

# Harmonized ELSA Documentation

**VERSION G.2 (2002-2019), JULY 2021**

Jenny Wilkens, Giacomo Rebellato, Youngha Oh & Jinkook Lee

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## Preface

The English Longitudinal Study on Ageing (ELSA) is a longitudinal household survey dataset for the study of health, economic position, and quality of life among the elderly. It was modeled after the Health and Retirement Study (HRS), a similar longitudinal survey dataset in the United States. Part of the reason for the close connection is to allow cross-country comparisons using these data.

In order to make the data more accessible to researchers and to facilitate such comparisons, we, the USC Gateway to Global Aging team, created the Harmonized ELSA, a user-friendly version of a subset of the ELSA Interviews. The Harmonized ELSA initiative is part of a larger set of projects. With funding and support from the National Institute on Aging, we have also created the Harmonized HRS (United States), Harmonized MHAS (Mexico), Harmonized SHARE (Europe + Israel), Harmonized CRELES (Costa Rica), Harmonized KLoSA (South Korea), Harmonized JSTAR (Japan), Harmonized TILDA (Ireland), Harmonized CHARLS (China), Harmonized MARS (Malaysia), and Harmonized LASI (India) data. Further information about these Harmonized data files with questionnaires and other metadata is available on our searchable website, <https://g2aging.org/>.

In creating the Harmonized data files, we have followed the RAND HRS and Harmonized HRS conventions of variable naming and data structure. The RAND HRS is a user-friendly version of a subset of the HRS that the RAND Center for the Study of Aging created to increase usability. The Harmonized HRS is a supplementary dataset to the RAND HRS, which also includes a subset of the HRS data that the Gateway to Global Aging team has created to increase usability of a greater number of HRS variables. The Harmonized ELSA includes variables with a similar naming convention that mimics the RAND HRS, Harmonized HRS, and other Harmonized variables. This document describes these data.

Note, however, that ELSA license agreements do not allow us to disseminate the data directly. Instead, ELSA distributes the Harmonized ELSA dataset as part of its data files, which it makes available on the UK Data Service (UKDS), funded by the Economic and Social Research Council (ESRC), at <https://beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=5050>. We also make available a Stata script ("do file") that generates these derived variables from the original ELSA data files that the user must obtain from the UK Data Service. Additional information about ELSA can be obtained from ELSA's website at <https://www.elsa-project.ac.uk>.

We are grateful for the continuing support of and funding from NIA. In interpreting the ELSA data, we greatly benefited from the help and insights of ELSA staff members, particularly Andrew Steptoe, James Banks, James Nazroo, Paola Zaninotto, Zoe Oldfield, Natasha Wood, and Margaret Blake. We have greatly benefited from the discussions with and the suggestions from our colleagues Alexandra Crosswell, Erik Meijer, Marco Angrisani, and Arie Kapteyn. We would also like to acknowledge our current and former colleagues at the Gateway to Global

Aging Data: Sidney Beaumaster, Sandy Chien, Ashley Lin, Sarah Petrosyan, Drystan Phillips, Marieta Valev, and Victoria Yonter.

## **Requested Acknowledgment**

We ask all users of the Harmonized ELSA to please inform our team of any written analysis using data from the Harmonized ELSA or information from the Harmonized ELSA Codebook by sending an email to [papers@g2aging.org](mailto:papers@g2aging.org). We also ask users to include the following acknowledgement in their written work: "This analysis uses data or information from the Harmonized ELSA dataset and Codebook, Version G.2 as of July 2021 developed by the Gateway to Global Aging Data. The development of the Harmonized ELSA was funded by the National Institute on Aging (R01 AG030153, RC2 AG036619, R03 AG043052). For more information, please refer to <https://g2aging.org/>."

## **ELSA Version and Acknowledgment**

This document uses data from the 35th edition of the ELSA, released July 2021. ELSA is the result of collaboration between University College London (UCL), the Institute for Fiscal Studies (IFS), and NatCen Social Research. Other academic collaborators based at the Universities of Cambridge, Exeter and East Anglia provided expert advice on specific modules. Funding for the first eight waves of ELSA has been provided by the US National Institute on Aging, and a consortium of British Government departments, which are listed below:

- Department of Health;
- Department for Transport;
- Department for Work and Pensions;
- Department for Communities and Local Government (formerly Office of the Deputy Prime Minister);
- HM Treasury;
- Department of Environment, Food and Rural Affairs;
- HM Revenue and Customs (formerly Inland Revenue and HM Customs and Excise);
- Office for National Statistics.

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# What's New in Version G.2 of the Harmonized ELSA?

Version G.2 incorporates the latest released version of ELSA data, which includes eleven main modules and the associated datasets, and adds variables and observations from Wave 9. It contains 19,802 observations. It also adds new variables and makes adjustments and corrections.

We have added the following variables to the file:

## **Demographics and Identifiers:**

- We added **R8NPWTRESP**, which is the population-based weight for the nurse sample in Waves 8 and 9.

## **Family:**

- We added **RwRFCNTF**, **RwRFCNTPM**, and **RwRFCNT** for all available waves, indicating the respondent's frequency of contact with relatives or friends, for comparability to other Harmonized datasets.

## **Retirement and Expectations:**

- We added **RwRPLNYA** for Wave 9, indicating the respondent's planned year of retirement.

## **Assistance and Caregiving:**

- We added **RwRCCAREN\_E**, **RwRRCAREN\_E**, **RwRFCAREN\_E**, **RwRPFCAREN\_E**, and **RwRUFAREN\_E** for Waves 6 and onward. These variables count the number of people with the appropriate relationship (children, relatives, non-relatives, paid professionals, and unpaid professionals, respectively) who help the respondent with ADLs, IADLs, or mobility activities.

We have made the following adjustments, improvements, and corrections to the data and documentation:

## **Demographics and Identifiers:**

- We made adjustments to **INW8N**, **R8NWTRESP**, **R8IWNRSM**, and **R8IWNRSY** to include the nurse sample from Wave 9 since ELSA intends for the nurse samples in Waves 8 and 9 to be analyzed together.
- We removed **HHwiWHH** and **RwiWIND** from the dataset, indicating the respondent's Stata interview dates.
- We adjusted **RwMCURLN** in all waves to include a special missing .u for unmarried individuals instead of being assigned a special missing .m.
- We adjusted **RwMLEN** in all waves to properly account for the length of marriages ending in divorce and widowhood and to include a special missing value for respondents who have never been married.
- In the 35<sup>th</sup> edition of the ELSA data, death year information was removed from the index file. As such, **RADYEAR** is now created using only death year information from the end of life interviews, rather than the index file, resulting in a smaller number of observations for this variable.

**Cognition:**

- We adjusted **RwTR20** and **RwORIENT** in all waves to only be calculated if no component variables are missing, whereas previously these summaries were calculated as long as at least one component variable was not missing.

**Financial and Housing Wealth:**

- We updated the values for **CyyyyCPINDEX** based on updated values from the OECD. We continue to use 2010 as the base year.

**Employment History:**

- We renamed **RwJPHYSA** to **RwJPHYSL**, which indicates the activity level of the respondent's current job, to avoid confusion with non-comparable **RwJPHYSA** variables in other Harmonized datasets.

**Physical Measures:**

- All of the Wave 8 variables have been adjusted to also include the Wave 9 nurse sample.

**Stress:**

- We reversed the scales for **RAMOMECOLD**, **RADADECOLD**, **RAMOMNOTWA**, and **RADADNOTWA** so that higher values indicate more parental warmth. This change in turn impacts the values for **RAPWARM\_E**, **RAMWARM\_E**, and **RADWARM\_E**.
- We reversed the scale for **RwINTUNE** so that a higher score indicates that the respondent feels more lonely. This does not impact the coding of the loneliness summary measures.
- We adjusted the coding for **R5DCREAS\_E** so that respondents with all missing components are assigned a special missing .m instead of a value of 0.



# 1. Introduction and Overview

This report documents the Harmonized ELSA data files, a streamlined collection of variables derived from the English Longitudinal Survey of Ageing (ELSA). ELSA is a panel survey of people aged 50 and over and their partners, living in private households in England. Its main goal is to provide an interdisciplinary data resource on health, economic position and quality of life as people age. The survey elicits information about demographics, income, assets, health, cognition, family structure and connections, health care use and costs, housing, job status and history, expectations, and insurance.

ELSA is supported by collaboration between the National Centre for Social Research, Institute for Fiscal Studies, University College of London, Department of Epidemiology and Public Health, and The University of Manchester School of Social Sciences. The samples have been drawn from households which previously responded to the Health Survey for England (HSE). The first wave of ELSA was conducted between March 2002 and March 2003. This initial sample included 11,050 respondents aged 50 and over on March 1, 2002. The second wave was conducted between June 2004 and July 2005. The third wave was conducted between May 2006 and August 2007 and included a refreshment sample selected from HSE 2001-04. The refreshment sample consisted of individuals aged between 50 and 52 and their partners. The fourth wave was conducted between May 2008 and July 2009 and included a refreshment sample selected from HSE 2006. The refreshment sample consisted of individuals aged between 50 to 74 and their partners. The fifth wave was conducted between June 2010 and July 2011. The sixth wave was conducted between May 2012 and June 2013 and included a refreshment sample selected from HSE 2009-2011. The refreshment sample consisted of individuals aged between 50 and 55 and their partners. The seventh wave was conducted between June 2014 and May 2015 and included a refreshment sample selected from HSE 2011-2012. The refreshment sample consisted of individuals aged between 50 and 51 and their partners. The eighth wave was conducted between May 2016 and June 2017. The ninth wave was conducted between June 2018 and July 2019 and included a refreshment sample selected from HSE 2013-15. The refreshment sample consisted of individuals aged between 50 and 53 and their partners.

The data include any individual interviewed at least once. This includes individuals who were age-eligible (born in eligible years) at the time of their first interview, spouses who were not age-eligible at baseline, and spouses who married an age-eligible respondent between survey waves.

The ELSA data contain several auxiliary files. The Harmonized ELSA data file incorporates the core interview data, financial derived variables data, derived variables data, nurse data, life history data, pension grid, and the index file. It does not include any data which is not public release.

Documentation of the ELSA methodology can be found in the *User Guide to the Main Interview Datasets: Waves 1 to 9* (2020).

## 1.1. Gateway to Global Aging Data

The Health and Retirement Study (HRS) has achieved remarkable scientific success, as demonstrated by an impressive number of users, research studies, and publications using it. Its success has generated substantial interest in collecting similar data as population aging has progressed in every region of the world.

The result has been a number of surveys designed to be comparable with the HRS: the Mexican Health & Aging Survey (MHAS), the English Longitudinal Study of Ageing (ELSA), the Survey of Health, Ageing and Retirement in Europe (SHARE), the Korean Longitudinal Study of Aging (KLoSA), the Japanese Study on Aging and Retirement (JSTAR), the Irish Longitudinal Study on Ageing (TILDA), the China Health and Retirement Longitudinal Study (CHARLS), Health and Aging in Africa: A Longitudinal Study of an INDEPTH Community in South Africa (HAALSI), the Brazilian Longitudinal Study of Ageing (ELSI), Healthy Ageing in Scotland (HAGIS), the Northern Ireland Cohort Longitudinal Study of Ageing (NICOLA), the Malaysia Ageing and Retirement Survey (MARS), and the Longitudinal Aging Study in India (LASI). The overview of this family of surveys, including their research designs, samples, and key domains can be found in Lee, Phillips, and Wilkens (2019).

As these surveys were designed with harmonization as a goal, they provide remarkable opportunities for cross-country studies. The value of comparative analyses, especially the opportunities they offer for learning lessons resulting from policies adopted elsewhere, is widely recognized. Yet there are only a limited number of empirical studies exploiting such opportunities. This is partly due to the difficulty associated with learning multiple surveys and the policies and institutions of each country.

Identifying comparable questions across surveys is the first step toward cross-country analyses. The Gateway to Global Aging Data (Gateway) helps users understand and use these large-scale population surveys on health and retirement. The Gateway includes several tools to facilitate cross-national health and retirement research. It includes a digital library of survey questions for all participating surveys. Its search engine enables users to find relevant survey questions. The Gateway also includes a concordance with information comparing measures within and across surveys over time. Using these tools, researchers can identify all questions related to particular key words or within a domain. The Gateway also includes population and sub-population estimates for key harmonized variables and presents them in graphs and tables that can be downloaded.

The Gateway can be accessed at <https://g2aging.org/>. For more information about using the Gateway visit the Help page. For more information about obtaining the Harmonized ELSA from UK Data Service or downloading the Stata file used to create the Harmonized ELSA using the Gateway see “Chapter 4. Distribution and Technical Notes.”

## 1.2. Unit of Observation

We distinguish between three units of observation: individual, couple, and household. A "couple" in this sense means "single individual, or individual with his/her spouse, whatever applicable". In ELSA, once it was determined that there was an age-eligible member of the household, all age-eligible household members and their spouses or partners were eligible for interviewing, regardless of their age. As a result, there are households in the data in which more than one "couple" is interviewed, for example, a husband and wife who were older than 50 and the mother of one of them.

In the HRS, an age-eligible individual is sampled and then this individual and his or her spouse or partner is interviewed, but no other household members, even if they are age-eligible. Thus, in the HRS, there is usually no distinction between a "couple" and a "household". More precisely, "household" variables in the HRS (and the RAND HRS) are actually "couple" variables. But, as mentioned above, in ELSA, a household may consist of more than one "couple".

ELSA provides a limited amount of information about household members who are not interviewed. The household respondent provides information on all household members including, age, sex, marital or partner status, and the relationships between all household members. Only individuals over 50 and their spouses or partners are selected for a subsequent interview. In our files, we do not include non-respondents, and thus in particular we do not include the information about household members who were not eligible to be interviewed.

## 1.3. Data File Structure

The Harmonized ELSA data are contained in a single file which includes the first nine waves of ELSA. The data are stored in a "fat format" where each observation represents one respondent. The unit of observation is the individual. Each individual is uniquely identified by the unique identifier *idauniq*. Households are identified by wave-specific *HHwHHID* where 'w' refers to the specific wave. Couples are identified by wave-specific *HwCOUPID* where "w" refers to the specific wave. It is important to note that, unlike the RAND HRS, households in the ELSA can include multiple couples. This file may be merged with other ELSA data using *idauniq*. The Harmonized ELSA data are distributed as part of the ELSA data.

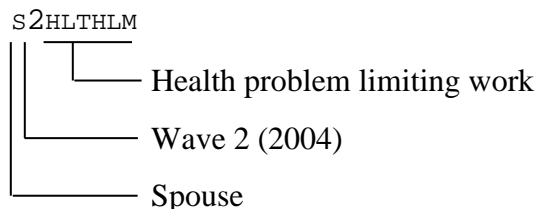
## 1.4. Variable Naming Convention

With few exceptions, variable names in the Harmonized ELSA Data follow a consistent pattern. The first character indicates whether the variable refers to the reference person ("R"), spouse ("S"), the full household ("HH"), and a financial unit household ("H").<sup>1 2</sup> The second character

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<sup>1</sup> The reference person need not be the person who responded to the question. It is the person whose information is central to the data file observation.

indicates the wave to which the variable pertains: “1”, “2”, “3”, “4”, “5”, “6”, “7”, “8”, “9”, or “A”. The “A” indicates “all,” i.e., the variable is not specific to any single wave. An example is RABDATE, the birth date of the respondent. The remaining characters describe the concept that the variable captures. For example:



Variable `S2HLTHLM` captures whether the spouse of the reference person experiences an impairment or health problem that limits the kind or amount of paid work he/she can do. The name of the variable does not indicate who provided the information. For example, the spouse’s health problem may have been reported by the spouse himself or herself, or it may have been reported by the reference person as a proxy. The ELSA obtains many variables, particularly on financial and family matters, reported by a proxy.

In the text below, we may refer to variables such as `SWHLTHLM` for example, without specifying the wave. This reference points at the group of variables `S1HLTHLM`, `S2HLTHLM`, `S3HLTHLM`, `S4HLTHLM`, `S5HLTHLM`, `S6HLTHLM`, `S7HLTHLM`, `S8HLTHLM`, `S9HLTHLM`.

Variable labels also follow a consistent pattern. The first characters denote the name of the variable, followed by a colon. Then the wave to which the variable pertains (w1, w2, w3, w4, w5, w6, w7, w8, OR w9) follows. The remainder of the label describes the concept that the variable captures. For example, the variable label of `S2HLTHLM` is:

`S2HLTHLM:W2 Hlth problems limit work`

It may seem duplicative to include the name of the variable and the wave in the variable label. However, statistical packages often suppress the variable name and instead use its label in the presentation of results.

Variable names in the Harmonized ELSA are generally based on the variable name used in the RAND HRS or Harmonized HRS for the same measure. Measures which are exactly or near-exactly comparable between the Harmonized ELSA and the RAND HRS or Harmonized HRS use the exact same name. For instance, RABYEAR is the variable name for the respondent birth year in both the Harmonized ELSA as well as the RAND HRS. If the Harmonized ELSA measure is deemed only somewhat comparable with the RAND HRS or Harmonized HRS version of that measure, the variable name in the Harmonized ELSA will often end in “\_E.” This variable name suffix indicates some ELSA-specific difference with the RAND HRS or Harmonized HRS version of

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<sup>2</sup> A financial unit household is comprised of either a single person or two-people determined by ELSA to be a couple. The financial unit household is imperative for comparisons to the RAND HRS definition of a household.

this measure. For instance, the Harmonized ELSA variable labor force status is named `RwLBRF_E` while the RAND HRS variable for labor force status is named `RwLBRF`. The reason for this difference in variable name is that the ELSA used a different set of labor force statuses than the HRS. Other reasons for Harmonized ELSA-specific variable names include: differences in survey questions, differences in survey routing, and whether both sets of variables use imputed values. Harmonized ELSA-specific variable names are used to notify the user that there are substantial differences between the RAND HRS or Harmonized HRS and Harmonized ELSA measure and clean harmonization between these measures is not possible.

The Harmonized ELSA includes some variables without Harmonized ELSA-specific variable names even though the Harmonized ELSA measure is significantly different from the RAND HRS or Harmonized HRS measure of the same name. In particular, wealth and income measures in the Harmonized ELSA do not use Harmonized ELSA-specific variable names even though wealth and income measures in the Harmonized ELSA are expressed in nominal pounds while income and wealth measures in the RAND HRS are always expressed in nominal dollars. Users should always check the “Differences with RAND HRS/Harmonized HRS” section of each measure before comparing any Harmonized ELSA measure to the RAND HRS or Harmonized HRS version of the same measures or any other Harmonized Dataset version of the same measure.

## 1.5. Missing Values and Nonresponse

Variables may contain missing values for several reasons. Stata, SAS, and SPSS offer the capability to distinguish multiple types of missing values, and we have attempted to record as much information as possible. Generally, the codes adhere to the classification in Table 1.

**Table 1. Missing Codes**

<b>Code</b>	<b>Reason for missing</b>
.	Reference person did not respond to this wave
.d	Don't know
.r	Refused
.u	Reference person is not married (for spouse variables)
.v	Spouse did not respond this wave (for spousal variables)
.m	Other missing
.p	Proxy

The coding scheme varies across variables. Consult the Data Codebook for details on individual variables.

Item nonresponse for many variables is handled by imputation. ELSA uses a conditional hot-deck imputation procedure, which is significantly different from the regression based imputation procedures used by the RAND HRS. Also different from the RAND HRS, ELSA does not impute values for respondents whose interview was conducted in an institution. A detailed

description of ELSA's imputation strategy is provided in *Financial Derived Variables and Imputation Procedures* (2021).

## 1.6. Weighting and Accounting for Survey Design

The Harmonized ELSA includes variables to allow users to produce weighted estimates with survey design-adjusted standard errors where provided by ELSA. ELSA data can be analyzed cross-sectionally or longitudinally. Cross-sectional analysis uses one wave of data. Longitudinal analysis involves using multiple waves of data to analyze the change between those waves. If possible, ELSA recommends conducting analysis on weighted data to help minimize the bias from differential non-response among key sub-groups. Because ELSA is a longitudinal study and non-response to one wave increases the likelihood of non-response to the next wave, it is especially important to account for differential non-response when conducting analysis using later waves of ELSA.

All weights provided by ELSA are only calculated for core members living in private households who responded to the survey, including partial response and response by proxy. All other respondents have zero weights, including core members living in institutions and partners of core members. When performing weighted analysis, core members in institutions and non-core members should be excluded. Unlike the HRS, ELSA does not provide separate weights for households. Instead, ELSA suggests that the person-level analysis weights should also be used to weight households.

ELSA produces two types of respondent-level weights for the core survey: cross-sectional weights and longitudinal weights. ELSA's Wave 1 cross-sectional weight was calculated as the inverse of the predicted probability of response at two-stages: consent of age-eligible individuals to be re-interviewed post-HSE and agreement to be interviewed for ELSA Wave 1. The weight was then calibrated to match the weighted responding sample to the population of interest, accounting for non-response to the HSE. The Wave 2 cross-sectional weight was calculated as the inverse predicted probability of response to the Wave 2 survey among Wave 1 respondents who were eligible for Wave 2. The Wave 3 cross-sectional weight was calculated separately for two different groups, the original sample chosen from HSE 1998-2001 and the refreshment sample chosen from HSE 2001-2004. The two calculations were similar, the inverse of the predicted probability of response at two-stages: consent of age-eligible individuals to be re-interviewed post-HSE and agreement to be interviewed for ELSA Wave 3. The resulting values were then calibrated so that both weighted responding samples match to the population of interest, taken from the 2006 household population estimates by ONS. All cross-sectional weights following the Wave 3 cross-sectional weight are produced in the same manner as the Wave 3 cross-sectional weight, splitting up the sample into groups based on the HSE survey the respondent was originally sampled from, calculating the inverse of the predicted probability of response for each group at the two-stages, and calibrating the combined weight to match the population of interest.

Starting in Wave 2, ELSA produces respondent-level longitudinal weights for the core survey. ELSA's Wave 2 longitudinal weight was calculated as the inverse predicted probability of response to the Wave 2 survey among Wave 1 respondents who were eligible for Wave 2. This weight was then multiplied by the Wave 1 weight giving only respondents who participated in both Wave 1 and Wave 2 a longitudinal weight. ELSA's Wave 3 longitudinal weight was calculated as the inverse predicted probability of response to the Wave 3 survey among respondents who responded to both Wave 1 and Wave 2 and who were eligible for Wave 3. The longitudinal weight was then multiplied by the Wave 2 weight, giving only respondents who participated in all waves a longitudinal weight value. All longitudinal weights following the Wave 3 longitudinal weight are designed in a similar manner to the Wave 3 longitudinal weight, calculating the inverse predicted probability of response among respondents who responded to all previous waves and multiplying that weight by the previous wave's longitudinal weight.

Starting in Wave 8, ELSA produces respondent-level longitudinal weights for the core survey members using Wave 4 as the baseline. ELSA's Wave 8 longitudinal weight in reference to Wave 4 was calculated as the inverse predicted probability of response to the Wave 8 survey among respondents who responded to Wave 4, Wave 5, Wave 6, and Wave 7 and who were eligible for Wave 8. This weight was then multiplied by the Wave 7 weight, giving only respondents who participated in all waves since Wave 4 a longitudinal weight value in reference to Wave 4. All longitudinal weights in reference to Wave 4 following the Wave 8 longitudinal weight in reference to Wave 4 are designed in a similar manner to the Wave 8 longitudinal weight.

ELSA also produces respondent-level cross-sectional weights for the self-completion survey, nurse interview, and life history interview. The self-completion survey was completed by between 80% - 90% of the core sample. Non-response to the self-completion was not random among core sample respondents, so ELSA provided self-completion weights for users implementing measures of wellbeing, quality of life, and social circumstances included in the self-completion survey. The cross-sectional self-completion, nurse interview, and life history weights are calculated in a similar method to the core survey cross-sectional weights. For the nurse samples in Waves 8 and 9, ELSA provided two separate weights, one weighting the nurse sample to the survey population and the other weighting the nurse sample to the general population in England.

In addition to weights, ELSA also provides stratification and cluster variables to account for ELSA's complex survey design. Stratification and cluster variables are available for each wave of ELSA, and should not be combined across waves because different scales are used in different waves. See the [ELSA Wave 1 Technical Report](#) (2007) for a comparison between true standard errors and uncorrected standard errors.

Stata includes the facility to account for survey design using svy commands. The data can be prepared for analysis using the svyset command. For instance, if we were interested in conducting a cross-sectional analysis on Wave 1 core survey data we could use the following svyset command:

```
svyset rlclust [pweight=rlcwtresp], strata(rlstrat)
```

Using this weighted and survey design-adjusted data, we could use one of Stata's many svy estimation commands to produce weighted estimates with corrected standard errors. For instance, if we wanted to estimate the frequency of smoking we could use the following svy command:

```
svy, subpop(rlcohort_e==1): proportion r1smoken
```

making sure to exclude any non-core sample members from our estimation using the svy subpop option.

## 1.7. Availability of Stress Measures

In 2015, Drs. Elissa Epel and Wendy Mendes partnered with the Gateway to Global Aging Data team to form the Stress Measurement Network, funded by the National Institute on Aging (NIA/NIH R24 AG048024). The goal of the Stress Network is to promote better theory and measurement of psychosocial stress in population-based studies. One of the specific aims is to facilitate the use of stress measures in population based studies, which was led by Drs. Tara Gruenewald, Alexandra Crosswell, and Jinkook Lee. It is hoped that identification of such measures will facilitate examination of the association of stressor conditions with cognitive-affective and physiological distress experience and poor psychological and physical health states hypothesized to follow from stressor exposure.

As a result of the work of the NIA Stress Measurement Network, the Harmonized ELSA provides harmonized stress measures beginning in 2002, ELSA wave 1, and through 2018, ELSA Wave 9. The majority of stress measures are available between ELSA waves 2 and 9, although several are asked in one or a limited number of waves. The vast majority of the stress measures are collected in the self-completion questionnaire, which began in 2002, ELSA wave 1. Those who did not return the self-completion questionnaire are assigned a special missing .c for the applicable variables. A small number of measures are collected in the core interview or in the 2006 life history interview, which contain questions about residential history, education history, and other important childhood and family events.

ELSA queried the lifetime occurrence of negative life events and traumas through event checklists, which included a subset of items that assessed experiences in childhood/adolescence (i.e., before the age of 16) and information on discrete events that can be categorized as major life stressors or traumatic events (e.g., death of a family member, loss of a job). ELSA included an assessment of the experience of burdens or strains with finances and housing. ELSA included 12 measures of job strain/stress derived from the Karasek demand-control measure of job strain. ELSA included measures of the frequency of discrimination experience in everyday life. Respondents were also asked to indicate the identities (e.g., age,



sex, race/ethnicity, religion, sexual orientation) upon which they believe everyday discriminations were based. ELSA included 7 measures of social strain and relationship support quality. Common indicators of social strain include assessments of social relationship targets as critical, irritating, and unreliable. ELSA included up to 5 measures of loneliness. ELSA included 9 measures of environmental/neighborhood disorder, chaos, danger, and/or lack of cohesion.

For more specific information about all stress measures included in the ELSA, as well as comparable stress measures in HRS sister studies, please refer to the Measures of Stress in the Health and Retirement Study (HRS) and the HRS Family of Studies (2020) user guide available from <https://g2aging.org/index.php?section=documentation>.

## 2. Wealth and Income Variables

### 2.1. Units of Observation and Financial Respondent

It is important to distinguish the unit of observation for ELSA wealth and income measures because financial questions can be asked about the individual, the individual and a spouse, and all household respondents and their spouses. In ELSA, all age-eligible household members and their spouses or partners were eligible for interviewing. ELSA does not impute values for non-responding spouses, so couple-level financial variables where one spouse is missing are left missing.

For married or cohabiting couples, ELSA asks income and asset questions at the individual level or at the couple level, depending on whether the spouses kept their finances separate or together. If finances were kept together, one spouse was designated as the financial respondent, who answered the income and asset questions for the couple. If spouses kept finances separate, each individual in the couple answered the income and asset questions for themselves. Pension questions are always asked at the individual level.

Some asset variables, namely value of the house, mortgages or loans on the house, and other real estate, are asked of the housing respondent on behalf of the whole household. Note that it is a requirement that this individual is a respondent and thus must be otherwise eligible for interview, that is, be 50 years or older or the spouse or partner of someone 50 or older. Even though ELSA asks these questions at the full-household level, some of these measures are transformed to couple-level in the ELSA financial derived variable files by attributing the wealth only to the individuals who are named on the property (and their spouses) and where owners are in different couple units, dividing housing wealth accordingly.

For harmonization purposes, we need to use the same unit of observation in the different harmonized data sets, and because the HRS does not have information on wealth and income of household members outside the couple and does not have individual-level asset information, the unit of observation is the individual for certain income variables (earnings, pensions, and benefits) and the couple-level for other income variables (e.g. asset income) and wealth variables. Thus, in constructing our couple-level variables, we ignore income and wealth from household members outside the couple. These couple-level variables can be compared to the RAND HRS income and wealth household measures.

ELSA's financial derived variables files provide asset and income variables at both the individual and the household level. Given our emphasis on harmonization, we combine the individual-level asset and income variables into couple-level variables for those variables for which the RAND HRS provides couple-level variables. ELSA does not impute values for non-responding spouses in all situations, so couple-level financial variables based on the combination of individual-level variables when spouse information is missing are left missing. More information

on ELSA Financial Variables and their imputations can be found in the *Financial Derived Variables User Guide* (2021).

## 2.2. Currency

All ELSA financial variables are expressed in current pounds.

ELSA asset questions are asked about current asset values.

ELSA income questions use a variety of different timings. Some income questions ask for income in the last month, some ask for income in the last year, and others ask for income over both last month and last year. There are also income questions which ask the average weekly or monthly value in the last 12 months. Additionally, other income variables ask the time period covered by a usual payment and then ask the usual value for a payment. Additionally still, other income variables ask the time period covered by a last payment and then ask the usual value for that last payment. Even though ELSA uses a variety of timings when asking income questions, all of these income measures are expressed as weekly equivalents in the ELSA financial derived variable files. For Harmonization purposes, all financial variables in the Harmonized ELSA are expressed in yearly equivalents. These income variables expressed in yearly equivalents can be compared to the RAND HRS income measures.

## 2.3. Differences between the Harmonized ELSA and RAND HRS or Harmonized HRS

Harmonized ELSA is intended to be as comparable to the RAND HRS and Harmonized HRS as possible. See Bugliari et al. (2021) for the documentation of the RAND HRS and Beaumaster et al. (2018) for the documentation of the Harmonized HRS. However, there inevitably remain some differences between the two data sets. In the codebook, notable differences in definition, construction, or question text between the variables in Harmonized ELSA and the corresponding variables in the RAND HRS or Harmonized HRS are indicated on a per variable basis. For a full list of those RAND HRS measures which are not available in the Harmonized ELSA see <https://g2aging.org/>.

Furthermore, the imputation flags in the Harmonized ELSA are slightly different from the imputation flags in the RAND HRS. This is because the imputation flags in the RAND HRS categorize values which are imputed using information obtained from an unfolding bracket sequence as either complete or incomplete brackets, referring to whether the respondent completed the entire bracket sequence. In the Harmonized ELSA, values which are imputed using information obtained from an unfolding bracket sequence are either categorized as closed range or open range, referring to whether the bracket sequence (regardless of whether it was completed) yielded an open range of the form more than x amount or a closed range of the form between x amount and y amount. Both categorizations attempt to provide information about how much information was available for the imputation, but the two

categorizations are not directly comparable. Harmonized ELSA imputation flags also include 2 codes not found in the RAND HRS imputation flags. These two additional codes identify cases where an imputation was not derived, either because the interview was conducted in a nursing home or because of a non-responding spouse.



## 6 → Categorical Variable Code

Value-----	R1SHLT	R2SHLT	R4SHLT	R5SHLT
.d:DK	14	5	4	8
.m:Missing		9		
.p:proxy	175	123	446	537
.r:Refuse	5	1	6	4
1.Excellent	1576	1179	1353	1180
2.Very good	3467	2598	3091	2902
3.Good	3709	2934	3375	3094
4.Fair	2264	1877	1994	1792
5.Poor	889	706	781	757
Value-----	R6SHLT	R7SHLT	R8SHLT	R9SHLT
.d:DK	4	3	1	2
.p:proxy	614	597	463	545
.r:Refuse	4			1
1.Excellent	1212	1076	931	1033
2.Very good	2892	2640	2291	2371
3.Good	3156	2989	2617	2705
4.Fair	1919	1682	1492	1458
5.Poor	800	679	650	621
Value-----	S1SHLT	S2SHLT	S4SHLT	S5SHLT
.d:DK	10	4	2	6
.m:Missing		7		
.p:proxy	122	93	333	418
.r:Refuse	4	1	5	1
.u:Unmar	3561	2671	2932	2742
.v:SP NR	468	583	716	568
1.Excellent	1135	838	984	872
2.Very good	2404	1788	2198	2092
3.Good	2495	1926	2282	2105
4.Fair	1361	1116	1172	1069
5.Poor	539	405	426	401
Value-----	S6SHLT	S7SHLT	S8SHLT	S9SHLT
.d:DK	3	3	1	1
.p:proxy	494	484	375	459
.r:Refuse	3			
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.Excellent	914	817	695	756
2.Very good	2081	1917	1623	1671
3.Good	2160	1992	1755	1758
4.Fair	1152	981	888	856
5.Poor	435	366	351	319

## 7 → How Constructed

RwSHLT is the respondent's self-reported general health status using a scale ranging from Excellent to Poor. Codes range from 1 to 5. This scale of self-reported general health status is used in every wave except the 3rd wave of the ELSA and is recorded in the RpSHLTA variable. Don't know, refused, or other missing responses to RwSHLT are assigned special missing values .d, .r, .m respectively. RwSHLT is set to special missing .p if the health status question was skipped because the interview was by proxy. RwSHLT is set to plain missing (.) for respondents who did not respond to the current wave.

SwSHLT is the respondent's spouse's self-reported general health status taken directly from spouses' values of RwSHLT. In addition to the special missing codes used in RwSHLT, SwSHLT employs two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## 8 → Cross-Wave Differences in ELSA

The first scale of self-reported general health status is used in every wave except the 3rd wave of the ELSA. The second (alternative) scale of self-reported general health status is used in the 1st wave and 3rd wave of the ELSA.

### 9 → Differences with the RAND HRS

Unlike the HRS, the ELSA varied when the respondent was asked R<sub>w</sub>SHLT inside the health module during Wave 1.

### 10 → ELSA Variables Used

```
Wave 1 Core:
  HEHELP      Would you say your health is ... ? {start of section}
  HEHELFB     How is your health in general? Would you say it was ...? {end of section}
Wave 2 Core:
  HEHELP      self-reported general health
Wave 4 Core:
  HEHELP      self-reported general health
Wave 5 Core:
  HEHELP      self-reported general health
Wave 6 Core:
  HEHELP      self-reported general health
Wave 7 Core:
  HEHELP      self-reported general health
Wave 8 Core:
  HEHELP      self-reported general health
Wave 9 Core:
  HEHELP      self-reported general health
```

- 
- 1 **Title:** The variables are documented in groups according to the concept that they measure. For example, there are sixteen variables related to self-reported health, corresponding to eight waves and the respondent/spouse. The title is often followed by a short description of the concept that is captured.
  - 2 **Variable Names:** This entry shows the waves of variables in the group. Not all waves are present for all variables. For example, R<sub>1</sub>SHLT is available for the first wave but R<sub>3</sub>SHLT wasn't created for the third wave because the US version of self-reported health wasn't asked in ELSA Wave 3.
  - 3 **Variable Labels:** This entry shows the Stata variable labels. As discussed above, the labels typically include the name of the variable, the file on which it is present, and a description of its contents.
  - 4 **Variable Type:** This entry indicates the type of variable. It may be continuous (Cont), categorical (Categ), or character (Char).
  - 5 **Descriptive Statistics:** This entry shows descriptive statistics on each variable. They include the number of nonmissing values, the mean, standard deviation, minimum value, and maximum value.
  - 6 **Categorical Value Codes:** This entry shows the value label codes. These are only relevant for categorical variables. The first character(s) of the value labels indicate the value to which each label has been assigned. For example, value "1" is mapped into "1. Excellent" (not just "Excellent"). The entry also indicates

which labels are assigned to which variables, and shows frequency tabulations for all categorical variables.

- 7 *How Constructed*: This entry provides background on the manner in which variables were constructed.
- 8 *Cross-Wave Differences in ELSA*: This entry briefly describes differences in question wording or contents between interview waves.
- 9 *Differences with the RAND HRS/Harmonized HRS*: This entry describes any differences between the RAND HRS or Harmonized HRS version of the variable and the Harmonized ELSA version of the variable. It is imperative these differences are understood when using harmonized measures.
- 10 *ELSA Variables Used*: This entry provides the names and labels of raw ELSA variables that were used to construct the new variables.



## 4. Distribution and Technical Notes

The Harmonized ELSA Data file is distributed by the UK Data Service (UKDS) along with the original ELSA data. The Harmonized ELSA Data file is made available free of charge but only to users who register with UKDS and agree to the standard conditions. For more information on obtaining access to the ELSA data visit:

<https://beta.ukdataservice.ac.uk/datacatalogue/series/series?id-200011>.

The Harmonized ELSA Data file is distributed in Stata, SAS, SPSS, and tab delimited dataset formats.

The Harmonized ELSA Data file can also be created using the Gateway to Global Aging Data (<https://g2aging.org/>) and saved in a Stata format. To create and use the file, one must have at least Stata/IC, version 12 or higher. To create the Harmonized ELSA, visit the Download tab of the Gateway to Global Aging Data. Under the ELSA column, click the link for the Harmonized ELSA Stata Code. From this page, you can download the Harmonized ELSA Stata Creation Code and find further instructions on running the Creation Code in Stata. Once created, the Harmonized ELSA data file can be accessed anytime by the user with or without using the Gateway website.

This is version **G.2** of the Harmonized ELSA Data.

A copy of this Harmonized ELSA Codebook can be obtained on the Gateway to Global Aging Data (<https://g2aging.org/>) under the Download tab.

## 5. Data Codebook

## **Section A: Demographics, Identifiers, and Weights**

<b>Person Specific Identifier</b>
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Wave	Variable	Label	Type
1	IDAUNIQ	Unique individual serial number	Cont
1	IDAUNIQC	unique individual serial number /6-char	Char
1	PN	person number within household	Cont
1	PNC	person number within household (char)	Char

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
IDAUNIQ	19802	179856.29	195958.86	100001.00	909775.00
PN	19802	1.44	0.60	1.00	10.00

### How Constructed

ELSA identifies individual respondents with a unique id. IDAUNIQ is the numeric version of the respondent identifier used by ELSA. IDAUNIQ identifies respondents throughout all waves. IDAUNIQC is the 6-character version of the respondent identifier used by ELSA, with leading zeros. For example if the unique identifier in ELSA is 012345 then IDAUNIQ is 12345 and IDAUNIQC is "012345".

IDAUNIQ and IDAUNIQC should be used for merging since they are the only identifiers that track respondents between waves.

PN is the 2-digit person number obtained from the household grid. A person number was assigned to each person in the household at the time of the HSE interview. The numbering was continued for new household members. Like the RAND HRS, ELSA retains person number over different waves. PNC is the 2-character version of the person number, with leading zeros. For example if the person number in ELSA is 2 then PN is 2 and PNC is "02".

### Cross Wave Differences in ELSA

Because Waves 6, 7, 8 and 9 are not currently included in the ELSA index file, both the unique individual serial number and the person number within the household for respondents who joined the sample in Waves 6, 7, 8 and 9 are not derived from the index file but from the wave specific core data.

### Differences with the RAND HRS/Harmonized HRS

Unlike the RAND HRS, household identifiers change between waves so PN cannot be combined with a household identifier to form a unique identifier between waves.

The RAND HRS uses HHIDPN and RAHHIDPN to uniquely identify individuals.

### ELSA Variables Used

Index File:	
IDAUNIQ	unique individual serial number
PERSNO	person number within household
Wave 6 Core:	
IDAUNIQ	unique individual serial number
PERID	household number (persno)
Wave 7 Core:	
IDAUNIQ	unique individual serial number
PERID	person number (persno)

Wave 8 Core:  
  IDAUNIQ       unique cross-wave individual serial number  
  PERID         person number in household

Wave 9 Core:  
  IDAUNIQ       Unique cross-wave individual serial number  
  PERID         Person number in household

<b>Household Identifier</b>
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Wave	Variable	Label	Type
1	HH1HHID	wave 1 specific household serial number /num	Cont
2	HH2HHID	wave 2 specific household serial number /num	Cont
3	HH3HHID	wave 3 specific household serial number /num	Cont
4	HH4HHID	wave 4 specific household serial number /num	Cont
5	HH5HHID	wave 5 specific household serial number /num	Cont
6	HH6HHID	wave 6 specific household serial number /num	Cont
7	HH7HHID	wave 7 specific household serial number /num	Cont
8	HH8HHID	wave 8 specific household serial number /num	Cont
9	HH9HHID	wave 9 specific household serial number /num	Cont
1	HH1HHIDC	wave 1 specific household serial number /5-char	Char
2	HH2HHIDC	wave 2 specific household serial number /5-char	Char
3	HH3HHIDC	wave 3 specific household serial number /5-char	Char
4	HH4HHIDC	wave 4 specific household serial number /5-char	Char
5	HH5HHIDC	wave 5 specific household serial number /5-char	Char
6	HH6HHIDC	wave 6 specific household serial number /5-char	Char
7	HH7HHIDC	wave 7 specific household serial number /5-char	Char
8	HH8HHIDC	wave 8 specific household serial number /5-char	Char
9	HH9HHIDC	wave 9 specific household serial number /6-char	Char

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
HH1HHID	12354	13962.23	2290.37	10001.00	17935.00
HH2HHID	9749	13135.30	1805.87	10001.00	16277.00
HH3HHID	10333	13263.41	1890.10	10001.00	20021.00
HH4HHID	11482	13659.26	2106.50	10001.00	17286.00
HH5HHID	10849	13362.40	1946.54	10000.00	16731.00
HH6HHID	10601	13458.44	2002.32	10001.00	16931.00
HH7HHID	9666	13169.36	1829.05	10001.00	16342.00
HH8HHID	8445	12783.10	1609.00	10001.00	15575.00
HH9HHID	8736	107471.51	4355.48	100002.00	115070.00

### How Constructed

HHwHHID is the numeric version of the household identifier used by ELSA. HHwHHID uniquely identifies a household in a given wave. HHwHHIDC is the character version of the household identifier used by ELSA. In Waves 1-8, HHwHHIDC is 5 characters with leading zeros. For example, if the household identifier is 01234 then HHwHHID is 1234 and HHwHHIDC is "01234". In Wave 9, HHwHHIDC is 6 characters.

HHwHHID and HHwHHIDC do not uniquely identify households across waves as the household id changes in every wave of ELSA. Therefore, neither of these variables should be used for merging.

### Cross Wave Differences in ELSA

Because Waves 6, 7, 8 and 9 are not currently included in the ELSA index file, these four waves' household identifiers are not derived from the index file but from the wave specific core data.

### Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA was conducted on any eligible individual present at the household during the time of the interview. In this regard, there are households which contain a couple and other uncoupled individuals or households with two or more uncoupled individuals. The use of a couple ID is imperative for identifying sub-households and for comparison to the RAND HRS concept of household.

**ELSA Variables Used**

Index File:  
IDAHHW1      analytical wave 1 household serial number  
IDAHHW2      analytical wave 2 household serial number  
IDAHHW3      analytical wave 3 household serial number  
IDAHHW4      analytical wave 4 household serial number  
IDAHHW5      analytical wave 5 household serial number  
Wave 6 Core:  
IDAHHW6      analytical wave 6 household serial number  
Wave 7 Core:  
IDAHHW7      analytical wave 7 household serial number  
Wave 8 Core:  
IDAHHW8      analytical wave 8 household serial number  
Wave 9 Core:  
IDAHHW9      Analytical Wave 9 household serial number

**Couple Identifier**

Wave	Variable	Label	Type
1	H1COUPID	wave 1 specific couple id number /num	Cont
2	H2COUPID	wave 2 specific couple id number /num	Cont
3	H3COUPID	wave 3 specific couple id number /num	Cont
4	H4COUPID	wave 4 specific couple id number /num	Cont
5	H5COUPID	wave 5 specific couple id number /num	Cont
6	H6COUPID	wave 6 specific couple id number /num	Cont
7	H7COUPID	wave 7 specific couple id number /num	Cont
8	H8COUPID	wave 8 specific couple id number /num	Cont
9	H9COUPID	wave 9 specific couple id number /num	Cont
1	H1COUPIDC	wave 1 specific couple id number /5-char	Char
2	H2COUPIDC	wave 2 specific couple id number /5-char	Char
3	H3COUPIDC	wave 3 specific couple id number /5-char	Char
4	H4COUPIDC	wave 4 specific couple id number /5-char	Char
5	H5COUPIDC	wave 5 specific couple id number /5-char	Char
6	H6COUPIDC	wave 6 specific couple id number /5-char	Char
7	H7COUPIDC	wave 7 specific couple id number /5-char	Char
8	H8COUPIDC	wave 8 specific couple id number /5-char	Char
9	H9COUPIDC	wave 9 specific couple id number /5-char	Char

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
H1COUPID	12099	6038.73	3490.20	1.00	12046.00
H2COUPID	9432	4308.42	2481.78	1.00	8624.00
H3COUPID	9766	5617.44	3267.80	1.00	11339.00
H4COUPID	11050	6306.37	3643.20	1.00	12587.00
H5COUPID	10274	6011.08	3486.78	1.00	12127.00
H6COUPID	10601	6438.24	3770.62	1.00	12949.00
H7COUPID	9666	6162.21	3605.81	1.00	12446.00
H8COUPID	8445	5601.92	3242.96	1.00	11281.00
H9COUPID	8736	5291.35	3069.93	1.00	10541.00

**How Constructed**

HwCOUPID is the numeric version of the couple identifier derived by ELSA. HwCOUPID uniquely identifies a couple in a given wave. HwCOUPIDC is the character version of the couple identifier derived by ELSA, with leading zeros. For example, if the couple identifier is 01234, then HwCOUPID is 1234 and HwCOUPIDC is "01234".

Every respondent to a given wave was assigned a couple ID in ELSA unless the interview was conducted in an institution. Similarly, HwCOUPID and HwCOUPIDC are set to plain missing (.) if the respondent did not respond to the particular wave or the respondent's interview was conducted in an institution.

The HwCOUPID and HwCOUPIDC variables are used to identify all spouse data. Spouse data is not present for any respondent in an institution.

HwCOUPID and HwCOUPIDC are not unique identifiers between waves as the couple number changes in every wave of the ELSA. Neither of these variables should be used for merging.

**Cross Wave Differences in ELSA**

No differences known.



## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA was conducted on any eligible individual present at the household during the time of the interview. In this regard, ELSA households can consist of a couple, more than one couple, and uncoupled individuals. The use of couple ID is imperative for identifying sub-households and for comparison to the RAND HRS concept of household.

## ELSA Variables Used

Wave 1 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 2 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 3 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 4 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 5 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 6 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 7 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 8 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 9 Financial:	
COUPID	couple id - splits couples where one member in an instit

<b>Spouse Identifier</b>
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Wave	Variable	Label	Type
1	S1IDAUNIQ	s1idauniq:w1 spouse idauniq	Cont
2	S2IDAUNIQ	s2idauniq:w2 spouse idauniq	Cont
3	S3IDAUNIQ	s3idauniq:w3 spouse idauniq	Cont
4	S4IDAUNIQ	s4idauniq:w4 spouse idauniq	Cont
5	S5IDAUNIQ	s5idauniq:w5 spouse idauniq	Cont
6	S6IDAUNIQ	s6idauniq:w6 spouse idauniq	Cont
7	S7IDAUNIQ	s7idauniq:w7 spouse idauniq	Cont
8	S8IDAUNIQ	s8idauniq:w8 spouse idauniq	Cont
9	S9IDAUNIQ	s9idauniq:w9 spouse idauniq	Cont
1	RASPCT	raspct: # of spouses with pn	Cont
1	RASPID1	raspid1: idauniq of 1st spouse	Cont
1	RASPID2	raspid2: idauniq of 2nd spouse	Cont
1	RASPID3	raspid3: idauniq of 3rd spouse	Cont
1	RASPID4	raspid4: idauniq of 4th spouse	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
S1IDAUNIQ	12099	74688.84	52998.46	0.00	121300.00
S2IDAUNIQ	9432	73453.53	53534.25	0.00	121338.00
S3IDAUNIQ	9766	78528.68	60090.79	0.00	705145.00
S4IDAUNIQ	11050	87113.53	64875.37	0.00	705927.00
S5IDAUNIQ	10274	87791.38	65063.04	0.00	706571.00
S6IDAUNIQ	10601	91687.02	67652.54	0.00	706571.00
S7IDAUNIQ	9666	92255.21	69044.78	0.00	900034.00
S8IDAUNIQ	8445	94397.20	84418.38	0.00	908479.00
S9IDAUNIQ	8736	172426.89	261689.36	0.00	909774.00
RASPCT	19802	1.51	1.83	0.00	9.00
RASPID1	14442	178303.80	191510.10	100001.00	909774.00
RASPID2	55	444779.73	376304.88	119179.00	909757.00
RASPID3	0	.	.	.	.
RASPID4	0	.	.	.	.

### How Constructed

SwIDAUNIQ is the IDAUNIQ of the respondent's spouse in a particular wave as identified by the couple ID derived by ELSA in the Financial Derived Variables datasets (See description above).

Because ELSA's couple ID does not directly correspond to marriage status there are a number of individuals who are counted as a couple where one or both individuals report themselves as being unmarried. These cases of unmarried but coupled individuals can best be thought of as cohabiting partners who would also be counted as spouses in the RAND HRS.

RASPCT tells how many spouses R has over all waves. Each spouse's SwIDAUNIQ is recorded in RASPID1-RASPID4. Following the RAND HRS, 4 spouses' unique IDs are recoded over all waves. These are numeric versions of the unique ids provided by ELSA.

If there is no spouse in a given wave, SwIDAUNIQ is set to zero. If SwIDAUNIQ is unknown, R did not respond in a given wave, or R is in an institution, SwIDAUNIQ is set to missing (.).

Following the RAND HRS, the Harmonized ELSA contains spouse versions of many variables. Spouse variables are generated for the spouse in each wave as identified by the couple id derived by ELSA. For example,

S1BDATE and S2BDATE are the birth dates for the Wave 1 and Wave 2 spouses, respectively. If the spouse in Wave 1 is the same as the spouse in Wave 2, these dates will be identical. If the spouse in Wave 1 is different from the spouse in Wave 2, these will probably be different dates. If these spouse variables are missing because R is not coupled and R is assumed to be single, they are set to a special missing .u. If these spouse variables are missing because R's spouse was not present for the interview, they are set to a special missing .v.

### Cross Wave Differences in ELSA

No differences known.

### Differences with the RAND HRS/Harmonized HRS

In the RAND HRS spousehood is derived from the household id and spouse person numbers in the Tracker file of the HRS. In the Harmonized ELSA spousehood is determined solely by couple id which is a variable derived by ELSA and provided in their Financially Derived Variables files. Spousehood is only identified when both members of the couple are respondents in the survey.

### ELSA Variables Used

Index File:

IDAUNIQ	unique individual serial number
Wave 1 Financial: COUPID	couple id - splits couples where one member in an instit
Wave 2 Financial: COUPID	couple id - splits couples where one member in an instit
Wave 3 Financial: COUPID	couple id - splits couples where one member in an instit
Wave 4 Financial: COUPID	couple id - splits couples where one member in an instit
Wave 5 Financial: COUPID	couple id - splits couples where one member in an instit
Wave 6 Financial: COUPID	couple id - splits couples where one member in an instit
Wave 7 Financial: COUPID	couple id - splits couples where one member in an instit
Wave 8 Financial: COUPID	couple id - splits couples where one member in an instit
Wave 9 Financial: COUPID	couple id - splits couples where one member in an instit

<b>Wave Status: Response Indicator</b>
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Wave	Variable	Label	Type
1	INW1	inw1: =1 if respondent w1	Categ
2	INW2	inw2: =1 if respondent w2	Categ
3	INW3	inw3: =1 if respondent w3	Categ
4	INW4	inw4: =1 if respondent w4	Categ
5	INW5	inw5: =1 if respondent w5	Categ
6	INW6	inw6: =1 if respondent w6	Categ
7	INW7	inw7: =1 if respondent w7	Categ
8	INW8	inw8: =1 if respondent w8	Categ
9	INW9	inw9: =1 if respondent w9	Categ
1	INW1SC	inw1sc: =1 if respondent w1 self-completion	Categ
2	INW2SC	inw2sc: =1 if respondent w2 self-completion	Categ
3	INW3SC	inw3sc: =1 if respondent w3 self-completion	Categ
4	INW4SC	inw4sc: =1 if respondent w4 self-completion	Categ
5	INW5SC	inw5sc: =1 if respondent w5 self-completion	Categ
6	INW6SC	inw6sc: =1 if respondent w6 self-completion	Categ
7	INW7SC	inw7sc: =1 if respondent w7 self-completion	Categ
8	INW8SC	inw8sc: =1 if respondent w8 self-completion	Categ
9	INW9SC	inw9sc: =1 if respondent w9 self-completion	Categ
2	INW2N	inw2n: =1 if respondent w2 nurse	Categ
4	INW4N	inw4n: =1 if respondent w4 nurse	Categ
6	INW6N	inw6n: =1 if respondent w6 nurse	Categ
8	INW8N	inw8n: =1 if respondent w8-9 nurse	Categ
3	INW3LH	inw3lh: =1 if respondent w3 life history	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
INW1	19802	0.61	0.49	0.00	1.00
INW2	19802	0.48	0.50	0.00	1.00
INW3	19802	0.49	0.50	0.00	1.00
INW4	19802	0.56	0.50	0.00	1.00
INW5	19802	0.52	0.50	0.00	1.00
INW6	19802	0.54	0.50	0.00	1.00
INW7	19802	0.49	0.50	0.00	1.00
INW8	19802	0.43	0.49	0.00	1.00
INW9	19802	0.44	0.50	0.00	1.00
INW1SC	12099	0.91	0.29	0.00	1.00
INW2SC	9432	0.89	0.32	0.00	1.00
INW3SC	9766	0.84	0.36	0.00	1.00
INW4SC	11050	0.83	0.37	0.00	1.00
INW5SC	10274	0.88	0.33	0.00	1.00
INW6SC	10601	0.85	0.36	0.00	1.00
INW7SC	9666	0.85	0.36	0.00	1.00
INW8SC	8445	0.86	0.35	0.00	1.00
INW9SC	8736	0.86	0.35	0.00	1.00
INW2N	9432	0.81	0.39	0.00	1.00
INW4N	11050	0.78	0.41	0.00	1.00
INW6N	10601	0.76	0.43	0.00	1.00
INW8N	10035	0.66	0.47	0.00	1.00
INW3LH	19802	0.40	0.49	0.00	1.00

## Categorical Variable Codes

Value-----	INW1	INW2	INW3	INW4	INW5
0.nonresp	7703	10370	10036	8752	9528
1.resp,alive	12099	9432	9766	11050	10274
Value-----	INW6	INW7	INW8	INW9	
0.nonresp	9201	10136	11357	11066	
1.resp,alive	10601	9666	8445	8736	
Value-----	INW1SC	INW2SC	INW3SC	INW4SC	INW5SC
0.nonresp	1115	1078	1534	1837	1244
1.self-completion resp	10984	8354	8232	9213	9030
Value-----	INW6SC	INW7SC	INW8SC	INW9SC	
0.nonresp	1605	1469	1223	1234	
1.self-completion resp	8996	8197	7222	7502	
Value-----		INW2N		INW4N	
0.nonresp		1766		2407	
1.nurse resp		7666		8643	
Value-----	INW6N		INW8N		
0.nonresp	2547		3440		
1.nurse resp	8054		6595		
Value-----			INW3LH		
0.nonresp			11952		
1.life history resp			7850		

## How Constructed

INWw indicates whether an individual responded to a particular wave. INWw is derived from individual wave specific outcomes in the ELSA Index file. Respondents identified as having either a full or partial interview either in person, through a proxy, or at an institution are considered to have responded.

INWwSC indicates whether an individual responded to a particular wave's self-completion survey. A code of 0 indicates the respondent is not considered part of the self-completion sample but participated in the current wave. Exclusion from the self-completion sample can be due to many factors, including not being applicable for the self-completion survey, not returning a self-completion survey to ELSA, and a returned self-completion survey with the majority of questions unanswered. A code of 1 indicates the respondent's self-completion questionnaire was received by ELSA with the majority of questions answered. INWwSC is assigned plain missing (.) if the respondent did not participate in the current interview.

INWwN indicates whether an individual participated in the nurse interview. A code of 0 indicates the respondent did not participate in the nurse interview but participated in the current wave. Exclusion from the nurse interview can be due to many factors, including not yet joining the sample, not being eligible to participate, inability to contact the respondent, being ill, or other reasons. A code of 1 indicates the respondent did participate in the nurse interview. Please note that INW8N indicates whether the respondent participated in the nurse interviews in Wave 8 or Wave 9, as these samples were split across the two waves but are intended to be analyzed together. INWwN is assigned plain missing (.) if the respondent did not participate in the current interview.

INWwLH indicates whether an individual participated in the Wave 3 life history interview. A code of 0 indicates the respondent did not participate in the Wave 3 life history interview. Exclusion from the life history interview can be due to many factors, including not yet joining the sample, inability to contact the respondent, being in an institution, or other reasons. A code of 1 indicates the respondent did participate in the life history interview at least partially.

## Cross Wave Differences in ELSA

Individual Wave 6, Wave 7, Wave 8 and Wave 9 outcomes are not currently available in the ELSA index file so INW6, INW7, INW8 and INW9 are determined using Wave 6, Wave 7, Wave 8 and Wave 9 outcomes included in the wave specific core data.

Individuals in institutions were not surveyed in ELSA Wave 1 and Wave 2. Starting in Wave 3, ELSA surveys respondents in institutions by proxy or in person.

Nurse interviews have been carried out in Waves 2, 4, 6, 8 and 9. The nurse interviews in Waves 2, 4, and 6 were conducted using the full sample of respondents. The nurse interviews in Waves 8 and 9 were conducted using half the sample of respondents and are intended to be analyzed together.

The life history interview has only been carried out in Wave 3.

## Differences with the RAND HRS/Harmonized HRS

The HRS sample excludes individuals in institutions from each initial cohort sampling. However, respondents who move to nursing homes after their baseline wave continue to be interviewed by proxy and in person.

In the Harmonized HRS, the indicator for whether the respondent participated in the physical measures module is called INWwPM, while in the Harmonized ELSA, the indicator for whether the respondent participated in the nurse interview is called INWwN.

## ELSA Variables Used

### Index File:

OUTINDW1	wave 1 individual outcome (updated with mortality inform
OUTINDW2	wave 2 individual outcome (updated with mortality inform
OUTINDW3	wave 3 individual outcome (updated with mortality inform
OUTINDW4	wave 4 individual outcome code
OUTINDW5	w5 individual outcome codes (not updated with mortality)
OUTSCW1	wave 1 self-completion outcome
OUTSCW2	wave 2 self-completion outcome
OUTSCW3	wave 3 core self-completion outcome
OUTSCW4	outcome of wave 4 core self completion questionnaire
OUTSCW5	outcome of core wave 5 self-completion questionnaire
RETROOUT	life history interview outcome
Wave 2 Nurse:	
VISYEAR	year of nurse visit
Wave 4 Nurse:	
VISYEAR	year of nurse visit
Wave 6 Core:	
W6INDOUT	wave 6 individual outcome code (not updated with mortali
W6SCWT	wave 6 main self-completion weight
Wave 6 Nurse:	
VISYEAR	year of nurse visit
Wave 7 Core:	
W7INDOUT	pname: interviewer: record individual outcome code for p
W7SCWT	wave 7 main self-completion weight
Wave 8 Core:	
W8INDOUT	individual outcome code
W8SCWT	wave 8 main self-completion weight
Wave 8 & 9 Nurse:	
VISYEAR	Nurse interview year
Wave 9 Core:	
W9INDOUT	Individual outcome code
W9SCWT	Wave 9 main self-completion weight

<b>Wave Status: Interview Status</b>
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Wave	Variable	Label	Type
1	R1IWSTAT	r1iwstat:w1 r interview status	Categ
2	R2IWSTAT	r2iwstat:w2 r interview status	Categ
3	R3IWSTAT	r3iwstat:w3 r interview status	Categ
4	R4IWSTAT	r4iwstat:w4 r interview status	Categ
5	R5IWSTAT	r5iwstat:w5 r interview status	Categ
6	R6IWSTAT	r6iwstat:w6 r interview status	Categ
7	R7IWSTAT	r7iwstat:w7 r interview status	Categ
8	R8IWSTAT	r8iwstat:w8 r interview status	Categ
9	R9IWSTAT	r9iwstat:w9 r interview status	Categ
1	S1IWSTAT	s1iwstat:w1 s interview status	Categ
2	S2IWSTAT	s2iwstat:w2 s interview status	Categ
3	S3IWSTAT	s3iwstat:w3 s interview status	Categ
4	S4IWSTAT	s4iwstat:w4 s interview status	Categ
5	S5IWSTAT	s5iwstat:w5 s interview status	Categ
6	S6IWSTAT	s6iwstat:w6 s interview status	Categ
7	S7IWSTAT	s7iwstat:w7 s interview status	Categ
8	S8IWSTAT	s8iwstat:w8 s interview status	Categ
9	S9IWSTAT	s9iwstat:w9 s interview status	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IWSTAT	19802	0.66	0.61	0.00	4.00
R2IWSTAT	19802	1.39	2.18	0.00	9.00
R3IWSTAT	19802	1.92	2.66	0.00	9.00
R4IWSTAT	19802	2.51	2.97	0.00	9.00
R5IWSTAT	19802	2.90	3.24	0.00	9.00
R6IWSTAT	19802	3.36	3.43	0.00	9.00
R7IWSTAT	19802	3.99	3.64	0.00	9.00
R8IWSTAT	19802	4.51	3.74	0.00	9.00
R9IWSTAT	19802	5.05	3.73	1.00	9.00
S1IWSTAT	8070	1.00	0.00	1.00	1.00
S2IWSTAT	6178	1.00	0.00	1.00	1.00
S3IWSTAT	6384	1.00	0.07	1.00	5.00
S4IWSTAT	7402	1.00	0.00	1.00	1.00
S5IWSTAT	6964	1.00	0.00	1.00	1.00
S6IWSTAT	7242	1.00	0.00	1.00	1.00
S7IWSTAT	6560	1.00	0.00	1.00	1.00
S8IWSTAT	5688	1.00	0.00	1.00	1.00
S9IWSTAT	5820	1.00	0.00	1.00	1.00

### Categorical Variable Codes

Value-----	R1IWSTAT	R2IWSTAT	R3IWSTAT	R4IWSTAT	R5IWSTAT
0.inap.	7454	7300	5619	3022	2983
1.resp, alive	12099	9432	9767	11050	10274
4.nr, alive	249	1494	1575	1479	897
5.nr, died this wv		508	529	589	608
6.nr, died prev wv			508	1037	1626
7.nr, dropped from samp			2		8
9.nr, dk if alive or died		1068	1802	2625	3406

Value-----	R6IWSTAT	R7IWSTAT	R8IWSTAT	R9IWSTAT
0.inap.	1809	1312	1277	

1.resp, alive	10601	9666	8445	8736	
4.nr, alive	348	360	313		
5.nr, died this wv	518				
6.nr, died prev wv	2234	2752	2752	2752	
7.nr, dropped from samp	8	8	8	8	
9.nr, dk if alive or died	4284	5704	7007	8306	
Value-----	S1IWSTAT	S2IWSTAT	S3IWSTAT	S4IWSTAT	S5IWSTAT
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.resp, alive	8070	6178	6382	7402	6964
5.nr, died this wv			2		
Value-----	S6IWSTAT	S7IWSTAT	S8IWSTAT	S9IWSTAT	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.resp, alive	7242	6560	5688	5820	

## How Constructed

RwIWSTAT variable gives the response and mortality status of the respondent at each wave. Respondents are identified by code 1, while non-respondents are identified by codes 4-7, and 9.

Mortality status is derived from individual wave specific outcomes in the ELSA Index File. Similar to the RAND HRS, non-response code 4 means that the respondent is alive so far as we know but did not respond. A code of 5 means that the respondent died between the last interview and the current one, and 6 means that the respondent had died in a previous wave. A code of 9 means that we don't know if the individual is alive or not. If the respondent joined the ELSA sample at a later wave, then all waves occurring prior to the respondent's first interview are assigned a value of 0 for RwIWSTAT.

SwIWSTAT gives the response and mortality status of the current wave's spouse. It is taken from the spouse's values to RwIWSTAT. Note that when a spouse dies the spouse interview status for the surviving spouse will have a code of .u, respondent unmarried, if the widow does not remarry. A .v missing code indicates that there is no information in the Tracker file on why the spouse did not respond. Note also that SwIWSTAT is set to plain missing (.) if an individual did not respond at a particular interview, including if he/she died.

## Cross Wave Differences in ELSA

In Waves 6, 7, 8 and 9 mortality status is not currently provided by ELSA, as the ELSA Index file does not currently include Wave 6, 7, 8 or 9 data.

There are no Wave 7, Wave 8 and Wave 9 end of life data files to determine if an end of life interview was conducted in place of the regular interview in Wave 7, Wave 8 or Wave 9 because the respondent died after Wave 6, Wave 7 or Wave 8 respectively.

## Differences with the RAND HRS/Harmonized HRS

Unlike the RAND HRS, SwIWSTAT is only generated for couples sharing a couple id, which is only generated when both members of the couple are respondents to the survey, so SwIWSTAT only takes a value 1 and special missing values.

## ELSA Variables Used

### Index File:

OUTINDW1	wave 1 individual outcome (updated with mortality inform
OUTINDW2	wave 2 individual outcome (updated with mortality inform
OUTINDW3	wave 3 individual outcome (updated with mortality inform
OUTINDW4	wave 4 individual outcome code
OUTINDW5	w5 individual outcome codes (not updated with mortality)

### Wave 6 Core:

W6INDOUT	wave 6 individual outcome code (not updated with mortali
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### Wave 7 Core:

W7INDOUT	pname: interviewer: record individual outcome code for p
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Wave 8 Core:  
W8INDOUT individual outcome code  
Wave 9 Core:  
W9INDOUT Individual outcome code

**Sample Cohort**

Wave	Variable	Label	Type
1	R1COHORT_E	r1cohort_e:w1 r sample cohort, ELSA specific	Cont
2	R2COHORT_E	r2cohort_e:w2 r sample cohort, ELSA specific	Cont
3	R3COHORT_E	r3cohort_e:w3 r sample cohort, ELSA specific	Cont
4	R4COHORT_E	r4cohort_e:w4 r sample cohort, ELSA specific	Cont
5	R5COHORT_E	r5cohort_e:w5 r sample cohort, ELSA specific	Cont
6	R6COHORT_E	r6cohort_e:w6 r sample cohort, ELSA specific	Cont
7	R7COHORT_E	r7cohort_e:w7 r sample cohort, ELSA specific	Cont
8	R8COHORT_E	r8cohort_e:w8 r sample cohort, ELSA specific	Cont
9	R9COHORT_E	r9cohort_e:w9 r sample cohort, ELSA specific	Cont
1	S1COHORT_E	s1cohort_e:w1 s sample cohort, ELSA specific	Cont
2	S2COHORT_E	s2cohort_e:w2 s sample cohort, ELSA specific	Cont
3	S3COHORT_E	s3cohort_e:w3 s sample cohort, ELSA specific	Cont
4	S4COHORT_E	s4cohort_e:w4 s sample cohort, ELSA specific	Cont
5	S5COHORT_E	s5cohort_e:w5 s sample cohort, ELSA specific	Cont
6	S6COHORT_E	s6cohort_e:w6 s sample cohort, ELSA specific	Cont
7	S7COHORT_E	s7cohort_e:w7 s sample cohort, ELSA specific	Cont
8	S8COHORT_E	s8cohort_e:w8 s sample cohort, ELSA specific	Cont
9	S9COHORT_E	s9cohort_e:w9 s sample cohort, ELSA specific	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1COHORT_E	12348	1.11	0.46	1.00	3.00
R2COHORT_E	12397	1.12	0.46	1.00	3.00
R3COHORT_E	14105	1.55	1.29	1.00	7.00
R4COHORT_E	16780	2.61	2.75	1.00	11.00
R5COHORT_E	16819	2.62	2.75	1.00	11.00
R6COHORT_E	10601	4.15	4.12	1.00	15.00
R7COHORT_E	9666	4.71	4.80	1.00	19.00
R8COHORT_E	8445	4.66	4.68	1.00	19.00
R9COHORT_E	8731	6.99	7.07	1.00	23.00
S1COHORT_E	8070	1.16	0.54	1.00	3.00
S2COHORT_E	6178	1.17	0.54	1.00	3.00
S3COHORT_E	6384	1.88	1.61	1.00	7.00
S4COHORT_E	7402	3.49	3.20	1.00	11.00
S5COHORT_E	6964	3.35	3.10	1.00	11.00
S6COHORT_E	7242	4.48	4.24	1.00	15.00
S7COHORT_E	6560	5.09	4.95	1.00	19.00
S8COHORT_E	5688	5.01	4.80	1.00	19.00
S9COHORT_E	5818	7.44	7.20	1.00	23.00

**Categorical Variable Codes**

Value-----	R1COHORT_E	R2COHORT_E	R3COHORT_E	R4COHORT_E	R5COHORT_E
1.original HSE sample (HSE	11595	11595	11595	11595	11595
2.partners of original samp	89	138	171	193	205
3.young partner of original	664	664	560	560	560
4.w3 refreshment sample (HS			1285	1285	1285
5.partners of w3 refreshmen			27	40	53
6.young partner of w3 refre			310	310	310
7.older partner of w3 refre			157	157	157
8.w4 refreshment sample (HS				2329	2329
9.partners of w4 refreshmen				18	32
10.young partner of w4 refr				123	123

11.older partner of w4 refr				170	170
Value-----	R6COHORT_E	R7COHORT_E	R8COHORT_E	R9COHORT_E	
.e:non-eligible				5	
1.original HSE sample (HSE	5783	5000	4306	3737	
2.partners of original samp	119	107	107	95	
3.young partner of original	271	246	220	202	
4.w3 refreshment sample (HS	900	798	735	696	
5.partners of w3 refreshmen	36	39	38	43	
6.young partner of w3 refre	194	174	155	135	
7.older partner of w3 refre	93	85	76	67	
8.w4 refreshment sample (HS	1822	1627	1486	1317	
9.partners of w4 refreshmen	29	28	32	32	
10.young partner of w4 refr	91	79	66	61	
11.older partner of w4 refr	109	93	70	63	
12.w6 refreshment sample (H	854	688	602	542	
13.partners of w6 refreshme	10	14	16	17	
14.young partner of w6 refr	146	119	98	81	
15.older partner of w6 refr	144	113	93	85	
16.w7 refreshment sample (H		304	231	214	
17.partners of w7 refreshme		2	4	4	
18.young partner of w7 refr		73	58	49	
19.older partner of w7 refr		77	52	48	
20.w9 refreshment sample (H				912	
21.partners of w9 refreshme				19	
22.young partner of w9 refr				150	
23.older partner of w9 refr				162	
Value-----	S1COHORT_E	S2COHORT_E	S3COHORT_E	S4COHORT_E	S5COHORT_E
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.original HSE sample (HSE	7385	5613	4669	4100	3940
2.partners of original samp	72	93	99	116	116
3.young partner of original	613	472	293	268	269
4.w3 refreshment sample (HS			884	683	691
5.partners of w3 refreshmen			21	24	35
6.young partner of w3 refre			283	218	204
7.older partner of w3 refre			135	102	96
8.w4 refreshment sample (HS				1599	1364
9.partners of w4 refreshmen				15	26
10.young partner of w4 refr				118	99
11.older partner of w4 refr				159	124
Value-----	S6COHORT_E	S7COHORT_E	S8COHORT_E	S9COHORT_E	
.e:non-eligible				2	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.original HSE sample (HSE	3569	3057	2597	2203	
2.partners of original samp	118	102	106	92	
3.young partner of original	260	234	215	194	
4.w3 refreshment sample (HS	648	568	526	487	
5.partners of w3 refreshmen	36	36	37	43	
6.young partner of w3 refre	190	165	148	131	
7.older partner of w3 refre	92	83	74	65	
8.w4 refreshment sample (HS	1254	1091	979	838	
9.partners of w4 refreshmen	28	24	31	30	
10.young partner of w4 refr	87	75	62	60	
11.older partner of w4 refr	106	89	68	61	
12.w6 refreshment sample (H	561	460	399	346	
13.partners of w6 refreshme	10	14	16	17	
14.young partner of w6 refr	142	115	93	78	
15.older partner of w6 refr	141	109	91	83	
16.w7 refreshment sample (H		191	134	123	
17.partners of w7 refreshme		2	4	3	
18.young partner of w7 refr		70	56	47	
19.older partner of w7 refr		75	52	47	
20.w9 refreshment sample (H				539	
21.partners of w9 refreshme				19	
22.young partner of w9 refr				150	
23.older partner of w9 refr				162	

## How Constructed

RwCOHORT\_E identifies the wave-specific ELSA cohort categorization. A code of 1 indicates that the respondent is part of the original sample (HSE 1998-2001). A code of 2 indicates that the respondent is a partner of an original sample respondent. A code of 3 indicates that the respondent is a young partner of an original sample respondent. A code of 4 indicates that the respondent is part of the Wave 3 refreshment sample (HSE 2001-2004). A code of 5 indicates that the respondent is a partner of a Wave 3 refreshment sample respondent. A code of 6 indicates that the respondent is a young partner of a Wave 3 refreshment sample respondent. A code of 7 indicates that the respondent is an older partner of a Wave 3 refreshment sample respondent. A code of 8 indicates that the respondent is part of the Wave 4 refreshment sample (HSE 2006). A code of 9 indicates that the respondent is a partner of a Wave 4 refreshment sample respondent. A code of 10 indicates that the respondent is a young partner of a Wave 4 refreshment sample respondent. A code of 11 indicates that the respondent is an older partner of a Wave 4 refreshment sample respondent. A code of 12 indicates that the respondent is part of the Wave 6 refreshment sample (HSE 2009-2011). A code of 13 indicates that the respondent is a partner of a Wave 6 refreshment sample respondent. A code of 14 indicates that the respondent is a young partner of a Wave 6 refreshment sample respondent. A code of 15 indicates that the respondent is an older partner of a Wave 6 refreshment sample respondent. A code of 16 indicates that the respondent is part of the Wave 7 refreshment sample (HSE 2011-2012). A code of 17 indicates that the respondent is a partner of a Wave 7 refreshment sample respondent. A code of 18 indicates that the respondent is a young partner of a Wave 7 refreshment sample respondent. A code of 19 indicates that the respondent is an older partner of a Wave 7 refreshment sample respondent. A code of 20 indicates that the respondent is part of the Wave 9 refreshment sample (HSE 2013-2015). A code of 21 indicates that the respondent is a partner of a Wave 9 refreshment sample respondent. A code of 22 indicates that the respondent is a young partner of a Wave 9 refreshment sample respondent. A code of 23 indicates that the respondent is an older partner of a Wave 9 refreshment sample respondent. A special missing code of .e is assigned if the respondent is considered non-eligible (not a sample member or partner).

SwCOHORT\_E gives the cohort of the current wave's spouse. It is taken from the spouse's values to RwCOHORT\_E. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used. Note also that SwCOHORT\_E is set to plain missing (.) if an individual did not respond at a particular interview, including if he/she died.

## Cross Wave Differences in ELSA

At Wave 3, ELSA expanded their sample with the Wave 3 Refreshment sample. The original intention for the Wave 3 Refreshment sample was to include those aged 50, 51, 52 and 53, sampled from HSE 2001-2006. However due to an error those aged 53 were excluded. To adjust for this omission younger partners from the original sample and older partners from the refreshment sample who were 53 at the Wave 3 survey were reclassified as core Wave 3 Refreshment sample.

At Wave 4, ELSA expanded their sample with the Wave 4 refreshment sample which included individuals 50 - 74, sampled from HSE 2006.

At Wave 6, ELSA expanded their sample with the Wave 6 refreshment sample which included individuals 50 - 55, sampled from HSE 2009-2011.

At Wave 7, ELSA expanded their sample with the Wave 7 refreshment sample which included individuals 50 and 51 years old, sampled from HSE 2011 and 2012.

At Wave 9, ELSA expanded their sample with the Wave 9 refreshment sample which included individuals 50 - 53 years old, sampled from HSE 2013-2015.

## Differences with the RAND HRS/Harmonized HRS

The sampling framework of the HRS is different from the sampling framework of the ELSA. The HRS used a national probability sample of U.S. households which contained at least one age-eligible household member. Different sets of age-eligibility were used for different cohorts. HRS households can consist of a single unmarried age-eligible person, a married couple in which both persons are age-eligible, or a married couple in which only one spouse is age-eligible. RAND HRS's cohort is a household level variable representing the importance of the household age-eligibility for each cohort.

Harmonized ELSA variables `RwCOHORT_E` and `SwCOHORT_E` refer to a completely different set of categories than the RAND HRS variables `RACOHORT` and `SwCOHORT`. Sampling cohorts differ for each study, this variable only categorizes the sampling cohort by study and should not be considered to harmonize any information across studies.

## ELSA Variables Used

### Index File:

<code>FINSTATW1</code>	final status after wave 1 fieldwork
<code>FINSTATW2</code>	final status after wave 2 fieldwork
<code>FINSTATW3</code>	final status after wave 3 fieldwork
<code>FINSTATW4</code>	final status after wave 4 fieldwork
<code>FINSTATW5</code>	final status after w5 fieldwork (from outcome file used

### Wave 6 Core:

<code>FINSTATW6</code>	final status after wave 6 fieldwork
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### Wave 7 Core:

<code>FINSTATW7</code>	final status after w7 fieldwork
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### Wave 8 Core:

<code>FINSTAT</code>	sampling status by cohort
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### Wave 9 Core:

<code>FINSTAT</code>	(D) W9 final finstat status
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## Whether Eligible for Sample

Wave	Variable	Label	Type
1	RAELSAMP	raelsamp:ELSA r sample-age eligible/Wave 1 Resp	Cont
1	S1ELSAMP	s1elsamp:ELSA s sample-age eligible/Wave 1 Resp	Cont
2	S2ELSAMP	s2elsamp:ELSA s sample-age eligible/Wave 1 Resp	Cont
3	S3ELSAMP	s3elsamp:ELSA s sample-age eligible/Wave 1 Resp	Cont
4	S4ELSAMP	s4elsamp:ELSA s sample-age eligible/Wave 1 Resp	Cont
5	S5ELSAMP	s5elsamp:ELSA s sample-age eligible/Wave 1 Resp	Cont
6	S6ELSAMP	s6elsamp:ELSA s sample-age eligible/Wave 1 Resp	Cont
7	S7ELSAMP	s7elsamp:ELSA s sample-age eligible/Wave 1 Resp	Cont
8	S8ELSAMP	s8elsamp:ELSA s sample-age eligible/Wave 1 Resp	Cont
9	S9ELSAMP	s9elsamp:ELSA s sample-age eligible/Wave 1 Resp	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAELSAMP	19802	0.58	0.49	0.00	1.00
S1ELSAMP	8070	0.92	0.26	0.00	1.00
S2ELSAMP	6178	0.91	0.29	0.00	1.00
S3ELSAMP	6384	0.72	0.45	0.00	1.00
S4ELSAMP	7402	0.54	0.50	0.00	1.00
S5ELSAMP	6964	0.55	0.50	0.00	1.00
S6ELSAMP	7242	0.48	0.50	0.00	1.00
S7ELSAMP	6560	0.45	0.50	0.00	1.00
S8ELSAMP	5688	0.45	0.50	0.00	1.00
S9ELSAMP	5820	0.37	0.48	0.00	1.00

### Categorical Variable Codes

Value-----	RAELSAMP				
0.not in sample	8339				
1.in sample, ELSA Wave 1	11463				
Value-----	S1ELSAMP	S2ELSAMP	S3ELSAMP	S4ELSAMP	S5ELSAMP
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.not in sample	613	572	1767	3368	3113
1.in sample, ELSA Wave 1	7457	5606	4617	4034	3851
Value-----	S6ELSAMP	S7ELSAMP	S8ELSAMP	S9ELSAMP	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.not in sample	3769	3585	3153	3676	
1.in sample, ELSA Wave 1	3473	2975	2535	2144	

### How Constructed

RAELSAMP identifies ELSA-eligible individuals defined as those who were age-eligible and responded to Wave 1. ELSA age-eligible individuals are those born before March 1st, 1952. A value of 1 indicates that the individual was ELSA eligible and responded to Wave 1 and a 0 indicates they are not.

SwELSAMP indicates whether the current wave's spouse was age-eligible and responded to Wave 1. It is taken from the spouse's values to RAELSAMP. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used. Note also

that SwELSAMP is set to plain missing (.) if an individual did not respond at a particular interview, including if he/she died.

### **Cross Wave Differences in ELSA**

No differences known.

### **Differences with the RAND HRS/Harmonized HRS**

RAELSAMP is the Harmonized ELSA corollary to the RAND HRS's RAHRSAMP. Both variables capture whether a respondent was age-eligible at the time of the first wave of their study.

### **ELSA Variables Used**

Wave 1 Core:

ELIGW1            eligibility at w1

<b>Sampling Weight</b>
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Wave	Variable	Label	Type
1	R1STRAT	r1strat:w1 hse stratification variable	Cont
2	R2STRAT	r2strat:w2 hse stratification variable	Cont
3	R3STRAT	r3strat:w3 hse stratification variable	Cont
4	R4STRAT	r4strat:w4 hse stratification variable	Cont
5	R5STRAT	r5strat:w5 hse stratification variable	Cont
6	R6STRAT	r6strat:w6 hse stratification variable	Cont
7	R7STRAT	r7strat:w7 hse stratification variable	Cont
8	R8STRAT	r8strat:w8 hse stratification variable	Cont
9	R9STRAT	r9strat:w9 hse stratification variable	Cont
1	R1CLUST	r1clust:w1 hse clustering variable	Cont
2	R2CLUST	r2clust:w2 hse clustering variable	Cont
3	R3CLUST	r3clust:w3 hse clustering variable	Char
4	R4CLUST	r4clust:w4 hse clustering variable	Char
5	R5CLUST	r5clust:w5 hse clustering variable	Char
6	R6CLUST	r6clust:w6 hse clustering variable	Char
7	R7CLUST	r7clust:w7 hse clustering variable	Char
8	R8CLUST	r8clust:w8 hse clustering variable	Char
9	R9CLUST	r9clust:w9 hse clustering variable	Char

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1STRAT	12027	445.06	248.30	1.00	860.00
R2STRAT	9338	51.66	27.81	1.00	100.00
R3STRAT	10333	13263.41	1890.10	10001.00	20021.00
R4STRAT	11482	13659.26	2106.50	10001.00	17286.00
R5STRAT	10849	13362.40	1946.54	10000.00	16731.00
R6STRAT	10601	13458.44	2002.32	10001.00	16931.00
R7STRAT	9666	13169.36	1829.05	10001.00	16342.00
R8STRAT	8445	12783.10	1609.00	10001.00	15575.00
R9STRAT	8736	107471.51	4355.48	100002.00	115070.00
R1CLUST	12099	868.77	495.35	1.00	1718.00
R2CLUST	9432	866.30	495.26	1.00	1718.00

### How Constructed

ELSA provides stratification and clustering variables to account for the impact of complex sample design on standard errors. RwSTRAT and RwCLUST have values taken directly from these variables provided by ELSA. Refer to the Section 1.6 in the Harmonized ELSA codebook for more information on producing estimates with corrected standard errors by accounting for ELSA's complex sample design. Please see Section 5.1: Clustering and Stratification of the "User Guide to the Main Interview Datasets: Waves 1 to 9" for more information on the stratification and cluster variables provided by ELSA.

The stratification values supplied with Waves 1 and 2 use different scales and do not match each other or those supplied in subsequent waves. In Wave 1, the stratification variable has 860 possible numeric values, while in Wave 2, the stratification variable has 100 possible values. Starting in Wave 3, the stratification variable is given within the context of the Government Office Region. In Waves 3 through 8, this is presented as numeric values with 5 characters. In Wave 9, this is presented as numeric values with 6 characters.

The cluster variables supplied with Waves 1 and 2 also use different scales and do not match those supplied in subsequent waves. In Waves 1 and 2, the cluster variable has 1,718 possible values. Starting in Wave 3, the cluster variable provided takes the values of the wave specific household analytical serial number. Please note that in Waves 3 through 5, the wave specific household analytical serial



number is taken from the Index file, whereas in Waves 6 and onward, the wave specific household analytical serial number is taken from the wave specific core data files.

## Cross Wave Differences in ELSA

The stratification values supplied with Waves 1 and 2 use different scales and do not match each other or those supplied in subsequent waves. In Wave 1, the stratification variable has 860 possible numeric values, while in Wave 2, the stratification variable has 100 possible values. Starting in Wave 3, the stratification variable is given within the context of the Government Office Region. In Waves 3 through 8, this is presented as numeric values with 5 characters. In Wave 9, this is presented as numeric values with 6 characters.

The cluster variables supplied with Waves 1 and 2 also use different scales and do not match those supplied in subsequent waves. In Waves 1 and 2, the cluster variable has 1,718 possible values. Starting in Wave 3, the cluster variable provided takes the values of the wave specific household analytical serial number. Please note that in Waves 3 through 5, the wave specific household analytical serial number is taken from the Index file, whereas in Waves 6 and onward, the wave specific household analytical serial number is taken from the wave specific core data files.

## Differences with the RAND HRS/Harmonized HRS

In the RAND HRS, the cluster variable is named RAEHSAMP. In the RAND HRS, the stratification variable is named RAESTRAT. Both RAEHSAMP and RAESTRAT in the RAND HRS are panel-level variables, whereas RwCLUST and RwSTRAT in the Harmonized ELSA are wave-specific variables, as their values can change between waves.

## ELSA Variables Used

AHSECLS2	data archive hse clustering variable
ASTRATIF	hse stratification variable
Wave 2 Core:	
ASTRATIF	HSE stratification variable
HSECLST	Data Archive HSE clustering variable
Wave 3 Core:	
GOR	government office region
IDAHHW3	w3 household analytical serial number
Wave 4 Core:	
GOR	government office region
IDAHHW4	analytical wave 4 household serial number
Wave 5 Core:	
GOR	Government Office Region
IDAHHW5	Analytical Wave 5 household serial number
Wave 6 Core:	
GOR	government office region based on final w6 postcode
IDAHHW6	analytical wave 6 household serial number
Wave 7 Core:	
GOR	government office region based on final w7 postcode
IDAHHW7	analytical wave 7 household serial number
Wave 8 Core:	
GOR	government office region
IDAHHW8	analytical wave 8 household serial number
Wave 9 Core:	
GOR	(D) government office region taken from final post code
IDAHHW9	Analytical Wave 9 household serial number

<b>Person-Level Analysis Weight</b>
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Wave	Variable	Label	Type
1	R1CWTRESP	r1cwtresp:w1 r	person-level cross-sectional weight, core sam Cont
2	R2CWTRESP	r2cwtresp:w2 r	person-level cross-sectional weight, core sam Cont
3	R3CWTRESP	r3cwtresp:w3 r	person-level cross-sectional weight, core sam Cont
4	R4CWTRESP	r4cwtresp:w4 r	person-level cross-sectional weight, core sam Cont
5	R5CWTRESP	r5cwtresp:w5 r	person-level cross-sectional weight, core sam Cont
6	R6CWTRESP	r6cwtresp:w6 r	person-level cross-sectional weight, core sam Cont
7	R7CWTRESP	r7cwtresp:w7 r	person-level cross-sectional weight, core sam Cont
8	R8CWTRESP	r8cwtresp:w8 r	person-level cross-sectional weight, core sam Cont
9	R9CWTRESP	r9cwtresp:w9 r	person-level cross-sectional weight, core sam Cont
1	S1CWTRESP	s1cwtresp:w1 s	person-level cross-sectional weight, core sam Cont
2	S2CWTRESP	s2cwtresp:w2 s	person-level cross-sectional weight, core sam Cont
3	S3CWTRESP	s3cwtresp:w3 s	person-level cross-sectional weight, core sam Cont
4	S4CWTRESP	s4cwtresp:w4 s	person-level cross-sectional weight, core sam Cont
5	S5CWTRESP	s5cwtresp:w5 s	person-level cross-sectional weight, core sam Cont
6	S6CWTRESP	s6cwtresp:w6 s	person-level cross-sectional weight, core sam Cont
7	S7CWTRESP	s7cwtresp:w7 s	person-level cross-sectional weight, core sam Cont
8	S8CWTRESP	s8cwtresp:w8 s	person-level cross-sectional weight, core sam Cont
9	S9CWTRESP	s9cwtresp:w9 s	person-level cross-sectional weight, core sam Cont
2	R2LWTRESP	r2lwtresp:w2 r	person-level longitudinal weight, core sample Cont
3	R3LWTRESP	r3lwtresp:w3 r	person-level longitudinal weight, core sample Cont
4	R4LWTRESP	r4lwtresp:w4 r	person-level longitudinal weight, core sample Cont
5	R5LWTRESP	r5lwtresp:w5 r	person-level longitudinal weight, core sample Cont
6	R6LWTRESP	r6lwtresp:w6 r	person-level longitudinal weight, core sample Cont
7	R7LWTRESP	r7lwtresp:w7 r	person-level longitudinal weight, core sample Cont
8	R8LWTRESP	r8lwtresp:w8 r	person-level longitudinal weight, core sample Cont
9	R9LWTRESP	r9lwtresp:w9 r	person-level longitudinal weight, core sample Cont
2	S2LWTRESP	s2lwtresp:w2 s	person-level longitudinal weight, core sample Cont
3	S3LWTRESP	s3lwtresp:w3 s	person-level longitudinal weight, core sample Cont
4	S4LWTRESP	s4lwtresp:w4 s	person-level longitudinal weight, core sample Cont
5	S5LWTRESP	s5lwtresp:w5 s	person-level longitudinal weight, core sample Cont
6	S6LWTRESP	s6lwtresp:w6 s	person-level longitudinal weight, core sample Cont
7	S7LWTRESP	s7lwtresp:w7 s	person-level longitudinal weight, core sample Cont
8	S8LWTRESP	s8lwtresp:w8 s	person-level longitudinal weight, core sample Cont
9	S9LWTRESP	s9lwtresp:w9 s	person-level longitudinal weight, core sample Cont
8	R8LWT4RESP	r8lwt4resp:w8 r	person-level longitudinal weight, wave 4 bas Cont
9	R9LWT4RESP	r9lwt4resp:w9 r	person-level longitudinal weight, wave 4 bas Cont
8	S8LWT4RESP	s8lwt4resp:w8 s	person-level longitudinal weight, wave 4 bas Cont
9	S9LWT4RESP	s9lwt4resp:w9 s	person-level longitudinal weight, wave 4 bas Cont
2	R2SCWTRESP	r2scwtresp:w2 r	person-level weight, self-completion sample Cont
4	R4SCWTRESP	r4scwtresp:w4 r	person-level weight, self-completion sample Cont
5	R5SCWTRESP	r5scwtresp:w5 r	person-level weight, self-completion sample Cont
6	R6SCWTRESP	r6scwtresp:w6 r	person-level weight, self-completion sample Cont
7	R7SCWTRESP	r7scwtresp:w7 r	person-level weight, self-completion sample Cont
8	R8SCWTRESP	r8scwtresp:w8 r	person-level weight, self-completion sample Cont
9	R9SCWTRESP	r9scwtresp:w9 r	person-level weight, self-completion sample Cont
2	S2SCWTRESP	s2scwtresp:w2 s	person-level weight, self-completion sample Cont
4	S4SCWTRESP	s4scwtresp:w4 s	person-level weight, self-completion sample Cont
5	S5SCWTRESP	s5scwtresp:w5 s	person-level weight, self-completion sample Cont
6	S6SCWTRESP	s6scwtresp:w6 s	person-level weight, self-completion sample Cont
7	S7SCWTRESP	s7scwtresp:w7 s	person-level weight, self-completion sample Cont

8	S8SCWTRESP	s8scwtresp:w8	s person-level weight, self-completion sample	Cont
9	S9SCWTRESP	s9scwtresp:w9	s person-level weight, self-completion sample	Cont
2	R2NWTRESP	r2nwtresp:w2	r person-level weight, nurse sample	Cont
4	R4NWTRESP	r4nwtresp:w4	r person-level weight, nurse sample	Cont
6	R6NWTRESP	r6nwtresp:w6	r person-level weight, nurse sample	Cont
8	R8NWTRESP	r8nwtresp:w8-9	r person-level weight, nurse sample	Cont
2	S2NWTRESP	s2nwtresp:w2	s person-level weight, nurse sample	Cont
4	S4NWTRESP	s4nwtresp:w4	s person-level weight, nurse sample	Cont
6	S6NWTRESP	s6nwtresp:w6	s person-level weight, nurse sample	Cont
8	S8NWTRESP	s8nwtresp:w8-9	s person-level weight, nurse sample	Cont
8	R8NPWTRESP	r8npwtresp:w8-9	r person-level weight, nurse sample, populat	Cont
8	S8NPWTRESP	s8npwtresp:w8-9	s person-level weight, nurse sample, populat	Cont
3	R3LHWTRESP	r3lhwtresp:w3	r person-level weight, life history sample	Cont
3	S3LHWTRESP	s3lhwtresp:w3	s person-level weight, life history sample	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1CWTRESP	12099	0.94	0.29	0.00	2.52
R2CWTRESP	9432	0.93	0.33	0.00	3.28
R3CWTRESP	9766	0.89	0.39	0.00	3.96
R4CWTRESP	11050	0.89	0.45	0.00	4.08
R5CWTRESP	10274	0.87	0.45	0.00	3.62
R6CWTRESP	10601	0.86	0.66	0.00	6.09
R7CWTRESP	9666	0.84	0.74	0.00	7.52
R8CWTRESP	8445	0.84	0.90	0.00	10.44
R9CWTRESP	8736	0.82	0.74	0.00	7.59
S1CWTRESP	8070	0.91	0.32	0.00	2.21
S2CWTRESP	6178	0.90	0.35	0.00	2.39
S3CWTRESP	6384	0.85	0.42	0.00	2.95
S4CWTRESP	7402	0.85	0.48	0.00	3.40
S5CWTRESP	6964	0.84	0.48	0.00	2.93
S6CWTRESP	7242	0.82	0.68	0.00	6.08
S7CWTRESP	6560	0.81	0.77	0.00	7.52
S8CWTRESP	5688	0.81	0.92	0.00	10.44
S9CWTRESP	5820	0.76	0.74	0.00	7.59
R2LWTRESP	9432	0.93	0.33	0.00	3.28
R3LWTRESP	7168	1.00	0.26	0.56	4.18
R4LWTRESP	5971	1.00	0.30	0.52	3.88
R5LWTRESP	5262	1.00	0.32	0.50	3.89
R6LWTRESP	4711	1.00	0.33	0.48	3.76
R7LWTRESP	4062	1.00	0.34	0.47	3.40
R8LWTRESP	3470	1.00	0.35	0.46	3.50
R9LWTRESP	2959	1.00	0.34	0.46	3.48
S2LWTRESP	6178	0.90	0.35	0.00	2.39
S3LWTRESP	4421	1.00	0.24	0.57	2.88
S4LWTRESP	3670	1.01	0.28	0.54	3.58
S5LWTRESP	3266	1.01	0.29	0.52	3.56
S6LWTRESP	2932	1.01	0.30	0.53	3.75
S7LWTRESP	2514	1.02	0.32	0.52	3.40
S8LWTRESP	2131	1.01	0.32	0.50	3.50
S9LWTRESP	1791	1.01	0.32	0.49	3.33

R8LWT4RESP	5623	1.00	0.40	0.34	4.75
R9LWT4RESP	4848	1.00	0.41	0.34	5.57
S8LWT4RESP	3570	0.99	0.38	0.35	4.02
S9LWT4RESP	3029	1.00	0.39	0.38	3.91
R2SCWTRESP	7803	1.00	0.27	0.57	4.15
R4SCWTRESP	8310	1.00	0.41	0.34	5.61
R5SCWTRESP	8075	1.00	0.39	0.41	5.60
R6SCWTRESP	7903	1.00	0.68	0.36	7.79
R7SCWTRESP	7095	1.00	0.75	0.21	8.52
R8SCWTRESP	6257	1.00	0.92	0.11	10.26
R9SCWTRESP	6359	1.00	0.75	0.11	8.38
S2SCWTRESP	5195	0.96	0.21	0.58	2.57
S4SCWTRESP	5568	0.96	0.36	0.35	3.87
S5SCWTRESP	5311	1.00	0.36	0.42	4.09
S6SCWTRESP	5188	1.00	0.67	0.38	7.79
S7SCWTRESP	4615	1.01	0.75	0.23	8.52
S8SCWTRESP	3999	1.01	0.95	0.11	10.26
S9SCWTRESP	3938	1.01	0.73	0.11	8.38
R2NWTRESP	7666	1.00	0.25	0.57	3.67
R4NWTRESP	8195	1.00	0.40	0.33	5.87
R6NWTRESP	7699	1.00	0.66	0.34	8.40
R8NWTRESP	6493	1.00	0.81	0.13	12.89
S2NWTRESP	4922	0.99	0.22	0.57	2.62
S4NWTRESP	5316	0.99	0.38	0.37	5.87
S6NWTRESP	4983	1.01	0.67	0.39	8.40
S8NWTRESP	3650	0.94	0.78	0.13	12.83
R8NPWTRESP	6493	3141.79	2550.08	412.82	40497.44
S8NPWTRESP	3650	2947.15	2445.65	412.82	40307.92
R3LHWTRESP	7850	0.90	0.40	0.00	4.17
S3LHWTRESP	5176	0.86	0.42	0.00	3.71

## How Constructed

RwCWTRESP is the person-level cross-sectional weight as defined by ELSA. RwCWTRESP is provided to account for any bias from non-response in order to make the respondent sample more representative of the population. These cross-sectional weights also allow for the inclusion of new respondents from the refreshment samples who would not have a longitudinal weight.

SwCWTRESP is the current wave's spouse's person-level cross-sectional weight. It is taken from the spouse's values to RwCWTRESP. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used. Note also that SwCWTRESP is set to plain missing (.) if an individual did not respond at a particular interview, including if he/she died.

New or young partners will always have missing values of RwCWTRESP but can have non-missing values of SwCWTRESP if their spouse is a core sample member.

RwLWTRESP is the person-level longitudinal weight accounting for sample attrition since the first wave. RwLWTRESP is only defined for respondents who have taken part in all previous waves as well as the current wave. RwLWTRESP is provided to account for any bias arising from sample attrition. RwLWTRESP is set to plain missing (.) if the respondent did not participate in all of the waves between wave 1 and the current wave.

SwLWTRESP is the current wave's spouse's person-level longitudinal weight accounting for sample attrition since the first wave. It is taken from the spouse's values to RwlWTRESP. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used. Note also that SwLWTRESP is set to plain missing (.) if an individual did not respond at a particular interview, including if he/she died.

RwlWT4RESP is the person-level longitudinal weight accounting for sample attrition between Wave 4 and the current wave. RwlWT4RESP is available beginning in Wave 8. RwlWT4RESP is only defined for respondents who have taken part in all waves from Wave 4 to the current wave. RwlWT4RESP is provided to account for any bias arising from sample attrition. RwlWT4RESP is set to plain missing (.) if the respondent did not participate in all of the waves between Wave 4 and the current wave.

SwLWT4RESP is the current wave's spouse's person-level longitudinal weight accounting for sample attrition between Wave 4 and the current wave. It is taken from the spouse's values to RwlWT4RESP. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used. Note also that SwLWT4RESP is set to plain missing (.) if an individual did not respond at a particular interview, including if he/she died.

RwSCWTRESP is the person-level self-completion weight as defined by ELSA for each wave. ELSA calculates weights for core members (not partners) whose self-completion questionnaire was received with the majority of questions answered (i.e. they had a value of 1 for the self-completion outcome code, which is named INWwSC). ELSA does not calculate person-level weights for new or young partners so RwSCWTRESP is set to plain missing (.) for non-core respondents and anyone non-responding to the particular wave.

SwSCWTRESP is the current wave's spouse's person-level self-completion weight. It is taken from the spouse's values to RwSCWTRESP. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used. Note also that SwSCWTRESP is set to plain missing (.) if an individual did not respond to a particular interview, including if he/she died.

RwNWTRESP is the person-level nurse interview weight as defined by ELSA for each wave with a nurse interview (Waves 2, 4, 6, 8 and 9), that scales values from the nurse interview to the size of the ELSA sample. RwnPWTRESP is the person-level nurse interview weight as defined by ELSA for the nurse interviews in Waves 8 and 9, that scales the values from the nurse interview to the size of the population in England age 50 and older. ELSA calculates weights for core members (not partners) who participated in the nurse interview. Please note that R8NWTRESP and R8NPWTRESP are the person-level nurse interview weights for respondents who participated in the nurse interviews in Wave 8 or Wave 9, as these samples were split across the two waves but are intended to be analyzed together. ELSA does not calculate person-level weights for new or young partners so RwnWTRESP and RwnPWTRESP are set to plain missing (.) for non-core respondents and anyone non-responding to the particular wave. RwnPWTRESP is also set to plain missing (.) for respondents in waves preceding Wave 8.

SwNWTRESP and SwNPWTRESP are the current wave's spouse's person-level nurse interview weights. They are taken from the spouse's values to RwnWTRESP and RwnPWTRESP. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used. Note also that SwNWTRESP is set to plain missing (.) if an individual did not respond to a particular interview, including if he/she died.

RwlHWTRESP is the person-level life history interview weight as defined by ELSA for the Wave 3 life history interview. ELSA calculates weights for core members (not partners) who participated in the life history interview at least partially. ELSA does not calculate person-level weights for new or young partners so RwlHWTRESP is set to plain missing (.) for non-core respondents and anyone non-responding to the particular wave.

SwLHWTRESP is the current wave's spouse's person-level life history interview weight. It is taken from the spouse's values to RwlHWTRESP. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used. Note also

that SwLHWTRESP is set to plain missing (.) if an individual did not respond to a particular interview, including if he/she died.

## Cross Wave Differences in ELSA

Please note that the wave 2 cross-sectional weight is equivalent to the wave 2 longitudinal weight. For more information about this, please see the section "Cross-sectional and longitudinal weights" on page 52 of the "Retirement, health and relationships of the older population in England: The 2004 English Longitudinal Study of Ageing, Technical Report" dated November 2008.

Longitudinal weights in reference to wave 1 are only available beginning in Wave 2.

Longitudinal weights in reference to wave 4 are only available beginning in Wave 8.

Wave 1 and Wave 3 self-completion weights are not included in the current version of the ELSA datasets.

Nurse interviews took place in Waves 2, 4, 6, 8 and 9. The nurse interviews in Waves 2, 4, and 6 were conducted using the full sample of respondents. The nurse interviews in Waves 8 and 9 were conducted using half the sample of respondents and are intended to be analyzed together. For the nurse interviews in Waves 8 and 9, ELSA supplied two weights: one that scales responses to the size of the ELSA sample (R8NWTRESP), and one that scales responses to the size of the English population age 50 and older. Weights for the nurse interviews in Waves 2, 4, and 6 only scale responses to the size of the ELSA sample.

Life history interview weights are available for Wave 3 in which the life history interview was conducted.

## Differences with the RAND HRS/Harmonized HRS

Person-level weights in the HRS are provided to allow inferences about the U.S. population and involve post-stratifying each wave's weights to the March CPS on the basis of the birth cohorts of the respondent and spouse and on the basis of respondent gender race/ethnicity, accounting for sample design and providing adjustment for sample attrition and mortality. Because of the equal probability design of the HSE sample and the fact that the ELSA sample included all eligible adults from the HSE, there is no need to provide a weight to account for selection probabilities. Person-level weights in ELSA Waves 1 and 2 are provided to account for non-response at HSE, refusal to be re-interviewed post-HSE and non-response at ELSA. The person-level weight involves inverting the predicted probability of response for the responding households which is then calibrated with an estimated probability of response to each household to explain the discrepancy between the survey age-sex distribution and the population age-sex distribution.

Unlike the HRS, ELSA does not provide separate weights for households. Instead ELSA suggests that the person-level weights should also be used to weight households.

Also unlike the HRS, ELSA provides one cross-sectional weight and one longitudinal weight for each wave after Wave 1.

Also unlike the HRS, ELSA provides a longitudinal weight in reference to a wave other than Wave 1 of the ELSA starting in Wave 8.

## ELSA Variables Used

Wave 1 Core:

W1WGT w1 weight for all core sm to account for non-response

Wave 2 Core:

SCW2WGT Self-completion weight at Wave 2

SCW2WGT Self-completion weight at Wave 2

W2WGT W2 weight for all core members to account for non-respon

Wave 2 Nurse:

W2WTNUR weight for nurse data (excluding blood sample analyses)

Wave 3 Core:

W3LWGT wave 3 longitudinal weight

W3XWGT wave 3 cross sectional weight  
Wave 3 Life History:  
RETROWGT weight for life-history interview  
Wave 4 Core:  
W4LWGT wave 4 longitudinal weight  
W4SCWT wave 4 self-completion weight  
W4XWGT wave 4 cross-sectional weight  
Wave 4 Nurse:  
W4NURWT wave 4 weight for nurse data (excluding blood sample ana  
Wave 5 Core:  
W5LWGT Wave 5 longitudinal weight  
W5SCWT Wave 5 self-completion weight  
W5XWGT w5 cross-sectional weight  
Wave 6 Core:  
W6LWGT wave 6 longitudinal weight  
W6SCWT wave 6 main self-completion weight  
W6XWGT w6 cross-sectional weight  
Wave 6 Nurse:  
W6NURWT nurse weight  
Wave 7 Core:  
W7LWGT wave 7 longitudinal weight  
W7SCWT wave 7 main self-completion weight  
W7XWGT wave 7 cross-sectional weight  
Wave 8 Core:  
W8SCWT wave 8 main self-completion weight  
W8W1LWGT wave 8 longitudinal weight (wave 1 base)  
W8W4LWGT wave 8 longitudinal weight (wave 4 base)  
W8XWGT wave 8 cross-sectional weight  
Wave 8 & 9 Nurse:  
W89NURWT\_G Analytic Nurse weight grossed to population (wave 8 and  
W89NURWT\_N Analytic Nurse weight (wave 8 and wave 9)  
Wave 9 Core:  
W9SCWT Wave 9 main self-completion weight  
W9W1LWGT Wave 9 Longitudinal weight (wave 1 base)  
W9W4LWGT Wave 9 Longitudinal weight (wave 4 base)  
W9XWGT Wave 9 cross-sectional weight

**Number of Household Respondents**

Wave	Variable	Label	Type
1	HH1HHRESP	hh1hhresp:w1 # core respondents in hh	Cont
2	HH2HHRESP	hh2hhresp:w2 # core respondents in hh	Cont
3	HH3HHRESP	hh3hhresp:w3 # core respondents in hh	Cont
4	HH4HHRESP	hh4hhresp:w4 # core respondents in hh	Cont
5	HH5HHRESP	hh5hhresp:w5 # core respondents in hh	Cont
6	HH6HHRESP	hh6hhresp:w6 # core respondents in hh	Cont
7	HH7HHRESP	hh7hhresp:w7 # core respondents in hh	Cont
8	HH8HHRESP	hh8hhresp:w8 # core respondents in hh	Cont
9	HH9HHRESP	hh9hhresp:w9 # core respondents in hh	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
HH1HHRESP	12099	1.69	0.48	1.00	3.00
HH2HHRESP	9432	1.67	0.48	1.00	3.00
HH3HHRESP	9766	1.67	0.48	1.00	3.00
HH4HHRESP	11050	1.68	0.47	1.00	3.00
HH5HHRESP	10274	1.69	0.47	1.00	3.00
HH6HHRESP	10601	1.69	0.46	1.00	3.00
HH7HHRESP	9666	1.69	0.46	1.00	3.00
HH8HHRESP	8445	1.68	0.47	1.00	3.00
HH9HHRESP	8736	1.67	0.47	1.00	3.00

**How Constructed**

HHwHHRESP is the number of individuals in the house who actually responded at each wave. It counts the number of respondents sharing the same household id. HHwHHRESP is set to plain missing (.) for respondents who did not respond to the current wave.

**Cross Wave Differences in ELSA**

No differences known.

**Differences with the RAND HRS/Harmonized HRS**

Unlike the HRS, the ELSA surveys any eligible individual present at the household during the time of the interview. So unlike the RAND HRS, HHwHHRESP contains values greater than 2 when more than two people were interviewed in the same household.

**ELSA Variables Used**

Index File:	
IDAHHW1	analytical wave 1 household serial number
IDAHHW2	analytical wave 2 household serial number
IDAHHW3	analytical wave 3 household serial number
IDAHHW4	analytical wave 4 household serial number
IDAHHW5	analytical wave 5 household serial number
Wave 6 Core:	
IDAHHW6	analytical wave 6 household serial number
Wave 7 Core:	
IDAHHW7	analytical wave 7 household serial number
Wave 8 Core:	
IDAHHW8	analytical wave 8 household serial number
Wave 9 Core:	
IDAHHW9	Analytical Wave 9 household serial number



<b>Whether Couple Household</b>
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Wave	Variable	Label	Type
1	H1CPL	h1cpl:w1 whether coupled	Cont
2	H2CPL	h2cpl:w2 whether coupled	Cont
3	H3CPL	h3cpl:w3 whether coupled	Cont
4	H4CPL	h4cpl:w4 whether coupled	Cont
5	H5CPL	h5cpl:w5 whether coupled	Cont
6	H6CPL	h6cpl:w6 whether coupled	Cont
7	H7CPL	h7cpl:w7 whether coupled	Cont
8	H8CPL	h8cpl:w8 whether coupled	Cont
9	H9CPL	h9cpl:w9 whether coupled	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1CPL	12099	0.67	0.47	0.00	1.00
H2CPL	9432	0.66	0.48	0.00	1.00
H3CPL	9766	0.65	0.48	0.00	1.00
H4CPL	11050	0.67	0.47	0.00	1.00
H5CPL	10274	0.68	0.47	0.00	1.00
H6CPL	10601	0.68	0.47	0.00	1.00
H7CPL	9666	0.68	0.47	0.00	1.00
H8CPL	8445	0.67	0.47	0.00	1.00
H9CPL	8736	0.67	0.47	0.00	1.00

### Categorical Variable Codes

Value-----	H1CPL	H2CPL	H3CPL	H4CPL	H5CPL
0.not coupled	4029	3254	3384	3648	3310
1.coupled	8070	6178	6382	7402	6964
Value-----	H6CPL	H7CPL	H8CPL	H9CPL	
0.not coupled	3359	3106	2757	2916	
1.coupled	7242	6560	5688	5820	

### How Constructed

HwCPL indicates whether this couple id refers to one person or a couple. HwCPL is set to 1 if the couple includes two coupled respondents in the current wave. HwCPL is set to 0 if the couple id only refers to one respondent in the current wave. HwCPL is set to plain missing (.) for respondents who did not respond to the current wave.

### Cross Wave Differences in ELSA

No differences known.

### Differences with the RAND HRS/Harmonized HRS

HwCPL is the Harmonized ELSA corollary to the RAND HRS's HwCPL. Because households in ELSA are not limited to one couple HwCPL is specified at the household couple level instead of the whole household level.

### ELSA Variables Used

Wave 1 Financial:  
 COUPID            couple id - splits couples where one member in an instit

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Wave 2 Financial:  
COUPID couple id - splits couples where one member in an instit

Wave 3 Financial:  
COUPID couple id - splits couples where one member in an instit

Wave 4 Financial:  
COUPID couple id - splits couples where one member in an instit

Wave 5 Financial:  
COUPID couple id - splits couples where one member in an instit

Wave 6 Financial:  
COUPID couple id - splits couples where one member in an instit

Wave 7 Financial:  
COUPID couple id - splits couples where one member in an instit

Wave 8 Financial:  
COUPID couple id - splits couples where one member in an instit

Wave 9 Financial:  
COUPID couple id - splits couples where one member in an instit

<b>Financial Respondent, Household Respondent, Housing Respondent</b>
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Wave	Variable	Label	Type
1	R1FINR	r1finr:w1 r whether financial resp	Categ
2	R2FINR	r2finr:w2 r whether financial resp	Categ
3	R3FINR	r3finr:w3 r whether financial resp	Categ
4	R4FINR	r4finr:w4 r whether financial resp	Categ
5	R5FINR	r5finr:w5 r whether financial resp	Categ
6	R6FINR	r6finr:w6 r whether financial resp	Categ
7	R7FINR	r7finr:w7 r whether financial resp	Categ
8	R8FINR	r8finr:w8 r whether financial resp	Categ
9	R9FINR	r9finr:w9 r whether financial resp	Categ
1	S1FINR	s1finr:w1 s whether financial resp	Categ
2	S2FINR	s2finr:w2 s whether financial resp	Categ
3	S3FINR	s3finr:w3 s whether financial resp	Categ
4	S4FINR	s4finr:w4 s whether financial resp	Categ
5	S5FINR	s5finr:w5 s whether financial resp	Categ
6	S6FINR	s6finr:w6 s whether financial resp	Categ
7	S7FINR	s7finr:w7 s whether financial resp	Categ
8	S8FINR	s8finr:w8 s whether financial resp	Categ
9	S9FINR	s9finr:w9 s whether financial resp	Categ
1	H1ANYFIN	h1anyfin:w1 whether any financial resp in couple	Cont
2	H2ANYFIN	h2anyfin:w2 whether any financial resp in couple	Cont
3	H3ANYFIN	h3anyfin:w3 whether any financial resp in couple	Cont
4	H4ANYFIN	h4anyfin:w4 whether any financial resp in couple	Cont
5	H5ANYFIN	h5anyfin:w5 whether any financial resp in couple	Cont
6	H6ANYFIN	h6anyfin:w6 whether any financial resp in couple	Cont
7	H7ANYFIN	h7anyfin:w7 whether any financial resp in couple	Cont
8	H8ANYFIN	h8anyfin:w8 whether any financial resp in couple	Cont
9	H9ANYFIN	h9anyfin:w9 whether any financial resp in couple	Cont
1	R1HHR	r1hhr:w1 r whether hh resp	Categ
2	R2HHR	r2hhr:w2 r whether hh resp	Categ
3	R3HHR	r3hhr:w3 r whether hh resp	Categ
4	R4HHR	r4hhr:w4 r whether hh resp	Categ
5	R5HHR	r5hhr:w5 r whether hh resp	Categ
6	R6HHR	r6hhr:w6 r whether hh resp	Categ
7	R7HHR	r7hhr:w7 r whether hh resp	Categ
8	R8HHR	r8hhr:w8 r whether hh resp	Categ
9	R9HHR	r9hhr:w9 r whether hh resp	Categ
1	S1HHR	s1hhr:w1 s whether hh resp	Categ
2	S2HHR	s2hhr:w2 s whether hh resp	Categ
3	S3HHR	s3hhr:w3 s whether hh resp	Categ
4	S4HHR	s4hhr:w4 s whether hh resp	Categ
5	S5HHR	s5hhr:w5 s whether hh resp	Categ
6	S6HHR	s6hhr:w6 s whether hh resp	Categ
7	S7HHR	s7hhr:w7 s whether hh resp	Categ
8	S8HHR	s8hhr:w8 s whether hh resp	Categ
9	S9HHR	s9hhr:w9 s whether hh resp	Categ
1	R1HOR	r1hor:w1 r whether housing resp	Categ
2	R2HOR	r2hor:w2 r whether housing resp	Categ
3	R3HOR	r3hor:w3 r whether housing resp	Categ
4	R4HOR	r4hor:w4 r whether housing resp	Categ
5	R5HOR	r5hor:w5 r whether housing resp	Categ
6	R6HOR	r6hor:w6 r whether housing resp	Categ
7	R7HOR	r7hor:w7 r whether housing resp	Categ

8	R8HOR	r8hor:w8	r	whether housing resp	Categ
9	R9HOR	r9hor:w9	r	whether housing resp	Categ
1	S1HOR	s1hor:w1	s	whether housing resp	Categ
2	S2HOR	s2hor:w2	s	whether housing resp	Categ
3	S3HOR	s3hor:w3	s	whether housing resp	Categ
4	S4HOR	s4hor:w4	s	whether housing resp	Categ
5	S5HOR	s5hor:w5	s	whether housing resp	Categ
6	S6HOR	s6hor:w6	s	whether housing resp	Categ
7	S7HOR	s7hor:w7	s	whether housing resp	Categ
8	S8HOR	s8hor:w8	s	whether housing resp	Categ
9	S9HOR	s9hor:w9	s	whether housing resp	Categ
1	HH1ANYHO	hh1anyho:w1		whether any housing resp in hh	Cont
2	HH2ANYHO	hh2anyho:w2		whether any housing resp in hh	Cont
3	HH3ANYHO	hh3anyho:w3		whether any housing resp in hh	Cont
4	HH4ANYHO	hh4anyho:w4		whether any housing resp in hh	Cont
5	HH5ANYHO	hh5anyho:w5		whether any housing resp in hh	Cont
6	HH6ANYHO	hh6anyho:w6		whether any housing resp in hh	Cont
7	HH7ANYHO	hh7anyho:w7		whether any housing resp in hh	Cont
8	HH8ANYHO	hh8anyho:w8		whether any housing resp in hh	Cont
9	HH9ANYHO	hh9anyho:w9		whether any housing resp in hh	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1FINR	12099	0.72	0.45	0.00	1.00
R2FINR	9432	0.73	0.45	0.00	1.00
R3FINR	9766	0.72	0.45	0.00	1.00
R4FINR	11050	0.73	0.45	0.00	1.00
R5FINR	10274	0.72	0.45	0.00	1.00
R6FINR	10601	0.72	0.45	0.00	1.00
R7FINR	9666	0.72	0.45	0.00	1.00
R8FINR	8445	0.72	0.45	0.00	1.00
R9FINR	8736	0.74	0.44	0.00	1.00
S1FINR	8070	0.58	0.49	0.00	1.00
S2FINR	6178	0.58	0.49	0.00	1.00
S3FINR	6383	0.58	0.49	0.00	1.00
S4FINR	7402	0.60	0.49	0.00	1.00
S5FINR	6964	0.59	0.49	0.00	1.00
S6FINR	7242	0.59	0.49	0.00	1.00
S7FINR	6560	0.59	0.49	0.00	1.00
S8FINR	5688	0.59	0.49	0.00	1.00
S9FINR	5820	0.61	0.49	0.00	1.00
H1ANYFIN	12099	1.00	0.07	0.00	1.00
H2ANYFIN	9432	1.00	0.05	0.00	1.00
H3ANYFIN	9766	1.00	0.06	0.00	1.00
H4ANYFIN	11050	1.00	0.06	0.00	1.00
H5ANYFIN	10274	1.00	0.06	0.00	1.00
H6ANYFIN	10601	1.00	0.05	0.00	1.00
H7ANYFIN	9666	1.00	0.05	0.00	1.00
H8ANYFIN	8445	1.00	0.04	0.00	1.00
H9ANYFIN	8736	1.00	0.05	0.00	1.00
R1HHR	12099	0.65	0.48	0.00	1.00
R2HHR	9432	0.66	0.47	0.00	1.00
R3HHR	9766	0.66	0.47	0.00	1.00
R4HHR	11050	0.65	0.48	0.00	1.00
R5HHR	10274	0.64	0.48	0.00	1.00
R6HHR	10601	0.64	0.48	0.00	1.00

R7HHR	9666	0.64	0.48	0.00	1.00
R8HHR	8445	0.65	0.48	0.00	1.00
R9HHR	8736	0.65	0.48	0.00	1.00
S1HHR	8070	0.50	0.50	0.00	1.00
S2HHR	6178	0.50	0.50	0.00	1.00
S3HHR	6383	0.50	0.50	0.00	1.00
S4HHR	7402	0.50	0.50	0.00	1.00
S5HHR	6964	0.50	0.50	0.00	1.00
S6HHR	7242	0.50	0.50	0.00	1.00
S7HHR	6560	0.50	0.50	0.00	1.00
S8HHR	5688	0.50	0.50	0.00	1.00
S9HHR	5820	0.50	0.50	0.00	1.00
R1HOR	12099	0.65	0.48	0.00	1.00
R2HOR	9432	0.66	0.47	0.00	1.00
R3HOR	9766	0.66	0.47	0.00	1.00
R4HOR	11050	0.65	0.48	0.00	1.00
R5HOR	10274	0.65	0.48	0.00	1.00
R6HOR	10601	0.65	0.48	0.00	1.00
R7HOR	9666	0.65	0.48	0.00	1.00
R8HOR	8445	0.65	0.48	0.00	1.00
R9HOR	8736	0.66	0.48	0.00	1.00
S1HOR	8070	0.50	0.50	0.00	1.00
S2HOR	6178	0.50	0.50	0.00	1.00
S3HOR	6383	0.49	0.50	0.00	1.00
S4HOR	7402	0.50	0.50	0.00	1.00
S5HOR	6964	0.50	0.50	0.00	1.00
S6HOR	7242	0.49	0.50	0.00	1.00
S7HOR	6560	0.49	0.50	0.00	1.00
S8HOR	5688	0.49	0.50	0.00	1.00
S9HOR	5820	0.49	0.50	0.00	1.00
HH1ANYHO	12099	1.00	0.05	0.00	1.00
HH2ANYHO	9432	1.00	0.03	0.00	1.00
HH3ANYHO	9766	1.00	0.03	0.00	1.00
HH4ANYHO	11050	0.99	0.08	0.00	1.00
HH5ANYHO	10274	1.00	0.00	1.00	1.00
HH6ANYHO	10601	1.00	0.00	1.00	1.00
HH7ANYHO	9666	1.00	0.00	1.00	1.00
HH8ANYHO	8445	1.00	0.00	1.00	1.00
HH9ANYHO	8736	1.00	0.00	1.00	1.00

## Categorical Variable Codes

Value-----	R1FINR	R2FINR	R3FINR	R4FINR	R5FINR
0.no	3387	2588	2686	3026	2883
1.yes	8712	6844	7080	8024	7391
Value-----	R6FINR	R7FINR	R8FINR	R9FINR	
0.no	2972	2733	2340	2307	
1.yes	7629	6933	6105	6429	
Value-----	S1FINR	S2FINR	S3FINR	S4FINR	S5FINR
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3370	2581	2657	2994	2853
1.yes	4700	3597	3726	4408	4111
Value-----	S6FINR	S7FINR	S8FINR	S9FINR	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	2956	2711	2326	2292	

1.yes	4286	3849	3362	3528	
Value-----	H1ANYFIN	H2ANYFIN	H3ANYFIN	H4ANYFIN	H5ANYFIN
0.no	54	21	31	41	38
1.yes	12045	9411	9735	11009	10236
Value-----	H6ANYFIN	H7ANYFIN	H8ANYFIN	H9ANYFIN	
0.no	30	26	15	22	
1.yes	10571	9640	8430	8714	
Value-----	R1HHR	R2HHR	R3HHR	R4HHR	R5HHR
0.no	4192	3192	3352	3908	3671
1.yes	7907	6240	6414	7142	6603
Value-----	R6HHR	R7HHR	R8HHR	R9HHR	
0.no	3787	3439	2965	3024	
1.yes	6814	6227	5480	5712	
Value-----	S1HHR	S2HHR	S3HHR	S4HHR	S5HHR
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4038	3102	3210	3735	3515
1.yes	4032	3076	3173	3667	3449
Value-----	S6HHR	S7HHR	S8HHR	S9HHR	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3640	3305	2864	2917	
1.yes	3602	3255	2824	2903	
Value-----	R1HOR	R2HOR	R3HOR	R4HOR	R5HOR
0.no	4188	3162	3344	3907	3600
1.yes	7911	6270	6422	7143	6674
Value-----	R6HOR	R7HOR	R8HOR	R9HOR	
0.no	3736	3377	2928	3007	
1.yes	6865	6289	5517	5729	
Value-----	S1HOR	S2HOR	S3HOR	S4HOR	S5HOR
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4046	3092	3228	3733	3514
1.yes	4024	3086	3155	3669	3450
Value-----	S6HOR	S7HOR	S8HOR	S9HOR	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3665	3320	2894	2966	
1.yes	3577	3240	2794	2854	
Value-----	HH1ANYHO	HH2ANYHO	HH3ANYHO	HH4ANYHO	HH5ANYHO
0.no	26	9	11	77	
1.yes	12073	9423	9755	10973	10274
Value-----	HH6ANYHO	HH7ANYHO	HH8ANYHO	HH9ANYHO	
1.yes	10601	9666	8445	8736	

## How Constructed

In households with a couple, couples were asked whether they kept their finances together or separate. If kept together, they were considered to be a single financial unit that required only one financial respondent. If their finances were kept separately, each person needed to answer the financial questions separately. For single respondents, each respondent needed to answer their own financial questions.

RwFINR indicates whether the respondent or the spouse answered the financial questions. A value of 1 for RwFINR indicates that the respondent answered the financial questions, while a value of 0 indicates that the respondent did not answer the financial questions.

SwFINR indicates whether the current wave's spouse was the financial respondent. It is taken from the spouse's values to RwFINR. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used.

HwANYFIN indicates whether anyone in the couple id answered the financial questions. A value of 1 for HwANYFIN indicates that there is a financial respondent, while a value of 0 indicates that there is no financial respondent. RwFINR, SwFINR, and HwANYFIN are set to plain missing (.) for respondents who did not respond to the current wave.

For each household, one respondent was asked to answer all household demographic questions for every individual in the household. These questions included basic demographic information about everyone living the household.

RwHHR indicates whether the respondent answered the household demographic questions for the household. A value of 1 for RwHHR indicates that the respondent answered the household demographic questions, while a value of 0 indicates that the respondent did not answer the household demographic questions.

SwHHR indicates whether the current wave's spouse was the household respondent. It is taken from the spouse's values to RwHHR. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used.

RwHHR and SwHHR are set to plain missing (.) for respondents who did not respond to the current wave.

For each household, one eligible ELSA respondent was asked to answer the housing questions for the household. The answers to these household questions were copied to every individual in the household.

RwHOR indicates whether the respondent answered the housing questions for the household. A value of 1 for RwHOR indicates that the respondent answered the housing questions, while a value of 0 indicates that the respondent did not answer the housing questions.

SwHOR indicates whether the current wave's spouse was the housing respondent. It is taken from the spouse's values to RwHOR. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used.

HHwANYHO indicates whether anyone in the household answered the housing questions. A value of 1 for HHwANYHO indicates that there is a housing respondent, while a value of 0 indicates that there is no housing respondent. RwHOR, SwHOR, and HHwANYHO are set to plain missing (.) for respondents who did not respond to the current wave.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, the ELSA does not use a position called family respondent. Instead, the ELSA uses a household and a housing respondent. In the HRS the family respondent answers questions about parents, siblings, children, and grandchildren for both members of the couple if the respondent is coupled. In the ELSA these questions are asked to each individual specifically.

## ELSA Variables Used

### Wave 1 Core:

HHRESP	person number of hh respondent (hh resp=person who answe
HOPID	person who answered ho for household
IAPID	person who answered ia for financial unit
PERID	person id (same as person number in household grid)

### Wave 2 Core:

HHRESP	Person number of household grid (HD) respondent
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HOPID	Person who answered HO for household
IAPID	Person number of person who answered IA
PERSNO	Person number
Wave 3 Core:	
HHRESP	person number of household grid (hd) respondent
HOPID	person who answered ho for household
IAPID	person number of person who answered ia
PERID	person number in the household
Wave 4 Core:	
HHRESP	person number of household grid (hd) respondent
HOPID	person who answered ho for household
IAPID	person number of person who answered ia
PERID	household number (persno)
Wave 5 Core:	
HHRESP	person who answered the Household Grid. (QHD.DhResp)
HOPID	Person who answered HO for household
IAPID	Person number of person who answered IA
PERID	Household Number (PersNo)
Wave 6 Core:	
HHRESP	person who answered the household grid. (qhd.dhresp)
HOPID	person who answered ho for household
IAPID	person number of person who answered ia
PERID	household number (persno)
Wave 7 Core:	
HHRESP	person who answered the household grid. (qhd.dhresp)
HOPID	person who answered ho for household
IAPID	person number of person who answered ia
PERID	person number (persno)
Wave 8 Core:	
HHRESP	person number who answered hh grid
HOPID	computed: person number who answered ho
IAPID	computed: person number who answered ia
PERID	person number in household
Wave 9 Core:	
HHRESP	Person number who answered HH grid
HOPID	Computed: person number who answered HO
IAPID	Computed: person number who answered IA
PERID	Person number in household



### Whether Proxy Interview

Wave	Variable	Label	Type
1	R1PROXY	r1proxy:w1 r whether proxy interview	Categ
2	R2PROXY	r2proxy:w2 r whether proxy interview	Categ
3	R3PROXY	r3proxy:w3 r whether proxy interview	Categ
4	R4PROXY	r4proxy:w4 r whether proxy interview	Categ
5	R5PROXY	r5proxy:w5 r whether proxy interview	Categ
6	R6PROXY	r6proxy:w6 r whether proxy interview	Categ
7	R7PROXY	r7proxy:w7 r whether proxy interview	Categ
8	R8PROXY	r8proxy:w8 r whether proxy interview	Categ
9	R9PROXY	r9proxy:w9 r whether proxy interview	Categ
1	S1PROXY	s1proxy:w1 s whether proxy interview	Categ
2	S2PROXY	s2proxy:w2 s whether proxy interview	Categ
3	S3PROXY	s3proxy:w3 s whether proxy interview	Categ
4	S4PROXY	s4proxy:w4 s whether proxy interview	Categ
5	S5PROXY	s5proxy:w5 s whether proxy interview	Categ
6	S6PROXY	s6proxy:w6 s whether proxy interview	Categ
7	S7PROXY	s7proxy:w7 s whether proxy interview	Categ
8	S8PROXY	s8proxy:w8 s whether proxy interview	Categ
9	S9PROXY	s9proxy:w9 s whether proxy interview	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PROXY	12099	0.01	0.12	0.00	1.00
R2PROXY	9432	0.01	0.11	0.00	1.00
R3PROXY	9766	0.02	0.15	0.00	1.00
R4PROXY	11050	0.04	0.20	0.00	1.00
R5PROXY	10274	0.05	0.22	0.00	1.00
R6PROXY	10601	0.06	0.23	0.00	1.00
R7PROXY	9666	0.06	0.24	0.00	1.00
R8PROXY	8445	0.05	0.23	0.00	1.00
R9PROXY	8736	0.06	0.24	0.00	1.00
S1PROXY	8070	0.02	0.12	0.00	1.00
S2PROXY	6178	0.02	0.12	0.00	1.00
S3PROXY	6384	0.02	0.16	0.00	1.00
S4PROXY	7402	0.04	0.21	0.00	1.00
S5PROXY	6964	0.06	0.24	0.00	1.00
S6PROXY	7242	0.07	0.25	0.00	1.00
S7PROXY	6560	0.07	0.26	0.00	1.00
S8PROXY	5688	0.07	0.25	0.00	1.00
S9PROXY	5820	0.08	0.27	0.00	1.00

### Categorical Variable Codes

Value-----	R1PROXY	R2PROXY	R3PROXY	R4PROXY	R5PROXY
0.not proxy	11924	9307	9534	10604	9737
1.proxy	175	125	232	446	537
Value-----	R6PROXY	R7PROXY	R8PROXY	R9PROXY	
0.not proxy	9987	9069	7982	8191	
1.proxy	614	597	463	545	
Value-----	S1PROXY	S2PROXY	S3PROXY	S4PROXY	S5PROXY
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568

0.not proxy	7948	6083	6226	7069	6546
1.proxy	122	95	158	333	418
Value-----	S6PROXY	S7PROXY	S8PROXY	S9PROXY	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.not proxy	6748	6076	5313	5361	
1.proxy	494	484	375	459	

## How Constructed

RwPROXY is set to 1 if the interview is by proxy in the current wave. It is set to 0 if the respondent did not use a proxy. RwPROXY is set to plain missing (.) for respondents who did not respond to the current wave.

SwPROXY indicates whether the current wave's spouse's interview was conducted by a proxy. It is taken from the spouse's values to RwPROXY. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

Wave 1 Core:	
ASKPX1	whether interviewed by proxy
Wave 2 Core:	
ASKPX1	Whether interviewed by proxy
Wave 3 Core:	
ASKPX	whether respondent had a proxy interview
Wave 4 Core:	
ASKPX	whether respondent had an interview by proxy
Wave 5 Core:	
ASKPX	Whether respondent had an interview by proxy
Wave 6 Core:	
ASKPX	whether respondent had an interview by proxy
Wave 7 Core:	
ASKPX	whether respondent had an interview by proxy
Wave 8 Core:	
ASKPX	computed: whether respondent had an interview by proxy
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy

<b>Interview Dates</b>
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Wave	Variable	Label	Type
1	HH1IWHHM	hh1iwhhm:w1 household interview month	Cont
2	HH2IWHHM	hh2iwhhm:w2 household interview month	Cont
3	HH3IWHHM	hh3iwhhm:w3 household interview month	Cont
4	HH4IWHHM	hh4iwhhm:w4 household interview month	Cont
1	HH1IWHHY	hh1iwhhy:w1 household interview year	Cont
2	HH2IWHHY	hh2iwhhy:w2 household interview year	Cont
3	HH3IWHHY	hh3iwhhy:w3 household interview year	Cont
4	HH4IWHHY	hh4iwhhy:w4 household interview year	Cont
1	HH1IWHHF	hh1iwhhf:w1 household interview date flag	Cont
2	HH2IWHHF	hh2iwhhf:w2 household interview date flag	Cont
3	HH3IWHHF	hh3iwhhf:w3 household interview date flag	Cont
4	HH4IWHHF	hh4iwhhf:w4 household interview date flag	Cont
1	R1IWINDM	r1iwindm:w1 r individual interview month	Cont
2	R2IWINDM	r2iwindm:w2 r individual interview month	Cont
3	R3IWINDM	r3iwindm:w3 r individual interview month	Cont
4	R4IWINDM	r4iwindm:w4 r individual interview month	Cont
5	R5IWINDM	r5iwindm:w5 r individual interview month	Cont
6	R6IWINDM	r6iwindm:w6 r individual interview month	Cont
7	R7IWINDM	r7iwindm:w7 r individual interview month	Cont
8	R8IWINDM	r8iwindm:w8 r individual interview month	Cont
9	R9IWINDM	r9iwindm:w9 r individual interview month	Cont
1	S1IWINDM	s1iwindm:w1 s individual interview month	Cont
2	S2IWINDM	s2iwindm:w2 s individual interview month	Cont
3	S3IWINDM	s3iwindm:w3 s individual interview month	Cont
4	S4IWINDM	s4iwindm:w4 s individual interview month	Cont
5	S5IWINDM	s5iwindm:w5 s individual interview month	Cont
6	S6IWINDM	s6iwindm:w6 s individual interview month	Cont
7	S7IWINDM	s7iwindm:w7 s individual interview month	Cont
8	S8IWINDM	s8iwindm:w8 s individual interview month	Cont
9	S9IWINDM	s9iwindm:w9 s individual interview month	Cont
1	R1IWINDY	r1iwindy:w1 r individual interview year	Cont
2	R2IWINDY	r2iwindy:w2 r individual interview year	Cont
3	R3IWINDY	r3iwindy:w3 r individual interview year	Cont
4	R4IWINDY	r4iwindy:w4 r individual interview year	Cont
5	R5IWINDY	r5iwindy:w5 r individual interview year	Cont
6	R6IWINDY	r6iwindy:w6 r individual interview year	Cont
7	R7IWINDY	r7iwindy:w7 r individual interview year	Cont
8	R8IWINDY	r8iwindy:w8 r individual interview year	Cont
9	R9IWINDY	r9iwindy:w9 r individual interview year	Cont
1	S1IWINDY	s1iwindy:w1 s individual interview year	Cont
2	S2IWINDY	s2iwindy:w2 s individual interview year	Cont
3	S3IWINDY	s3iwindy:w3 s individual interview year	Cont
4	S4IWINDY	s4iwindy:w4 s individual interview year	Cont
5	S5IWINDY	s5iwindy:w5 s individual interview year	Cont
6	S6IWINDY	s6iwindy:w6 s individual interview year	Cont
7	S7IWINDY	s7iwindy:w7 s individual interview year	Cont
8	S8IWINDY	s8iwindy:w8 s individual interview year	Cont
9	S9IWINDY	s9iwindy:w9 s individual interview year	Cont
1	R1IWINDF	r1iwindf:w1 r individual interview date flag	Cont
2	R2IWINDF	r2iwindf:w2 r individual interview date flag	Cont

3	R3IWINDF	r3iwindf:w3	r	individual	interview	date	flag	Cont
4	R4IWINDF	r4iwindf:w4	r	individual	interview	date	flag	Cont
5	R5IWINDF	r5iwindf:w5	r	individual	interview	date	flag	Cont
6	R6IWINDF	r6iwindf:w6	r	individual	interview	date	flag	Cont
7	R7IWINDF	r7iwindf:w7	r	individual	interview	date	flag	Cont
8	R8IWINDF	r8iwindf:w8	r	individual	interview	date	flag	Cont
9	R9IWINDF	r9iwindf:w9	r	individual	interview	date	flag	Cont
1	S1IWINDF	s1iwindf:w1	s	individual	interview	date	flag	Cont
2	S2IWINDF	s2iwindf:w2	s	individual	interview	date	flag	Cont
3	S3IWINDF	s3iwindf:w3	s	individual	interview	date	flag	Cont
4	S4IWINDF	s4iwindf:w4	s	individual	interview	date	flag	Cont
5	S5IWINDF	s5iwindf:w5	s	individual	interview	date	flag	Cont
6	S6IWINDF	s6iwindf:w6	s	individual	interview	date	flag	Cont
7	S7IWINDF	s7iwindf:w7	s	individual	interview	date	flag	Cont
8	S8IWINDF	s8iwindf:w8	s	individual	interview	date	flag	Cont
9	S9IWINDF	s9iwindf:w9	s	individual	interview	date	flag	Cont
2	R2IWNRSM	r2iwnrsm:w2	r	nurse	interview	month		Cont
4	R4IWNRSM	r4iwnrsm:w4	r	nurse	interview	month		Cont
6	R6IWNRSM	r6iwnrsm:w6	r	nurse	interview	month		Cont
8	R8IWNRSM	r8iwnrsm:w8-9	r	nurse	interview	month		Cont
2	S2IWNRSM	s2iwnrsm:w2	s	nurse	interview	month		Cont
4	S4IWNRSM	s4iwnrsm:w4	s	nurse	interview	month		Cont
6	S6IWNRSM	s6iwnrsm:w6	s	nurse	interview	month		Cont
8	S8IWNRSM	s8iwnrsm:w8-9	s	nurse	interview	month		Cont
2	R2IWNRSY	r2iwnrsy:w2	r	nurse	interview	year		Cont
4	R4IWNRSY	r4iwnrsy:w4	r	nurse	interview	year		Cont
6	R6IWNRSY	r6iwnrsy:w6	r	nurse	interview	year		Cont
8	R8IWNRSY	r8iwnrsy:w8-9	r	nurse	interview	year		Cont
2	S2IWNRSY	s2iwnrsy:w2	s	nurse	interview	year		Cont
4	S4IWNRSY	s4iwnrsy:w4	s	nurse	interview	year		Cont
6	S6IWNRSY	s6iwnrsy:w6	s	nurse	interview	year		Cont
8	S8IWNRSY	s8iwnrsy:w8-9	s	nurse	interview	year		Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
HH1IWHHM	12099	6.45	2.88	1.00	12.00
HH2IWHHM	9432	6.28	3.84	1.00	12.00
HH3IWHHM	9766	7.49	3.17	1.00	12.00
HH4IWHHM	11050	6.35	3.53	1.00	12.00
HH1IWHHY	12099	2002.12	0.33	2002.00	2003.00
HH2IWHHY	9432	2004.44	0.50	2004.00	2005.00
HH3IWHHY	9766	2006.17	0.38	2006.00	2007.00
HH4IWHHY	11050	2008.35	0.48	2008.00	2009.00
HH1IWHHF	12099	0.00	0.00	0.00	0.00
HH2IWHHF	9432	0.00	0.00	0.00	0.00
HH3IWHHF	9766	0.00	0.00	0.00	0.00
HH4IWHHF	11050	0.00	0.00	0.00	0.00
R1IWINDM	12099	6.46	2.89	1.00	12.00
R2IWINDM	9432	6.28	3.84	1.00	12.00
R3IWINDM	9766	7.49	3.17	1.00	12.00
R4IWINDM	11050	6.35	3.53	1.00	12.00
R5IWINDM	10274	7.14	3.78	1.00	12.00
R6IWINDM	10601	8.06	3.16	1.00	12.00

R7IWINDM	9666	7.64	3.29	1.00	12.00
R8IWINDM	8445	7.16	3.61	1.00	12.00
R9IWINDM	8736	6.78	3.89	1.00	12.00
S1IWINDM	8070	6.44	2.88	1.00	12.00
S2IWINDM	6178	6.23	3.84	1.00	12.00
S3IWINDM	6384	7.50	3.19	1.00	12.00
S4IWINDM	7402	6.33	3.55	1.00	12.00
S5IWINDM	6964	7.05	3.83	1.00	12.00
S6IWINDM	7242	8.07	3.19	1.00	12.00
S7IWINDM	6560	7.57	3.33	1.00	12.00
S8IWINDM	5688	7.09	3.65	1.00	12.00
S9IWINDM	5820	6.78	3.93	1.00	12.00
R1IWINDY	12099	2002.13	0.33	2002.00	2003.00
R2IWINDY	9432	2004.44	0.50	2004.00	2005.00
R3IWINDY	9766	2006.17	0.38	2006.00	2007.00
R4IWINDY	11050	2008.36	0.48	2008.00	2009.00
R5IWINDY	10274	2010.31	0.46	2010.00	2011.00
R6IWINDY	10601	2012.15	0.35	2012.00	2013.00
R7IWINDY	9666	2014.20	0.40	2014.00	2015.00
R8IWINDY	8445	2016.27	0.45	2016.00	2017.00
R9IWINDY	8736	2018.41	0.49	2018.00	2019.00
S1IWINDY	8070	2002.13	0.33	2002.00	2003.00
S2IWINDY	6178	2004.45	0.50	2004.00	2005.00
S3IWINDY	6384	2006.17	0.38	2006.00	2007.00
S4IWINDY	7402	2008.36	0.48	2008.00	2009.00
S5IWINDY	6964	2010.33	0.47	2010.00	2011.00
S6IWINDY	7242	2012.15	0.36	2012.00	2013.00
S7IWINDY	6560	2014.21	0.41	2014.00	2015.00
S8IWINDY	5688	2016.29	0.45	2016.00	2017.00
S9IWINDY	5820	2018.41	0.49	2018.00	2019.00
R1IWINDF	12099	0.00	0.00	0.00	0.00
R2IWINDF	9432	0.00	0.00	0.00	0.00
R3IWINDF	9766	0.00	0.00	0.00	0.00
R4IWINDF	11050	0.00	0.00	0.00	0.00
R5IWINDF	10274	0.00	0.00	0.00	0.00
R6IWINDF	10601	0.00	0.00	0.00	0.00
R7IWINDF	9666	0.00	0.00	0.00	0.00
R8IWINDF	8445	0.00	0.00	0.00	0.00
R9IWINDF	8736	0.00	0.00	0.00	0.00
S1IWINDF	8070	0.00	0.00	0.00	0.00
S2IWINDF	6178	0.00	0.00	0.00	0.00
S3IWINDF	6384	0.00	0.00	0.00	0.00
S4IWINDF	7402	0.00	0.00	0.00	0.00
S5IWINDF	6964	0.00	0.00	0.00	0.00
S6IWINDF	7242	0.00	0.00	0.00	0.00
S7IWINDF	6560	0.00	0.00	0.00	0.00
S8IWINDF	5688	0.00	0.00	0.00	0.00
S9IWINDF	5820	0.00	0.00	0.00	0.00
R2IWNRSM	7666	6.14	3.65	1.00	12.00
R4IWNRSM	8643	5.94	3.28	1.00	12.00
R6IWNRSM	8054	7.56	3.62	1.00	12.00
R8IWNRSM	6595	6.53	3.73	1.00	12.00
S2IWNRSM	4922	6.14	3.67	1.00	12.00
S4IWNRSM	5746	5.96	3.32	1.00	12.00
S6IWNRSM	5321	7.53	3.67	1.00	12.00
S8IWNRSM	3726	6.58	3.75	1.00	12.00

R2IWNRSY	7666	2004.55	0.50	2004.00	2005.00
R4IWNRSY	8643	2008.53	0.50	2008.00	2009.00
R6IWNRSY	8054	2012.26	0.44	2012.00	2013.00
R8IWNRSY	6595	2017.39	1.16	2016.00	2019.00
S2IWNRSY	4922	2004.56	0.50	2004.00	2005.00
S4IWNRSY	5746	2008.53	0.50	2008.00	2009.00
S6IWNRSY	5321	2012.27	0.45	2012.00	2013.00
S8IWNRSY	3726	2017.18	1.12	2016.00	2019.00

## Categorical Variable Codes

Value-----	HH1IWHHF	HH2IWHHF	HH3IWHHF	HH4IWHHF	
0.m/y ok	12099	9432	9766	11050	
Value-----	R1IWINDF	R2IWINDF	R3IWINDF	R4IWINDF	R5IWINDF
0.m/y ok	12099	9432	9766	11050	10274
Value-----	R6IWINDF	R7IWINDF	R8IWINDF	R9IWINDF	
0.m/y ok	10601	9666	8445	8736	
Value-----	S1IWINDF	S2IWINDF	S3IWINDF	S4IWINDF	S5IWINDF
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.m/y ok	8070	6178	6384	7402	6964
Value-----	S6IWINDF	S7IWINDF	S8IWINDF	S9IWINDF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.m/y ok	7242	6560	5688	5820	

## How Constructed

HHwIWHHM and HHwIWHHY indicate the household interview month and year, respectively. HHwIWHHF is a flag variable which flags household interview dates when they are missing either month or year information. A code of 0 indicates that both month and year information was correct. A code of 1 indicates that the interview month was not available. A code of 2 indicates that the interview year was missing, possibly in addition to a missing interview month. HHwIWHHM, HHwIWHHY, and HHwIWHHF are set to plain missing (.) for respondents who did not respond to the current wave.

RwIWINDM and RwIWINDY indicate the household interview month and year, respectively. RwIWINDF is a flag variable which flags interview dates when they are missing either month or year information. A code of 0 indicates that both month and year information was correct. A code of 1 indicates that the interview month was not available. A code of 2 indicates that the interview year was missing, possibly in addition to a missing interview month. RwIWINDM, RwIWINDY, and RwIWINDF are set to plain missing (.) for respondents who did not respond to the current wave.

SwIWINDM, SwIWINDY, and SwIWINDF indicate the current wave's spouse's individual interview month, year, and interview flag, respectively. They are taken from the spouse's values to RwIWINDM, RwIWINDY, and RwIWINDF, respectively. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used.

RwIWNRSY and RwIWNRSY indicate the interview month and year, respectively, of the respondent's nurse interview. Nurse interviews took place in Waves 2, 4, 6, 8 and 9. Please note that R8IWNRSY and R8IWNRSY indicate the month and year the respondent participated in the nurse interviews in Wave 8 or Wave 9, as these samples were split across the two waves but are intended to be analyzed together. R8IWNRSY can be used to indicate whether the nurse interview took place in Wave 8 (2016-2017) or in Wave 9 (2018-2019). RwIWNRSY and RwIWNRSY are set to plain missing (.) for respondents who did not respond to the current wave.

SwIWNRSY and SwIWNRSY indicate the current wave's spouse's nurse interview month and year, respectively. They are taken from the spouse's values to RwIWNRSY and RwIWNRSY, respectively. If the respondent is not

designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used.

## Cross Wave Differences in ELSA

The date of household interview, month of household interview and year of household interview are not available starting in wave 5 in the raw data files.

Nurse interviews took place in Waves 2, 4, 6, 8 and 9. The nurse interviews in Waves 2, 4, and 6 were conducted using the full sample of respondents. The nurse interviews in Waves 8 and 9 were conducted using half the sample of respondents and are intended to be analyzed together.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA does not mark interviews with beginning and end dates. Instead, ELSA provides one interview date for the household interview and one interview date for the individual interview. ELSA provides interview date information down to the year and month. Because ELSA does not provide beginning or ending dates, there are no midpoint calculations provided here, unlike in the RAND HRS.

## ELSA Variables Used

Wave 1 Core:	
IINTDTM	month of individual interview: month of date: today~s da
IINTDTY	year of individual interview: year of date: today~s date
INTDATM	month of household interview
INTDATY	year of household interview
Wave 2 Core:	
IINTDTM	Month of Individual Interview
IINTDTY	Year of Individual Interview
INTDATM	Month of Household Interview
INTDATY	Year of Household Interview
Wave 2 Nurse:	
VISMOM	month of nurse visit
VISYEAR	year of nurse visit
Wave 3 Core:	
IINTDATM	month of individual interview
IINTDATY	year of individual interview
INTDATM	month of household interview
INTDATY	year of household interview
Wave 4 Core:	
IINTDATM	month of individual interview
IINTDATY	year of individual interview
INTDATM	month of household interview
INTDATY	year of household interview
Wave 4 Nurse:	
VISMOM	month of nurse visit
VISYEAR	year of nurse visit
Wave 5 Core:	
IINTDATM	Month of Individual Interview
IINTDATY	Year of Individual Interview
Wave 6 Core:	
IINTDATM	month of individual interview
IINTDATY	year of individual interview
Wave 6 Nurse:	
VISMOM	month of nurse visit
VISYEAR	year of nurse visit
Wave 7 Core:	
IINTDATM	month of individual interview
IINTDATY	year of individual interview
Wave 8 Core:	
IINTDATM	interview month

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IINTDATY	interview year
Wave 8 & 9 Nurse:	
VISMON	Nurse interview month
VISYEAR	Nurse interview year
Wave 9 Core:	
IINTDATM	Interview month
IINTDATY	Interview year



**Birth Date: Year**

Wave	Variable	Label	Type
1	RABYEAR	rabyear: r birth year	Cont
1	S1BYEAR	s1byear:w1 s birth year	Cont
2	S2BYEAR	s2byear:w2 s birth year	Cont
3	S3BYEAR	s3byear:w3 s birth year	Cont
4	S4BYEAR	s4byear:w4 s birth year	Cont
5	S5BYEAR	s5byear:w5 s birth year	Cont
6	S6BYEAR	s6byear:w6 s birth year	Cont
7	S7BYEAR	s7byear:w7 s birth year	Cont
8	S8BYEAR	s8byear:w8 s birth year	Cont
9	S9BYEAR	s9byear:w9 s birth year	Cont
1	RAFBYEAR	rafbyear: r flag birth year bottom-coded	Cont
1	S1FBYEAR	s1fbyear:w1 s flag birth year bottom-coded	Cont
2	S2FBYEAR	s2fbyear:w2 s flag birth year bottom-coded	Cont
3	S3FBYEAR	s3fbyear:w3 s flag birth year bottom-coded	Cont
4	S4FBYEAR	s4fbyear:w4 s flag birth year bottom-coded	Cont
5	S5FBYEAR	s5fbyear:w5 s flag birth year bottom-coded	Cont
6	S6FBYEAR	s6fbyear:w6 s flag birth year bottom-coded	Cont
7	S7FBYEAR	s7fbyear:w7 s flag birth year bottom-coded	Cont
8	S8FBYEAR	s8fbyear:w8 s flag birth year bottom-coded	Cont
9	S9FBYEAR	s9fbyear:w9 s flag birth year bottom-coded	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
RABYEAR	19801	1944.06	13.20	1908.00	1988.00
S1BYEAR	8070	1939.68	10.00	1912.00	1981.00
S2BYEAR	6178	1940.38	9.66	1912.00	1987.00
S3BYEAR	6383	1943.62	10.13	1912.00	1987.00
S4BYEAR	7402	1944.58	9.38	1912.00	1984.00
S5BYEAR	6964	1945.08	8.96	1915.00	1984.00
S6BYEAR	7242	1947.07	9.33	1915.00	1984.00
S7BYEAR	6560	1948.14	9.45	1915.00	1985.00
S8BYEAR	5688	1948.55	8.90	1915.00	1985.00
S9BYEAR	5820	1951.49	10.07	1921.00	1988.00
RAFBYEAR	19801	0.00	0.08	0.00	7.00
S1FBYEAR	8070	0.00	0.04	0.00	1.00
S2FBYEAR	6178	0.00	0.03	0.00	1.00
S3FBYEAR	6383	0.00	0.02	0.00	1.00
S4FBYEAR	7402	0.00	0.00	0.00	0.00
S5FBYEAR	6964	0.00	0.00	0.00	0.00
S6FBYEAR	7242	0.00	0.00	0.00	0.00
S7FBYEAR	6560	0.00	0.09	0.00	7.00
S8FBYEAR	5688	0.00	0.00	0.00	0.00
S9FBYEAR	5820	0.00	0.00	0.00	0.00

**Categorical Variable Codes**

Value-----	RAFBYEAR
.d:DK	1

0. =year	19708				
1. =1912 if 90 or older at	92				
7. =1924 if 90 or older at	1				
Value-----	S1FBYEAR	S2FBYEAR	S3FBYEAR	S4FBYEAR	S5FBYEAR
.d:DK			1		
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0. =year	8060	6172	6381	7402	6964
1. =1912 if 90 or older at	10	6	2		
Value-----	S6FBYEAR	S7FBYEAR	S8FBYEAR	S9FBYEAR	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0. =year	7242	6559	5688	5820	
7. =1924 if 90 or older at		1			

## How Constructed

RABYEAR is the respondent's reported birth year. ELSA does not provide birth year information for individuals 90 years old or older at any given survey. If birth year is first available in ELSA Wave 1 data, respondents born on or before 02/29/1912 have a value of 1912 in RABYEAR. If birth year is first available in ELSA Wave 2 data, respondents born on or before 02/29/1914 have a value of 1914 in RABYEAR. If birth year is first available in ELSA Wave 3 data, respondents born on or before 02/29/1916 have a value of 1916 in RABYEAR. If birth year is first available in ELSA Wave 4 data, respondents born on or before 02/29/1918 have a value of 1918 in RABYEAR. If birth year is first available in ELSA Wave 5 data, respondents born on or before 02/29/1920 have a value of 1920 in RABYEAR. If birth year is first available in ELSA Wave 6 data, respondents born on or before 02/29/1922 have a value of 1922 in RABYEAR. If birth year is first available in ELSA Wave 7 data, respondents born on or before 02/29/1924 have a value of 1924 in RABYEAR. If birth year is first available in ELSA Wave 8 data, respondents born on or before 02/29/1926 have a value of 1926 in RABYEAR. Don't know responses are assigned special missing .d. If birth year is first available in ELSA Wave 9 data, respondents born on or before 02/29/1928 have a value of 1928 in RABYEAR. Don't know responses are assigned special missing .d.

RAFYEAR is a flag indicating whether or not the respondent's age in RABYEAR is bottom-coded. A code of 0 indicates that the respondent's value in RABYEAR represents the respondent's reported birth year. A code of 1 indicates that the respondent's value in RABYEAR is a bottom-coded value of 1912 because the respondent was born on or before 02/29/1912. A code of 2 indicates that the respondent's value in RABYEAR is a bottom-coded value of 1914 because the respondent was born on or before 02/29/1914. A code of 3 indicates that the respondent's value in RABYEAR is a bottom-coded value of 1916 because the respondent was born on or before 02/29/1916. A code of 4 indicates that the respondent's value in RABYEAR is a bottom-coded value of 1918 because the respondent was born on or before 02/29/1918. A code of 5 indicates that the respondent's value in RABYEAR is a bottom-coded value of 1920 because the respondent was born on or before 02/29/1920. A code of 6 indicates that the respondent's value in RABYEAR is a bottom-coded value of 1922 because the respondent was born on or before 02/29/1922. A code of 7 indicates that the respondent's value in RABYEAR is a bottom-coded value of 1924 because the respondent was born on or before 02/29/1924. A code of 8 indicates that the respondent's value in RABYEAR is a bottom-coded value of 1926 because the respondent was born on or before 02/29/1926. A code of 9 indicates that the respondent's value in RABYEAR is a bottom-coded value of 1928 because the respondent was born on or before 02/29/1928. A code of 10 indicates that the respondent's value in RABYEAR is a bottom-coded value of 1916 if the respondent is 99 or older as of 2013. Don't know responses are assigned special missing .d.

SwBYEAR is the current wave's spouse's birth year. It is taken from the spouse's values to RABYEAR. SwFBYEAR is a flag indicating whether or not the respondent's spouse's age in SwBYEAR is bottom-coded. It is taken from the spouse's values to RAFYEAR. For these spouse variables, if the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used.

## Cross Wave Differences in ELSA

Although the wording of birth year questions do not change between waves of ELSA, the birth year data provided by ELSA does. In the Index file, birth year is top-coded if the respondent is aged 99 or older

as of 2013. In the core files for each wave, birth year is top-coded for those respondents aged 90 or over at the time of the interview. RABYEAR is based on the birth year provided by whichever file provides the earliest non-top-coded birth year. These cases can be identified using the flag variable RAFBYEAR.

Wave 6, 7, 8 and 9 respondents are not currently included in the Index file, so the values are taken from the corresponding wave's core data file.

### Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA does not give birthdate information beyond the birth year. Because ELSA does not give birth date information beyond the birth year there is no reason to calculate birthdate from anything other than the respondent's birth year. Also unlike the HRS, ELSA does not provide birth year information for individuals aged 90 or older at the time of time survey.

### ELSA Variables Used

Index File:	
DOBYEAR	year of birth, collapsed for those aged 99 or over
Wave 1 Core:	
INDOBYR	year of birth combined hh grid and individual demographi
Wave 2 Core:	
INDOBYR	Definitive year of birth collapsed at 90 plus. Priority:
Wave 3 Core:	
INDOBYR	definitive year of birth collapsed at 90 plus. priority:
Wave 4 Core:	
INDOBYR	definitive year of birth collapsed at 90 plus. priority:
Wave 5 Core:	
INDOBYR	Definitive year of birth collapsed at 90 plus. Priority:
Wave 6 Core:	
INDOBYR	definitive year of birth collapsed at 90 plus
Wave 7 Core:	
INDOBYR	definitive year of birth collapsed at 90 plus
Wave 8 Core:	
INDOBYR	(d) definitive year of birth collapsed at 90+
Wave 9 Core:	
INDOBYR	(D) Definitive year of birth collapsed at 90+

**Death Date: Year**

Wave	Variable	Label	Type
1	RADYEAR	radyear: r death year	Cont
1	S1DYEAR	s1dyear:w1 s death year	Cont
2	S2DYEAR	s2dyear:w2 s death year	Cont
3	S3DYEAR	s3dyear:w3 s death year	Cont
4	S4DYEAR	s4dyear:w4 s death year	Cont
5	S5DYEAR	s5dyear:w5 s death year	Cont
6	S6DYEAR	s6dyear:w6 s death year	Cont
7	S7DYEAR	s7dyear:w7 s death year	Cont
8	S8DYEAR	s8dyear:w8 s death year	Cont
9	S9DYEAR	s9dyear:w9 s death year	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
RADYEAR	849	2007.07	2.58	2000.00	2012.00
S1DYEAR	478	2007.33	2.51	2000.00	2012.00
S2DYEAR	363	2007.77	2.20	2000.00	2012.00
S3DYEAR	220	2008.91	1.75	2000.00	2012.00
S4DYEAR	123	2010.05	1.45	2000.00	2012.00
S5DYEAR	31	2011.42	0.62	2010.00	2012.00
S6DYEAR	0	.	.	.	.
S7DYEAR	0	.	.	.	.
S8DYEAR	0	.	.	.	.
S9DYEAR	0	.	.	.	.

**How Constructed**

RADYEAR is the respondent's reported death year. In waves 1-5, RADYEAR is derived from individual wave specific outcomes in the ELSA Index file. In Wave 6, RADYEAR is derived from the Wave 6 End of Life Archive. If there is no death date information available, a missing code of .X is assigned to RADYEAR, as is the case starting in Wave 7.

SwDYEAR is the current wave's spouse's death year. It is taken from the spouse's values to RADYEAR. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

Please note that the 35th edition of ELSA removed the death year information from the Index file, and so death year information now only includes death years as reported in the end of life interviews. As a result of this change, RADYEAR in this version of the Harmonized ELSA has a smaller number of observations than it has in previous versions.

**Cross Wave Differences in ELSA**

While the respondent's reported death year is derived from the ELSA Index file in Waves 1-5, death year is unavailable for Wave 6 in the Index file. For Wave 6, death year is derived from the Wave 6 End of Life Archive. The end of life data is not yet available for Waves 7, 8 and 9.

**Differences with the RAND HRS/Harmonized HRS**

While the RAND HRS provides death date, month, and year for the respondent, ELSA only provides the respondent's death year.

**ELSA Variables Used**

## Index File:

YRDEATH            year of death - updated feb 2012

## Wave 2 End of Life:

EIDATEY            Year of death

## Wave 3 End of Life:

EIDATEY            Year of death

## Wave 4 End of Life:

EIDATEY            Year of death

## Wave 6 End of Life:

EIDATEY            year of death

<b>Age at Interview (In Years)</b>
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Wave	Variable	Label	Type
1	R1AGEY	r1agey:w1 r age (years) at ivw	Cont
2	R2AGEY	r2agey:w2 r age (years) at ivw	Cont
3	R3AGEY	r3agey:w3 r age (years) at ivw	Cont
4	R4AGEY	r4agey:w4 r age (years) at ivw	Cont
5	R5AGEY	r5agey:w5 r age (years) at ivw	Cont
6	R6AGEY	r6agey:w6 r age (years) at ivw	Cont
7	R7AGEY	r7agey:w7 r age (years) at ivw	Cont
8	R8AGEY	r8agey:w8 r age (years) at ivw	Cont
9	R9AGEY	r9agey:w9 r age (years) at ivw	Cont
1	S1AGEY	s1agey:w1 s age (years) at ivw	Cont
2	S2AGEY	s2agey:w2 s age (years) at ivw	Cont
3	S3AGEY	s3agey:w3 s age (years) at ivw	Cont
4	S4AGEY	s4agey:w4 s age (years) at ivw	Cont
5	S5AGEY	s5agey:w5 s age (years) at ivw	Cont
6	S6AGEY	s6agey:w6 s age (years) at ivw	Cont
7	S7AGEY	s7agey:w7 s age (years) at ivw	Cont
8	S8AGEY	s8agey:w8 s age (years) at ivw	Cont
9	S9AGEY	s9agey:w9 s age (years) at ivw	Cont
1	R1FAGEY	r1fagey:w1 r flag age at iwv top-coded	Cont
2	R2FAGEY	r2fagey:w2 r flag age at iwv top-coded	Cont
3	R3FAGEY	r3fagey:w3 r flag age at iwv top-coded	Cont
4	R4FAGEY	r4fagey:w4 r flag age at iwv top-coded	Cont
5	R5FAGEY	r5fagey:w5 r flag age at iwv top-coded	Cont
6	R6FAGEY	r6fagey:w6 r flag age at iwv top-coded	Cont
7	R7FAGEY	r7fagey:w7 r flag age at iwv top-coded	Cont
8	R8FAGEY	r8fagey:w8 r flag age at iwv top-coded	Cont
9	R9FAGEY	r9fagey:w9 r flag age at iwv top-coded	Cont
1	S1FAGEY	s1fagey:w1 s flag age at iwv top-coded	Cont
2	S2FAGEY	s2fagey:w2 s flag age at iwv top-coded	Cont
3	S3FAGEY	s3fagey:w3 s flag age at iwv top-coded	Cont
4	S4FAGEY	s4fagey:w4 s flag age at iwv top-coded	Cont
5	S5FAGEY	s5fagey:w5 s flag age at iwv top-coded	Cont
6	S6FAGEY	s6fagey:w6 s flag age at iwv top-coded	Cont
7	S7FAGEY	s7fagey:w7 s flag age at iwv top-coded	Cont
8	S8FAGEY	s8fagey:w8 s flag age at iwv top-coded	Cont
9	S9FAGEY	s9fagey:w9 s flag age at iwv top-coded	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1AGEY	12099	64.12	10.90	20.00	90.00
R2AGEY	9432	65.69	10.47	17.00	90.00
R3AGEY	9765	64.46	11.15	19.00	90.00
R4AGEY	11050	65.13	10.24	24.00	90.00
R5AGEY	10274	66.68	9.86	26.00	90.00
R6AGEY	10601	66.48	10.20	28.00	90.00
R7AGEY	9666	67.30	10.15	29.00	90.00
R8AGEY	8445	68.85	9.58	31.00	90.00
R9AGEY	8736	67.82	10.68	30.00	90.00
S1AGEY	8070	61.96	9.98	20.00	90.00
S2AGEY	6178	63.56	9.62	17.00	90.00
S3AGEY	6383	62.16	10.08	19.00	90.00

S4AGEY	7402	63.28	9.32	24.00	90.00
S5AGEY	6964	64.82	8.92	26.00	90.00
S6AGEY	7242	64.73	9.29	28.00	90.00
S7AGEY	6560	65.68	9.40	29.00	90.00
S8AGEY	5688	67.29	8.84	31.00	90.00
S9AGEY	5820	66.45	10.03	30.00	90.00
R1FAGEY	12099	0.01	0.09	0.00	1.00
R2FAGEY	9432	0.01	0.11	0.00	1.00
R3FAGEY	9765	0.01	0.11	0.00	1.00
R4FAGEY	11050	0.01	0.11	0.00	1.00
R5FAGEY	10274	0.02	0.13	0.00	1.00
R6FAGEY	10601	0.02	0.14	0.00	1.00
R7FAGEY	9666	0.02	0.14	0.00	1.00
R8FAGEY	8445	0.02	0.14	0.00	1.00
R9FAGEY	8736	0.01	0.12	0.00	1.00
S1FAGEY	8070	0.00	0.04	0.00	1.00
S2FAGEY	6178	0.00	0.06	0.00	1.00
S3FAGEY	6383	0.00	0.05	0.00	1.00
S4FAGEY	7402	0.00	0.06	0.00	1.00
S5FAGEY	6964	0.00	0.05	0.00	1.00
S6FAGEY	7242	0.00	0.06	0.00	1.00
S7FAGEY	6560	0.01	0.07	0.00	1.00
S8FAGEY	5688	0.01	0.07	0.00	1.00
S9FAGEY	5820	0.00	0.06	0.00	1.00

## Categorical Variable Codes

Value-----	R1FAGEY	R2FAGEY	R3FAGEY	R4FAGEY	R5FAGEY
.d:DK			1		
0. =age	12004	9323	9649	10913	10098
1. =90, age>=90	95	109	116	137	176
Value-----	R6FAGEY	R7FAGEY	R8FAGEY	R9FAGEY	
0. =age	10394	9473	8272	8608	
1. =90, age>=90	207	193	173	128	
Value-----	S1FAGEY	S2FAGEY	S3FAGEY	S4FAGEY	S5FAGEY
.d:DK			1		
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0. =age	8060	6155	6369	7378	6945
1. =90, age>=90	10	23	14	24	19
Value-----	S6FAGEY	S7FAGEY	S8FAGEY	S9FAGEY	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0. =age	7219	6523	5659	5798	
1. =90, age>=90	23	37	29	22	

## How Constructed

RwAGEY is the respondent's age in years at the time of the current wave's interview. Respondent's age is provided directly by ELSA in the Core files. Respondent's age is top-coded at 90 years old. All respondents who report an age of 90 or older have a value of 90 in RwAGEY. When respondents don't know their age a special value of .d is assigned to RwAGEY.

RwFAGEY is a flag indicating whether or not the respondent's age in RwAGEY is top-coded at 90. A code of 0 indicates that the respondent's value in RwAGEY represents the respondent's reported age. A code of 1 indicates that the respondent's value in RwAGEY is a top-coded value of 90 because the respondent reported an age of 90 or older. When respondents don't know their age a special value of .d is assigned to RwFAGEY.

SwAGEY is the current wave's spouse's age in years at the time of the current wave's interview. SwAGEY is taken from the spouse's value to RwAGEY. SwFAGEY is a flag indicating whether or not the respondent's spouse's age in SwAGEY is top-coded at 90. SwFAGEY is taken from the spouse's value to RwFAGEY. For these spouse variables, if the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA does not mark interviews with beginning and end dates. Instead, ELSA provides one interview date for the individual interview. Because ELSA does not provide beginning or ending dates, there are no midpoint calculations provided here, unlike the RAND HRS.

Also unlike the HRS, ELSA top-codes respondent's age at 90, so all respondent's with age 90 or older are coded as 90. Refer to RwFAGEY to identify cases where a respondent's age has been top-coded.

## ELSA Variables Used

Wave 1 Core:	
INDAGER	age variable combined info from hh grid and individual d
Wave 2 Core:	
INDAGER	Definitive age variable collapsed at 90 plus. Priority:
Wave 3 Core:	
INDAGER	definitive age variable collapsed at 90 plus. priority:
Wave 4 Core:	
INDAGER	definitive age variable collapsed at 90 plus. priority:
Wave 5 Core:	
INDAGER	Definitive age variable collapsed at 90+ to avoid disclo
Wave 6 Core:	
INDAGER	definitive age variable collapsed at 90+ to avoid disclo
Wave 7 Core:	
INDAGER	definitive age variable collapsed at 90+ to avoid disclo
Wave 8 Core:	
INDAGER	(d) definitive age variable collapsed at 90+: priority d
Wave 9 Core:	
INDAGER	(D) Definitive age variable collapsed at 90+: priority d



**Gender**

Wave	Variable	Label	Type
1	RAGENDER	ragender: r gender	Categ
1	S1GENDER	s1gender:w1 s gender	Categ
2	S2GENDER	s2gender:w2 s gender	Categ
3	S3GENDER	s3gender:w3 s gender	Categ
4	S4GENDER	s4gender:w4 s gender	Categ
5	S5GENDER	s5gender:w5 s gender	Categ
6	S6GENDER	s6gender:w6 s gender	Categ
7	S7GENDER	s7gender:w7 s gender	Categ
8	S8GENDER	s8gender:w8 s gender	Categ
9	S9GENDER	s9gender:w9 s gender	Categ
1	RAFGENDR	rafgendr: flag if problem with r gender	Categ
1	S1FGENDR	s1fgendr:w1 flag if problem with s gender	Categ
2	S2FGENDR	s2fgendr:w2 flag if problem with s gender	Categ
3	S3FGENDR	s3fgendr:w3 flag if problem with s gender	Categ
4	S4FGENDR	s4fgendr:w4 flag if problem with s gender	Categ
5	S5FGENDR	s5fgendr:w5 flag if problem with s gender	Categ
6	S6FGENDR	s6fgendr:w6 flag if problem with s gender	Categ
7	S7FGENDR	s7fgendr:w7 flag if problem with s gender	Categ
8	S8FGENDR	s8fgendr:w8 flag if problem with s gender	Categ
9	S9FGENDR	s9fgendr:w9 flag if problem with s gender	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
RAGENDER	19802	1.54	0.50	1.00	2.00
S1GENDER	8070	1.50	0.50	1.00	2.00
S2GENDER	6178	1.50	0.50	1.00	2.00
S3GENDER	6384	1.50	0.50	1.00	2.00
S4GENDER	7402	1.50	0.50	1.00	2.00
S5GENDER	6964	1.50	0.50	1.00	2.00
S6GENDER	7242	1.50	0.50	1.00	2.00
S7GENDER	6560	1.50	0.50	1.00	2.00
S8GENDER	5688	1.50	0.50	1.00	2.00
S9GENDER	5820	1.50	0.50	1.00	2.00
RAFGENDR	19802	0.00	0.02	0.00	1.00
S1FGENDR	8070	0.00	0.00	0.00	0.00
S2FGENDR	6178	0.00	0.01	0.00	1.00
S3FGENDR	6384	0.00	0.01	0.00	1.00
S4FGENDR	7402	0.00	0.01	0.00	1.00
S5FGENDR	6964	0.00	0.01	0.00	1.00
S6FGENDR	7242	0.00	0.01	0.00	1.00
S7FGENDR	6560	0.00	0.01	0.00	1.00
S8FGENDR	5688	0.00	0.02	0.00	1.00
S9FGENDR	5820	0.00	0.03	0.00	1.00

**Categorical Variable Codes**

Value	Label
1.man	RAGENDER 9012

2.woman	10790					
Value-----	S1GENDER	S2GENDER	S3GENDER	S4GENDER	S5GENDER	
.u:Unmar	3561	2671	2706	2932	2742	
.v:SP NR	468	583	676	716	568	
1.man	4035	3090	3190	3695	3477	
2.woman	4035	3088	3194	3707	3487	
Value-----	S6GENDER	S7GENDER	S8GENDER	S9GENDER		
.u:Unmar	2802	2548	2255	2286		
.v:SP NR	557	558	502	630		
1.man	3613	3271	2832	2900		
2.woman	3629	3289	2856	2920		
Value-----	RAFGENDR					
0.no gender problem	19795					
1.gender prob, used first	7					
Value-----	S1FGENDR	S2FGENDR	S3FGENDR	S4FGENDR	S5FGENDR	
.u:Unmar	3561	2671	2706	2932	2742	
.v:SP NR	468	583	676	716	568	
0.no gender problem	8070	6177	6383	7401	6963	
1.gender prob, used first		1	1	1	1	
Value-----	S6FGENDR	S7FGENDR	S8FGENDR	S9FGENDR		
.u:Unmar	2802	2548	2255	2286		
.v:SP NR	557	558	502	630		
0.no gender problem	7241	6559	5686	5816		
1.gender prob, used first	1	1	2	4		

## How Constructed

Gender was derived by looking at reports from all waves of data. RAGENDER is set to 1 for men and 2 for women. The first non-missing gender was always used.

There are cases where gender changed from year to year. These cases are flagged by RAFGENDR where a code of 0 indicates that gender remained the same over all reports of non-missing gender and a code of 1 indicates that gender changed between non-missing reports of gender at least once, in which case the first reported gender is included in RAGENDER.

RAGENDER and RAFGENDR are set to plain missing (.) for respondents who did not provide gender information in any wave.

SwGENDER indicates the current wave's spouse's gender. It is taken from the spouse's reported values to RAGENDER. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used.

SwFGENDR flags the current wave's spouse's gender. It is taken from the spouse's values to RAFGENDR. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

Wave 1 Core:

INDSEX                    sex - priority: disex, dhsex

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Wave 2 Core:	
INDSEX	Definitive sex variable. Priority: Disex, Dhsex
Wave 3 Core:	
INDSEX	definitive sex variable. priority: disex, dhsex
Wave 4 Core:	
INDSEX	definitive sex variable. priority: disex, dhsex
Wave 5 Core:	
INDSEX	Definitive sex variable
Wave 6 Core:	
INDSEX	definitive sex variable: priority disex, dhsex
Wave 7 Core:	
INDSEX	definitive sex variable: priority disex, dhsex
Wave 8 Core:	
INDSEX	(d) definitive sex variable: priority disex, dhsex
Wave 9 Core:	
INDSEX	(D) Definitive sex variable: priority disex, dhsex

**Race**

Wave	Variable	Label	Type
1	RARACEM	raracem: r race - masked	Categ
1	S1RACEM	s1racem:w1 s race - masked	Categ
2	S2RACEM	s2racem:w2 s race - masked	Categ
3	S3RACEM	s3racem:w3 s race - masked	Categ
4	S4RACEM	s4racem:w4 s race - masked	Categ
5	S5RACEM	s5racem:w5 s race - masked	Categ
6	S6RACEM	s6racem:w6 s race - masked	Categ
7	S7RACEM	s7racem:w7 s race - masked	Categ
8	S8RACEM	s8racem:w8 s race - masked	Categ
9	S9RACEM	s9racem:w9 s race - masked	Categ
1	RARACEF	raracef: flag if problem with r race	Categ
1	S1RACEF	s1racef:w1 flag if problem with s race	Categ
2	S2RACEF	s2racef:w2 flag if problem with s race	Categ
3	S3RACEF	s3racef:w3 flag if problem with s race	Categ
4	S4RACEF	s4racef:w4 flag if problem with s race	Categ
5	S5RACEF	s5racef:w5 flag if problem with s race	Categ
6	S6RACEF	s6racef:w6 flag if problem with s race	Categ
7	S7RACEF	s7racef:w7 flag if problem with s race	Categ
8	S8RACEF	s8racef:w8 flag if problem with s race	Categ
9	S9RACEF	s9racef:w9 flag if problem with s race	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
RARACEM	19769	1.14	0.62	1.00	4.00
S1RACEM	8054	1.08	0.49	1.00	4.00
S2RACEM	6173	1.06	0.42	1.00	4.00
S3RACEM	6381	1.09	0.50	1.00	4.00
S4RACEM	7394	1.10	0.54	1.00	4.00
S5RACEM	6959	1.10	0.55	1.00	4.00
S6RACEM	7240	1.12	0.58	1.00	4.00
S7RACEM	6554	1.12	0.59	1.00	4.00
S8RACEM	5688	1.11	0.56	1.00	4.00
S9RACEM	5815	1.14	0.64	1.00	4.00
RARACEF	19766	0.00	0.04	0.00	1.00
S1RACEF	8070	0.00	0.00	0.00	0.00
S2RACEF	6171	0.00	0.04	0.00	1.00
S3RACEF	6379	0.00	0.04	0.00	1.00
S4RACEF	7390	0.00	0.05	0.00	1.00
S5RACEF	6959	0.00	0.05	0.00	1.00
S6RACEF	7240	0.00	0.04	0.00	1.00
S7RACEF	6554	0.00	0.04	0.00	1.00
S8RACEF	5688	0.00	0.05	0.00	1.00
S9RACEF	5815	0.00	0.04	0.00	1.00

**Categorical Variable Codes**

Value	RARACEM
.d:DK	4

.m:Missing	15				
.r:Refuse	14				
1.white	18879				
4.non-white	890				
Value-----	S1RACEM	S2RACEM	S3RACEM	S4RACEM	S5RACEM
.d:DK					2
.m:Missing	13	4	2		
.r:Refuse	3	1	1	8	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.white	7835	6049	6196	7144	6717
4.non-white	219	124	185	250	242
Value-----	S6RACEM	S7RACEM	S8RACEM	S9RACEM	
.d:DK		2			
.m:Missing	1			3	
.r:Refuse	1	4		2	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.white	6959	6291	5479	5538	
4.non-white	281	263	209	277	
Value-----	RARACEF				
.m:Missing	36				
0.no race problem	19730				
1.race prob, used first	36				
Value-----	S1RACEF	S2RACEF	S3RACEF	S4RACEF	S5RACEF
.m:Missing		7	5	12	5
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no race problem	8070	6161	6367	7373	6943
1.race prob, used first		10	12	17	16
Value-----	S6RACEF	S7RACEF	S8RACEF	S9RACEF	
.m:Missing	2	6		5	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no race problem	7226	6541	5674	5804	
1.race prob, used first	14	13	14	11	

## How Constructed

Race is assigned by looking at reports from all waves of data. The first non-missing reported race was always used. RARACEM is set to 1 if the respondent reports being white and 4 if the respondent reports being non-white.

There are cases where race changed from year to year. These cases are flagged by RARACEF where a code of 0 indicates that race remained the same over all reports of non-missing race and a code of 1 indicates that race changed between non-missing reports of race at least once, in which case the value of the first reported race is included in RARACEM.

Don't know, refused, or other missing responses of RARACEM are assigned special missing codes .d, .r, .m respectively. RARACEM is set to plain missing (.) for respondents who did not respond to any waves.

SwRACEM indicates the current wave's spouse's race. It is taken from the spouse's reported values to RARACEM. In addition to the special missing codes used in RARACEM, SwRACEM employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used.

SwRACEF flags the current wave's spouse's race. It is taken from the spouse's values to RARACEF. In addition to the special missing codes used in RARACEF, SwRACEF employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA only reports race as white or non-white.

## ELSA Variables Used

Wave 1 Core:

AETHNICR hse ethnic group collapsed into white and non-white to a

Wave 1 Ifs Derived:

NONWHITE ethic origin (white/non-white)

Wave 2 Ifs Derived:

NONWHITE ethic origin (white/non-white)

Wave 3 Ifs Derived:

NONWHITE ethic origin (white/non-white)

Wave 4 Ifs Derived:

NONWHITE ethic origin (white/non-white)

Wave 5 Ifs Derived:

NONWHITE ethic origin (white/non-white)

Wave 6 Ifs Derived:

NONWHITE ethic origin (white/non-white)

Wave 7 Ifs Derived:

NONWHITE ethic origin (white/non-white)

Wave 8 Ifs Derived:

NONWHITE ethic origin (white/non-white)

Wave 9 Ifs Derived:

NONWHITE ethic origin (white/non-white)

**Education: Categorical Summary**

Wave	Variable	Label	Type
1	RAEDUC_E	raeduc_e: r education (categ)	Categ
1	S1EDUC_E	s1educ_e:w1 s education (categ)	Categ
2	S2EDUC_E	s2educ_e:w2 s education (categ)	Categ
3	S3EDUC_E	s3educ_e:w3 s education (categ)	Categ
4	S4EDUC_E	s4educ_e:w4 s education (categ)	Categ
5	S5EDUC_E	s5educ_e:w5 s education (categ)	Categ
6	S6EDUC_E	s6educ_e:w6 s education (categ)	Categ
7	S7EDUC_E	s7educ_e:w7 s education (categ)	Categ
8	S8EDUC_E	s8educ_e:w8 s education (categ)	Categ
9	S9EDUC_E	s9educ_e:w9 s education (categ)	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
RAEDUC_E	17979	2.72	1.57	1.00	5.00
S1EDUC_E	7379	2.58	1.56	1.00	5.00
S2EDUC_E	5636	2.69	1.56	1.00	5.00
S3EDUC_E	5889	2.89	1.55	1.00	5.00
S4EDUC_E	6805	2.94	1.55	1.00	5.00
S5EDUC_E	6391	2.98	1.54	1.00	5.00
S6EDUC_E	6670	3.09	1.53	1.00	5.00
S7EDUC_E	5915	3.13	1.51	1.00	5.00
S8EDUC_E	5168	3.17	1.50	1.00	5.00
S9EDUC_E	5292	3.28	1.47	1.00	5.00

**Categorical Variable Codes**

Value	RAEDUC_E	S1EDUC_E	S2EDUC_E	S3EDUC_E	S4EDUC_E	S5EDUC_E
.d:DK	32	9	6	3	6	6
.m:Missing	281	16	39	41	42	67
.o:other	1475	660	496	449	533	494
.r:Refuse	35	6	1	2	16	6
1.lt high-school	7447	3561	2671	2706	2932	2742
3.high-school graduate	3656	468	583	676	716	568
4.some college	3913	3379	2377	2126	2354	2126
5.college and above	2963	1421	1135	1266	1478	1390
		1534	1256	1406	1655	1599
		1045	868	1091	1318	1276

Value	S6EDUC_E	S7EDUC_E	S8EDUC_E	S9EDUC_E
.d:DK	10	11	7	10
.m:Missing	62	196	136	113
.o:other	492	429	371	394
.r:Refuse	8	9	6	11
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630

1.lt high-school	2031	1702	1434	1286
3.high-school graduate	1450	1348	1181	1261
4.some college	1726	1544	1378	1453
5.college and above	1463	1321	1175	1292

## How Constructed

The ELSA surveys respondents as to educational qualifications using a show card from which respondents mention all qualifications they have obtained and are asked to specify any educational qualifications he/she has achieved which are not on the show card. The ELSA then provides a set of merged variables which re-categorizes any respondent-specified qualifications which ELSA believes should be grouped with a qualification which was on the show card, and releases a single variable summarizing all of the education information. The education categorical summary is constructed using the single variable summarizing all of the education information in all waves. The highest educational qualification categorizations from the IFS Derived file is used in all waves. The first non-missing report of education was always used. RAEDUC\_E is defined using the RAND HRS categorical summary of education: 1.Less than high school, 3.high school graduate, 4.some college, and 5.college and above. Don't know, refused, or other missing responses of RAEDUC\_E are assigned special missing codes .d, .r, or .m, respectively. A special missing code .o is used when the respondent reported an educational category which was not included on ELSA's show card or he/she reported an educational category which is too general for meaningful imputation e.g. trade apprenticeship. RAEDUC\_E is set to plain missing (.) for respondents who did not report education information in any wave.

SwEDUC\_E indicates the current wave's spouse's category of education. It is taken from the spouse's values to RAEDUC\_E. In addition to the special missing codes used by RAEDUC\_E, SwEDUC\_E employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

In Wave 1, ELSA asks all respondents whether they have obtained any educational qualifications since the HSE survey if they provided information regarding educational qualifications during the HSE survey. If the respondent reports no further qualifications, they are not re-asked educational qualification questions. If the respondent did not provide information regarding educational qualifications during the HSE survey or if the respondent reported he/she had obtained further qualifications, he/she is asked to identify their qualifications. Starting in Wave 2, returning respondents are asked whether they achieved any educational qualifications since the last interview. If the respondent is new to the sample or if the respondent is returning and reported he/she had obtained further qualifications, he/she is asked to identify their qualifications. When respondents reported that they obtained further educational qualifications, they were shown a show card of different educational achievements and told to identify any achievement they had obtained.

In the Wave 1 Core dataset, ELSA includes a variable which identifies which of the reported educational achievement levels was the highest. In the Wave 2 Core dataset, ELSA included two variables which indicate the first and second educational qualifications the respondent mentioned from the show card. In all later wave core datasets, ELSA includes individual variables for each educational achievement included on the show card indicating whether or not the respondent mentioned that particular achievement. Further, for all waves, the wave-specific IFS derived variable dataset includes a variable which identifies which of the reported educational achievement levels was the highest. These variables are now used in the creation of RAEDUC\_E.

There was an error in Wave 3 routing which did not ask returning respondents whether they had obtained further qualifications since their last wave, so all returning respondents were re-asked their academic qualifications.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA does not survey respondents as to their highest U.S. educational category. ELSA surveys respondents as to their English educational qualifications. The imputed categorization of the highest educational qualifications available in the IFS Derived file is used in all waves.



**ELSA Variables Used**

Wave 1 Ifs Derived:

EDQUAL educational qualification - info merged from current and

Wave 2 Ifs Derived:

EDQUAL educational qualification - info merged from current and

Wave 3 Ifs Derived:

EDQUAL educational qualification - info merged from current and

Wave 4 Ifs Derived:

EDQUAL educational qualification - info merged from current and

Wave 5 Ifs Derived:

EDQUAL educational qualification - info merged from current and

Wave 6 Ifs Derived:

EDQUAL educational qualification - info merged from current and

Wave 7 Ifs Derived:

EDQUAL educational qualification - info merged from current and

Wave 8 Ifs Derived:

EDQUAL educational qualification - info merged from current and

Wave 9 Ifs Derived:

EDQUAL educational qualification - info merged from current and

**Education: Years**

Wave	Variable	Label	Type
1	RAEDYRS_E	raedyrs_e: r years of education	Categ
1	S1EDYRS_E	s1edyrs_e:w1 s years of education	Categ
2	S2EDYRS_E	s2edyrs_e:w2 s years of education	Categ
3	S3EDYRS_E	s3edyrs_e:w3 s years of education	Categ
4	S4EDYRS_E	s4edyrs_e:w4 s years of education	Categ
5	S5EDYRS_E	s5edyrs_e:w5 s years of education	Categ
6	S6EDYRS_E	s6edyrs_e:w6 s years of education	Categ
7	S7EDYRS_E	s7edyrs_e:w7 s years of education	Categ
8	S8EDYRS_E	s8edyrs_e:w8 s years of education	Categ
9	S9EDYRS_E	s9edyrs_e:w9 s years of education	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
RAEDYRS_E	19435	3.13	1.67	0.00	6.00
S1EDYRS_E	7862	2.87	1.62	0.00	6.00
S2EDYRS_E	6001	2.97	1.62	0.00	6.00
S3EDYRS_E	6200	3.17	1.65	0.00	6.00
S4EDYRS_E	7268	3.27	1.65	0.00	6.00
S5EDYRS_E	6846	3.32	1.65	0.00	6.00
S6EDYRS_E	7144	3.45	1.65	0.00	6.00
S7EDYRS_E	6472	3.53	1.64	0.00	6.00
S8EDYRS_E	5609	3.56	1.62	0.00	6.00
S9EDYRS_E	5747	3.72	1.62	0.00	6.00

**Categorical Variable Codes**

Value-----	RAEDYRS_E	S1EDYRS_E	S2EDYRS_E	S3EDYRS_E	S4EDYRS_E	S5EDYRS_E
.d:DK	17	1	1	3	4	5
.f:not yet finished	315	186	138	139	123	112
.m:Missing	27	21	38	42		
.r:Refuse	8				7	1
0:none	73	3561	2671	2706	2932	2742
1.age 14 or under	2949	468	583	676	716	568
2.age 15	5634	35	22	23	31	31
3.age 16	4533	1397	919	727	657	543
4.age 17	1541	2788	2100	2007	2362	2215
5.age 18	1466	1545	1251	1435	1711	1636
6.age 19 or over	3239	581	477	511	619	571
		445	348	414	532	518
		1071	884	1083	1356	1332

Value-----	S6EDYRS_E	S7EDYRS_E	S8EDYRS_E	S9EDYRS_E

.d:DK	5	2	4	4
.f:not yet finished	92	86	75	67
.m:Missing				1
.r:Refuse	1			1
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.none	27	22	16	15
1.age 14 or under	453	350	252	202
2.age 15	2154	1827	1589	1394
3.age 16	1783	1683	1477	1579
4.age 17	612	589	521	542
5.age 18	614	584	503	598
6.age 19 or over	1501	1417	1251	1417

## How Constructed

The ELSA surveys respondents as to educational qualifications using a show card from which respondents mention all qualifications they have obtained and are asked to specify any educational qualifications he/she has achieved which is not on the show card. The ELSA then provides a set of merged variables which re-categorizes any respondent-specified qualifications which ELSA believes should be grouped with a qualification which was on the show card. Years of education is constructed by looking at the merged reports from all waves of educational qualifications. The value of years of education from the IFS Derived file is used in all waves. The first non-missing merged report of education was always used. RAEDYRS\_E is an imputed value of the number of years of education and is coded as follows: 0.none, 1.age 14 or under, 2.age 15, 3.age 16, 4.age 17, 5.age 18, 6.age 19 or over. A special missing code .f if used if the respondent is not yet finished with their schooling. Don't know, refused, or other missing responses of RAEDYRS\_E are assigned special missing codes .d, .r, .m respectively. RAEDYRS\_E is set to plain missing (.) for respondents who did not respond to any wave.

SwEDYRS\_E indicates the current wave's spouse's years of education. It is taken from the spouse's values to RAEDYRS\_E. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .U is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used.

## Cross Wave Differences in ELSA

In the first wave of ELSA respondents were asked if they obtained any further qualifications since the HSE interview. If the respondent reported he/she obtained further qualification they were shown a show card of different educational achievements and told to identify any achievement they had obtained. If not, the educational achievement reported in the HSE interview was used. ELSA then identified which of the reported educational attainments was the highest.

Starting in the second wave of ELSA, returning respondents were asked if they obtained any qualifications since their last interview. If the respondent reported he/she obtained further qualifications they were shown a show card of different educational achievements and told to identify any further educational achievement they had obtained. New respondents were asked to report their educational achievements.

## Differences with the RAND HRS/Harmonized HRS

Unlike the RAND HRS which has RAEDYRS as a continuous variable, RAEDYRS\_E is a categorical variable in the Harmonized ELSA.

Unlike the HRS, ELSA does not survey respondents as to the number of years of education. Instead, ELSA surveys respondents as to their educational qualification. The imputed years of education available in the IFS Derived file is used in all waves.

## ELSA Variables Used

Wave 1 IFS Derived:

EDEND age finished cont. full time education, merged from curr

Wave 2 IFS Derived:

EDEND age finished cont. full time education, merged from curr

Wave 3 IFS Derived:

EDEND age finished cont. full time education, merged from curr  
Wave 4 Ifs Derived:  
EDEND age finished cont. full time education, merged from curr  
Wave 5 Ifs Derived:  
EDEND age finished cont. full time education, merged from curr  
Wave 6 Ifs Derived:  
EDEND age finished cont. full time education, merged from curr  
Wave 7 Ifs Derived:  
EDEND age finished cont. full time education, merged from curr  
Wave 8 Ifs Derived:  
EDEND age finished cont. full time education, merged from curr  
Wave 9 Ifs Derived:  
EDEND age finished cont. full time education, merged from curr

**Education: Harmonized Category**

Wave	Variable	Label	Type
1	RAEDUCL	raeducl: R harmonized education	Categ
1	S1EDUCL	s1educl:w1 S harmonized education	Categ
2	S2EDUCL	s2educl:w2 S harmonized education	Categ
3	S3EDUCL	s3educl:w3 S harmonized education	Categ
4	S4EDUCL	s4educl:w4 S harmonized education	Categ
5	S5EDUCL	s5educl:w5 S harmonized education	Categ
6	S6EDUCL	s6educl:w6 S harmonized education	Categ
7	S7EDUCL	s7educl:w7 S harmonized education	Categ
8	S8EDUCL	s8educl:w8 S harmonized education	Categ
9	S9EDUCL	s9educl:w9 S harmonized education	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
RAEDUCL	17979	1.80	0.70	1.00	3.00
S1EDUCL	7379	1.74	0.69	1.00	3.00
S2EDUCL	5636	1.79	0.69	1.00	3.00
S3EDUCL	5889	1.88	0.69	1.00	3.00
S4EDUCL	6805	1.90	0.69	1.00	3.00
S5EDUCL	6391	1.92	0.69	1.00	3.00
S6EDUCL	6670	1.96	0.69	1.00	3.00
S7EDUCL	5915	1.98	0.68	1.00	3.00
S8EDUCL	5168	2.00	0.68	1.00	3.00
S9EDUCL	5292	2.05	0.66	1.00	3.00

**Categorical Variable Codes**

Value-----	RAEDUCL				
.d:DK	32				
.m:Missing	281				
.o:other	1475				
.r:Refuse	35				
1.less than upper secondary	6553				
2.upper secondary and vocat	8463				
3.tertiary	2963				
Value-----	S1EDUCL	S2EDUCL	S3EDUCL	S4EDUCL	S5EDUCL
.d:DK	9	6	3	6	6
.m:Missing	16	39	41	42	67
.o:other	660	496	449	533	494
.r:Refuse	6	1	2	16	6
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.less than upper secondary	2944	2053	1816	2009	1804
2.upper secondary and vocat	3390	2715	2982	3478	3311
3.tertiary	1045	868	1091	1318	1276
Value-----	S6EDUCL	S7EDUCL	S8EDUCL	S9EDUCL	
.d:DK	10	11	7	10	
.m:Missing	62	196	136	113	
.o:other	492	429	371	394	
.r:Refuse	8	9	6	11	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.less than upper secondary	1704	1421	1199	1047	
2.upper secondary and vocat	3503	3173	2794	2953	

3.tertiary		1463	1321	1175	1292
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## How Constructed

In ELSA, respondents are asked to report their highest school degree and degrees of further education or vocational training as in the country's educational system.

RAEDUCL identifies the level of education completed according to a three-tier harmonized scale which we developed to compare education levels across countries. This Harmonized education scale is a simplified version of 1997 International Standard Classification of Education (ISCED-97) codes. For more information on ISCED codes, see [www.uis.unesco.org](http://www.uis.unesco.org) and the OECD document entitled "Classifying Educational Programmes: Manual for ISCED-97 Implementation in OECD Countries, 1999 Edition". The highest educational qualification categorizations from the IFS Derived file is used in all waves. RAEDUCL is coded as follows: 1.Less than upper secondary education, 2.Upper secondary & vocational training, and 3.Tertiary education. The first non-missing report of education level is always used. A special missing code, .o, is used when the respondent's educational qualification could not be appropriately categorized. Don't know, refuse to answer, or other missing is assigned special missing values .d, .r, or .m, respectively. RAEDUCL is set to plain missing (.) for respondents who did not respond to the current wave.

SwEDUCL indicates the current wave's spouse's category of education. They are taken from the spouse's value to RAEDUCL. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used. SwEDUCL is set to plain missing (.) for respondents who did not respond to this waves.

## Cross Wave Differences in ELSA

In Wave 1, ELSA asks all respondents whether they have obtained any educational qualifications since the HSE survey if they provided information regarding educational qualifications during the HSE survey. If the respondent reports no further qualifications, they are not re-asked educational qualification questions. If the respondent did not provide information regarding educational qualifications during the HSE survey or if the respondent reported he/she had obtained further qualifications, he/she is asked to identify their qualifications. Starting in Wave 2, returning respondents are asked whether they achieved any educational qualifications since the last interview. If the respondent is new to the sample or if the respondent is returning and reported he/she had obtained further qualifications, he/she is asked to identify their qualifications. When respondents reported that they obtained further educational qualifications, they were shown a show card of different educational achievements and told to identify any achievement they had obtained.

In the Waves 1 through 7 Core datasets, ELSA includes a variable which identifies which of the reported educational achievement levels was the highest. In the Wave 2 Core dataset, ELSA included two variables which indicate the first and second educational qualifications the respondent mentioned from the show card. In all later wave core datasets, ELSA includes individual variables for each educational achievement included on the show card indicating whether or not the respondent mentioned that particular achievement. Further, in all waves, the wave-specific IFS derived variable dataset includes a variable which identifies which of the reported educational achievement levels was the highest. These variables are now used in the creation of RAEDUCL.

There was an error in Wave 3 routing which did not ask returning respondents whether they had obtained further qualifications since their last wave, so all returning respondents were re-asked their academic qualifications.

## Differences with the RAND HRS/Harmonized HRS

The RAND HRS does not include an education variable coded according to the ISCED categories, however there is a comparable variable in the Harmonized HRS.

## ELSA Variables Used

Wave 1 IFS Derived:

EDQUAL educational qualification - info merged from current and

Wave 2 IFS Derived:

EDQUAL educational qualification - info merged from current and  
Wave 3 Ifs Derived:  
EDQUAL educational qualification - info merged from current and  
Wave 4 Ifs Derived:  
EDQUAL educational qualification - info merged from current and  
Wave 5 Ifs Derived:  
EDQUAL educational qualification - info merged from current and  
Wave 6 Ifs Derived:  
EDQUAL educational qualification - info merged from current and  
Wave 7 Ifs Derived:  
EDQUAL educational qualification - info merged from current and  
Wave 8 Ifs Derived:  
EDQUAL educational qualification - info merged from current and  
Wave 9 Ifs Derived:  
EDQUAL educational qualification - info merged from current and

**Current Marital Status: With Partnership**

Wave	Variable	Label	Type
1	R1MSTAT	r1mstat:w1 r marital status w/partners, filled	Categ
2	R2MSTAT	r2mstat:w2 r marital status w/partners, filled	Categ
3	R3MSTAT	r3mstat:w3 r marital status w/partners, filled	Categ
4	R4MSTAT	r4mstat:w4 r marital status w/partners, filled	Categ
5	R5MSTAT	r5mstat:w5 r marital status w/partners, filled	Categ
6	R6MSTAT	r6mstat:w6 r marital status w/partners, filled	Categ
7	R7MSTAT	r7mstat:w7 r marital status w/partners, filled	Categ
8	R8MSTAT	r8mstat:w8 r marital status w/partners, filled	Categ
9	R9MSTAT	r9mstat:w9 r marital status w/partners, filled	Categ
1	S1MSTAT	s1mstat:w1 s marital status w/partners, filled	Categ
2	S2MSTAT	s2mstat:w2 s marital status w/partners, filled	Categ
3	S3MSTAT	s3mstat:w3 s marital status w/partners, filled	Categ
4	S4MSTAT	s4mstat:w4 s marital status w/partners, filled	Categ
5	S5MSTAT	s5mstat:w5 s marital status w/partners, filled	Categ
6	S6MSTAT	s6mstat:w6 s marital status w/partners, filled	Categ
7	S7MSTAT	s7mstat:w7 s marital status w/partners, filled	Categ
8	S8MSTAT	s8mstat:w8 s marital status w/partners, filled	Categ
9	S9MSTAT	s9mstat:w9 s marital status w/partners, filled	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MSTAT	12096	2.69	2.59	1.00	8.00
R2MSTAT	9431	2.74	2.60	1.00	8.00
R3MSTAT	9765	2.69	2.57	1.00	8.00
R4MSTAT	11048	2.64	2.54	1.00	8.00
R5MSTAT	10268	2.66	2.55	1.00	8.00
R6MSTAT	10598	2.64	2.53	1.00	8.00
R7MSTAT	9664	2.65	2.52	1.00	8.00
R8MSTAT	8441	2.68	2.53	1.00	8.00
R9MSTAT	8735	2.68	2.52	1.00	8.00
S1MSTAT	8068	1.11	0.46	1.00	4.00
S2MSTAT	6178	1.11	0.46	1.00	4.00
S3MSTAT	6383	1.12	0.49	1.00	4.00
S4MSTAT	7401	1.12	0.48	1.00	4.00
S5MSTAT	6961	1.12	0.48	1.00	4.00
S6MSTAT	7241	1.14	0.51	1.00	4.00
S7MSTAT	6560	1.15	0.54	1.00	4.00
S8MSTAT	5684	1.15	0.53	1.00	4.00
S9MSTAT	5820	1.18	0.57	1.00	4.00

**Categorical Variable Codes**

Value-----	R1MSTAT	R2MSTAT	R3MSTAT	R4MSTAT	R5MSTAT
.d:DK	1	1	1		3
.r:Refuse	2			2	3
1.married	8161	6269	6535	7508	6927
3.partnered	394	316	378	412	396
4.separated	144	109	96	95	78
5.divorced	857	692	766	898	855
7.widowed	1959	1619	1523	1574	1527
8.never married	581	426	467	561	485
Value-----	R6MSTAT	R7MSTAT	R8MSTAT	R9MSTAT	



.d:DK	2		4		
.r:Refuse	1	2		1	
1.married	7135	6430	5581	5733	
3.partnered	459	474	408	491	
4.separated	99	125	94	122	
5.divorced	885	821	750	765	
7.widowed	1490	1350	1205	1134	
8.never married	530	464	403	490	
Value-----	S1MSTAT	S2MSTAT	S3MSTAT	S4MSTAT	S5MSTAT
.d:DK	1		1		2
.r:Refuse	1			1	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.married	7652	5848	5993	6975	6552
3.partnered	394	316	378	412	396
4.separated	22	14	12	14	13
Value-----	S6MSTAT	S7MSTAT	S8MSTAT	S9MSTAT	
.d:DK	1		4		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.married	6761	6068	5265	5315	
3.partnered	459	474	408	491	
4.separated	21	18	11	14	

## How Constructed

This variable is created using current marital status reported in each wave. Partnership status is assigned to respondents who report being currently unmarried but who are coupled with another respondent through ELSA's couple id.

RwMSTAT indicates a respondent's marital status in the current wave with implied partnership status. A code of 1 indicates the respondent is married or in a civil partnership. A code of 3 indicates the respondent is considered partnered through implied partnership using information from ELSA's couple id. A code of 4 indicates the respondent is separated. A code of 5 indicates the respondent is divorced. A code of 7 indicates the respondent is widowed. A code of 8 indicates the respondent has never been married. Don't know, refused, or other missing responses of RwMSTAT are assigned special missing codes .d, .r, .m respectively. RwMSTAT is set to plain missing (.) for respondents who did not respond to the current wave.

SwMSTAT indicates the current wave's spouse's marital status. It is taken from the spouse's values to RwMSTAT. In addition to the special missing codes used in RwMSTAT, SwMSTAT employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

Partnership status is not directly surveyed in Wave 1 or Wave 2 of ELSA. Starting in Wave 3 specific questions are asked if an individual considers themselves partnered. In Waves 8 and 9, although respondents are still asked whether they consider themselves married or partnered, the derived marital status variable released in the public dataset does not make a distinction between marriage and partnership.

## Differences with the RAND HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

Wave 1 Core:

DIMAR subject~s current legal marital status

Wave 1 Financial:

COUPID couple id - splits couples where one member in an instit

Wave 2 Core:  
DIMAR Respondent current legal marital status

Wave 2 Financial:  
COUPID couple id - splits couples where one member in an instit

Wave 3 Core:  
DIMAR respondent current legal marital status

Wave 3 Financial:  
COUPID couple id - splits couples where one member in an instit

Wave 4 Core:  
DIMAR respondent current legal marital status

Wave 4 Financial:  
COUPID couple id - splits couples where one member in an instit

Wave 5 Core:  
DIMAR Respondent current legal marital status

Wave 5 Financial:  
COUPID couple id - splits couples where one member in an instit

Wave 6 Core:  
DIMAR respondent current legal marital status

Wave 6 Financial:  
COUPID couple id - splits couples where one member in an instit

Wave 7 Core:  
DIMAR respondent current legal marital status

Wave 7 Financial:  
COUPID couple id - splits couples where one member in an instit

Wave 8 Core:  
DIMARR (d) respondent current legal marital status - combined m

Wave 8 Financial:  
COUPID couple id - splits couples where one member in an instit

Wave 9 Core:  
DIMARR (D) Respondent current legal marital status - combined m

Wave 9 Financial:  
COUPID couple id - splits couples where one member in an instit

<b>Current Marital Status: Current Partnership Status</b>
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Wave	Variable	Label	Type
1	R1MPART	r1mpart:w1 r implied partnership status	Categ
2	R2MPART	r2mpart:w2 r implied partnership status	Categ
3	R3MPART	r3mpart:w3 r implied partnership status	Categ
4	R4MPART	r4mpart:w4 r implied partnership status	Categ
5	R5MPART	r5mpart:w5 r implied partnership status	Categ
6	R6MPART	r6mpart:w6 r implied partnership status	Categ
7	R7MPART	r7mpart:w7 r implied partnership status	Categ
8	R8MPART	r8mpart:w8 r implied partnership status	Categ
9	R9MPART	r9mpart:w9 r implied partnership status	Categ
1	S1MPART	s1mpart:w1 s implied partnership status	Categ
2	S2MPART	s2mpart:w2 s implied partnership status	Categ
3	S3MPART	s3mpart:w3 s implied partnership status	Categ
4	S4MPART	s4mpart:w4 s implied partnership status	Categ
5	S5MPART	s5mpart:w5 s implied partnership status	Categ
6	S6MPART	s6mpart:w6 s implied partnership status	Categ
7	S7MPART	s7mpart:w7 s implied partnership status	Categ
8	S8MPART	s8mpart:w8 s implied partnership status	Categ
9	S9MPART	s9mpart:w9 s implied partnership status	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MPART	12099	0.03	0.18	0.00	1.00
R2MPART	9432	0.03	0.18	0.00	1.00
R3MPART	9766	0.04	0.19	0.00	1.00
R4MPART	11050	0.04	0.19	0.00	1.00
R5MPART	10274	0.04	0.19	0.00	1.00
R6MPART	10601	0.04	0.20	0.00	1.00
R7MPART	9666	0.05	0.22	0.00	1.00
R8MPART	8445	0.02	0.14	0.00	1.00
R9MPART	8736	0.03	0.16	0.00	1.00
S1MPART	8070	0.05	0.22	0.00	1.00
S2MPART	6178	0.05	0.22	0.00	1.00
S3MPART	6382	0.06	0.24	0.00	1.00
S4MPART	7402	0.06	0.23	0.00	1.00
S5MPART	6964	0.06	0.23	0.00	1.00
S6MPART	7242	0.06	0.24	0.00	1.00
S7MPART	6560	0.07	0.26	0.00	1.00
S8MPART	5688	0.03	0.18	0.00	1.00
S9MPART	5820	0.04	0.19	0.00	1.00

### Categorical Variable Codes

Value-----	R1MPART	R2MPART	R3MPART	R4MPART	R5MPART
0.no	11705	9116	9388	10638	9878
1.yes	394	316	378	412	396
Value-----	R6MPART	R7MPART	R8MPART	R9MPART	
0.no	10142	9192	8264	8509	
1.yes	459	474	181	227	
Value-----	S1MPART	S2MPART	S3MPART	S4MPART	S5MPART
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568

0.no		7676	5862	6004	6990	6568
1.yes		394	316	378	412	396
Value-----		S6MPART	S7MPART	S8MPART	S9MPART	
.u:Unmar		2802	2548	2255	2286	
.v:SP NR		557	558	502	630	
0.no		6783	6086	5507	5593	
1.yes		459	474	181	227	

## How Constructed

Partnership status is not directly surveyed in Wave 1 or Wave 2 of ELSA. Partnership is implied in all waves if the respondent reports being currently unmarried/unpartnered but is coupled with another respondent through ELSA's couple id.

RwMPART indicates whether a respondent partnership is implied in the current wave. A code of 0 indicates that the respondent is not implied to be partnered while a code of 1 indicates the respondent is implied to be partnered. RwMPART is set to plain missing (.) for respondents who did not respond to the current wave.

SwMPART indicates whether the current wave's spouse is considered partnered. It is taken from the spouse's values to RwMPART. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

In Waves 8 and 9, although respondents are still asked whether they consider themselves married or partnered, the derived marital status variable released in the public dataset does not make a distinction between marriage and partnership.

## Differences with the RAND HRS/Harmonized HRS

Implied partnership in the Harmonized ELSA is determined through ELSA's couple id. Implied partnership in the RAND HRS is determined using the household id variable instead.

## ELSA Variables Used

Wave 1 Core:	
DIMAR	subject~s current legal marital status
Wave 1 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 2 Core:	
DIMAR	Respondent current legal marital status
Wave 2 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 3 Core:	
DIMAR	respondent current legal marital status
Wave 3 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 4 Core:	
DIMAR	respondent current legal marital status
Wave 4 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 5 Core:	
DIMAR	Respondent current legal marital status
Wave 5 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 6 Core:	
DIMAR	respondent current legal marital status
Wave 6 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 7 Core:	

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DIMAR	respondent current legal marital status
Wave 7 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 8 Core:	
DIMARR	(d) respondent current legal marital status - combined m
Wave 8 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 9 Core:	
DIMARR	(D) Respondent current legal marital status - combined m
Wave 9 Financial:	
COUPID	couple id - splits couples where one member in an instit

<b>Current Marital Status: Without Partnership</b>
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Wave	Variable	Label	Type
1	R1MSTATH	r1mstath:w1 r marital status	Categ
2	R2MSTATH	r2mstath:w2 r marital status	Categ
3	R3MSTATH	r3mstath:w3 r marital status	Categ
4	R4MSTATH	r4mstath:w4 r marital status	Categ
5	R5MSTATH	r5mstath:w5 r marital status	Categ
6	R6MSTATH	r6mstath:w6 r marital status	Categ
7	R7MSTATH	r7mstath:w7 r marital status	Categ
8	R8MSTATH	r8mstath:w8 r marital status	Categ
9	R9MSTATH	r9mstath:w9 r marital status	Categ
1	S1MSTATH	s1mstath:w1 s marital status	Categ
2	S2MSTATH	s2mstath:w2 s marital status	Categ
3	S3MSTATH	s3mstath:w3 s marital status	Categ
4	S4MSTATH	s4mstath:w4 s marital status	Categ
5	S5MSTATH	s5mstath:w5 s marital status	Categ
6	S6MSTATH	s6mstath:w6 s marital status	Categ
7	S7MSTATH	s7mstath:w7 s marital status	Categ
8	S8MSTATH	s8mstath:w8 s marital status	Categ
9	S9MSTATH	s9mstath:w9 s marital status	Categ
1	R1MSTATF	r1mstatf:w1 r mstath-flag diff w/marhist	Categ
2	R2MSTATF	r2mstatf:w2 r mstath-flag diff w/marhist	Categ
3	R3MSTATF	r3mstatf:w3 r mstath-flag diff w/marhist	Categ
4	R4MSTATF	r4mstatf:w4 r mstath-flag diff w/marhist	Categ
5	R5MSTATF	r5mstatf:w5 r mstath-flag diff w/marhist	Categ
6	R6MSTATF	r6mstatf:w6 r mstath-flag diff w/marhist	Categ
7	R7MSTATF	r7mstatf:w7 r mstath-flag diff w/marhist	Categ
8	R8MSTATF	r8mstatf:w8 r mstath-flag diff w/marhist	Categ
9	R9MSTATF	r9mstatf:w9 r mstath-flag diff w/marhist	Categ
1	S1MSTATF	s1mstatf:w1 s mstath-flag diff w/marhist	Categ
2	S2MSTATF	s2mstatf:w2 s mstath-flag diff w/marhist	Categ
3	S3MSTATF	s3mstatf:w3 s mstath-flag diff w/marhist	Categ
4	S4MSTATF	s4mstatf:w4 s mstath-flag diff w/marhist	Categ
5	S5MSTATF	s5mstatf:w5 s mstath-flag diff w/marhist	Categ
6	S6MSTATF	s6mstatf:w6 s mstath-flag diff w/marhist	Categ
7	S7MSTATF	s7mstatf:w7 s mstath-flag diff w/marhist	Categ
8	S8MSTATF	s8mstatf:w8 s mstath-flag diff w/marhist	Categ
9	S9MSTATF	s9mstatf:w9 s mstath-flag diff w/marhist	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MSTATH	12096	2.79	2.66	1.00	8.00
R2MSTATH	9431	2.84	2.68	1.00	8.00
R3MSTATH	9765	2.81	2.66	1.00	8.00
R4MSTATH	11048	2.75	2.64	1.00	8.00
R5MSTATH	10268	2.78	2.65	1.00	8.00
R6MSTATH	10598	2.78	2.65	1.00	8.00
R7MSTATH	9664	2.81	2.65	1.00	8.00
R8MSTATH	8441	2.83	2.66	1.00	8.00
R9MSTATH	8735	2.86	2.68	1.00	8.00
S1MSTATH	8068	1.25	1.11	1.00	8.00
S2MSTATH	6178	1.26	1.14	1.00	8.00
S3MSTATH	6383	1.31	1.25	1.00	8.00

S4MSTATH	7401	1.29	1.22	1.00	8.00
S5MSTATH	6961	1.30	1.24	1.00	8.00
S6MSTATH	7241	1.34	1.31	1.00	8.00
S7MSTATH	6560	1.39	1.42	1.00	8.00
S8MSTATH	5684	1.38	1.40	1.00	8.00
S9MSTATH	5820	1.45	1.53	1.00	8.00
R1MSTATF	6576	0.02	0.21	0.00	2.00
R2MSTATF	6433	0.02	0.21	0.00	2.00
R3MSTATF	7829	0.02	0.21	0.00	2.00
R4MSTATF	10751	0.00	0.06	0.00	2.00
R5MSTATF	10008	0.00	0.07	0.00	2.00
R6MSTATF	10216	0.00	0.06	0.00	2.00
R7MSTATF	9290	0.00	0.08	0.00	2.00
R8MSTATF	8163	0.01	0.08	0.00	1.00
R9MSTATF	8281	0.01	0.08	0.00	1.00
S1MSTATF	4502	0.02	0.21	0.00	2.00
S2MSTATF	4254	0.02	0.21	0.00	2.00
S3MSTATF	5176	0.02	0.21	0.00	2.00
S4MSTATF	7337	0.00	0.06	0.00	2.00
S5MSTATF	6902	0.00	0.06	0.00	2.00
S6MSTATF	7134	0.00	0.06	0.00	2.00
S7MSTATF	6437	0.00	0.07	0.00	2.00
S8MSTATF	5618	0.00	0.06	0.00	1.00
S9MSTATF	5678	0.00	0.05	0.00	1.00

### Categorical Variable Codes

Value-----	R1MSTATH	R2MSTATH	R3MSTATH	R4MSTATH	R5MSTATH
.d:DK	1	1	1		3
.r:Refuse	2			2	3
1.married or civil partner	8161	6269	6535	7508	6927
4.separated	144	109	96	95	78
5.divorced	1116	888	989	1138	1081
7.widowed	2003	1669	1572	1632	1586
8.never married	672	496	573	675	596

Value-----	R6MSTATH	R7MSTATH	R8MSTATH	R9MSTATH
.d:DK	2		4	
.r:Refuse	1	2		1
1.married or civil partner	7135	6430	5581	5733
4.separated	99	125	94	122
5.divorced	1146	1080	977	1029
7.widowed	1548	1405	1257	1178
8.never married	670	624	532	673

Value-----	S1MSTATH	S2MSTATH	S3MSTATH	S4MSTATH	S5MSTATH
.d:DK	1		1		2
.r:Refuse	1			1	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.married or civil partner	7652	5848	5993	6975	6552
4.separated	22	14	12	14	13
5.divorced	259	196	223	240	226
7.widowed	44	50	49	58	59
8.never married	91	70	106	114	111

Value-----	S6MSTATH	S7MSTATH	S8MSTATH	S9MSTATH
.d:DK	1		4	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.married or civil partner	6761	6068	5265	5315
4.separated	21	18	11	14
5.divorced	261	259	227	264
7.widowed	58	55	52	44

8.never married	140	160	129	183	
Value-----	R1MSTATF	R2MSTATF	R3MSTATF	R4MSTATF	R5MSTATF
.b:break in panel, skipped				3	13
.d:DK		1			
.l:No Life History	5521	2998	1937	296	251
.m:Missing	2				2
0.no discrepancy	6499	6359	7734	10733	9982
1.ms=nev, marhis=evmar	9	1	15	12	20
2.ms=evmar, marhis=nev	68	73	80	6	6
Value-----	R6MSTATF	R7MSTATF	R8MSTATF	R9MSTATF	
.b:break in panel, skipped	24	24	19	27	
.l:No Life History	360	352	259	428	
.m:Missing	1		4		
0.no discrepancy	10189	9254	8116	8228	
1.ms=nev, marhis=evmar	22	26	47	53	
2.ms=evmar, marhis=nev	5	10			
Value-----	S1MSTATF	S2MSTATF	S3MSTATF	S4MSTATF	S5MSTATF
.b:break in panel, skipped				2	4
.l:No Life History	3567	1924	1207	63	57
.m:Missing	1				1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no discrepancy	4447	4204	5111	7328	6892
1.ms=nev, marhis=evmar	4	1	7	4	5
2.ms=evmar, marhis=nev	51	49	58	5	5
Value-----	S6MSTATF	S7MSTATF	S8MSTATF	S9MSTATF	
.b:break in panel, skipped	6	8	4	5	
.l:No Life History	102	115	62	137	
.m:Missing			4		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no discrepancy	7126	6423	5597	5664	
1.ms=nev, marhis=evmar	3	7	21	14	
2.ms=evmar, marhis=nev	5	7			

## How Constructed

This variable is created using current marital status reported in each wave. While RwmSTAT variables, described above, specifically code partnership, which override actual marital status, RwmSTATH ignores implied partnership status and indicates the reported marital status in the current wave. A code of 1 indicates the respondent reports being married or in a civil partnership. A code of 4 indicates the respondent reports being separated. A code of 5 indicates the respondent reports being divorced. A code of 7 indicates the respondent reports being widowed. A code of 8 indicates the respondent reports he/she has never been married. Don't know, refused, or other missing responses of RwmSTATH are assigned special missing codes .d, .r, .m respectively. RwmSTATH is set to plain missing (.) for respondents who did not respond to the current wave.

SwmSTATH indicates the current wave's spouse's marital status without partnership. It is taken from the spouse's values to RwmSTATH. In addition to the special missing codes used in RwmSTATH, SwmSTATH employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

Marital status is provided in two places, in each wave's Core data and through the Wave 3 Life History data. In some cases the current marital status in the Core data contradicts the marriage history in the Life History data. These cases are flagged with the variable RwmSTATF. A code of 0 indicates that there is no discrepancy between the Core marriage data and the Life History marriage data. A code of 1 indicates that the respondent reported being never married in the Core data but listed one or more marriages in the Life History data. A code of 2 indicates that the respondent reported having been married in the Core data but was listed as never having been married in the Life History data. RwmSTATF is set to a special missing code .l when the respondent did not complete the Life History interview. RwmSTATF in Wave 4 and onward is set to a special missing code .b when the respondent did not complete



the Wave 3 core interview with the Life History interview or when the respondent missed a core interview since the completion of the Life History module. Both circumstances signify a break in the panel which do not allow us to accurately determine whether the respondent has contradictions in marital history. Missing responses of RwmSTATF are assigned special missing code .m. RwmSTATF is set to plain missing (.) for respondents who did not respond to the current wave.

SwMSTATF flags the current wave's spouse's marital status. It is taken from the spouse's values to RwmSTATF. In addition to the special missing codes used in RwmSTATF, SwMSTATF employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

### Cross Wave Differences in ELSA

Partnership status is not directly surveyed in Wave 1 or Wave 2 of ELSA. Starting in Wave 3 specific questions are asked if an individual considers themselves partnered. In Waves 8 and 9, although respondents are still asked whether they consider themselves married or partnered, the derived marital status variable released in the public dataset does not make a distinction between marriage and partnership.

### Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA does not ask respondents whether they are married but their spouse is absent.

Unlike the HRS, ELSA surveys respondents as to whether they are in a civil partnership from Wave 3 onwards.

### ELSA Variables Used

Wave 1 Core:	
DIMAR	subject~s current legal marital status
Wave 2 Core:	
DIMAR	Respondent current legal marital status
Wave 3 Core:	
DIMAR	respondent current legal marital status
Wave 4 Core:	
DIMAR	respondent current legal marital status
Wave 5 Core:	
DIMAR	Respondent current legal marital status
Wave 6 Core:	
DIMAR	respondent current legal marital status
Wave 7 Core:	
DIMAR	respondent current legal marital status
Wave 8 Core:	
DIMARR	(d) respondent current legal marital status - combined m
Wave 9 Core:	
DIMARR	(D) Respondent current legal marital status - combined m

<b>Number of Marriages</b>
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Wave	Variable	Label	Type
1	R1MRCT	r1mrct:w1 r # marriages	Categ
2	R2MRCT	r2mrct:w2 r # marriages	Categ
3	R3MRCT	r3mrct:w3 r # marriages	Categ
4	R4MRCT	r4mrct:w4 r # marriages	Categ
5	R5MRCT	r5mrct:w5 r # marriages	Categ
6	R6MRCT	r6mrct:w6 r # marriages	Categ
7	R7MRCT	r7mrct:w7 r # marriages	Categ
8	R8MRCT	r8mrct:w8 r # marriages	Categ
9	R9MRCT	r9mrct:w9 r # marriages	Categ
1	S1MRCT	s1mrct:w1 s # marriages	Categ
2	S2MRCT	s2mrct:w2 s # marriages	Categ
3	S3MRCT	s3mrct:w3 s # marriages	Categ
4	S4MRCT	s4mrct:w4 s # marriages	Categ
5	S5MRCT	s5mrct:w5 s # marriages	Categ
6	S6MRCT	s6mrct:w6 s # marriages	Categ
7	S7MRCT	s7mrct:w7 s # marriages	Categ
8	S8MRCT	s8mrct:w8 s # marriages	Categ
9	S9MRCT	s9mrct:w9 s # marriages	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MRCT	6565	1.12	0.51	0.00	4.00
R2MRCT	6422	1.12	0.52	0.00	4.00
R3MRCT	7816	1.13	0.54	0.00	4.00
R4MRCT	6907	1.14	0.57	0.00	5.00
R5MRCT	6184	1.16	0.59	0.00	5.00
R6MRCT	5579	1.17	0.62	0.00	6.00
R7MRCT	4899	1.19	0.65	0.00	5.00
R8MRCT	4242	1.22	0.69	0.00	5.00
R9MRCT	3682	1.33	0.92	0.00	6.00
S1MRCT	4495	1.16	0.47	0.00	4.00
S2MRCT	4247	1.17	0.47	0.00	4.00
S3MRCT	5167	1.18	0.50	0.00	4.00
S4MRCT	4553	1.21	0.54	0.00	4.00
S5MRCT	4108	1.22	0.58	0.00	5.00
S6MRCT	3712	1.24	0.61	0.00	6.00
S7MRCT	3245	1.26	0.66	0.00	5.00
S8MRCT	2793	1.30	0.70	0.00	5.00
S9MRCT	2388	1.46	0.99	0.00	6.00

### How Constructed

This variable is created using the Wave 3 Life History data. ELSA does not survey respondents as to the number of past marriages every wave. Instead, ELSA issued a Life History Interview in Wave 3 that asked questions pertaining to each cohabiting partner the respondent listed in their lifetime, up to 10 relationships. These questions included year started living together, marital status, whether divorced, and year relationship ended.

RwMRCT contains the number of different cohabiting partners the respondent reported having been married to by the time of the current wave. If the marriage date in the Life History data or the interview date for the current wave is missing the marriage was not added into the count of RwMRCT. RwMRCT is set to a special missing code .d when marriage status is reported as "don't know." RwMRCT is set to a special missing code .m when marriage status is reported as "missing." RwMRCT is set to a special missing code

.r when marriage status is reported as "refused." Rwmrct is set to a special missing code .l when the respondent did not complete the Life History interview. Rwmrct in Wave 4 and onward is set to a special missing code .b when the respondent did not complete the Wave 3 core interview with the Life History interview or when the respondent missed a core interview since the completion of the Life History module. Both circumstances signify a break in the panel which do not allow us to accurately calculate the number of marriages. Rwmrct is set to plain missing (.) for respondents who did not respond to the current wave.

Swmrct is the number of marriages of the current wave's spouse. It is taken from the spouse's responses to Rwmrct. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

The Life History interview was given to willing respondents after their Wave 3 interview. Marital history measures for Waves 1 - 3 are calculated using the Life History data up until the interview date of the current wave. From Wave 4 onward, marital history measures are calculated using the Life History data up until the time of the Wave 3 interview, the marital status reported in the Wave 3 core interview, the marital status reported in the current wave's core interview, and marital status reported in the core interview for every wave between Wave 3 and the current wave. Marital history measures are not calculated for any respondent who skips either a core interview in Wave 3 or any core interview between Wave 3 and the current wave.

In Waves 8 and 9, although respondents are still asked whether they consider themselves married or partnered, the derived marital status variable released in the public dataset does not make a distinction between marriage and partnership.

## Differences with the RAND HRS/Harmonized HRS

In the ELSA Wave 3 Life History Survey respondents can report up to 10 relationships including their current relationship. ELSA respondents then are surveyed as to whether they were married to the individual in each relationship. HRS respondents are asked to report marriages. HRS respondents could list either 4 marriages or an unlimited number of marriages depending on the year when they were first interviewed.

## ELSA Variables Used

Wave 1 Core:	
IINTDTY	year of individual interview: year of date: today~s date
Wave 2 Core:	
IINTDTY	Year of Individual Interview
Wave 3 Core:	
IINTDATY	year of individual interview
Wave 3 Life History:	
RPMARST	(dv) marital status (1st loop)
RPMARST2	(dv) marital status (2nd loop)
RPMARST3	(dv) marital status (3rd loop)
RPMARST4	(dv) marital status (4th loop)
RPMARST5	(dv) marital status (5th loop)
RPMARST6	(dv) marital status (6th loop)
RPMARST7	(dv) marital status (7th loop)
RPYRMA	(dv) year of marriage (1st loop)
RPYRMA2	(dv) year of marriage (2nd loop)
RPYRMA3	(dv) year of marriage (3rd loop)
RPYRMA4	(dv) year of marriage (4th loop)
RPYRMA5	(dv) year of marriage (5th loop)
RPYRMA6	(dv) year of marriage (6th loop)
RPYRMA7	(dv) year of marriage (7th loop)
Wave 4 Core:	
DHR	relationship of this person to person 1 in the household
DHR10	relationship of this person to person 10 in the household
DHR11	relationship of this person to person 11 in the household

DHR12	relationship of this person to person 12 in the household
DHR13	relationship of this person to person 13 in the household
DHR14	relationship of this person to person 14 in the household
DHR15	relationship of this person to person 15 in the household
DHR16	relationship of this person to person 16 in the household
DHR2	relationship of this person to person 2 in the household
DHR3	relationship of this person to person 3 in the household
DHR4	relationship of this person to person 4 in the household
DHR5	relationship of this person to person 5 in the household
DHR6	relationship of this person to person 6 in the household
DHR7	relationship of this person to person 7 in the household
DHR8	relationship of this person to person 8 in the household
DHR9	relationship of this person to person 9 in the household
DIMAR	respondent current legal marital status
IINTDATM	month of individual interview
IINTDATY	year of individual interview

## Wave 5 Core:

DHR	Relationship of this person to Person 1 in the household
DHR10	Relationship of this person to Person 10 in the household
DHR11	Relationship of this person to Person 11 in the household
DHR12	Relationship of this person to Person 12 in the household
DHR13	Relationship of this person to Person 13 in the household
DHR14	Relationship of this person to Person 14 in the household
DHR15	Relationship of this person to Person 15 in the household
DHR16	Relationship of this person to Person 16 in the household
DHR2	Relationship of this person to Person 2 in the household
DHR3	Relationship of this person to Person 3 in the household
DHR4	Relationship of this person to Person 4 in the household
DHR5	Relationship of this person to Person 5 in the household
DHR6	Relationship of this person to Person 6 in the household
DHR7	Relationship of this person to Person 7 in the household
DHR8	Relationship of this person to Person 8 in the household
DHR9	Relationship of this person to Person 9 in the household
DIMAR	Respondent current legal marital status
IINTDATM	Month of Individual Interview
IINTDATY	Year of Individual Interview

## Wave 6 Core:

DHR	relationship of this person to person 1 in the household
DHR10	relationship of this person to person 10 in the household
DHR11	relationship of this person to person 11 in the household
DHR12	relationship of this person to person 12 in the household
DHR13	relationship of this person to person 13 in the household
DHR14	relationship of this person to person 14 in the household
DHR15	relationship of this person to person 15 in the household
DHR16	relationship of this person to person 16 in the household
DHR2	relationship of this person to person 2 in the household
DHR3	relationship of this person to person 3 in the household
DHR4	relationship of this person to person 4 in the household
DHR5	relationship of this person to person 5 in the household
DHR6	relationship of this person to person 6 in the household
DHR7	relationship of this person to person 7 in the household
DHR8	relationship of this person to person 8 in the household
DHR9	relationship of this person to person 9 in the household
DIMAR	respondent current legal marital status
IINTDATM	month of individual interview
IINTDATY	year of individual interview

## Wave 7 Core:

DHR	relationship of this person to person 1 in the household
DHR10	relationship of this person to person 10 in the household
DHR11	relationship of this person to person 11 in the household
DHR12	relationship of this person to person 12 in the household
DHR13	relationship of this person to person 13 in the household
DHR14	relationship of this person to person 14 in the household

DHR15	relationship of this person to person 15 in the household
DHR16	relationship of this person to person 16 in the household
DHR2	relationship of this person to person 2 in the household
DHR3	relationship of this person to person 3 in the household
DHR4	relationship of this person to person 4 in the household
DHR5	relationship of this person to person 5 in the household
DHR6	relationship of this person to person 6 in the household
DHR7	relationship of this person to person 7 in the household
DHR8	relationship of this person to person 8 in the household
DHR9	relationship of this person to person 9 in the household
DIMAR	respondent current legal marital status
IINTDATM	month of individual interview
IINTDATY	year of individual interview
Wave 8 Core:	
DHR	relationship of this person to person 1 in the household
DHR10	relationship of this person to person 10 in the household
DHR11	relationship of this person to person 11 in the household
DHR12	relationship of this person to person 12 in the household
DHR13	relationship of this person to person 13 in the household
DHR14	relationship of this person to person 14 in the household
DHR15	relationship of this person to person 15 in the household
DHR16	relationship of this person to person 16 in the household
DHR2	relationship of this person to person 2 in the household
DHR3	relationship of this person to person 3 in the household
DHR4	relationship of this person to person 4 in the household
DHR5	relationship of this person to person 5 in the household
DHR6	relationship of this person to person 6 in the household
DHR7	relationship of this person to person 7 in the household
DHR8	relationship of this person to person 8 in the household
DHR9	relationship of this person to person 9 in the household
DIMARR	(d) respondent current legal marital status - combined m
IINTDATM	interview month
IINTDATY	interview year
Wave 9 Core:	
DHR	Relationship of this person to person 1 in the household
DHR10	Relationship of this person to person 10 in the household
DHR11	Relationship of this person to person 11 in the household
DHR12	Relationship of this person to person 12 in the household
DHR13	Relationship of this person to person 13 in the household
DHR14	Relationship of this person to person 14 in the household
DHR15	Relationship of this person to person 15 in the household
DHR16	Relationship of this person to person 16 in the household
DHR2	Relationship of this person to person 2 in the household
DHR3	Relationship of this person to person 3 in the household
DHR4	Relationship of this person to person 4 in the household
DHR5	Relationship of this person to person 5 in the household
DHR6	Relationship of this person to person 6 in the household
DHR7	Relationship of this person to person 7 in the household
DHR8	Relationship of this person to person 8 in the household
DHR9	Relationship of this person to person 9 in the household
DIMARR	(D) Respondent current legal marital status - combined m
IINTDATM	Interview month
IINTDATY	Interview year

### Marital History: Never Married

Wave	Variable	Label	Type
1	R1MNEV	r1mnev:w1 r never married	Categ
2	R2MNEV	r2mnev:w2 r never married	Categ
3	R3MNEV	r3mnev:w3 r never married	Categ
4	R4MNEV	r4mnev:w4 r never married	Categ
5	R5MNEV	r5mnev:w5 r never married	Categ
6	R6MNEV	r6mnev:w6 r never married	Categ
7	R7MNEV	r7mnev:w7 r never married	Categ
8	R8MNEV	r8mnev:w8 r never married	Categ
9	R9MNEV	r9mnev:w9 r never married	Categ
1	S1MNEV	s1mnev:w1 s never married	Categ
2	S2MNEV	s2mnev:w2 s never married	Categ
3	S3MNEV	s3mnev:w3 s never married	Categ
4	S4MNEV	s4mnev:w4 s never married	Categ
5	S5MNEV	s5mnev:w5 s never married	Categ
6	S6MNEV	s6mnev:w6 s never married	Categ
7	S7MNEV	s7mnev:w7 s never married	Categ
8	S8MNEV	s8mnev:w8 s never married	Categ
9	S9MNEV	s9mnev:w9 s never married	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MNEV	6577	0.06	0.24	0.00	1.00
R2MNEV	6434	0.06	0.24	0.00	1.00
R3MNEV	7829	0.07	0.25	0.00	1.00
R4MNEV	10751	0.04	0.19	0.00	1.00
R5MNEV	10010	0.03	0.18	0.00	1.00
R6MNEV	10218	0.03	0.17	0.00	1.00
R7MNEV	9292	0.03	0.16	0.00	1.00
R8MNEV	8167	0.03	0.16	0.00	1.00
R9MNEV	8282	0.02	0.14	0.00	1.00
S1MNEV	4502	0.02	0.15	0.00	1.00
S2MNEV	4254	0.02	0.15	0.00	1.00
S3MNEV	5176	0.03	0.16	0.00	1.00
S4MNEV	7337	0.01	0.09	0.00	1.00
S5MNEV	6903	0.01	0.09	0.00	1.00
S6MNEV	7134	0.01	0.09	0.00	1.00
S7MNEV	6437	0.01	0.09	0.00	1.00
S8MNEV	5622	0.01	0.09	0.00	1.00
S9MNEV	5678	0.00	0.07	0.00	1.00

### Categorical Variable Codes

Value-----	R1MNEV	R2MNEV	R3MNEV	R4MNEV	R5MNEV
.b:break in panel, skipped				3	13
.d:DK					1
.1:No Life History	5522	2998	1937	294	247
.r:Refuse				2	4
0.ever married	6172	6032	7309	10359	9675
1.never married	405	402	520	392	335
Value-----	R6MNEV	R7MNEV	R8MNEV	R9MNEV	
.b:break in panel, skipped	24	24	19	27	
.d:DK	2	2	2	2	

.l:No Life History	358	350	259	427	
.r:Refuse	4	4	4	4	
0.ever married	9926	9041	7960	8116	
1.never married	292	251	207	166	
Value-----	S1MNEV	S2MNEV	S3MNEV	S4MNEV	S5MNEV
.b:break in panel, skipped				2	4
.d:DK					1
.l:No Life History	3568	1924	1207	62	55
.r:Refuse				1	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.ever married	4397	4154	5035	7271	6841
1.never married	105	100	141	66	62
Value-----	S6MNEV	S7MNEV	S8MNEV	S9MNEV	
.b:break in panel, skipped	6	8	4	5	
.d:DK	1				
.l:No Life History	101	115	62	137	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.ever married	7079	6385	5580	5651	
1.never married	55	52	42	27	

## How Constructed

RwMNEV is created using the Wave 3 Life History data. ELSA issued a Life History Interview in Wave 3 that asked questions pertaining to each cohabiting partner the respondent listed in their lifetime, up to 10 relationships. These questions included year started living together, marital status, whether divorced, and year relationship ended.

RwMNEV indicates whether the respondent ever reported being married to a cohabiting partner by the time of the current wave. If any of the marriage dates in the Life History data or the interview date for the current wave are missing the cohabiting relationship was not counted as a marriage. A code of 0 indicates that the respondent was married at least once and a code of 1 indicates that the respondent has never been married. RwMNEV is set to special missing .d when marriage status is reported as "don't know." RwMNEV is set to special missing .m when marriage status is reported as "missing." RwMNEV is set to special missing .r when marriage status is reported as "refused." RwMNEV is set to a special missing code .l when the respondent did not complete the Life History interview. RwMNEV in Wave 4 and onward is set to a special missing code .b when the respondent did not complete the Wave 3 core interview with the Life History interview or when the respondent missed a core interview since the completion of the Life History module. Both circumstances signify a break in the panel which do not allow us to accurately determine whether the respondent has never been married based on marital history. RwMNEV is set to plain missing (.) for respondents who did not respond to the current wave.

SwMNEV indicates whether the current wave's spouse has ever been married. It is taken from the spouse's RwMNEV. In addition to the special missing codes used in RwMNEV, SwMNEV employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

The Life History interview was given to willing respondents after their Wave 3 interview. Marital history measures for Waves 1 - 3 are calculated using the Life History data up until the interview date of the current wave. From Wave 4 onward, marital history measures are calculated using the Life History data up until time of the Wave 3 interview, the marital status reported in the Wave 3 core interview, the marital status reported in the current wave's core interview, and marital status reported in the core interview for every wave between Wave 3 and the current wave. Marital history measures are not calculated for any respondent who skips either a core interview in Wave 3 or any core interview between Wave 3 and the current wave.

In Waves 8 and 9, although respondents are still asked whether they consider themselves married or partnered, the derived marital status variable released in the public dataset does not make a distinction between marriage and partnership.

## Differences with the RAND HRS/Harmonized HRS

In the ELSA Wave 3 Life History Survey respondents can report up to 10 relationships including their current relationship. ELSA respondents then are surveyed as to whether they were married to the individual in each relationship. HRS respondents are asked to report marriages. HRS respondents could list either 4 marriages or an unlimited number of marriages depending on when they were first interviewed.

## ELSA Variables Used

Wave 1 Core:  
 IINTDTY            year of individual interview: year of date: today~s date

Wave 2 Core:  
 IINTDTY            Year of Individual Interview

Wave 3 Core:  
 IINTDATY           year of individual interview

Wave 3 Life History:

RPMARST            (dv) marital status (1st loop)  
 RPMARST2          (dv) marital status (2nd loop)  
 RPMARST3          (dv) marital status (3rd loop)  
 RPMARST4          (dv) marital status (4th loop)  
 RPMARST5          (dv) marital status (5th loop)  
 RPMARST6          (dv) marital status (6th loop)  
 RPMARST7          (dv) marital status (7th loop)  
 RPYRMA            (dv) year of marriage (1st loop)  
 RPYRMA2           (dv) year of marriage (2nd loop)  
 RPYRMA3           (dv) year of marriage (3rd loop)  
 RPYRMA4           (dv) year of marriage (4th loop)  
 RPYRMA5           (dv) year of marriage (5th loop)  
 RPYRMA6           (dv) year of marriage (6th loop)  
 RPYRMA7           (dv) year of marriage (7th loop)

Wave 4 Core:  
 DIMAR              respondent current legal marital status

Wave 5 Core:  
 DIMAR              Respondent current legal marital status

Wave 6 Core:  
 DIMAR              respondent current legal marital status

Wave 7 Core:  
 DIMAR              respondent current legal marital status

Wave 8 Core:  
 DIMARR             (d) respondent current legal marital status - combined m

Wave 9 Core:  
 DIMARR             (D) Respondent current legal marital status - combined m



**Marital History: # Times Divorced**

Wave	Variable	Label	Type
1	R1MDIV	r1mdiv:w1 r # times divorced	Categ
2	R2MDIV	r2mdiv:w2 r # times divorced	Categ
3	R3MDIV	r3mdiv:w3 r # times divorced	Categ
4	R4MDIV	r4mdiv:w4 r # times divorced	Categ
5	R5MDIV	r5mdiv:w5 r # times divorced	Categ
6	R6MDIV	r6mdiv:w6 r # times divorced	Categ
7	R7MDIV	r7mdiv:w7 r # times divorced	Categ
8	R8MDIV	r8mdiv:w8 r # times divorced	Categ
9	R9MDIV	r9mdiv:w9 r # times divorced	Categ
1	S1MDIV	s1mdiv:w1 s # times divorced	Categ
2	S2MDIV	s2mdiv:w2 s # times divorced	Categ
3	S3MDIV	s3mdiv:w3 s # times divorced	Categ
4	S4MDIV	s4mdiv:w4 s # times divorced	Categ
5	S5MDIV	s5mdiv:w5 s # times divorced	Categ
6	S6MDIV	s6mdiv:w6 s # times divorced	Categ
7	S7MDIV	s7mdiv:w7 s # times divorced	Categ
8	S8MDIV	s8mdiv:w8 s # times divorced	Categ
9	S9MDIV	s9mdiv:w9 s # times divorced	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MDIV	6557	0.24	0.50	0.00	4.00
R2MDIV	6416	0.24	0.50	0.00	4.00
R3MDIV	7805	0.27	0.53	0.00	4.00
R4MDIV	6897	0.26	0.53	0.00	4.00
R5MDIV	6175	0.27	0.53	0.00	4.00
R6MDIV	5570	0.27	0.53	0.00	4.00
R7MDIV	4891	0.28	0.54	0.00	4.00
R8MDIV	4234	0.29	0.55	0.00	4.00
R9MDIV	3674	0.29	0.55	0.00	4.00
S1MDIV	4492	0.19	0.44	0.00	3.00
S2MDIV	4247	0.19	0.44	0.00	3.00
S3MDIV	5164	0.22	0.47	0.00	3.00
S4MDIV	4549	0.22	0.48	0.00	3.00
S5MDIV	4104	0.22	0.48	0.00	3.00
S6MDIV	3709	0.22	0.48	0.00	4.00
S7MDIV	3241	0.23	0.49	0.00	4.00
S8MDIV	2788	0.24	0.50	0.00	4.00
S9MDIV	2383	0.24	0.50	0.00	4.00

**How Constructed**

RwMDIV is created using the Wave 3 Life History data. ELSA does not survey respondents as to the number of past divorces every wave. Instead, ELSA issued a Life History Interview in Wave 3 that asked questions pertaining to each cohabiting partner the respondent listed in their lifetime, up to 10 relationships. These questions included year started living together, marital status, whether divorced, and year relationship ended.

RwMDIV is the number of different cohabiting partners the respondent reported having divorced by the time of the current wave. If the divorce date or marriage date in the Life History data, or the interview date for the current wave is missing, the divorce was not added into the count of RwMDIV. RwMDIV is set to a special missing code .d when marriage ending status or divorce date is reported as "don't know." RwMDIV is set to a special missing code .m when marriage ending status or divorce date is reported as "missing."

RwMDIV is set to a special missing .r code when marriage ending status or divorce date is reported as "refused." RwMDIV is set to a special missing code .l when the respondent did not complete the Life History interview. RwMDIV in Wave 4 and onward is set to a special missing code .b when the respondent did not complete the Wave 3 core interview with the Life History interview or when the respondent missed a core interview since the completion of the Life History module. Both circumstances signify a break in the panel which do not allow us to accurately calculate the number of divorces. RwMDIV is set to plain missing (.) for respondents who did not respond to the current wave.

SwMDIV is the number of divorces of the current wave's spouse. It is taken from the spouse's values to RwMDIV. In addition to the special missing codes used in RwMDIV, SwMDIV employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

The Life History interview was given to willing respondents after their Wave 3 interview. Marital history measures for Waves 1 - 3 are calculated using the Life History data up until the interview date of the current wave. From Wave 4 onward, marital history measures are calculated using the Life History data up until the time of the Wave 3 interview, the marital status reported in the Wave 3 core interview, the marital status reported in the current wave's core interview, and marital status reported in the core interview for every wave between Wave 3 and the current wave. Marital history measures are not calculated for any respondent who skips either a core interview in Wave 3 or any core interview between Wave 3 and the current wave.

In Waves 8 and 9, although respondents are still asked whether they consider themselves married or partnered, the derived marital status variable released in the public dataset does not make a distinction between marriage and partnership.

## Differences with the RAND HRS/Harmonized HRS

In the ELSA Wave 3 Life History Survey respondents can report up to 10 relationships including their current relationship. ELSA respondents then are surveyed as to whether they were married to the individual in each relationship. HRS respondents are asked to report marriages. HRS respondents could list either 4 marriages or an unlimited number of marriages depending on when they were first interviewed.

## ELSA Variables Used

Wave 1 Core:  
 IINTDTY            year of individual interview: year of date: today~s date

Wave 2 Core:  
 IINTDTY            Year of Individual Interview

Wave 3 Core:  
 IINTDATY           year of individual interview

Wave 3 Life History:  
 RPDIV            whether divorced from partner (1st loop)  
 RPDIV2           whether divorced from partner (2nd loop)  
 RPDIV3           whether divorced from partner (3rd loop)  
 RPDIV4           whether divorced from partner (4th loop)  
 RPDIV5           whether divorced from partner (5th loop)  
 RPDIV6           whether divorced from partner (6th loop)  
 RPDIV7           whether divorced from partner (7th loop)  
 RPDYR            year divorced from partner (1st loop)  
 RPDYR2           year divorced from partner (2nd loop)  
 RPDYR3           year divorced from partner (3rd loop)  
 RPDYR4           year divorced from partner (4th loop)  
 RPDYR5           year divorced from partner (5th loop)  
 RPDYR6           year divorced from partner (6th loop)  
 RPDYR7           year divorced from partner (7th loop)  
 RPMARST           (dv) marital status (1st loop)

Wave 4 Core:



DHR5	relationship of this person to person 5 in the household
DHR6	relationship of this person to person 6 in the household
DHR7	relationship of this person to person 7 in the household
DHR8	relationship of this person to person 8 in the household
DHR9	relationship of this person to person 9 in the household
DIMARR	(d) respondent current legal marital status - combined m
Wave 9 Core:	
DHR	Relationship of this person to person 1 in the household
DHR10	Relationship of this person to person 10 in the household
DHR11	Relationship of this person to person 11 in the household
DHR12	Relationship of this person to person 12 in the household
DHR2	Relationship of this person to person 2 in the household
DHR3	Relationship of this person to person 3 in the household
DHR4	Relationship of this person to person 4 in the household
DHR5	Relationship of this person to person 5 in the household
DHR6	Relationship of this person to person 6 in the household
DHR7	Relationship of this person to person 7 in the household
DHR8	Relationship of this person to person 8 in the household
DHR9	Relationship of this person to person 9 in the household
DIMARR	(D) Respondent current legal marital status - combined m

**Marital History: # Times Widowed**

Wave	Variable	Label	Type
1	R1MWID	r1mwid:w1 r # times widowed	Categ
2	R2MWID	r2mwid:w2 r # times widowed	Categ
3	R3MWID	r3mwid:w3 r # times widowed	Categ
4	R4MWID	r4mwid:w4 r # times widowed	Categ
5	R5MWID	r5mwid:w5 r # times widowed	Categ
6	R6MWID	r6mwid:w6 r # times widowed	Categ
7	R7MWID	r7mwid:w7 r # times widowed	Categ
8	R8MWID	r8mwid:w8 r # times widowed	Categ
9	R9MWID	r9mwid:w9 r # times widowed	Categ
1	S1MWID	s1mwid:w1 s # times widowed	Categ
2	S2MWID	s2mwid:w2 s # times widowed	Categ
3	S3MWID	s3mwid:w3 s # times widowed	Categ
4	S4MWID	s4mwid:w4 s # times widowed	Categ
5	S5MWID	s5mwid:w5 s # times widowed	Categ
6	S6MWID	s6mwid:w6 s # times widowed	Categ
7	S7MWID	s7mwid:w7 s # times widowed	Categ
8	S8MWID	s8mwid:w8 s # times widowed	Categ
9	S9MWID	s9mwid:w9 s # times widowed	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MWID	6563	0.17	0.40	0.00	3.00
R2MWID	6421	0.19	0.42	0.00	3.00
R3MWID	7815	0.18	0.41	0.00	3.00
R4MWID	6913	0.19	0.42	0.00	3.00
R5MWID	6190	0.20	0.42	0.00	3.00
R6MWID	5583	0.20	0.42	0.00	3.00
R7MWID	4904	0.20	0.42	0.00	3.00
R8MWID	4245	0.20	0.42	0.00	3.00
R9MWID	3685	0.20	0.42	0.00	3.00
S1MWID	4500	0.04	0.20	0.00	2.00
S2MWID	4253	0.04	0.21	0.00	2.00
S3MWID	5173	0.03	0.19	0.00	2.00
S4MWID	4559	0.03	0.19	0.00	2.00
S5MWID	4112	0.03	0.18	0.00	2.00
S6MWID	3716	0.03	0.18	0.00	2.00
S7MWID	3248	0.03	0.18	0.00	2.00
S8MWID	2795	0.03	0.17	0.00	2.00
S9MWID	2390	0.03	0.18	0.00	2.00

**How Constructed**

RwMWID is created using the Wave 3 Life History data. ELSA does not survey respondents as to the number of times they became widowed every wave. Instead, ELSA issued a Life History Interview in Wave 3 that asked questions pertaining to each cohabiting partner the respondent listed in their lifetime, up to 10 relationships. These questions included year started living together, marital status, whether divorced, and year the relationship ended.

RwMWID collects the number of different cohabiting partners the respondent reported having married and reported that the relationship ended in widowhood by the time of the current wave. If the widowed date or marriage date in the Life History data or the interview date for the current wave is missing, then the reported widowhood was not added into the count of RwMWID. RwMWID is set to a special missing code .d when marriage ending status or date of partner's death is reported as "don't know." RwMWID is set to a

special missing code .m when marriage ending status or date of partner's death is reported as "missing." Rwmwid is set to a special missing code .r when marriage ending status or date of partner's death is reported as "refused." Rwmwid is set to a special missing code .l when the respondent did not complete the Life History interview. Rwmwid in Wave 4 and onward is set to a special missing code .b when the respondent did not complete the Wave 3 core interview with the Life History interview or when the respondent missed a core interview since the completion of the Life History module. Both circumstances signify a break in the panel which do not allow us to accurately calculate the number of times widowed. Rwmwid is set to plain missing (.) for respondents who did not respond to the current wave.

Swmwid is the number of times the current wave's spouse has been widowed. It is taken from the spouse's values to Rwmwid. In addition to the special missing codes used in Rwmwid, Swmwid employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value code of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value code of .v is used.

## Cross Wave Differences in ELSA

The Life History interview was given to willing respondents after their Wave 3 interview. Marital history measures for Waves 1 - 3 are calculated using the Life History data up until the interview date of the current wave. From Wave 4 onward, marital history measures are calculated using the Life History data up until the time of the Wave 3 interview, the marital status reported in the Wave 3 core interview, the marital status reported in the current wave's core interview, and marital status reported in the core interview for every wave between Wave 3 and the current wave. Marital history measures are not calculated for any respondent who skips either a core interview in Wave 3 or any core interview between Wave 3 and the current wave.

In Waves 8 and 9, although respondents are still asked whether they consider themselves married or partnered, the derived marital status variable released in the public dataset does not make a distinction between marriage and partnership.

## Differences with the RAND HRS/Harmonized HRS

In the ELSA Wave 3 Life History Survey respondents can report up to 10 relationships including their current relationship. ELSA respondents then are surveyed as to whether they were married to the individual in each relationship. HRS respondents are asked to report marriages instead. HRS respondents could list either 4 marriages or an unlimited number of marriages depending on when they were first interviewed.

## ELSA Variables Used

Wave 1 Core:	
IINTDTY	year of individual interview: year of date: today~s date
Wave 2 Core:	
IINTDTY	Year of Individual Interview
Wave 3 Core:	
IINTDATY	year of individual interview
Wave 3 Life History:	
RPDIY	year partner died (1st loop)
RPDIY2	year partner died (2nd loop)
RPDIY3	year partner died (3rd loop)
RPDIY4	year partner died (4th loop)
RPDIY5	year partner died (5th loop)
RPDIY6	year partner died (6th loop)
RPDIY7	year partner died (7th loop)
RPFIN	reason relationship ended (1st loop)
RPFIN2	reason relationship ended (2nd loop)
RPFIN3	reason relationship ended (2nd loop)
RPFIN4	reason relationship ended (4th loop)
RPFIN5	reason relationship ended (5th loop)
RPFIN6	reason relationship ended (6th loop)
RPFIN7	reason relationship ended (7th loop)
RPMARST	(dv) marital status (1st loop)

RPMARST (dv) marital status (1st loop)  
 RPMARST2 (dv) marital status (2nd loop)  
 RPMARST3 (dv) marital status (3rd loop)  
 RPMARST4 (dv) marital status (4th loop)  
 RPMARST5 (dv) marital status (5th loop)  
 RPMARST6 (dv) marital status (6th loop)  
 RPMARST7 (dv) marital status (7th loop)

## Wave 4 Core:

DHR relationship of this person to person 1 in the household  
 DHR10 relationship of this person to person 10 in the household  
 DHR11 relationship of this person to person 11 in the household  
 DHR12 relationship of this person to person 12 in the household  
 DHR2 relationship of this person to person 2 in the household  
 DHR3 relationship of this person to person 3 in the household  
 DHR4 relationship of this person to person 4 in the household  
 DHR5 relationship of this person to person 5 in the household  
 DHR6 relationship of this person to person 6 in the household  
 DHR7 relationship of this person to person 7 in the household  
 DHR8 relationship of this person to person 8 in the household  
 DHR9 relationship of this person to person 9 in the household  
 DIMAR respondent current legal marital status

## Wave 5 Core:

DHR Relationship of this person to Person 1 in the household  
 DHR10 Relationship of this person to Person 10 in the household  
 DHR11 Relationship of this person to Person 11 in the household  
 DHR12 Relationship of this person to Person 12 in the household  
 DHR2 Relationship of this person to Person 2 in the household  
 DHR3 Relationship of this person to Person 3 in the household  
 DHR4 Relationship of this person to Person 4 in the household  
 DHR5 Relationship of this person to Person 5 in the household  
 DHR6 Relationship of this person to Person 6 in the household  
 DHR7 Relationship of this person to Person 7 in the household  
 DHR8 Relationship of this person to Person 8 in the household  
 DHR9 Relationship of this person to Person 9 in the household  
 DIMAR Respondent current legal marital status

## Wave 6 Core:

DHR relationship of this person to person 1 in the household  
 DHR10 relationship of this person to person 10 in the household  
 DHR11 relationship of this person to person 11 in the household  
 DHR12 relationship of this person to person 12 in the household  
 DHR2 relationship of this person to person 2 in the household  
 DHR3 relationship of this person to person 3 in the household  
 DHR4 relationship of this person to person 4 in the household  
 DHR5 relationship of this person to person 5 in the household  
 DHR6 relationship of this person to person 6 in the household  
 DHR7 relationship of this person to person 7 in the household  
 DHR8 relationship of this person to person 8 in the household  
 DHR9 relationship of this person to person 9 in the household  
 DIMAR respondent current legal marital status

## Wave 7 Core:

DHR relationship of this person to person 1 in the household  
 DHR10 relationship of this person to person 10 in the household  
 DHR11 relationship of this person to person 11 in the household  
 DHR12 relationship of this person to person 12 in the household  
 DHR2 relationship of this person to person 2 in the household  
 DHR3 relationship of this person to person 3 in the household  
 DHR4 relationship of this person to person 4 in the household  
 DHR5 relationship of this person to person 5 in the household  
 DHR6 relationship of this person to person 6 in the household  
 DHR7 relationship of this person to person 7 in the household  
 DHR8 relationship of this person to person 8 in the household  
 DHR9 relationship of this person to person 9 in the household  
 DIMAR respondent current legal marital status

## Wave 8 Core:

DHR	relationship of this person to person 1 in the household
DHR10	relationship of this person to person 10 in the household
DHR11	relationship of this person to person 11 in the household
DHR12	relationship of this person to person 12 in the household
DHR2	relationship of this person to person 2 in the household
DHR3	relationship of this person to person 3 in the household
DHR4	relationship of this person to person 4 in the household
DHR5	relationship of this person to person 5 in the household
DHR6	relationship of this person to person 6 in the household
DHR7	relationship of this person to person 7 in the household
DHR8	relationship of this person to person 8 in the household
DHR9	relationship of this person to person 9 in the household
DIMARR	(d) respondent current legal marital status - combined m

## Wave 9 Core:

DHR	Relationship of this person to person 1 in the household
DHR10	Relationship of this person to person 10 in the household
DHR11	Relationship of this person to person 11 in the household
DHR12	Relationship of this person to person 12 in the household
DHR2	Relationship of this person to person 2 in the household
DHR3	Relationship of this person to person 3 in the household
DHR4	Relationship of this person to person 4 in the household
DHR5	Relationship of this person to person 5 in the household
DHR6	Relationship of this person to person 6 in the household
DHR7	Relationship of this person to person 7 in the household
DHR8	Relationship of this person to person 8 in the household
DHR9	Relationship of this person to person 9 in the household
DIMARR	(D) Respondent current legal marital status - combined m



**Marital History: # Times Don't Know**

Wave	Variable	Label	Type
1	R1MEND	r1mend:w1 r # times unknown end marriage	Categ
2	R2MEND	r2mend:w2 r # times unknown end marriage	Categ
3	R3MEND	r3mend:w3 r # times unknown end marriage	Categ
4	R4MEND	r4mend:w4 r # times unknown end marriage	Categ
5	R5MEND	r5mend:w5 r # times unknown end marriage	Categ
6	R6MEND	r6mend:w6 r # times unknown end marriage	Categ
7	R7MEND	r7mend:w7 r # times unknown end marriage	Categ
8	R8MEND	r8mend:w8 r # times unknown end marriage	Categ
9	R9MEND	r9mend:w9 r # times unknown end marriage	Categ
1	S1MEND	s1mend:w1 s # times unknown end marriage	Categ
2	S2MEND	s2mend:w2 s # times unknown end marriage	Categ
3	S3MEND	s3mend:w3 s # times unknown end marriage	Categ
4	S4MEND	s4mend:w4 s # times unknown end marriage	Categ
5	S5MEND	s5mend:w5 s # times unknown end marriage	Categ
6	S6MEND	s6mend:w6 s # times unknown end marriage	Categ
7	S7MEND	s7mend:w7 s # times unknown end marriage	Categ
8	S8MEND	s8mend:w8 s # times unknown end marriage	Categ
9	S9MEND	s9mend:w9 s # times unknown end marriage	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MEND	6576	0.00	0.03	0.00	1.00
R2MEND	6434	0.00	0.03	0.00	1.00
R3MEND	7828	0.00	0.03	0.00	1.00
R4MEND	6917	0.00	0.03	0.00	1.00
R5MEND	6193	0.00	0.04	0.00	1.00
R6MEND	5585	0.00	0.04	0.00	1.00
R7MEND	4904	0.00	0.05	0.00	1.00
R8MEND	4245	0.00	0.05	0.00	1.00
R9MEND	3685	0.00	0.06	0.00	1.00
S1MEND	4501	0.00	0.02	0.00	1.00
S2MEND	4254	0.00	0.02	0.00	1.00
S3MEND	5174	0.00	0.02	0.00	1.00
S4MEND	4559	0.00	0.03	0.00	1.00
S5MEND	4112	0.00	0.03	0.00	1.00
S6MEND	3716	0.00	0.03	0.00	1.00
S7MEND	3248	0.00	0.04	0.00	1.00
S8MEND	2795	0.00	0.04	0.00	1.00
S9MEND	2390	0.00	0.05	0.00	1.00

**How Constructed**

RwMEND is created using the Wave 3 Life History data. ELSA issued a Life History Interview in Wave 3 that asked questions pertaining to each cohabiting partner the respondent listed in their lifetime, up to 10 relationships. These questions included year started living together, marital status, whether divorced, and year relationship ended.

RwMEND collects the number of different cohabiting partners the respondent reported having been married to by the time of the current wave and reported the relationship ended but that the marriage did not end due to divorce or widowhood. There are two instances where a marriage was considered to have ended due to unknown reasons. The first is if the respondent reported that the marriage ended but the marriage end was reported as "other". The second was if the respondent reported another marriage date (by the time of the current wave) after the first marriage but didn't report the earlier marriage as ending in divorce,

widowhood, or other. If the marriage dates in the Life History data or the interview date for the current wave are missing, the marriage was not counted in RwmEND. RwmEND is set to a special missing code .d when marriage ending status is reported as "don't know." RwmEND is set to a special missing code .m when marriage ending status is reported as "missing." RwmEND is set to a special missing code .r when marriage ending status is reported as "refused." RwmEND is set to a special missing code .l when the respondent did not complete the Life History interview. RwmEND in Wave 4 and onward is set to a special missing code .b when the respondent did not complete the Wave 3 core interview with the Life History Interview or when the respondent missed a core interview since the completion of the Life History module. Both circumstances signify a break in the panel which do not allow us to accurately calculate the number of unknown marriage ends. RwmEND is set to plain missing (.) for respondents who did not respond to the current wave.

SwMEND is the number of marriages of the current wave's spouse which ended due to unknown reasons. It is taken from the spouse's values to RwmEND. In addition to the special missing codes used in RwmEND, SwMEND employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

### Cross Wave Differences in ELSA

The Life History Interview was given to willing respondents after their Wave 3 interview. Marital history measures for Waves 1 - 3 are calculated using the Life History data up until the interview date of the current wave. From Wave 4 onward, marital history measures are calculated using the Life History data up until the time of the Wave 3 interview, the marital status reported in the Wave 3 core interview, the marital status reported in the current wave's core interview, and marital status reported in the core interview for every wave between Wave 3 and the current wave. Marital history measures are not calculated for any respondent who skips either a core interview in Wave 3 or any core interview between Wave 3 and the current wave.

In Waves 8 and 9, although respondents are still asked whether they consider themselves married or partnered, the derived marital status variable released in the public dataset does not make a distinction between marriage and partnership.

### Differences with the RAND HRS/Harmonized HRS

In the ELSA Wave 3 Life History Survey respondents can report up to 10 relationships including their current relationship. ELSA respondents then are surveyed as to whether they were married to the individual in each relationship. HRS respondents are asked to report marriages instead. HRS respondents could list either 4 marriages or an unlimited number of marriages depending on the year they were first interviewed.

### ELSA Variables Used

Wave 1 Core:	
IINTDTY	year of individual interview: year of date: today~s date
Wave 2 Core:	
IINTDTY	Year of Individual Interview
Wave 3 Core:	
IINTDATY	year of individual interview
Wave 3 Life History:	
RPFIN	reason relationship ended (1st loop)
RPFIN2	reason relationship ended (2nd loop)
RPFIN3	reason relationship ended (2nd loop)
RPFIN4	reason relationship ended (4th loop)
RPFIN5	reason relationship ended (5th loop)
RPFIN6	reason relationship ended (6th loop)
RPFIN7	reason relationship ended (7th loop)
RPMARST	(dv) marital status (1st loop)
RPMARST	(dv) marital status (1st loop)
RPMARST2	(dv) marital status (2nd loop)
RPMARST3	(dv) marital status (3rd loop)

RPMARST4 (dv) marital status (4th loop)  
 RPMARST5 (dv) marital status (5th loop)  
 RPMARST6 (dv) marital status (6th loop)  
 RPMARST7 (dv) marital status (7th loop)  
 RPYRMA (dv) year of marriage (1st loop)  
 RPYRMA2 (dv) year of marriage (2nd loop)  
 RPYRMA3 (dv) year of marriage (3rd loop)  
 RPYRMA4 (dv) year of marriage (4th loop)  
 RPYRMA5 (dv) year of marriage (5th loop)  
 RPYRMA6 (dv) year of marriage (6th loop)  
 RPYRMA7 (dv) year of marriage (7th loop)

## Wave 4 Core:

DHR relationship of this person to person 1 in the household  
 DHR10 relationship of this person to person 10 in the household  
 DHR11 relationship of this person to person 11 in the household  
 DHR12 relationship of this person to person 12 in the household  
 DHR2 relationship of this person to person 2 in the household  
 DHR3 relationship of this person to person 3 in the household  
 DHR4 relationship of this person to person 4 in the household  
 DHR5 relationship of this person to person 5 in the household  
 DHR6 relationship of this person to person 6 in the household  
 DHR7 relationship of this person to person 7 in the household  
 DHR8 relationship of this person to person 8 in the household  
 DHR9 relationship of this person to person 9 in the household  
 DIMAR respondent current legal marital status

## Wave 5 Core:

DHR Relationship of this person to Person 1 in the household  
 DHR10 Relationship of this person to Person 10 in the household  
 DHR11 Relationship of this person to Person 11 in the household  
 DHR12 Relationship of this person to Person 12 in the household  
 DHR2 Relationship of this person to Person 2 in the household  
 DHR3 Relationship of this person to Person 3 in the household  
 DHR4 Relationship of this person to Person 4 in the household  
 DHR5 Relationship of this person to Person 5 in the household  
 DHR6 Relationship of this person to Person 6 in the household  
 DHR7 Relationship of this person to Person 7 in the household  
 DHR8 Relationship of this person to Person 8 in the household  
 DHR9 Relationship of this person to Person 9 in the household  
 DIMAR Respondent current legal marital status

## Wave 6 Core:

DHR relationship of this person to person 1 in the household  
 DHR10 relationship of this person to person 10 in the household  
 DHR11 relationship of this person to person 11 in the household  
 DHR12 relationship of this person to person 12 in the household  
 DHR2 relationship of this person to person 2 in the household  
 DHR3 relationship of this person to person 3 in the household  
 DHR4 relationship of this person to person 4 in the household  
 DHR5 relationship of this person to person 5 in the household  
 DHR6 relationship of this person to person 6 in the household  
 DHR7 relationship of this person to person 7 in the household  
 DHR8 relationship of this person to person 8 in the household  
 DHR9 relationship of this person to person 9 in the household  
 DIMAR respondent current legal marital status

## Wave 7 Core:

DHR relationship of this person to person 1 in the household  
 DHR10 relationship of this person to person 10 in the household  
 DHR11 relationship of this person to person 11 in the household  
 DHR12 relationship of this person to person 12 in the household  
 DHR2 relationship of this person to person 2 in the household  
 DHR3 relationship of this person to person 3 in the household  
 DHR4 relationship of this person to person 4 in the household  
 DHR5 relationship of this person to person 5 in the household  
 DHR6 relationship of this person to person 6 in the household

DHR7 relationship of this person to person 7 in the household  
DHR8 relationship of this person to person 8 in the household  
DHR9 relationship of this person to person 9 in the household  
DIMAR respondent current legal marital status

## Wave 8 Core:

DHR relationship of this person to person 1 in the household  
DHR10 relationship of this person to person 10 in the household  
DHR11 relationship of this person to person 11 in the household  
DHR12 relationship of this person to person 12 in the household  
DHR2 relationship of this person to person 2 in the household  
DHR3 relationship of this person to person 3 in the household  
DHR4 relationship of this person to person 4 in the household  
DHR5 relationship of this person to person 5 in the household  
DHR6 relationship of this person to person 6 in the household  
DHR7 relationship of this person to person 7 in the household  
DHR8 relationship of this person to person 8 in the household  
DHR9 relationship of this person to person 9 in the household  
DIMARR (d) respondent current legal marital status - combined m

## Wave 9 Core:

DHR Relationship of this person to person 1 in the household  
DHR10 Relationship of this person to person 10 in the household  
DHR11 Relationship of this person to person 11 in the household  
DHR12 Relationship of this person to person 12 in the household  
DHR2 Relationship of this person to person 2 in the household  
DHR3 Relationship of this person to person 3 in the household  
DHR4 Relationship of this person to person 4 in the household  
DHR5 Relationship of this person to person 5 in the household  
DHR6 Relationship of this person to person 6 in the household  
DHR7 Relationship of this person to person 7 in the household  
DHR8 Relationship of this person to person 8 in the household  
DHR9 Relationship of this person to person 9 in the household  
DIMARR (D) Respondent current legal marital status - combined m

### Length of Current Marriage

Wave	Variable	Label	Type
1	R1MCURLN	r1mcurln:w1 r length of current marriage	Categ
2	R2MCURLN	r2mcurln:w2 r length of current marriage	Categ
3	R3MCURLN	r3mcurln:w3 r length of current marriage	Categ
4	R4MCURLN	r4mcurln:w4 r length of current marriage	Categ
5	R5MCURLN	r5mcurln:w5 r length of current marriage	Categ
6	R6MCURLN	r6mcurln:w6 r length of current marriage	Categ
7	R7MCURLN	r7mcurln:w7 r length of current marriage	Categ
8	R8MCURLN	r8mcurln:w8 r length of current marriage	Categ
9	R9MCURLN	r9mcurln:w9 r length of current marriage	Categ
1	S1MCURLN	s1mcurln:w1 s length of current marriage	Categ
2	S2MCURLN	s2mcurln:w2 s length of current marriage	Categ
3	S3MCURLN	s3mcurln:w3 s length of current marriage	Categ
4	S4MCURLN	s4mcurln:w4 s length of current marriage	Categ
5	S5MCURLN	s5mcurln:w5 s length of current marriage	Categ
6	S6MCURLN	s6mcurln:w6 s length of current marriage	Categ
7	S7MCURLN	s7mcurln:w7 s length of current marriage	Categ
8	S8MCURLN	s8mcurln:w8 s length of current marriage	Categ
9	S9MCURLN	s9mcurln:w9 s length of current marriage	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MCURLN	4483	33.82	12.63	0.00	65.00
R2MCURLN	4284	35.57	12.89	0.00	65.00
R3MCURLN	5191	34.55	13.59	0.00	67.00
R4MCURLN	4459	36.59	13.11	2.00	70.00
R5MCURLN	3984	38.18	13.11	3.00	69.00
R6MCURLN	3680	39.54	12.67	5.00	70.00
R7MCURLN	3236	41.22	12.38	7.00	70.00
R8MCURLN	2798	42.54	11.98	9.00	69.00
R9MCURLN	2113	46.28	10.50	12.00	72.00
S1MCURLN	4185	34.01	12.55	0.00	65.00
S2MCURLN	3971	35.77	12.77	0.00	65.00
S3MCURLN	4796	34.69	13.50	0.00	67.00
S4MCURLN	4199	36.69	13.17	2.00	70.00
S5MCURLN	3802	38.21	13.03	3.00	69.00
S6MCURLN	3540	39.51	12.69	5.00	70.00
S7MCURLN	3108	41.19	12.38	7.00	70.00
S8MCURLN	2675	42.52	11.96	9.00	69.00
S9MCURLN	2005	46.26	10.49	12.00	72.00

### How Constructed

RwMCURLN is created using the Wave 3 Life History data. ELSA does not survey respondents as to the length of their current marriage in every wave. Instead, ELSA issued a Life History Interview in Wave 3 that asked questions pertaining to each cohabiting partner the respondent listed in their lifetime, up to 10 relationships. These questions included year started living together, marital status, whether divorced, and year relationship ended.

RwMCURLN is the length of the respondent's current marriage in years at the current wave. Current marriage is defined as a reported marriage (by the time of the current wave) which has not ended in divorce, widowhood, or "other," and which is not followed by any newer marriages or spouses. The length of the current marriage is calculated by subtracting the marriage date from the interview date for the current wave. If the marriage date or interview date for the current wave is missing, the marriage length

is not calculated for RwmCURLN. RwmCURLN is set to a special missing value .d when marriage ending status, marriage status, divorce date, or date of partner's death is reported as "don't know." RwmCURLN is set to a special missing value .m when marriage ending status, marriage status, divorce date, or date of partner's death is reported as "missing." RwmCURLN is set to a special missing value .r when marriage ending status, marriage status, divorce date, or date of partner's death is reported as "refused." RwmCURLN is set to a special missing code .l when the respondent did not complete the Life History interview. RwmCURLN in Wave 4 and onward is set to a special missing code .b when the respondent did not complete the Wave 3 core interview with the Life History interview or when the respondent missed a core interview since the completion of the Life History module. Both circumstances signify a break in the panel which do not allow us to accurately calculate the length of the current marriage. RwmCURLN is set to special missing .u if the respondent does not report being married at the current interview. RwmCURLN is set to plain missing (.) for respondents who did not respond to the current wave.

SwmCURLN measures the length of the current wave's spouse's current marriage. It is taken from the spouse's values to RwmCURLN. In addition to the special missing codes used in RwmCURLN, SwmCURLN employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

### Cross Wave Differences in ELSA

The Life History interview was given to willing respondents after their Wave 3 interview. Length of marriages in Waves 1 - 3 are calculated using the Life History data up until the interview date of the current wave. From Wave 4 onward, length of marriages are calculated using the Life History data up until time of the Wave 3 interview, the marital status reported in the Wave 3 core interview, the marital status reported in the current wave's core interview, and marital status reported in the core interview for every wave between Wave 3 and the current wave. Marital history measures are not calculated for any respondent who skips either the core interview in Wave 3 or any other core interviews between Wave 3 and the current wave.

In Waves 8 and 9, although respondents are still asked whether they consider themselves married or partnered, the derived marital status variable released in the public dataset does not make a distinction between marriage and partnership.

### Differences with the RAND HRS/Harmonized HRS

In the ELSA Wave 3 Life History Survey respondents can report up to 10 relationships including their current relationship. ELSA respondents then are surveyed as to whether they were married to the individual in each relationship. HRS respondents are asked to report marriages instead. HRS respondents could list either 4 marriages or an unlimited number of marriages depending on the year when they were first interviewed.

### ELSA Variables Used

Wave 1 Core:	
IINTDTY	year of individual interview: year of date: today~s date
Wave 2 Core:	
IINTDTY	Year of Individual Interview
Wave 3 Core:	
IINTDATY	year of individual interview
Wave 3 Life History:	
RPDIY	year partner died (1st loop)
RPDIY2	year partner died (2nd loop)
RPDIY3	year partner died (3rd loop)
RPDIY4	year partner died (4th loop)
RPDIY5	year partner died (5th loop)
RPDIY6	year partner died (6th loop)
RPDIY7	year partner died (7th loop)
RPDYR	year divorced from partner (1st loop)
RPDYR2	year divorced from partner (2nd loop)
RPDYR3	year divorced from partner (3rd loop)

RPDYR4	year divorced from partner (4th loop)
RPDYR5	year divorced from partner (5th loop)
RPDYR6	year divorced from partner (6th loop)
RPDYR7	year divorced from partner (7th loop)
RPFIN	reason relationship ended (1st loop)
RPFIN2	reason relationship ended (2nd loop)
RPFIN3	reason relationship ended (2nd loop)
RPFIN4	reason relationship ended (4th loop)
RPFIN5	reason relationship ended (5th loop)
RPFIN6	reason relationship ended (6th loop)
RPFIN7	reason relationship ended (7th loop)
RPMARST	(dv) marital status (1st loop)
RPYRMA	(dv) year of marriage (1st loop)
RPYRMA2	(dv) year of marriage (2nd loop)
RPYRMA3	(dv) year of marriage (3rd loop)
RPYRMA4	(dv) year of marriage (4th loop)
RPYRMA5	(dv) year of marriage (5th loop)
RPYRMA6	(dv) year of marriage (6th loop)
RPYRMA7	(dv) year of marriage (7th loop)
Wave 4 Core:	
DIMAR	respondent current legal marital status
Wave 5 Core:	
DIMAR	Respondent current legal marital status
Wave 6 Core:	
DIMAR	respondent current legal marital status
Wave 7 Core:	
DIMAR	respondent current legal marital status
Wave 8 Core:	
DIMARR	(d) respondent current legal marital status - combined m
Wave 9 Core:	
DIMARR	(D) Respondent current legal marital status - combined m

<b>Length of Longest Marriage (Including Current)</b>
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Wave	Variable	Label	Type
1	R1MLEN	r1mlen:w1 r length of longest marriage	Cont
2	R2MLEN	r2mlen:w2 r length of longest marriage	Cont
3	R3MLEN	r3mlen:w3 r length of longest marriage	Cont
4	R4MLEN	r4mlen:w4 r length of longest marriage	Cont
5	R5MLEN	r5mlen:w5 r length of longest marriage	Cont
6	R6MLEN	r6mlen:w6 r length of longest marriage	Cont
7	R7MLEN	r7mlen:w7 r length of longest marriage	Cont
8	R8MLEN	r8mlen:w8 r length of longest marriage	Cont
9	R9MLEN	r9mlen:w9 r length of longest marriage	Cont
1	S1MLEN	s1mlen:w1 s length of longest marriage	Cont
2	S2MLEN	s2mlen:w2 s length of longest marriage	Cont
3	S3MLEN	s3mlen:w3 s length of longest marriage	Cont
4	S4MLEN	s4mlen:w4 s length of longest marriage	Cont
5	S5MLEN	s5mlen:w5 s length of longest marriage	Cont
6	S6MLEN	s6mlen:w6 s length of longest marriage	Cont
7	S7MLEN	s7mlen:w7 s length of longest marriage	Cont
8	S8MLEN	s8mlen:w8 s length of longest marriage	Cont
9	S9MLEN	s9mlen:w9 s length of longest marriage	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MLEN	6058	32.91	12.65	0.00	66.00
R2MLEN	5929	34.41	13.03	0.00	66.00
R3MLEN	7164	33.51	13.70	0.00	67.00
R4MLEN	6253	34.85	13.77	0.00	70.00
R5MLEN	5532	35.77	13.96	0.00	69.00
R6MLEN	4943	36.57	14.04	0.00	70.00
R7MLEN	4280	37.58	14.29	0.00	70.00
R8MLEN	3627	38.23	14.48	0.00	69.00
R9MLEN	3075	37.48	16.64	0.00	72.00
S1MLEN	4361	34.27	11.70	1.00	65.00
S2MLEN	4131	36.04	11.88	1.00	65.00
S3MLEN	5001	34.83	12.75	0.00	67.00
S4MLEN	4404	36.48	12.79	1.00	70.00
S5MLEN	3968	37.93	12.75	1.00	69.00
S6MLEN	3587	39.05	12.76	2.00	70.00
S7MLEN	3122	40.55	12.80	3.00	70.00
S8MLEN	2670	41.67	12.63	3.00	69.00
S9MLEN	2272	40.81	15.87	0.00	72.00

### How Constructed

RwMLEN is created using the Wave 3 Life History data. ELSA issued a Life History Interview in Wave 3 that asked questions pertaining to each cohabiting partner the respondent listed in their lifetime, up to 10 relationships. These questions included year started living together, marital status, whether divorced, and year relationship ended.

RwMLEN is the length in years of the respondent's longest marriage at the time of the current wave. Marriage length is calculated for every married partner listed by the respondent. For current marriage, that is a marriage which has not ended due to divorce, widowhood, or "other" and which is not followed by any newer marriages or spouses, marriage length is calculated by subtracting the marriage date from the interview date of the current wave. For marriages which have ended in divorce by the current wave, marriage length is calculated by subtracting the marriage date from the date of the divorce given that no



other marriages were reported as beginning before the date of the divorce. For marriages which have ended in widowhood by the current wave, marriage length is calculated by subtracting the marriage date from the date the partner died given that no other marriages were reported as beginning before the date of the partner's death. Marriage length is not calculated for marriages in which information on the end of the marriage is missing in the Life History data. `RwMLEN` is the length of the longest calculated marriage. If the marriage date, divorce date, date of partner's death, or the interview date for the current wave is missing, the marriage length is not calculated for `RwMLEN`. `RwMLEN` is set to a special missing code `.d` when marriage ending status, marriage status, divorce date, or date of partner's death is reported as "don't know." `RwMLEN` is set to a special missing code `.m` when marriage ending status, marriage status, divorce date, or date of partner's death is reported as "missing." `RwMLEN` is set to a special missing code `.r` when marriage ending status, marriage status, divorce date, or date of partner's death is reported as "refused." `RwMLEN` is set to a special missing code `.l` when the respondent did not complete the Life History interview. `RwMLEN` in Wave 4 and onward is set to a special missing code `.b` when the respondent did not complete the Wave 3 core interview with the Life History interview or when the respondent missed a core interview since the completion of the Life History module. Both circumstances signify a break in the panel which do not allow us to accurately calculate the length of the current marriage. `RwMLEN` is set to a special missing `.n` if the respondent reports never being married. `RwMLEN` is set to plain missing code `(.)` for respondents who did not respond to the current wave.

`SwMLEN` is the length of the current wave's spouse's longest marriage. It is taken from the spouse's values to `RwMLEN`. In addition to the special missing codes used in `RwMLEN`, `SwMLEN` employs two additional special missing codes, `.u` and `.v`. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of `.u` is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of `.v` is used.

## Cross Wave Differences in ELSA

The Life History interview was given to willing respondents after their Wave 3 interview. Length of marriages in Waves 1 - 3 are calculated using the Life History data up until the interview date of the current wave. From Wave 4 onward, length of marriages are calculated using the Life History data up until time of the Wave 3 interview, the marital status reported in the Wave 3 core interview, the marital status reported in the current wave's core interview, and marital status reported in the core interview for every wave between Wave 3 and the current wave. Marital history measures are not calculated for any respondent who skips either the core interview in Wave 3 or any other core interviews between Wave 3 and the current wave.

In Waves 8 and 9, although respondents are still asked whether they consider themselves married or partnered, the derived marital status variable released in the public dataset does not make a distinction between marriage and partnership.

## Differences with the RAND HRS/Harmonized HRS

In the ELSA Wave 3 Life History Survey respondents can report up to 10 relationships including their current relationship. ELSA respondents then are surveyed as to whether they were married to the individual in each relationship. HRS respondents are asked to report marriages instead. HRS respondents could list either 4 marriages or an unlimited number of marriages depending on when they were first interviewed.

## ELSA Variables Used

Wave 1 Core:	
IINTDTY	year of individual interview: year of date: today~s date
Wave 2 Core:	
IINTDTY	Year of Individual Interview
Wave 3 Core:	
IINTDATY	year of individual interview
Wave 3 Life History:	
RPDIY	year partner died (1st loop)
RPDIY2	year partner died (2nd loop)
RPDIY3	year partner died (3rd loop)
RPDIY4	year partner died (4th loop)
RPDIY5	year partner died (5th loop)

RPDIY6	year partner died (6th loop)
RPDIY7	year partner died (7th loop)
RPDYR	year divorced from partner (1st loop)
RPDYR2	year divorced from partner (2nd loop)
RPDYR3	year divorced from partner (3rd loop)
RPDYR4	year divorced from partner (4th loop)
RPDYR5	year divorced from partner (5th loop)
RPDYR6	year divorced from partner (6th loop)
RPDYR7	year divorced from partner (7th loop)
RPFIN	reason relationship ended (1st loop)
RPFIN2	reason relationship ended (2nd loop)
RPFIN3	reason relationship ended (2nd loop)
RPFIN4	reason relationship ended (4th loop)
RPFIN5	reason relationship ended (5th loop)
RPFIN6	reason relationship ended (6th loop)
RPFIN7	reason relationship ended (7th loop)
RPMARST	(dv) marital status (1st loop)
RPYRMA	(dv) year of marriage (1st loop)
RPYRMA2	(dv) year of marriage (2nd loop)
RPYRMA3	(dv) year of marriage (3rd loop)
RPYRMA4	(dv) year of marriage (4th loop)
RPYRMA5	(dv) year of marriage (5th loop)
RPYRMA6	(dv) year of marriage (6th loop)
RPYRMA7	(dv) year of marriage (7th loop)
Wave 4 Core:	
DIMAR	respondent current legal marital status
INTDATY	year of household interview
Wave 5 Core:	
DIMAR	Respondent current legal marital status
IINTDATY	Year of Individual Interview
Wave 6 Core:	
DIMAR	respondent current legal marital status
IINTDATY	year of individual interview
Wave 7 Core:	
DIMAR	respondent current legal marital status
IINTDATY	year of individual interview
Wave 8 Core:	
DIMARR	(d) respondent current legal marital status - combined m
IINTDATY	interview year
Wave 9 Core:	
DIMARR	(D) Respondent current legal marital status - combined m
IINTDATY	Interview year

**Place of Birth**

Wave	Variable	Label	Type
1	RABPLACE	rabplace: r place of birth	Categ
1	S1BPLACE	s1bplace:w1 s place of birth	Categ
2	S2BPLACE	s2bplace:w2 s place of birth	Categ
3	S3BPLACE	s3bplace:w3 s place of birth	Categ
4	S4BPLACE	s4bplace:w4 s place of birth	Categ
5	S5BPLACE	s5bplace:w5 s place of birth	Categ
6	S6BPLACE	s6bplace:w6 s place of birth	Categ
7	S7BPLACE	s7bplace:w7 s place of birth	Categ
8	S8BPLACE	s8bplace:w8 s place of birth	Categ
9	S9BPLACE	s9bplace:w9 s place of birth	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
RABPLACE	19712	1.98	2.98	1.00	11.00
S1BPLACE	8002	1.67	2.50	1.00	11.00
S2BPLACE	6152	1.58	2.34	1.00	11.00
S3BPLACE	6353	1.76	2.66	1.00	11.00
S4BPLACE	7360	1.91	2.88	1.00	11.00
S5BPLACE	6925	1.92	2.89	1.00	11.00
S6BPLACE	7204	1.97	2.97	1.00	11.00
S7BPLACE	6528	1.99	2.99	1.00	11.00
S8BPLACE	5688	1.97	2.96	1.00	11.00
S9BPLACE	5815	2.08	3.10	1.00	11.00

**Categorical Variable Codes**

Value	RABPLACE
.d:DK	6
.m:Missing	63
.r:Refuse	21
1.uk	17775
11.elsewhere outside of uk	1937

Value	S1BPLACE	S2BPLACE	S3BPLACE	S4BPLACE	S5BPLACE
.d:DK	3	3	1		3
.m:Missing	56	22	30	25	34
.r:Refuse	9	1		17	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.uk	7468	5793	5867	6688	6289
11.elsewhere outside of uk	534	359	486	672	636

Value	S6BPLACE	S7BPLACE	S8BPLACE	S9BPLACE
.d:DK	3	2		
.m:Missing	34	26		3
.r:Refuse	1	4		2
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.uk	6502	5880	5137	5189
11.elsewhere outside of uk	702	648	551	626

**How Constructed**

Place of birth was derived by looking at reports from all waves of data. RABPLACE indicates the respondent's birthplace. A code of 1 indicates the respondent was born inside the UK and a code of 11 indicates that the respondent was born outside of the UK. Don't know, refused, or other missing responses to RABPLACE are assigned special missing codes .d, .r, .m respectively. RABPLACE is set to plain missing (.) for respondents who did not respond to any wave.

SwBPLACE is the place of birth of the current wave's spouse. It is taken from the spouse's values to RABPLACE. In addition to the special missing codes of RABPLACE, SwBPLACE uses several additional special missing codes. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA only provides birth place information as to whether the respondent was born inside or outside of the UK.

## ELSA Variables Used

Wave 1 Core:	
APOBR	hse country of birth collapsed into uk and elsewhere to
FQCBTHR	elsa country of birth collapsed into uk and elsewhere to
Wave 2 Core:	
FQCBTHR	Country of birth recoded into UK and non-UK
Wave 3 Core:	
FQCBTHR	country of birth recoded into uk and non-uk
Wave 4 Core:	
FQCBTHR	country of birth recoded into uk and non-uk
Wave 5 Core:	
FQCBTHR	Country of birth recoded into UK and non-UK
Wave 6 Core:	
FQCBTHR	country of birth recoded into uk and non-uk
Wave 7 Core:	
FQCBTHR	country of birth recoded into uk and non-uk
Wave 8 Core:	
FQCBTHMR	(d) country of birth recoded into uk and non-uk (consoli
Wave 9 Core:	
FQCBTHMR	(D) Country of birth recoded into UK and non-UK (consoli

**Whether Born in Country of Interview**

Wave	Variable	Label	Type
1	RABCOUNTRY	rabcountry: r born in country of interview	Categ
1	S1BCOUNTRY	s1bcountry:w1 s born in country of interview	Categ
2	S2BCOUNTRY	s2bcountry:w2 s born in country of interview	Categ
3	S3BCOUNTRY	s3bcountry:w3 s born in country of interview	Categ
4	S4BCOUNTRY	s4bcountry:w4 s born in country of interview	Categ
5	S5BCOUNTRY	s5bcountry:w5 s born in country of interview	Categ
6	S6BCOUNTRY	s6bcountry:w6 s born in country of interview	Categ
7	S7BCOUNTRY	s7bcountry:w7 s born in country of interview	Categ
8	S8BCOUNTRY	s8bcountry:w8 s born in country of interview	Categ
9	S9BCOUNTRY	s9bcountry:w9 s born in country of interview	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
RABCOUNTRY	19712	0.90	0.30	0.00	1.00
S1BCOUNTRY	8002	0.93	0.25	0.00	1.00
S2BCOUNTRY	6152	0.94	0.23	0.00	1.00
S3BCOUNTRY	6353	0.92	0.27	0.00	1.00
S4BCOUNTRY	7360	0.91	0.29	0.00	1.00
S5BCOUNTRY	6925	0.91	0.29	0.00	1.00
S6BCOUNTRY	7204	0.90	0.30	0.00	1.00
S7BCOUNTRY	6528	0.90	0.30	0.00	1.00
S8BCOUNTRY	5688	0.90	0.30	0.00	1.00
S9BCOUNTRY	5815	0.89	0.31	0.00	1.00

**Categorical Variable Codes**

Value-----	RABCOUNTRY				
.d:DK	6				
.m:Missing	63				
.r:Refuse	21				
0.out of country	1937				
1.in country	17775				
Value-----	S1BCOUNTRY	S2BCOUNTRY	S3BCOUNTRY	S4BCOUNTRY	S5BCOUNTRY
.d:DK	3	3	1		3
.m:Missing	56	22	30	25	34
.r:Refuse	9	1		17	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.out of country	534	359	486	672	636
1.in country	7468	5793	5867	6688	6289
Value-----	S6BCOUNTRY	S7BCOUNTRY	S8BCOUNTRY	S9BCOUNTRY	
.d:DK	3	2			
.m:Missing	34	26		3	
.r:Refuse	1	4		2	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.out of country	702	648	551	626	
1.in country	6502	5880	5137	5189	

**How Constructed**

RABCOUNTRY indicates whether the respondent was born in their interview country, specifically the UK. RABCOUNTRY is assigned a 0 if the interview did not take place in the country of birth (the UK), and is assigned a 1 if the interview did take place in the country of birth (the UK). Place of birth was derived by looking at reports from all waves of data. When respondents don't know, refuse to answer, or are missing, RABCOUNTRY is assigned special missing values .d, .r, or .m, respectively. RABCOUNTRY is set to plain missing (.) for respondents who did not respond to the current wave.

SwBCOUNTRY indicates whether the respondent's current wave's spouse was born in their interview country (the UK). It is taken from the spouse's RABCOUNTRY. In addition to the special missing codes used for RABCOUNTRY, SwBCOUNTRY employs two other special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Unlike ELSA, HRS does not elicit information about the country of birth, so this variable cannot be created.

## ELSA Variables Used

Wave 1 Core:	
APOBR	hse country of birth collapsed into uk and elsewhere to
FQCBTHR	elsa country of birth collapsed into uk and elsewhere to
Wave 2 Core:	
FQCBTHR	Country of birth recoded into UK and non-UK
Wave 3 Core:	
FQCBTHR	country of birth recoded into uk and non-uk
Wave 4 Core:	
FQCBTHR	country of birth recoded into uk and non-uk
Wave 5 Core:	
FQCBTHR	Country of birth recoded into UK and non-UK
Wave 6 Core:	
FQCBTHR	country of birth recoded into uk and non-uk
Wave 7 Core:	
FQCBTHR	country of birth recoded into uk and non-uk
Wave 8 Core:	
FQCBTHMR	(d) country of birth recoded into uk and non-uk (consoli
Wave 9 Core:	
FQCBTHMR	(D) Country of birth recoded into UK and non-UK (consoli

**Religion**

Wave	Variable	Label	Type
1	RARELIG_E	rarelig_e: r religion	Categ
5	S5RELIG_E	s5relig_e:w5 s religion	Categ
9	S9RELIG_E	s9relig_e:w9 s religion	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
RARELIG_E	11193	2.42	2.76	1.00	8.00
S5RELIG_E	6064	2.22	2.61	1.00	8.00
S9RELIG_E	5279	2.55	2.86	1.00	8.00

**Categorical Variable Codes**

Value	RARELIG_E
.i:Irrelevant answer	4
.m:Missing	1159
.p:proxy	368
.r:Refuse	125
.w:not in Wave 5/9	6953
1.Christian	8763
2.Buddhist	37
3.Hindu	70
4.Jewish	52
5.Muslim	102
6.Sikh	32
7.Other non-christian	17
8.None	2120

Value	S5RELIG_E
.i:Irrelevant answer	8
.m:Missing	333
.p:proxy	418
.r:Refuse	141
.u:Unmar	2742
.v:SP NR	568
1.Christian	4931
2.Buddhist	18
3.Hindu	32
4.Jewish	24
5.Muslim	53
6.Sikh	7
7.Other non-christian	4
8.None	995

Value	S9RELIG_E
.m:Missing	531
.r:Refuse	8
.u:Unmar	2286
.v:SP NR	630
.w:not in Wave 5/9	2
1.Christian	4014
2.Buddhist	26
3.Hindu	48
4.Jewish	12
5.Muslim	51
6.Sikh	23
7.Other non-christian	4
8.None	1101

## How Constructed

RARELIG\_E is the respondent's reported religion as surveyed in the Waves 5 and 9 self-completion survey of ELSA. RARELIG\_E takes the first non-missing report of religion. Responses to RARELIG\_E are coded as follows: 1.Christian, 2.Buddhist, 3.Hindu, 4.Jewish, 5.Muslim, 6.Sikh, 7.Other non-Christian, and 8.None. Special missing .w is assigned when the respondent did not complete a Wave 5 or Wave 9 interview and, therefore, an indicator of religion cannot be created. A special missing .i is assigned if the respondent provides an irrelevant answer. A special missing .p is assigned if the respondent is interviewed by proxy and, therefore, not asked to complete the self-completion questionnaire. When respondents don't know, refuse, or are missing for some other reason, RARELIG\_E is set to .d, .r and .m, respectively.

SwRELIG\_E indicates the current wave's spouse's religion in Waves 5 and 9. SwRELIG\_E is taken directly from the spouse's RARELIG\_E. In addition to the special missing codes used in RARELIG\_E, SwRELIG\_E includes two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

The respondent's religion is asked starting in Wave 5, and the variables from Waves 5 and 9 have been released in the public datasets. However, the Wave 6, 7, and 8 variables have not been included in the wave specific dataset, and so cannot be used to update RARELIG\_E.

## Differences with the RAND HRS/Harmonized HRS

ELSA provides different categories of religion than the RAND HRS.

## ELSA Variables Used

Wave 5 Core:	
SCREWH	What is the respondent's religion?
Wave 9 Core:	
SCREWH	Respondent's religion



**Interview in Institution**

Wave	Variable	Label	Type
3	R3NHMLIV	r3nhmliv:w3 R Lives in institution at interview	Categ
4	R4NHMLIV	r4nhmliv:w4 R Lives in institution at interview	Categ
5	R5NHMLIV	r5nhmliv:w5 R Lives in institution at interview	Categ
6	R6NHMLIV	r6nhmliv:w6 R Lives in institution at interview	Categ
7	R7NHMLIV	r7nhmliv:w7 R Lives in institution at interview	Categ
8	R8NHMLIV	r8nhmliv:w8 R Lives in institution at interview	Categ
9	R9NHMLIV	r9nhmliv:w9 R Lives in institution at interview	Categ
3	S3NHMLIV	s3nhmliv:w3 S Lives in institution at interview	Categ
4	S4NHMLIV	s4nhmliv:w4 S Lives in institution at interview	Categ
5	S5NHMLIV	s5nhmliv:w5 S Lives in institution at interview	Categ
6	S6NHMLIV	s6nhmliv:w6 S Lives in institution at interview	Categ
7	S7NHMLIV	s7nhmliv:w7 S Lives in institution at interview	Categ
8	S8NHMLIV	s8nhmliv:w8 S Lives in institution at interview	Categ
9	S9NHMLIV	s9nhmliv:w9 S Lives in institution at interview	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R3NHMLIV	9766	0.00	0.07	0.00	1.00
R4NHMLIV	11050	0.01	0.08	0.00	1.00
R5NHMLIV	10274	0.01	0.08	0.00	1.00
R6NHMLIV	10601	0.01	0.08	0.00	1.00
R7NHMLIV	9666	0.01	0.08	0.00	1.00
R8NHMLIV	8445	0.01	0.08	0.00	1.00
R9NHMLIV	8736	0.01	0.08	0.00	1.00
S3NHMLIV	6384	0.00	0.00	0.00	0.00
S4NHMLIV	7402	0.00	0.00	0.00	0.00
S5NHMLIV	6964	0.00	0.00	0.00	0.00
S6NHMLIV	7242	0.00	0.00	0.00	0.00
S7NHMLIV	6560	0.00	0.00	0.00	0.00
S8NHMLIV	5688	0.00	0.00	0.00	0.00
S9NHMLIV	5820	0.00	0.00	0.00	0.00

**Categorical Variable Codes**

Value-----		R3NHMLIV	R4NHMLIV	R5NHMLIV
0.No		9718	10982	10202
1.Yes		48	68	72
Value-----	R6NHMLIV	R7NHMLIV	R8NHMLIV	R9NHMLIV
0.No	10526	9602	8387	8682
1.Yes	75	64	58	54
Value-----		S3NHMLIV	S4NHMLIV	S5NHMLIV
.u:Unmar		2706	2932	2742
.v:SP NR		676	716	568
0.No		6384	7402	6964
Value-----	S6NHMLIV	S7NHMLIV	S8NHMLIV	S9NHMLIV
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.No	7242	6560	5688	5820

**How Constructed**

While the ELSA study population is restricted to people living in private households at the time of sampling and at the time of fieldwork, ELSA does follow previously interviewed respondents into institutions, such as residential care homes or similar establishments.

RwNHMLIV indicates whether the respondent lives in an institution at the time of the interview. If the respondent lives in an institution at the time of the interview, then RwNHMLIV is coded as 1, if they lived in a private household then RwNHMLIV is coded as 0. Don't know, refuse, and other missing responses to RwNHMLIV are set to special missing .d, .r, and .m, respectively. Responses are set to blank missing (.) when the respondent did not participate in the current wave.

SwNHMLIV indicates whether the respondent's spouse lived in an institution at the time of the interview and is taken directly from the respondent's spouse's values to RwNHMLIV. In addition to the special missing codes used in RwNHMLIV, SwNHMLIV employs the special missing value .u, when the respondent does not report being coupled in the current wave, and the special missing value .v, when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Although ELSA does start to follow people into institutions after the first wave, an indicator of whether or not the interview was conducted in an institution is not made available until Wave 3.

## Differences with the RAND HRS/Harmonized HRS

There are differences between the ELSA sampling strategy and the HRS sampling strategy, but no significant differences in the information provided by RwNHMLIV.

## ELSA Variables Used

Wave 3 Core:	
W3INDOUT	cleaned individual outcome code
Wave 4 Core:	
OUTINDW4	wave 4 individual outcome code
Wave 5 Core:	
W5INDOUT	Wave 5 individual outcome codes
Wave 6 Core:	
W6INDOUT	wave 6 individual outcome code (not updated with mortali
Wave 7 Core:	
W7INDOUT	pname: interviewer: record individual outcome code for p
Wave 8 Core:	
W8INDOUT	individual outcome code
Wave 9 Core:	
W9INDOUT	Individual outcome code

## **Section B: Health**

<b>Self-Report of Health</b>
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Wave	Variable	Label	Type
1	R1SHLT	r1shlt:w1 r self-report of health	Categ
2	R2SHLT	r2shlt:w2 r self-report of health	Categ
4	R4SHLT	r4shlt:w4 r self-report of health	Categ
5	R5SHLT	r5shlt:w5 r self-report of health	Categ
6	R6SHLT	r6shlt:w6 r self-report of health	Categ
7	R7SHLT	r7shlt:w7 r self-report of health	Categ
8	R8SHLT	r8shlt:w8 r self-report of health	Categ
9	R9SHLT	r9shlt:w9 r self-report of health	Categ
1	S1SHLT	s1shlt:w1 s self-report of health	Categ
2	S2SHLT	s2shlt:w2 s self-report of health	Categ
4	S4SHLT	s4shlt:w4 s self-report of health	Categ
5	S5SHLT	s5shlt:w5 s self-report of health	Categ
6	S6SHLT	s6shlt:w6 s self-report of health	Categ
7	S7SHLT	s7shlt:w7 s self-report of health	Categ
8	S8SHLT	s8shlt:w8 s self-report of health	Categ
9	S9SHLT	s9shlt:w9 s self-report of health	Categ
1	R1SHLTF	r1shltf:w1 r flag position of self-report health	Categ
1	S1SHLTF	s1shltf:w1 s flag position of self-report health	Categ
1	R1SHLTA	r1shlta:w1 r self-report of health, European scale	Categ
3	R3SHLTA	r3shlta:w3 r self-report of health, European scale	Categ
1	S1SHLTA	s1shlta:w1 s self-report of health, European scale	Categ
3	S3SHLTA	s3shlta:w3 s self-report of health, European scale	Categ
1	R1SHLTAF	r1shltaf:w1 r flag position of self-report health, European	Categ
1	S1SHLTAF	s1shltaf:w1 s flag position of self-report health, European	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SHLT	11905	2.78	1.12	1.00	5.00
R2SHLT	9294	2.82	1.12	1.00	5.00
R4SHLT	10594	2.79	1.11	1.00	5.00
R5SHLT	9725	2.80	1.11	1.00	5.00
R6SHLT	9979	2.82	1.12	1.00	5.00
R7SHLT	9066	2.81	1.10	1.00	5.00
R8SHLT	7981	2.83	1.11	1.00	5.00
R9SHLT	8188	2.79	1.11	1.00	5.00
S1SHLT	7934	2.72	1.11	1.00	5.00
S2SHLT	6073	2.75	1.11	1.00	5.00
S4SHLT	7062	2.70	1.09	1.00	5.00
S5SHLT	6539	2.70	1.08	1.00	5.00
S6SHLT	6742	2.72	1.10	1.00	5.00
S7SHLT	6073	2.70	1.08	1.00	5.00
S8SHLT	5312	2.73	1.09	1.00	5.00
S9SHLT	5360	2.68	1.08	1.00	5.00
R1SHLTF	11924	1.50	0.50	1.00	2.00
S1SHLTF	7948	1.51	0.50	1.00	2.00

R1SHLTA	11908	2.11	0.95	1.00	5.00
R3SHLTA	9529	2.14	0.91	1.00	5.00
S1SHLTA	7938	2.05	0.93	1.00	5.00
S3SHLTA	6224	2.06	0.88	1.00	5.00
R1SHLTAF	11924	1.50	0.50	1.00	2.00
S1SHLTAF	7948	1.49	0.50	1.00	2.00

### Categorical Variable Codes

Value-----	R1SHLT	R2SHLT	R4SHLT	R5SHLT
.d:DK	14	5	4	8
.m:Missing		9		
.p:proxy	175	123	446	537
.r:Refuse	5	1	6	4
1.Excellent	1576	1179	1353	1180
2.Very good	3467	2598	3091	2902
3.Good	3709	2934	3375	3094
4.Fair	2264	1877	1994	1792
5.Poor	889	706	781	757

Value-----	R6SHLT	R7SHLT	R8SHLT	R9SHLT
.d:DK	4	3	1	2
.p:proxy	614	597	463	545
.r:Refuse	4			1
1.Excellent	1212	1076	931	1033
2.Very good	2892	2640	2291	2371
3.Good	3156	2989	2617	2705
4.Fair	1919	1682	1492	1458
5.Poor	800	679	650	621

Value-----	S1SHLT	S2SHLT	S4SHLT	S5SHLT
.d:DK	10	4	2	6
.m:Missing		7		
.p:proxy	122	93	333	418
.r:Refuse	4	1	5	1
.u:Unmar	3561	2671	2932	2742
.v:SP NR	468	583	716	568
1.Excellent	1135	838	984	872
2.Very good	2404	1788	2198	2092
3.Good	2495	1926	2282	2105
4.Fair	1361	1116	1172	1069
5.Poor	539	405	426	401

Value-----	S6SHLT	S7SHLT	S8SHLT	S9SHLT
.d:DK	3	3	1	1
.p:proxy	494	484	375	459
.r:Refuse	3			
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.Excellent	914	817	695	756
2.Very good	2081	1917	1623	1671
3.Good	2160	1992	1755	1758
4.Fair	1152	981	888	856
5.Poor	435	366	351	319

Value-----	R1SHLTF
.p:proxy	175
1.beginning of module	5906
2.end of module	6018

Value-----	S1SHLTF
.p:proxy	122
.u:Unmar	3561
.v:SP NR	468

1.beginning of module	3926	
2.end of module	4022	
Value-----	R1SHLTA	R3SHLTA
.d:DK	11	5
.p:proxy	175	232
.r:Refuse	5	
1.Very good	3460	2465
2.Good	4788	4072
3.Fair	2784	2328
4.Bad	651	528
5.Very bad	225	136
Value-----	S1SHLTA	S3SHLTA
.d:DK	6	2
.p:proxy	122	158
.r:Refuse	4	
.u:Unmar	3561	2706
.v:SP NR	468	676
1.Very good	2447	1738
2.Good	3295	2783
3.Fair	1667	1360
4.Bad	396	275
5.Very bad	133	68
Value-----	R1SHLTAF	
.p:proxy	175	
1.beginning of module	6018	
2.end of module	5906	
Value-----	S1SHLTAF	
.p:proxy	122	
.u:Unmar	3561	
.v:SP NR	468	
1.beginning of module	4022	
2.end of module	3926	

## How Constructed

RwSHLT is the respondent's self-reported general health status using a scale ranging from Excellent to Poor. Codes range from 1 to 5. This scale of self-reported general health status is used in every wave except the 3rd wave of the ELSA and is recorded in the RWSHLTA variable. Don't know, refused, or other missing responses to RwSHLT are assigned special missing values .d, .r, .m respectively. RwSHLT is set to special missing .p if the health status question was skipped because the interview was by proxy. RwSHLT is set to plain missing (.) for respondents who did not respond to the current wave.

SwSHLT is the respondent's spouse's self-reported general health status taken directly from spouses' values of RwSHLT. In addition to the special missing codes used in RwSHLT, SwSHLT employs two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

ELSA varied when the respondent was asked RwSHLT inside the health module during Wave 1. R1SHLTF indicates this timing. A code of 1 indicates that the respondent was asked RwSHLT at the beginning of the module. A code of 2 indicates that the respondent was asked RwSHLT at the end of the module. RWSHLTF is set to special missing .p if the health status question was skipped because the interview was by proxy. RWSHLTF is set to plain missing (.) for respondents who did not respond to the first wave.

SwSHLTF indicates when the respondent's spouse was asked RwSHLT inside the health module and is taken directly from spouse's values of RWSHLTF. In addition to the special missing codes used in RWSHLTF, SwSHLTF employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

ELSA also employs a second scale of self-reported general health status. RWSHLTA is the respondent's self-reported general health status using a scale ranging from Very Good to Very Bad. Codes range from 1 to 5. This scale of self-reported general health status is used in the 1st and 3rd wave of the ELSA.

Don't know, refused, or other missing values of RWSHLTA are assigned special missing codes .d, .r, .m, respectively. RWSHLTA is set to special missing .p if the health status question was skipped because the interview was by proxy. RWSHLTA is set to plain missing (.) for respondents who did not respond to the current wave.

SwSHLTA is the respondent's spouse's self-reported general health status taken directly from spouse's responses to RWSHLTA. In addition to the special missing codes used in RWSHLTA, SwSHLTA employs two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Like RWSHLT, the ELSA varied when the respondent was asked RWSHLTA inside the health module during Wave 1. R1SHLTAF indicates this timing. A code of 1 indicates that the respondent was asked RWSHLTA at the beginning of the module. A code of 2 indicates that the respondent was asked RWSHLTA at the end of the module. RWSHLTAF is set to special missing .p if the health status question was skipped because the interview was by proxy. RWSHLTAF is set to plain missing (.) for respondents who did not respond to the first wave.

SwSHLTAF indicates when the respondent's spouse was asked RWSHLTA inside the health module and is taken directly from spouses' values of RWSHLTAF. In addition to the special missing codes used in RWSHLTAF, SwSHLTAF employs two additional special missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

The first scale of self-reported general health status is used in every wave except the 3rd wave of the ELSA. The second (alternative) scale of self-reported general health status is used in the 1st wave and 3rd wave of the ELSA.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, the ELSA varied when the respondent was asked RWSHLT inside the health module during Wave 1. R1SHLTF indicates this timing.

Unlike the HRS, ELSA also employs a second scale of self-reported general health status. HwSHLTA is the respondent's self-reported general health status using a scale ranging from Very Good to Very Bad.

## ELSA Variables Used

Wave 1 Core:	
HEGENH	how is your health in general? would you say it was ...? {
HEGENHB	would you say your health is ... ? {end of section}
HEHELF	would you say your health is ... ? {start of section}
HEHELFB	how is your health in general? would you say it was ...? {
Wave 2 Core:	
HEHELF	Self-reported general health
Wave 3 Core:	
HEGENH	self-reported general health
Wave 4 Core:	
HEHELF	self-reported general health
Wave 5 Core:	
HEHELF	Self-reported general health
Wave 6 Core:	
HEHELF	self-reported general health
Wave 7 Core:	
HEHELF	self-reported general health
Wave 8 Core:	
HEHELF	self-reported general health
Wave 9 Core:	
HEHELF	Self-reported general health

### Whether Health Limits Work

Wave	Variable	Label	Type
2	R2HLTHLM	r2hlthlm:w2 r hlth problems limit work	Categ
3	R3HLTHLM	r3hlthlm:w3 r hlth problems limit work	Categ
4	R4HLTHLM	r4hlthlm:w4 r hlth problems limit work	Categ
5	R5HLTHLM	r5hlthlm:w5 r hlth problems limit work	Categ
6	R6HLTHLM	r6hlthlm:w6 r hlth problems limit work	Categ
7	R7HLTHLM	r7hlthlm:w7 r hlth problems limit work	Categ
8	R8HLTHLM	r8hlthlm:w8 r hlth problems limit work	Categ
9	R9HLTHLM	r9hlthlm:w9 r hlth problems limit work	Categ
2	S2HLTHLM	s2hlthlm:w2 s hlth problems limit work	Categ
3	S3HLTHLM	s3hlthlm:w3 s hlth problems limit work	Categ
4	S4HLTHLM	s4hlthlm:w4 s hlth problems limit work	Categ
5	S5HLTHLM	s5hlthlm:w5 s hlth problems limit work	Categ
6	S6HLTHLM	s6hlthlm:w6 s hlth problems limit work	Categ
7	S7HLTHLM	s7hlthlm:w7 s hlth problems limit work	Categ
8	S8HLTHLM	s8hlthlm:w8 s hlth problems limit work	Categ
9	S9HLTHLM	s9hlthlm:w9 s hlth problems limit work	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2HLTHLM	9289	0.33	0.47	0.00	1.00
R3HLTHLM	9517	0.31	0.46	0.00	1.00
R4HLTHLM	10588	0.31	0.46	0.00	1.00
R5HLTHLM	9722	0.32	0.47	0.00	1.00
R6HLTHLM	9968	0.30	0.46	0.00	1.00
R7HLTHLM	9057	0.30	0.46	0.00	1.00
R8HLTHLM	7976	0.30	0.46	0.00	1.00
R9HLTHLM	8183	0.28	0.45	0.00	1.00
S2HLTHLM	6073	0.29	0.46	0.00	1.00
S3HLTHLM	6217	0.26	0.44	0.00	1.00
S4HLTHLM	7059	0.27	0.45	0.00	1.00
S5HLTHLM	6537	0.27	0.44	0.00	1.00
S6HLTHLM	6738	0.26	0.44	0.00	1.00
S7HLTHLM	6070	0.26	0.44	0.00	1.00
S8HLTHLM	5312	0.26	0.44	0.00	1.00
S9HLTHLM	5357	0.24	0.43	0.00	1.00

### Categorical Variable Codes

Value-----	R2HLTHLM	R3HLTHLM	R4HLTHLM	R5HLTHLM
.d:DK	10	17	9	10
.m:Missing	9			
.p:proxy	123	232	446	537
.r:Refuse	1		7	5
0.no	6255	6601	7332	6640
1.yes	3034	2916	3256	3082
Value-----	R6HLTHLM	R7HLTHLM	R8HLTHLM	R9HLTHLM
.d:DK	15	11	6	6
.p:proxy	614	597	463	545
.r:Refuse	4	1		2
0.no	6954	6354	5581	5860
1.yes	3014	2703	2395	2323
Value-----	S2HLTHLM	S3HLTHLM	S4HLTHLM	S5HLTHLM



.d:DK	4	9	5	7
.m:Missing	7			
.p:proxy	93	158	333	418
.r:Refuse	1		5	2
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
0.no	4295	4574	5131	4776
1.yes	1778	1643	1928	1761

Value-----	S6HLTHLM	S7HLTHLM	S8HLTHLM	S9HLTHLM
.d:DK	7	6	1	4
.p:proxy	494	484	375	459
.r:Refuse	3			
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	4989	4521	3937	4050
1.yes	1749	1549	1375	1307

## How Constructed

RwHLTHLM indicates whether an impairment or health problem limits the kind or amount of paid work for the respondent. A code of 0 indicates that the respondent reports their work is not limited by a health problem. A code of 1 indicates that the respondent reports their work is limited by a health problem. Don't know, refused, or other missing values of RwHLTHLM are assigned special missing codes .d, .r, .m, respectively. RwHLTHLM is set to special missing .p if the health problems limit work question was skipped because the interview was by proxy. RwHLTHLM is set to plain missing (.) for respondents who did not respond to the current wave.

SwHLTHLM is the respondent's spouse's self-reported general health status taken directly from spouse's responses to RwHLTHLM. In addition to the special missing codes used in RwHLTHLM, SwHLTHLM employs two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

This question is not asked in the 1st wave of ELSA but is asked in every following wave.

## Differences with the RAND HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

### Wave 2 Core:

ASKPX1 Whether interviewed by proxy  
HELWK Whether has self-reported health problem/disability that

### Wave 3 Core:

ASKPX whether respondent had a proxy interview  
HELWK whether has self-reported health problem/disability that

### Wave 4 Core:

ASKPX whether respondent had an interview by proxy  
HELWK whether has self-reported health problem/disability that

### Wave 5 Core:

ASKPX Whether respondent had an interview by proxy  
HELWK Whether has self-reported health problem/disability that

### Wave 6 Core:

ASKPX whether respondent had an interview by proxy  
HELWK whether has self-reported health problem/disability that

### Wave 7 Core:

ASKPX whether respondent had an interview by proxy  
HELWK whether has self-reported health problem/disability that

### Wave 8 Core:

ASKPX computed: whether respondent had an interview by proxy

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HELWK	whether has self-reported health problem/disability that
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy
HELWK	Whether has self-reported health problem/disability that

<b>Activities of Daily Living (ADLs): Some Difficulty</b>
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Wave	Variable	Label	Type
1	R1WALKRA	r1walkra:w1 R Some Diff-Walk across room	Categ
2	R2WALKRA	r2walkra:w2 R Some Diff-Walk across room	Categ
3	R3WALKRA	r3walkra:w3 R Some Diff-Walk across room	Categ
4	R4WALKRA	r4walkra:w4 R Some Diff-Walk across room	Categ
5	R5WALKRA	r5walkra:w5 R Some Diff-Walk across room	Categ
6	R6WALKRA	r6walkra:w6 R Some Diff-Walk across room	Categ
7	R7WALKRA	r7walkra:w7 R Some Diff-Walk across room	Categ
8	R8WALKRA	r8walkra:w8 R Some Diff-Walk across room	Categ
9	R9WALKRA	r9walkra:w9 R Some Diff-Walk across room	Categ
1	S1WALKRA	s1walkra:w1 S Some Diff-Walk across room	Categ
2	S2WALKRA	s2walkra:w2 S Some Diff-Walk across room	Categ
3	S3WALKRA	s3walkra:w3 S Some Diff-Walk across room	Categ
4	S4WALKRA	s4walkra:w4 S Some Diff-Walk across room	Categ
5	S5WALKRA	s5walkra:w5 S Some Diff-Walk across room	Categ
6	S6WALKRA	s6walkra:w6 S Some Diff-Walk across room	Categ
7	S7WALKRA	s7walkra:w7 S Some Diff-Walk across room	Categ
8	S8WALKRA	s8walkra:w8 S Some Diff-Walk across room	Categ
9	S9WALKRA	s9walkra:w9 S Some Diff-Walk across room	Categ
1	R1DRESSA	r1dressa:w1 R Some Diff-Dressing	Categ
2	R2DRESSA	r2dressa:w2 R Some Diff-Dressing	Categ
3	R3DRESSA	r3dressa:w3 R Some Diff-Dressing	Categ
4	R4DRESSA	r4dressa:w4 R Some Diff-Dressing	Categ
5	R5DRESSA	r5dressa:w5 R Some Diff-Dressing	Categ
6	R6DRESSA	r6dressa:w6 R Some Diff-Dressing	Categ
7	R7DRESSA	r7dressa:w7 R Some Diff-Dressing	Categ
8	R8DRESSA	r8dressa:w8 R Some Diff-Dressing	Categ
9	R9DRESSA	r9dressa:w9 R Some Diff-Dressing	Categ
1	S1DRESSA	s1dressa:w1 S Some Diff-Dressing	Categ
2	S2DRESSA	s2dressa:w2 S Some Diff-Dressing	Categ
3	S3DRESSA	s3dressa:w3 S Some Diff-Dressing	Categ
4	S4DRESSA	s4dressa:w4 S Some Diff-Dressing	Categ
5	S5DRESSA	s5dressa:w5 S Some Diff-Dressing	Categ
6	S6DRESSA	s6dressa:w6 S Some Diff-Dressing	Categ
7	S7DRESSA	s7dressa:w7 S Some Diff-Dressing	Categ
8	S8DRESSA	s8dressa:w8 S Some Diff-Dressing	Categ
9	S9DRESSA	s9dressa:w9 S Some Diff-Dressing	Categ
1	R1BATHA	r1batha:w1 R Some Diff-Bathing, shower	Categ
2	R2BATHA	r2batha:w2 R Some Diff-Bathing, shower	Categ
3	R3BATHA	r3batha:w3 R Some Diff-Bathing, shower	Categ
4	R4BATHA	r4batha:w4 R Some Diff-Bathing, shower	Categ
5	R5BATHA	r5batha:w5 R Some Diff-Bathing, shower	Categ
6	R6BATHA	r6batha:w6 R Some Diff-Bathing, shower	Categ
7	R7BATHA	r7batha:w7 R Some Diff-Bathing, shower	Categ
8	R8BATHA	r8batha:w8 R Some Diff-Bathing, shower	Categ
9	R9BATHA	r9batha:w9 R Some Diff-Bathing, shower	Categ
1	S1BATHA	s1batha:w1 S Some Diff-Bathing, shower	Categ
2	S2BATHA	s2batha:w2 S Some Diff-Bathing, shower	Categ
3	S3BATHA	s3batha:w3 S Some Diff-Bathing, shower	Categ
4	S4BATHA	s4batha:w4 S Some Diff-Bathing, shower	Categ
5	S5BATHA	s5batha:w5 S Some Diff-Bathing, shower	Categ
6	S6BATHA	s6batha:w6 S Some Diff-Bathing, shower	Categ
7	S7BATHA	s7batha:w7 S Some Diff-Bathing, shower	Categ

8	S8BATHA	s8batha:w8	S	Some	Diff-Bathing, shower	Categ
9	S9BATHA	s9batha:w9	S	Some	Diff-Bathing, shower	Categ
1	R1EATA	r1eata:w1	R	Some	Diff-Eating	Categ
2	R2EATA	r2eata:w2	R	Some	Diff-Eating	Categ
3	R3EATA	r3eata:w3	R	Some	Diff-Eating	Categ
4	R4EATA	r4eata:w4	R	Some	Diff-Eating	Categ
5	R5EATA	r5eata:w5	R	Some	Diff-Eating	Categ
6	R6EATA	r6eata:w6	R	Some	Diff-Eating	Categ
7	R7EATA	r7eata:w7	R	Some	Diff-Eating	Categ
8	R8EATA	r8eata:w8	R	Some	Diff-Eating	Categ
9	R9EATA	r9eata:w9	R	Some	Diff-Eating	Categ
1	S1EATA	s1eata:w1	S	Some	Diff-Eating	Categ
2	S2EATA	s2eata:w2	S	Some	Diff-Eating	Categ
3	S3EATA	s3eata:w3	S	Some	Diff-Eating	Categ
4	S4EATA	s4eata:w4	S	Some	Diff-Eating	Categ
5	S5EATA	s5eata:w5	S	Some	Diff-Eating	Categ
6	S6EATA	s6eata:w6	S	Some	Diff-Eating	Categ
7	S7EATA	s7eata:w7	S	Some	Diff-Eating	Categ
8	S8EATA	s8eata:w8	S	Some	Diff-Eating	Categ
9	S9EATA	s9eata:w9	S	Some	Diff-Eating	Categ
1	R1BEDA	r1beda:w1	R	Some	Diff-Get in/out bed	Categ
2	R2BEDA	r2beda:w2	R	Some	Diff-Get in/out bed	Categ
3	R3BEDA	r3beda:w3	R	Some	Diff-Get in/out bed	Categ
4	R4BEDA	r4beda:w4	R	Some	Diff-Get in/out bed	Categ
5	R5BEDA	r5beda:w5	R	Some	Diff-Get in/out bed	Categ
6	R6BEDA	r6beda:w6	R	Some	Diff-Get in/out bed	Categ
7	R7BEDA	r7beda:w7	R	Some	Diff-Get in/out bed	Categ
8	R8BEDA	r8beda:w8	R	Some	Diff-Get in/out bed	Categ
9	R9BEDA	r9beda:w9	R	Some	Diff-Get in/out bed	Categ
1	S1BEDA	s1beda:w1	S	Some	Diff-Get in/out bed	Categ
2	S2BEDA	s2beda:w2	S	Some	Diff-Get in/out bed	Categ
3	S3BEDA	s3beda:w3	S	Some	Diff-Get in/out bed	Categ
4	S4BEDA	s4beda:w4	S	Some	Diff-Get in/out bed	Categ
5	S5BEDA	s5beda:w5	S	Some	Diff-Get in/out bed	Categ
6	S6BEDA	s6beda:w6	S	Some	Diff-Get in/out bed	Categ
7	S7BEDA	s7beda:w7	S	Some	Diff-Get in/out bed	Categ
8	S8BEDA	s8beda:w8	S	Some	Diff-Get in/out bed	Categ
9	S9BEDA	s9beda:w9	S	Some	Diff-Get in/out bed	Categ
1	R1TOILTA	r1toilta:w1	R	Some	Diff-Using the toilet	Categ
2	R2TOILTA	r2toilta:w2	R	Some	Diff-Using the toilet	Categ
3	R3TOILTA	r3toilta:w3	R	Some	Diff-Using the toilet	Categ
4	R4TOILTA	r4toilta:w4	R	Some	Diff-Using the toilet	Categ
5	R5TOILTA	r5toilta:w5	R	Some	Diff-Using the toilet	Categ
6	R6TOILTA	r6toilta:w6	R	Some	Diff-Using the toilet	Categ
7	R7TOILTA	r7toilta:w7	R	Some	Diff-Using the toilet	Categ
8	R8TOILTA	r8toilta:w8	R	Some	Diff-Using the toilet	Categ
9	R9TOILTA	r9toilta:w9	R	Some	Diff-Using the toilet	Categ
1	S1TOILTA	s1toilta:w1	S	Some	Diff-Using the toilet	Categ
2	S2TOILTA	s2toilta:w2	S	Some	Diff-Using the toilet	Categ
3	S3TOILTA	s3toilta:w3	S	Some	Diff-Using the toilet	Categ
4	S4TOILTA	s4toilta:w4	S	Some	Diff-Using the toilet	Categ
5	S5TOILTA	s5toilta:w5	S	Some	Diff-Using the toilet	Categ
6	S6TOILTA	s6toilta:w6	S	Some	Diff-Using the toilet	Categ
7	S7TOILTA	s7toilta:w7	S	Some	Diff-Using the toilet	Categ
8	S8TOILTA	s8toilta:w8	S	Some	Diff-Using the toilet	Categ
9	S9TOILTA	s9toilta:w9	S	Some	Diff-Using the toilet	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WALKRA	11908	0.03	0.18	0.00	1.00
R2WALKRA	9429	0.04	0.18	0.00	1.00
R3WALKRA	9762	0.03	0.18	0.00	1.00
R4WALKRA	11041	0.03	0.18	0.00	1.00
R5WALKRA	10266	0.03	0.18	0.00	1.00
R6WALKRA	10596	0.04	0.19	0.00	1.00
R7WALKRA	9664	0.04	0.20	0.00	1.00
R8WALKRA	8443	0.04	0.19	0.00	1.00
R9WALKRA	8731	0.04	0.19	0.00	1.00
S1WALKRA	7936	0.03	0.16	0.00	1.00
S2WALKRA	6175	0.03	0.17	0.00	1.00
S3WALKRA	6382	0.02	0.15	0.00	1.00
S4WALKRA	7394	0.02	0.15	0.00	1.00
S5WALKRA	6957	0.02	0.15	0.00	1.00
S6WALKRA	7239	0.02	0.15	0.00	1.00
S7WALKRA	6558	0.03	0.17	0.00	1.00
S8WALKRA	5686	0.03	0.16	0.00	1.00
S9WALKRA	5817	0.02	0.15	0.00	1.00
R1DRESSA	11908	0.13	0.34	0.00	1.00
R2DRESSA	9429	0.14	0.34	0.00	1.00
R3DRESSA	9762	0.13	0.33	0.00	1.00
R4DRESSA	11041	0.13	0.34	0.00	1.00
R5DRESSA	10266	0.13	0.34	0.00	1.00
R6DRESSA	10596	0.13	0.33	0.00	1.00
R7DRESSA	9664	0.12	0.33	0.00	1.00
R8DRESSA	8443	0.13	0.33	0.00	1.00
R9DRESSA	8731	0.13	0.33	0.00	1.00
S1DRESSA	7936	0.12	0.32	0.00	1.00
S2DRESSA	6175	0.12	0.32	0.00	1.00
S3DRESSA	6382	0.10	0.31	0.00	1.00
S4DRESSA	7394	0.11	0.31	0.00	1.00
S5DRESSA	6957	0.11	0.31	0.00	1.00
S6DRESSA	7239	0.10	0.31	0.00	1.00
S7DRESSA	6558	0.10	0.30	0.00	1.00
S8DRESSA	5686	0.11	0.31	0.00	1.00
S9DRESSA	5817	0.11	0.31	0.00	1.00
R1BATHA	11908	0.12	0.32	0.00	1.00
R2BATHA	9429	0.12	0.32	0.00	1.00
R3BATHA	9762	0.11	0.31	0.00	1.00
R4BATHA	11041	0.10	0.30	0.00	1.00
R5BATHA	10266	0.10	0.30	0.00	1.00
R6BATHA	10596	0.10	0.29	0.00	1.00
R7BATHA	9664	0.09	0.29	0.00	1.00
R8BATHA	8443	0.09	0.29	0.00	1.00
R9BATHA	8731	0.09	0.28	0.00	1.00
S1BATHA	7936	0.09	0.29	0.00	1.00
S2BATHA	6175	0.09	0.29	0.00	1.00
S3BATHA	6382	0.08	0.27	0.00	1.00
S4BATHA	7394	0.07	0.26	0.00	1.00
S5BATHA	6957	0.07	0.25	0.00	1.00
S6BATHA	7239	0.07	0.25	0.00	1.00
S7BATHA	6558	0.07	0.25	0.00	1.00
S8BATHA	5686	0.07	0.26	0.00	1.00
S9BATHA	5817	0.06	0.25	0.00	1.00

R1EATA	11908	0.02	0.13	0.00	1.00
R2EATA	9429	0.02	0.15	0.00	1.00
R3EATA	9762	0.02	0.15	0.00	1.00
R4EATA	11041	0.02	0.15	0.00	1.00
R5EATA	10266	0.02	0.15	0.00	1.00
R6EATA	10596	0.03	0.16	0.00	1.00
R7EATA	9664	0.02	0.15	0.00	1.00
R8EATA	8443	0.03	0.16	0.00	1.00
R9EATA	8731	0.03	0.16	0.00	1.00
S1EATA	7936	0.02	0.12	0.00	1.00
S2EATA	6175	0.02	0.14	0.00	1.00
S3EATA	6382	0.02	0.14	0.00	1.00
S4EATA	7394	0.02	0.13	0.00	1.00
S5EATA	6957	0.02	0.13	0.00	1.00
S6EATA	7239	0.02	0.13	0.00	1.00
S7EATA	6558	0.02	0.12	0.00	1.00
S8EATA	5686	0.02	0.14	0.00	1.00
S9EATA	5817	0.02	0.14	0.00	1.00
R1BEDA	11908	0.07	0.25	0.00	1.00
R2BEDA	9429	0.06	0.24	0.00	1.00
R3BEDA	9762	0.06	0.24	0.00	1.00
R4BEDA	11041	0.06	0.23	0.00	1.00
R5BEDA	10266	0.06	0.24	0.00	1.00
R6BEDA	10596	0.06	0.24	0.00	1.00
R7BEDA	9664	0.06	0.24	0.00	1.00
R8BEDA	8443	0.06	0.23	0.00	1.00
R9BEDA	8731	0.06	0.24	0.00	1.00
S1BEDA	7936	0.06	0.24	0.00	1.00
S2BEDA	6175	0.06	0.23	0.00	1.00
S3BEDA	6382	0.05	0.22	0.00	1.00
S4BEDA	7394	0.05	0.21	0.00	1.00
S5BEDA	6957	0.05	0.21	0.00	1.00
S6BEDA	7239	0.05	0.22	0.00	1.00
S7BEDA	6558	0.05	0.22	0.00	1.00
S8BEDA	5686	0.05	0.21	0.00	1.00
S9BEDA	5817	0.05	0.22	0.00	1.00
R1TOILTA	11908	0.04	0.18	0.00	1.00
R2TOILTA	9429	0.03	0.18	0.00	1.00
R3TOILTA	9762	0.04	0.19	0.00	1.00
R4TOILTA	11041	0.03	0.18	0.00	1.00
R5TOILTA	10266	0.04	0.19	0.00	1.00
R6TOILTA	10596	0.04	0.19	0.00	1.00
R7TOILTA	9664	0.04	0.20	0.00	1.00
R8TOILTA	8443	0.04	0.20	0.00	1.00
R9TOILTA	8731	0.04	0.20	0.00	1.00
S1TOILTA	7936	0.03	0.17	0.00	1.00
S2TOILTA	6175	0.03	0.17	0.00	1.00
S3TOILTA	6382	0.03	0.16	0.00	1.00
S4TOILTA	7394	0.03	0.16	0.00	1.00
S5TOILTA	6957	0.02	0.15	0.00	1.00
S6TOILTA	7239	0.03	0.16	0.00	1.00
S7TOILTA	6558	0.03	0.17	0.00	1.00
S8TOILTA	5686	0.03	0.17	0.00	1.00
S9TOILTA	5817	0.03	0.17	0.00	1.00

### Categorical Variable Codes

Value-----	R1WALKRA	R2WALKRA	R3WALKRA	R4WALKRA	R5WALKRA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	11519	9097	9422	10682	9913
1.Yes	389	332	340	359	353
Value-----	R6WALKRA	R7WALKRA	R8WALKRA	R9WALKRA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	10193	9272	8109	8394	
1.Yes	403	392	334	337	
Value-----	S1WALKRA	S2WALKRA	S3WALKRA	S4WALKRA	S5WALKRA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7734	5991	6230	7235	6802
1.Yes	202	184	152	159	155
Value-----	S6WALKRA	S7WALKRA	S8WALKRA	S9WALKRA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	7062	6372	5540	5676	
1.Yes	177	186	146	141	
Value-----	R1DRESSA	R2DRESSA	R3DRESSA	R4DRESSA	R5DRESSA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	10359	8144	8530	9594	8918
1.Yes	1549	1285	1232	1447	1348
Value-----	R6DRESSA	R7DRESSA	R8DRESSA	R9DRESSA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	9266	8501	7362	7621	
1.Yes	1330	1163	1081	1110	
Value-----	S1DRESSA	S2DRESSA	S3DRESSA	S4DRESSA	S5DRESSA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7002	5437	5712	6598	6218
1.Yes	934	738	670	796	739
Value-----	S6DRESSA	S7DRESSA	S8DRESSA	S9DRESSA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6479	5905	5080	5205	
1.Yes	760	653	606	612	
Value-----	R1BATHA	R2BATHA	R3BATHA	R4BATHA	R5BATHA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	10485	8298	8687	9941	9249

1.Yes	1423	1131	1075	1100	1017
Value-----	R6BATHA	R7BATHA	R8BATHA	R9BATHA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	9586	8778	7661	7965	
1.Yes	1010	886	782	766	
Value-----	S1BATHA	S2BATHA	S3BATHA	S4BATHA	S5BATHA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7220	5598	5885	6859	6485
1.Yes	716	577	497	535	472
Value-----	S6BATHA	S7BATHA	S8BATHA	S9BATHA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6763	6119	5287	5443	
1.Yes	476	439	399	374	
Value-----	R1EATA	R2EATA	R3EATA	R4EATA	R5EATA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	11690	9207	9525	10771	10026
1.Yes	218	222	237	270	240
Value-----	R6EATA	R7EATA	R8EATA	R9EATA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	10313	9428	8212	8492	
1.Yes	283	236	231	239	
Value-----	S1EATA	S2EATA	S3EATA	S4EATA	S5EATA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7812	6048	6261	7257	6846
1.Yes	124	127	121	137	111
Value-----	S6EATA	S7EATA	S8EATA	S9EATA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	7113	6454	5569	5694	
1.Yes	126	104	117	123	
Value-----	R1BEDA	R2BEDA	R3BEDA	R4BEDA	R5BEDA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	11115	8827	9149	10425	9615
1.Yes	793	602	613	616	651
Value-----	R6BEDA	R7BEDA	R8BEDA	R9BEDA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	9936	9067	7949	8176	
1.Yes	660	597	494	555	



Value-----	S1BEDA	S2BEDA	S3BEDA	S4BEDA	S5BEDA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7464	5816	6060	7053	6623
1.Yes	472	359	322	341	334
Value-----	S6BEDA	S7BEDA	S8BEDA	S9BEDA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6879	6232	5426	5520	
1.Yes	360	326	260	297	
Value-----	R1TOILTA	R2TOILTA	R3TOILTA	R4TOILTA	R5TOILTA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	11489	9118	9399	10663	9896
1.Yes	419	311	363	378	370
Value-----	R6TOILTA	R7TOILTA	R8TOILTA	R9TOILTA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	10211	9281	8086	8361	
1.Yes	385	383	357	370	
Value-----	S1TOILTA	S2TOILTA	S3TOILTA	S4TOILTA	S5TOILTA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7700	5998	6210	7203	6790
1.Yes	236	177	172	191	167
Value-----	S6TOILTA	S7TOILTA	S8TOILTA	S9TOILTA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	7051	6370	5508	5644	
1.Yes	188	188	178	173	

## How Constructed

These variables indicate difficulty with activities of daily living (ADLs). The ADLs include walking across a room (RwWALKRA), dressing (RwDRESSA), bathing and showering (RwBATHA), eating (RwEATA), getting in and out of bed (RwBEDA), and using the toilet (RwTOILTA). A code of 0 indicates that the respondent did not report any problems with the activity. A code of 1 indicates that the respondent reported some difficulty with the activity. Don't know, refused, or other missing responses to RwWALKRA, RwDRESSA, RwBATHA, RwEATA, RwBEDA, and RwTOILTA are assigned special missing values .d, .r, .m respectively. RwWALKRA, RwDRESSA, RwBATHA, RwEATA, RwBEDA, and RwTOILTA are set to special missing .p if the activities of daily living questions were skipped because the interview was by proxy in Wave 1. RwWALKRA, RwDRESSA, RwBATHA, RwEATA, RwBEDA, and RwTOILTA are set to plain missing (.) for respondents who did not respond to the current wave.

SwWALKRA, SwDRESSA, SwBATHA, SwEATA, SwBEDA, and SwTOILTA indicate whether the respondent's spouse reported any difficulty and are taken directly from spouse's responses to RwWALKRA, RwDRESSA, RwBATHA, RwEATA, RwBEDA, and RwTOILTA, respectively. In addition to the special missing codes used in RwWALKRA, RwDRESSA, RwBATHA, RwEATA, RwBEDA, and RwTOILTA, SwWALKRA, SwDRESSA, SwBATHA, SwEATA, SwBEDA, and

SWTOILTA employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

In the ELSA, respondents identify ADLs by selecting activities they have difficulty with from a card containing a list of activities. Respondents are asked to exclude any difficulties they expect to last less than three months.

## Cross Wave Differences in ELSA

Activities of daily living questions were not asked to proxy respondents in Wave 1. Proxy respondents were asked about difficulty with activities of daily living from Wave 2 forward.

## Differences with the RAND HRS/Harmonized HRS

In the RAND HRS, these binary indicators of some difficulty with ADLs are recoded from a set of raw variables for Wave 2 of the HRS. In Wave 2 of the HRS, respondents were given several options to report level of difficulty with activities of daily living. These levels included not difficult, occasionally difficult, difficult some of the time, and difficult most of the time for some questions and not difficult, a little difficult, difficult, and a lot difficult for other questions. The RAND HRS recodes these levels to either No (not difficult) or Yes (difficult) for the second wave.

Unlike the HRS, ELSA has respondents identify difficulty with ADLs by selecting activities they have difficulty with from a card containing a list of activities. ELSA respondents do not have the option of identifying activities which they do not do.

## ELSA Variables Used

### Wave 1 Core:

HEADB01	because of a health or memory problem, do you have any
HEADB02	because of a health or memory problem, do you have any
HEADB03	because of a health or memory problem, do you have any
HEADB04	because of a health or memory problem, do you have any
HEADB05	because of a health or memory problem, do you have any
HEADB06	because of a health or memory problem, do you have any
HEADB10	because of a health or memory problem, do you have any
HEADB11	because of a health or memory problem, do you have any
HEADB12	because of a health or memory problem, do you have any
HEADB13	because of a health or memory problem, do you have any
HEADB14	because of a health or memory problem, do you have any

### Wave 2 Core:

HEADB01	IADL: activity has problem with due to health/physical p
HEADB02	IADL: activity has problem with due to health/physical p
HEADB03	IADL: activity has problem with due to health/physical p
HEADB04	IADL: activity has problem with due to health/physical p
HEADB05	IADL: activity has problem with due to health/physical p
HEADB06	IADL: activity has problem with due to health/physical p
HEADB07	IADL: activity has problem with due to health/physical p
HEADB08	IADL: activity has problem with due to health/physical p
HEADB09	IADL: activity has problem with due to health/physical p
HEADB10	IADL: activity has problem with due to health/physical p
HEADB11	IADL: activity has problem with due to health/physical p
HEADB12	IADL: activity has problem with due to health/physical p
HEADB13	IADL: activity has problem with due to health/physical p

### Wave 3 Core:

HEADLBA	adl: difficulty bathing or showering
HEADLBE	adl: difficulty getting in and out of bed
HEADLDR	adl: difficulty dressing, including putting on shoes and
HEADLEA	adl: difficulty eating, such as cutting up food
HEADLWA	adl: difficulty walking across a room
HEADLWC	adl: difficulty using the toilet, including getting up o

### Wave 4 Core:

HEADLBA adl: difficulty bathing or showering  
HEADLBE adl: difficulty getting in and out of bed  
HEADLDR adl: difficulty dressing, including putting on shoes and  
HEADLEA adl: difficulty eating, such as cutting up food  
HEADLWA adl: difficulty walking across a room  
HEADLWC adl: difficulty using the toilet, including getting up o

Wave 5 Core:  
HEADLBA ADL: difficulty bathing or showering  
HEADLBE ADL: difficulty getting in and out of bed  
HEADLDR ADL: difficulty dressing, including putting on shoes and  
HEADLEA ADL: difficulty eating, such as cutting up food  
HEADLWA ADL: difficulty walking across a room  
HEADLWC ADL: difficulty using the toilet, including getting up o

Wave 6 Core:  
HEADLBA adl: difficulty bathing or showering  
HEADLBE adl: difficulty getting in and out of bed  
HEADLDR adl: difficulty dressing, including putting on shoes and  
HEADLEA adl: difficulty eating, such as cutting up food  
HEADLWA adl: difficulty walking across a room  
HEADLWC adl: difficulty using the toilet, including getting up o

Wave 7 Core:  
HEADLBA adl: difficulty bathing or showering  
HEADLBE adl: difficulty getting in and out of bed  
HEADLDR adl: difficulty dressing, including putting on shoes and  
HEADLEA adl: difficulty eating, such as cutting up food  
HEADLWA adl: difficulty walking across a room  
HEADLWC adl: difficulty using the toilet, including getting up o

Wave 8 Core:  
HEADLBA adl: difficulty bathing or showering  
HEADLBE adl: difficulty getting in and out of bed  
HEADLDR adl: difficulty dressing, including putting on shoes and  
HEADLEA adl: difficulty eating, such as cutting up food  
HEADLWA adl: difficulty walking across a room  
HEADLWC adl: difficulty using the toilet, including getting up o

Wave 9 Core:  
HEADLBA ADL: difficulty bathing or showering  
HEADLBE ADL: difficulty getting in and out of bed  
HEADLDR ADL: difficulty dressing, including putting on shoes and  
HEADLEA ADL: difficulty eating, such as cutting up food  
HEADLWA ADL: difficulty walking across a room  
HEADLWC ADL: difficulty using the toilet, including getting up o

<b>Instrumental Activities of Daily Living (IADLs): Some Difficulty</b>
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Wave	Variable	Label	Type
1	R1MAPA	r1mapa:w1 R Some Diff-Use a map	Categ
2	R2MAPA	r2mapa:w2 R Some Diff-Use a map	Categ
3	R3MAPA	r3mapa:w3 R Some Diff-Use a map	Categ
4	R4MAPA	r4mapa:w4 R Some Diff-Use a map	Categ
5	R5MAPA	r5mapa:w5 R Some Diff-Use a map	Categ
6	R6MAPA	r6mapa:w6 R Some Diff-Use a map	Categ
7	R7MAPA	r7mapa:w7 R Some Diff-Use a map	Categ
8	R8MAPA	r8mapa:w8 R Some Diff-Use a map	Categ
9	R9MAPA	r9mapa:w9 R Some Diff-Use a map	Categ
1	S1MAPA	s1mapa:w1 S Some Diff-Use a map	Categ
2	S2MAPA	s2mapa:w2 S Some Diff-Use a map	Categ
3	S3MAPA	s3mapa:w3 S Some Diff-Use a map	Categ
4	S4MAPA	s4mapa:w4 S Some Diff-Use a map	Categ
5	S5MAPA	s5mapa:w5 S Some Diff-Use a map	Categ
6	S6MAPA	s6mapa:w6 S Some Diff-Use a map	Categ
7	S7MAPA	s7mapa:w7 S Some Diff-Use a map	Categ
8	S8MAPA	s8mapa:w8 S Some Diff-Use a map	Categ
9	S9MAPA	s9mapa:w9 S Some Diff-Use a map	Categ
1	R1PHONEA	r1phonea:w1 R Some Diff-Use a telephone	Categ
2	R2PHONEA	r2phonea:w2 R Some Diff-Use a telephone	Categ
3	R3PHONEA	r3phonea:w3 R Some Diff-Use a telephone	Categ
4	R4PHONEA	r4phonea:w4 R Some Diff-Use a telephone	Categ
5	R5PHONEA	r5phonea:w5 R Some Diff-Use a telephone	Categ
6	R6PHONEA	r6phonea:w6 R Some Diff-Use a telephone	Categ
7	R7PHONEA	r7phonea:w7 R Some Diff-Use a telephone	Categ
8	R8PHONEA	r8phonea:w8 R Some Diff-Use a telephone	Categ
9	R9PHONEA	r9phonea:w9 R Some Diff-Use a telephone	Categ
1	S1PHONEA	s1phonea:w1 S Some Diff-Use a telephone	Categ
2	S2PHONEA	s2phonea:w2 S Some Diff-Use a telephone	Categ
3	S3PHONEA	s3phonea:w3 S Some Diff-Use a telephone	Categ
4	S4PHONEA	s4phonea:w4 S Some Diff-Use a telephone	Categ
5	S5PHONEA	s5phonea:w5 S Some Diff-Use a telephone	Categ
6	S6PHONEA	s6phonea:w6 S Some Diff-Use a telephone	Categ
7	S7PHONEA	s7phonea:w7 S Some Diff-Use a telephone	Categ
8	S8PHONEA	s8phonea:w8 S Some Diff-Use a telephone	Categ
9	S9PHONEA	s9phonea:w9 S Some Diff-Use a telephone	Categ
1	R1MONEYA	r1moneya:w1 R Some Diff-Managing money	Categ
2	R2MONEYA	r2moneya:w2 R Some Diff-Managing money	Categ
3	R3MONEYA	r3moneya:w3 R Some Diff-Managing money	Categ
4	R4MONEYA	r4moneya:w4 R Some Diff-Managing money	Categ
5	R5MONEYA	r5moneya:w5 R Some Diff-Managing money	Categ
6	R6MONEYA	r6moneya:w6 R Some Diff-Managing money	Categ
7	R7MONEYA	r7moneya:w7 R Some Diff-Managing money	Categ
8	R8MONEYA	r8moneya:w8 R Some Diff-Managing money	Categ
9	R9MONEYA	r9moneya:w9 R Some Diff-Managing money	Categ
1	S1MONEYA	s1moneya:w1 S Some Diff-Managing money	Categ
2	S2MONEYA	s2moneya:w2 S Some Diff-Managing money	Categ
3	S3MONEYA	s3moneya:w3 S Some Diff-Managing money	Categ
4	S4MONEYA	s4moneya:w4 S Some Diff-Managing money	Categ
5	S5MONEYA	s5moneya:w5 S Some Diff-Managing money	Categ
6	S6MONEYA	s6moneya:w6 S Some Diff-Managing money	Categ
7	S7MONEYA	s7moneya:w7 S Some Diff-Managing money	Categ

8	S8MONEYA	s8moneya:w8	S	Some	Diff-Managing money	Categ
9	S9MONEYA	s9moneya:w9	S	Some	Diff-Managing money	Categ
1	R1MEDSA	r1medsa:w1	R	Some	Diff-Take medications	Categ
2	R2MEDSA	r2medsa:w2	R	Some	Diff-Take medications	Categ
3	R3MEDSA	r3medsa:w3	R	Some	Diff-Take medications	Categ
4	R4MEDSA	r4medsa:w4	R	Some	Diff-Take medications	Categ
5	R5MEDSA	r5medsa:w5	R	Some	Diff-Take medications	Categ
6	R6MEDSA	r6medsa:w6	R	Some	Diff-Take medications	Categ
7	R7MEDSA	r7medsa:w7	R	Some	Diff-Take medications	Categ
8	R8MEDSA	r8medsa:w8	R	Some	Diff-Take medications	Categ
9	R9MEDSA	r9medsa:w9	R	Some	Diff-Take medications	Categ
1	S1MEDSA	s1medsa:w1	S	Some	Diff-Take medications	Categ
2	S2MEDSA	s2medsa:w2	S	Some	Diff-Take medications	Categ
3	S3MEDSA	s3medsa:w3	S	Some	Diff-Take medications	Categ
4	S4MEDSA	s4medsa:w4	S	Some	Diff-Take medications	Categ
5	S5MEDSA	s5medsa:w5	S	Some	Diff-Take medications	Categ
6	S6MEDSA	s6medsa:w6	S	Some	Diff-Take medications	Categ
7	S7MEDSA	s7medsa:w7	S	Some	Diff-Take medications	Categ
8	S8MEDSA	s8medsa:w8	S	Some	Diff-Take medications	Categ
9	S9MEDSA	s9medsa:w9	S	Some	Diff-Take medications	Categ
1	R1SHOPA	r1shopa:w1	R	Some	Diff-Shop for grocery	Categ
2	R2SHOPA	r2shopa:w2	R	Some	Diff-Shop for grocery	Categ
3	R3SHOPA	r3shopa:w3	R	Some	Diff-Shop for grocery	Categ
4	R4SHOPA	r4shopa:w4	R	Some	Diff-Shop for grocery	Categ
5	R5SHOPA	r5shopa:w5	R	Some	Diff-Shop for grocery	Categ
6	R6SHOPA	r6shopa:w6	R	Some	Diff-Shop for grocery	Categ
7	R7SHOPA	r7shopa:w7	R	Some	Diff-Shop for grocery	Categ
8	R8SHOPA	r8shopa:w8	R	Some	Diff-Shop for grocery	Categ
9	R9SHOPA	r9shopa:w9	R	Some	Diff-Shop for grocery	Categ
1	S1SHOPA	s1shopa:w1	S	Some	Diff-Shop for grocery	Categ
2	S2SHOPA	s2shopa:w2	S	Some	Diff-Shop for grocery	Categ
3	S3SHOPA	s3shopa:w3	S	Some	Diff-Shop for grocery	Categ
4	S4SHOPA	s4shopa:w4	S	Some	Diff-Shop for grocery	Categ
5	S5SHOPA	s5shopa:w5	S	Some	Diff-Shop for grocery	Categ
6	S6SHOPA	s6shopa:w6	S	Some	Diff-Shop for grocery	Categ
7	S7SHOPA	s7shopa:w7	S	Some	Diff-Shop for grocery	Categ
8	S8SHOPA	s8shopa:w8	S	Some	Diff-Shop for grocery	Categ
9	S9SHOPA	s9shopa:w9	S	Some	Diff-Shop for grocery	Categ
1	R1MEALSA	r1mealsa:w1	R	Some	Diff-Prepare hot meal	Categ
2	R2MEALSA	r2mealsa:w2	R	Some	Diff-Prepare hot meal	Categ
3	R3MEALSA	r3mealsa:w3	R	Some	Diff-Prepare hot meal	Categ
4	R4MEALSA	r4mealsa:w4	R	Some	Diff-Prepare hot meal	Categ
5	R5MEALSA	r5mealsa:w5	R	Some	Diff-Prepare hot meal	Categ
6	R6MEALSA	r6mealsa:w6	R	Some	Diff-Prepare hot meal	Categ
7	R7MEALSA	r7mealsa:w7	R	Some	Diff-Prepare hot meal	Categ
8	R8MEALSA	r8mealsa:w8	R	Some	Diff-Prepare hot meal	Categ
9	R9MEALSA	r9mealsa:w9	R	Some	Diff-Prepare hot meal	Categ
1	S1MEALSA	s1mealsa:w1	S	Some	Diff-Prepare hot meal	Categ
2	S2MEALSA	s2mealsa:w2	S	Some	Diff-Prepare hot meal	Categ
3	S3MEALSA	s3mealsa:w3	S	Some	Diff-Prepare hot meal	Categ
4	S4MEALSA	s4mealsa:w4	S	Some	Diff-Prepare hot meal	Categ
5	S5MEALSA	s5mealsa:w5	S	Some	Diff-Prepare hot meal	Categ
6	S6MEALSA	s6mealsa:w6	S	Some	Diff-Prepare hot meal	Categ
7	S7MEALSA	s7mealsa:w7	S	Some	Diff-Prepare hot meal	Categ
8	S8MEALSA	s8mealsa:w8	S	Some	Diff-Prepare hot meal	Categ
9	S9MEALSA	s9mealsa:w9	S	Some	Diff-Prepare hot meal	Categ

1	R1HOUSEWKA	r1housewka:w1	R	Some	Diff-Doing work around the house or gar	Categ
2	R2HOUSEWKA	r2housewka:w2	R	Some	Diff-Doing work around the house or gar	Categ
3	R3HOUSEWKA	r3housewka:w3	R	Some	Diff-Doing work around the house or gar	Categ
4	R4HOUSEWKA	r4housewka:w4	R	Some	Diff-Doing work around the house or gar	Categ
5	R5HOUSEWKA	r5housewka:w5	R	Some	Diff-Doing work around the house or gar	Categ
6	R6HOUSEWKA	r6housewka:w6	R	Some	Diff-Doing work around the house or gar	Categ
7	R7HOUSEWKA	r7housewka:w7	R	Some	Diff-Doing work around the house or gar	Categ
8	R8HOUSEWKA	r8housewka:w8	R	Some	Diff-Doing work around the house or gar	Categ
9	R9HOUSEWKA	r9housewka:w9	R	Some	Diff-Doing work around the house or gar	Categ
1	S1HOUSEWKA	s1housewka:w1	S	Some	Diff-Doing work around the house or gar	Categ
2	S2HOUSEWKA	s2housewka:w2	S	Some	Diff-Doing work around the house or gar	Categ
3	S3HOUSEWKA	s3housewka:w3	S	Some	Diff-Doing work around the house or gar	Categ
4	S4HOUSEWKA	s4housewka:w4	S	Some	Diff-Doing work around the house or gar	Categ
5	S5HOUSEWKA	s5housewka:w5	S	Some	Diff-Doing work around the house or gar	Categ
6	S6HOUSEWKA	s6housewka:w6	S	Some	Diff-Doing work around the house or gar	Categ
7	S7HOUSEWKA	s7housewka:w7	S	Some	Diff-Doing work around the house or gar	Categ
8	S8HOUSEWKA	s8housewka:w8	S	Some	Diff-Doing work around the house or gar	Categ
9	S9HOUSEWKA	s9housewka:w9	S	Some	Diff-Doing work around the house or gar	Categ
4	R4DANGERA	r4dangera:w4	R	Some	Diff-Recognizing when in physical danger	Categ
5	R5DANGERA	r5dangera:w5	R	Some	Diff-Recognizing when in physical danger	Categ
6	R6DANGERA	r6dangera:w6	R	Some	Diff-Recognizing when in physical danger	Categ
7	R7DANGERA	r7dangera:w7	R	Some	Diff-Recognizing when in physical danger	Categ
8	R8DANGERA	r8dangera:w8	R	Some	Diff-Recognizing when in physical danger	Categ
9	R9DANGERA	r9dangera:w9	R	Some	Diff-Recognizing when in physical danger	Categ
4	S4DANGERA	s4dangera:w4	S	Some	Diff-Recognizing when in physical danger	Categ
5	S5DANGERA	s5dangera:w5	S	Some	Diff-Recognizing when in physical danger	Categ
6	S6DANGERA	s6dangera:w6	S	Some	Diff-Recognizing when in physical danger	Categ
7	S7DANGERA	s7dangera:w7	S	Some	Diff-Recognizing when in physical danger	Categ
8	S8DANGERA	s8dangera:w8	S	Some	Diff-Recognizing when in physical danger	Categ
9	S9DANGERA	s9dangera:w9	S	Some	Diff-Recognizing when in physical danger	Categ
4	R4COMMUNA	r4communa:w4	R	Some	Diff-Communication (speech, hearing, eye	Categ
5	R5COMMUNA	r5communa:w5	R	Some	Diff-Communication (speech, hearing, eye	Categ
6	R6COMMUNA	r6communa:w6	R	Some	Diff-Communication (speech, hearing, eye	Categ
7	R7COMMUNA	r7communa:w7	R	Some	Diff-Communication (speech, hearing, eye	Categ
8	R8COMMUNA	r8communa:w8	R	Some	Diff-Communication (speech, hearing, eye	Categ
9	R9COMMUNA	r9communa:w9	R	Some	Diff-Communication (speech, hearing, eye	Categ
4	S4COMMUNA	s4communa:w4	S	Some	Diff-Communication (speech, hearing, eye	Categ
5	S5COMMUNA	s5communa:w5	S	Some	Diff-Communication (speech, hearing, eye	Categ
6	S6COMMUNA	s6communa:w6	S	Some	Diff-Communication (speech, hearing, eye	Categ
7	S7COMMUNA	s7communa:w7	S	Some	Diff-Communication (speech, hearing, eye	Categ
8	S8COMMUNA	s8communa:w8	S	Some	Diff-Communication (speech, hearing, eye	Categ
9	S9COMMUNA	s9communa:w9	S	Some	Diff-Communication (speech, hearing, eye	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MAPA	11908	0.05	0.22	0.00	1.00
R2MAPA	9429	0.06	0.24	0.00	1.00
R3MAPA	9762	0.05	0.22	0.00	1.00
R4MAPA	11041	0.05	0.22	0.00	1.00
R5MAPA	10266	0.05	0.23	0.00	1.00
R6MAPA	10596	0.05	0.22	0.00	1.00
R7MAPA	9664	0.05	0.21	0.00	1.00
R8MAPA	8443	0.05	0.21	0.00	1.00
R9MAPA	8731	0.05	0.22	0.00	1.00
S1MAPA	7936	0.04	0.20	0.00	1.00

S2MAPA	6175	0.05	0.21	0.00	1.00
S3MAPA	6382	0.04	0.19	0.00	1.00
S4MAPA	7394	0.04	0.19	0.00	1.00
S5MAPA	6957	0.04	0.19	0.00	1.00
S6MAPA	7239	0.04	0.19	0.00	1.00
S7MAPA	6558	0.04	0.19	0.00	1.00
S8MAPA	5686	0.04	0.19	0.00	1.00
S9MAPA	5817	0.04	0.19	0.00	1.00
R1PHONEA	11908	0.02	0.13	0.00	1.00
R2PHONEA	9429	0.02	0.15	0.00	1.00
R3PHONEA	9762	0.03	0.16	0.00	1.00
R4PHONEA	11041	0.03	0.16	0.00	1.00
R5PHONEA	10266	0.03	0.17	0.00	1.00
R6PHONEA	10596	0.03	0.17	0.00	1.00
R7PHONEA	9664	0.03	0.17	0.00	1.00
R8PHONEA	8443	0.03	0.17	0.00	1.00
R9PHONEA	8731	0.03	0.18	0.00	1.00
S1PHONEA	7936	0.02	0.13	0.00	1.00
S2PHONEA	6175	0.02	0.15	0.00	1.00
S3PHONEA	6382	0.02	0.14	0.00	1.00
S4PHONEA	7394	0.02	0.15	0.00	1.00
S5PHONEA	6957	0.02	0.15	0.00	1.00
S6PHONEA	7239	0.02	0.15	0.00	1.00
S7PHONEA	6558	0.02	0.15	0.00	1.00
S8PHONEA	5686	0.02	0.15	0.00	1.00
S9PHONEA	5817	0.03	0.16	0.00	1.00
R1MONEYA	11908	0.02	0.15	0.00	1.00
R2MONEYA	9429	0.03	0.18	0.00	1.00
R3MONEYA	9762	0.04	0.19	0.00	1.00
R4MONEYA	11041	0.03	0.18	0.00	1.00
R5MONEYA	10266	0.04	0.19	0.00	1.00
R6MONEYA	10596	0.04	0.19	0.00	1.00
R7MONEYA	9664	0.04	0.19	0.00	1.00
R8MONEYA	8443	0.04	0.19	0.00	1.00
R9MONEYA	8731	0.04	0.20	0.00	1.00
S1MONEYA	7936	0.02	0.13	0.00	1.00
S2MONEYA	6175	0.03	0.16	0.00	1.00
S3MONEYA	6382	0.02	0.14	0.00	1.00
S4MONEYA	7394	0.02	0.15	0.00	1.00
S5MONEYA	6957	0.02	0.15	0.00	1.00
S6MONEYA	7239	0.02	0.15	0.00	1.00
S7MONEYA	6558	0.02	0.15	0.00	1.00
S8MONEYA	5686	0.03	0.16	0.00	1.00
S9MONEYA	5817	0.03	0.17	0.00	1.00
R1MEDSA	11908	0.01	0.12	0.00	1.00
R2MEDSA	9429	0.02	0.15	0.00	1.00
R3MEDSA	9762	0.02	0.15	0.00	1.00
R4MEDSA	11041	0.02	0.16	0.00	1.00
R5MEDSA	10266	0.03	0.16	0.00	1.00
R6MEDSA	10596	0.03	0.16	0.00	1.00
R7MEDSA	9664	0.03	0.16	0.00	1.00
R8MEDSA	8443	0.03	0.18	0.00	1.00
R9MEDSA	8731	0.03	0.18	0.00	1.00
S1MEDSA	7936	0.01	0.12	0.00	1.00
S2MEDSA	6175	0.02	0.14	0.00	1.00
S3MEDSA	6382	0.02	0.13	0.00	1.00
S4MEDSA	7394	0.02	0.13	0.00	1.00

S5MEDSA	6957	0.02	0.14	0.00	1.00
S6MEDSA	7239	0.02	0.14	0.00	1.00
S7MEDSA	6558	0.02	0.13	0.00	1.00
S8MEDSA	5686	0.02	0.15	0.00	1.00
S9MEDSA	5817	0.02	0.16	0.00	1.00
R1SHOPA	11908	0.09	0.29	0.00	1.00
R2SHOPA	9429	0.10	0.30	0.00	1.00
R3SHOPA	9762	0.10	0.30	0.00	1.00
R4SHOPA	11041	0.09	0.29	0.00	1.00
R5SHOPA	10266	0.10	0.30	0.00	1.00
R6SHOPA	10596	0.09	0.29	0.00	1.00
R7SHOPA	9664	0.09	0.29	0.00	1.00
R8SHOPA	8443	0.10	0.30	0.00	1.00
R9SHOPA	8731	0.09	0.29	0.00	1.00
S1SHOPA	7936	0.07	0.25	0.00	1.00
S2SHOPA	6175	0.07	0.26	0.00	1.00
S3SHOPA	6382	0.07	0.25	0.00	1.00
S4SHOPA	7394	0.06	0.24	0.00	1.00
S5SHOPA	6957	0.06	0.24	0.00	1.00
S6SHOPA	7239	0.06	0.23	0.00	1.00
S7SHOPA	6558	0.06	0.24	0.00	1.00
S8SHOPA	5686	0.06	0.24	0.00	1.00
S9SHOPA	5817	0.06	0.24	0.00	1.00
R1MEALSA	11908	0.04	0.20	0.00	1.00
R2MEALSA	9429	0.05	0.22	0.00	1.00
R3MEALSA	9762	0.05	0.22	0.00	1.00
R4MEALSA	11041	0.05	0.21	0.00	1.00
R5MEALSA	10266	0.05	0.22	0.00	1.00
R6MEALSA	10596	0.05	0.23	0.00	1.00
R7MEALSA	9664	0.05	0.22	0.00	1.00
R8MEALSA	8443	0.06	0.23	0.00	1.00
R9MEALSA	8731	0.06	0.23	0.00	1.00
S1MEALSA	7936	0.04	0.19	0.00	1.00
S2MEALSA	6175	0.04	0.20	0.00	1.00
S3MEALSA	6382	0.04	0.19	0.00	1.00
S4MEALSA	7394	0.03	0.18	0.00	1.00
S5MEALSA	6957	0.03	0.18	0.00	1.00
S6MEALSA	7239	0.04	0.19	0.00	1.00
S7MEALSA	6558	0.03	0.18	0.00	1.00
S8MEALSA	5686	0.04	0.20	0.00	1.00
S9MEALSA	5817	0.04	0.20	0.00	1.00
R1HOUSEWKA	11908	0.16	0.36	0.00	1.00
R2HOUSEWKA	9429	0.17	0.37	0.00	1.00
R3HOUSEWKA	9762	0.15	0.36	0.00	1.00
R4HOUSEWKA	11041	0.15	0.35	0.00	1.00
R5HOUSEWKA	10266	0.16	0.36	0.00	1.00
R6HOUSEWKA	10596	0.15	0.36	0.00	1.00
R7HOUSEWKA	9664	0.15	0.36	0.00	1.00
R8HOUSEWKA	8443	0.16	0.37	0.00	1.00
R9HOUSEWKA	8731	0.15	0.36	0.00	1.00
S1HOUSEWKA	7936	0.13	0.33	0.00	1.00
S2HOUSEWKA	6175	0.13	0.34	0.00	1.00
S3HOUSEWKA	6382	0.11	0.31	0.00	1.00
S4HOUSEWKA	7394	0.11	0.31	0.00	1.00
S5HOUSEWKA	6957	0.11	0.32	0.00	1.00
S6HOUSEWKA	7239	0.11	0.31	0.00	1.00
S7HOUSEWKA	6558	0.11	0.31	0.00	1.00



S8HOUSEWKA	5686	0.12	0.32	0.00	1.00
S9HOUSEWKA	5817	0.11	0.31	0.00	1.00
R4DANGERA	11041	0.02	0.13	0.00	1.00
R5DANGERA	10266	0.02	0.13	0.00	1.00
R6DANGERA	10596	0.02	0.14	0.00	1.00
R7DANGERA	9664	0.02	0.13	0.00	1.00
R8DANGERA	8443	0.02	0.13	0.00	1.00
R9DANGERA	8731	0.02	0.13	0.00	1.00
S4DANGERA	7394	0.01	0.10	0.00	1.00
S5DANGERA	6957	0.01	0.10	0.00	1.00
S6DANGERA	7239	0.01	0.10	0.00	1.00
S7DANGERA	6558	0.01	0.10	0.00	1.00
S8DANGERA	5686	0.01	0.12	0.00	1.00
S9DANGERA	5817	0.01	0.10	0.00	1.00
R4COMMUNA	11041	0.04	0.20	0.00	1.00
R5COMMUNA	10266	0.04	0.19	0.00	1.00
R6COMMUNA	10596	0.04	0.19	0.00	1.00
R7COMMUNA	9664	0.04	0.19	0.00	1.00
R8COMMUNA	8443	0.04	0.19	0.00	1.00
R9COMMUNA	8731	0.04	0.20	0.00	1.00
S4COMMUNA	7394	0.04	0.18	0.00	1.00
S5COMMUNA	6957	0.03	0.17	0.00	1.00
S6COMMUNA	7239	0.03	0.17	0.00	1.00
S7COMMUNA	6558	0.03	0.17	0.00	1.00
S8COMMUNA	5686	0.03	0.18	0.00	1.00
S9COMMUNA	5817	0.03	0.18	0.00	1.00

### Categorical Variable Codes

Value-----	R1MAPA	R2MAPA	R3MAPA	R4MAPA	R5MAPA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	11279	8862	9247	10452	9713
1.Yes	629	567	515	589	553
Value-----	R6MAPA	R7MAPA	R8MAPA	R9MAPA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	10068	9196	8034	8297	
1.Yes	528	468	409	434	
Value-----	S1MAPA	S2MAPA	S3MAPA	S4MAPA	S5MAPA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7614	5890	6141	7108	6699
1.Yes	322	285	241	286	258
Value-----	S6MAPA	S7MAPA	S8MAPA	S9MAPA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6971	6325	5482	5605	
1.Yes	268	233	204	212	
Value-----	R1PHONEA	R2PHONEA	R3PHONEA	R4PHONEA	R5PHONEA

.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	11695	9211	9507	10744	9953
1.Yes	213	218	255	297	313
Value-----	R6PHONEA	R7PHONEA	R8PHONEA	R9PHONEA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	10291	9364	8195	8453	
1.Yes	305	300	248	278	
Value-----	S1PHONEA	S2PHONEA	S3PHONEA	S4PHONEA	S5PHONEA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7797	6030	6263	7233	6794
1.Yes	139	145	119	161	163
Value-----	S6PHONEA	S7PHONEA	S8PHONEA	S9PHONEA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	7070	6402	5548	5669	
1.Yes	169	156	138	148	
Value-----	R1MONEYA	R2MONEYA	R3MONEYA	R4MONEYA	R5MONEYA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	11620	9117	9404	10673	9885
1.Yes	288	312	358	368	381
Value-----	R6MONEYA	R7MONEYA	R8MONEYA	R9MONEYA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	10183	9316	8122	8364	
1.Yes	413	348	321	367	
Value-----	S1MONEYA	S2MONEYA	S3MONEYA	S4MONEYA	S5MONEYA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7806	6018	6245	7234	6797
1.Yes	130	157	137	160	160
Value-----	S6MONEYA	S7MONEYA	S8MONEYA	S9MONEYA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	7061	6417	5535	5652	
1.Yes	178	141	151	165	
Value-----	R1MEDSA	R2MEDSA	R3MEDSA	R4MEDSA	R5MEDSA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	11731	9224	9540	10768	9982
1.Yes	177	205	222	273	284

Value-----	R6MEDSA	R7MEDSA	R8MEDSA	R9MEDSA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	10314	9401	8172	8433	
1.Yes	282	263	271	298	
Value-----	S1MEDSA	S2MEDSA	S3MEDSA	S4MEDSA	S5MEDSA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7821	6055	6269	7258	6825
1.Yes	115	120	113	136	132
Value-----	S6MEDSA	S7MEDSA	S8MEDSA	S9MEDSA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	7101	6438	5548	5673	
1.Yes	138	120	138	144	
Value-----	R1SHOPA	R2SHOPA	R3SHOPA	R4SHOPA	R5SHOPA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	10801	8496	8804	10039	9259
1.Yes	1107	933	958	1002	1007
Value-----	R6SHOPA	R7SHOPA	R8SHOPA	R9SHOPA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	9598	8786	7629	7952	
1.Yes	998	878	814	779	
Value-----	S1SHOPA	S2SHOPA	S3SHOPA	S4SHOPA	S5SHOPA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7402	5736	5955	6943	6543
1.Yes	534	439	427	451	414
Value-----	S6SHOPA	S7SHOPA	S8SHOPA	S9SHOPA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6827	6169	5324	5471	
1.Yes	412	389	362	346	
Value-----	R1MEALSA	R2MEALSA	R3MEALSA	R4MEALSA	R5MEALSA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	11387	8949	9274	10528	9748
1.Yes	521	480	488	513	518
Value-----	R6MEALSA	R7MEALSA	R8MEALSA	R9MEALSA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	10029	9165	7956	8243	
1.Yes	567	499	487	488	
Value-----	S1MEALSA	S2MEALSA	S3MEALSA	S4MEALSA	S5MEALSA

.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7641	5912	6145	7153	6716
1.Yes	295	263	237	241	241
Value-----	S6MEALSA	S7MEALSA	S8MEALSA	S9MEALSA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6976	6330	5442	5583	
1.Yes	263	228	244	234	
Value-----	R1HOUSEWKA	R2HOUSEWKA	R3HOUSEWKA	R4HOUSEWKA	R5HOUSEWKA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	10029	7834	8288	9431	8659
1.Yes	1879	1595	1474	1610	1607
Value-----	R6HOUSEWKA	R7HOUSEWKA	R8HOUSEWKA	R9HOUSEWKA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	8991	8229	7085	7428	
1.Yes	1605	1435	1358	1303	
Value-----	S1HOUSEWKA	S2HOUSEWKA	S3HOUSEWKA	S4HOUSEWKA	S5HOUSEWKA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	6938	5353	5683	6606	6168
1.Yes	998	822	699	788	789
Value-----	S6HOUSEWKA	S7HOUSEWKA	S8HOUSEWKA	S9HOUSEWKA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6437	5848	5011	5188	
1.Yes	802	710	675	629	
Value-----				R4DANGERA	R5DANGERA
.d:DK				2	3
.r:Refuse				7	5
0.No				10859	10086
1.Yes				182	180
Value-----	R6DANGERA	R7DANGERA	R8DANGERA	R9DANGERA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	10399	9489	8292	8579	
1.Yes	197	175	151	152	
Value-----				S4DANGERA	S5DANGERA
.d:DK				2	3
.r:Refuse				6	4
.u:Unmar				2932	2742
.v:SP NR				716	568
0.No				7320	6887
1.Yes				74	70
Value-----	S6DANGERA	S7DANGERA	S8DANGERA	S9DANGERA	
.d:DK	1	2		3	

.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	7162	6487	5609	5753	
1.Yes	77	71	77	64	
Value-----				R4COMMUNA	R5COMMUNA
.d:DK				2	3
.r:Refuse				7	5
0.No				10583	9875
1.Yes				458	391
Value-----	R6COMMUNA	R7COMMUNA	R8COMMUNA	R9COMMUNA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	10189	9296	8117	8380	
1.Yes	407	368	326	351	
Value-----				S4COMMUNA	S5COMMUNA
.d:DK				2	3
.r:Refuse				6	4
.u:Unmar				2932	2742
.v:SP NR				716	568
0.No				7132	6750
1.Yes				262	207
Value-----	S6COMMUNA	S7COMMUNA	S8COMMUNA	S9COMMUNA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	7014	6351	5496	5617	
1.Yes	225	207	190	200	

## How Constructed

These variables indicate difficulty with instrumental activities of daily living (IADLs). The IADLs include using the phone (RwPHONEA), taking medications (RwMEDSA), managing money (RwMONEYA), shopping for groceries (RwSHOPA), preparing meals (RwMEALSA), using a map (RwMAPA), doing work around the house or garden (RwHOUSEWKA), recognizing when in physical danger (RwDANGERA), and communicating through speech, hearing, or eyesight (RwCOMMUNA). A code of 0 indicates that the respondent did not report any problems with the instrumental activity. A code of 1 indicates that the respondent reported some difficulty with the instrumental activity. Don't know, refused, or other missing responses to RwPHONEA, RwMEDSA, RwMONEYA, RwSHOPA, RwMEALSA, RwMAPA, RwHOUSEWKA, RwDANGERA, and RwCOMMUNA are assigned special missing values .d, .r, .m respectively. RwPHONEA, RwMEDSA, RwMONEYA, RwSHOPA, RwMEALSA, RwMAPA, and RwHOUSEWKA are set to special missing .p if the instrumental activities questions were skipped because the interview was by proxy in Wave 1. RwPHONEA, RwMEDSA, RwMONEYA, RwSHOPA, RwMEALSA, RwMAPA, RwHOUSEWKA, RwDANGERA, and RwCOMMUNA are set to plain missing (.) for respondents who did not respond to the current wave. RwDANGERA and RwCOMMUNA are available starting in Wave 4.

SwPHONEA, SwMEDSA, SwMONEYA, SwSHOPA, SwMEALSA, SwMAPA, SwHOUSEWKA, SwDANGERA, and SwCOMMUNA indicate whether the respondent's spouse reported any difficulty and are taken directly from spouse's responses to RwPHONEA, RwMEDSA, RwMONEYA, RwSHOPA, RwMEALSA, RwMAPA, RwHOUSEWKA, RwDANGERA, and RwCOMMUNA, respectively. In addition to the special missing codes used in RwPHONEA, RwMEDSA, RwMONEYA, RwSHOPA, RwMEALSA, RwMAPA, RwHOUSEWKA, RwDANGERA, and RwCOMMUNA, SwPHONEA, SwMEDSA, SwMONEYA, SwSHOPA, SwMEALSA, SwMAPA, SwHOUSEWKA, SwDANGERA, and SwCOMMUNA employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

In the ELSA, respondents identify IADLs by selecting instrumental activities they have difficulty with from a card containing a list of activities. Respondents are asked to exclude any difficulties they expect to last less than three months.

## Cross Wave Differences in ELSA

Instrumental activities of daily living questions were not asked to proxy respondents in Wave 1. Proxy respondents were asked about difficulty with instrumental activities of daily living from Wave 2 forward.

Respondents are asked about difficulty with recognizing when they are in physical danger and with communication through speech, hearing, or eyesight starting in Wave 4.

### Differences with the RAND HRS/Harmonized HRS

In the RAND HRS, these binary indicators of some difficulty with IADLs are recoded from a set of raw variables for Wave 2 of the HRS. In Wave 2 of the HRS, respondents were given several options to report level of difficulty with activities of instrumental daily living for second wave. These levels included not difficult, occasionally difficult, difficult some of the time, and difficult most of the time. The RAND HRS recodes these levels to either No (not difficult) or Yes (difficult).

Unlike the HRS, ELSA has respondents identify difficulty with IADLs by selecting activities they have difficulty with from a card containing a list of activities. ELSA respondents do not have the option of identifying activities which they do not do.

ELSA asks about difficulty doing housework, recognizing when in physical danger, and with communication, which are not asked in the HRS.

### ELSA Variables Used

#### Wave 1 Core:

HEADB01	because of a health or memory problem, do you have any
HEADB02	because of a health or memory problem, do you have any
HEADB03	because of a health or memory problem, do you have any
HEADB04	because of a health or memory problem, do you have any
HEADB05	because of a health or memory problem, do you have any
HEADB06	because of a health or memory problem, do you have any
HEADB07	because of a health or memory problem, do you have any
HEADB08	because of a health or memory problem, do you have any
HEADB09	because of a health or memory problem, do you have any
HEADB10	because of a health or memory problem, do you have any
HEADB11	because of a health or memory problem, do you have any
HEADB12	because of a health or memory problem, do you have any
HEADB13	because of a health or memory problem, do you have any
HEADB14	because of a health or memory problem, do you have any

#### Wave 2 Core:

HEADB01	IADL: activity has problem with due to health/physical p
HEADB02	IADL: activity has problem with due to health/physical p
HEADB03	IADL: activity has problem with due to health/physical p
HEADB04	IADL: activity has problem with due to health/physical p
HEADB05	IADL: activity has problem with due to health/physical p
HEADB06	IADL: activity has problem with due to health/physical p
HEADB07	IADL: activity has problem with due to health/physical p
HEADB08	IADL: activity has problem with due to health/physical p
HEADB09	IADL: activity has problem with due to health/physical p
HEADB10	IADL: activity has problem with due to health/physical p
HEADB11	IADL: activity has problem with due to health/physical p
HEADB12	IADL: activity has problem with due to health/physical p
HEADB13	IADL: activity has problem with due to health/physical p

#### Wave 3 Core:

HEADLHO	iadl: difficulty doing work around house and garden
HEADLMA	iadl: difficulty using map to figure out how to get arou
HEADLME	iadl: difficulty taking medications
HEADLMO	iadl: difficulty managing money, eg paying bills,keeping
HEADLPH	iadl: difficulty making telephone calls
HEADLPR	iadl: difficulty preparing a hot meal
HEADLSH	iadl: difficulty shopping for groceries

#### Wave 4 Core:

HEADLCO	iadl: communication (speech, hearing or eyesight)
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HEADLDA	iadl: recognising when in physical danger
HEADLHO	iadl: doing work around the house or garden
HEADLMA	iadl: difficulty using map to figure out how to get arou
HEADLME	iadl: taking medications
HEADLMO	iadl: managing money, such as bills and expenses
HEADLPR	iadl: preparing a hot meal
HEADLSH	iadl: shopping for groceries
HEADLTE	iadl: making telephone calls
Wave 5 Core:	
HEADLCO	IADL: communication (speech, hearing or eyesight)
HEADLDA	IADL: recognising when in physical danger
HEADLHO	IADL: difficulty doing work around house and garden
HEADLMA	IADL: difficulty using map to figure out how to get arou
HEADLME	IADL: difficulty taking medications
HEADLMO	IADL: difficulty managing money, eg paying bills,keeping
HEADLPR	IADL: difficulty preparing a hot meal
HEADLSH	IADL: difficulty shopping for groceries
HEADLTE	IADL: difficulty making telephone calls
Wave 6 Core:	
HEADLCO	iadl: difficulty with communication (speech, hearing or
HEADLDA	iadl: difficulty recognising when in physical danger
HEADLHO	doing work around the house or garden
HEADLMA	iadl: difficulty using map to figure out how to get arou
HEADLME	iadl: difficulty taking medications
HEADLMO	managing money, such as paying bills and keeping track
HEADLPH	iadl: difficulty making telephone calls
HEADLPR	iadl: difficulty preparing a hot meal
HEADLSH	iadl: difficulty shopping for groceries
Wave 7 Core:	
HEADLDA	iadl: difficulty recognising when in physical danger
HEADLHO	doing work around the house or garden
HEADLMA	iadl: difficulty using map to figure out how to get arou
HEADLME	iadl: difficulty taking medications
HEADLMO	managing money, such as paying bills and keeping track
HEADLPH	iadl: difficulty making telephone calls
HEADLPR	iadl: difficulty preparing a hot meal
HEADLSH	iadl: difficulty shopping for groceries
HEADLSP	iadl: difficulty with communication (speech, hearing or
Wave 8 Core:	
HEADLDA	iadl: difficulty recognising when in physical danger
HEADLHO	iadl: difficulty doing work around house and garden
HEADLMA	iadl: difficulty using map to figure out how to get arou
HEADLME	iadl: difficulty taking medications
HEADLMO	iadl: difficulty managing money, e.g. paying bills, keep
HEADLPH	iadl: difficulty making telephone calls
HEADLPR	iadl: difficulty preparing a hot meal
HEADLSH	iadl: difficulty shopping for groceries
HEADLSP	iadl: difficulty with communication (speech, hearing or
Wave 9 Core:	
HEADLDA	IADL: difficulty recognising when in physical danger
HEADLHO	IADL: difficulty doing work around house and garden
HEADLMA	IADL: difficulty using map to figure out how to get arou
HEADLME	IADL: difficulty taking medications
HEADLMO	IADL: difficulty managing money, e.g. paying bills, keep
HEADLPH	IADL: difficulty making telephone calls
HEADLPR	IADL: difficulty preparing a hot meal
HEADLSH	IADL: difficulty shopping for groceries
HEADLSP	IADL: difficulty with communication (speech, hearing or

<b>Other Functional Limitations: Some Difficulty</b>
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Wave	Variable	Label	Type
1	R1WALK100A	r1walk100a:w1 R Some Diff-Walk 100y	Categ
2	R2WALK100A	r2walk100a:w2 R Some Diff-Walk 100y	Categ
3	R3WALK100A	r3walk100a:w3 R Some Diff-Walk 100y	Categ
4	R4WALK100A	r4walk100a:w4 R Some Diff-Walk 100y	Categ
5	R5WALK100A	r5walk100a:w5 R Some Diff-Walk 100y	Categ
6	R6WALK100A	r6walk100a:w6 R Some Diff-Walk 100y	Categ
7	R7WALK100A	r7walk100a:w7 R Some Diff-Walk 100y	Categ
8	R8WALK100A	r8walk100a:w8 R Some Diff-Walk 100y	Categ
9	R9WALK100A	r9walk100a:w9 R Some Diff-Walk 100y	Categ
1	S1WALK100A	s1walk100a:w1 S Some Diff-Walk 100y	Categ
2	S2WALK100A	s2walk100a:w2 S Some Diff-Walk 100y	Categ
3	S3WALK100A	s3walk100a:w3 S Some Diff-Walk 100y	Categ
4	S4WALK100A	s4walk100a:w4 S Some Diff-Walk 100y	Categ
5	S5WALK100A	s5walk100a:w5 S Some Diff-Walk 100y	Categ
6	S6WALK100A	s6walk100a:w6 S Some Diff-Walk 100y	Categ
7	S7WALK100A	s7walk100a:w7 S Some Diff-Walk 100y	Categ
8	S8WALK100A	s8walk100a:w8 S Some Diff-Walk 100y	Categ
9	S9WALK100A	s9walk100a:w9 S Some Diff-Walk 100y	Categ
1	R1SITA	r1sita:w1 R Some Diff-Sit for 2 hours	Categ
2	R2SITA	r2sita:w2 R Some Diff-Sit for 2 hours	Categ
3	R3SITA	r3sita:w3 R Some Diff-Sit for 2 hours	Categ
4	R4SITA	r4sita:w4 R Some Diff-Sit for 2 hours	Categ
5	R5SITA	r5sita:w5 R Some Diff-Sit for 2 hours	Categ
6	R6SITA	r6sita:w6 R Some Diff-Sit for 2 hours	Categ
7	R7SITA	r7sita:w7 R Some Diff-Sit for 2 hours	Categ
8	R8SITA	r8sita:w8 R Some Diff-Sit for 2 hours	Categ
9	R9SITA	r9sita:w9 R Some Diff-Sit for 2 hours	Categ
1	S1SITA	s1sita:w1 S Some Diff-Sit for 2 hours	Categ
2	S2SITA	s2sita:w2 S Some Diff-Sit for 2 hours	Categ
3	S3SITA	s3sita:w3 S Some Diff-Sit for 2 hours	Categ
4	S4SITA	s4sita:w4 S Some Diff-Sit for 2 hours	Categ
5	S5SITA	s5sita:w5 S Some Diff-Sit for 2 hours	Categ
6	S6SITA	s6sita:w6 S Some Diff-Sit for 2 hours	Categ
7	S7SITA	s7sita:w7 S Some Diff-Sit for 2 hours	Categ
8	S8SITA	s8sita:w8 S Some Diff-Sit for 2 hours	Categ
9	S9SITA	s9sita:w9 S Some Diff-Sit for 2 hours	Categ
1	R1CHAIRA	r1chaira:w1 R Some Diff-Get up fr chair	Categ
2	R2CHAIRA	r2chaira:w2 R Some Diff-Get up fr chair	Categ
3	R3CHAIRA	r3chaira:w3 R Some Diff-Get up fr chair	Categ
4	R4CHAIRA	r4chaira:w4 R Some Diff-Get up fr chair	Categ
5	R5CHAIRA	r5chaira:w5 R Some Diff-Get up fr chair	Categ
6	R6CHAIRA	r6chaira:w6 R Some Diff-Get up fr chair	Categ
7	R7CHAIRA	r7chaira:w7 R Some Diff-Get up fr chair	Categ
8	R8CHAIRA	r8chaira:w8 R Some Diff-Get up fr chair	Categ
9	R9CHAIRA	r9chaira:w9 R Some Diff-Get up fr chair	Categ
1	S1CHAIRA	s1chaira:w1 S Some Diff-Get up fr chair	Categ
2	S2CHAIRA	s2chaira:w2 S Some Diff-Get up fr chair	Categ
3	S3CHAIRA	s3chaira:w3 S Some Diff-Get up fr chair	Categ
4	S4CHAIRA	s4chaira:w4 S Some Diff-Get up fr chair	Categ
5	S5CHAIRA	s5chaira:w5 S Some Diff-Get up fr chair	Categ
6	S6CHAIRA	s6chaira:w6 S Some Diff-Get up fr chair	Categ
7	S7CHAIRA	s7chaira:w7 S Some Diff-Get up fr chair	Categ



8	S8CHAIRA	s8chaira:w8	S	Some	Diff-Get up fr chair				Categ
9	S9CHAIRA	s9chaira:w9	S	Some	Diff-Get up fr chair				Categ
1	R1CLIMSA	r1climsa:w1	R	Some	Diff-Clmb sev flt str				Categ
2	R2CLIMSA	r2climsa:w2	R	Some	Diff-Clmb sev flt str				Categ
3	R3CLIMSA	r3climsa:w3	R	Some	Diff-Clmb sev flt str				Categ
4	R4CLIMSA	r4climsa:w4	R	Some	Diff-Clmb sev flt str				Categ
5	R5CLIMSA	r5climsa:w5	R	Some	Diff-Clmb sev flt str				Categ
6	R6CLIMSA	r6climsa:w6	R	Some	Diff-Clmb sev flt str				Categ
7	R7CLIMSA	r7climsa:w7	R	Some	Diff-Clmb sev flt str				Categ
8	R8CLIMSA	r8climsa:w8	R	Some	Diff-Clmb sev flt str				Categ
9	R9CLIMSA	r9climsa:w9	R	Some	Diff-Clmb sev flt str				Categ
1	S1CLIMSA	s1climsa:w1	S	Some	Diff-Clmb sev flt str				Categ
2	S2CLIMSA	s2climsa:w2	S	Some	Diff-Clmb sev flt str				Categ
3	S3CLIMSA	s3climsa:w3	S	Some	Diff-Clmb sev flt str				Categ
4	S4CLIMSA	s4climsa:w4	S	Some	Diff-Clmb sev flt str				Categ
5	S5CLIMSA	s5climsa:w5	S	Some	Diff-Clmb sev flt str				Categ
6	S6CLIMSA	s6climsa:w6	S	Some	Diff-Clmb sev flt str				Categ
7	S7CLIMSA	s7climsa:w7	S	Some	Diff-Clmb sev flt str				Categ
8	S8CLIMSA	s8climsa:w8	S	Some	Diff-Clmb sev flt str				Categ
9	S9CLIMSA	s9climsa:w9	S	Some	Diff-Clmb sev flt str				Categ
1	R1CLIM1A	r1clim1a:w1	R	Some	Diff-Clmb 1 flt str				Categ
2	R2CLIM1A	r2clim1a:w2	R	Some	Diff-Clmb 1 flt str				Categ
3	R3CLIM1A	r3clim1a:w3	R	Some	Diff-Clmb 1 flt str				Categ
4	R4CLIM1A	r4clim1a:w4	R	Some	Diff-Clmb 1 flt str				Categ
5	R5CLIM1A	r5clim1a:w5	R	Some	Diff-Clmb 1 flt str				Categ
6	R6CLIM1A	r6clim1a:w6	R	Some	Diff-Clmb 1 flt str				Categ
7	R7CLIM1A	r7clim1a:w7	R	Some	Diff-Clmb 1 flt str				Categ
8	R8CLIM1A	r8clim1a:w8	R	Some	Diff-Clmb 1 flt str				Categ
9	R9CLIM1A	r9clim1a:w9	R	Some	Diff-Clmb 1 flt str				Categ
1	S1CLIM1A	s1clim1a:w1	S	Some	Diff-Clmb 1 flt str				Categ
2	S2CLIM1A	s2clim1a:w2	S	Some	Diff-Clmb 1 flt str				Categ
3	S3CLIM1A	s3clim1a:w3	S	Some	Diff-Clmb 1 flt str				Categ
4	S4CLIM1A	s4clim1a:w4	S	Some	Diff-Clmb 1 flt str				Categ
5	S5CLIM1A	s5clim1a:w5	S	Some	Diff-Clmb 1 flt str				Categ
6	S6CLIM1A	s6clim1a:w6	S	Some	Diff-Clmb 1 flt str				Categ
7	S7CLIM1A	s7clim1a:w7	S	Some	Diff-Clmb 1 flt str				Categ
8	S8CLIM1A	s8clim1a:w8	S	Some	Diff-Clmb 1 flt str				Categ
9	S9CLIM1A	s9clim1a:w9	S	Some	Diff-Clmb 1 flt str				Categ
1	R1STOOPA	r1stooopa:w1	R	Some	Diff-Stoop/Kneel/Crch				Categ
2	R2STOOPA	r2stooopa:w2	R	Some	Diff-Stoop/Kneel/Crch				Categ
3	R3STOOPA	r3stooopa:w3	R	Some	Diff-Stoop/Kneel/Crch				Categ
4	R4STOOPA	r4stooopa:w4	R	Some	Diff-Stoop/Kneel/Crch				Categ
5	R5STOOPA	r5stooopa:w5	R	Some	Diff-Stoop/Kneel/Crch				Categ
6	R6STOOPA	r6stooopa:w6	R	Some	Diff-Stoop/Kneel/Crch				Categ
7	R7STOOPA	r7stooopa:w7	R	Some	Diff-Stoop/Kneel/Crch				Categ
8	R8STOOPA	r8stooopa:w8	R	Some	Diff-Stoop/Kneel/Crch				Categ
9	R9STOOPA	r9stooopa:w9	R	Some	Diff-Stoop/Kneel/Crch				Categ
1	S1STOOPA	s1stooopa:w1	S	Some	Diff-Stoop/Kneel/Crch				Categ
2	S2STOOPA	s2stooopa:w2	S	Some	Diff-Stoop/Kneel/Crch				Categ
3	S3STOOPA	s3stooopa:w3	S	Some	Diff-Stoop/Kneel/Crch				Categ
4	S4STOOPA	s4stooopa:w4	S	Some	Diff-Stoop/Kneel/Crch				Categ
5	S5STOOPA	s5stooopa:w5	S	Some	Diff-Stoop/Kneel/Crch				Categ
6	S6STOOPA	s6stooopa:w6	S	Some	Diff-Stoop/Kneel/Crch				Categ
7	S7STOOPA	s7stooopa:w7	S	Some	Diff-Stoop/Kneel/Crch				Categ
8	S8STOOPA	s8stooopa:w8	S	Some	Diff-Stoop/Kneel/Crch				Categ
9	S9STOOPA	s9stooopa:w9	S	Some	Diff-Stoop/Kneel/Crch				Categ

1	R1LIFTA	r1lifta:w1	R	Some	Diff-Lift/carry	10lbs	Categ
2	R2LIFTA	r2lifta:w2	R	Some	Diff-Lift/carry	10lbs	Categ
3	R3LIFTA	r3lifta:w3	R	Some	Diff-Lift/carry	10lbs	Categ
4	R4LIFTA	r4lifta:w4	R	Some	Diff-Lift/carry	10lbs	Categ
5	R5LIFTA	r5lifta:w5	R	Some	Diff-Lift/carry	10lbs	Categ
6	R6LIFTA	r6lifta:w6	R	Some	Diff-Lift/carry	10lbs	Categ
7	R7LIFTA	r7lifta:w7	R	Some	Diff-Lift/carry	10lbs	Categ
8	R8LIFTA	r8lifta:w8	R	Some	Diff-Lift/carry	10lbs	Categ
9	R9LIFTA	r9lifta:w9	R	Some	Diff-Lift/carry	10lbs	Categ
1	S1LIFTA	s1lifta:w1	S	Some	Diff-Lift/carry	10lbs	Categ
2	S2LIFTA	s2lifta:w2	S	Some	Diff-Lift/carry	10lbs	Categ
3	S3LIFTA	s3lifta:w3	S	Some	Diff-Lift/carry	10lbs	Categ
4	S4LIFTA	s4lifta:w4	S	Some	Diff-Lift/carry	10lbs	Categ
5	S5LIFTA	s5lifta:w5	S	Some	Diff-Lift/carry	10lbs	Categ
6	S6LIFTA	s6lifta:w6	S	Some	Diff-Lift/carry	10lbs	Categ
7	S7LIFTA	s7lifta:w7	S	Some	Diff-Lift/carry	10lbs	Categ
8	S8LIFTA	s8lifta:w8	S	Some	Diff-Lift/carry	10lbs	Categ
9	S9LIFTA	s9lifta:w9	S	Some	Diff-Lift/carry	10lbs	Categ
1	R1DIMEA	r1dimea:w1	R	Some	Diff-Pick up a 5p coin	Categ	Categ
2	R2DIMEA	r2dimea:w2	R	Some	Diff-Pick up a 5p coin	Categ	Categ
3	R3DIMEA	r3dimea:w3	R	Some	Diff-Pick up a 5p coin	Categ	Categ
4	R4DIMEA	r4dimea:w4	R	Some	Diff-Pick up a 5p coin	Categ	Categ
5	R5DIMEA	r5dimea:w5	R	Some	Diff-Pick up a 5p coin	Categ	Categ
6	R6DIMEA	r6dimea:w6	R	Some	Diff-Pick up a 5p coin	Categ	Categ
7	R7DIMEA	r7dimea:w7	R	Some	Diff-Pick up a 5p coin	Categ	Categ
8	R8DIMEA	r8dimea:w8	R	Some	Diff-Pick up a 5p coin	Categ	Categ
9	R9DIMEA	r9dimea:w9	R	Some	Diff-Pick up a 5p coin	Categ	Categ
1	S1DIMEA	s1dimea:w1	S	Some	Diff-Pick up a 5p coin	Categ	Categ
2	S2DIMEA	s2dimea:w2	S	Some	Diff-Pick up a 5p coin	Categ	Categ
3	S3DIMEA	s3dimea:w3	S	Some	Diff-Pick up a 5p coin	Categ	Categ
4	S4DIMEA	s4dimea:w4	S	Some	Diff-Pick up a 5p coin	Categ	Categ
5	S5DIMEA	s5dimea:w5	S	Some	Diff-Pick up a 5p coin	Categ	Categ
6	S6DIMEA	s6dimea:w6	S	Some	Diff-Pick up a 5p coin	Categ	Categ
7	S7DIMEA	s7dimea:w7	S	Some	Diff-Pick up a 5p coin	Categ	Categ
8	S8DIMEA	s8dimea:w8	S	Some	Diff-Pick up a 5p coin	Categ	Categ
9	S9DIMEA	s9dimea:w9	S	Some	Diff-Pick up a 5p coin	Categ	Categ
1	R1ARMSA	r1armsa:w1	R	Some	Diff-Rch/xtnd arms up	Categ	Categ
2	R2ARMSA	r2armsa:w2	R	Some	Diff-Rch/xtnd arms up	Categ	Categ
3	R3ARMSA	r3armsa:w3	R	Some	Diff-Rch/xtnd arms up	Categ	Categ
4	R4ARMSA	r4armsa:w4	R	Some	Diff-Rch/xtnd arms up	Categ	Categ
5	R5ARMSA	r5armsa:w5	R	Some	Diff-Rch/xtnd arms up	Categ	Categ
6	R6ARMSA	r6armsa:w6	R	Some	Diff-Rch/xtnd arms up	Categ	Categ
7	R7ARMSA	r7armsa:w7	R	Some	Diff-Rch/xtnd arms up	Categ	Categ
8	R8ARMSA	r8armsa:w8	R	Some	Diff-Rch/xtnd arms up	Categ	Categ
9	R9ARMSA	r9armsa:w9	R	Some	Diff-Rch/xtnd arms up	Categ	Categ
1	S1ARMSA	s1armsa:w1	S	Some	Diff-Rch/xtnd arms up	Categ	Categ
2	S2ARMSA	s2armsa:w2	S	Some	Diff-Rch/xtnd arms up	Categ	Categ
3	S3ARMSA	s3armsa:w3	S	Some	Diff-Rch/xtnd arms up	Categ	Categ
4	S4ARMSA	s4armsa:w4	S	Some	Diff-Rch/xtnd arms up	Categ	Categ
5	S5ARMSA	s5armsa:w5	S	Some	Diff-Rch/xtnd arms up	Categ	Categ
6	S6ARMSA	s6armsa:w6	S	Some	Diff-Rch/xtnd arms up	Categ	Categ
7	S7ARMSA	s7armsa:w7	S	Some	Diff-Rch/xtnd arms up	Categ	Categ
8	S8ARMSA	s8armsa:w8	S	Some	Diff-Rch/xtnd arms up	Categ	Categ
9	S9ARMSA	s9armsa:w9	S	Some	Diff-Rch/xtnd arms up	Categ	Categ
1	R1PUSHA	r1pusha:w1	R	Some	Diff-Push/pull lg obj	Categ	Categ
2	R2PUSHA	r2pusha:w2	R	Some	Diff-Push/pull lg obj	Categ	Categ
3	R3PUSHA	r3pusha:w3	R	Some	Diff-Push/pull lg obj	Categ	Categ

4	R4PUSHA	r4pusha:w4	R	Some	Diff-Push/pull	lg	obj	Categ
5	R5PUSHA	r5pusha:w5	R	Some	Diff-Push/pull	lg	obj	Categ
6	R6PUSHA	r6pusha:w6	R	Some	Diff-Push/pull	lg	obj	Categ
7	R7PUSHA	r7pusha:w7	R	Some	Diff-Push/pull	lg	obj	Categ
8	R8PUSHA	r8pusha:w8	R	Some	Diff-Push/pull	lg	obj	Categ
9	R9PUSHA	r9pusha:w9	R	Some	Diff-Push/pull	lg	obj	Categ
1	S1PUSHA	s1pusha:w1	S	Some	Diff-Push/pull	lg	obj	Categ
2	S2PUSHA	s2pusha:w2	S	Some	Diff-Push/pull	lg	obj	Categ
3	S3PUSHA	s3pusha:w3	S	Some	Diff-Push/pull	lg	obj	Categ
4	S4PUSHA	s4pusha:w4	S	Some	Diff-Push/pull	lg	obj	Categ
5	S5PUSHA	s5pusha:w5	S	Some	Diff-Push/pull	lg	obj	Categ
6	S6PUSHA	s6pusha:w6	S	Some	Diff-Push/pull	lg	obj	Categ
7	S7PUSHA	s7pusha:w7	S	Some	Diff-Push/pull	lg	obj	Categ
8	S8PUSHA	s8pusha:w8	S	Some	Diff-Push/pull	lg	obj	Categ
9	S9PUSHA	s9pusha:w9	S	Some	Diff-Push/pull	lg	obj	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WALK100A	11908	0.12	0.33	0.00	1.00
R2WALK100A	9429	0.12	0.33	0.00	1.00
R3WALK100A	9762	0.12	0.33	0.00	1.00
R4WALK100A	11040	0.12	0.32	0.00	1.00
R5WALK100A	10265	0.14	0.34	0.00	1.00
R6WALK100A	10596	0.14	0.34	0.00	1.00
R7WALK100A	9664	0.13	0.34	0.00	1.00
R8WALK100A	8441	0.14	0.35	0.00	1.00
R9WALK100A	8730	0.13	0.33	0.00	1.00
S1WALK100A	7936	0.10	0.30	0.00	1.00
S2WALK100A	6175	0.10	0.30	0.00	1.00
S3WALK100A	6383	0.09	0.29	0.00	1.00
S4WALK100A	7394	0.09	0.29	0.00	1.00
S5WALK100A	6957	0.10	0.30	0.00	1.00
S6WALK100A	7239	0.10	0.30	0.00	1.00
S7WALK100A	6558	0.10	0.30	0.00	1.00
S8WALK100A	5686	0.11	0.31	0.00	1.00
S9WALK100A	5817	0.09	0.29	0.00	1.00
R1SITA	11908	0.14	0.35	0.00	1.00
R2SITA	9429	0.14	0.35	0.00	1.00
R3SITA	9762	0.14	0.35	0.00	1.00
R4SITA	11040	0.12	0.33	0.00	1.00
R5SITA	10265	0.13	0.34	0.00	1.00
R6SITA	10596	0.13	0.34	0.00	1.00
R7SITA	9664	0.13	0.33	0.00	1.00
R8SITA	8441	0.13	0.34	0.00	1.00
R9SITA	8730	0.11	0.32	0.00	1.00
S1SITA	7936	0.13	0.34	0.00	1.00
S2SITA	6175	0.13	0.34	0.00	1.00
S3SITA	6383	0.13	0.33	0.00	1.00
S4SITA	7394	0.10	0.31	0.00	1.00
S5SITA	6957	0.11	0.32	0.00	1.00
S6SITA	7239	0.12	0.32	0.00	1.00
S7SITA	6558	0.11	0.32	0.00	1.00
S8SITA	5686	0.12	0.32	0.00	1.00
S9SITA	5817	0.10	0.30	0.00	1.00
R1CHAIRA	11908	0.26	0.44	0.00	1.00
R2CHAIRA	9429	0.27	0.44	0.00	1.00

R3CHAIRA	9762	0.25	0.43	0.00	1.00
R4CHAIRA	11040	0.25	0.43	0.00	1.00
R5CHAIRA	10265	0.25	0.44	0.00	1.00
R6CHAIRA	10596	0.24	0.43	0.00	1.00
R7CHAIRA	9664	0.24	0.43	0.00	1.00
R8CHAIRA	8441	0.24	0.43	0.00	1.00
R9CHAIRA	8730	0.23	0.42	0.00	1.00
S1CHAIRA	7936	0.23	0.42	0.00	1.00
S2CHAIRA	6175	0.24	0.43	0.00	1.00
S3CHAIRA	6383	0.22	0.41	0.00	1.00
S4CHAIRA	7394	0.22	0.41	0.00	1.00
S5CHAIRA	6957	0.22	0.42	0.00	1.00
S6CHAIRA	7239	0.21	0.41	0.00	1.00
S7CHAIRA	6558	0.22	0.41	0.00	1.00
S8CHAIRA	5686	0.21	0.41	0.00	1.00
S9CHAIRA	5817	0.20	0.40	0.00	1.00
R1CLIMSA	11908	0.36	0.48	0.00	1.00
R2CLIMSA	9429	0.38	0.48	0.00	1.00
R3CLIMSA	9762	0.34	0.47	0.00	1.00
R4CLIMSA	11040	0.34	0.48	0.00	1.00
R5CLIMSA	10265	0.35	0.48	0.00	1.00
R6CLIMSA	10596	0.32	0.47	0.00	1.00
R7CLIMSA	9664	0.31	0.46	0.00	1.00
R8CLIMSA	8441	0.33	0.47	0.00	1.00
R9CLIMSA	8730	0.30	0.46	0.00	1.00
S1CLIMSA	7936	0.32	0.47	0.00	1.00
S2CLIMSA	6175	0.33	0.47	0.00	1.00
S3CLIMSA	6383	0.29	0.45	0.00	1.00
S4CLIMSA	7394	0.29	0.45	0.00	1.00
S5CLIMSA	6957	0.30	0.46	0.00	1.00
S6CLIMSA	7239	0.28	0.45	0.00	1.00
S7CLIMSA	6558	0.26	0.44	0.00	1.00
S8CLIMSA	5686	0.28	0.45	0.00	1.00
S9CLIMSA	5817	0.26	0.44	0.00	1.00
R1CLIM1A	11908	0.15	0.35	0.00	1.00
R2CLIM1A	9429	0.15	0.36	0.00	1.00
R3CLIM1A	9762	0.14	0.35	0.00	1.00
R4CLIM1A	11040	0.14	0.35	0.00	1.00
R5CLIM1A	10265	0.15	0.36	0.00	1.00
R6CLIM1A	10596	0.15	0.36	0.00	1.00
R7CLIM1A	9664	0.15	0.36	0.00	1.00
R8CLIM1A	8441	0.15	0.36	0.00	1.00
R9CLIM1A	8730	0.14	0.34	0.00	1.00
S1CLIM1A	7936	0.12	0.32	0.00	1.00
S2CLIM1A	6175	0.12	0.32	0.00	1.00
S3CLIM1A	6383	0.11	0.31	0.00	1.00
S4CLIM1A	7394	0.10	0.31	0.00	1.00
S5CLIM1A	6957	0.11	0.32	0.00	1.00
S6CLIM1A	7239	0.11	0.32	0.00	1.00
S7CLIM1A	6558	0.11	0.32	0.00	1.00
S8CLIM1A	5686	0.11	0.32	0.00	1.00
S9CLIM1A	5817	0.10	0.30	0.00	1.00
R1STOOPA	11908	0.35	0.48	0.00	1.00
R2STOOPA	9429	0.38	0.49	0.00	1.00
R3STOOPA	9762	0.35	0.48	0.00	1.00
R4STOOPA	11040	0.35	0.48	0.00	1.00
R5STOOPA	10265	0.38	0.48	0.00	1.00

R6STOOPA	10596	0.37	0.48	0.00	1.00
R7STOOPA	9664	0.37	0.48	0.00	1.00
R8STOOPA	8441	0.39	0.49	0.00	1.00
R9STOOPA	8730	0.37	0.48	0.00	1.00
S1STOOPA	7936	0.32	0.46	0.00	1.00
S2STOOPA	6175	0.34	0.47	0.00	1.00
S3STOOPA	6383	0.30	0.46	0.00	1.00
S4STOOPA	7394	0.31	0.46	0.00	1.00
S5STOOPA	6957	0.32	0.47	0.00	1.00
S6STOOPA	7239	0.33	0.47	0.00	1.00
S7STOOPA	6558	0.32	0.47	0.00	1.00
S8STOOPA	5686	0.34	0.47	0.00	1.00
S9STOOPA	5817	0.32	0.47	0.00	1.00
R1LIFTA	11908	0.26	0.44	0.00	1.00
R2LIFTA	9429	0.25	0.44	0.00	1.00
R3LIFTA	9762	0.24	0.42	0.00	1.00
R4LIFTA	11040	0.23	0.42	0.00	1.00
R5LIFTA	10265	0.23	0.42	0.00	1.00
R6LIFTA	10596	0.23	0.42	0.00	1.00
R7LIFTA	9664	0.22	0.41	0.00	1.00
R8LIFTA	8441	0.23	0.42	0.00	1.00
R9LIFTA	8730	0.21	0.41	0.00	1.00
S1LIFTA	7936	0.21	0.41	0.00	1.00
S2LIFTA	6175	0.20	0.40	0.00	1.00
S3LIFTA	6383	0.18	0.38	0.00	1.00
S4LIFTA	7394	0.18	0.38	0.00	1.00
S5LIFTA	6957	0.18	0.38	0.00	1.00
S6LIFTA	7239	0.17	0.38	0.00	1.00
S7LIFTA	6558	0.16	0.37	0.00	1.00
S8LIFTA	5686	0.17	0.38	0.00	1.00
S9LIFTA	5817	0.16	0.37	0.00	1.00
R1DIMEA	11908	0.05	0.22	0.00	1.00
R2DIMEA	9429	0.05	0.23	0.00	1.00
R3DIMEA	9762	0.05	0.23	0.00	1.00
R4DIMEA	11040	0.05	0.23	0.00	1.00
R5DIMEA	10265	0.06	0.24	0.00	1.00
R6DIMEA	10596	0.06	0.23	0.00	1.00
R7DIMEA	9664	0.06	0.24	0.00	1.00
R8DIMEA	8441	0.06	0.24	0.00	1.00
R9DIMEA	8730	0.06	0.24	0.00	1.00
S1DIMEA	7936	0.04	0.20	0.00	1.00
S2DIMEA	6175	0.04	0.20	0.00	1.00
S3DIMEA	6383	0.04	0.20	0.00	1.00
S4DIMEA	7394	0.04	0.20	0.00	1.00
S5DIMEA	6957	0.05	0.21	0.00	1.00
S6DIMEA	7239	0.04	0.21	0.00	1.00
S7DIMEA	6558	0.05	0.21	0.00	1.00
S8DIMEA	5686	0.05	0.21	0.00	1.00
S9DIMEA	5817	0.05	0.22	0.00	1.00
R1ARMSA	11908	0.11	0.31	0.00	1.00
R2ARMSA	9429	0.11	0.32	0.00	1.00
R3ARMSA	9762	0.11	0.31	0.00	1.00
R4ARMSA	11040	0.10	0.31	0.00	1.00
R5ARMSA	10265	0.11	0.31	0.00	1.00
R6ARMSA	10596	0.12	0.32	0.00	1.00
R7ARMSA	9664	0.11	0.31	0.00	1.00
R8ARMSA	8441	0.11	0.31	0.00	1.00

R9ARMSA	8730	0.10	0.30	0.00	1.00
S1ARMSA	7936	0.10	0.29	0.00	1.00
S2ARMSA	6175	0.10	0.30	0.00	1.00
S3ARMSA	6383	0.09	0.29	0.00	1.00
S4ARMSA	7394	0.09	0.29	0.00	1.00
S5ARMSA	6957	0.09	0.28	0.00	1.00
S6ARMSA	7239	0.10	0.30	0.00	1.00
S7ARMSA	6558	0.09	0.29	0.00	1.00
S8ARMSA	5686	0.09	0.28	0.00	1.00
S9ARMSA	5817	0.08	0.28	0.00	1.00
R1PUSHA	11908	0.18	0.38	0.00	1.00
R2PUSHA	9429	0.19	0.39	0.00	1.00
R3PUSHA	9762	0.18	0.38	0.00	1.00
R4PUSHA	11040	0.17	0.38	0.00	1.00
R5PUSHA	10265	0.18	0.38	0.00	1.00
R6PUSHA	10596	0.18	0.38	0.00	1.00
R7PUSHA	9664	0.17	0.37	0.00	1.00
R8PUSHA	8441	0.18	0.38	0.00	1.00
R9PUSHA	8730	0.16	0.37	0.00	1.00
S1PUSHA	7936	0.15	0.35	0.00	1.00
S2PUSHA	6175	0.15	0.36	0.00	1.00
S3PUSHA	6383	0.13	0.34	0.00	1.00
S4PUSHA	7394	0.13	0.34	0.00	1.00
S5PUSHA	6957	0.13	0.34	0.00	1.00
S6PUSHA	7239	0.14	0.34	0.00	1.00
S7PUSHA	6558	0.13	0.33	0.00	1.00
S8PUSHA	5686	0.14	0.35	0.00	1.00
S9PUSHA	5817	0.12	0.32	0.00	1.00

### Categorical Variable Codes

Value-----	R1WALK100A	R2WALK100A	R3WALK100A	R4WALK100A	R5WALK100A
.d:DK	12	2		3	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	1		7	6
0.No	10452	8252	8583	9723	8870
1.Yes	1456	1177	1179	1317	1395
Value-----	R6WALK100A	R7WALK100A	R8WALK100A	R9WALK100A	
.d:DK	2	2	1	4	
.r:Refuse	3		3	2	
0.No	9145	8386	7246	7630	
1.Yes	1451	1278	1195	1100	
Value-----	S1WALK100A	S2WALK100A	S3WALK100A	S4WALK100A	S5WALK100A
.d:DK	9	2		2	3
.m:Missing			1		
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7155	5545	5801	6730	6248
1.Yes	781	630	582	664	709
Value-----	S6WALK100A	S7WALK100A	S8WALK100A	S9WALK100A	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6516	5919	5078	5274	
1.Yes	723	639	608	543	

Value-----	R1SITA	R2SITA	R3SITA	R4SITA	R5SITA
.d:DK	12	2		3	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	1		7	6
0.No	10231	8074	8367	9698	8934
1.Yes	1677	1355	1395	1342	1331
Value-----	R6SITA	R7SITA	R8SITA	R9SITA	
.d:DK	2	2	1	4	
.r:Refuse	3		3	2	
0.No	9190	8430	7339	7730	
1.Yes	1406	1234	1102	1000	
Value-----	S1SITA	S2SITA	S3SITA	S4SITA	S5SITA
.d:DK	9	2		2	3
.m:Missing			1		
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	6909	5363	5565	6621	6166
1.Yes	1027	812	818	773	791
Value-----	S6SITA	S7SITA	S8SITA	S9SITA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6385	5808	5032	5241	
1.Yes	854	750	654	576	
Value-----	R1CHAIRA	R2CHAIRA	R3CHAIRA	R4CHAIRA	R5CHAIRA
.d:DK	12	2		3	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	1		7	6
0.No	8858	6916	7320	8330	7648
1.Yes	3050	2513	2442	2710	2617
Value-----	R6CHAIRA	R7CHAIRA	R8CHAIRA	R9CHAIRA	
.d:DK	2	2	1	4	
.r:Refuse	3		3	2	
0.No	8019	7317	6397	6733	
1.Yes	2577	2347	2044	1997	
Value-----	S1CHAIRA	S2CHAIRA	S3CHAIRA	S4CHAIRA	S5CHAIRA
.d:DK	9	2		2	3
.m:Missing			1		
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	6116	4694	5010	5803	5414
1.Yes	1820	1481	1373	1591	1543
Value-----	S6CHAIRA	S7CHAIRA	S8CHAIRA	S9CHAIRA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	5700	5144	4474	4649	
1.Yes	1539	1414	1212	1168	
Value-----	R1CLIMSA	R2CLIMSA	R3CLIMSA	R4CLIMSA	R5CLIMSA
.d:DK	12	2		3	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	1		7	6
0.No	7643	5873	6411	7235	6646

1.Yes	4265	3556	3351	3805	3619
Value-----	R6CLIMSA	R7CLIMSA	R8CLIMSA	R9CLIMSA	
.d:DK	2	2	1	4	
.r:Refuse	3		3	2	
0.No	7164	6657	5689	6075	
1.Yes	3432	3007	2752	2655	
Value-----	S1CLIMSA	S2CLIMSA	S3CLIMSA	S4CLIMSA	S5CLIMSA
.d:DK	9	2		2	3
.m:Missing			1		
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	5409	4123	4540	5232	4884
1.Yes	2527	2052	1843	2162	2073
Value-----	S6CLIMSA	S7CLIMSA	S8CLIMSA	S9CLIMSA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	5225	4844	4071	4318	
1.Yes	2014	1714	1615	1499	
Value-----	R1CLIM1A	R2CLIM1A	R3CLIM1A	R4CLIM1A	R5CLIM1A
.d:DK	12	2		3	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	1		7	6
0.No	10163	7988	8357	9485	8715
1.Yes	1745	1441	1405	1555	1550
Value-----	R6CLIM1A	R7CLIM1A	R8CLIM1A	R9CLIM1A	
.d:DK	2	2	1	4	
.r:Refuse	3		3	2	
0.No	8993	8217	7180	7532	
1.Yes	1603	1447	1261	1198	
Value-----	S1CLIM1A	S2CLIM1A	S3CLIM1A	S4CLIM1A	S5CLIM1A
.d:DK	9	2		2	3
.m:Missing			1		
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7012	5452	5702	6623	6179
1.Yes	924	723	681	771	778
Value-----	S6CLIM1A	S7CLIM1A	S8CLIM1A	S9CLIM1A	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6430	5817	5050	5231	
1.Yes	809	741	636	586	
Value-----	R1STOOPA	R2STOOPA	R3STOOPA	R4STOOPA	R5STOOPA
.d:DK	12	2		3	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	1		7	6
0.No	7731	5842	6349	7176	6411
1.Yes	4177	3587	3413	3864	3854
Value-----	R6STOOPA	R7STOOPA	R8STOOPA	R9STOOPA	
.d:DK	2	2	1	4	
.r:Refuse	3		3	2	
0.No	6705	6125	5156	5527	
1.Yes	3891	3539	3285	3203	



Value-----	S1STOOPA	S2STOOPA	S3STOOPA	S4STOOPA	S5STOOPA
.d:DK	9	2		2	3
.m:Missing			1		
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	5435	4064	4466	5088	4699
1.Yes	2501	2111	1917	2306	2258

Value-----	S6STOOPA	S7STOOPA	S8STOOPA	S9STOOPA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	4865	4457	3733	3941	
1.Yes	2374	2101	1953	1876	

Value-----	R1LIFTA	R2LIFTA	R3LIFTA	R4LIFTA	R5LIFTA
.d:DK	12	2		3	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	1		7	6
0.No	8861	7025	7462	8545	7866
1.Yes	3047	2404	2300	2495	2399

Value-----	R6LIFTA	R7LIFTA	R8LIFTA	R9LIFTA	
.d:DK	2	2	1	4	
.r:Refuse	3		3	2	
0.No	8172	7568	6527	6925	
1.Yes	2424	2096	1914	1805	

Value-----	S1LIFTA	S2LIFTA	S3LIFTA	S4LIFTA	S5LIFTA
.d:DK	9	2		2	3
.m:Missing			1		
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	6265	4936	5243	6095	5733
1.Yes	1671	1239	1140	1299	1224

Value-----	S6LIFTA	S7LIFTA	S8LIFTA	S9LIFTA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	5981	5476	4691	4887	
1.Yes	1258	1082	995	930	

Value-----	R1DIMEA	R2DIMEA	R3DIMEA	R4DIMEA	R5DIMEA
.d:DK	12	2		3	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	1		7	6
0.No	11307	8919	9234	10449	9647
1.Yes	601	510	528	591	618

Value-----	R6DIMEA	R7DIMEA	R8DIMEA	R9DIMEA	
.d:DK	2	2	1	4	
.r:Refuse	3		3	2	
0.No	9983	9078	7926	8211	
1.Yes	613	586	515	519	

Value-----	S1DIMEA	S2DIMEA	S3DIMEA	S4DIMEA	S5DIMEA
.d:DK	9	2		2	3
.m:Missing			1		
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742

.v:SP NR	468	583	676	716	568
0.No	7616	5909	6117	7095	6643
1.Yes	320	266	266	299	314
Value-----	S6DIMEA	S7DIMEA	S8DIMEA	S9DIMEA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6919	6261	5418	5531	
1.Yes	320	297	268	286	
Value-----	R1ARMSA	R2ARMSA	R3ARMSA	R4ARMSA	R5ARMSA
.d:DK	12	2		3	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	1		7	6
0.No	10605	8358	8688	9882	9160
1.Yes	1303	1071	1074	1158	1105
Value-----	R6ARMSA	R7ARMSA	R8ARMSA	R9ARMSA	
.d:DK	2	2	1	4	
.r:Refuse	3		3	2	
0.No	9370	8610	7507	7842	
1.Yes	1226	1054	934	888	
Value-----	S1ARMSA	S2ARMSA	S3ARMSA	S4ARMSA	S5ARMSA
.d:DK	9	2		2	3
.m:Missing			1		
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7179	5563	5778	6726	6343
1.Yes	757	612	605	668	614
Value-----	S6ARMSA	S7ARMSA	S8ARMSA	S9ARMSA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6516	5973	5189	5330	
1.Yes	723	585	497	487	
Value-----	R1PUSHA	R2PUSHA	R3PUSHA	R4PUSHA	R5PUSHA
.d:DK	12	2		3	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	1		7	6
0.No	9786	7663	8038	9154	8441
1.Yes	2122	1766	1724	1886	1824
Value-----	R6PUSHA	R7PUSHA	R8PUSHA	R9PUSHA	
.d:DK	2	2	1	4	
.r:Refuse	3		3	2	
0.No	8709	8052	6915	7327	
1.Yes	1887	1612	1526	1403	
Value-----	S1PUSHA	S2PUSHA	S3PUSHA	S4PUSHA	S5PUSHA
.d:DK	9	2		2	3
.m:Missing			1		
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	6778	5230	5546	6441	6047
1.Yes	1158	945	837	953	910
Value-----	S6PUSHA	S7PUSHA	S8PUSHA	S9PUSHA	
.d:DK	1	2		3	
.r:Refuse	2		2		

.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.No	6246	5734	4886	5130
1.Yes	993	824	800	687

## How Constructed

These variables indicate difficulty with functional limitations other than ADLs and IADLs. The other functional limitations include walking 100 yards (RwWALK100A), sitting for about 2 hours (RwSITA), getting up from a chair after sitting for long periods (RwCHAIRA), climbing several flights of stairs without resting (RwCLIMSA), climbing one flight of stairs without resting (RwCLIM1A), lifting or carrying weights over 10 lbs (RwLIFTA), stooping, kneeling, or crouching (RwSTOOPA), reaching arms above shoulder level (RwARMSA), pushing or pulling large objects (RwPUSHA), and picking up a 5p coin from the table (RwDIMEA). A code of 0 indicates that the respondent did not report any problems with the activity. A code of 1 indicates that the respondent reported some difficulty with the activity. Don't know, refused, or other missing responses to RwWALK100A, RwSITA, RwCHAIRA, RwCLIMSA, RwCLIM1A, RwLIFTA, RwSTOOPA, RwARMSA, RwPUSHA, and RwDIMEA are assigned special missing values .d, .r, .m respectively. RwWALK100A, RwSITA, RwCHAIRA, RwCLIMSA, RwCLIM1A, RwLIFTA, RwSTOOPA, RwARMSA, RwPUSHA, and RwDIMEA are set to special missing .p if the functional limitations questions were skipped because the interview was by proxy. RwWALK100A, RwSITA, RwCHAIRA, RwCLIMSA, RwCLIM1A, RwLIFTA, RwSTOOPA, RwARMSA, RwPUSHA, and RwDIMEA are set to plain missing (.) for respondents who did not respond to the current wave.

SwWALK100A, SwSITA, SwCHAIRA, SwCLIMSA, SwCLIM1A, SwLIFTA, SwSTOOPA, SwARMSA, SwPUSHA, and SwDIMEA indicate whether the respondent's spouse reported any difficulty and are taken directly from spouse's responses to RwWALK100A, RwSITA, RwCHAIRA, RwCLIMSA, RwCLIM1A, RwLIFTA, RwSTOOPA, RwARMSA, RwPUSHA, and RwDIMEA, respectively. In addition to the special missing codes used in RwWALK100A, RwSITA, RwCHAIRA, RwCLIMSA, RwCLIM1A, RwLIFTA, RwSTOOPA, RwARMSA, RwPUSHA, and RwDIMEA, SwWALK100A, SwSITA, SwCHAIRA, SwCLIMSA, SwCLIM1A, SwLIFTA, SwSTOOPA, SwARMSA, SwPUSHA, and SwDIMEA employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

In the ELSA, respondents identify other functional limitations by selecting activities they have difficulty with from a card containing a list of activities. Respondents are asked to exclude any difficulties they expect to last less than three months.

## Cross Wave Differences in ELSA

Functional limitations questions were not asked to proxy respondents in Wave 1. Proxy respondents were asked about difficulty with functional limitations from Wave 2 forward.

## Differences with the RAND HRS/Harmonized HRS

In the RAND HRS, these binary indicators of some difficulty with other activities are recoded from a set of raw variables for Wave 2 of the HRS. In Wave 2 of the HRS, respondents were given several options to report level of difficulty with other activities. These levels included not difficult, occasionally difficult, difficult some of the time, and difficult most of the time. The RAND HRS recodes these levels to either No (not difficult) or Yes (difficult).

Unlike the HRS, ELSA has respondents identify difficulty with other activities by selecting activities they have difficulty with from a card containing a list of activities. ELSA respondents do not have the option of identifying activities which they do not do.

## ELSA Variables Used

Wave 1 Core:

HEADA01	because of a health problem, do you have any difficultie
HEADA02	show card 1 @/we need to understand difficulties people
HEADA03	show card 1 @/we need to understand difficulties people
HEADA04	because of a health problem, do you have any difficultie
HEADA05	because of a health problem, do you have any difficultie
HEADA06	because of a health problem, do you have any difficultie

HEADA07	because of a health problem, do you have any difficultie
HEADA08	because of a health problem, do you have any difficultie
HEADA09	because of a health problem, do you have any difficultie
HEADA10	because of a health problem, do you have any difficultie
HEADA11	because of a health problem, do you have any difficultie
Wave 2 Core:	
HEADA01	ADL: activity has problem with due to health/physical pr
HEADA02	ADL: activity has problem with due to health/physical pr
HEADA03	ADL: activity has problem with due to health/physical pr
HEADA04	ADL: activity has problem with due to health/physical pr
HEADA05	ADL: activity has problem with due to health/physical pr
HEADA06	ADL: activity has problem with due to health/physical pr
HEADA07	ADL: activity has problem with due to health/physical pr
HEADA08	ADL: activity has problem with due to health/physical pr
HEADA09	ADL: activity has problem with due to health/physical pr
HEADA10	ADL: activity has problem with due to health/physical pr
Wave 3 Core:	
HEMOBCH	mobility: difficulty getting up from chair after sitting
HEMOBCL	mobility: difficulty climbing one flight stairs without
HEMOBCS	mobility: difficulty climbing several flights stairs wit
HEMOBLI	mobility: difficulty lifting or carrying weights over 10
HEMOBPI	mobility: difficulty picking up 5p coin from table
HEMOBPU	mobility: difficulty pulling or pushing large objects
HEMOBRE	mobility: difficulty reaching or ectending arms above sh
HEMOBSI	mobility: difficulty sitting 2 hours
HEMOBST	mobility: difficulty stooping, kneeling or crouching
HEMOBWA	mobility: difficulty walking 100 yards
Wave 4 Core:	
HEMOBCH	mobility: difficulty getting up from chair after sitting
HEMOBCL	mobility: difficulty climbing one flight stairs without
HEMOBCS	mobility: difficulty climbing several flights stairs wit
HEMOBLI	mobility: difficulty lifting or carrying weights over 10
HEMOBPI	mobility: difficulty picking up 5p coin from table
HEMOBPU	mobility: difficulty pulling or pushing large objects
HEMOBRE	mobility: difficulty reaching or extending arms above sh
HEMOBSI	mobility: difficulty sitting 2 hours
HEMOBST	mobility: difficulty stooping, kneeling or crouching
HEMOBWA	mobility: difficulty walking 100 yards
Wave 5 Core:	
HEMOBCH	Mobility: difficulty getting up from chair after sitting
HEMOBCL	Mobility: difficulty climbing one flight stairs without
HEMOBCS	Mobility: difficulty climbing several flights stairs wit
HEMOBLI	Mobility: difficulty lifting or carrying weights over 10
HEMOBPI	Mobility: difficulty picking up 5p coin from table
HEMOBPU	Mobility: difficulty pulling or pushing large objects
HEMOBRE	Mobility: difficulty reaching or ectending arms above sh
HEMOBSI	Mobility: difficulty sitting 2 hours
HEMOBST	Mobility: difficulty stooping, kneeling or crouching
HEMOBWA	Mobility: difficulty walking 100 yards
Wave 6 Core:	
HEMOBCH	mobility: difficulty getting up from chair after sitting
HEMOBCL	mobility: difficulty climbing one flight stairs without
HEMOBCS	mobility: difficulty climbing several flights stairs wit
HEMOBLI	mobility: difficulty lifting or carrying weights over 10
HEMOBPI	mobility: difficulty picking up 5p coin from table
HEMOBPU	mobility: difficulty pulling or pushing large objects
HEMOBRE	mobility: difficulty reaching or ectending arms above sh
HEMOBSI	mobility: difficulty sitting 2 hours
HEMOBST	mobility: difficulty stooping, kneeling or crouching
HEMOBWA	mobility: difficulty walking 100 yards
Wave 7 Core:	
HEMOBCH	mobility: difficulty getting up from chair after sitting
HEMOBCL	mobility: difficulty climbing one flight stairs without

HEMOBCS mobility: difficulty climbing several flights stairs wit  
 HEMOBLI mobility: difficulty lifting or carrying weights over 10  
 HEMOBPI mobility: difficulty picking up 5p coin from table  
 HEMOBPU mobility: difficulty pulling or pushing large objects  
 HEMOBRE mobility: difficulty reaching or ectending arms above sh  
 HEMOBSI mobility: difficulty sitting 2 hours  
 HEMOBST mobility: difficulty stooping, kneeling or crouching  
 HEMOBWA mobility: difficulty walking 100 yards

## Wave 8 Core:

HEMOBCH mobility: difficulty getting up from chair after sitting  
 HEMOBCL mobility: difficulty climbing one flight stairs without  
 HEMOBCS mobility: difficulty climbing several flights stairs wit  
 HEMOBLI mobility: difficulty lifting or carrying weights over 10  
 HEMOBPI mobility: difficulty picking up 5p coin from table  
 HEMOBPU mobility: difficulty pulling or pushing large objects  
 HEMOBRE mobility: difficulty reaching or extending arms above sh  
 HEMOBSI mobility: difficulty sitting 2 hours  
 HEMOBST mobility: difficulty stooping, kneeling or crouching  
 HEMOBWA mobility: difficulty walking 100 yards

## Wave 9 Core:

HEMOBCH Mobility: difficulty getting up from chair after sitting  
 HEMOBCL Mobility: difficulty climbing one flight stairs without  
 HEMOBCS Mobility: difficulty climbing several flights stairs wit  
 HEMOBLI Mobility: difficulty lifting or carrying weights over 10  
 HEMOBPI Mobility: difficulty picking up 5p coin from table  
 HEMOBPU Mobility: difficulty pulling or pushing large objects  
 HEMOBRE Mobility: difficulty reaching or extending arms above sh  
 HEMOBSI Mobility: difficulty sitting 2 hours  
 HEMOBST Mobility: difficulty stooping, kneeling or crouching  
 HEMOBWA Mobility: difficulty walking 100 yards

<b>ADL Summary: Sum ADLs Where Respondent Reports Any Difficulty</b>
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Wave	Variable	Label	Type
1	R1ADLWA	r1adlwa:w1 R Some Diff-ADLs:Wallace /0-3	Cont
2	R2ADLWA	r2adlwa:w2 R Some Diff-ADLs:Wallace /0-3	Cont
3	R3ADLWA	r3adlwa:w3 R Some Diff-ADLs:Wallace /0-3	Cont
4	R4ADLWA	r4adlwa:w4 R Some Diff-ADLs:Wallace /0-3	Cont
5	R5ADLWA	r5adlwa:w5 R Some Diff-ADLs:Wallace /0-3	Cont
6	R6ADLWA	r6adlwa:w6 R Some Diff-ADLs:Wallace /0-3	Cont
7	R7ADLWA	r7adlwa:w7 R Some Diff-ADLs:Wallace /0-3	Cont
8	R8ADLWA	r8adlwa:w8 R Some Diff-ADLs:Wallace /0-3	Cont
9	R9ADLWA	r9adlwa:w9 R Some Diff-ADLs:Wallace /0-3	Cont
1	S1ADLWA	s1adlwa:w1 S Some Diff-ADLs:Wallace /0-3	Cont
2	S2ADLWA	s2adlwa:w2 S Some Diff-ADLs:Wallace /0-3	Cont
3	S3ADLWA	s3adlwa:w3 S Some Diff-ADLs:Wallace /0-3	Cont
4	S4ADLWA	s4adlwa:w4 S Some Diff-ADLs:Wallace /0-3	Cont
5	S5ADLWA	s5adlwa:w5 S Some Diff-ADLs:Wallace /0-3	Cont
6	S6ADLWA	s6adlwa:w6 S Some Diff-ADLs:Wallace /0-3	Cont
7	S7ADLWA	s7adlwa:w7 S Some Diff-ADLs:Wallace /0-3	Cont
8	S8ADLWA	s8adlwa:w8 S Some Diff-ADLs:Wallace /0-3	Cont
9	S9ADLWA	s9adlwa:w9 S Some Diff-ADLs:Wallace /0-3	Cont
1	R1ADLWAM	r1adlwam:w1 R Missings in Some Diff-ADLs:Wallace /0-3	Cont
2	R2ADLWAM	r2adlwam:w2 R Missings in Some Diff-ADLs:Wallace /0-3	Cont
3	R3ADLWAM	r3adlwam:w3 R Missings in Some Diff-ADLs:Wallace /0-3	Cont
4	R4ADLWAM	r4adlwam:w4 R Missings in Some Diff-ADLs:Wallace /0-3	Cont
5	R5ADLWAM	r5adlwam:w5 R Missings in Some Diff-ADLs:Wallace /0-3	Cont
6	R6ADLWAM	r6adlwam:w6 R Missings in Some Diff-ADLs:Wallace /0-3	Cont
7	R7ADLWAM	r7adlwam:w7 R Missings in Some Diff-ADLs:Wallace /0-3	Cont
8	R8ADLWAM	r8adlwam:w8 R Missings in Some Diff-ADLs:Wallace /0-3	Cont
9	R9ADLWAM	r9adlwam:w9 R Missings in Some Diff-ADLs:Wallace /0-3	Cont
1	S1ADLWAM	s1adlwam:w1 S Missings in Some Diff-ADLs:Wallace /0-3	Cont
2	S2ADLWAM	s2adlwam:w2 S Missings in Some Diff-ADLs:Wallace /0-3	Cont
3	S3ADLWAM	s3adlwam:w3 S Missings in Some Diff-ADLs:Wallace /0-3	Cont
4	S4ADLWAM	s4adlwam:w4 S Missings in Some Diff-ADLs:Wallace /0-3	Cont
5	S5ADLWAM	s5adlwam:w5 S Missings in Some Diff-ADLs:Wallace /0-3	Cont
6	S6ADLWAM	s6adlwam:w6 S Missings in Some Diff-ADLs:Wallace /0-3	Cont
7	S7ADLWAM	s7adlwam:w7 S Missings in Some Diff-ADLs:Wallace /0-3	Cont
8	S8ADLWAM	s8adlwam:w8 S Missings in Some Diff-ADLs:Wallace /0-3	Cont
9	S9ADLWAM	s9adlwam:w9 S Missings in Some Diff-ADLs:Wallace /0-3	Cont
1	R1ADLWAA	r1adlwaa:w1 whether R has Any Diff-ADLs:Wallace	Categ
2	R2ADLWAA	r2adlwaa:w2 whether R has Any Diff-ADLs:Wallace	Categ
3	R3ADLWAA	r3adlwaa:w3 whether R has Any Diff-ADLs:Wallace	Categ
4	R4ADLWAA	r4adlwaa:w4 whether R has Any Diff-ADLs:Wallace	Categ
5	R5ADLWAA	r5adlwaa:w5 whether R has Any Diff-ADLs:Wallace	Categ
6	R6ADLWAA	r6adlwaa:w6 whether R has Any Diff-ADLs:Wallace	Categ
7	R7ADLWAA	r7adlwaa:w7 whether R has Any Diff-ADLs:Wallace	Categ
8	R8ADLWAA	r8adlwaa:w8 whether R has Any Diff-ADLs:Wallace	Categ
9	R9ADLWAA	r9adlwaa:w9 whether R has Any Diff-ADLs:Wallace	Categ
1	S1ADLWAA	s1adlwaa:w1 whether S has Any Diff-ADLs:Wallace	Categ
2	S2ADLWAA	s2adlwaa:w2 whether S has Any Diff-ADLs:Wallace	Categ
3	S3ADLWAA	s3adlwaa:w3 whether S has Any Diff-ADLs:Wallace	Categ
4	S4ADLWAA	s4adlwaa:w4 whether S has Any Diff-ADLs:Wallace	Categ
5	S5ADLWAA	s5adlwaa:w5 whether S has Any Diff-ADLs:Wallace	Categ
6	S6ADLWAA	s6adlwaa:w6 whether S has Any Diff-ADLs:Wallace	Categ
7	S7ADLWAA	s7adlwaa:w7 whether S has Any Diff-ADLs:Wallace	Categ

8	S8ADLWAA	s8adlwaa:w8 whether S has Any Diff-ADLs:Wallace	Categ
9	S9ADLWAA	s9adlwaa:w9 whether S has Any Diff-ADLs:Wallace	Categ
1	R1ADLA	r1adla:w1 R Some Diff-ADLs:5-Item /0-5	Cont
2	R2ADLA	r2adla:w2 R Some Diff-ADLs:5-Item /0-5	Cont
3	R3ADLA	r3adla:w3 R Some Diff-ADLs:5-Item /0-5	Cont
4	R4ADLA	r4adla:w4 R Some Diff-ADLs:5-Item /0-5	Cont
5	R5ADLA	r5adla:w5 R Some Diff-ADLs:5-Item /0-5	Cont
6	R6ADLA	r6adla:w6 R Some Diff-ADLs:5-Item /0-5	Cont
7	R7ADLA	r7adla:w7 R Some Diff-ADLs:5-Item /0-5	Cont
8	R8ADLA	r8adla:w8 R Some Diff-ADLs:5-Item /0-5	Cont
9	R9ADLA	r9adla:w9 R Some Diff-ADLs:5-Item /0-5	Cont
1	S1ADLA	s1adla:w1 S Some Diff-ADLs:5-Item /0-5	Cont
2	S2ADLA	s2adla:w2 S Some Diff-ADLs:5-Item /0-5	Cont
3	S3ADLA	s3adla:w3 S Some Diff-ADLs:5-Item /0-5	Cont
4	S4ADLA	s4adla:w4 S Some Diff-ADLs:5-Item /0-5	Cont
5	S5ADLA	s5adla:w5 S Some Diff-ADLs:5-Item /0-5	Cont
6	S6ADLA	s6adla:w6 S Some Diff-ADLs:5-Item /0-5	Cont
7	S7ADLA	s7adla:w7 S Some Diff-ADLs:5-Item /0-5	Cont
8	S8ADLA	s8adla:w8 S Some Diff-ADLs:5-Item /0-5	Cont
9	S9ADLA	s9adla:w9 S Some Diff-ADLs:5-Item /0-5	Cont
1	R1ADLAM	r1adlam:w1 R Missings in Some Diff-ADLs:5-Item /0-5	Cont
2	R2ADLAM	r2adlam:w2 R Missings in Some Diff-ADLs:5-Item /0-5	Cont
3	R3ADLAM	r3adlam:w3 R Missings in Some Diff-ADLs:5-Item /0-5	Cont
4	R4ADLAM	r4adlam:w4 R Missings in Some Diff-ADLs:5-Item /0-5	Cont
5	R5ADLAM	r5adlam:w5 R Missings in Some Diff-ADLs:5-Item /0-5	Cont
6	R6ADLAM	r6adlam:w6 R Missings in Some Diff-ADLs:5-Item /0-5	Cont
7	R7ADLAM	r7adlam:w7 R Missings in Some Diff-ADLs:5-Item /0-5	Cont
8	R8ADLAM	r8adlam:w8 R Missings in Some Diff-ADLs:5-Item /0-5	Cont
9	R9ADLAM	r9adlam:w9 R Missings in Some Diff-ADLs:5-Item /0-5	Cont
1	S1ADLAM	s1adlam:w1 S Missings in Some Diff-ADLs:r-Item /0-5	Cont
2	S2ADLAM	s2adlam:w2 S Missings in Some Diff-ADLs:5-Item /0-5	Cont
3	S3ADLAM	s3adlam:w3 S Missings in Some Diff-ADLs:5-Item /0-5	Cont
4	S4ADLAM	s4adlam:w4 S Missings in Some Diff-ADLs:5-Item /0-5	Cont
5	S5ADLAM	s5adlam:w5 S Missings in Some Diff-ADLs:5-Item /0-5	Cont
6	S6ADLAM	s6adlam:w6 S Missings in Some Diff-ADLs:5-Item /0-5	Cont
7	S7ADLAM	s7adlam:w7 S Missings in Some Diff-ADLs:5-Item /0-5	Cont
8	S8ADLAM	s8adlam:w8 S Missings in Some Diff-ADLs:5-Item /0-5	Cont
9	S9ADLAM	s9adlam:w9 S Missings in Some Diff-ADLs:5-Item /0-5	Cont
1	R1ADLAA	r1adlaa:w1 whether R has Any Diff-ADLs:5-Item	Categ
2	R2ADLAA	r2adlaa:w2 whether R has Any Diff-ADLs:5-Item	Categ
3	R3ADLAA	r3adlaa:w3 whether R has Any Diff-ADLs:5-Item	Categ
4	R4ADLAA	r4adlaa:w4 whether R has Any Diff-ADLs:5-Item	Categ
5	R5ADLAA	r5adlaa:w5 whether R has Any Diff-ADLs:5-Item	Categ
6	R6ADLAA	r6adlaa:w6 whether R has Any Diff-ADLs:5-Item	Categ
7	R7ADLAA	r7adlaa:w7 whether R has Any Diff-ADLs:5-Item	Categ
8	R8ADLAA	r8adlaa:w8 whether R has Any Diff-ADLs:5-Item	Categ
9	R9ADLAA	r9adlaa:w9 whether R has Any Diff-ADLs:5-Item	Categ
1	S1ADLAA	s1adlaa:w1 whether S has Any Diff-ADLs:5-Item	Categ
2	S2ADLAA	s2adlaa:w2 whether S has Any Diff-ADLs:5-Item	Categ
3	S3ADLAA	s3adlaa:w3 whether S has Any Diff-ADLs:5-Item	Categ
4	S4ADLAA	s4adlaa:w4 whether S has Any Diff-ADLs:5-Item	Categ
5	S5ADLAA	s5adlaa:w5 whether S has Any Diff-ADLs:5-Item	Categ
6	S6ADLAA	s6adlaa:w6 whether S has Any Diff-ADLs:5-Item	Categ
7	S7ADLAA	s7adlaa:w7 whether S has Any Diff-ADLs:5-Item	Categ
8	S8ADLAA	s8adlaa:w8 whether S has Any Diff-ADLs:5-Item	Categ
9	S9ADLAA	s9adlaa:w9 whether S has Any Diff-ADLs:5-Item	Categ

1	R1ADLFIVE	r1adlfive:w1	R	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
2	R2ADLFIVE	r2adlfive:w2	R	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
3	R3ADLFIVE	r3adlfive:w3	R	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
4	R4ADLFIVE	r4adlfive:w4	R	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
5	R5ADLFIVE	r5adlfive:w5	R	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
6	R6ADLFIVE	r6adlfive:w6	R	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
7	R7ADLFIVE	r7adlfive:w7	R	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
8	R8ADLFIVE	r8adlfive:w8	R	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
9	R9ADLFIVE	r9adlfive:w9	R	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
1	S1ADLFIVE	s1adlfive:w1	S	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
2	S2ADLFIVE	s2adlfive:w2	S	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
3	S3ADLFIVE	s3adlfive:w3	S	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
4	S4ADLFIVE	s4adlfive:w4	S	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
5	S5ADLFIVE	s5adlfive:w5	S	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
6	S6ADLFIVE	s6adlfive:w6	S	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
7	S7ADLFIVE	s7adlfive:w7	S	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
8	S8ADLFIVE	s8adlfive:w8	S	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
9	S9ADLFIVE	s9adlfive:w9	S	Some	Diff-ADLS:5-Item	alt	/0-5	Cont	
1	R1ADLFIVEM	r1adlfivem:w1	R	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
2	R2ADLFIVEM	r2adlfivem:w2	R	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
3	R3ADLFIVEM	r3adlfivem:w3	R	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
4	R4ADLFIVEM	r4adlfivem:w4	R	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
5	R5ADLFIVEM	r5adlfivem:w5	R	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
6	R6ADLFIVEM	r6adlfivem:w6	R	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
7	R7ADLFIVEM	r7adlfivem:w7	R	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
8	R8ADLFIVEM	r8adlfivem:w8	R	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
9	R9ADLFIVEM	r9adlfivem:w9	R	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
1	S1ADLFIVEM	s1adlfivem:w1	S	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
2	S2ADLFIVEM	s2adlfivem:w2	S	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
3	S3ADLFIVEM	s3adlfivem:w3	S	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
4	S4ADLFIVEM	s4adlfivem:w4	S	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
5	S5ADLFIVEM	s5adlfivem:w5	S	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
6	S6ADLFIVEM	s6adlfivem:w6	S	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
7	S7ADLFIVEM	s7adlfivem:w7	S	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
8	S8ADLFIVEM	s8adlfivem:w8	S	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
9	S9ADLFIVEM	s9adlfivem:w9	S	Missings	in Some	Diff-ADLS:5-Item	alt	/0-5	Cont
1	R1ADLFIVEA	r1adlfivea:w1	whether	R	has Any	Diff-ADLS:5-Item	alt	Categ	
2	R2ADLFIVEA	r2adlfivea:w2	whether	R	has Any	Diff-ADLS:5-Item	alt	Categ	
3	R3ADLFIVEA	r3adlfivea:w3	whether	R	has Any	Diff-ADLS:5-Item	alt	Categ	
4	R4ADLFIVEA	r4adlfivea:w4	whether	R	has Any	Diff-ADLS:5-Item	alt	Categ	
5	R5ADLFIVEA	r5adlfivea:w5	whether	R	has Any	Diff-ADLS:5-Item	alt	Categ	
6	R6ADLFIVEA	r6adlfivea:w6	whether	R	has Any	Diff-ADLS:5-Item	alt	Categ	
7	R7ADLFIVEA	r7adlfivea:w7	whether	R	has Any	Diff-ADLS:5-Item	alt	Categ	
8	R8ADLFIVEA	r8adlfivea:w8	whether	R	has Any	Diff-ADLS:5-Item	alt	Categ	
9	R9ADLFIVEA	r9adlfivea:w9	whether	R	has Any	Diff-ADLS:5-Item	alt	Categ	
1	S1ADLFIVEA	s1adlfivea:w1	whether	S	has Any	Diff-ADLS:5-Item	alt	Categ	
2	S2ADLFIVEA	s2adlfivea:w2	whether	S	has Any	Diff-ADLS:5-Item	alt	Categ	
3	S3ADLFIVEA	s3adlfivea:w3	whether	S	has Any	Diff-ADLS:5-Item	alt	Categ	
4	S4ADLFIVEA	s4adlfivea:w4	whether	S	has Any	Diff-ADLS:5-Item	alt	Categ	
5	S5ADLFIVEA	s5adlfivea:w5	whether	S	has Any	Diff-ADLS:5-Item	alt	Categ	
6	S6ADLFIVEA	s6adlfivea:w6	whether	S	has Any	Diff-ADLS:5-Item	alt	Categ	
7	S7ADLFIVEA	s7adlfivea:w7	whether	S	has Any	Diff-ADLS:5-Item	alt	Categ	
8	S8ADLFIVEA	s8adlfivea:w8	whether	S	has Any	Diff-ADLS:5-Item	alt	Categ	
9	S9ADLFIVEA	s9adlfivea:w9	whether	S	has Any	Diff-ADLS:5-Item	alt	Categ	
1	R1ADLTOT_E	r1adltot_e:w1	R	Some	Diff-ADLS:6-Item		/0-6	Cont	
2	R2ADLTOT_E	r2adltot_e:w2	R	Some	Diff-ADLS:6-Item		/0-6	Cont	
3	R3ADLTOT_E	r3adltot_e:w3	R	Some	Diff-ADLS:6-Item		/0-6	Cont	



4	R4ADLTOT_E	r4adltot_e:w4	R	Some	Diff-ADLS:6-Item	/0-6	Cont	
5	R5ADLTOT_E	r5adltot_e:w5	R	Some	Diff-ADLS:6-Item	/0-6	Cont	
6	R6ADLTOT_E	r6adltot_e:w6	R	Some	Diff-ADLS:6-Item	/0-6	Cont	
7	R7ADLTOT_E	r7adltot_e:w7	R	Some	Diff-ADLS:6-Item	/0-6	Cont	
8	R8ADLTOT_E	r8adltot_e:w8	R	Some	Diff-ADLS:6-Item	/0-6	Cont	
9	R9ADLTOT_E	r9adltot_e:w9	R	Some	Diff-ADLS:6-Item	/0-6	Cont	
1	S1ADLTOT_E	s1adltot_e:w1	S	Some	Diff-ADLS:6-Item	/0-6	Cont	
2	S2ADLTOT_E	s2adltot_e:w2	S	Some	Diff-ADLS:6-Item	/0-6	Cont	
3	S3ADLTOT_E	s3adltot_e:w3	S	Some	Diff-ADLS:6-Item	/0-6	Cont	
4	S4ADLTOT_E	s4adltot_e:w4	S	Some	Diff-ADLS:6-Item	/0-6	Cont	
5	S5ADLTOT_E	s5adltot_e:w5	S	Some	Diff-ADLS:6-Item	/0-6	Cont	
6	S6ADLTOT_E	s6adltot_e:w6	S	Some	Diff-ADLS:6-Item	/0-6	Cont	
7	S7ADLTOT_E	s7adltot_e:w7	S	Some	Diff-ADLS:6-Item	/0-6	Cont	
8	S8ADLTOT_E	s8adltot_e:w8	S	Some	Diff-ADLS:6-Item	/0-6	Cont	
9	S9ADLTOT_E	s9adltot_e:w9	S	Some	Diff-ADLS:6-Item	/0-6	Cont	
1	R1ADLTOTM_E	r1adltotm_e:w1	R	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
2	R2ADLTOTM_E	r2adltotm_e:w2	R	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
3	R3ADLTOTM_E	r3adltotm_e:w3	R	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
4	R4ADLTOTM_E	r4adltotm_e:w4	R	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
5	R5ADLTOTM_E	r5adltotm_e:w5	R	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
6	R6ADLTOTM_E	r6adltotm_e:w6	R	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
7	R7ADLTOTM_E	r7adltotm_e:w7	R	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
8	R8ADLTOTM_E	r8adltotm_e:w8	R	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
9	R9ADLTOTM_E	r9adltotm_e:w9	R	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
1	S1ADLTOTM_E	s1adltotm_e:w1	S	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
2	S2ADLTOTM_E	s2adltotm_e:w2	S	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
3	S3ADLTOTM_E	s3adltotm_e:w3	S	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
4	S4ADLTOTM_E	s4adltotm_e:w4	S	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
5	S5ADLTOTM_E	s5adltotm_e:w5	S	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
6	S6ADLTOTM_E	s6adltotm_e:w6	S	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
7	S7ADLTOTM_E	s7adltotm_e:w7	S	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
8	S8ADLTOTM_E	s8adltotm_e:w8	S	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
9	S9ADLTOTM_E	s9adltotm_e:w9	S	Missings	in	Some Diff-ADLS:6-Item	/0-6	Cont
1	R1ADLTOTA_E	r1adltota_e:w1	whether	R	has	Any Diff-ADLS:6-Item	Categ	
2	R2ADLTOTA_E	r2adltota_e:w2	whether	R	has	Any Diff-ADLS:6-Item	Categ	
3	R3ADLTOTA_E	r3adltota_e:w3	whether	R	has	Any Diff-ADLS:6-Item	Categ	
4	R4ADLTOTA_E	r4adltota_e:w4	whether	R	has	Any Diff-ADLS:6-Item	Categ	
5	R5ADLTOTA_E	r5adltota_e:w5	whether	R	has	Any Diff-ADLS:6-Item	Categ	
6	R6ADLTOTA_E	r6adltota_e:w6	whether	R	has	Any Diff-ADLS:6-Item	Categ	
7	R7ADLTOTA_E	r7adltota_e:w7	whether	R	has	Any Diff-ADLS:6-Item	Categ	
8	R8ADLTOTA_E	r8adltota_e:w8	whether	R	has	Any Diff-ADLS:6-Item	Categ	
9	R9ADLTOTA_E	r9adltota_e:w9	whether	R	has	Any Diff-ADLS:6-Item	Categ	
1	S1ADLTOTA_E	s1adltota_e:w1	whether	S	has	Any Diff-ADLS:6-Item	Categ	
2	S2ADLTOTA_E	s2adltota_e:w2	whether	S	has	Any Diff-ADLS:6-Item	Categ	
3	S3ADLTOTA_E	s3adltota_e:w3	whether	S	has	Any Diff-ADLS:6-Item	Categ	
4	S4ADLTOTA_E	s4adltota_e:w4	whether	S	has	Any Diff-ADLS:6-Item	Categ	
5	S5ADLTOTA_E	s5adltota_e:w5	whether	S	has	Any Diff-ADLS:6-Item	Categ	
6	S6ADLTOTA_E	s6adltota_e:w6	whether	S	has	Any Diff-ADLS:6-Item	Categ	
7	S7ADLTOTA_E	s7adltota_e:w7	whether	S	has	Any Diff-ADLS:6-Item	Categ	
8	S8ADLTOTA_E	s8adltota_e:w8	whether	S	has	Any Diff-ADLS:6-Item	Categ	
9	S9ADLTOTA_E	s9adltota_e:w9	whether	S	has	Any Diff-ADLS:6-Item	Categ	

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ADLWA	11908	0.27	0.62	0.00	3.00
R2ADLWA	9429	0.28	0.64	0.00	3.00

R3ADLWA	9762	0.26	0.63	0.00	3.00
R4ADLWA	11041	0.26	0.62	0.00	3.00
R5ADLWA	10266	0.25	0.63	0.00	3.00
R6ADLWA	10596	0.25	0.63	0.00	3.00
R7ADLWA	9664	0.24	0.61	0.00	3.00
R8ADLWA	8443	0.25	0.63	0.00	3.00
R9ADLWA	8731	0.24	0.63	0.00	3.00
S1ADLWA	7936	0.22	0.58	0.00	3.00
S2ADLWA	6175	0.23	0.60	0.00	3.00
S3ADLWA	6380	0.20	0.56	0.00	3.00
S4ADLWA	7394	0.20	0.55	0.00	3.00
S5ADLWA	6957	0.19	0.54	0.00	3.00
S6ADLWA	7239	0.19	0.54	0.00	3.00
S7ADLWA	6558	0.18	0.53	0.00	3.00
S8ADLWA	5686	0.20	0.56	0.00	3.00
S9ADLWA	5817	0.19	0.55	0.00	3.00
R1ADLWAM	12099	0.05	0.37	0.00	3.00
R2ADLWAM	9432	0.00	0.05	0.00	3.00
R3ADLWAM	9766	0.00	0.06	0.00	3.00
R4ADLWAM	11050	0.00	0.09	0.00	3.00
R5ADLWAM	10274	0.00	0.08	0.00	3.00
R6ADLWAM	10601	0.00	0.07	0.00	3.00
R7ADLWAM	9666	0.00	0.04	0.00	3.00
R8ADLWAM	8445	0.00	0.05	0.00	3.00
R9ADLWAM	8736	0.00	0.07	0.00	3.00
S1ADLWAM	8070	0.05	0.38	0.00	3.00
S2ADLWAM	6178	0.00	0.07	0.00	3.00
S3ADLWAM	6382	0.00	0.05	0.00	3.00
S4ADLWAM	7402	0.00	0.10	0.00	3.00
S5ADLWAM	6964	0.00	0.10	0.00	3.00
S6ADLWAM	7242	0.00	0.06	0.00	3.00
S7ADLWAM	6560	0.00	0.05	0.00	3.00
S8ADLWAM	5688	0.00	0.06	0.00	3.00
S9ADLWAM	5820	0.00	0.07	0.00	3.00
R1ADLWAA	11908	0.18	0.39	0.00	1.00
R2ADLWAA	9429	0.19	0.39	0.00	1.00
R3ADLWAA	9762	0.17	0.38	0.00	1.00
R4ADLWAA	11041	0.17	0.38	0.00	1.00
R5ADLWAA	10266	0.17	0.37	0.00	1.00
R6ADLWAA	10596	0.16	0.37	0.00	1.00
R7ADLWAA	9664	0.16	0.36	0.00	1.00
R8ADLWAA	8443	0.16	0.37	0.00	1.00
R9ADLWAA	8731	0.16	0.36	0.00	1.00
S1ADLWAA	7936	0.15	0.36	0.00	1.00
S2ADLWAA	6175	0.16	0.36	0.00	1.00
S3ADLWAA	6380	0.14	0.34	0.00	1.00
S4ADLWAA	7394	0.14	0.34	0.00	1.00
S5ADLWAA	6957	0.13	0.34	0.00	1.00
S6ADLWAA	7239	0.13	0.34	0.00	1.00
S7ADLWAA	6558	0.13	0.33	0.00	1.00
S8ADLWAA	5686	0.13	0.34	0.00	1.00
S9ADLWAA	5817	0.13	0.33	0.00	1.00
R1ADLA	11908	0.37	0.88	0.00	5.00
R2ADLA	9429	0.38	0.91	0.00	5.00
R3ADLA	9762	0.36	0.90	0.00	5.00
R4ADLA	11041	0.34	0.88	0.00	5.00
R5ADLA	10266	0.35	0.90	0.00	5.00

R6ADLA	10596	0.35	0.91	0.00	5.00
R7ADLA	9664	0.34	0.90	0.00	5.00
R8ADLA	8443	0.35	0.92	0.00	5.00
R9ADLA	8731	0.34	0.92	0.00	5.00
S1ADLA	7936	0.31	0.83	0.00	5.00
S2ADLA	6175	0.32	0.86	0.00	5.00
S3ADLA	6380	0.28	0.80	0.00	5.00
S4ADLA	7394	0.27	0.77	0.00	5.00
S5ADLA	6957	0.26	0.77	0.00	5.00
S6ADLA	7239	0.26	0.77	0.00	5.00
S7ADLA	6558	0.26	0.78	0.00	5.00
S8ADLA	5686	0.27	0.80	0.00	5.00
S9ADLA	5817	0.27	0.80	0.00	5.00
R1ADLAM	12099	0.08	0.62	0.00	5.00
R2ADLAM	9432	0.00	0.09	0.00	5.00
R3ADLAM	9766	0.00	0.10	0.00	5.00
R4ADLAM	11050	0.00	0.14	0.00	5.00
R5ADLAM	10274	0.00	0.14	0.00	5.00
R6ADLAM	10601	0.00	0.11	0.00	5.00
R7ADLAM	9666	0.00	0.07	0.00	5.00
R8ADLAM	8445	0.00	0.08	0.00	5.00
R9ADLAM	8736	0.00	0.12	0.00	5.00
S1ADLAM	8070	0.08	0.64	0.00	5.00
S2ADLAM	6178	0.00	0.11	0.00	5.00
S3ADLAM	6382	0.00	0.09	0.00	5.00
S4ADLAM	7402	0.01	0.16	0.00	5.00
S5ADLAM	6964	0.01	0.16	0.00	5.00
S6ADLAM	7242	0.00	0.10	0.00	5.00
S7ADLAM	6560	0.00	0.09	0.00	5.00
S8ADLAM	5688	0.00	0.09	0.00	5.00
S9ADLAM	5820	0.00	0.11	0.00	5.00
R1ADLAA	11908	0.20	0.40	0.00	1.00
R2ADLAA	9429	0.20	0.40	0.00	1.00
R3ADLAA	9762	0.19	0.39	0.00	1.00
R4ADLAA	11041	0.18	0.39	0.00	1.00
R5ADLAA	10266	0.18	0.39	0.00	1.00
R6ADLAA	10596	0.18	0.38	0.00	1.00
R7ADLAA	9664	0.17	0.37	0.00	1.00
R8ADLAA	8443	0.17	0.38	0.00	1.00
R9ADLAA	8731	0.17	0.37	0.00	1.00
S1ADLAA	7936	0.17	0.37	0.00	1.00
S2ADLAA	6175	0.17	0.37	0.00	1.00
S3ADLAA	6380	0.15	0.35	0.00	1.00
S4ADLAA	7394	0.15	0.35	0.00	1.00
S5ADLAA	6957	0.14	0.35	0.00	1.00
S6ADLAA	7239	0.14	0.35	0.00	1.00
S7ADLAA	6558	0.14	0.34	0.00	1.00
S8ADLAA	5686	0.14	0.35	0.00	1.00
S9ADLAA	5817	0.14	0.34	0.00	1.00
R1ADLFIVE	11908	0.37	0.89	0.00	5.00
R2ADLFIVE	9429	0.38	0.90	0.00	5.00
R3ADLFIVE	9762	0.36	0.91	0.00	5.00
R4ADLFIVE	11041	0.35	0.88	0.00	5.00
R5ADLFIVE	10266	0.35	0.91	0.00	5.00
R6ADLFIVE	10596	0.35	0.91	0.00	5.00
R7ADLFIVE	9664	0.34	0.90	0.00	5.00
R8ADLFIVE	8443	0.35	0.92	0.00	5.00

R9ADLFIVE	8731	0.35	0.93	0.00	5.00
S1ADLFIVE	7936	0.31	0.83	0.00	5.00
S2ADLFIVE	6175	0.32	0.85	0.00	5.00
S3ADLFIVE	6380	0.28	0.80	0.00	5.00
S4ADLFIVE	7394	0.27	0.78	0.00	5.00
S5ADLFIVE	6957	0.26	0.78	0.00	5.00
S6ADLFIVE	7239	0.26	0.77	0.00	5.00
S7ADLFIVE	6558	0.26	0.78	0.00	5.00
S8ADLFIVE	5686	0.27	0.81	0.00	5.00
S9ADLFIVE	5817	0.27	0.82	0.00	5.00
R1ADLFIVEM	12099	0.08	0.62	0.00	5.00
R2ADLFIVEM	9432	0.00	0.09	0.00	5.00
R3ADLFIVEM	9766	0.00	0.10	0.00	5.00
R4ADLFIVEM	11050	0.00	0.14	0.00	5.00
R5ADLFIVEM	10274	0.00	0.14	0.00	5.00
R6ADLFIVEM	10601	0.00	0.11	0.00	5.00
R7ADLFIVEM	9666	0.00	0.07	0.00	5.00
R8ADLFIVEM	8445	0.00	0.08	0.00	5.00
R9ADLFIVEM	8736	0.00	0.12	0.00	5.00
S1ADLFIVEM	8070	0.08	0.64	0.00	5.00
S2ADLFIVEM	6178	0.00	0.11	0.00	5.00
S3ADLFIVEM	6382	0.00	0.09	0.00	5.00
S4ADLFIVEM	7402	0.01	0.16	0.00	5.00
S5ADLFIVEM	6964	0.01	0.16	0.00	5.00
S6ADLFIVEM	7242	0.00	0.10	0.00	5.00
S7ADLFIVEM	6560	0.00	0.09	0.00	5.00
S8ADLFIVEM	5688	0.00	0.09	0.00	5.00
S9ADLFIVEM	5820	0.00	0.11	0.00	5.00
R1ADLFIVEA	11908	0.20	0.40	0.00	1.00
R2ADLFIVEA	9429	0.20	0.40	0.00	1.00
R3ADLFIVEA	9762	0.19	0.39	0.00	1.00
R4ADLFIVEA	11041	0.18	0.39	0.00	1.00
R5ADLFIVEA	10266	0.18	0.39	0.00	1.00
R6ADLFIVEA	10596	0.18	0.38	0.00	1.00
R7ADLFIVEA	9664	0.17	0.38	0.00	1.00
R8ADLFIVEA	8443	0.17	0.38	0.00	1.00
R9ADLFIVEA	8731	0.17	0.37	0.00	1.00
S1ADLFIVEA	7936	0.17	0.37	0.00	1.00
S2ADLFIVEA	6175	0.17	0.38	0.00	1.00
S3ADLFIVEA	6380	0.15	0.35	0.00	1.00
S4ADLFIVEA	7394	0.15	0.35	0.00	1.00
S5ADLFIVEA	6957	0.14	0.35	0.00	1.00
S6ADLFIVEA	7239	0.14	0.35	0.00	1.00
S7ADLFIVEA	6558	0.14	0.35	0.00	1.00
S8ADLFIVEA	5686	0.14	0.35	0.00	1.00
S9ADLFIVEA	5817	0.14	0.34	0.00	1.00
R1ADLTOT_E	11908	0.40	0.99	0.00	6.00
R2ADLTOT_E	9429	0.41	1.02	0.00	6.00
R3ADLTOT_E	9762	0.40	1.02	0.00	6.00
R4ADLTOT_E	11041	0.38	0.99	0.00	6.00
R5ADLTOT_E	10266	0.39	1.02	0.00	6.00
R6ADLTOT_E	10596	0.38	1.03	0.00	6.00
R7ADLTOT_E	9664	0.38	1.03	0.00	6.00
R8ADLTOT_E	8443	0.39	1.05	0.00	6.00
R9ADLTOT_E	8731	0.39	1.06	0.00	6.00
S1ADLTOT_E	7936	0.34	0.93	0.00	6.00

S2ADLTOT_E	6175	0.35	0.96	0.00	6.00
S3ADLTOT_E	6380	0.30	0.90	0.00	6.00
S4ADLTOT_E	7394	0.29	0.86	0.00	6.00
S5ADLTOT_E	6957	0.28	0.86	0.00	6.00
S6ADLTOT_E	7239	0.29	0.87	0.00	6.00
S7ADLTOT_E	6558	0.29	0.89	0.00	6.00
S8ADLTOT_E	5686	0.30	0.91	0.00	6.00
S9ADLTOT_E	5817	0.30	0.91	0.00	6.00
R1ADLTOTM_E	12099	0.09	0.75	0.00	6.00
R2ADLTOTM_E	9432	0.00	0.11	0.00	6.00
R3ADLTOTM_E	9766	0.00	0.12	0.00	6.00
R4ADLTOTM_E	11050	0.00	0.17	0.00	6.00
R5ADLTOTM_E	10274	0.00	0.17	0.00	6.00
R6ADLTOTM_E	10601	0.00	0.13	0.00	6.00
R7ADLTOTM_E	9666	0.00	0.09	0.00	6.00
R8ADLTOTM_E	8445	0.00	0.09	0.00	6.00
R9ADLTOTM_E	8736	0.00	0.14	0.00	6.00
S1ADLTOTM_E	8070	0.10	0.77	0.00	6.00
S2ADLTOTM_E	6178	0.00	0.13	0.00	6.00
S3ADLTOTM_E	6382	0.00	0.11	0.00	6.00
S4ADLTOTM_E	7402	0.01	0.20	0.00	6.00
S5ADLTOTM_E	6964	0.01	0.19	0.00	6.00
S6ADLTOTM_E	7242	0.00	0.12	0.00	6.00
S7ADLTOTM_E	6560	0.00	0.10	0.00	6.00
S8ADLTOTM_E	5688	0.00	0.11	0.00	6.00
S9ADLTOTM_E	5820	0.00	0.14	0.00	6.00
R1ADLTOTA_E	11908	0.20	0.40	0.00	1.00
R2ADLTOTA_E	9429	0.20	0.40	0.00	1.00
R3ADLTOTA_E	9762	0.19	0.39	0.00	1.00
R4ADLTOTA_E	11041	0.19	0.39	0.00	1.00
R5ADLTOTA_E	10266	0.19	0.39	0.00	1.00
R6ADLTOTA_E	10596	0.18	0.38	0.00	1.00
R7ADLTOTA_E	9664	0.17	0.38	0.00	1.00
R8ADLTOTA_E	8443	0.18	0.38	0.00	1.00
R9ADLTOTA_E	8731	0.17	0.38	0.00	1.00
S1ADLTOTA_E	7936	0.17	0.37	0.00	1.00
S2ADLTOTA_E	6175	0.17	0.38	0.00	1.00
S3ADLTOTA_E	6380	0.15	0.36	0.00	1.00
S4ADLTOTA_E	7394	0.15	0.36	0.00	1.00
S5ADLTOTA_E	6957	0.14	0.35	0.00	1.00
S6ADLTOTA_E	7239	0.15	0.35	0.00	1.00
S7ADLTOTA_E	6558	0.14	0.35	0.00	1.00
S8ADLTOTA_E	5686	0.15	0.35	0.00	1.00
S9ADLTOTA_E	5817	0.14	0.35	0.00	1.00

### Categorical Variable Codes

Value-----	R1ADLWAA	R2ADLWAA	R3ADLWAA	R4ADLWAA	R5ADLWAA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	9724	7658	8068	9149	8540
1.Yes	2184	1771	1694	1892	1726
Value-----	R6ADLWAA	R7ADLWAA	R8ADLWAA	R9ADLWAA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	8876	8165	7090	7367	

1.Yes	1720	1499	1353	1364	
Value-----	S1ADLWAA	S2ADLWAA	S3ADLWAA	S4ADLWAA	S5ADLWAA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	6729	5211	5512	6391	6054
1.Yes	1207	964	868	1003	903
Value-----	S6ADLWAA	S7ADLWAA	S8ADLWAA	S9ADLWAA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6301	5737	4947	5079	
1.Yes	938	821	739	738	
Value-----	R1ADLAA	R2ADLAA	R3ADLAA	R4ADLAA	R5ADLAA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	9554	7529	7941	9022	8392
1.Yes	2354	1900	1821	2019	1874
Value-----	R6ADLAA	R7ADLAA	R8ADLAA	R9ADLAA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	8724	8033	6975	7255	
1.Yes	1872	1631	1468	1476	
Value-----	S1ADLAA	S2ADLAA	S3ADLAA	S4ADLAA	S5ADLAA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	6626	5136	5438	6317	5973
1.Yes	1310	1039	942	1077	984
Value-----	S6ADLAA	S7ADLAA	S8ADLAA	S9ADLAA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6203	5653	4883	5014	
1.Yes	1036	905	803	803	
Value-----	R1ADLFIVEA	R2ADLFIVEA	R3ADLFIVEA	R4ADLFIVEA	R5ADLFIVEA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	9543	7524	7943	9011	8394
1.Yes	2365	1905	1819	2030	1872
Value-----	R6ADLFIVEA	R7ADLFIVEA	R8ADLFIVEA	R9ADLFIVEA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	8722	8027	6971	7254	
1.Yes	1874	1637	1472	1477	
Value-----	S1ADLFIVEA	S2ADLFIVEA	S3ADLFIVEA	S4ADLFIVEA	S5ADLFIVEA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4

.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	6613	5126	5439	6307	5974
1.Yes	1323	1049	941	1087	983
Value-----	S6ADLFIVEA	S7ADLFIVEA	S8ADLFIVEA	S9ADLFIVEA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6199	5651	4873	5015	
1.Yes	1040	907	813	802	
Value-----	R1ADLTOTA_E	R2ADLTOTA_E	R3ADLTOTA_E	R4ADLTOTA_E	R5ADLTOTA_E
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	9518	7502	7916	8986	8363
1.Yes	2390	1927	1846	2055	1903
Value-----	R6ADLTOTA_E	R7ADLTOTA_E	R8ADLTOTA_E	R9ADLTOTA_E	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	8692	7994	6942	7225	
1.Yes	1904	1670	1501	1506	
Value-----	S1ADLTOTA_E	S2ADLTOTA_E	S3ADLTOTA_E	S4ADLTOTA_E	S5ADLTOTA_E
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	6600	5120	5426	6296	5961
1.Yes	1336	1055	954	1098	996
Value-----	S6ADLTOTA_E	S7ADLTOTA_E	S8ADLTOTA_E	S9ADLTOTA_E	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6187	5634	4861	4999	
1.Yes	1052	924	825	818	

## How Constructed

Four Activities of Daily Living (ADL) summaries are derived. One uses the ADLs proposed by Wallace and Herzog in the paper Wallace and Herzog, 1995 to define an ADL summary, RwADLWA: bathe, dress, and eat. The second includes these ADLs and adds getting in/out of bed and walking across a room: RwADLA. The third includes the three ADLs from the three item summary and adds getting in/out of bed and using the toilet: RwADLFIVE. The fourth includes all six ADLs asked in the ELSA: bathe, dress, eat, getting in/out of bed, walking across a room, and using the toilet. In all waves, the "some difficulty" versions of the individual measures are used to construct these measures, i.e., RwWALKRA, RwbEDA, RwbATHA, RwdRESSA, RweATA, and RwtOILTA variables are used. Each limitation adds one to the summary measure, that is:

RwADLWA = sum (RwbATHA, RwdRESSA, RweATA)

RwADLA = sum (RwbATHA, RwdRESSA, RweATA, RwbEDA, RwWALKRA)

RwADLFIVE = sum (RwbATHA, RwdRESSA, RweATA, RwbEDA, RwtOILTA)

RwADLTOT\_E = sum (RwbATHA, RwdRESSA, RweATA, RwbEDA, RwWALKRA, RwtOILTA)

RwADLWA, RwADLA, RwADLFIVE, and RwADLTOT\_E are calculated as long as at least one of the comprising measures is not missing. Don't know, refused, or other missing responses to the components of RwADLWA, RwADLA, RwADLFIVE, and RwADLTOT\_E are assigned special missing .d, .r, .m, respectively. A special missing value of .p is used when at least one of the component measures was skipped because the interview

was by proxy in Wave 1. RwADLWA, RwADLA, RwADLFIVE, and RwADLTOT\_E are assigned plain missing (.) if the respondent did not participate in the current wave.

SwADLWA, SwADLA, SwADLFIVE, and SwADLTOT\_E are taken directly from the spouse's derived summaries for RwADLWA, RwADLA, RwADLFIVE, and RwADLTOT\_E respectively. In addition to the special missing codes employed by RwADLA, RwADLWA, RwADLFIVE, and RwADLTOT\_E, SwADLA, SwADLWA, SwADLFIVE, and SwADLTOT\_E employ two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwADLWAM indicates how many individual measures used to derive RwADLWA are missing. RwADLAM indicates how many individual measures used to derive SwADLA are missing. RwADLFIVEM indicates how many individual measures used to derive SwADLFIVE are missing. RwADLTOTM\_E indicates how many individual measures used to derive SwADLTOT\_E are missing. RwADLWAM, RwADLAM, RwADLFIVEM, and RwADLTOTM\_E are assigned plain missing (.) if the respondent did not participate in the current wave.

SwADLWAM indicates how many individual measures used to derive SwADLWA are missing. SwADLAM indicates how many individual measures used to derive SwADLA are missing. SwADLFIVEM indicates how many individual measures used to derive SwADLFIVE are missing. SwADLTOTM\_E indicates how many individual measures used to derive SwADLTOT\_E are missing. SwADLWAM, SwADLAM, SwADLFIVEM, and SwADLTOTM\_E are taken directly from the spouse's values of RwADLWAM, RwADLAM, RwADLFIVEM, and RwADLTOTM\_E. In addition to the special missing codes employed by RwADLWAM, RwADLAM, RwADLFIVEM, and SwADLTOTM\_E, SwADLWAM, SwADLAM, SwADLFIVEM, and SwADLTOTM\_E employ two additional missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwADLWAA indicates whether the respondent experiences difficulties with any of the three ADL activities that comprise RwADLWA. RwADLAA indicates whether the respondent experiences difficulties with any of the five ADL activities that comprise RwADLA. RwADLFIVE indicates whether the respondent experiences difficulties with any of the five ADL activities that comprise RwADLFIVE. RwADLTOTA\_E indicates whether the respondent experiences difficulties with any of the six ADL activities that comprise RwADLTOT\_E. These variables are assigned a value of 0 if the respondent has no difficulty with the activities, and are assigned a value of 1 if the respondent has difficulty with at least one of the activities. Don't know, refused, or other missing responses to the components of RwADLWAA, RwADLAA, RwADLFIVEA, and RwADLTOTA\_E are assigned special missing .d, .r, .m, respectively. A special missing value of .p is used when at least one of the component measures was skipped because the interview was by proxy in Wave 1. RwADLWAA, RwADLAA, RwADLFIVEA, and RwADLTOTA\_E are assigned plain missing (.) if the respondent did not participate in the current wave.

SwADLWAA, SwADLAA, SwADLFIVEA, and SwADLTOTA\_E indicate whether the respondent's spouse experiences any difficulty with the respective ADLs and are taken directly from RwADLWAA, RwADLAA, RwADLFIVEA, and RwADLTOTA\_E respectively. In addition to the special missing codes employed by RwADLWAA, RwADLAA, RwADLFIVEA, and SwADLTOTA\_E, SwADLWAA, SwADLAA, SwADLFIVEA, and SwADLTOTA\_E employ two additional missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please see "Activities of Daily Living (ADLs): Some difficulty" for a description of how the individual dummy variables (RwBATHA, RwdRESSA, RweEATA, RwbEDA, RwwALKRA, and RwtOILTA) are constructed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

Wave 1 Core:

HEADB01 because of a health or memory problem, do you have any



HEADB02 because of a health or memory problem, do you have any  
 HEADB03 because of a health or memory problem, do you have any  
 HEADB04 because of a health or memory problem, do you have any  
 HEADB05 because of a health or memory problem, do you have any  
 HEADB06 because of a health or memory problem, do you have any  
 HEADB10 because of a health or memory problem, do you have any  
 HEADB11 because of a health or memory problem, do you have any  
 HEADB12 because of a health or memory problem, do you have any  
 HEADB13 because of a health or memory problem, do you have any  
 HEADB14 because of a health or memory problem, do you have any  
 Wave 2 Core:  
 HEADB01 IADL: activity has problem with due to health/physical p  
 HEADB02 IADL: activity has problem with due to health/physical p  
 HEADB03 IADL: activity has problem with due to health/physical p  
 HEADB04 IADL: activity has problem with due to health/physical p  
 HEADB05 IADL: activity has problem with due to health/physical p  
 HEADB06 IADL: activity has problem with due to health/physical p  
 HEADB07 IADL: activity has problem with due to health/physical p  
 HEADB08 IADL: activity has problem with due to health/physical p  
 HEADB09 IADL: activity has problem with due to health/physical p  
 HEADB10 IADL: activity has problem with due to health/physical p  
 HEADB11 IADL: activity has problem with due to health/physical p  
 HEADB12 IADL: activity has problem with due to health/physical p  
 HEADB13 IADL: activity has problem with due to health/physical p  
 Wave 3 Core:  
 HEADLBA adl: difficulty bathing or showering  
 HEADLBE adl: difficulty getting in and out of bed  
 HEADLDR adl: difficulty dressing, including putting on shoes and  
 HEADLEA adl: difficulty eating, such as cutting up food  
 HEADLWA adl: difficulty walking across a room  
 Wave 4 Core:  
 HEADLBA adl: difficulty bathing or showering  
 HEADLBE adl: difficulty getting in and out of bed  
 HEADLDR adl: difficulty dressing, including putting on shoes and  
 HEADLEA adl: difficulty eating, such as cutting up food  
 HEADLWA adl: difficulty walking across a room  
 Wave 5 Core:  
 HEADLBA ADL: difficulty bathing or showering  
 HEADLBE ADL: difficulty getting in and out of bed  
 HEADLDR ADL: difficulty dressing, including putting on shoes and  
 HEADLEA ADL: difficulty eating, such as cutting up food  
 HEADLWA ADL: difficulty walking across a room  
 Wave 6 Core:  
 HEADLBA adl: difficulty bathing or showering  
 HEADLBE adl: difficulty getting in and out of bed  
 HEADLDR adl: difficulty dressing, including putting on shoes and  
 HEADLEA adl: difficulty eating, such as cutting up food  
 HEADLWA adl: difficulty walking across a room  
 Wave 7 Core:  
 HEADLBA adl: difficulty bathing or showering  
 HEADLBE adl: difficulty getting in and out of bed  
 HEADLDR adl: difficulty dressing, including putting on shoes and  
 HEADLEA adl: difficulty eating, such as cutting up food  
 HEADLWA adl: difficulty walking across a room  
 Wave 8 Core:  
 HEADLBA adl: difficulty bathing or showering  
 HEADLBE adl: difficulty getting in and out of bed  
 HEADLDR adl: difficulty dressing, including putting on shoes and  
 HEADLEA adl: difficulty eating, such as cutting up food  
 HEADLWA adl: difficulty walking across a room  
 Wave 9 Core:  
 HEADLBA ADL: difficulty bathing or showering  
 HEADLBE ADL: difficulty getting in and out of bed

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HEADLDR	ADL: difficulty dressing, including putting on shoes and
HEADLEA	ADL: difficulty eating, such as cutting up food
HEADLWA	ADL: difficulty walking across a room

<b>IADL Summary: Sum IADLs Where Respondent Reports Any Difficulty</b>
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Wave	Variable	Label	Type
1	R1IADLA	rliadla:w1 R Some Diff-IADLs:3-Item /0-3	Cont
2	R2IADLA	r2iadla:w2 R Some Diff-IADLs:3-Item /0-3	Cont
3	R3IADLA	r3iadla:w3 R Some Diff-IADLs:3-Item /0-3	Cont
4	R4IADLA	r4iadla:w4 R Some Diff-IADLs:3-Item /0-3	Cont
5	R5IADLA	r5iadla:w5 R Some Diff-IADLs:3-Item /0-3	Cont
6	R6IADLA	r6iadla:w6 R Some Diff-IADLs:3-Item /0-3	Cont
7	R7IADLA	r7iadla:w7 R Some Diff-IADLs:3-Item /0-3	Cont
8	R8IADLA	r8iadla:w8 R Some Diff-IADLs:3-Item /0-3	Cont
9	R9IADLA	r9iadla:w9 R Some Diff-IADLs:3-Item /0-3	Cont
1	S1IADLA	sliadla:w1 S Some Diff-IADLs:3-Item /0-3	Cont
2	S2IADLA	s2iadla:w2 S Some Diff-IADLs:3-Item /0-3	Cont
3	S3IADLA	s3iadla:w3 S Some Diff-IADLs:3-Item /0-3	Cont
4	S4IADLA	s4iadla:w4 S Some Diff-IADLs:3-Item /0-3	Cont
5	S5IADLA	s5iadla:w5 S Some Diff-IADLs:3-Item /0-3	Cont
6	S6IADLA	s6iadla:w6 S Some Diff-IADLs:3-Item /0-3	Cont
7	S7IADLA	s7iadla:w7 S Some Diff-IADLs:3-Item /0-3	Cont
8	S8IADLA	s8iadla:w8 S Some Diff-IADLs:3-Item /0-3	Cont
9	S9IADLA	s9iadla:w9 S Some Diff-IADLs:3-Item /0-3	Cont
1	R1IADLAM	rliadlam:w1 R Missings in Some Diff-IADLs:3-Item /0-3	Cont
2	R2IADLAM	r2iadlam:w2 R Missings in Some Diff-IADLs:3-Item /0-3	Cont
3	R3IADLAM	r3iadlam:w3 R Missings in Some Diff-IADLs:3-Item /0-3	Cont
4	R4IADLAM	r4iadlam:w4 R Missings in Some Diff-IADLs:3-Item /0-3	Cont
5	R5IADLAM	r5iadlam:w5 R Missings in Some Diff-IADLs:3-Item /0-3	Cont
6	R6IADLAM	r6iadlam:w6 R Missings in Some Diff-IADLs:3-Item /0-3	Cont
7	R7IADLAM	r7iadlam:w7 R Missings in Some Diff-IADLs:3-Item /0-3	Cont
8	R8IADLAM	r8iadlam:w8 R Missings in Some Diff-IADLs:3-Item /0-3	Cont
9	R9IADLAM	r9iadlam:w9 R Missings in Some Diff-IADLs:3-Item /0-3	Cont
1	S1IADLAM	sliadlam:w1 S Missings in Some Diff-IADLs:3-Item /0-3	Cont
2	S2IADLAM	s2iadlam:w2 S Missings in Some Diff-IADLs:3-Item /0-3	Cont
3	S3IADLAM	s3iadlam:w3 S Missings in Some Diff-IADLs:3-Item /0-3	Cont
4	S4IADLAM	s4iadlam:w4 S Missings in Some Diff-IADLs:3-Item /0-3	Cont
5	S5IADLAM	s5iadlam:w5 S Missings in Some Diff-IADLs:3-Item /0-3	Cont
6	S6IADLAM	s6iadlam:w6 S Missings in Some Diff-IADLs:3-Item /0-3	Cont
7	S7IADLAM	s7iadlam:w7 S Missings in Some Diff-IADLs:3-Item /0-3	Cont
8	S8IADLAM	s8iadlam:w8 S Missings in Some Diff-IADLs:3-Item /0-3	Cont
9	S9IADLAM	s9iadlam:w9 S Missings in Some Diff-IADLs:3-Item /0-3	Cont
1	R1IADLAA	rliadlaa:w1 whether R has Any Diff-IADLs:3-Item	Categ
2	R2IADLAA	r2iadlaa:w2 whether R has Any Diff-IADLs:3-Item	Categ
3	R3IADLAA	r3iadlaa:w3 whether R has Any Diff-IADLs:3-Item	Categ
4	R4IADLAA	r4iadlaa:w4 whether R has Any Diff-IADLs:3-Item	Categ
5	R5IADLAA	r5iadlaa:w5 whether R has Any Diff-IADLs:3-Item	Categ
6	R6IADLAA	r6iadlaa:w6 whether R has Any Diff-IADLs:3-Item	Categ
7	R7IADLAA	r7iadlaa:w7 whether R has Any Diff-IADLs:3-Item	Categ
8	R8IADLAA	r8iadlaa:w8 whether R has Any Diff-IADLs:3-Item	Categ
9	R9IADLAA	r9iadlaa:w9 whether R has Any Diff-IADLs:3-Item	Categ
1	S1IADLAA	sliadlaa:w1 whether S has Any Diff-IADLs:3-Item	Categ
2	S2IADLAA	s2iadlaa:w2 whether S has Any Diff-IADLs:3-Item	Categ
3	S3IADLAA	s3iadlaa:w3 whether S has Any Diff-IADLs:3-Item	Categ
4	S4IADLAA	s4iadlaa:w4 whether S has Any Diff-IADLs:3-Item	Categ
5	S5IADLAA	s5iadlaa:w5 whether S has Any Diff-IADLs:3-Item	Categ
6	S6IADLAA	s6iadlaa:w6 whether S has Any Diff-IADLs:3-Item	Categ
7	S7IADLAA	s7iadlaa:w7 whether S has Any Diff-IADLs:3-Item	Categ

8	S8IADLAA	s8iadlaa:w8	whether S has Any Diff-IADLs:3-Item	Categ
9	S9IADLAA	s9iadlaa:w9	whether S has Any Diff-IADLs:3-Item	Categ
1	R1IADLF0UR	r1iadlfour:w1	R Some Diff-IADLs:4-item /0-4	Cont
2	R2IADLF0UR	r2iadlfour:w2	R Some Diff-IADLs:4-item /0-4	Cont
3	R3IADLF0UR	r3iadlfour:w3	R Some Diff-IADLs:4-item /0-4	Cont
4	R4IADLF0UR	r4iadlfour:w4	R Some Diff-IADLs:4-item /0-4	Cont
5	R5IADLF0UR	r5iadlfour:w5	R Some Diff-IADLs:4-item /0-4	Cont
6	R6IADLF0UR	r6iadlfour:w6	R Some Diff-IADLs:4-item /0-4	Cont
7	R7IADLF0UR	r7iadlfour:w7	R Some Diff-IADLs:4-item /0-4	Cont
8	R8IADLF0UR	r8iadlfour:w8	R Some Diff-IADLs:4-item /0-4	Cont
9	R9IADLF0UR	r9iadlfour:w9	R Some Diff-IADLs:4-item /0-4	Cont
1	S1IADLF0UR	s1iadlfour:w1	S Some Diff-IADLs:4-item /0-4	Cont
2	S2IADLF0UR	s2iadlfour:w2	S Some Diff-IADLs:4-item /0-4	Cont
3	S3IADLF0UR	s3iadlfour:w3	S Some Diff-IADLs:4-item /0-4	Cont
4	S4IADLF0UR	s4iadlfour:w4	S Some Diff-IADLs:4-item /0-4	Cont
5	S5IADLF0UR	s5iadlfour:w5	S Some Diff-IADLs:4-item /0-4	Cont
6	S6IADLF0UR	s6iadlfour:w6	S Some Diff-IADLs:4-item /0-4	Cont
7	S7IADLF0UR	s7iadlfour:w7	S Some Diff-IADLs:4-item /0-4	Cont
8	S8IADLF0UR	s8iadlfour:w8	S Some Diff-IADLs:4-item /0-4	Cont
9	S9IADLF0UR	s9iadlfour:w9	S Some Diff-IADLs:4-item /0-4	Cont
1	R1IADLF0URM	r1iadlfourm:w1	R Missings in Some Diff-IADLs:4-item /0-4	Cont
2	R2IADLF0URM	r2iadlfourm:w2	R Missings in Some Diff-IADLs:4-item /0-4	Cont
3	R3IADLF0URM	r3iadlfourm:w3	R Missings in Some Diff-IADLs:4-item /0-4	Cont
4	R4IADLF0URM	r4iadlfourm:w4	R Missings in Some Diff-IADLs:4-item /0-4	Cont
5	R5IADLF0URM	r5iadlfourm:w5	R Missings in Some Diff-IADLs:4-item /0-4	Cont
6	R6IADLF0URM	r6iadlfourm:w6	R Missings in Some Diff-IADLs:4-item /0-4	Cont
7	R7IADLF0URM	r7iadlfourm:w7	R Missings in Some Diff-IADLs:4-item /0-4	Cont
8	R8IADLF0URM	r8iadlfourm:w8	R Missings in Some Diff-IADLs:4-item /0-4	Cont
9	R9IADLF0URM	r9iadlfourm:w9	R Missings in Some Diff-IADLs:4-item /0-4	Cont
1	S1IADLF0URM	s1iadlfourm:w1	S Missings in Some Diff-IADLs:4-item /0-4	Cont
2	S2IADLF0URM	s2iadlfourm:w2	S Missings in Some Diff-IADLs:4-item /0-4	Cont
3	S3IADLF0URM	s3iadlfourm:w3	S Missings in Some Diff-IADLs:4-item /0-4	Cont
4	S4IADLF0URM	s4iadlfourm:w4	S Missings in Some Diff-IADLs:4-item /0-4	Cont
5	S5IADLF0URM	s5iadlfourm:w5	S Missings in Some Diff-IADLs:4-item /0-4	Cont
6	S6IADLF0URM	s6iadlfourm:w6	S Missings in Some Diff-IADLs:4-item /0-4	Cont
7	S7IADLF0URM	s7iadlfourm:w7	S Missings in Some Diff-IADLs:4-item /0-4	Cont
8	S8IADLF0URM	s8iadlfourm:w8	S Missings in Some Diff-IADLs:4-item /0-4	Cont
9	S9IADLF0URM	s9iadlfourm:w9	S Missings in Some Diff-IADLs:4-item /0-4	Cont
1	R1IADLF0URA	r1iadlfoura:w1	whether R has Any Diff-IADLs:4-item	Categ
2	R2IADLF0URA	r2iadlfoura:w2	whether R has Any Diff-IADLs:4-item	Categ
3	R3IADLF0URA	r3iadlfoura:w3	whether R has Any Diff-IADLs:4-item	Categ
4	R4IADLF0URA	r4iadlfoura:w4	whether R has Any Diff-IADLs:4-item	Categ
5	R5IADLF0URA	r5iadlfoura:w5	whether R has Any Diff-IADLs:4-item	Categ
6	R6IADLF0URA	r6iadlfoura:w6	whether R has Any Diff-IADLs:4-item	Categ
7	R7IADLF0URA	r7iadlfoura:w7	whether R has Any Diff-IADLs:4-item	Categ
8	R8IADLF0URA	r8iadlfoura:w8	whether R has Any Diff-IADLs:4-item	Categ
9	R9IADLF0URA	r9iadlfoura:w9	whether R has Any Diff-IADLs:4-item	Categ
1	S1IADLF0URA	s1iadlfoura:w1	whether S has Any Diff-IADLs:4-item	Categ
2	S2IADLF0URA	s2iadlfoura:w2	whether S has Any Diff-IADLs:4-item	Categ
3	S3IADLF0URA	s3iadlfoura:w3	whether S has Any Diff-IADLs:4-item	Categ
4	S4IADLF0URA	s4iadlfoura:w4	whether S has Any Diff-IADLs:4-item	Categ
5	S5IADLF0URA	s5iadlfoura:w5	whether S has Any Diff-IADLs:4-item	Categ
6	S6IADLF0URA	s6iadlfoura:w6	whether S has Any Diff-IADLs:4-item	Categ
7	S7IADLF0URA	s7iadlfoura:w7	whether S has Any Diff-IADLs:4-item	Categ
8	S8IADLF0URA	s8iadlfoura:w8	whether S has Any Diff-IADLs:4-item	Categ
9	S9IADLF0URA	s9iadlfoura:w9	whether S has Any Diff-IADLs:4-item	Categ

1	R1IADLZA	rliadlza:w1	R	Some	Diff-IADLs:5-item	/0-5	Cont	
2	R2IADLZA	r2iadlza:w2	R	Some	Diff-IADLs:5-item	/0-5	Cont	
3	R3IADLZA	r3iadlza:w3	R	Some	Diff-IADLs:5-item	/0-5	Cont	
4	R4IADLZA	r4iadlza:w4	R	Some	Diff-IADLs:5-item	/0-5	Cont	
5	R5IADLZA	r5iadlza:w5	R	Some	Diff-IADLs:5-item	/0-5	Cont	
6	R6IADLZA	r6iadlza:w6	R	Some	Diff-IADLs:5-item	/0-5	Cont	
7	R7IADLZA	r7iadlza:w7	R	Some	Diff-IADLs:5-item	/0-5	Cont	
8	R8IADLZA	r8iadlza:w8	R	Some	Diff-IADLs:5-item	/0-5	Cont	
9	R9IADLZA	r9iadlza:w9	R	Some	Diff-IADLs:5-item	/0-5	Cont	
1	S1IADLZA	sliadlza:w1	S	Some	Diff-IADLs:5-item	/0-5	Cont	
2	S2IADLZA	s2iadlza:w2	S	Some	Diff-IADLs:5-item	/0-5	Cont	
3	S3IADLZA	s3iadlza:w3	S	Some	Diff-IADLs:5-item	/0-5	Cont	
4	S4IADLZA	s4iadlza:w4	S	Some	Diff-IADLs:5-item	/0-5	Cont	
5	S5IADLZA	s5iadlza:w5	S	Some	Diff-IADLs:5-item	/0-5	Cont	
6	S6IADLZA	s6iadlza:w6	S	Some	Diff-IADLs:5-item	/0-5	Cont	
7	S7IADLZA	s7iadlza:w7	S	Some	Diff-IADLs:5-item	/0-5	Cont	
8	S8IADLZA	s8iadlza:w8	S	Some	Diff-IADLs:5-item	/0-5	Cont	
9	S9IADLZA	s9iadlza:w9	S	Some	Diff-IADLs:5-item	/0-5	Cont	
1	R1IADLZAM	rliadlzam:w1	R	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
2	R2IADLZAM	r2iadlzam:w2	R	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
3	R3IADLZAM	r3iadlzam:w3	R	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
4	R4IADLZAM	r4iadlzam:w4	R	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
5	R5IADLZAM	r5iadlzam:w5	R	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
6	R6IADLZAM	r6iadlzam:w6	R	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
7	R7IADLZAM	r7iadlzam:w7	R	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
8	R8IADLZAM	r8iadlzam:w8	R	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
9	R9IADLZAM	r9iadlzam:w9	R	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
1	S1IADLZAM	sliadlzam:w1	S	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
2	S2IADLZAM	s2iadlzam:w2	S	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
3	S3IADLZAM	s3iadlzam:w3	S	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
4	S4IADLZAM	s4iadlzam:w4	S	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
5	S5IADLZAM	s5iadlzam:w5	S	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
6	S6IADLZAM	s6iadlzam:w6	S	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
7	S7IADLZAM	s7iadlzam:w7	S	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
8	S8IADLZAM	s8iadlzam:w8	S	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
9	S9IADLZAM	s9iadlzam:w9	S	Missings	in Some	Diff-IADLs:5-item	/0-5	Cont
1	R1IADLZAA	rliadlzaa:w1	whether	R	has	Any	Diff-IADLs:5-item	Categ
2	R2IADLZAA	r2iadlzaa:w2	whether	R	has	Any	Diff-IADLs:5-item	Categ
3	R3IADLZAA	r3iadlzaa:w3	whether	R	has	Any	Diff-IADLs:5-item	Categ
4	R4IADLZAA	r4iadlzaa:w4	whether	R	has	Any	Diff-IADLs:5-item	Categ
5	R5IADLZAA	r5iadlzaa:w5	whether	R	has	Any	Diff-IADLs:5-item	Categ
6	R6IADLZAA	r6iadlzaa:w6	whether	R	has	Any	Diff-IADLs:5-item	Categ
7	R7IADLZAA	r7iadlzaa:w7	whether	R	has	Any	Diff-IADLs:5-item	Categ
8	R8IADLZAA	r8iadlzaa:w8	whether	R	has	Any	Diff-IADLs:5-item	Categ
9	R9IADLZAA	r9iadlzaa:w9	whether	R	has	Any	Diff-IADLs:5-item	Categ
1	S1IADLZAA	sliadlzaa:w1	whether	S	has	Any	Diff-IADLs:5-item	Categ
2	S2IADLZAA	s2iadlzaa:w2	whether	S	has	Any	Diff-IADLs:5-item	Categ
3	S3IADLZAA	s3iadlzaa:w3	whether	S	has	Any	Diff-IADLs:5-item	Categ
4	S4IADLZAA	s4iadlzaa:w4	whether	S	has	Any	Diff-IADLs:5-item	Categ
5	S5IADLZAA	s5iadlzaa:w5	whether	S	has	Any	Diff-IADLs:5-item	Categ
6	S6IADLZAA	s6iadlzaa:w6	whether	S	has	Any	Diff-IADLs:5-item	Categ
7	S7IADLZAA	s7iadlzaa:w7	whether	S	has	Any	Diff-IADLs:5-item	Categ
8	S8IADLZAA	s8iadlzaa:w8	whether	S	has	Any	Diff-IADLs:5-item	Categ
9	S9IADLZAA	s9iadlzaa:w9	whether	S	has	Any	Diff-IADLs:5-item	Categ
1	R1IADLTOT1_E	rliadltot1_e:w1	R	Some	Diff-IADLs:7-item	/0-7	Cont	
2	R2IADLTOT1_E	r2iadltot1_e:w2	R	Some	Diff-IADLs:7-item	/0-7	Cont	
3	R3IADLTOT1_E	r3iadltot1_e:w3	R	Some	Diff-IADLs:7-item	/0-7	Cont	

4	R4IADLTOT1_E	r4iadltot1_e:w4	R	Some	Diff-IADLs:7-item	/0-7	Cont	
5	R5IADLTOT1_E	r5iadltot1_e:w5	R	Some	Diff-IADLs:7-item	/0-7	Cont	
6	R6IADLTOT1_E	r6iadltot1_e:w6	R	Some	Diff-IADLs:7-item	/0-7	Cont	
7	R7IADLTOT1_E	r7iadltot1_e:w7	R	Some	Diff-IADLs:7-item	/0-7	Cont	
8	R8IADLTOT1_E	r8iadltot1_e:w8	R	Some	Diff-IADLs:7-item	/0-7	Cont	
9	R9IADLTOT1_E	r9iadltot1_e:w9	R	Some	Diff-IADLs:7-item	/0-7	Cont	
1	S1IADLTOT1_E	s1iadltot1_e:w1	S	Some	Diff-IADLs:7-item	/0-7	Cont	
2	S2IADLTOT1_E	s2iadltot1_e:w2	S	Some	Diff-IADLs:7-item	/0-7	Cont	
3	S3IADLTOT1_E	s3iadltot1_e:w3	S	Some	Diff-IADLs:7-item	/0-7	Cont	
4	S4IADLTOT1_E	s4iadltot1_e:w4	S	Some	Diff-IADLs:7-item	/0-7	Cont	
5	S5IADLTOT1_E	s5iadltot1_e:w5	S	Some	Diff-IADLs:7-item	/0-7	Cont	
6	S6IADLTOT1_E	s6iadltot1_e:w6	S	Some	Diff-IADLs:7-item	/0-7	Cont	
7	S7IADLTOT1_E	s7iadltot1_e:w7	S	Some	Diff-IADLs:7-item	/0-7	Cont	
8	S8IADLTOT1_E	s8iadltot1_e:w8	S	Some	Diff-IADLs:7-item	/0-7	Cont	
9	S9IADLTOT1_E	s9iadltot1_e:w9	S	Some	Diff-IADLs:7-item	/0-7	Cont	
1	R1IADLTOT1M_E	r1iadltot1m_e:w1	R	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
2	R2IADLTOT1M_E	r2iadltot1m_e:w2	R	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
3	R3IADLTOT1M_E	r3iadltot1m_e:w3	R	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
4	R4IADLTOT1M_E	r4iadltot1m_e:w4	R	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
5	R5IADLTOT1M_E	r5iadltot1m_e:w5	R	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
6	R6IADLTOT1M_E	r6iadltot1m_e:w6	R	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
7	R7IADLTOT1M_E	r7iadltot1m_e:w7	R	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
8	R8IADLTOT1M_E	r8iadltot1m_e:w8	R	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
9	R9IADLTOT1M_E	r9iadltot1m_e:w9	R	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
1	S1IADLTOT1M_E	s1iadltot1m_e:w1	S	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
2	S2IADLTOT1M_E	s2iadltot1m_e:w2	S	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
3	S3IADLTOT1M_E	s3iadltot1m_e:w3	S	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
4	S4IADLTOT1M_E	s4iadltot1m_e:w4	S	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
5	S5IADLTOT1M_E	s5iadltot1m_e:w5	S	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
6	S6IADLTOT1M_E	s6iadltot1m_e:w6	S	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
7	S7IADLTOT1M_E	s7iadltot1m_e:w7	S	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
8	S8IADLTOT1M_E	s8iadltot1m_e:w8	S	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
9	S9IADLTOT1M_E	s9iadltot1m_e:w9	S	Missings	in Some	Diff-IADLs:7-item	/0-7	Cont
1	R1IADLTOT1A_E	r1iadltot1a_e:w1	whether	R	has	Any	Diff-IADLs:7-item	Categ
2	R2IADLTOT1A_E	r2iadltot1a_e:w2	whether	R	has	Any	Diff-IADLs:7-item	Categ
3	R3IADLTOT1A_E	r3iadltot1a_e:w3	whether	R	has	Any	Diff-IADLs:7-item	Categ
4	R4IADLTOT1A_E	r4iadltot1a_e:w4	whether	R	has	Any	Diff-IADLs:7-item	Categ
5	R5IADLTOT1A_E	r5iadltot1a_e:w5	whether	R	has	Any	Diff-IADLs:7-item	Categ
6	R6IADLTOT1A_E	r6iadltot1a_e:w6	whether	R	has	Any	Diff-IADLs:7-item	Categ
7	R7IADLTOT1A_E	r7iadltot1a_e:w7	whether	R	has	Any	Diff-IADLs:7-item	Categ
8	R8IADLTOT1A_E	r8iadltot1a_e:w8	whether	R	has	Any	Diff-IADLs:7-item	Categ
9	R9IADLTOT1A_E	r9iadltot1a_e:w9	whether	R	has	Any	Diff-IADLs:7-item	Categ
1	S1IADLTOT1A_E	s1iadltot1a_e:w1	whether	S	has	Any	Diff-IADLs:7-item	Categ
2	S2IADLTOT1A_E	s2iadltot1a_e:w2	whether	S	has	Any	Diff-IADLs:7-item	Categ
3	S3IADLTOT1A_E	s3iadltot1a_e:w3	whether	S	has	Any	Diff-IADLs:7-item	Categ
4	S4IADLTOT1A_E	s4iadltot1a_e:w4	whether	S	has	Any	Diff-IADLs:7-item	Categ
5	S5IADLTOT1A_E	s5iadltot1a_e:w5	whether	S	has	Any	Diff-IADLs:7-item	Categ
6	S6IADLTOT1A_E	s6iadltot1a_e:w6	whether	S	has	Any	Diff-IADLs:7-item	Categ
7	S7IADLTOT1A_E	s7iadltot1a_e:w7	whether	S	has	Any	Diff-IADLs:7-item	Categ
8	S8IADLTOT1A_E	s8iadltot1a_e:w8	whether	S	has	Any	Diff-IADLs:7-item	Categ
9	S9IADLTOT1A_E	s9iadltot1a_e:w9	whether	S	has	Any	Diff-IADLs:7-item	Categ
4	R4IADLTOT2_E	r4iadltot2_e:w4	R	Some	Diff-IADLs:9-item	/0-9	Cont	
5	R5IADLTOT2_E	r5iadltot2_e:w5	R	Some	Diff-IADLs:9-item	/0-9	Cont	
6	R6IADLTOT2_E	r6iadltot2_e:w6	R	Some	Diff-IADLs:9-item	/0-9	Cont	
7	R7IADLTOT2_E	r7iadltot2_e:w7	R	Some	Diff-IADLs:9-item	/0-9	Cont	
8	R8IADLTOT2_E	r8iadltot2_e:w8	R	Some	Diff-IADLs:9-item	/0-9	Cont	
9	R9IADLTOT2_E	r9iadltot2_e:w9	R	Some	Diff-IADLs:9-item	/0-9	Cont	

4	S4IADLTOT2_E	s4iadltot2_e:w4	S	Some	Diff-IADLs:9-item	/0-9	Cont	
5	S5IADLTOT2_E	s5iadltot2_e:w5	S	Some	Diff-IADLs:9-item	/0-9	Cont	
6	S6IADLTOT2_E	s6iadltot2_e:w6	S	Some	Diff-IADLs:9-item	/0-9	Cont	
7	S7IADLTOT2_E	s7iadltot2_e:w7	S	Some	Diff-IADLs:9-item	/0-9	Cont	
8	S8IADLTOT2_E	s8iadltot2_e:w8	S	Some	Diff-IADLs:9-item	/0-9	Cont	
9	S9IADLTOT2_E	s9iadltot2_e:w9	S	Some	Diff-IADLs:9-item	/0-9	Cont	
4	R4IADLTOT2M_E	r4iadltot2m_e:w4	R	Missings	in	Some Diff-IADLs:9-item	/0-9	Cont
5	R5IADLTOT2M_E	r5iadltot2m_e:w5	R	Missings	in	Some Diff-IADLs:9-item	/0-9	Cont
6	R6IADLTOT2M_E	r6iadltot2m_e:w6	R	Missings	in	Some Diff-IADLs:9-item	/0-9	Cont
7	R7IADLTOT2M_E	r7iadltot2m_e:w7	R	Missings	in	Some Diff-IADLs:9-item	/0-9	Cont
8	R8IADLTOT2M_E	r8iadltot2m_e:w8	R	Missings	in	Some Diff-IADLs:9-item	/0-9	Cont
9	R9IADLTOT2M_E	r9iadltot2m_e:w9	R	Missings	in	Some Diff-IADLs:9-item	/0-9	Cont
4	S4IADLTOT2M_E	s4iadltot2m_e:w4	S	Missings	in	Some Diff-IADLs:9-item	/0-9	Cont
5	S5IADLTOT2M_E	s5iadltot2m_e:w5	S	Missings	in	Some Diff-IADLs:9-item	/0-9	Cont
6	S6IADLTOT2M_E	s6iadltot2m_e:w6	S	Missings	in	Some Diff-IADLs:9-item	/0-9	Cont
7	S7IADLTOT2M_E	s7iadltot2m_e:w7	S	Missings	in	Some Diff-IADLs:9-item	/0-9	Cont
8	S8IADLTOT2M_E	s8iadltot2m_e:w8	S	Missings	in	Some Diff-IADLs:9-item	/0-9	Cont
9	S9IADLTOT2M_E	s9iadltot2m_e:w9	S	Missings	in	Some Diff-IADLs:9-item	/0-9	Cont
4	R4IADLTOT2A_E	r4iadltot2a_e:w4	whether	R	has	Any Diff-IADLs:9-item	Categ	
5	R5IADLTOT2A_E	r5iadltot2a_e:w5	whether	R	has	Any Diff-IADLs:9-item	Categ	
6	R6IADLTOT2A_E	r6iadltot2a_e:w6	whether	R	has	Any Diff-IADLs:9-item	Categ	
7	R7IADLTOT2A_E	r7iadltot2a_e:w7	whether	R	has	Any Diff-IADLs:9-item	Categ	
8	R8IADLTOT2A_E	r8iadltot2a_e:w8	whether	R	has	Any Diff-IADLs:9-item	Categ	
9	R9IADLTOT2A_E	r9iadltot2a_e:w9	whether	R	has	Any Diff-IADLs:9-item	Categ	
4	S4IADLTOT2A_E	s4iadltot2a_e:w4	whether	S	has	Any Diff-IADLs:9-item	Categ	
5	S5IADLTOT2A_E	s5iadltot2a_e:w5	whether	S	has	Any Diff-IADLs:9-item	Categ	
6	S6IADLTOT2A_E	s6iadltot2a_e:w6	whether	S	has	Any Diff-IADLs:9-item	Categ	
7	S7IADLTOT2A_E	s7iadltot2a_e:w7	whether	S	has	Any Diff-IADLs:9-item	Categ	
8	S8IADLTOT2A_E	s8iadltot2a_e:w8	whether	S	has	Any Diff-IADLs:9-item	Categ	
9	S9IADLTOT2A_E	s9iadltot2a_e:w9	whether	S	has	Any Diff-IADLs:9-item	Categ	

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IADLA	11908	0.06	0.29	0.00	3.00
R2IADLA	9429	0.08	0.37	0.00	3.00
R3IADLA	9762	0.09	0.40	0.00	3.00
R4IADLA	11041	0.08	0.40	0.00	3.00
R5IADLA	10266	0.10	0.43	0.00	3.00
R6IADLA	10596	0.09	0.44	0.00	3.00
R7IADLA	9664	0.09	0.44	0.00	3.00
R8IADLA	8443	0.10	0.45	0.00	3.00
R9IADLA	8731	0.11	0.47	0.00	3.00
S1IADLA	7936	0.05	0.27	0.00	3.00
S2IADLA	6175	0.07	0.35	0.00	3.00
S3IADLA	6380	0.06	0.32	0.00	3.00
S4IADLA	7394	0.06	0.33	0.00	3.00
S5IADLA	6957	0.07	0.35	0.00	3.00
S6IADLA	7239	0.07	0.37	0.00	3.00
S7IADLA	6558	0.06	0.35	0.00	3.00
S8IADLA	5686	0.08	0.38	0.00	3.00
S9IADLA	5817	0.08	0.39	0.00	3.00
R1IADLAM	12099	0.05	0.37	0.00	3.00
R2IADLAM	9432	0.00	0.05	0.00	3.00
R3IADLAM	9766	0.00	0.06	0.00	3.00

R4IADLAM	11050	0.00	0.09	0.00	3.00
R5IADLAM	10274	0.00	0.08	0.00	3.00
R6IADLAM	10601	0.00	0.07	0.00	3.00
R7IADLAM	9666	0.00	0.04	0.00	3.00
R8IADLAM	8445	0.00	0.05	0.00	3.00
R9IADLAM	8736	0.00	0.07	0.00	3.00
S1IADLAM	8070	0.05	0.38	0.00	3.00
S2IADLAM	6178	0.00	0.07	0.00	3.00
S3IADLAM	6382	0.00	0.05	0.00	3.00
S4IADLAM	7402	0.00	0.10	0.00	3.00
S5IADLAM	6964	0.00	0.10	0.00	3.00
S6IADLAM	7242	0.00	0.06	0.00	3.00
S7IADLAM	6560	0.00	0.05	0.00	3.00
S8IADLAM	5688	0.00	0.06	0.00	3.00
S9IADLAM	5820	0.00	0.07	0.00	3.00
R1IADLAA	11908	0.04	0.20	0.00	1.00
R2IADLAA	9429	0.05	0.22	0.00	1.00
R3IADLAA	9762	0.05	0.23	0.00	1.00
R4IADLAA	11041	0.05	0.23	0.00	1.00
R5IADLAA	10266	0.06	0.23	0.00	1.00
R6IADLAA	10596	0.06	0.23	0.00	1.00
R7IADLAA	9664	0.06	0.23	0.00	1.00
R8IADLAA	8443	0.06	0.24	0.00	1.00
R9IADLAA	8731	0.06	0.24	0.00	1.00
S1IADLAA	7936	0.04	0.19	0.00	1.00
S2IADLAA	6175	0.05	0.21	0.00	1.00
S3IADLAA	6380	0.04	0.19	0.00	1.00
S4IADLAA	7394	0.04	0.20	0.00	1.00
S5IADLAA	6957	0.04	0.20	0.00	1.00
S6IADLAA	7239	0.04	0.20	0.00	1.00
S7IADLAA	6558	0.04	0.20	0.00	1.00
S8IADLAA	5686	0.05	0.21	0.00	1.00
S9IADLAA	5817	0.05	0.21	0.00	1.00
R1IADLFOUR	11908	0.18	0.56	0.00	4.00
R2IADLFOUR	9429	0.20	0.64	0.00	4.00
R3IADLFOUR	9762	0.21	0.67	0.00	4.00
R4IADLFOUR	11041	0.20	0.65	0.00	4.00
R5IADLFOUR	10266	0.21	0.69	0.00	4.00
R6IADLFOUR	10596	0.21	0.70	0.00	4.00
R7IADLFOUR	9664	0.21	0.69	0.00	4.00
R8IADLFOUR	8443	0.22	0.72	0.00	4.00
R9IADLFOUR	8731	0.22	0.72	0.00	4.00
S1IADLFOUR	7936	0.14	0.50	0.00	4.00
S2IADLFOUR	6175	0.16	0.57	0.00	4.00
S3IADLFOUR	6380	0.14	0.55	0.00	4.00
S4IADLFOUR	7394	0.13	0.53	0.00	4.00
S5IADLFOUR	6957	0.14	0.54	0.00	4.00
S6IADLFOUR	7239	0.14	0.56	0.00	4.00
S7IADLFOUR	6558	0.13	0.54	0.00	4.00
S8IADLFOUR	5686	0.16	0.60	0.00	4.00
S9IADLFOUR	5817	0.15	0.60	0.00	4.00
R1IADLFOURM	12099	0.06	0.50	0.00	4.00
R2IADLFOURM	9432	0.00	0.07	0.00	4.00
R3IADLFOURM	9766	0.00	0.08	0.00	4.00
R4IADLFOURM	11050	0.00	0.11	0.00	4.00
R5IADLFOURM	10274	0.00	0.11	0.00	4.00
R6IADLFOURM	10601	0.00	0.09	0.00	4.00



R7IADLFOURM	9666	0.00	0.06	0.00	4.00
R8IADLFOURM	8445	0.00	0.06	0.00	4.00
R9IADLFOURM	8736	0.00	0.10	0.00	4.00
S1IADLFOURM	8070	0.07	0.51	0.00	4.00
S2IADLFOURM	6178	0.00	0.09	0.00	4.00
S3IADLFOURM	6382	0.00	0.07	0.00	4.00
S4IADLFOURM	7402	0.00	0.13	0.00	4.00
S5IADLFOURM	6964	0.00	0.13	0.00	4.00
S6IADLFOURM	7242	0.00	0.08	0.00	4.00
S7IADLFOURM	6560	0.00	0.07	0.00	4.00
S8IADLFOURM	5688	0.00	0.07	0.00	4.00
S9IADLFOURM	5820	0.00	0.09	0.00	4.00
R1IADLFOURA	11908	0.11	0.32	0.00	1.00
R2IADLFOURA	9429	0.12	0.33	0.00	1.00
R3IADLFOURA	9762	0.12	0.32	0.00	1.00
R4IADLFOURA	11041	0.11	0.32	0.00	1.00
R5IADLFOURA	10266	0.12	0.32	0.00	1.00
R6IADLFOURA	10596	0.12	0.32	0.00	1.00
R7IADLFOURA	9664	0.11	0.31	0.00	1.00
R8IADLFOURA	8443	0.12	0.32	0.00	1.00
R9IADLFOURA	8731	0.11	0.32	0.00	1.00
S1IADLFOURA	7936	0.09	0.28	0.00	1.00
S2IADLFOURA	6175	0.09	0.29	0.00	1.00
S3IADLFOURA	6380	0.08	0.27	0.00	1.00
S4IADLFOURA	7394	0.08	0.27	0.00	1.00
S5IADLFOURA	6957	0.08	0.27	0.00	1.00
S6IADLFOURA	7239	0.08	0.27	0.00	1.00
S7IADLFOURA	6558	0.08	0.26	0.00	1.00
S8IADLFOURA	5686	0.08	0.28	0.00	1.00
S9IADLFOURA	5817	0.08	0.27	0.00	1.00
R1IADLZA	11908	0.19	0.61	0.00	5.00
R2IADLZA	9429	0.23	0.71	0.00	5.00
R3IADLZA	9762	0.23	0.76	0.00	5.00
R4IADLZA	11041	0.22	0.74	0.00	5.00
R5IADLZA	10266	0.24	0.79	0.00	5.00
R6IADLZA	10596	0.24	0.80	0.00	5.00
R7IADLZA	9664	0.24	0.80	0.00	5.00
R8IADLZA	8443	0.25	0.82	0.00	5.00
R9IADLZA	8731	0.25	0.83	0.00	5.00
S1IADLZA	7936	0.15	0.55	0.00	5.00
S2IADLZA	6175	0.18	0.65	0.00	5.00
S3IADLZA	6380	0.16	0.62	0.00	5.00
S4IADLZA	7394	0.16	0.61	0.00	5.00
S5IADLZA	6957	0.16	0.63	0.00	5.00
S6IADLZA	7239	0.16	0.65	0.00	5.00
S7IADLZA	6558	0.16	0.63	0.00	5.00
S8IADLZA	5686	0.18	0.69	0.00	5.00
S9IADLZA	5817	0.18	0.69	0.00	5.00
R1IADLZAM	12099	0.08	0.62	0.00	5.00
R2IADLZAM	9432	0.00	0.09	0.00	5.00
R3IADLZAM	9766	0.00	0.10	0.00	5.00
R4IADLZAM	11050	0.00	0.14	0.00	5.00
R5IADLZAM	10274	0.00	0.14	0.00	5.00
R6IADLZAM	10601	0.00	0.11	0.00	5.00
R7IADLZAM	9666	0.00	0.07	0.00	5.00
R8IADLZAM	8445	0.00	0.08	0.00	5.00
R9IADLZAM	8736	0.00	0.12	0.00	5.00

S1IADLZAM	8070	0.08	0.64	0.00	5.00
S2IADLZAM	6178	0.00	0.11	0.00	5.00
S3IADLZAM	6382	0.00	0.09	0.00	5.00
S4IADLZAM	7402	0.01	0.16	0.00	5.00
S5IADLZAM	6964	0.01	0.16	0.00	5.00
S6IADLZAM	7242	0.00	0.10	0.00	5.00
S7IADLZAM	6560	0.00	0.09	0.00	5.00
S8IADLZAM	5688	0.00	0.09	0.00	5.00
S9IADLZAM	5820	0.00	0.11	0.00	5.00
R1IADLZAA	11908	0.12	0.33	0.00	1.00
R2IADLZAA	9429	0.13	0.34	0.00	1.00
R3IADLZAA	9762	0.12	0.33	0.00	1.00
R4IADLZAA	11041	0.12	0.33	0.00	1.00
R5IADLZAA	10266	0.13	0.33	0.00	1.00
R6IADLZAA	10596	0.12	0.33	0.00	1.00
R7IADLZAA	9664	0.12	0.32	0.00	1.00
R8IADLZAA	8443	0.12	0.33	0.00	1.00
R9IADLZAA	8731	0.12	0.32	0.00	1.00
S1IADLZAA	7936	0.09	0.29	0.00	1.00
S2IADLZAA	6175	0.10	0.30	0.00	1.00
S3IADLZAA	6380	0.09	0.28	0.00	1.00
S4IADLZAA	7394	0.09	0.28	0.00	1.00
S5IADLZAA	6957	0.09	0.28	0.00	1.00
S6IADLZAA	7239	0.08	0.28	0.00	1.00
S7IADLZAA	6558	0.08	0.28	0.00	1.00
S8IADLZAA	5686	0.09	0.29	0.00	1.00
S9IADLZAA	5817	0.09	0.28	0.00	1.00
R1IADLTOT1_E	11908	0.40	0.97	0.00	7.00
R2IADLTOT1_E	9429	0.46	1.08	0.00	7.00
R3IADLTOT1_E	9762	0.44	1.13	0.00	7.00
R4IADLTOT1_E	11041	0.42	1.10	0.00	7.00
R5IADLTOT1_E	10266	0.45	1.16	0.00	7.00
R6IADLTOT1_E	10596	0.44	1.17	0.00	7.00
R7IADLTOT1_E	9664	0.43	1.17	0.00	7.00
R8IADLTOT1_E	8443	0.46	1.19	0.00	7.00
R9IADLTOT1_E	8731	0.45	1.21	0.00	7.00
S1IADLTOT1_E	7936	0.32	0.86	0.00	7.00
S2IADLTOT1_E	6175	0.36	0.98	0.00	7.00
S3IADLTOT1_E	6380	0.31	0.93	0.00	7.00
S4IADLTOT1_E	7394	0.30	0.90	0.00	7.00
S5IADLTOT1_E	6957	0.31	0.93	0.00	7.00
S6IADLTOT1_E	7239	0.31	0.95	0.00	7.00
S7IADLTOT1_E	6558	0.30	0.94	0.00	7.00
S8IADLTOT1_E	5686	0.34	1.00	0.00	7.00
S9IADLTOT1_E	5817	0.32	1.00	0.00	7.00
R1IADLTOT1M_E	12099	0.11	0.87	0.00	7.00
R2IADLTOT1M_E	9432	0.00	0.12	0.00	7.00
R3IADLTOT1M_E	9766	0.00	0.14	0.00	7.00
R4IADLTOT1M_E	11050	0.01	0.20	0.00	7.00
R5IADLTOT1M_E	10274	0.01	0.20	0.00	7.00
R6IADLTOT1M_E	10601	0.00	0.15	0.00	7.00
R7IADLTOT1M_E	9666	0.00	0.10	0.00	7.00
R8IADLTOT1M_E	8445	0.00	0.11	0.00	7.00
R9IADLTOT1M_E	8736	0.00	0.17	0.00	7.00
S1IADLTOT1M_E	8070	0.12	0.89	0.00	7.00
S2IADLTOT1M_E	6178	0.00	0.15	0.00	7.00

S3IADLTOT1M_E	6382	0.00	0.12	0.00	7.00
S4IADLTOT1M_E	7402	0.01	0.23	0.00	7.00
S5IADLTOT1M_E	6964	0.01	0.22	0.00	7.00
S6IADLTOT1M_E	7242	0.00	0.14	0.00	7.00
S7IADLTOT1M_E	6560	0.00	0.12	0.00	7.00
S8IADLTOT1M_E	5688	0.00	0.13	0.00	7.00
S9IADLTOT1M_E	5820	0.00	0.16	0.00	7.00
R1IADLTOT1A_E	11908	0.21	0.41	0.00	1.00
R2IADLTOT1A_E	9429	0.23	0.42	0.00	1.00
R3IADLTOT1A_E	9762	0.20	0.40	0.00	1.00
R4IADLTOT1A_E	11041	0.20	0.40	0.00	1.00
R5IADLTOT1A_E	10266	0.21	0.40	0.00	1.00
R6IADLTOT1A_E	10596	0.20	0.40	0.00	1.00
R7IADLTOT1A_E	9664	0.19	0.39	0.00	1.00
R8IADLTOT1A_E	8443	0.20	0.40	0.00	1.00
R9IADLTOT1A_E	8731	0.19	0.39	0.00	1.00
S1IADLTOT1A_E	7936	0.17	0.38	0.00	1.00
S2IADLTOT1A_E	6175	0.18	0.39	0.00	1.00
S3IADLTOT1A_E	6380	0.15	0.36	0.00	1.00
S4IADLTOT1A_E	7394	0.15	0.36	0.00	1.00
S5IADLTOT1A_E	6957	0.15	0.36	0.00	1.00
S6IADLTOT1A_E	7239	0.15	0.36	0.00	1.00
S7IADLTOT1A_E	6558	0.14	0.35	0.00	1.00
S8IADLTOT1A_E	5686	0.16	0.36	0.00	1.00
S9IADLTOT1A_E	5817	0.15	0.35	0.00	1.00
R4IADLTOT2_E	11041	0.48	1.26	0.00	9.00
R5IADLTOT2_E	10266	0.51	1.33	0.00	9.00
R6IADLTOT2_E	10596	0.50	1.35	0.00	9.00
R7IADLTOT2_E	9664	0.49	1.35	0.00	9.00
R8IADLTOT2_E	8443	0.52	1.36	0.00	9.00
R9IADLTOT2_E	8731	0.51	1.38	0.00	9.00
S4IADLTOT2_E	7394	0.35	1.03	0.00	9.00
S5IADLTOT2_E	6957	0.35	1.05	0.00	9.00
S6IADLTOT2_E	7239	0.35	1.07	0.00	9.00
S7IADLTOT2_E	6558	0.34	1.08	0.00	9.00
S8IADLTOT2_E	5686	0.38	1.16	0.00	9.00
S9IADLTOT2_E	5817	0.37	1.15	0.00	9.00
R4IADLTOT2M_E	11050	0.01	0.26	0.00	9.00
R5IADLTOT2M_E	10274	0.01	0.25	0.00	9.00
R6IADLTOT2M_E	10601	0.00	0.20	0.00	9.00
R7IADLTOT2M_E	9666	0.00	0.13	0.00	9.00
R8IADLTOT2M_E	8445	0.00	0.14	0.00	9.00
R9IADLTOT2M_E	8736	0.01	0.22	0.00	9.00
S4IADLTOT2M_E	7402	0.01	0.30	0.00	9.00
S5IADLTOT2M_E	6964	0.01	0.29	0.00	9.00
S6IADLTOT2M_E	7242	0.00	0.18	0.00	9.00
S7IADLTOT2M_E	6560	0.00	0.16	0.00	9.00
S8IADLTOT2M_E	5688	0.00	0.17	0.00	9.00
S9IADLTOT2M_E	5820	0.00	0.20	0.00	9.00
R4IADLTOT2A_E	11041	0.21	0.41	0.00	1.00
R5IADLTOT2A_E	10266	0.22	0.41	0.00	1.00
R6IADLTOT2A_E	10596	0.21	0.41	0.00	1.00
R7IADLTOT2A_E	9664	0.20	0.40	0.00	1.00
R8IADLTOT2A_E	8443	0.21	0.41	0.00	1.00
R9IADLTOT2A_E	8731	0.20	0.40	0.00	1.00

S4IADLTOT2A_E	7394	0.17	0.37	0.00	1.00
S5IADLTOT2A_E	6957	0.17	0.37	0.00	1.00
S6IADLTOT2A_E	7239	0.16	0.37	0.00	1.00
S7IADLTOT2A_E	6558	0.15	0.36	0.00	1.00
S8IADLTOT2A_E	5686	0.17	0.37	0.00	1.00
S9IADLTOT2A_E	5817	0.16	0.36	0.00	1.00

### Categorical Variable Codes

Value-----	R1IADLAA	R2IADLAA	R3IADLAA	R4IADLAA	R5IADLAA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	11386	8934	9228	10449	9683
1.Yes	522	495	534	592	583

Value-----	R6IADLAA	R7IADLAA	R8IADLAA	R9IADLAA
.d:DK	2	2		4
.r:Refuse	3		2	1
0.No	10007	9128	7946	8177
1.Yes	589	536	497	554

Value-----	S1IADLAA	S2IADLAA	S3IADLAA	S4IADLAA	S5IADLAA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7640	5894	6135	7086	6665
1.Yes	296	281	245	308	292

Value-----	S6IADLAA	S7IADLAA	S8IADLAA	S9IADLAA
.d:DK	1	2		3
.r:Refuse	2		2	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.No	6943	6298	5424	5540
1.Yes	296	260	262	277

Value-----	R1IADLFOURA	R2IADLFOURA	R3IADLFOURA	R4IADLFOURA	R5IADLFOURA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	10552	8274	8615	9801	9055
1.Yes	1356	1155	1147	1240	1211

Value-----	R6IADLFOURA	R7IADLFOURA	R8IADLFOURA	R9IADLFOURA
.d:DK	2	2		4
.r:Refuse	3		2	1
0.No	9376	8606	7458	7755
1.Yes	1220	1058	985	976

Value-----	S1IADLFOURA	S2IADLFOURA	S3IADLFOURA	S4IADLFOURA	S5IADLFOURA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7248	5603	5856	6806	6417
1.Yes	688	572	524	588	540

Value-----	S6IADLFOURA	S7IADLFOURA	S8IADLFOURA	S9IADLFOURA
.d:DK	1	2		3
.r:Refuse	2		2	
.u:Unmar	2802	2548	2255	2286

.v:SP NR	557	558	502	630	
0.No	6686	6060	5216	5364	
1.Yes	553	498	470	453	
Value-----	R1IADLZAA	R2IADLZAA	R3IADLZAA	R4IADLZAA	R5IADLZAA
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	10470	8205	8550	9712	8979
1.Yes	1438	1224	1212	1329	1287
Value-----	R6IADLZAA	R7IADLZAA	R8IADLZAA	R9IADLZAA	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	9314	8544	7397	7686	
1.Yes	1282	1120	1046	1045	
Value-----	S1IADLZAA	S2IADLZAA	S3IADLZAA	S4IADLZAA	S5IADLZAA
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7183	5552	5817	6744	6361
1.Yes	753	623	563	650	596
Value-----	S6IADLZAA	S7IADLZAA	S8IADLZAA	S9IADLZAA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6634	6013	5168	5315	
1.Yes	605	545	518	502	
Value-----	R1IADLTOT1A_E	R2IADLTOT1A_E	R3IADLTOT1A_E	R4IADLTOT1A_E	R5IADLTOT1A_E
.d:DK	12	1		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	2		7	5
0.No	9412	7299	7807	8825	8154
1.Yes	2496	2130	1955	2216	2112
Value-----	R6IADLTOT1A_E	R7IADLTOT1A_E	R8IADLTOT1A_E	R9IADLTOT1A_E	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	8515	7837	6721	7066	
1.Yes	2081	1827	1722	1665	
Value-----	S1IADLTOT1A_E	S2IADLTOT1A_E	S3IADLTOT1A_E	S4IADLTOT1A_E	S5IADLTOT1A_E
.d:DK	9	1		2	3
.m:Missing			2		
.p:proxy	122				
.r:Refuse	3	2		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	6578	5052	5427	6264	5879
1.Yes	1358	1123	953	1130	1078
Value-----	S6IADLTOT1A_E	S7IADLTOT1A_E	S8IADLTOT1A_E	S9IADLTOT1A_E	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6141	5619	4789	4965	
1.Yes	1098	939	897	852	
Value-----				R4IADLTOT2A_E	R5IADLTOT2A_E
.d:DK				2	3
.r:Refuse				7	5

0.No				8684	8046
1.Yes				2357	2220
Value-----	R6IADLTOT2A_E	R7IADLTOT2A_E	R8IADLTOT2A_E	R9IADLTOT2A_E	
.d:DK	2	2		4	
.r:Refuse	3		2	1	
0.No	8402	7750	6650	6970	
1.Yes	2194	1914	1793	1761	
Value-----				S4IADLTOT2A_E	S5IADLTOT2A_E
.d:DK				2	3
.r:Refuse				6	4
.u:Unmar				2932	2742
.v:SP NR				716	568
0.No				6160	5803
1.Yes				1234	1154
Value-----	S6IADLTOT2A_E	S7IADLTOT2A_E	S8IADLTOT2A_E	S9IADLTOT2A_E	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6063	5556	4739	4901	
1.Yes	1176	1002	947	916	

## How Constructed

Five Instrumental Activities of Daily Living (IADL) summaries are derived. One (RwIADLA) summarizes the commonly used IADLs, using the phone, managing money, and taking medications. The second (RwIADLFOUR) summarizes managing money, taking medications, shopping for groceries and preparing hot meals. The third (RwIADLZA) summarizes using the phone, managing money, taking medications, shopping for groceries, and preparing hot meals. The fourth (RwIADLTOT1\_E) summarizes seven IADLs: using the phone, managing money, taking medications, shopping for groceries, preparing hot meals, using a map, and doing housework. The fifth (RwIADLTOT2\_E) is available starting in Wave 4 and summarizes nine IADLs: using the phone, managing money, taking medications, shopping for groceries, preparing hot meals, using a map, doing housework, recognizing when in danger, and communicating. All of these summary measures use the "some difficulty" versions of the individual items. Each limitation adds one to the summary measure, that is:

RwIADLA = sum (RwPHONEA, RwmONEYA, RwmEDSA)

RwIADLFOUR = sum (RwmONEYA, RwmEDSA, RwsHOPA, RwmEALSA)

RwIADLZA = sum (RwPHONEA, RwmONEYA, RwmEDSA, RwsHOPA, RwmEALSA)

RwIADLTOT1\_E = sum (RwPHONEA, RwmONEYA, RwmEDSA, RwsHOPA, RwmEALSA, RwmAPA, RwhOUSEWKA)

RwIADLTOT2\_E = sum (RwPHONEA, RwmONEYA, RwmEDSA, RwsHOPA, RwmEALSA, RwmAPA, RwhOUSEWKA, RwdANGERA, RwCOMMUNA)

RwIADLA, RwIADLFOUR, RwIADLZA, RwIADLTOT1\_E, and RwIADLTOT2\_E are calculated as long as at least one of the comprising measures is not missing. Don't know, refused, or other missing responses to the components of RwIADLA, RwIADLFOUR, RwIADLZA, RwIADLTOT1\_E, and RwIADLTOT2\_E are assigned special missing .d, .r, .m, respectively. A special missing value of .p is used when at least one of the component measures was skipped because the interview was by proxy in Wave 1. RwIADLA, RwIADLFOUR, RwIADLZA, RwIADLTOT1\_E, and RwIADLTOT2\_E are assigned plain missing (.) if the respondent did not participate in the current wave.

SwIADLA, SwIADLFOUR, SwIADLZA, SwIADLTOT1\_E, and SwIADLTOT2\_E are taken directly from the spouse's values of RwIADLA, RwIADLFOUR, RwIADLZA, RwIADLTOT1\_E, and RwIADLTOT2\_E respectively. In addition to the special missing codes employed by RwIADLA, RwIADLFOUR, RwIADLZA, RwIADLTOT1\_E, and RwIADLTOT2\_E, SwIADLA, SwIADLFOUR, SwIADLZA, SwIADLTOT1\_E, and SwIADLTOT2\_E employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwIADLAM indicates how many individual measures used to derive RwiADLA are missing. RwiADLFOURM indicates how many individual measures used to derive RwiADLFOUR are missing. RwiADLZAM indicates how many individual measures used to derive RwiADLZA are missing. RwiADLTOT1M\_E indicates how many individual measures used to derive RwiADLTOT1M\_E are missing. RwiADLTOT2M\_E indicates how many individual measures used to derive RwiADLTOT2M\_E are missing. RwiADLAM, RwiADLFOURM, RwiADLZAM, RwiADLTOT1M\_E, and RwiADLTOT2M\_E are assigned plain missing (.) if the respondent did not participate in the current wave.

SwIADLAM, SwIADLFOURM, SwIADLZAM, SwIADLTOT1M\_E, and SwIADLTOT2M\_E indicate how many individual measures used to derive SwIADLA, SwIADLFOUR, SwIADLZA, SwIADLTOT1\_E, and SwIADLTOT2\_E are missing. SwIADLAM, SwIADLFOURM, SwIADLZAM, SwIADLTOT1M\_E, and SwIADLTOT2M\_E are taken directly from the spouse's values of RwiADLAM, RwiADLFOURM, RwiADLZAM, RwiADLTOT1M\_E, and RwiADLTOT2M\_E. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwiADLAA indicates whether the respondent experiences difficulty with any of the three IADL activities listed above. RwiADLFOURA indicates whether the respondent experiences difficulty with any of the four IADL activities listed above. RwiADLZAA indicates whether the respondent experiences difficulty with any of the five IADL activities listed above. RwiADLTOT1A\_E indicates whether the respondent experiences difficulty with any of the seven IADL activities listed above. RwiADLTOT2A\_E indicates whether the respondent experiences difficulty with any of the nine IADL activities listed above. These variables are assigned a value of 0 if the respondent has no difficulty with the activities, and are assigned a value of 1 if the respondent has difficulty with at least one of the activities. Don't know, refused, or other missing responses to the components of RwiADLAA, RwiADLFOURA, RwiADLZAA, RwiADLTOT1A\_E, and RwiADLTOT2A\_E are assigned special missing .d, .r, .m, respectively. A special missing value of .p is used when at least one of the component measures was skipped because the interview was by proxy in Wave 1. RwiADLAA, RwiADLFOURA, RwiADLZAA, RwiADLTOT1A\_E, and RwiADLTOT2A\_E are assigned plain missing (.) if the respondent did not participate in the current wave.

SwIADLAA, SwIADLFOURA, SwIADLZAA, SwIADLTOT1A\_E, and SwIADLTOT2A\_E indicates whether the respondent's spouse experiences any difficulty with the respective IADLs and are taken directly from RwiADLAA, RwiADLFOURA, RwiADLZAA, RwiADLTOT1A\_E, and RwiADLTOT2A\_E, respectively. In addition to the special missing codes employed by RwiADLAA, RwiADLFOURA, RwiADLZAA, RwiADLTOT1A\_E, and RwiADLTOT2A\_E, SwIADLAA, SwIADLFOURA, SwIADLZAA, SwIADLTOT1A\_E, and SwIADLTOT2A\_E employ two additional missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave.

Please see "Instrumental Activities of Daily Living (IADLs): Some difficulty" for a description of how the individual variables (RwPHONEA, RwmONEYA, RwmEDSA, RwsHOPA, RwmEALSA, RwmAPA, RwhOUSEWKA, RwdANGERA, and RwCOMMUNA) are constructed.

## Cross Wave Differences in ELSA

Respondents are asked about difficulty with recognizing when in danger and with communicating starting in Wave 4. As such, RwiADLTOT2\_E, RwiADLTOT2M\_E, and RwiADLTOT2A\_E are available starting in Wave 4.

## Differences with the RAND HRS/Harmonized HRS

ELSA asks about difficulty doing housework, recognizing when in physical danger, and with communication, which are not asked in the HRS, resulting in different summaries for the total number of IADLs.

## ELSA Variables Used

Wave 1 Core:

HEADB01	because of a health or memory problem, do you have any
HEADB02	because of a health or memory problem, do you have any
HEADB03	because of a health or memory problem, do you have any
HEADB04	because of a health or memory problem, do you have any
HEADB05	because of a health or memory problem, do you have any
HEADB06	because of a health or memory problem, do you have any
HEADB07	because of a health or memory problem, do you have any
HEADB08	because of a health or memory problem, do you have any
HEADB09	because of a health or memory problem, do you have any
HEADB10	because of a health or memory problem, do you have any

HEADB11	because of a health or memory problem, do you have any
HEADB12	because of a health or memory problem, do you have any
HEADB13	because of a health or memory problem, do you have any
HEADB14	because of a health or memory problem, do you have any
Wave 2 Core:	
HEADB01	IADL: activity has problem with due to health/physical p
HEADB02	IADL: activity has problem with due to health/physical p
HEADB03	IADL: activity has problem with due to health/physical p
HEADB04	IADL: activity has problem with due to health/physical p
HEADB05	IADL: activity has problem with due to health/physical p
HEADB06	IADL: activity has problem with due to health/physical p
HEADB07	IADL: activity has problem with due to health/physical p
HEADB08	IADL: activity has problem with due to health/physical p
HEADB09	IADL: activity has problem with due to health/physical p
HEADB10	IADL: activity has problem with due to health/physical p
HEADB11	IADL: activity has problem with due to health/physical p
HEADB12	IADL: activity has problem with due to health/physical p
HEADB13	IADL: activity has problem with due to health/physical p
Wave 3 Core:	
HEADLHO	iadl: difficulty doing work around house and garden
HEADLMA	iadl: difficulty using map to figure out how to get arou
HEADLME	iadl: difficulty taking medications
HEADLMO	iadl: difficulty managing money, eg paying bills,keeping
HEADLPH	iadl: difficulty making telephone calls
HEADLPR	iadl: difficulty preparing a hot meal
HEADLSH	iadl: difficulty shopping for groceries
Wave 4 Core:	
HEADLCO	iadl: communication (speech, hearing or eyesight)
HEADLDA	iadl: recognising when in physical danger
HEADLHO	iadl: doing work around the house or garden
HEADLMA	iadl: difficulty using map to figure out how to get arou
HEADLME	iadl: taking medications
HEADLMO	iadl: managing money, such as bills and expenses
HEADLPR	iadl: preparing a hot meal
HEADLSH	iadl: shopping for groceries
HEADLTE	iadl: making telephone calls
Wave 5 Core:	
HEADLCO	IADL: communication (speech, hearing or eyesight)
HEADLDA	IADL: recognising when in physical danger
HEADLHO	IADL: difficulty doing work around house and garden
HEADLMA	IADL: difficulty using map to figure out how to get arou
HEADLME	IADL: difficulty taking medications
HEADLMO	IADL: difficulty managing money, eg paying bills,keeping
HEADLPR	IADL: difficulty preparing a hot meal
HEADLSH	IADL: difficulty shopping for groceries
HEADLTE	IADL: difficulty making telephone calls
Wave 6 Core:	
HEADLCO	iadl: difficulty with communication (speech, hearing or
HEADLDA	iadl: difficulty recognising when in physical danger
HEADLHO	doing work around the house or garden
HEADLMA	iadl: difficulty using map to figure out how to get arou
HEADLME	iadl: difficulty taking medications
HEADLMO	managing money, such as paying bills and keeping track
HEADLPH	iadl: difficulty making telephone calls
HEADLPR	iadl: difficulty preparing a hot meal
HEADLSH	iadl: difficulty shopping for groceries
Wave 7 Core:	
HEADLDA	iadl: difficulty recognising when in physical danger
HEADLHO	doing work around the house or garden
HEADLMA	iadl: difficulty using map to figure out how to get arou
HEADLME	iadl: difficulty taking medications
HEADLMO	managing money, such as paying bills and keeping track
HEADLPH	iadl: difficulty making telephone calls



HEADLPR	iadl: difficulty preparing a hot meal
HEADLSH	iadl: difficulty shopping for groceries
HEADLSP	iadl: difficulty with communication (speech, hearing or
Wave 8 Core:	
HEADLDA	iadl: difficulty recognising when in physical danger
HEADLHO	iadl: difficulty doing work around house and garden
HEADLMA	iadl: difficulty using map to figure out how to get arou
HEADLME	iadl: difficulty taking medications
HEADLMO	iadl: difficulty managing money, e.g. paying bills, keep
HEADLPH	iadl: difficulty making telephone calls
HEADLPR	iadl: difficulty preparing a hot meal
HEADLSH	iadl: difficulty shopping for groceries
HEADLSP	iadl: difficulty with communication (speech, hearing or
Wave 9 Core:	
HEADLDA	IADL: difficulty recognising when in physical danger
HEADLHO	IADL: difficulty doing work around house and garden
HEADLMA	IADL: difficulty using map to figure out how to get arou
HEADLME	IADL: difficulty taking medications
HEADLMO	IADL: difficulty managing money, e.g. paying bills, keep
HEADLPH	IADL: difficulty making telephone calls
HEADLPR	IADL: difficulty preparing a hot meal
HEADLSH	IADL: difficulty shopping for groceries
HEADLSP	IADL: difficulty with communication (speech, hearing or

<b>Other Summary Indices: Mobility, Large Muscle, Gross Fine Motor Activities</b>
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Wave	Variable	Label	Type
1	R1MOBILB	r1mobilb:w1 R Some Diff-Mobility /0-4	Cont
2	R2MOBILB	r2mobilb:w2 R Some Diff-Mobility /0-4	Cont
3	R3MOBILB	r3mobilb:w3 R Some Diff-Mobility /0-4	Cont
4	R4MOBILB	r4mobilb:w4 R Some Diff-Mobility /0-4	Cont
5	R5MOBILB	r5mobilb:w5 R Some Diff-Mobility /0-4	Cont
6	R6MOBILB	r6mobilb:w6 R Some Diff-Mobility /0-4	Cont
7	R7MOBILB	r7mobilb:w7 R Some Diff-Mobility /0-4	Cont
8	R8MOBILB	r8mobilb:w8 R Some Diff-Mobility /0-4	Cont
9	R9MOBILB	r9mobilb:w9 R Some Diff-Mobility /0-4	Cont
1	S1MOBILB	s1mobilb:w1 S Some Diff-Mobility /0-4	Cont
2	S2MOBILB	s2mobilb:w2 S Some Diff-Mobility /0-4	Cont
3	S3MOBILB	s3mobilb:w3 S Some Diff-Mobility /0-4	Cont
4	S4MOBILB	s4mobilb:w4 S Some Diff-Mobility /0-4	Cont
5	S5MOBILB	s5mobilb:w5 S Some Diff-Mobility /0-4	Cont
6	S6MOBILB	s6mobilb:w6 S Some Diff-Mobility /0-4	Cont
7	S7MOBILB	s7mobilb:w7 S Some Diff-Mobility /0-4	Cont
8	S8MOBILB	s8mobilb:w8 S Some Diff-Mobility /0-4	Cont
9	S9MOBILB	s9mobilb:w9 S Some Diff-Mobility /0-4	Cont
1	R1MOBILBM	r1mobilbm:w1 R Missings in Some Diff-Mobility /0-4	Cont
2	R2MOBILBM	r2mobilbm:w2 R Missings in Some Diff-Mobility /0-4	Cont
3	R3MOBILBM	r3mobilbm:w3 R Missings in Some Diff-Mobility /0-4	Cont
4	R4MOBILBM	r4mobilbm:w4 R Missings in Some Diff-Mobility /0-4	Cont
5	R5MOBILBM	r5mobilbm:w5 R Missings in Some Diff-Mobility /0-4	Cont
6	R6MOBILBM	r6mobilbm:w6 R Missings in Some Diff-Mobility /0-4	Cont
7	R7MOBILBM	r7mobilbm:w7 R Missings in Some Diff-Mobility /0-4	Cont
8	R8MOBILBM	r8mobilbm:w8 R Missings in Some Diff-Mobility /0-4	Cont
9	R9MOBILBM	r9mobilbm:w9 R Missings in Some Diff-Mobility /0-4	Cont
1	S1MOBILBM	s1mobilbm:w1 S Missings in some Diff-Mobility /0-4	Cont
2	S2MOBILBM	s2mobilbm:w2 S Missings in Some Diff-Mobility /0-4	Cont
3	S3MOBILBM	s3mobilbm:w3 S Missings in Some Diff-Mobility /0-4	Cont
4	S4MOBILBM	s4mobilbm:w4 S Missings in Some Diff-Mobility /0-4	Cont
5	S5MOBILBM	s5mobilbm:w5 S Missings in Some Diff-Mobility /0-4	Cont
6	S6MOBILBM	s6mobilbm:w6 S Missings in Some Diff-Mobility /0-4	Cont
7	S7MOBILBM	s7mobilbm:w7 S Missings in Some Diff-Mobility /0-4	Cont
8	S8MOBILBM	s8mobilbm:w8 S Missings in Some Diff-Mobility /0-4	Cont
9	S9MOBILBM	s9mobilbm:w9 S Missings in Some Diff-Mobility /0-4	Cont
1	R1MOBILBA	r1mobilba:w1 whether R has Any Diff-Mobility:4-item	Categ
2	R2MOBILBA	r2mobilba:w2 whether R has Any Diff-Mobility:4-item	Categ
3	R3MOBILBA	r3mobilba:w3 whether R has Any Diff-Mobility:4-item	Categ
4	R4MOBILBA	r4mobilba:w4 whether R has Any Diff-Mobility:4-item	Categ
5	R5MOBILBA	r5mobilba:w5 whether R has Any Diff-Mobility:4-item	Categ
6	R6MOBILBA	r6mobilba:w6 whether R has Any Diff-Mobility:4-item	Categ
7	R7MOBILBA	r7mobilba:w7 whether R has Any Diff-Mobility:4-item	Categ
8	R8MOBILBA	r8mobilba:w8 whether R has Any Diff-Mobility:4-item	Categ
9	R9MOBILBA	r9mobilba:w9 whether R has Any Diff-Mobility:4-item	Categ
1	S1MOBILBA	s1mobilba:w1 whether S has Any Diff-Mobility:4-item	Categ
2	S2MOBILBA	s2mobilba:w2 whether S has Any Diff-Mobility:4-item	Categ
3	S3MOBILBA	s3mobilba:w3 whether S has Any Diff-Mobility:4-item	Categ
4	S4MOBILBA	s4mobilba:w4 whether S has Any Diff-Mobility:4-item	Categ
5	S5MOBILBA	s5mobilba:w5 whether S has Any Diff-Mobility:4-item	Categ
6	S6MOBILBA	s6mobilba:w6 whether S has Any Diff-Mobility:4-item	Categ
7	S7MOBILBA	s7mobilba:w7 whether S has Any Diff-Mobility:4-item	Categ

8	S8MOBILBA	s8mobilba:w8	whether S has Any Diff-Mobility:4-item	Categ
9	S9MOBILBA	s9mobilba:w9	whether S has Any Diff-Mobility:4-item	Categ
1	R1MOBILSEV	r1mobilsev:w1	R Some Diff-Mobility /0-7	Cont
2	R2MOBILSEV	r2mobilsev:w2	R Some Diff-Mobility /0-7	Cont
3	R3MOBILSEV	r3mobilsev:w3	R Some Diff-Mobility /0-7	Cont
4	R4MOBILSEV	r4mobilsev:w4	R Some Diff-Mobility /0-7	Cont
5	R5MOBILSEV	r5mobilsev:w5	R Some Diff-Mobility /0-7	Cont
6	R6MOBILSEV	r6mobilsev:w6	R Some Diff-Mobility /0-7	Cont
7	R7MOBILSEV	r7mobilsev:w7	R Some Diff-Mobility /0-7	Cont
8	R8MOBILSEV	r8mobilsev:w8	R Some Diff-Mobility /0-7	Cont
9	R9MOBILSEV	r9mobilsev:w9	R Some Diff-Mobility /0-7	Cont
1	S1MOBILSEV	s1mobilsev:w1	S Some Diff-Mobility /0-7	Cont
2	S2MOBILSEV	s2mobilsev:w2	S Some Diff-Mobility /0-7	Cont
3	S3MOBILSEV	s3mobilsev:w3	S Some Diff-Mobility /0-7	Cont
4	S4MOBILSEV	s4mobilsev:w4	S Some Diff-Mobility /0-7	Cont
5	S5MOBILSEV	s5mobilsev:w5	S Some Diff-Mobility /0-7	Cont
6	S6MOBILSEV	s6mobilsev:w6	S Some Diff-Mobility /0-7	Cont
7	S7MOBILSEV	s7mobilsev:w7	S Some Diff-Mobility /0-7	Cont
8	S8MOBILSEV	s8mobilsev:w8	S Some Diff-Mobility /0-7	Cont
9	S9MOBILSEV	s9mobilsev:w9	S Some Diff-Mobility /0-7	Cont
1	R1MOBILSEVM	r1mobilsevm:w1	R Missings in Some Diff-Mobility /0-7	Cont
2	R2MOBILSEVM	r2mobilsevm:w2	R Missings in Some Diff-Mobility /0-7	Cont
3	R3MOBILSEVM	r3mobilsevm:w3	R Missings in Some Diff-Mobility /0-7	Cont
4	R4MOBILSEVM	r4mobilsevm:w4	R Missings in Some Diff-Mobility /0-7	Cont
5	R5MOBILSEVM	r5mobilsevm:w5	R Missings in Some Diff-Mobility /0-7	Cont
6	R6MOBILSEVM	r6mobilsevm:w6	R Missings in Some Diff-Mobility /0-7	Cont
7	R7MOBILSEVM	r7mobilsevm:w7	R Missings in Some Diff-Mobility /0-7	Cont
8	R8MOBILSEVM	r8mobilsevm:w8	R Missings in Some Diff-Mobility /0-7	Cont
9	R9MOBILSEVM	r9mobilsevm:w9	R Missings in Some Diff-Mobility /0-7	Cont
1	S1MOBILSEVM	s1mobilsevm:w1	S Missings in some Diff-Mobility /0-7	Cont
2	S2MOBILSEVM	s2mobilsevm:w2	S Missings in some Diff-Mobility /0-7	Cont
3	S3MOBILSEVM	s3mobilsevm:w3	S Missings in some Diff-Mobility /0-7	Cont
4	S4MOBILSEVM	s4mobilsevm:w4	S Missings in some Diff-Mobility /0-7	Cont
5	S5MOBILSEVM	s5mobilsevm:w5	S Missings in some Diff-Mobility /0-7	Cont
6	S6MOBILSEVM	s6mobilsevm:w6	S Missings in some Diff-Mobility /0-7	Cont
7	S7MOBILSEVM	s7mobilsevm:w7	S Missings in some Diff-Mobility /0-7	Cont
8	S8MOBILSEVM	s8mobilsevm:w8	S Missings in some Diff-Mobility /0-7	Cont
9	S9MOBILSEVM	s9mobilsevm:w9	S Missings in some Diff-Mobility /0-7	Cont
1	R1MOBILSEVA	r1mobilseva:w1	whether R has Any Diff-Mobility:7-item	Categ
2	R2MOBILSEVA	r2mobilseva:w2	whether R has Any Diff-Mobility:7-item	Categ
3	R3MOBILSEVA	r3mobilseva:w3	whether R has Any Diff-Mobility:7-item	Categ
4	R4MOBILSEVA	r4mobilseva:w4	whether R has Any Diff-Mobility:7-item	Categ
5	R5MOBILSEVA	r5mobilseva:w5	whether R has Any Diff-Mobility:7-item	Categ
6	R6MOBILSEVA	r6mobilseva:w6	whether R has Any Diff-Mobility:7-item	Categ
7	R7MOBILSEVA	r7mobilseva:w7	whether R has Any Diff-Mobility:7-item	Categ
8	R8MOBILSEVA	r8mobilseva:w8	whether R has Any Diff-Mobility:7-item	Categ
9	R9MOBILSEVA	r9mobilseva:w9	whether R has Any Diff-Mobility:7-item	Categ
1	S1MOBILSEVA	s1mobilseva:w1	whether S has Any Diff-Mobility:7-item	Categ
2	S2MOBILSEVA	s2mobilseva:w2	whether S has Any Diff-Mobility:7-item	Categ
3	S3MOBILSEVA	s3mobilseva:w3	whether S has Any Diff-Mobility:7-item	Categ
4	S4MOBILSEVA	s4mobilseva:w4	whether S has Any Diff-Mobility:7-item	Categ
5	S5MOBILSEVA	s5mobilseva:w5	whether S has Any Diff-Mobility:7-item	Categ
6	S6MOBILSEVA	s6mobilseva:w6	whether S has Any Diff-Mobility:7-item	Categ
7	S7MOBILSEVA	s7mobilseva:w7	whether S has Any Diff-Mobility:7-item	Categ
8	S8MOBILSEVA	s8mobilseva:w8	whether S has Any Diff-Mobility:7-item	Categ
9	S9MOBILSEVA	s9mobilseva:w9	whether S has Any Diff-Mobility:7-item	Categ

1	R1LGMUSA	r1lgmusa:w1	R	Some Diff-Large muscle /0-4	Cont
2	R2LGMUSA	r2lgmusa:w2	R	Some Diff-Large muscle /0-4	Cont
3	R3LGMUSA	r3lgmusa:w3	R	Some Diff-Large muscle /0-4	Cont
4	R4LGMUSA	r4lgmusa:w4	R	Some Diff-Large muscle /0-4	Cont
5	R5LGMUSA	r5lgmusa:w5	R	Some Diff-Large muscle /0-4	Cont
6	R6LGMUSA	r6lgmusa:w6	R	Some Diff-Large muscle /0-4	Cont
7	R7LGMUSA	r7lgmusa:w7	R	Some Diff-Large muscle /0-4	Cont
8	R8LGMUSA	r8lgmusa:w8	R	Some Diff-Large muscle /0-4	Cont
9	R9LGMUSA	r9lgmusa:w9	R	Some Diff-Large muscle /0-4	Cont
1	S1LGMUSA	s1lgmusa:w1	S	Some Diff-Large muscle /0-4	Cont
2	S2LGMUSA	s2lgmusa:w2	S	Some Diff-Large muscle /0-4	Cont
3	S3LGMUSA	s3lgmusa:w3	S	Some Diff-Large muscle /0-4	Cont
4	S4LGMUSA	s4lgmusa:w4	S	Some Diff-Large muscle /0-4	Cont
5	S5LGMUSA	s5lgmusa:w5	S	Some Diff-Large muscle /0-4	Cont
6	S6LGMUSA	s6lgmusa:w6	S	Some Diff-Large muscle /0-4	Cont
7	S7LGMUSA	s7lgmusa:w7	S	Some Diff-Large muscle /0-4	Cont
8	S8LGMUSA	s8lgmusa:w8	S	Some Diff-Large muscle /0-4	Cont
9	S9LGMUSA	s9lgmusa:w9	S	Some Diff-Large muscle /0-4	Cont
1	R1LGMUSAM	r1lgmusam:w1	R	Missings in Some Diff-Large muscle /0-4	Cont
2	R2LGMUSAM	r2lgmusam:w2	R	Missings in Some Diff-Large muscle /0-4	Cont
3	R3LGMUSAM	r3lgmusam:w3	R	Missings in Some Diff-Large muscle /0-4	Cont
4	R4LGMUSAM	r4lgmusam:w4	R	Missings in Some Diff-Large muscle /0-4	Cont
5	R5LGMUSAM	r5lgmusam:w5	R	Missings in Some Diff-Large muscle /0-4	Cont
6	R6LGMUSAM	r6lgmusam:w6	R	Missings in Some Diff-Large muscle /0-4	Cont
7	R7LGMUSAM	r7lgmusam:w7	R	Missings in Some Diff-Large muscle /0-4	Cont
8	R8LGMUSAM	r8lgmusam:w8	R	Missings in Some Diff-Large muscle /0-4	Cont
9	R9LGMUSAM	r9lgmusam:w9	R	Missings in Some Diff-Large muscle /0-4	Cont
1	S1LGMUSAM	s1lgmusam:w1	S	Missings in Some Diff-Large muscle /0-4	Cont
2	S2LGMUSAM	s2lgmusam:w2	S	Missings in Some Diff-Large muscle /0-4	Cont
3	S3LGMUSAM	s3lgmusam:w3	S	Missings in Some Diff-Large muscle /0-4	Cont
4	S4LGMUSAM	s4lgmusam:w4	S	Missings in Some Diff-Large muscle /0-4	Cont
5	S5LGMUSAM	s5lgmusam:w5	S	Missings in Some Diff-Large muscle /0-4	Cont
6	S6LGMUSAM	s6lgmusam:w6	S	Missings in Some Diff-Large muscle /0-4	Cont
7	S7LGMUSAM	s7lgmusam:w7	S	Missings in Some Diff-Large muscle /0-4	Cont
8	S8LGMUSAM	s8lgmusam:w8	S	Missings in Some Diff-Large muscle /0-4	Cont
9	S9LGMUSAM	s9lgmusam:w9	S	Missings in Some Diff-Large muscle /0-4	Cont
1	R1LGMUSAA	r1lgmusaa:w1	whether R has	Any Diff-Large muscle:4-item	Categ
2	R2LGMUSAA	r2lgmusaa:w2	whether R has	Any Diff-Large muscle:4-item	Categ
3	R3LGMUSAA	r3lgmusaa:w3	whether R has	Any Diff-Large muscle:4-item	Categ
4	R4LGMUSAA	r4lgmusaa:w4	whether R has	Any Diff-Large muscle:4-item	Categ
5	R5LGMUSAA	r5lgmusaa:w5	whether R has	Any Diff-Large muscle:4-item	Categ
6	R6LGMUSAA	r6lgmusaa:w6	whether R has	Any Diff-Large muscle:4-item	Categ
7	R7LGMUSAA	r7lgmusaa:w7	whether R has	Any Diff-Large muscle:4-item	Categ
8	R8LGMUSAA	r8lgmusaa:w8	whether R has	Any Diff-Large muscle:4-item	Categ
9	R9LGMUSAA	r9lgmusaa:w9	whether R has	Any Diff-Large muscle:4-item	Categ
1	S1LGMUSAA	s1lgmusaa:w1	whether S has	Any Diff-Large muscle:4-item	Categ
2	S2LGMUSAA	s2lgmusaa:w2	whether S has	Any Diff-Large muscle:4-item	Categ
3	S3LGMUSAA	s3lgmusaa:w3	whether S has	Any Diff-Large muscle:4-item	Categ
4	S4LGMUSAA	s4lgmusaa:w4	whether S has	Any Diff-Large muscle:4-item	Categ
5	S5LGMUSAA	s5lgmusaa:w5	whether S has	Any Diff-Large muscle:4-item	Categ
6	S6LGMUSAA	s6lgmusaa:w6	whether S has	Any Diff-Large muscle:4-item	Categ
7	S7LGMUSAA	s7lgmusaa:w7	whether S has	Any Diff-Large muscle:4-item	Categ
8	S8LGMUSAA	s8lgmusaa:w8	whether S has	Any Diff-Large muscle:4-item	Categ
9	S9LGMUSAA	s9lgmusaa:w9	whether S has	Any Diff-Large muscle:4-item	Categ
1	R1GROSSA	r1grossa:w1	R	Some Diff-Wk,rn,clmb,bd,bth /0-5	Cont
2	R2GROSSA	r2grossa:w2	R	Some Diff-Wk,rn,clmb,bd,bth /0-5	Cont
3	R3GROSSA	r3grossa:w3	R	Some Diff-Wk,rn,clmb,bd,bth /0-5	Cont

4	R4GROSSA	r4grossa:w4	R	Some	Diff-Wk,rn,clmb,bd,bth	/0-5	Cont	
5	R5GROSSA	r5grossa:w5	R	Some	Diff-Wk,rn,clmb,bd,bth	/0-5	Cont	
6	R6GROSSA	r6grossa:w6	R	Some	Diff-Wk,rn,clmb,bd,bth	/0-5	Cont	
7	R7GROSSA	r7grossa:w7	R	Some	Diff-Wk,rn,clmb,bd,bth	/0-5	Cont	
8	R8GROSSA	r8grossa:w8	R	Some	Diff-Wk,rn,clmb,bd,bth	/0-5	Cont	
9	R9GROSSA	r9grossa:w9	R	Some	Diff-Wk,rn,clmb,bd,bth	/0-5	Cont	
1	S1GROSSA	s1grossa:w1	S	Some	Diff-Wk,rn,clmb,bd,bth	/0-5	Cont	
2	S2GROSSA	s2grossa:w2	S	Some	Diff-Wk,rn,clmb,bd,bth	/0-5	Cont	
3	S3GROSSA	s3grossa:w3	S	Some	Diff-Wk,rn,clmb,bd,bth	/0-5	Cont	
4	S4GROSSA	s4grossa:w4	S	Some	Diff-Wk,rn,clmb,bd,bth	/0-5	Cont	
5	S5GROSSA	s5grossa:w5	S	Some	Diff-Wk,rn,clmb,bd,bth	/0-5	Cont	
6	S6GROSSA	s6grossa:w6	S	Some	Diff-Wk,rn,clmb,bd,bth	/0-5	Cont	
7	S7GROSSA	s7grossa:w7	S	Some	Diff-Wk,rn,clmb,bd,bth	/0-5	Cont	
8	S8GROSSA	s8grossa:w8	S	Some	Diff-Wk,rn,clmb,bd,bth	/0-5	Cont	
9	S9GROSSA	s9grossa:w9	S	Some	Diff-Wk,rn,clmb,bd,bth	/0-5	Cont	
1	R1GROSSAM	r1grossam:w1	R	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
2	R2GROSSAM	r2grossam:w2	R	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
3	R3GROSSAM	r3grossam:w3	R	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
4	R4GROSSAM	r4grossam:w4	R	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
5	R5GROSSAM	r5grossam:w5	R	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
6	R6GROSSAM	r6grossam:w6	R	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
7	R7GROSSAM	r7grossam:w7	R	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
8	R8GROSSAM	r8grossam:w8	R	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
9	R9GROSSAM	r9grossam:w9	R	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
1	S1GROSSAM	s1grossam:w1	S	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
2	S2GROSSAM	s2grossam:w2	S	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
3	S3GROSSAM	s3grossam:w3	S	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
4	S4GROSSAM	s4grossam:w4	S	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
5	S5GROSSAM	s5grossam:w5	S	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
6	S6GROSSAM	s6grossam:w6	S	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
7	S7GROSSAM	s7grossam:w7	S	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
8	S8GROSSAM	s8grossam:w8	S	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
9	S9GROSSAM	s9grossam:w9	S	Missings	in	Some	Diff-Wk,rn,clmb,bd,bth /0-5	Cont
1	R1GROSSAA	r1grossaa:w1	whether	R	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
2	R2GROSSAA	r2grossaa:w2	whether	R	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
3	R3GROSSAA	r3grossaa:w3	whether	R	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
4	R4GROSSAA	r4grossaa:w4	whether	R	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
5	R5GROSSAA	r5grossaa:w5	whether	R	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
6	R6GROSSAA	r6grossaa:w6	whether	R	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
7	R7GROSSAA	r7grossaa:w7	whether	R	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
8	R8GROSSAA	r8grossaa:w8	whether	R	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
9	R9GROSSAA	r9grossaa:w9	whether	R	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
1	S1GROSSAA	s1grossaa:w1	whether	S	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
2	S2GROSSAA	s2grossaa:w2	whether	S	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
3	S3GROSSAA	s3grossaa:w3	whether	S	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
4	S4GROSSAA	s4grossaa:w4	whether	S	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
5	S5GROSSAA	s5grossaa:w5	whether	S	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
6	S6GROSSAA	s6grossaa:w6	whether	S	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
7	S7GROSSAA	s7grossaa:w7	whether	S	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
8	S8GROSSAA	s8grossaa:w8	whether	S	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
9	S9GROSSAA	s9grossaa:w9	whether	S	has	Any	Diff-Wk,rn,clmb,bd,bth	Categ
1	R1FINEA	r1finea:w1	R	Some	Diff-Dime/eat/dress	/0-3	Cont	
2	R2FINEA	r2finea:w2	R	Some	Diff-Dime/eat/dress	/0-3	Cont	
3	R3FINEA	r3finea:w3	R	Some	Diff-Dime/eat/dress	/0-3	Cont	
4	R4FINEA	r4finea:w4	R	Some	Diff-Dime/eat/dress	/0-3	Cont	
5	R5FINEA	r5finea:w5	R	Some	Diff-Dime/eat/dress	/0-3	Cont	
6	R6FINEA	r6finea:w6	R	Some	Diff-Dime/eat/dress	/0-3	Cont	

7	R7FINEA	r7finea:w7	R	Some Diff-Dime/eat/dress	/0-3	Cont
8	R8FINEA	r8finea:w8	R	Some Diff-Dime/eat/dress	/0-3	Cont
9	R9FINEA	r9finea:w9	R	Some Diff-Dime/eat/dress	/0-3	Cont
1	S1FINEA	s1finea:w1	S	Some Diff-Dime/eat/dress	/0-3	Cont
2	S2FINEA	s2finea:w2	S	Some Diff-Dime/eat/dress	/0-3	Cont
3	S3FINEA	s3finea:w3	S	Some Diff-Dime/eat/dress	/0-3	Cont
4	S4FINEA	s4finea:w4	S	Some Diff-Dime/eat/dress	/0-3	Cont
5	S5FINEA	s5finea:w5	S	Some Diff-Dime/eat/dress	/0-3	Cont
6	S6FINEA	s6finea:w6	S	Some Diff-Dime/eat/dress	/0-3	Cont
7	S7FINEA	s7finea:w7	S	Some Diff-Dime/eat/dress	/0-3	Cont
8	S8FINEA	s8finea:w8	S	Some Diff-Dime/eat/dress	/0-3	Cont
9	S9FINEA	s9finea:w9	S	Some Diff-Dime/eat/dress	/0-3	Cont
1	R1FINEAM	r1fineam:w1	R	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
2	R2FINEAM	r2fineam:w2	R	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
3	R3FINEAM	r3fineam:w3	R	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
4	R4FINEAM	r4fineam:w4	R	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
5	R5FINEAM	r5fineam:w5	R	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
6	R6FINEAM	r6fineam:w6	R	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
7	R7FINEAM	r7fineam:w7	R	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
8	R8FINEAM	r8fineam:w8	R	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
9	R9FINEAM	r9fineam:w9	R	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
1	S1FINEAM	s1fineam:w1	S	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
2	S2FINEAM	s2fineam:w2	S	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
3	S3FINEAM	s3fineam:w3	S	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
4	S4FINEAM	s4fineam:w4	S	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
5	S5FINEAM	s5fineam:w5	S	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
6	S6FINEAM	s6fineam:w6	S	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
7	S7FINEAM	s7fineam:w7	S	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
8	S8FINEAM	s8fineam:w8	S	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
9	S9FINEAM	s9fineam:w9	S	Missings in Some Diff-Dime/eat/dress	/0-3	Cont
1	R1FINEAA	r1fineaa:w1	whether R has Any	Diff-Dime/eat/dress		Categ
2	R2FINEAA	r2fineaa:w2	whether R has Any	Diff-Dime/eat/dress		Categ
3	R3FINEAA	r3fineaa:w3	whether R has Any	Diff-Dime/eat/dress		Categ
4	R4FINEAA	r4fineaa:w4	whether R has Any	Diff-Dime/eat/dress		Categ
5	R5FINEAA	r5fineaa:w5	whether R has Any	Diff-Dime/eat/dress		Categ
6	R6FINEAA	r6fineaa:w6	whether R has Any	Diff-Dime/eat/dress		Categ
7	R7FINEAA	r7fineaa:w7	whether R has Any	Diff-Dime/eat/dress		Categ
8	R8FINEAA	r8fineaa:w8	whether R has Any	Diff-Dime/eat/dress		Categ
9	R9FINEAA	r9fineaa:w9	whether R has Any	Diff-Dime/eat/dress		Categ
1	S1FINEAA	s1fineaa:w1	whether S has Any	Diff-Dime/eat/dress		Categ
2	S2FINEAA	s2fineaa:w2	whether S has Any	Diff-Dime/eat/dress		Categ
3	S3FINEAA	s3fineaa:w3	whether S has Any	Diff-Dime/eat/dress		Categ
4	S4FINEAA	s4fineaa:w4	whether S has Any	Diff-Dime/eat/dress		Categ
5	S5FINEAA	s5fineaa:w5	whether S has Any	Diff-Dime/eat/dress		Categ
6	S6FINEAA	s6fineaa:w6	whether S has Any	Diff-Dime/eat/dress		Categ
7	S7FINEAA	s7fineaa:w7	whether S has Any	Diff-Dime/eat/dress		Categ
8	S8FINEAA	s8fineaa:w8	whether S has Any	Diff-Dime/eat/dress		Categ
9	S9FINEAA	s9fineaa:w9	whether S has Any	Diff-Dime/eat/dress		Categ
1	R1LOWERMOb	r1lowermob:w1	R	Some Diff-Lower Mobility	/0-4	Cont
2	R2LOWERMOb	r2lowermob:w2	R	Some Diff-Lower Mobility	/0-4	Cont
3	R3LOWERMOb	r3lowermob:w3	R	Some Diff-Lower Mobility	/0-4	Cont
4	R4LOWERMOb	r4lowermob:w4	R	Some Diff-Lower Mobility	/0-4	Cont
5	R5LOWERMOb	r5lowermob:w5	R	Some Diff-Lower Mobility	/0-4	Cont
6	R6LOWERMOb	r6lowermob:w6	R	Some Diff-Lower Mobility	/0-4	Cont
7	R7LOWERMOb	r7lowermob:w7	R	Some Diff-Lower Mobility	/0-4	Cont
8	R8LOWERMOb	r8lowermob:w8	R	Some Diff-Lower Mobility	/0-4	Cont
9	R9LOWERMOb	r9lowermob:w9	R	Some Diff-Lower Mobility	/0-4	Cont

1	S1LOWERMOB	s1lowermob:w1	S	Some Diff-Lower	Mobility /0-4	Cont
2	S2LOWERMOB	s2lowermob:w2	S	Some Diff-Lower	Mobility /0-4	Cont
3	S3LOWERMOB	s3lowermob:w3	S	Some Diff-Lower	Mobility /0-4	Cont
4	S4LOWERMOB	s4lowermob:w4	S	Some Diff-Lower	Mobility /0-4	Cont
5	S5LOWERMOB	s5lowermob:w5	S	Some Diff-Lower	Mobility /0-4	Cont
6	S6LOWERMOB	s6lowermob:w6	S	Some Diff-Lower	Mobility /0-4	Cont
7	S7LOWERMOB	s7lowermob:w7	S	Some Diff-Lower	Mobility /0-4	Cont
8	S8LOWERMOB	s8lowermob:w8	S	Some Diff-Lower	Mobility /0-4	Cont
9	S9LOWERMOB	s9lowermob:w9	S	Some Diff-Lower	Mobility /0-4	Cont
1	R1LOWERMOBM	r1lowermobm:w1	R	Missings in Some	Diff-Lower Mobility /0-4	Cont
2	R2LOWERMOBM	r2lowermobm:w2	R	Missings in Some	Diff-Lower Mobility /0-4	Cont
3	R3LOWERMOBM	r3lowermobm:w3	R	Missings in Some	Diff-Lower Mobility /0-4	Cont
4	R4LOWERMOBM	r4lowermobm:w4	R	Missings in Some	Diff-Lower Mobility /0-4	Cont
5	R5LOWERMOBM	r5lowermobm:w5	R	Missings in Some	Diff-Lower Mobility /0-4	Cont
6	R6LOWERMOBM	r6lowermobm:w6	R	Missings in Some	Diff-Lower Mobility /0-4	Cont
7	R7LOWERMOBM	r7lowermobm:w7	R	Missings in Some	Diff-Lower Mobility /0-4	Cont
8	R8LOWERMOBM	r8lowermobm:w8	R	Missings in Some	Diff-Lower Mobility /0-4	Cont
9	R9LOWERMOBM	r9lowermobm:w9	R	Missings in Some	Diff-Lower Mobility /0-4	Cont
1	S1LOWERMOBM	s1lowermobm:w1	S	Missings in some	Diff-Lower Mobility /0-4	Cont
2	S2LOWERMOBM	s2lowermobm:w2	S	Missings in some	Diff-Lower Mobility /0-4	Cont
3	S3LOWERMOBM	s3lowermobm:w3	S	Missings in some	Diff-Lower Mobility /0-4	Cont
4	S4LOWERMOBM	s4lowermobm:w4	S	Missings in some	Diff-Lower Mobility /0-4	Cont
5	S5LOWERMOBM	s5lowermobm:w5	S	Missings in some	Diff-Lower Mobility /0-4	Cont
6	S6LOWERMOBM	s6lowermobm:w6	S	Missings in some	Diff-Lower Mobility /0-4	Cont
7	S7LOWERMOBM	s7lowermobm:w7	S	Missings in some	Diff-Lower Mobility /0-4	Cont
8	S8LOWERMOBM	s8lowermobm:w8	S	Missings in some	Diff-Lower Mobility /0-4	Cont
9	S9LOWERMOBM	s9lowermobm:w9	S	Missings in some	Diff-Lower Mobility /0-4	Cont
1	R1LOWERMOBA	r1lowermoba:w1	whether R has	Any Diff-Lower	Mobility:4-item	Categ
2	R2LOWERMOBA	r2lowermoba:w2	whether R has	Any Diff-Lower	Mobility:4-item	Categ
3	R3LOWERMOBA	r3lowermoba:w3	whether R has	Any Diff-Lower	Mobility:4-item	Categ
4	R4LOWERMOBA	r4lowermoba:w4	whether R has	Any Diff-Lower	Mobility:4-item	Categ
5	R5LOWERMOBA	r5lowermoba:w5	whether R has	Any Diff-Lower	Mobility:4-item	Categ
6	R6LOWERMOBA	r6lowermoba:w6	whether R has	Any Diff-Lower	Mobility:4-item	Categ
7	R7LOWERMOBA	r7lowermoba:w7	whether R has	Any Diff-Lower	Mobility:4-item	Categ
8	R8LOWERMOBA	r8lowermoba:w8	whether R has	Any Diff-Lower	Mobility:4-item	Categ
9	R9LOWERMOBA	r9lowermoba:w9	whether R has	Any Diff-Lower	Mobility:4-item	Categ
1	S1LOWERMOBA	s1lowermoba:w1	whether S has	Any Diff-Lower	Mobility:4-item	Categ
2	S2LOWERMOBA	s2lowermoba:w2	whether S has	Any Diff-Lower	Mobility:4-item	Categ
3	S3LOWERMOBA	s3lowermoba:w3	whether S has	Any Diff-Lower	Mobility:4-item	Categ
4	S4LOWERMOBA	s4lowermoba:w4	whether S has	Any Diff-Lower	Mobility:4-item	Categ
5	S5LOWERMOBA	s5lowermoba:w5	whether S has	Any Diff-Lower	Mobility:4-item	Categ
6	S6LOWERMOBA	s6lowermoba:w6	whether S has	Any Diff-Lower	Mobility:4-item	Categ
7	S7LOWERMOBA	s7lowermoba:w7	whether S has	Any Diff-Lower	Mobility:4-item	Categ
8	S8LOWERMOBA	s8lowermoba:w8	whether S has	Any Diff-Lower	Mobility:4-item	Categ
9	S9LOWERMOBA	s9lowermoba:w9	whether S has	Any Diff-Lower	Mobility:4-item	Categ
1	R1UPPERMOB	r1uppermob:w1	R	Some Diff-Upper	Mobility /0-3	Cont
2	R2UPPERMOB	r2uppermob:w2	R	Some Diff-Upper	Mobility /0-3	Cont
3	R3UPPERMOB	r3uppermob:w3	R	Some Diff-Upper	Mobility /0-3	Cont
4	R4UPPERMOB	r4uppermob:w4	R	Some Diff-Upper	Mobility /0-3	Cont
5	R5UPPERMOB	r5uppermob:w5	R	Some Diff-Upper	Mobility /0-3	Cont
6	R6UPPERMOB	r6uppermob:w6	R	Some Diff-Upper	Mobility /0-3	Cont
7	R7UPPERMOB	r7uppermob:w7	R	Some Diff-Upper	Mobility /0-3	Cont
8	R8UPPERMOB	r8uppermob:w8	R	Some Diff-Upper	Mobility /0-3	Cont
9	R9UPPERMOB	r9uppermob:w9	R	Some Diff-Upper	Mobility /0-3	Cont
1	S1UPPERMOB	s1uppermob:w1	S	Some Diff-Upper	Mobility /0-3	Cont
2	S2UPPERMOB	s2uppermob:w2	S	Some Diff-Upper	Mobility /0-3	Cont

3	S3UPPERMOB	s3uppermob:w3	S	Some Diff-Upper Mobility /0-3	Cont
4	S4UPPERMOB	s4uppermob:w4	S	Some Diff-Upper Mobility /0-3	Cont
5	S5UPPERMOB	s5uppermob:w5	S	Some Diff-Upper Mobility /0-3	Cont
6	S6UPPERMOB	s6uppermob:w6	S	Some Diff-Upper Mobility /0-3	Cont
7	S7UPPERMOB	s7uppermob:w7	S	Some Diff-Upper Mobility /0-3	Cont
8	S8UPPERMOB	s8uppermob:w8	S	Some Diff-Upper Mobility /0-3	Cont
9	S9UPPERMOB	s9uppermob:w9	S	Some Diff-Upper Mobility /0-3	Cont

1	R1UPPERMOBM	r1uppermobm:w1	R	Missings in Some Diff-Upper Mobility /0-3	Cont
2	R2UPPERMOBM	r2uppermobm:w2	R	Missings in Some Diff-Upper Mobility /0-3	Cont
3	R3UPPERMOBM	r3uppermobm:w3	R	Missings in Some Diff-Upper Mobility /0-3	Cont
4	R4UPPERMOBM	r4uppermobm:w4	R	Missings in Some Diff-Upper Mobility /0-3	Cont
5	R5UPPERMOBM	r5uppermobm:w5	R	Missings in Some Diff-Upper Mobility /0-3	Cont
6	R6UPPERMOBM	r6uppermobm:w6	R	Missings in Some Diff-Upper Mobility /0-3	Cont
7	R7UPPERMOBM	r7uppermobm:w7	R	Missings in Some Diff-Upper Mobility /0-3	Cont
8	R8UPPERMOBM	r8uppermobm:w8	R	Missings in Some Diff-Upper Mobility /0-3	Cont
9	R9UPPERMOBM	r9uppermobm:w9	R	Missings in Some Diff-Upper Mobility /0-3	Cont

1	S1UPPERMOBM	s1uppermobm:w1	S	Missings in some Diff-Upper Mobility /0-3	Cont
2	S2UPPERMOBM	s2uppermobm:w2	S	Missings in some Diff-Upper Mobility /0-3	Cont
3	S3UPPERMOBM	s3uppermobm:w3	S	Missings in some Diff-Upper Mobility /0-3	Cont
4	S4UPPERMOBM	s4uppermobm:w4	S	Missings in some Diff-Upper Mobility /0-3	Cont
5	S5UPPERMOBM	s5uppermobm:w5	S	Missings in some Diff-Upper Mobility /0-3	Cont
6	S6UPPERMOBM	s6uppermobm:w6	S	Missings in some Diff-Upper Mobility /0-3	Cont
7	S7UPPERMOBM	s7uppermobm:w7	S	Missings in some Diff-Upper Mobility /0-3	Cont
8	S8UPPERMOBM	s8uppermobm:w8	S	Missings in some Diff-Upper Mobility /0-3	Cont
9	S9UPPERMOBM	s9uppermobm:w9	S	Missings in some Diff-Upper Mobility /0-3	Cont

1	R1UPPERMOBA	r1uppermoba:w1	whether R has	Any Diff-Upper Mobility:3-item	Categ
2	R2UPPERMOBA	r2uppermoba:w2	whether R has	Any Diff-Upper Mobility:3-item	Categ
3	R3UPPERMOBA	r3uppermoba:w3	whether R has	Any Diff-Upper Mobility:3-item	Categ
4	R4UPPERMOBA	r4uppermoba:w4	whether R has	Any Diff-Upper Mobility:3-item	Categ
5	R5UPPERMOBA	r5uppermoba:w5	whether R has	Any Diff-Upper Mobility:3-item	Categ
6	R6UPPERMOBA	r6uppermoba:w6	whether R has	Any Diff-Upper Mobility:3-item	Categ
7	R7UPPERMOBA	r7uppermoba:w7	whether R has	Any Diff-Upper Mobility:3-item	Categ
8	R8UPPERMOBA	r8uppermoba:w8	whether R has	Any Diff-Upper Mobility:3-item	Categ
9	R9UPPERMOBA	r9uppermoba:w9	whether R has	Any Diff-Upper Mobility:3-item	Categ

1	S1UPPERMOBA	s1uppermoba:w1	whether S has	Any Diff-Upper Mobility:3-item	Categ
2	S2UPPERMOBA	s2uppermoba:w2	whether S has	Any Diff-Upper Mobility:3-item	Categ
3	S3UPPERMOBA	s3uppermoba:w3	whether S has	Any Diff-Upper Mobility:3-item	Categ
4	S4UPPERMOBA	s4uppermoba:w4	whether S has	Any Diff-Upper Mobility:3-item	Categ
5	S5UPPERMOBA	s5uppermoba:w5	whether S has	Any Diff-Upper Mobility:3-item	Categ
6	S6UPPERMOBA	s6uppermoba:w6	whether S has	Any Diff-Upper Mobility:3-item	Categ
7	S7UPPERMOBA	s7uppermoba:w7	whether S has	Any Diff-Upper Mobility:3-item	Categ
8	S8UPPERMOBA	s8uppermoba:w8	whether S has	Any Diff-Upper Mobility:3-item	Categ
9	S9UPPERMOBA	s9uppermoba:w9	whether S has	Any Diff-Upper Mobility:3-item	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MOBILB	11908	0.66	1.04	0.00	4.00
R2MOBILB	9430	0.69	1.05	0.00	4.00
R3MOBILB	9764	0.64	1.04	0.00	4.00
R4MOBILB	11041	0.64	1.02	0.00	4.00
R5MOBILB	10266	0.67	1.07	0.00	4.00
R6MOBILB	10597	0.65	1.08	0.00	4.00
R7MOBILB	9664	0.63	1.08	0.00	4.00
R8MOBILB	8443	0.66	1.08	0.00	4.00
R9MOBILB	8731	0.61	1.06	0.00	4.00
S1MOBILB	7936	0.56	0.96	0.00	4.00



S2MOBILB	6176	0.58	0.98	0.00	4.00
S3MOBILB	6382	0.51	0.94	0.00	4.00
S4MOBILB	7394	0.51	0.91	0.00	4.00
S5MOBILB	6957	0.53	0.96	0.00	4.00
S6MOBILB	7240	0.51	0.96	0.00	4.00
S7MOBILB	6558	0.50	0.96	0.00	4.00
S8MOBILB	5686	0.53	0.96	0.00	4.00
S9MOBILB	5817	0.48	0.93	0.00	4.00
R1MOBILBM	12099	0.06	0.50	0.00	4.00
R2MOBILBM	9432	0.00	0.07	0.00	4.00
R3MOBILBM	9766	0.00	0.07	0.00	4.00
R4MOBILBM	11050	0.00	0.12	0.00	4.00
R5MOBILBM	10274	0.00	0.12	0.00	4.00
R6MOBILBM	10601	0.00	0.08	0.00	4.00
R7MOBILBM	9666	0.00	0.06	0.00	4.00
R8MOBILBM	8445	0.00	0.08	0.00	4.00
R9MOBILBM	8736	0.00	0.10	0.00	4.00
S1MOBILBM	8070	0.07	0.51	0.00	4.00
S2MOBILBM	6178	0.00	0.08	0.00	4.00
S3MOBILBM	6382	0.00	0.04	0.00	3.00
S4MOBILBM	7402	0.00	0.13	0.00	4.00
S5MOBILBM	6964	0.00	0.13	0.00	4.00
S6MOBILBM	7242	0.00	0.08	0.00	4.00
S7MOBILBM	6560	0.00	0.07	0.00	4.00
S8MOBILBM	5688	0.00	0.07	0.00	4.00
S9MOBILBM	5820	0.00	0.09	0.00	4.00
R1MOBILBA	11908	0.38	0.48	0.00	1.00
R2MOBILBA	9430	0.40	0.49	0.00	1.00
R3MOBILBA	9764	0.36	0.48	0.00	1.00
R4MOBILBA	11041	0.37	0.48	0.00	1.00
R5MOBILBA	10266	0.37	0.48	0.00	1.00
R6MOBILBA	10597	0.34	0.47	0.00	1.00
R7MOBILBA	9664	0.33	0.47	0.00	1.00
R8MOBILBA	8443	0.35	0.48	0.00	1.00
R9MOBILBA	8731	0.32	0.47	0.00	1.00
S1MOBILBA	7936	0.33	0.47	0.00	1.00
S2MOBILBA	6176	0.35	0.48	0.00	1.00
S3MOBILBA	6382	0.30	0.46	0.00	1.00
S4MOBILBA	7394	0.31	0.46	0.00	1.00
S5MOBILBA	6957	0.31	0.46	0.00	1.00
S6MOBILBA	7240	0.29	0.46	0.00	1.00
S7MOBILBA	6558	0.28	0.45	0.00	1.00
S8MOBILBA	5686	0.31	0.46	0.00	1.00
S9MOBILBA	5817	0.27	0.45	0.00	1.00
R1MOBILSEV	11908	1.50	1.86	0.00	7.00
R2MOBILSEV	9429	1.57	1.87	0.00	7.00
R3MOBILSEV	9762	1.46	1.87	0.00	7.00
R4MOBILSEV	11040	1.44	1.83	0.00	7.00
R5MOBILSEV	10265	1.52	1.90	0.00	7.00
R6MOBILSEV	10596	1.47	1.91	0.00	7.00
R7MOBILSEV	9664	1.44	1.90	0.00	7.00
R8MOBILSEV	8441	1.50	1.91	0.00	7.00
R9MOBILSEV	8730	1.39	1.87	0.00	7.00
S1MOBILSEV	7936	1.31	1.75	0.00	7.00
S2MOBILSEV	6175	1.36	1.76	0.00	7.00
S3MOBILSEV	6381	1.21	1.72	0.00	7.00
S4MOBILSEV	7394	1.22	1.69	0.00	7.00

S5MOBILSEV	6957	1.26	1.74	0.00	7.00
S6MOBILSEV	7239	1.24	1.75	0.00	7.00
S7MOBILSEV	6558	1.19	1.73	0.00	7.00
S8MOBILSEV	5686	1.26	1.74	0.00	7.00
S9MOBILSEV	5817	1.17	1.70	0.00	7.00
R1MOBILSEVM	12099	0.11	0.87	0.00	7.00
R2MOBILSEVM	9432	0.00	0.12	0.00	7.00
R3MOBILSEVM	9766	0.00	0.14	0.00	7.00
R4MOBILSEVM	11050	0.01	0.21	0.00	7.00
R5MOBILSEVM	10274	0.01	0.21	0.00	7.00
R6MOBILSEVM	10601	0.00	0.15	0.00	7.00
R7MOBILSEVM	9666	0.00	0.10	0.00	7.00
R8MOBILSEVM	8445	0.00	0.15	0.00	7.00
R9MOBILSEVM	8736	0.00	0.18	0.00	7.00
S1MOBILSEVM	8070	0.12	0.89	0.00	7.00
S2MOBILSEVM	6178	0.00	0.15	0.00	7.00
S3MOBILSEVM	6382	0.00	0.09	0.00	7.00
S4MOBILSEVM	7402	0.01	0.23	0.00	7.00
S5MOBILSEVM	6964	0.01	0.22	0.00	7.00
S6MOBILSEVM	7242	0.00	0.14	0.00	7.00
S7MOBILSEVM	6560	0.00	0.12	0.00	7.00
S8MOBILSEVM	5688	0.00	0.13	0.00	7.00
S9MOBILSEVM	5820	0.00	0.16	0.00	7.00
R1MOBILSEVA	11908	0.55	0.50	0.00	1.00
R2MOBILSEVA	9429	0.57	0.50	0.00	1.00
R3MOBILSEVA	9762	0.53	0.50	0.00	1.00
R4MOBILSEVA	11040	0.53	0.50	0.00	1.00
R5MOBILSEVA	10265	0.54	0.50	0.00	1.00
R6MOBILSEVA	10596	0.51	0.50	0.00	1.00
R7MOBILSEVA	9664	0.50	0.50	0.00	1.00
R8MOBILSEVA	8441	0.53	0.50	0.00	1.00
R9MOBILSEVA	8730	0.50	0.50	0.00	1.00
S1MOBILSEVA	7936	0.51	0.50	0.00	1.00
S2MOBILSEVA	6175	0.52	0.50	0.00	1.00
S3MOBILSEVA	6381	0.48	0.50	0.00	1.00
S4MOBILSEVA	7394	0.48	0.50	0.00	1.00
S5MOBILSEVA	6957	0.48	0.50	0.00	1.00
S6MOBILSEVA	7239	0.46	0.50	0.00	1.00
S7MOBILSEVA	6558	0.45	0.50	0.00	1.00
S8MOBILSEVA	5686	0.48	0.50	0.00	1.00
S9MOBILSEVA	5817	0.45	0.50	0.00	1.00
R1LGMUSA	11908	0.93	1.24	0.00	4.00
R2LGMUSA	9429	0.98	1.25	0.00	4.00
R3LGMUSA	9762	0.92	1.24	0.00	4.00
R4LGMUSA	11040	0.89	1.21	0.00	4.00
R5LGMUSA	10265	0.94	1.24	0.00	4.00
R6LGMUSA	10596	0.92	1.24	0.00	4.00
R7LGMUSA	9664	0.90	1.23	0.00	4.00
R8LGMUSA	8441	0.94	1.24	0.00	4.00
R9LGMUSA	8730	0.87	1.21	0.00	4.00
S1LGMUSA	7936	0.82	1.19	0.00	4.00
S2LGMUSA	6175	0.87	1.20	0.00	4.00
S3LGMUSA	6381	0.77	1.17	0.00	4.00
S4LGMUSA	7394	0.76	1.13	0.00	4.00
S5LGMUSA	6957	0.79	1.16	0.00	4.00
S6LGMUSA	7239	0.80	1.17	0.00	4.00
S7LGMUSA	6558	0.78	1.16	0.00	4.00

S8LGMUSA	5686	0.81	1.16	0.00	4.00
S9LGMUSA	5817	0.74	1.13	0.00	4.00
R1LGMUSAM	12099	0.06	0.50	0.00	4.00
R2LGMUSAM	9432	0.00	0.07	0.00	4.00
R3LGMUSAM	9766	0.00	0.08	0.00	4.00
R4LGMUSAM	11050	0.00	0.12	0.00	4.00
R5LGMUSAM	10274	0.00	0.12	0.00	4.00
R6LGMUSAM	10601	0.00	0.09	0.00	4.00
R7LGMUSAM	9666	0.00	0.06	0.00	4.00
R8LGMUSAM	8445	0.00	0.09	0.00	4.00
R9LGMUSAM	8736	0.00	0.10	0.00	4.00
S1LGMUSAM	8070	0.07	0.51	0.00	4.00
S2LGMUSAM	6178	0.00	0.09	0.00	4.00
S3LGMUSAM	6382	0.00	0.05	0.00	4.00
S4LGMUSAM	7402	0.00	0.13	0.00	4.00
S5LGMUSAM	6964	0.00	0.13	0.00	4.00
S6LGMUSAM	7242	0.00	0.08	0.00	4.00
S7LGMUSAM	6560	0.00	0.07	0.00	4.00
S8LGMUSAM	5688	0.00	0.07	0.00	4.00
S9LGMUSAM	5820	0.00	0.09	0.00	4.00
R1LGMUSAA	11908	0.46	0.50	0.00	1.00
R2LGMUSAA	9429	0.48	0.50	0.00	1.00
R3LGMUSAA	9762	0.45	0.50	0.00	1.00
R4LGMUSAA	11040	0.45	0.50	0.00	1.00
R5LGMUSAA	10265	0.46	0.50	0.00	1.00
R6LGMUSAA	10596	0.45	0.50	0.00	1.00
R7LGMUSAA	9664	0.44	0.50	0.00	1.00
R8LGMUSAA	8441	0.47	0.50	0.00	1.00
R9LGMUSAA	8730	0.43	0.50	0.00	1.00
S1LGMUSAA	7936	0.41	0.49	0.00	1.00
S2LGMUSAA	6175	0.44	0.50	0.00	1.00
S3LGMUSAA	6381	0.39	0.49	0.00	1.00
S4LGMUSAA	7394	0.40	0.49	0.00	1.00
S5LGMUSAA	6957	0.40	0.49	0.00	1.00
S6LGMUSAA	7239	0.40	0.49	0.00	1.00
S7LGMUSAA	6558	0.40	0.49	0.00	1.00
S8LGMUSAA	5686	0.42	0.49	0.00	1.00
S9LGMUSAA	5817	0.39	0.49	0.00	1.00
R1GROSSA	11908	0.49	1.09	0.00	5.00
R2GROSSA	9430	0.50	1.10	0.00	5.00
R3GROSSA	9764	0.47	1.08	0.00	5.00
R4GROSSA	11041	0.45	1.04	0.00	5.00
R5GROSSA	10266	0.48	1.09	0.00	5.00
R6GROSSA	10597	0.48	1.10	0.00	5.00
R7GROSSA	9664	0.48	1.10	0.00	5.00
R8GROSSA	8443	0.48	1.09	0.00	5.00
R9GROSSA	8731	0.45	1.09	0.00	5.00
S1GROSSA	7936	0.39	1.00	0.00	5.00
S2GROSSA	6176	0.40	1.02	0.00	5.00
S3GROSSA	6382	0.35	0.95	0.00	5.00
S4GROSSA	7394	0.33	0.90	0.00	5.00
S5GROSSA	6957	0.35	0.94	0.00	5.00
S6GROSSA	7240	0.35	0.94	0.00	5.00
S7GROSSA	6558	0.36	0.95	0.00	5.00
S8GROSSA	5686	0.36	0.95	0.00	5.00
S9GROSSA	5817	0.33	0.93	0.00	5.00

R1GROSSAM	12099	0.08	0.62	0.00	5.00
R2GROSSAM	9432	0.00	0.08	0.00	5.00
R3GROSSAM	9766	0.00	0.09	0.00	5.00
R4GROSSAM	11050	0.00	0.14	0.00	5.00
R5GROSSAM	10274	0.00	0.14	0.00	5.00
R6GROSSAM	10601	0.00	0.10	0.00	5.00
R7GROSSAM	9666	0.00	0.07	0.00	5.00
R8GROSSAM	8445	0.00	0.08	0.00	5.00
R9GROSSAM	8736	0.00	0.12	0.00	5.00
S1GROSSAM	8070	0.08	0.64	0.00	5.00
S2GROSSAM	6178	0.00	0.10	0.00	5.00
S3GROSSAM	6382	0.00	0.06	0.00	3.00
S4GROSSAM	7402	0.01	0.16	0.00	5.00
S5GROSSAM	6964	0.01	0.16	0.00	5.00
S6GROSSAM	7242	0.00	0.09	0.00	5.00
S7GROSSAM	6560	0.00	0.09	0.00	5.00
S8GROSSAM	5688	0.00	0.09	0.00	5.00
S9GROSSAM	5820	0.00	0.11	0.00	5.00
R1GROSSAA	11908	0.22	0.42	0.00	1.00
R2GROSSAA	9430	0.23	0.42	0.00	1.00
R3GROSSAA	9764	0.22	0.41	0.00	1.00
R4GROSSAA	11041	0.21	0.41	0.00	1.00
R5GROSSAA	10266	0.22	0.42	0.00	1.00
R6GROSSAA	10597	0.22	0.41	0.00	1.00
R7GROSSAA	9664	0.22	0.41	0.00	1.00
R8GROSSAA	8443	0.22	0.42	0.00	1.00
R9GROSSAA	8731	0.20	0.40	0.00	1.00
S1GROSSAA	7936	0.18	0.38	0.00	1.00
S2GROSSAA	6176	0.18	0.39	0.00	1.00
S3GROSSAA	6382	0.16	0.37	0.00	1.00
S4GROSSAA	7394	0.16	0.37	0.00	1.00
S5GROSSAA	6957	0.17	0.37	0.00	1.00
S6GROSSAA	7240	0.17	0.37	0.00	1.00
S7GROSSAA	6558	0.17	0.37	0.00	1.00
S8GROSSAA	5686	0.17	0.38	0.00	1.00
S9GROSSAA	5817	0.16	0.36	0.00	1.00
R1FINEA	11908	0.20	0.51	0.00	3.00
R2FINEA	9430	0.21	0.53	0.00	3.00
R3FINEA	9764	0.20	0.53	0.00	3.00
R4FINEA	11041	0.21	0.53	0.00	3.00
R5FINEA	10266	0.21	0.55	0.00	3.00
R6FINEA	10597	0.21	0.54	0.00	3.00
R7FINEA	9664	0.21	0.54	0.00	3.00
R8FINEA	8443	0.22	0.55	0.00	3.00
R9FINEA	8731	0.21	0.55	0.00	3.00
S1FINEA	7936	0.17	0.48	0.00	3.00
S2FINEA	6176	0.18	0.50	0.00	3.00
S3FINEA	6382	0.17	0.48	0.00	3.00
S4FINEA	7394	0.17	0.48	0.00	3.00
S5FINEA	6957	0.17	0.48	0.00	3.00
S6FINEA	7240	0.17	0.48	0.00	3.00
S7FINEA	6558	0.16	0.46	0.00	3.00
S8FINEA	5686	0.17	0.49	0.00	3.00
S9FINEA	5817	0.18	0.50	0.00	3.00
R1FINEAM	12099	0.05	0.37	0.00	3.00
R2FINEAM	9432	0.00	0.05	0.00	3.00
R3FINEAM	9766	0.00	0.05	0.00	3.00

R4FINEAM	11050	0.00	0.09	0.00	3.00
R5FINEAM	10274	0.00	0.08	0.00	3.00
R6FINEAM	10601	0.00	0.06	0.00	3.00
R7FINEAM	9666	0.00	0.04	0.00	3.00
R8FINEAM	8445	0.00	0.05	0.00	3.00
R9FINEAM	8736	0.00	0.07	0.00	3.00
S1FINEAM	8070	0.05	0.38	0.00	3.00
S2FINEAM	6178	0.00	0.06	0.00	3.00
S3FINEAM	6382	0.00	0.04	0.00	2.00
S4FINEAM	7402	0.00	0.10	0.00	3.00
S5FINEAM	6964	0.00	0.10	0.00	3.00
S6FINEAM	7242	0.00	0.06	0.00	3.00
S7FINEAM	6560	0.00	0.05	0.00	3.00
S8FINEAM	5688	0.00	0.06	0.00	3.00
S9FINEAM	5820	0.00	0.07	0.00	3.00
R1FINEAA	11908	0.16	0.36	0.00	1.00
R2FINEAA	9430	0.17	0.37	0.00	1.00
R3FINEAA	9764	0.15	0.36	0.00	1.00
R4FINEAA	11041	0.16	0.37	0.00	1.00
R5FINEAA	10266	0.16	0.37	0.00	1.00
R6FINEAA	10597	0.16	0.36	0.00	1.00
R7FINEAA	9664	0.15	0.36	0.00	1.00
R8FINEAA	8443	0.16	0.37	0.00	1.00
R9FINEAA	8731	0.16	0.36	0.00	1.00
S1FINEAA	7936	0.14	0.35	0.00	1.00
S2FINEAA	6176	0.14	0.35	0.00	1.00
S3FINEAA	6382	0.13	0.33	0.00	1.00
S4FINEAA	7394	0.13	0.34	0.00	1.00
S5FINEAA	6957	0.13	0.34	0.00	1.00
S6FINEAA	7240	0.13	0.34	0.00	1.00
S7FINEAA	6558	0.13	0.33	0.00	1.00
S8FINEAA	5686	0.13	0.34	0.00	1.00
S9FINEAA	5817	0.13	0.34	0.00	1.00
R1LOWERMOb	11908	0.66	1.04	0.00	4.00
R2LOWERMOb	9430	0.69	1.05	0.00	4.00
R3LOWERMOb	9764	0.64	1.04	0.00	4.00
R4LOWERMOb	11041	0.64	1.02	0.00	4.00
R5LOWERMOb	10266	0.67	1.07	0.00	4.00
R6LOWERMOb	10597	0.65	1.08	0.00	4.00
R7LOWERMOb	9664	0.63	1.08	0.00	4.00
R8LOWERMOb	8443	0.66	1.08	0.00	4.00
R9LOWERMOb	8731	0.61	1.06	0.00	4.00
S1LOWERMOb	7936	0.56	0.96	0.00	4.00
S2LOWERMOb	6176	0.58	0.98	0.00	4.00
S3LOWERMOb	6382	0.51	0.94	0.00	4.00
S4LOWERMOb	7394	0.51	0.91	0.00	4.00
S5LOWERMOb	6957	0.53	0.96	0.00	4.00
S6LOWERMOb	7240	0.51	0.96	0.00	4.00
S7LOWERMOb	6558	0.50	0.96	0.00	4.00
S8LOWERMOb	5686	0.53	0.96	0.00	4.00
S9LOWERMOb	5817	0.48	0.93	0.00	4.00
R1LOWERMObM	12099	0.06	0.50	0.00	4.00
R2LOWERMObM	9432	0.00	0.07	0.00	4.00
R3LOWERMObM	9766	0.00	0.07	0.00	4.00
R4LOWERMObM	11050	0.00	0.12	0.00	4.00
R5LOWERMObM	10274	0.00	0.12	0.00	4.00
R6LOWERMObM	10601	0.00	0.08	0.00	4.00

R7LOWERMObM	9666	0.00	0.06	0.00	4.00
R8LOWERMObM	8445	0.00	0.08	0.00	4.00
R9LOWERMObM	8736	0.00	0.10	0.00	4.00
S1LOWERMObM	8070	0.07	0.51	0.00	4.00
S2LOWERMObM	6178	0.00	0.08	0.00	4.00
S3LOWERMObM	6382	0.00	0.04	0.00	3.00
S4LOWERMObM	7402	0.00	0.13	0.00	4.00
S5LOWERMObM	6964	0.00	0.13	0.00	4.00
S6LOWERMObM	7242	0.00	0.08	0.00	4.00
S7LOWERMObM	6560	0.00	0.07	0.00	4.00
S8LOWERMObM	5688	0.00	0.07	0.00	4.00
S9LOWERMObM	5820	0.00	0.09	0.00	4.00
R1LOWERMOBA	11908	0.38	0.48	0.00	1.00
R2LOWERMOBA	9430	0.40	0.49	0.00	1.00
R3LOWERMOBA	9764	0.36	0.48	0.00	1.00
R4LOWERMOBA	11041	0.37	0.48	0.00	1.00
R5LOWERMOBA	10266	0.37	0.48	0.00	1.00
R6LOWERMOBA	10597	0.34	0.47	0.00	1.00
R7LOWERMOBA	9664	0.33	0.47	0.00	1.00
R8LOWERMOBA	8443	0.35	0.48	0.00	1.00
R9LOWERMOBA	8731	0.32	0.47	0.00	1.00
S1LOWERMOBA	7936	0.33	0.47	0.00	1.00
S2LOWERMOBA	6176	0.35	0.48	0.00	1.00
S3LOWERMOBA	6382	0.30	0.46	0.00	1.00
S4LOWERMOBA	7394	0.31	0.46	0.00	1.00
S5LOWERMOBA	6957	0.31	0.46	0.00	1.00
S6LOWERMOBA	7240	0.29	0.46	0.00	1.00
S7LOWERMOBA	6558	0.28	0.45	0.00	1.00
S8LOWERMOBA	5686	0.31	0.46	0.00	1.00
S9LOWERMOBA	5817	0.27	0.45	0.00	1.00
R1UPPERMOB	11908	0.42	0.72	0.00	3.00
R2UPPERMOB	9429	0.42	0.72	0.00	3.00
R3UPPERMOB	9762	0.40	0.72	0.00	3.00
R4UPPERMOB	11040	0.38	0.70	0.00	3.00
R5UPPERMOB	10265	0.40	0.73	0.00	3.00
R6UPPERMOB	10596	0.40	0.73	0.00	3.00
R7UPPERMOB	9664	0.39	0.73	0.00	3.00
R8UPPERMOB	8441	0.40	0.73	0.00	3.00
R9UPPERMOB	8730	0.37	0.71	0.00	3.00
S1UPPERMOB	7936	0.35	0.67	0.00	3.00
S2UPPERMOB	6175	0.34	0.67	0.00	3.00
S3UPPERMOB	6381	0.32	0.65	0.00	3.00
S4UPPERMOB	7394	0.31	0.64	0.00	3.00
S5UPPERMOB	6957	0.31	0.65	0.00	3.00
S6UPPERMOB	7239	0.32	0.66	0.00	3.00
S7UPPERMOB	6558	0.30	0.65	0.00	3.00
S8UPPERMOB	5686	0.31	0.65	0.00	3.00
S9UPPERMOB	5817	0.29	0.63	0.00	3.00
R1UPPERMOBM	12099	0.05	0.37	0.00	3.00
R2UPPERMOBM	9432	0.00	0.05	0.00	3.00
R3UPPERMOBM	9766	0.00	0.06	0.00	3.00
R4UPPERMOBM	11050	0.00	0.09	0.00	3.00
R5UPPERMOBM	10274	0.00	0.09	0.00	3.00
R6UPPERMOBM	10601	0.00	0.07	0.00	3.00
R7UPPERMOBM	9666	0.00	0.04	0.00	3.00
R8UPPERMOBM	8445	0.00	0.07	0.00	3.00
R9UPPERMOBM	8736	0.00	0.08	0.00	3.00

S1UPPERMOBM	8070	0.05	0.38	0.00	3.00
S2UPPERMOBM	6178	0.00	0.07	0.00	3.00
S3UPPERMOBM	6382	0.00	0.04	0.00	3.00
S4UPPERMOBM	7402	0.00	0.10	0.00	3.00
S5UPPERMOBM	6964	0.00	0.10	0.00	3.00
S6UPPERMOBM	7242	0.00	0.06	0.00	3.00
S7UPPERMOBM	6560	0.00	0.05	0.00	3.00
S8UPPERMOBM	5688	0.00	0.06	0.00	3.00
S9UPPERMOBM	5820	0.00	0.07	0.00	3.00
R1UPPERMOBA	11908	0.30	0.46	0.00	1.00
R2UPPERMOBA	9429	0.30	0.46	0.00	1.00
R3UPPERMOBA	9762	0.28	0.45	0.00	1.00
R4UPPERMOBA	11040	0.27	0.45	0.00	1.00
R5UPPERMOBA	10265	0.28	0.45	0.00	1.00
R6UPPERMOBA	10596	0.28	0.45	0.00	1.00
R7UPPERMOBA	9664	0.26	0.44	0.00	1.00
R8UPPERMOBA	8441	0.27	0.45	0.00	1.00
R9UPPERMOBA	8730	0.26	0.44	0.00	1.00
S1UPPERMOBA	7936	0.25	0.43	0.00	1.00
S2UPPERMOBA	6175	0.25	0.43	0.00	1.00
S3UPPERMOBA	6381	0.23	0.42	0.00	1.00
S4UPPERMOBA	7394	0.22	0.42	0.00	1.00
S5UPPERMOBA	6957	0.22	0.41	0.00	1.00
S6UPPERMOBA	7239	0.23	0.42	0.00	1.00
S7UPPERMOBA	6558	0.21	0.41	0.00	1.00
S8UPPERMOBA	5686	0.22	0.42	0.00	1.00
S9UPPERMOBA	5817	0.21	0.41	0.00	1.00

### Categorical Variable Codes

Value-----	R1MOBILBA	R2MOBILBA	R3MOBILBA	R4MOBILBA	R5MOBILBA
.d:DK	12	1		2	3
.m:Missing			2		
.p:proxy	175				
.r:Refuse	4	1		7	5
0.No	7436	5694	6222	7000	6466
1.Yes	4472	3736	3542	4041	3800
Value-----	R6MOBILBA	R7MOBILBA	R8MOBILBA	R9MOBILBA	
.d:DK	1	2		4	
.r:Refuse	3		2	1	
0.No	6960	6450	5459	5905	
1.Yes	3637	3214	2984	2826	
Value-----	S1MOBILBA	S2MOBILBA	S3MOBILBA	S4MOBILBA	S5MOBILBA
.d:DK	9	1		2	3
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	5293	4029	4446	5101	4786
1.Yes	2643	2147	1936	2293	2171
Value-----	S6MOBILBA	S7MOBILBA	S8MOBILBA	S9MOBILBA	
.d:DK		2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	5108	4723	3945	4222	
1.Yes	2132	1835	1741	1595	
Value-----	R1MOBILSEVA	R2MOBILSEVA	R3MOBILSEVA	R4MOBILSEVA	R5MOBILSEVA
.d:DK	12	2		3	3

.m:Missing				4		
.p:proxy	175					
.r:Refuse	4	1			7	6
0.No	5366	4073		4559	5178	4719
1.Yes	6542	5356		5203	5862	5546
Value-----	R6MOBILSEVA	R7MOBILSEVA	R8MOBILSEVA	R9MOBILSEVA		
.d:DK	2	2	1	4		
.r:Refuse	3		3	2		
0.No	5165	4816	3979	4384		
1.Yes	5431	4848	4462	4346		
Value-----	S1MOBILSEVA	S2MOBILSEVA	S3MOBILSEVA	S4MOBILSEVA	S5MOBILSEVA	
.d:DK	9	2		2	3	
.m:Missing			1			
.p:proxy	122					
.r:Refuse	3	1		6	4	
.u:Unmar	3561	2671	2706	2932	2742	
.v:SP NR	468	583	676	716	568	
0.No	3920	2940	3324	3844	3585	
1.Yes	4016	3235	3057	3550	3372	
Value-----	S6MOBILSEVA	S7MOBILSEVA	S8MOBILSEVA	S9MOBILSEVA		
.d:DK	1	2		3		
.r:Refuse	2		2			
.u:Unmar	2802	2548	2255	2286		
.v:SP NR	557	558	502	630		
0.No	3879	3590	2945	3183		
1.Yes	3360	2968	2741	2634		
Value-----	R1LGMUSAA	R2LGMUSAA	R3LGMUSAA	R4LGMUSAA	R5LGMUSAA	
.d:DK	12	2		3	3	
.m:Missing			4			
.p:proxy	175					
.r:Refuse	4	1		7	6	
0.No	6474	4901	5385	6121	5556	
1.Yes	5434	4528	4377	4919	4709	
Value-----	R6LGMUSAA	R7LGMUSAA	R8LGMUSAA	R9LGMUSAA		
.d:DK	2	2	1	4		
.r:Refuse	3		3	2		
0.No	5845	5387	4502	4943		
1.Yes	4751	4277	3939	3787		
Value-----	S1LGMUSAA	S2LGMUSAA	S3LGMUSAA	S4LGMUSAA	S5LGMUSAA	
.d:DK	9	2		2	3	
.m:Missing			1			
.p:proxy	122					
.r:Refuse	3	1		6	4	
.u:Unmar	3561	2671	2706	2932	2742	
.v:SP NR	468	583	676	716	568	
0.No	4644	3470	3872	4443	4142	
1.Yes	3292	2705	2509	2951	2815	
Value-----	S6LGMUSAA	S7LGMUSAA	S8LGMUSAA	S9LGMUSAA		
.d:DK	1	2		3		
.r:Refuse	2		2			
.u:Unmar	2802	2548	2255	2286		
.v:SP NR	557	558	502	630		
0.No	4314	3962	3282	3565		
1.Yes	2925	2596	2404	2252		
Value-----	R1GROSSAA	R2GROSSAA	R3GROSSAA	R4GROSSAA	R5GROSSAA	
.d:DK	12	1		2	3	
.m:Missing			2			
.p:proxy	175					
.r:Refuse	4	1		7	5	
0.No	9230	7255	7630	8703	7994	
1.Yes	2678	2175	2134	2338	2272	
Value-----	R6GROSSAA	R7GROSSAA	R8GROSSAA	R9GROSSAA		



.d:DK	1	2		4	
.r:Refuse	3		2	1	
0.No	8290	7584	6566	6973	
1.Yes	2307	2080	1877	1758	
Value-----	S1GROSSAA	S2GROSSAA	S3GROSSAA	S4GROSSAA	S5GROSSAA
.d:DK	9	1		2	3
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	6501	5050	5329	6177	5786
1.Yes	1435	1126	1053	1217	1171
Value-----	S6GROSSAA	S7GROSSAA	S8GROSSAA	S9GROSSAA	
.d:DK		2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6021	5465	4694	4897	
1.Yes	1219	1093	992	920	
Value-----	R1FINEAA	R2FINEAA	R3FINEAA	R4FINEAA	R5FINEAA
.d:DK	12	1		2	3
.m:Missing			2		
.p:proxy	175				
.r:Refuse	4	1		7	5
0.No	10041	7847	8262	9272	8612
1.Yes	1867	1583	1502	1769	1654
Value-----	R6FINEAA	R7FINEAA	R8FINEAA	R9FINEAA	
.d:DK	1	2		4	
.r:Refuse	3		2	1	
0.No	8945	8169	7079	7350	
1.Yes	1652	1495	1364	1381	
Value-----	S1FINEAA	S2FINEAA	S3FINEAA	S4FINEAA	S5FINEAA
.d:DK	9	1		2	3
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	6840	5290	5569	6430	6057
1.Yes	1096	886	813	964	900
Value-----	S6FINEAA	S7FINEAA	S8FINEAA	S9FINEAA	
.d:DK		2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6303	5721	4919	5039	
1.Yes	937	837	767	778	
Value-----	R1LOWERMOBA	R2LOWERMOBA	R3LOWERMOBA	R4LOWERMOBA	R5LOWERMOBA
.d:DK	12	1		2	3
.m:Missing			2		
.p:proxy	175				
.r:Refuse	4	1		7	5
0.No	7436	5694	6222	7000	6466
1.Yes	4472	3736	3542	4041	3800
Value-----	R6LOWERMOBA	R7LOWERMOBA	R8LOWERMOBA	R9LOWERMOBA	
.d:DK	1	2		4	
.r:Refuse	3		2	1	
0.No	6960	6450	5459	5905	
1.Yes	3637	3214	2984	2826	
Value-----	S1LOWERMOBA	S2LOWERMOBA	S3LOWERMOBA	S4LOWERMOBA	S5LOWERMOBA
.d:DK	9	1		2	3
.p:proxy	122				
.r:Refuse	3	1		6	4

.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	5293	4029	4446	5101	4786
1.Yes	2643	2147	1936	2293	2171
Value-----	S6LOWERMOBA	S7LOWERMOBA	S8LOWERMOBA	S9LOWERMOBA	
.d:DK		2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	5108	4723	3945	4222	
1.Yes	2132	1835	1741	1595	
Value-----	R1UPPERMOBA	R2UPPERMOBA	R3UPPERMOBA	R4UPPERMOBA	R5UPPERMOBA
.d:DK	12	2		3	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	1		7	6
0.No	8380	6570	7019	8006	7397
1.Yes	3528	2859	2743	3034	2868
Value-----	R6UPPERMOBA	R7UPPERMOBA	R8UPPERMOBA	R9UPPERMOBA	
.d:DK	2	2	1	4	
.r:Refuse	3		3	2	
0.No	7636	7112	6124	6498	
1.Yes	2960	2552	2317	2232	
Value-----	S1UPPERMOBA	S2UPPERMOBA	S3UPPERMOBA	S4UPPERMOBA	S5UPPERMOBA
.d:DK	9	2		2	3
.m:Missing			1		
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	5953	4636	4941	5742	5423
1.Yes	1983	1539	1440	1652	1534
Value-----	S6UPPERMOBA	S7UPPERMOBA	S8UPPERMOBA	S9UPPERMOBA	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	5595	5169	4421	4595	
1.Yes	1644	1389	1265	1222	

## How Constructed

Several summary measures for functional limitations are included in an attempt to provide some consistency across waves. Wallace and Herzog present summary measures in their paper (Wallace and Herzog, 1995) which include measures for ADLs, mobility, large muscle, and IADLs. For ADL and IADL summary measures, please see "ADL Summary" and "IADL Summary". The mobility and large muscle indices are included here. Two other groupings of the most consistent measures across waves are also included, namely gross and fine motor summaries.

The four-item mobility index uses the walking 100 yards, walking across a room, climbing one flight of stairs, and climbing several flights of stairs activities. The seven-item mobility index uses walking 100 yards, climbing several flights of stairs without resting, getting up from a chair after sitting for long periods, crouching, reaching arms above shoulder level, lifting or carrying weights over 10 pounds, and picking up a 5p coin from the table. The large muscle index uses the sitting for two hours, getting up from a chair, stooping, kneeling or crouching, and pushing or pulling large objects activities. The gross motor index uses the walking 100 yards, walking across a room, climbing one flight of stairs, getting in or out of bed, and bathing activities. The fine motor index uses the picking up a 5p coin, eating, and dressing activities. The lower body index uses walking 100 yards, climbing several flights of stairs without resting, getting up from a chair after sitting for long periods, and crouching. The upper body index uses reaching arms above shoulder level, lifting or carrying weights over 10 pounds, and picking up a 5p coin from the table. In all waves, the "some difficulty" versions of the individual measures are used to construct these measures. Each limitation adds one to the summary measure, that is:

RwMOBILB= sum (RwWALK100A, RwWALKRA, RwCLIMSA, RwCLIM1A)

RwMOBILSEV= sum (RwWALK100A, RwCLIMSA, RwCHAIRA, RwSTOOPA, RwARMSA, RwLIFTA, RwDIMEA)

RwLGMUSA= sum (RwSITA, RwCHAIRA, RwSTOOPA, RwPUSHA)

RwGROSSA = sum (RwWALK100A, RwWALKRA, RwCLIM1A, RwBEDA, RwBATHA)

RwFINEA= sum (RwDIMEA, RweATA, RwdRESSA)

RwLOWERMOb = sum (RwWALK100A, RwCLIMSA, RwCHAIRA, RwSTOOPA)

RwUPPERMOB = sum (RwARMSA, RwLIFTA, RwDIMEA)

These measures are calculated as long as at least one of their components is not missing. Don't know, refused, or other missing responses to the components of RwMOBILB, RwMOBILSEV, RwLGMUSA, RwGROSSA, RwFINEA, RwLOWERMOb, and RwUPPERMOB are assigned special missing .d, .r, .m, respectively. A special missing value of .p is used when at least one of the component measures was skipped because the interview was by proxy in Wave 1. RwMOBILB, RwMOBILSEV, RwLGMUSA, RwGROSSA, RwFINEA, RwLOWERMOb, and RwUPPERMOB are assigned plain missing (.) if the respondent did not participate in the current wave.

SwMOBILB, SwMOBILSEV, SwLGMUSA, SwGROSSA, SwFINEA, SwLOWERMOb, and SwUPPERMOB are taken directly from the spouse's values for RwMOBILB, RwMOBILSEV, RwLGMUSA, RwGROSSA, RwFINEA, RwLOWERMOb, and RwUPPERMOB, respectively. In addition to the special missing values employed by RwMOBILB, RwMOBILSEV, RwLGMUSA, RwGROSSA, SwFINEA, SwLOWERMOb, and SwUPPERMOB, SwMOBILB, SwMOBILSEV, SwLGMUSA, SwGROSSA, SwFINEA, SwLOWERMOb, and SwUPPERMOB employ two additional special missing values, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwMOBILBM indicates how many individual measures used to derive RwMOBILB are missing. RwMOBILSEVM indicates how many individual measures used to derive RwMOBILSEV are missing. RwLGMUSAM indicates how many individual measures used to derive RwLGMUSA are missing. RwGROSSAM indicates how many individual measures used to derive RwGROSSA are missing. RwFINEAM indicates how many individual measures used to derive RwFINEA are missing. RwLOWERMObM indicates how many individual measures used to derive RwLOWERMOb are missing. RwUPPERMOBM indicates how many individual measures used to derive RwUPPERMOB are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwMOBILBM, SwMOBILSEVM, SwLGMUSAM, SwGROSSAM, SwFINEAM, SwLOWERMObM, and SwUPPERMOBM are taken directly from the spouse's values for RwMOBILBM, RwMOBILSEVM, RwLGMUSAM, RwGROSSAM, SwFINEAM, SwLOWERMObM, and RwUPPERMOBM, respectively. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwMOBILBA indicates whether the respondent experiences difficulties with any of the four activities listed above. RwMOBILSEVA indicates whether the respondent experiences difficulties with any of the seven activities listed above. RwLGMUSAA indicates whether the respondent experiences difficulties with any of the four activities listed above. RwGROSSAA indicates whether the respondent experiences difficulties with any of the five activities listed above. RwFINEAA indicates whether the respondent experiences difficulties with any of the three activities listed above. RwLOWERMObA indicates whether the respondent experiences difficulties with any of the four activities listed above. RwUPPERMOBA indicates whether the respondent experiences difficulties with any of the three activities listed above. These variables are assigned a value of 0 if the respondent had no difficulty with the activities, and are assigned a value of 1 if the respondent had difficulty with at least one of the activities. Don't know, refused, or other missing responses to the components of RwMOBILBA, RwMOBILSEVA, RwLGMUSAA, RwGROSSAA, SwFINEAA, SwLOWERMObA, and SwUPPERMOBA are assigned special missing .d, .r, .m, respectively. A special missing value of .p is used when at least one of the component measures was skipped because the interview was by proxy in Wave 1. RwMOBILBA, RwMOBILSEVA, RwLGMUSAA, RwGROSSAA, SwFINEAA, SwLOWERMObA, and SwUPPERMOBA are assigned plain missing (.) if the respondent did not participate in the current wave.

SwMOBILBA, SwMOBILSEVA, SwLGMUSAA, SwGROSSAA, SwFINEAA, SwLOWERMObA, and SwUPPERMOBA are taken directly from the spouse's values RwMOBILBA, RwMOBILSEVA, RwLGMUSAA, RwGROSSAA, SwFINEAA, SwLOWERMObA, and SwUPPERMOBA, respectively. In addition to the special missing values employed by RwMOBILBA, RwMOBILSEVA,

RwLGMUSAA, RwGROSSAA, RwfINEAA, RwLOWERMOBA, and RwUPPERMOBA, SwMOBILBA, SwMOBILSEVA, SwLGMUSAA, SwGROSSAA, SwFINEAA, SwLOWERMOBA, and SwUPPERMOBA employ two additional special missing values, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please see "Activities of Daily Living (ADLs): Some difficulty" for a description of how the individual dummy variables (RwWALKRA, RwbEDA, RwbATHA, RweATA, and RwdRESSA) are constructed. See "Other Functional Limitations: Some difficulty" for a description of how the individual dummy variables (RwWALK100A, RwCLIMSA, RwCLIM1A, RwsITA, RwCHAIRA, RwSTOOPA, RwpUSHA, RwarMSA, RwlIFTA, and RwdIMEA) are constructed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

The HRS surveys difficulty walking with three questions: difficulty walking across a room, difficulty walking one block, and difficulty walking several blocks. The ELSA only uses two questions to survey difficulty with walking: difficulty walking across a room and difficulty walking 100 yards. This difference affects two of the summary indices. Unlike the RAND HRS variable RwmOBILA, RwmOBILB uses a scale of 0-4, instead of a scale of 0-5. Also, in the Harmonized ELSA, RwgROSSA is computed using information about difficulty walking 100 yards (RwWALK100A), whereas in the RAND HRS, RwgROSSA is computed using whether the respondent reported any difficulty walking one block.

## ELSA Variables Used

### Wave 1 Core:

HEADA01	because of a health problem, do you have any difficultie
HEADA02	show card 1 @/we need to understand difficulties people
HEADA03	show card 1 @/we need to understand difficulties people
HEADA04	because of a health problem, do you have any difficultie
HEADA05	because of a health problem, do you have any difficultie
HEADA06	because of a health problem, do you have any difficultie
HEADA07	because of a health problem, do you have any difficultie
HEADA08	because of a health problem, do you have any difficultie
HEADA09	because of a health problem, do you have any difficultie
HEADA10	because of a health problem, do you have any difficultie
HEADA11	because of a health problem, do you have any difficultie

### Wave 2 Core:

HEADA01	ADL: activity has problem with due to health/physical pr
HEADA02	ADL: activity has problem with due to health/physical pr
HEADA03	ADL: activity has problem with due to health/physical pr
HEADA04	ADL: activity has problem with due to health/physical pr
HEADA05	ADL: activity has problem with due to health/physical pr
HEADA06	ADL: activity has problem with due to health/physical pr
HEADA07	ADL: activity has problem with due to health/physical pr
HEADA08	ADL: activity has problem with due to health/physical pr
HEADA09	ADL: activity has problem with due to health/physical pr
HEADA10	ADL: activity has problem with due to health/physical pr

### Wave 3 Core:

HEMOBCH	mobility: difficulty getting up from chair after sitting
HEMOBCL	mobility: difficulty climbing one flight stairs without
HEMOBCS	mobility: difficulty climbing several flights stairs wit
HEMOBLI	mobility: difficulty lifting or carrying weights over 10
HEMOBPI	mobility: difficulty picking up 5p coin from table
HEMOBPU	mobility: difficulty pulling or pushing large objects
HEMOBSI	mobility: difficulty sitting 2 hours
HEMOBST	mobility: difficulty stooping, kneeling or crouching
HEMOBWA	mobility: difficulty walking 100 yards

### Wave 4 Core:

HEMOBCH	mobility: difficulty getting up from chair after sitting
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HEMOBCL	mobility: difficulty climbing one flight stairs without
HEMOBCS	mobility: difficulty climbing several flights stairs wit
HEMOBLI	mobility: difficulty lifting or carrying weights over 10
HEMOBPI	mobility: difficulty picking up 5p coin from table
HEMOBPU	mobility: difficulty pulling or pushing large objects
HEMOBSI	mobility: difficulty sitting 2 hours
HEMOBST	mobility: difficulty stooping, kneeling or crouching
HEMOBWA	mobility: difficulty walking 100 yards
Wave 5 Core:	
HEMOBCH	Mobility: difficulty getting up from chair after sitting
HEMOBCL	Mobility: difficulty climbing one flight stairs without
HEMOBCS	Mobility: difficulty climbing several flights stairs wit
HEMOBLI	Mobility: difficulty lifting or carrying weights over 10
HEMOBPI	Mobility: difficulty picking up 5p coin from table
HEMOBPU	Mobility: difficulty pulling or pushing large objects
HEMOBSI	Mobility: difficulty sitting 2 hours
HEMOBST	Mobility: difficulty stooping, kneeling or crouching
HEMOBWA	Mobility: difficulty walking 100 yards
Wave 6 Core:	
HEMOBCH	mobility: difficulty getting up from chair after sitting
HEMOBCL	mobility: difficulty climbing one flight stairs without
HEMOBCS	mobility: difficulty climbing several flights stairs wit
HEMOBLI	mobility: difficulty lifting or carrying weights over 10
HEMOBPI	mobility: difficulty picking up 5p coin from table
HEMOBPU	mobility: difficulty pulling or pushing large objects
HEMOBSI	mobility: difficulty sitting 2 hours
HEMOBST	mobility: difficulty stooping, kneeling or crouching
HEMOBWA	mobility: difficulty walking 100 yards
Wave 7 Core:	
HEMOBCH	mobility: difficulty getting up from chair after sitting
HEMOBCL	mobility: difficulty climbing one flight stairs without
HEMOBCS	mobility: difficulty climbing several flights stairs wit
HEMOBLI	mobility: difficulty lifting or carrying weights over 10
HEMOBPI	mobility: difficulty picking up 5p coin from table
HEMOBPU	mobility: difficulty pulling or pushing large objects
HEMOBSI	mobility: difficulty sitting 2 hours
HEMOBST	mobility: difficulty stooping, kneeling or crouching
HEMOBWA	mobility: difficulty walking 100 yards
Wave 8 Core:	
HEMOBCH	mobility: difficulty getting up from chair after sitting
HEMOBCL	mobility: difficulty climbing one flight stairs without
HEMOBCS	mobility: difficulty climbing several flights stairs wit
HEMOBLI	mobility: difficulty lifting or carrying weights over 10
HEMOBPI	mobility: difficulty picking up 5p coin from table
HEMOBPU	mobility: difficulty pulling or pushing large objects
HEMOBSI	mobility: difficulty sitting 2 hours
HEMOBST	mobility: difficulty stooping, kneeling or crouching
HEMOBWA	mobility: difficulty walking 100 yards
Wave 9 Core:	
HEMOBCH	Mobility: difficulty getting up from chair after sitting
HEMOBCL	Mobility: difficulty climbing one flight stairs without
HEMOBCS	Mobility: difficulty climbing several flights stairs wit
HEMOBLI	Mobility: difficulty lifting or carrying weights over 10
HEMOBPI	Mobility: difficulty picking up 5p coin from table
HEMOBPU	Mobility: difficulty pulling or pushing large objects
HEMOBSI	Mobility: difficulty sitting 2 hours
HEMOBST	Mobility: difficulty stooping, kneeling or crouching
HEMOBWA	Mobility: difficulty walking 100 yards

<b>Doctor Diagnosed Health Problems: Ever Have Condition</b>
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Wave	Variable	Label	Type
1	R1HIBPE	r1hibpe:w1 r ever had high blood pressure	Categ
2	R2HIBPE	r2hibpe:w2 r ever had high blood pressure	Categ
3	R3HIBPE	r3hibpe:w3 r ever had high blood pressure	Categ
4	R4HIBPE	r4hibpe:w4 r ever had high blood pressure	Categ
5	R5HIBPE	r5hibpe:w5 r ever had high blood pressure	Categ
6	R6HIBPE	r6hibpe:w6 r ever had high blood pressure	Categ
7	R7HIBPE	r7hibpe:w7 r ever had high blood pressure	Categ
8	R8HIBPE	r8hibpe:w8 r ever had high blood pressure	Categ
9	R9HIBPE	r9hibpe:w9 r ever had high blood pressure	Categ
1	S1HIBPE	s1hibpe:w1 s ever had high blood pressure	Categ
2	S2HIBPE	s2hibpe:w2 s ever had high blood pressure	Categ
3	S3HIBPE	s3hibpe:w3 s ever had high blood pressure	Categ
4	S4HIBPE	s4hibpe:w4 s ever had high blood pressure	Categ
5	S5HIBPE	s5hibpe:w5 s ever had high blood pressure	Categ
6	S6HIBPE	s6hibpe:w6 s ever had high blood pressure	Categ
7	S7HIBPE	s7hibpe:w7 s ever had high blood pressure	Categ
8	S8HIBPE	s8hibpe:w8 s ever had high blood pressure	Categ
9	S9HIBPE	s9hibpe:w9 s ever had high blood pressure	Categ
1	R1HIBPF	r1hibpf:w1 r flag dispute chg high blood pressure	Categ
2	R2HIBPF	r2hibpf:w2 r flag dispute chg high blood pressure	Categ
3	R3HIBPF	r3hibpf:w3 r flag dispute chg high blood pressure	Categ
4	R4HIBPF	r4hibpf:w4 r flag dispute chg high blood pressure	Categ
5	R5HIBPF	r5hibpf:w5 r flag dispute chg high blood pressure	Categ
6	R6HIBPF	r6hibpf:w6 r flag dispute chg high blood pressure	Categ
7	R7HIBPF	r7hibpf:w7 r flag dispute chg high blood pressure	Categ
8	R8HIBPF	r8hibpf:w8 r flag dispute chg high blood pressure	Categ
9	R9HIBPF	r9hibpf:w9 r flag dispute chg high blood pressure	Categ
1	S1HIBPF	s1hibpf:w1 s flag dispute chg high blood pressure	Categ
2	S2HIBPF	s2hibpf:w2 s flag dispute chg high blood pressure	Categ
3	S3HIBPF	s3hibpf:w3 s flag dispute chg high blood pressure	Categ
4	S4HIBPF	s4hibpf:w4 s flag dispute chg high blood pressure	Categ
5	S5HIBPF	s5hibpf:w5 s flag dispute chg high blood pressure	Categ
6	S6HIBPF	s6hibpf:w6 s flag dispute chg high blood pressure	Categ
7	S7HIBPF	s7hibpf:w7 s flag dispute chg high blood pressure	Categ
8	S8HIBPF	s8hibpf:w8 s flag dispute chg high blood pressure	Categ
9	S9HIBPF	s9hibpf:w9 s flag dispute chg high blood pressure	Categ
1	R1DIABE	r1diabe:w1 r ever had diabetes	Categ
2	R2DIABE	r2diabe:w2 r ever had diabetes	Categ
3	R3DIABE	r3diabe:w3 r ever had diabetes	Categ
4	R4DIABE	r4diabe:w4 r ever had diabetes	Categ
5	R5DIABE	r5diabe:w5 r ever had diabetes	Categ
6	R6DIABE	r6diabe:w6 r ever had diabetes	Categ
7	R7DIABE	r7diabe:w7 r ever had diabetes	Categ
8	R8DIABE	r8diabe:w8 r ever had diabetes	Categ
9	R9DIABE	r9diabe:w9 r ever had diabetes	Categ
1	S1DIABE	s1diabe:w1 s ever had diabetes	Categ
2	S2DIABE	s2diabe:w2 s ever had diabetes	Categ
3	S3DIABE	s3diabe:w3 s ever had diabetes	Categ
4	S4DIABE	s4diabe:w4 s ever had diabetes	Categ
5	S5DIABE	s5diabe:w5 s ever had diabetes	Categ
6	S6DIABE	s6diabe:w6 s ever had diabetes	Categ
7	S7DIABE	s7diabe:w7 s ever had diabetes	Categ

8	S8DIABE	s8diabe:w8	s	ever had diabetes		Categ
9	S9DIABE	s9diabe:w9	s	ever had diabetes		Categ
1	R1DIABF	r1diabf:w1	r	flag dispute chg diabetes		Categ
2	R2DIABF	r2diabf:w2	r	flag dispute chg diabetes		Categ
3	R3DIABF	r3diabf:w3	r	flag dispute chg diabetes		Categ
4	R4DIABF	r4diabf:w4	r	flag dispute chg diabetes		Categ
5	R5DIABF	r5diabf:w5	r	flag dispute chg diabetes		Categ
6	R6DIABF	r6diabf:w6	r	flag dispute chg diabetes		Categ
7	R7DIABF	r7diabf:w7	r	flag dispute chg diabetes		Categ
8	R8DIABF	r8diabf:w8	r	flag dispute chg diabetes		Categ
9	R9DIABF	r9diabf:w9	r	flag dispute chg diabetes		Categ
1	S1DIABF	s1diabf:w1	s	flag dispute chg diabetes		Categ
2	S2DIABF	s2diabf:w2	s	flag dispute chg diabetes		Categ
3	S3DIABF	s3diabf:w3	s	flag dispute chg diabetes		Categ
4	S4DIABF	s4diabf:w4	s	flag dispute chg diabetes		Categ
5	S5DIABF	s5diabf:w5	s	flag dispute chg diabetes		Categ
6	S6DIABF	s6diabf:w6	s	flag dispute chg diabetes		Categ
7	S7DIABF	s7diabf:w7	s	flag dispute chg diabetes		Categ
8	S8DIABF	s8diabf:w8	s	flag dispute chg diabetes		Categ
9	S9DIABF	s9diabf:w9	s	flag dispute chg diabetes		Categ
1	R1CANCRE	r1cancre:w1	r	ever had cancer		Categ
2	R2CANCRE	r2cancre:w2	r	ever had cancer		Categ
3	R3CANCRE	r3cancre:w3	r	ever had cancer		Categ
4	R4CANCRE	r4cancre:w4	r	ever had cancer		Categ
5	R5CANCRE	r5cancre:w5	r	ever had cancer		Categ
6	R6CANCRE	r6cancre:w6	r	ever had cancer		Categ
7	R7CANCRE	r7cancre:w7	r	ever had cancer		Categ
8	R8CANCRE	r8cancre:w8	r	ever had cancer		Categ
9	R9CANCRE	r9cancre:w9	r	ever had cancer		Categ
1	S1CANCRE	s1cancre:w1	s	ever had cancer		Categ
2	S2CANCRE	s2cancre:w2	s	ever had cancer		Categ
3	S3CANCRE	s3cancre:w3	s	ever had cancer		Categ
4	S4CANCRE	s4cancre:w4	s	ever had cancer		Categ
5	S5CANCRE	s5cancre:w5	s	ever had cancer		Categ
6	S6CANCRE	s6cancre:w6	s	ever had cancer		Categ
7	S7CANCRE	s7cancre:w7	s	ever had cancer		Categ
8	S8CANCRE	s8cancre:w8	s	ever had cancer		Categ
9	S9CANCRE	s9cancre:w9	s	ever had cancer		Categ
1	R1CANCRF	r1cancrf:w1	r	flag dispute chg cancer		Categ
2	R2CANCRF	r2cancrf:w2	r	flag dispute chg cancer		Categ
3	R3CANCRF	r3cancrf:w3	r	flag dispute chg cancer		Categ
4	R4CANCRF	r4cancrf:w4	r	flag dispute chg cancer		Categ
5	R5CANCRF	r5cancrf:w5	r	flag dispute chg cancer		Categ
6	R6CANCRF	r6cancrf:w6	r	flag dispute chg cancer		Categ
7	R7CANCRF	r7cancrf:w7	r	flag dispute chg cancer		Categ
8	R8CANCRF	r8cancrf:w8	r	flag dispute chg cancer		Categ
9	R9CANCRF	r9cancrf:w9	r	flag dispute chg cancer		Categ
1	S1CANCRF	s1cancrf:w1	s	flag dispute chg cancer		Categ
2	S2CANCRF	s2cancrf:w2	s	flag dispute chg cancer		Categ
3	S3CANCRF	s3cancrf:w3	s	flag dispute chg cancer		Categ
4	S4CANCRF	s4cancrf:w4	s	flag dispute chg cancer		Categ
5	S5CANCRF	s5cancrf:w5	s	flag dispute chg cancer		Categ
6	S6CANCRF	s6cancrf:w6	s	flag dispute chg cancer		Categ
7	S7CANCRF	s7cancrf:w7	s	flag dispute chg cancer		Categ
8	S8CANCRF	s8cancrf:w8	s	flag dispute chg cancer		Categ
9	S9CANCRF	s9cancrf:w9	s	flag dispute chg cancer		Categ

1	R1LUNGE	r1lunge:w1	r	ever	had	lung	disease	Categ
2	R2LUNGE	r2lunge:w2	r	ever	had	lung	disease	Categ
3	R3LUNGE	r3lunge:w3	r	ever	had	lung	disease	Categ
4	R4LUNGE	r4lunge:w4	r	ever	had	lung	disease	Categ
5	R5LUNGE	r5lunge:w5	r	ever	had	lung	disease	Categ
6	R6LUNGE	r6lunge:w6	r	ever	had	lung	disease	Categ
7	R7LUNGE	r7lunge:w7	r	ever	had	lung	disease	Categ
8	R8LUNGE	r8lunge:w8	r	ever	had	lung	disease	Categ
9	R9LUNGE	r9lunge:w9	r	ever	had	lung	disease	Categ

1	S1LUNGE	s1lunge:w1	s	ever	had	lung	disease	Categ
2	S2LUNGE	s2lunge:w2	s	ever	had	lung	disease	Categ
3	S3LUNGE	s3lunge:w3	s	ever	had	lung	disease	Categ
4	S4LUNGE	s4lunge:w4	s	ever	had	lung	disease	Categ
5	S5LUNGE	s5lunge:w5	s	ever	had	lung	disease	Categ
6	S6LUNGE	s6lunge:w6	s	ever	had	lung	disease	Categ
7	S7LUNGE	s7lunge:w7	s	ever	had	lung	disease	Categ
8	S8LUNGE	s8lunge:w8	s	ever	had	lung	disease	Categ
9	S9LUNGE	s9lunge:w9	s	ever	had	lung	disease	Categ

1	R1LUNGF	r1lungf:w1	r	flag	dispute	chg	lung	disease	Categ
2	R2LUNGF	r2lungf:w2	r	flag	dispute	chg	lung	disease	Categ
3	R3LUNGF	r3lungf:w3	r	flag	dispute	chg	lung	disease	Categ
4	R4LUNGF	r4lungf:w4	r	flag	dispute	chg	lung	disease	Categ
5	R5LUNGF	r5lungf:w5	r	flag	dispute	chg	lung	disease	Categ
6	R6LUNGF	r6lungf:w6	r	flag	dispute	chg	lung	disease	Categ
7	R7LUNGF	r7lungf:w7	r	flag	dispute	chg	lung	disease	Categ
8	R8LUNGF	r8lungf:w8	r	flag	dispute	chg	lung	disease	Categ
9	R9LUNGF	r9lungf:w9	r	flag	dispute	chg	lung	disease	Categ

1	S1LUNGF	s1lungf:w1	s	flag	dispute	chg	lung	disease	Categ
2	S2LUNGF	s2lungf:w2	s	flag	dispute	chg	lung	disease	Categ
3	S3LUNGF	s3lungf:w3	s	flag	dispute	chg	lung	disease	Categ
4	S4LUNGF	s4lungf:w4	s	flag	dispute	chg	lung	disease	Categ
5	S5LUNGF	s5lungf:w5	s	flag	dispute	chg	lung	disease	Categ
6	S6LUNGF	s6lungf:w6	s	flag	dispute	chg	lung	disease	Categ
7	S7LUNGF	s7lungf:w7	s	flag	dispute	chg	lung	disease	Categ
8	S8LUNGF	s8lungf:w8	s	flag	dispute	chg	lung	disease	Categ
9	S9LUNGF	s9lungf:w9	s	flag	dispute	chg	lung	disease	Categ

1	R1HEARTE	r1hearte:w1	r	ever	had	heart	problems	Categ
2	R2HEARTE	r2hearte:w2	r	ever	had	heart	problems	Categ
3	R3HEARTE	r3hearte:w3	r	ever	had	heart	problems	Categ
4	R4HEARTE	r4hearte:w4	r	ever	had	heart	problems	Categ
5	R5HEARTE	r5hearte:w5	r	ever	had	heart	problems	Categ
6	R6HEARTE	r6hearte:w6	r	ever	had	heart	problems	Categ
7	R7HEARTE	r7hearte:w7	r	ever	had	heart	problems	Categ
8	R8HEARTE	r8hearte:w8	r	ever	had	heart	problems	Categ
9	R9HEARTE	r9hearte:w9	r	ever	had	heart	problems	Categ

1	S1HEARTE	s1hearte:w1	s	ever	had	heart	problems	Categ
2	S2HEARTE	s2hearte:w2	s	ever	had	heart	problems	Categ
3	S3HEARTE	s3hearte:w3	s	ever	had	heart	problems	Categ
4	S4HEARTE	s4hearte:w4	s	ever	had	heart	problems	Categ
5	S5HEARTE	s5hearte:w5	s	ever	had	heart	problems	Categ
6	S6HEARTE	s6hearte:w6	s	ever	had	heart	problems	Categ
7	S7HEARTE	s7hearte:w7	s	ever	had	heart	problems	Categ
8	S8HEARTE	s8hearte:w8	s	ever	had	heart	problems	Categ
8	S8HEARTE	s8hearte:w8	s	ever	had	heart	problems	Categ
9	S9HEARTE	s9hearte:w9	s	ever	had	heart	problems	Categ

1	R1HEARTF	r1heartf:w1	r	flag	dispute	chg	heart	problems	Categ
2	R2HEARTF	r2heartf:w2	r	flag	dispute	chg	heart	problems	Categ



3	R3HEARTF	r3heartf:w3	r	flag	dispute	chg	heart	problems	Categ
4	R4HEARTF	r4heartf:w4	r	flag	dispute	chg	heart	problems	Categ
5	R5HEARTF	r5heartf:w5	r	flag	dispute	chg	heart	problems	Categ
6	R6HEARTF	r6heartf:w6	r	flag	dispute	chg	heart	problems	Categ
7	R7HEARTF	r7heartf:w7	r	flag	dispute	chg	heart	problems	Categ
8	R8HEARTF	r8heartf:w8	r	flag	dispute	chg	heart	problems	Categ
9	R9HEARTF	r9heartf:w9	r	flag	dispute	chg	heart	problems	Categ
1	S1HEARTF	s1heartf:w1	s	flag	dispute	chg	heart	problems	Categ
2	S2HEARTF	s2heartf:w2	s	flag	dispute	chg	heart	problems	Categ
3	S3HEARTF	s3heartf:w3	s	flag	dispute	chg	heart	problems	Categ
4	S4HEARTF	s4heartf:w4	s	flag	dispute	chg	heart	problems	Categ
5	S5HEARTF	s5heartf:w5	s	flag	dispute	chg	heart	problems	Categ
6	S6HEARTF	s6heartf:w6	s	flag	dispute	chg	heart	problems	Categ
7	S7HEARTF	s7heartf:w7	s	flag	dispute	chg	heart	problems	Categ
8	S8HEARTF	s8heartf:w8	s	flag	dispute	chg	heart	problems	Categ
9	S9HEARTF	s9heartf:w9	s	flag	dispute	chg	heart	problems	Categ
1	R1STROKE	r1stroke:w1	r	ever	had	stroke			Categ
2	R2STROKE	r2stroke:w2	r	ever	had	stroke			Categ
3	R3STROKE	r3stroke:w3	r	ever	had	stroke			Categ
4	R4STROKE	r4stroke:w4	r	ever	had	stroke			Categ
5	R5STROKE	r5stroke:w5	r	ever	had	stroke			Categ
6	R6STROKE	r6stroke:w6	r	ever	had	stroke			Categ
7	R7STROKE	r7stroke:w7	r	ever	had	stroke			Categ
8	R8STROKE	r8stroke:w8	r	ever	had	stroke			Categ
9	R9STROKE	r9stroke:w9	r	ever	had	stroke			Categ
1	S1STROKE	s1stroke:w1	s	ever	had	stroke			Categ
2	S2STROKE	s2stroke:w2	s	ever	had	stroke			Categ
3	S3STROKE	s3stroke:w3	s	ever	had	stroke			Categ
4	S4STROKE	s4stroke:w4	s	ever	had	stroke			Categ
5	S5STROKE	s5stroke:w5	s	ever	had	stroke			Categ
6	S6STROKE	s6stroke:w6	s	ever	had	stroke			Categ
7	S7STROKE	s7stroke:w7	s	ever	had	stroke			Categ
8	S8STROKE	s8stroke:w8	s	ever	had	stroke			Categ
9	S9STROKE	s9stroke:w9	s	ever	had	stroke			Categ
1	R1STROKF	r1strokf:w1	r	flag	dispute	chg	stroke		Categ
2	R2STROKF	r2strokf:w2	r	flag	dispute	chg	stroke		Categ
3	R3STROKF	r3strokf:w3	r	flag	dispute	chg	stroke		Categ
4	R4STROKF	r4strokf:w4	r	flag	dispute	chg	stroke		Categ
5	R5STROKF	r5strokf:w5	r	flag	dispute	chg	stroke		Categ
6	R6STROKF	r6strokf:w6	r	flag	dispute	chg	stroke		Categ
7	R7STROKF	r7strokf:w7	r	flag	dispute	chg	stroke		Categ
8	R8STROKF	r8strokf:w8	r	flag	dispute	chg	stroke		Categ
9	R9STROKF	r9strokf:w9	r	flag	dispute	chg	stroke		Categ
1	S1STROKF	s1strokf:w1	s	flag	dispute	chg	stroke		Categ
2	S2STROKF	s2strokf:w2	s	flag	dispute	chg	stroke		Categ
3	S3STROKF	s3strokf:w3	s	flag	dispute	chg	stroke		Categ
4	S4STROKF	s4strokf:w4	s	flag	dispute	chg	stroke		Categ
5	S5STROKF	s5strokf:w5	s	flag	dispute	chg	stroke		Categ
6	S6STROKF	s6strokf:w6	s	flag	dispute	chg	stroke		Categ
7	S7STROKF	s7strokf:w7	s	flag	dispute	chg	stroke		Categ
8	S8STROKF	s8strokf:w8	s	flag	dispute	chg	stroke		Categ
9	S9STROKF	s9strokf:w9	s	flag	dispute	chg	stroke		Categ
1	R1PSYCHE	r1psyche:w1	r	ever	had	psych	problems		Categ
2	R2PSYCHE	r2psyche:w2	r	ever	had	psych	problems		Categ
3	R3PSYCHE	r3psyche:w3	r	ever	had	psych	problems		Categ
4	R4PSYCHE	r4psyche:w4	r	ever	had	psych	problems		Categ
5	R5PSYCHE	r5psyche:w5	r	ever	had	psych	problems		Categ

6	R6PSYCHE	r6psyche:w6	r	ever	had	psych	problems	Categ	
7	R7PSYCHE	r7psyche:w7	r	ever	had	psych	problems	Categ	
8	R8PSYCHE	r8psyche:w8	r	ever	had	psych	problems	Categ	
9	R9PSYCHE	r9psyche:w9	r	ever	had	psych	problems	Categ	
1	S1PSYCHE	s1psyche:w1	s	ever	had	psych	problems	Categ	
2	S2PSYCHE	s2psyche:w2	s	ever	had	psych	problems	Categ	
3	S3PSYCHE	s3psyche:w3	s	ever	had	psych	problems	Categ	
4	S4PSYCHE	s4psyche:w4	s	ever	had	psych	problems	Categ	
5	S5PSYCHE	s5psyche:w5	s	ever	had	psych	problems	Categ	
6	S6PSYCHE	s6psyche:w6	s	ever	had	psych	problems	Categ	
7	S7PSYCHE	s7psyche:w7	s	ever	had	psych	problems	Categ	
8	S8PSYCHE	s8psyche:w8	s	ever	had	psych	problems	Categ	
9	S9PSYCHE	s9psyche:w9	s	ever	had	psych	problems	Categ	
1	R1PSYCHF	r1psychf:w1	r	flag	dispute	chg	psych	problems	Categ
2	R2PSYCHF	r2psychf:w2	r	flag	dispute	chg	psych	problems	Categ
3	R3PSYCHF	r3psychf:w3	r	flag	dispute	chg	psych	problems	Categ
4	R4PSYCHF	r4psychf:w4	r	flag	dispute	chg	psych	problems	Categ
5	R5PSYCHF	r5psychf:w5	r	flag	dispute	chg	psych	problems	Categ
6	R6PSYCHF	r6psychf:w6	r	flag	dispute	chg	psych	problems	Categ
7	R7PSYCHF	r7psychf:w7	r	flag	dispute	chg	psych	problems	Categ
8	R8PSYCHF	r8psychf:w8	r	flag	dispute	chg	psych	problems	Categ
9	R9PSYCHF	r9psychf:w9	r	flag	dispute	chg	psych	problems	Categ
1	S1PSYCHF	s1psychf:w1	s	flag	dispute	chg	psych	problems	Categ
2	S2PSYCHF	s2psychf:w2	s	flag	dispute	chg	psych	problems	Categ
3	S3PSYCHF	s3psychf:w3	s	flag	dispute	chg	psych	problems	Categ
4	S4PSYCHF	s4psychf:w4	s	flag	dispute	chg	psych	problems	Categ
5	S5PSYCHF	s5psychf:w5	s	flag	dispute	chg	psych	problems	Categ
6	S6PSYCHF	s6psychf:w6	s	flag	dispute	chg	psych	problems	Categ
7	S7PSYCHF	s7psychf:w7	s	flag	dispute	chg	psych	problems	Categ
8	S8PSYCHF	s8psychf:w8	s	flag	dispute	chg	psych	problems	Categ
9	S9PSYCHF	s9psychf:w9	s	flag	dispute	chg	psych	problems	Categ
1	R1ARTHRE	r1arthre:w1	r	ever	had	arthritis		Categ	
2	R2ARTHRE	r2arthre:w2	r	ever	had	arthritis		Categ	
3	R3ARTHRE	r3arthre:w3	r	ever	had	arthritis		Categ	
4	R4ARTHRE	r4arthre:w4	r	ever	had	arthritis		Categ	
5	R5ARTHRE	r5arthre:w5	r	ever	had	arthritis		Categ	
6	R6ARTHRE	r6arthre:w6	r	ever	had	arthritis		Categ	
7	R7ARTHRE	r7arthre:w7	r	ever	had	arthritis		Categ	
8	R8ARTHRE	r8arthre:w8	r	ever	had	arthritis		Categ	
9	R9ARTHRE	r9arthre:w9	r	ever	had	arthritis		Categ	
1	S1ARTHRE	s1arthre:w1	s	ever	had	arthritis		Categ	
2	S2ARTHRE	s2arthre:w2	s	ever	had	arthritis		Categ	
3	S3ARTHRE	s3arthre:w3	s	ever	had	arthritis		Categ	
4	S4ARTHRE	s4arthre:w4	s	ever	had	arthritis		Categ	
5	S5ARTHRE	s5arthre:w5	s	ever	had	arthritis		Categ	
6	S6ARTHRE	s6arthre:w6	s	ever	had	arthritis		Categ	
7	S7ARTHRE	s7arthre:w7	s	ever	had	arthritis		Categ	
8	S8ARTHRE	s8arthre:w8	s	ever	had	arthritis		Categ	
9	S9ARTHRE	s9arthre:w9	s	ever	had	arthritis		Categ	
1	R1ARTHRF	r1arthrf:w1	r	flag	dispute	chg	arthritis	Categ	
2	R2ARTHRF	r2arthrf:w2	r	flag	dispute	chg	arthritis	Categ	
3	R3ARTHRF	r3arthrf:w3	r	flag	dispute	chg	arthritis	Categ	
4	R4ARTHRF	r4arthrf:w4	r	flag	dispute	chg	arthritis	Categ	
5	R5ARTHRF	r5arthrf:w5	r	flag	dispute	chg	arthritis	Categ	
6	R6ARTHRF	r6arthrf:w6	r	flag	dispute	chg	arthritis	Categ	
7	R7ARTHRF	r7arthrf:w7	r	flag	dispute	chg	arthritis	Categ	
8	R8ARTHRF	r8arthrf:w8	r	flag	dispute	chg	arthritis	Categ	

9	R9ARTHRF	r9arthrf:w9	r	flag	dispute	chg	arthritis	Categ
1	S1ARTHRF	s1arthrf:w1	s	flag	dispute	chg	arthritis	Categ
2	S2ARTHRF	s2arthrf:w2	s	flag	dispute	chg	arthritis	Categ
3	S3ARTHRF	s3arthrf:w3	s	flag	dispute	chg	arthritis	Categ
4	S4ARTHRF	s4arthrf:w4	s	flag	dispute	chg	arthritis	Categ
5	S5ARTHRF	s5arthrf:w5	s	flag	dispute	chg	arthritis	Categ
6	S6ARTHRF	s6arthrf:w6	s	flag	dispute	chg	arthritis	Categ
7	S7ARTHRF	s7arthrf:w7	s	flag	dispute	chg	arthritis	Categ
8	S8ARTHRF	s8arthrf:w8	s	flag	dispute	chg	arthritis	Categ
9	S9ARTHRF	s9arthrf:w9	s	flag	dispute	chg	arthritis	Categ
1	R1ASTHMAE	r1asthmae:w1	r	ever	had	asthma	Categ	
2	R2ASTHMAE	r2asthmae:w2	r	ever	had	asthma	Categ	
3	R3ASTHMAE	r3asthmae:w3	r	ever	had	asthma	Categ	
4	R4ASTHMAE	r4asthmae:w4	r	ever	had	asthma	Categ	
5	R5ASTHMAE	r5asthmae:w5	r	ever	had	asthma	Categ	
6	R6ASTHMAE	r6asthmae:w6	r	ever	had	asthma	Categ	
7	R7ASTHMAE	r7asthmae:w7	r	ever	had	asthma	Categ	
8	R8ASTHMAE	r8asthmae:w8	r	ever	had	asthma	Categ	
9	R9ASTHMAE	r9asthmae:w9	r	ever	had	asthma	Categ	
1	S1ASTHMAE	s1asthmae:w1	s	ever	had	asthma	Categ	
2	S2ASTHMAE	s2asthmae:w2	s	ever	had	asthma	Categ	
3	S3ASTHMAE	s3asthmae:w3	s	ever	had	asthma	Categ	
4	S4ASTHMAE	s4asthmae:w4	s	ever	had	asthma	Categ	
5	S5ASTHMAE	s5asthmae:w5	s	ever	had	asthma	Categ	
6	S6ASTHMAE	s6asthmae:w6	s	ever	had	asthma	Categ	
7	S7ASTHMAE	s7asthmae:w7	s	ever	had	asthma	Categ	
8	S8ASTHMAE	s8asthmae:w8	s	ever	had	asthma	Categ	
9	S9ASTHMAE	s9asthmae:w9	s	ever	had	asthma	Categ	
1	R1ASTHMAF	r1asthmaf:w1	r	flag	dispute	chg	asthma	Categ
2	R2ASTHMAF	r2asthmaf:w2	r	flag	dispute	chg	asthma	Categ
3	R3ASTHMAF	r3asthmaf:w3	r	flag	dispute	chg	asthma	Categ
4	R4ASTHMAF	r4asthmaf:w4	r	flag	dispute	chg	asthma	Categ
5	R5ASTHMAF	r5asthmaf:w5	r	flag	dispute	chg	asthma	Categ
6	R6ASTHMAF	r6asthmaf:w6	r	flag	dispute	chg	asthma	Categ
7	R7ASTHMAF	r7asthmaf:w7	r	flag	dispute	chg	asthma	Categ
8	R8ASTHMAF	r8asthmaf:w8	r	flag	dispute	chg	asthma	Categ
9	R9ASTHMAF	r9asthmaf:w9	r	flag	dispute	chg	asthma	Categ
1	S1ASTHMAF	s1asthmaf:w1	s	flag	dispute	chg	asthma	Categ
2	S2ASTHMAF	s2asthmaf:w2	s	flag	dispute	chg	asthma	Categ
3	S3ASTHMAF	s3asthmaf:w3	s	flag	dispute	chg	asthma	Categ
4	S4ASTHMAF	s4asthmaf:w4	s	flag	dispute	chg	asthma	Categ
5	S5ASTHMAF	s5asthmaf:w5	s	flag	dispute	chg	asthma	Categ
6	S6ASTHMAF	s6asthmaf:w6	s	flag	dispute	chg	asthma	Categ
7	S7ASTHMAF	s7asthmaf:w7	s	flag	dispute	chg	asthma	Categ
8	S8ASTHMAF	s8asthmaf:w8	s	flag	dispute	chg	asthma	Categ
9	S9ASTHMAF	s9asthmaf:w9	s	flag	dispute	chg	asthma	Categ
2	R2HCHOLE	r2hchole:w2	r	ever	had	high cholesterol	Categ	
3	R3HCHOLE	r3hchole:w3	r	ever	had	high cholesterol	Categ	
4	R4HCHOLE	r4hchole:w4	r	ever	had	high cholesterol	Categ	
5	R5HCHOLE	r5hchole:w5	r	ever	had	high cholesterol	Categ	
6	R6HCHOLE	r6hchole:w6	r	ever	had	high cholesterol	Categ	
7	R7HCHOLE	r7hchole:w7	r	ever	had	high cholesterol	Categ	
8	R8HCHOLE	r8hchole:w8	r	ever	had	high cholesterol	Categ	
9	R9HCHOLE	r9hchole:w9	r	ever	had	high cholesterol	Categ	
2	S2HCHOLE	s2hchole:w2	s	ever	had	high cholesterol	Categ	
3	S3HCHOLE	s3hchole:w3	s	ever	had	high cholesterol	Categ	

4	S4HCHOLE	s4hchole:w4	s	ever	had	high	cholesterol		Categ
5	S5HCHOLE	s5hchole:w5	s	ever	had	high	cholesterol		Categ
6	S6HCHOLE	s6hchole:w6	s	ever	had	high	cholesterol		Categ
7	S7HCHOLE	s7hchole:w7	s	ever	had	high	cholesterol		Categ
8	S8HCHOLE	s8hchole:w8	s	ever	had	high	cholesterol		Categ
9	S9HCHOLE	s9hchole:w9	s	ever	had	high	cholesterol		Categ
2	R2HCHOLF	r2hcholf:w2	r	flag	dispute	chg	high	cholesterol	Categ
3	R3HCHOLF	r3hcholf:w3	r	flag	dispute	chg	high	cholesterol	Categ
4	R4HCHOLF	r4hcholf:w4	r	flag	dispute	chg	high	cholesterol	Categ
5	R5HCHOLF	r5hcholf:w5	r	flag	dispute	chg	high	cholesterol	Categ
6	R6HCHOLF	r6hcholf:w6	r	flag	dispute	chg	high	cholesterol	Categ
7	R7HCHOLF	r7hcholf:w7	r	flag	dispute	chg	high	cholesterol	Categ
8	R8HCHOLF	r8hcholf:w8	r	flag	dispute	chg	high	cholesterol	Categ
9	R9HCHOLF	r9hcholf:w9	r	flag	dispute	chg	high	cholesterol	Categ
2	S2HCHOLF	s2hcholf:w2	s	flag	dispute	chg	high	cholesterol	Categ
3	S3HCHOLF	s3hcholf:w3	s	flag	dispute	chg	high	cholesterol	Categ
4	S4HCHOLF	s4hcholf:w4	s	flag	dispute	chg	high	cholesterol	Categ
5	S5HCHOLF	s5hcholf:w5	s	flag	dispute	chg	high	cholesterol	Categ
6	S6HCHOLF	s6hcholf:w6	s	flag	dispute	chg	high	cholesterol	Categ
7	S7HCHOLF	s7hcholf:w7	s	flag	dispute	chg	high	cholesterol	Categ
8	S8HCHOLF	s8hcholf:w8	s	flag	dispute	chg	high	cholesterol	Categ
9	S9HCHOLF	s9hcholf:w9	s	flag	dispute	chg	high	cholesterol	Categ
1	R1CATRACTE	r1catracte:w1	r	ever	had	cataracts			Categ
2	R2CATRACTE	r2catracte:w2	r	ever	had	cataracts			Categ
3	R3CATRACTE	r3catracte:w3	r	ever	had	cataracts			Categ
4	R4CATRACTE	r4catracte:w4	r	ever	had	cataracts			Categ
5	R5CATRACTE	r5catracte:w5	r	ever	had	cataracts			Categ
6	R6CATRACTE	r6catracte:w6	r	ever	had	cataracts			Categ
7	R7CATRACTE	r7catracte:w7	r	ever	had	cataracts			Categ
8	R8CATRACTE	r8catracte:w8	r	ever	had	cataracts			Categ
9	R9CATRACTE	r9catracte:w9	r	ever	had	cataracts			Categ
1	S1CATRACTE	s1catracte:w1	s	ever	had	cataracts			Categ
2	S2CATRACTE	s2catracte:w2	s	ever	had	cataracts			Categ
3	S3CATRACTE	s3catracte:w3	s	ever	had	cataracts			Categ
4	S4CATRACTE	s4catracte:w4	s	ever	had	cataracts			Categ
5	S5CATRACTE	s5catracte:w5	s	ever	had	cataracts			Categ
6	S6CATRACTE	s6catracte:w6	s	ever	had	cataracts			Categ
7	S7CATRACTE	s7catracte:w7	s	ever	had	cataracts			Categ
8	S8CATRACTE	s8catracte:w8	s	ever	had	cataracts			Categ
9	S9CATRACTE	s9catracte:w9	s	ever	had	cataracts			Categ
1	R1CATRCTF	r1catrctf:w1	r	flag	dispute	chg	cataracts		Categ
2	R2CATRCTF	r2catrctf:w2	r	flag	dispute	chg	cataracts		Categ
3	R3CATRCTF	r3catrctf:w3	r	flag	dispute	chg	cataracts		Categ
4	R4CATRCTF	r4catrctf:w4	r	flag	dispute	chg	cataracts		Categ
5	R5CATRCTF	r5catrctf:w5	r	flag	dispute	chg	cataracts		Categ
6	R6CATRCTF	r6catrctf:w6	r	flag	dispute	chg	cataracts		Categ
7	R7CATRCTF	r7catrctf:w7	r	flag	dispute	chg	cataracts		Categ
8	R8CATRCTF	r8catrctf:w8	r	flag	dispute	chg	cataracts		Categ
9	R9CATRCTF	r9catrctf:w9	r	flag	dispute	chg	cataracts		Categ
1	S1CATRCTF	s1catrctf:w1	s	flag	dispute	chg	cataracts		Categ
2	S2CATRCTF	s2catrctf:w2	s	flag	dispute	chg	cataracts		Categ
3	S3CATRCTF	s3catrctf:w3	s	flag	dispute	chg	cataracts		Categ
4	S4CATRCTF	s4catrctf:w4	s	flag	dispute	chg	cataracts		Categ
5	S5CATRCTF	s5catrctf:w5	s	flag	dispute	chg	cataracts		Categ
6	S6CATRCTF	s6catrctf:w6	s	flag	dispute	chg	cataracts		Categ
7	S7CATRCTF	s7catrctf:w7	s	flag	dispute	chg	cataracts		Categ
8	S8CATRCTF	s8catrctf:w8	s	flag	dispute	chg	cataracts		Categ

9	S9CATRCTF	s9catrctf:w9	s	flag	dispute	chg	cataracts		Categ
1	R1PARKINE	r1parkine:w1	r	ever	had	parkinson	disease		Categ
2	R2PARKINE	r2parkine:w2	r	ever	had	parkinson	disease		Categ
3	R3PARKINE	r3parkine:w3	r	ever	had	parkinson	disease		Categ
4	R4PARKINE	r4parkine:w4	r	ever	had	parkinson	disease		Categ
5	R5PARKINE	r5parkine:w5	r	ever	had	parkinson	disease		Categ
6	R6PARKINE	r6parkine:w6	r	ever	had	parkinson	disease		Categ
7	R7PARKINE	r7parkine:w7	r	ever	had	parkinson	disease		Categ
8	R8PARKINE	r8parkine:w8	r	ever	had	parkinson	disease		Categ
9	R9PARKINE	r9parkine:w9	r	ever	had	parkinson	disease		Categ
1	S1PARKINE	s1parkine:w1	s	ever	had	parkinson	disease		Categ
2	S2PARKINE	s2parkine:w2	s	ever	had	parkinson	disease		Categ
3	S3PARKINE	s3parkine:w3	s	ever	had	parkinson	disease		Categ
4	S4PARKINE	s4parkine:w4	s	ever	had	parkinson	disease		Categ
5	S5PARKINE	s5parkine:w5	s	ever	had	parkinson	disease		Categ
6	S6PARKINE	s6parkine:w6	s	ever	had	parkinson	disease		Categ
7	S7PARKINE	s7parkine:w7	s	ever	had	parkinson	disease		Categ
8	S8PARKINE	s8parkine:w8	s	ever	had	parkinson	disease		Categ
9	S9PARKINE	s9parkine:w9	s	ever	had	parkinson	disease		Categ
1	R1PARKINF	r1parkinf:w1	r	flag	dispute	chg	parkinson	disease	Categ
2	R2PARKINF	r2parkinf:w2	r	flag	dispute	chg	parkinson	disease	Categ
3	R3PARKINF	r3parkinf:w3	r	flag	dispute	chg	parkinson	disease	Categ
4	R4PARKINF	r4parkinf:w4	r	flag	dispute	chg	parkinson	disease	Categ
5	R5PARKINF	r5parkinf:w5	r	flag	dispute	chg	parkinson	disease	Categ
6	R6PARKINF	r6parkinf:w6	r	flag	dispute	chg	parkinson	disease	Categ
7	R7PARKINF	r7parkinf:w7	r	flag	dispute	chg	parkinson	disease	Categ
8	R8PARKINF	r8parkinf:w8	r	flag	dispute	chg	parkinson	disease	Categ
9	R9PARKINF	r9parkinf:w9	r	flag	dispute	chg	parkinson	disease	Categ
1	S1PARKINF	s1parkinf:w1	s	flag	dispute	chg	parkinson	disease	Categ
2	S2PARKINF	s2parkinf:w2	s	flag	dispute	chg	parkinson	disease	Categ
3	S3PARKINF	s3parkinf:w3	s	flag	dispute	chg	parkinson	disease	Categ
4	S4PARKINF	s4parkinf:w4	s	flag	dispute	chg	parkinson	disease	Categ
5	S5PARKINF	s5parkinf:w5	s	flag	dispute	chg	parkinson	disease	Categ
6	S6PARKINF	s6parkinf:w6	s	flag	dispute	chg	parkinson	disease	Categ
7	S7PARKINF	s7parkinf:w7	s	flag	dispute	chg	parkinson	disease	Categ
8	S8PARKINF	s8parkinf:w8	s	flag	dispute	chg	parkinson	disease	Categ
9	S9PARKINF	s9parkinf:w9	s	flag	dispute	chg	parkinson	disease	Categ
1	R1HIPE	r1hipe:w1	r	ever	had	hip	fracture		Categ
2	R2HIPE	r2hipe:w2	r	ever	had	hip	fracture		Categ
3	R3HIPE	r3hipe:w3	r	ever	had	hip	fracture		Categ
4	R4HIPE	r4hipe:w4	r	ever	had	hip	fracture		Categ
5	R5HIPE	r5hipe:w5	r	ever	had	hip	fracture		Categ
6	R6HIPE	r6hipe:w6	r	ever	had	hip	fracture		Categ
7	R7HIPE	r7hipe:w7	r	ever	had	hip	fracture		Categ
8	R8HIPE	r8hipe:w8	r	ever	had	hip	fracture		Categ
9	R9HIPE	r9hipe:w9	r	ever	had	hip	fracture		Categ
1	S1HIPE	s1hipe:w1	s	ever	had	hip	fracture		Categ
2	S2HIPE	s2hipe:w2	s	ever	had	hip	fracture		Categ
3	S3HIPE	s3hipe:w3	s	ever	had	hip	fracture		Categ
4	S4HIPE	s4hipe:w4	s	ever	had	hip	fracture		Categ
5	S5HIPE	s5hipe:w5	s	ever	had	hip	fracture		Categ
6	S6HIPE	s6hipe:w6	s	ever	had	hip	fracture		Categ
7	S7HIPE	s7hipe:w7	s	ever	had	hip	fracture		Categ
8	S8HIPE	s8hipe:w8	s	ever	had	hip	fracture		Categ
9	S9HIPE	s9hipe:w9	s	ever	had	hip	fracture		Categ
1	R1ANGINE	r1langine:w1	r	ever	had	angina			Categ

2	R2ANGINE	r2angine:w2	r	ever	had	angina		Categ
3	R3ANGINE	r3angine:w3	r	ever	had	angina		Categ
4	R4ANGINE	r4angine:w4	r	ever	had	angina		Categ
5	R5ANGINE	r5angine:w5	r	ever	had	angina		Categ
6	R6ANGINE	r6angine:w6	r	ever	had	angina		Categ
7	R7ANGINE	r7angine:w7	r	ever	had	angina		Categ
8	R8ANGINE	r8angine:w8	r	ever	had	angina		Categ
9	R9ANGINE	r9angine:w9	r	ever	had	angina		Categ

1	S1ANGINE	s1angine:w1	s	ever	had	angina		Categ
2	S2ANGINE	s2angine:w2	s	ever	had	angina		Categ
3	S3ANGINE	s3angine:w3	s	ever	had	angina		Categ
4	S4ANGINE	s4angine:w4	s	ever	had	angina		Categ
5	S5ANGINE	s5angine:w5	s	ever	had	angina		Categ
6	S6ANGINE	s6angine:w6	s	ever	had	angina		Categ
7	S7ANGINE	s7angine:w7	s	ever	had	angina		Categ
8	S8ANGINE	s8angine:w8	s	ever	had	angina		Categ
9	S9ANGINE	s9angine:w9	s	ever	had	angina		Categ

1	R1ANGINF	r1anginf:w1	r	flag	dispute	chg	angina	Categ
2	R2ANGINF	r2anginf:w2	r	flag	dispute	chg	angina	Categ
3	R3ANGINF	r3anginf:w3	r	flag	dispute	chg	angina	Categ
4	R4ANGINF	r4anginf:w4	r	flag	dispute	chg	angina	Categ
5	R5ANGINF	r5anginf:w5	r	flag	dispute	chg	angina	Categ
6	R6ANGINF	r6anginf:w6	r	flag	dispute	chg	angina	Categ
7	R7ANGINF	r7anginf:w7	r	flag	dispute	chg	angina	Categ
8	R8ANGINF	r8anginf:w8	r	flag	dispute	chg	angina	Categ
9	R9ANGINF	r9anginf:w9	r	flag	dispute	chg	angina	Categ

1	S1ANGINF	s1anginf:w1	s	flag	dispute	chg	angina	Categ
2	S2ANGINF	s2anginf:w2	s	flag	dispute	chg	angina	Categ
3	S3ANGINF	s3anginf:w3	s	flag	dispute	chg	angina	Categ
4	S4ANGINF	s4anginf:w4	s	flag	dispute	chg	angina	Categ
5	S5ANGINF	s5anginf:w5	s	flag	dispute	chg	angina	Categ
6	S6ANGINF	s6anginf:w6	s	flag	dispute	chg	angina	Categ
7	S7ANGINF	s7anginf:w7	s	flag	dispute	chg	angina	Categ
8	S8ANGINF	s8anginf:w8	s	flag	dispute	chg	angina	Categ
9	S9ANGINF	s9anginf:w9	s	flag	dispute	chg	angina	Categ

1	R1HRTATTE	r1hrtatte:w1	r	ever	had	heart	attack	Categ
2	R2HRTATTE	r2hrtatte:w2	r	ever	had	heart	attack	Categ
3	R3HRTATTE	r3hrtatte:w3	r	ever	had	heart	attack	Categ
4	R4HRTATTE	r4hrtatte:w4	r	ever	had	heart	attack	Categ
5	R5HRTATTE	r5hrtatte:w5	r	ever	had	heart	attack	Categ
6	R6HRTATTE	r6hrtatte:w6	r	ever	had	heart	attack	Categ
7	R7HRTATTE	r7hrtatte:w7	r	ever	had	heart	attack	Categ
8	R8HRTATTE	r8hrtatte:w8	r	ever	had	heart	attack	Categ
9	R9HRTATTE	r9hrtatte:w9	r	ever	had	heart	attack	Categ

1	S1HRTATTE	s1hrtatte:w1	s	ever	had	heart	attack	Categ
2	S2HRTATTE	s2hrtatte:w2	s	ever	had	heart	attack	Categ
3	S3HRTATTE	s3hrtatte:w3	s	ever	had	heart	attack	Categ
4	S4HRTATTE	s4hrtatte:w4	s	ever	had	heart	attack	Categ
5	S5HRTATTE	s5hrtatte:w5	s	ever	had	heart	attack	Categ
6	S6HRTATTE	s6hrtatte:w6	s	ever	had	heart	attack	Categ
7	S7HRTATTE	s7hrtatte:w7	s	ever	had	heart	attack	Categ
8	S8HRTATTE	s8hrtatte:w8	s	ever	had	heart	attack	Categ
9	S9HRTATTE	s9hrtatte:w9	s	ever	had	heart	attack	Categ

1	R1HRTATTF	r1hrtattf:w1	r	flag	dispute	chg	heart	attack	Categ
2	R2HRTATTF	r2hrtattf:w2	r	flag	dispute	chg	heart	attack	Categ
3	R3HRTATTF	r3hrtattf:w3	r	flag	dispute	chg	heart	attack	Categ
4	R4HRTATTF	r4hrtattf:w4	r	flag	dispute	chg	heart	attack	Categ

5	R5HRTATTF	r5hrtattf:w5	r	flag	dispute	chg	heart	attack	Categ
6	R6HRTATTF	r6hrtattf:w6	r	flag	dispute	chg	heart	attack	Categ
7	R7HRTATTF	r7hrtattf:w7	r	flag	dispute	chg	heart	attack	Categ
8	R8HRTATTF	r8hrtattf:w8	r	flag	dispute	chg	heart	attack	Categ
9	R9HRTATTF	r9hrtattf:w9	r	flag	dispute	chg	heart	attack	Categ
1	S1HRTATTF	s1hrtattf:w1	s	flag	dispute	chg	heart	attack	Categ
2	S2HRTATTF	s2hrtattf:w2	s	flag	dispute	chg	heart	attack	Categ
3	S3HRTATTF	s3hrtattf:w3	s	flag	dispute	chg	heart	attack	Categ
4	S4HRTATTF	s4hrtattf:w4	s	flag	dispute	chg	heart	attack	Categ
5	S5HRTATTF	s5hrtattf:w5	s	flag	dispute	chg	heart	attack	Categ
6	S6HRTATTF	s6hrtattf:w6	s	flag	dispute	chg	heart	attack	Categ
7	S7HRTATTF	s7hrtattf:w7	s	flag	dispute	chg	heart	attack	Categ
8	S8HRTATTF	s8hrtattf:w8	s	flag	dispute	chg	heart	attack	Categ
9	S9HRTATTF	s9hrtattf:w9	s	flag	dispute	chg	heart	attack	Categ
1	R1CONHRTFE	r1conhrtfe:w1	r	ever	had	congestive	heart	failure	Categ
2	R2CONHRTFE	r2conhrtfe:w2	r	ever	had	congestive	heart	failure	Categ
3	R3CONHRTFE	r3conhrtfe:w3	r	ever	had	congestive	heart	failure	Categ
4	R4CONHRTFE	r4conhrtfe:w4	r	ever	had	congestive	heart	failure	Categ
5	R5CONHRTFE	r5conhrtfe:w5	r	ever	had	congestive	heart	failure	Categ
6	R6CONHRTFE	r6conhrtfe:w6	r	ever	had	congestive	heart	failure	Categ
7	R7CONHRTFE	r7conhrtfe:w7	r	ever	had	congestive	heart	failure	Categ
8	R8CONHRTFE	r8conhrtfe:w8	r	ever	had	congestive	heart	failure	Categ
9	R9CONHRTFE	r9conhrtfe:w9	r	ever	had	congestive	heart	failure	Categ
1	S1CONHRTFE	s1conhrtfe:w1	s	ever	had	congestive	heart	failure	Categ
2	S2CONHRTFE	s2conhrtfe:w2	s	ever	had	congestive	heart	failure	Categ
3	S3CONHRTFE	s3conhrtfe:w3	s	ever	had	congestive	heart	failure	Categ
4	S4CONHRTFE	s4conhrtfe:w4	s	ever	had	congestive	heart	failure	Categ
5	S5CONHRTFE	s5conhrtfe:w5	s	ever	had	congestive	heart	failure	Categ
6	S6CONHRTFE	s6conhrtfe:w6	s	ever	had	congestive	heart	failure	Categ
7	S7CONHRTFE	s7conhrtfe:w7	s	ever	had	congestive	heart	failure	Categ
8	S8CONHRTFE	s8conhrtfe:w8	s	ever	had	congestive	heart	failure	Categ
9	S9CONHRTFE	s9conhrtfe:w9	s	ever	had	congestive	heart	failure	Categ
1	R1CONHRTFF	r1conhrtff:w1	r	flag	dispute	chg	congestive	heart failure	Categ
2	R2CONHRTFF	r2conhrtff:w2	r	flag	dispute	chg	conhestive	heart failure	Categ
3	R3CONHRTFF	r3conhrtff:w3	r	flag	dispute	chg	congestive	heart failure	Categ
4	R4CONHRTFF	r4conhrtff:w4	r	flag	dispute	chg	congestive	heart failure	Categ
5	R5CONHRTFF	r5conhrtff:w5	r	flag	dispute	chg	congestive	heart failure	Categ
6	R6CONHRTFF	r6conhrtff:w6	r	flag	dispute	chg	congestive	heart failure	Categ
7	R7CONHRTFF	r7conhrtff:w7	r	flag	dispute	chg	congestive	heart failure	Categ
8	R8CONHRTFF	r8conhrtff:w8	r	flag	dispute	chg	congestive	heart failure	Categ
9	R9CONHRTFF	r9conhrtff:w9	r	flag	dispute	chg	congestive	heart failure	Categ
1	S1CONHRTFF	s1conhrtff:w1	s	flag	dispute	chg	congestive	heart failure	Categ
2	S2CONHRTFF	s2conhrtff:w2	s	flag	dispute	chg	congestive	heart failure	Categ
3	S3CONHRTFF	s3conhrtff:w3	s	flag	dispute	chg	congestive	heart failure	Categ
4	S4CONHRTFF	s4conhrtff:w4	s	flag	dispute	chg	congestive	heart failure	Categ
5	S5CONHRTFF	s5conhrtff:w5	s	flag	dispute	chg	congestive	heart failure	Categ
6	S6CONHRTFF	s6conhrtff:w6	s	flag	dispute	chg	congestive	heart failure	Categ
7	S7CONHRTFF	s7conhrtff:w7	s	flag	dispute	chg	congestive	heart failure	Categ
8	S8CONHRTFF	s8conhrtff:w8	s	flag	dispute	chg	congestive	heart failure	Categ
9	S9CONHRTFF	s9conhrtff:w9	s	flag	dispute	chg	congestive	heart failure	Categ
1	R1HRTMRE	r1hrtmre:w1	r	ever	had	heart	murmur		Categ
2	R2HRTMRE	r2hrtmre:w2	r	ever	had	heart	murmur		Categ
3	R3HRTMRE	r3hrtmre:w3	r	ever	had	heart	murmur		Categ
4	R4HRTMRE	r4hrtmre:w4	r	ever	had	heart	murmur		Categ
5	R5HRTMRE	r5hrtmre:w5	r	ever	had	heart	murmur		Categ
6	R6HRTMRE	r6hrtmre:w6	r	ever	had	heart	murmur		Categ
7	R7HRTMRE	r7hrtmre:w7	r	ever	had	heart	murmur		Categ

8	R8HRTMRE	r8hrtmre:w8	r	ever	had	heart	murmur		Categ	
9	R9HRTMRE	r9hrtmre:w9	r	ever	had	heart	murmur		Categ	
1	S1HRTMRE	s1hrtmre:w1	s	ever	had	heart	murmur		Categ	
2	S2HRTMRE	s2hrtmre:w2	s	ever	had	heart	murmur		Categ	
3	S3HRTMRE	s3hrtmre:w3	s	ever	had	heart	murmur		Categ	
4	S4HRTMRE	s4hrtmre:w4	s	ever	had	heart	murmur		Categ	
5	S5HRTMRE	s5hrtmre:w5	s	ever	had	heart	murmur		Categ	
6	S6HRTMRE	s6hrtmre:w6	s	ever	had	heart	murmur		Categ	
7	S7HRTMRE	s7hrtmre:w7	s	ever	had	heart	murmur		Categ	
8	S8HRTMRE	s8hrtmre:w8	s	ever	had	heart	murmur		Categ	
9	S9HRTMRE	s9hrtmre:w9	s	ever	had	heart	murmur		Categ	
1	R1HRTMRF	r1hrtmrf:w1	r	flag	dispute	chg	heart	murmur	Categ	
2	R2HRTMRF	r2hrtmrf:w2	r	flag	dispute	chg	heart	murmur	Categ	
3	R3HRTMRF	r3hrtmrf:w3	r	flag	dispute	chg	heart	murmur	Categ	
4	R4HRTMRF	r4hrtmrf:w4	r	flag	dispute	chg	heart	murmur	Categ	
5	R5HRTMRF	r5hrtmrf:w5	r	flag	dispute	chg	heart	murmur	Categ	
6	R6HRTMRF	r6hrtmrf:w6	r	flag	dispute	chg	heart	murmur	Categ	
7	R7HRTMRF	r7hrtmrf:w7	r	flag	dispute	chg	heart	murmur	Categ	
8	R8HRTMRF	r8hrtmrf:w8	r	flag	dispute	chg	heart	murmur	Categ	
9	R9HRTMRF	r9hrtmrf:w9	r	flag	dispute	chg	heart	murmur	Categ	
1	S1HRTMRF	s1hrtmrf:w1	s	flag	dispute	chg	heart	murmur	Categ	
2	S2HRTMRF	s2hrtmrf:w2	s	flag	dispute	chg	heart	murmur	Categ	
3	S3HRTMRF	s3hrtmrf:w3	s	flag	dispute	chg	heart	murmur	Categ	
4	S4HRTMRF	s4hrtmrf:w4	s	flag	dispute	chg	heart	murmur	Categ	
5	S5HRTMRF	s5hrtmrf:w5	s	flag	dispute	chg	heart	murmur	Categ	
6	S6HRTMRF	s6hrtmrf:w6	s	flag	dispute	chg	heart	murmur	Categ	
7	S7HRTMRF	s7hrtmrf:w7	s	flag	dispute	chg	heart	murmur	Categ	
8	S8HRTMRF	s8hrtmrf:w8	s	flag	dispute	chg	heart	murmur	Categ	
9	S9HRTMRF	s9hrtmrf:w9	s	flag	dispute	chg	heart	murmur	Categ	
1	R1HRTRHME	r1hrtrhme:w1	r	ever	had	abnormal	heart	rhythm	Categ	
2	R2HRTRHME	r2hrtrhme:w2	r	ever	had	abnormal	heart	rhythm	Categ	
3	R3HRTRHME	r3hrtrhme:w3	r	ever	had	abnormal	heart	rhythm	Categ	
4	R4HRTRHME	r4hrtrhme:w4	r	ever	had	abnormal	heart	rhythm	Categ	
5	R5HRTRHME	r5hrtrhme:w5	r	ever	had	abnormal	heart	rhythm	Categ	
6	R6HRTRHME	r6hrtrhme:w6	r	ever	had	abnormal	heart	rhythm	Categ	
7	R7HRTRHME	r7hrtrhme:w7	r	ever	had	abnormal	heart	rhythm	Categ	
8	R8HRTRHME	r8hrtrhme:w8	r	ever	had	abnormal	heart	rhythm	Categ	
9	R9HRTRHME	r9hrtrhme:w9	r	ever	had	abnormal	heart	rhythm	Categ	
1	S1HRTRHME	s1hrtrhme:w1	s	ever	had	abnormal	heart	rhythm	Categ	
2	S2HRTRHME	s2hrtrhme:w2	s	ever	had	abnormal	heart	rhythm	Categ	
3	S3HRTRHME	s3hrtrhme:w3	s	ever	had	abnormal	heart	rhythm	Categ	
4	S4HRTRHME	s4hrtrhme:w4	s	ever	had	abnormal	heart	rhythm	Categ	
5	S5HRTRHME	s5hrtrhme:w5	s	ever	had	abnormal	heart	rhythm	Categ	
6	S6HRTRHME	s6hrtrhme:w6	s	ever	had	abnormal	heart	rhythm	Categ	
7	S7HRTRHME	s7hrtrhme:w7	s	ever	had	abnormal	heart	rhythm	Categ	
8	S8HRTRHME	s8hrtrhme:w8	s	ever	had	abnormal	heart	rhythm	Categ	
9	S9HRTRHME	s9hrtrhme:w9	s	ever	had	abnormal	heart	rhythm	Categ	
1	R1HRTRHMF	r1hrtrhmf:w1	r	flag	dispute	chg	abnormal	heart	rhythm	Categ
2	R2HRTRHMF	r2hrtrhmf:w2	r	flag	dispute	chg	abnormal	heart	rhythm	Categ
3	R3HRTRHMF	r3hrtrhmf:w3	r	flag	dispute	chg	abnormal	heart	rhythm	Categ
4	R4HRTRHMF	r4hrtrhmf:w4	r	flag	dispute	chg	abnormal	heart	rhythm	Categ
5	R5HRTRHMF	r5hrtrhmf:w5	r	flag	dispute	chg	abnormal	heart	rhythm	Categ
6	R6HRTRHMF	r6hrtrhmf:w6	r	flag	dispute	chg	abnormal	heart	rhythm	Categ
7	R7HRTRHMF	r7hrtrhmf:w7	r	flag	dispute	chg	abnormal	heart	rhythm	Categ
8	R8HRTRHMF	r8hrtrhmf:w8	r	flag	dispute	chg	abnormal	heart	rhythm	Categ
9	R9HRTRHMF	r9hrtrhmf:w9	r	flag	dispute	chg	abnormal	heart	rhythm	Categ



1	S1HRTRHMF	s1hrtrhmf:w1	s	flag	dispute	chg	abnormal	heart	rhythm	Categ
2	S2HRTRHMF	s2hrtrhmf:w2	s	flag	dispute	chg	abnormal	heart	rhythm	Categ
3	S3HRTRHMF	s3hrtrhmf:w3	s	flag	dispute	chg	abnormal	heart	rhythm	Categ
4	S4HRTRHMF	s4hrtrhmf:w4	s	flag	dispute	chg	abnormal	heart	rhythm	Categ
5	S5HRTRHMF	s5hrtrhmf:w5	s	flag	dispute	chg	abnormal	heart	rhythm	Categ
6	S6HRTRHMF	s6hrtrhmf:w6	s	flag	dispute	chg	abnormal	heart	rhythm	Categ
7	S7HRTRHMF	s7hrtrhmf:w7	s	flag	dispute	chg	abnormal	heart	rhythm	Categ
8	S8HRTRHMF	s8hrtrhmf:w8	s	flag	dispute	chg	abnormal	heart	rhythm	Categ
9	S9HRTRHMF	s9hrtrhmf:w9	s	flag	dispute	chg	abnormal	heart	rhythm	Categ
1	R1OSTEOE	r1osteoe:w1	r	ever	had	osteoporosis				Categ
2	R2OSTEOE	r2osteoe:w2	r	ever	had	osteoporosis				Categ
3	R3OSTEOE	r3osteoe:w3	r	ever	had	osteoporosis				Categ
4	R4OSTEOE	r4osteoe:w4	r	ever	had	osteoporosis				Categ
5	R5OSTEOE	r5osteoe:w5	r	ever	had	osteoporosis				Categ
6	R6OSTEOE	r6osteoe:w6	r	ever	had	osteoporosis				Categ
7	R7OSTEOE	r7osteoe:w7	r	ever	had	osteoporosis				Categ
8	R8OSTEOE	r8osteoe:w8	r	ever	had	osteoporosis				Categ
9	R9OSTEOE	r9osteoe:w9	r	ever	had	osteoporosis				Categ
1	S1OSTEOE	s1osteoe:w1	s	ever	had	osteoporosis				Categ
2	S2OSTEOE	s2osteoe:w2	s	ever	had	osteoporosis				Categ
3	S3OSTEOE	s3osteoe:w3	s	ever	had	osteoporosis				Categ
4	S4OSTEOE	s4osteoe:w4	s	ever	had	osteoporosis				Categ
5	S5OSTEOE	s5osteoe:w5	s	ever	had	osteoporosis				Categ
6	S6OSTEOE	s6osteoe:w6	s	ever	had	osteoporosis				Categ
7	S7OSTEOE	s7osteoe:w7	s	ever	had	osteoporosis				Categ
8	S8OSTEOE	s8osteoe:w8	s	ever	had	osteoporosis				Categ
9	S9OSTEOE	s9osteoe:w9	s	ever	had	osteoporosis				Categ
1	R1OSTEOF	r1osteof:w1	r	flag	dispute	chg	osteoporosis			Categ
2	R2OSTEOF	r2osteof:w2	r	flag	dispute	chg	osteoporosis			Categ
3	R3OSTEOF	r3osteof:w3	r	flag	dispute	chg	osteoporosis			Categ
4	R4OSTEOF	r4osteof:w4	r	flag	dispute	chg	osteoporosis			Categ
5	R5OSTEOF	r5osteof:w5	r	flag	dispute	chg	osteoporosis			Categ
6	R6OSTEOF	r6osteof:w6	r	flag	dispute	chg	osteoporosis			Categ
7	R7OSTEOF	r7osteof:w7	r	flag	dispute	chg	osteoporosis			Categ
8	R8OSTEOF	r8osteof:w8	r	flag	dispute	chg	osteoporosis			Categ
9	R9OSTEOF	r9osteof:w9	r	flag	dispute	chg	osteoporosis			Categ
1	S1OSTEOF	s1osteof:w1	s	flag	dispute	chg	osteoporosis			Categ
2	S2OSTEOF	s2osteof:w2	s	flag	dispute	chg	osteoporosis			Categ
3	S3OSTEOF	s3osteof:w3	s	flag	dispute	chg	osteoporosis			Categ
4	S4OSTEOF	s4osteof:w4	s	flag	dispute	chg	osteoporosis			Categ
5	S5OSTEOF	s5osteof:w5	s	flag	dispute	chg	osteoporosis			Categ
6	S6OSTEOF	s6osteof:w6	s	flag	dispute	chg	osteoporosis			Categ
7	S7OSTEOF	s7osteof:w7	s	flag	dispute	chg	osteoporosis			Categ
8	S8OSTEOF	s8osteof:w8	s	flag	dispute	chg	osteoporosis			Categ
9	S9OSTEOF	s9osteof:w9	s	flag	dispute	chg	osteoporosis			Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HIBPE	12090	0.36	0.48	0.00	1.00
R2HIBPE	9431	0.41	0.49	0.00	1.00
R3HIBPE	9766	0.40	0.49	0.00	1.00
R4HIBPE	11042	0.40	0.49	0.00	1.00
R5HIBPE	10272	0.43	0.49	0.00	1.00
R6HIBPE	10600	0.42	0.49	0.00	1.00
R7HIBPE	9666	0.43	0.49	0.00	1.00
R8HIBPE	8444	0.44	0.50	0.00	1.00
R9HIBPE	8735	0.42	0.49	0.00	1.00

S1HIBPE	8062	0.34	0.47	0.00	1.00
S2HIBPE	6177	0.39	0.49	0.00	1.00
S3HIBPE	6384	0.38	0.49	0.00	1.00
S4HIBPE	7395	0.37	0.48	0.00	1.00
S5HIBPE	6962	0.40	0.49	0.00	1.00
S6HIBPE	7241	0.39	0.49	0.00	1.00
S7HIBPE	6560	0.40	0.49	0.00	1.00
S8HIBPE	5687	0.41	0.49	0.00	1.00
S9HIBPE	5819	0.39	0.49	0.00	1.00
R1HIBPF	12099	0.17	1.00	0.00	6.00
R2HIBPF	9431	0.20	1.05	0.00	6.00
R3HIBPF	9766	0.18	0.99	0.00	6.00
R4HIBPF	11050	0.17	0.97	0.00	6.00
R5HIBPF	10274	0.16	0.95	0.00	6.00
R6HIBPF	10601	0.14	0.85	0.00	6.00
R7HIBPF	9666	0.10	0.71	0.00	6.00
R8HIBPF	8445	0.06	0.53	0.00	6.00
R9HIBPF	8736	0.02	0.23	0.00	3.00
S1HIBPF	8070	0.17	0.99	0.00	6.00
S2HIBPF	6177	0.19	1.02	0.00	6.00
S3HIBPF	6384	0.16	0.94	0.00	6.00
S4HIBPF	7402	0.15	0.93	0.00	6.00
S5HIBPF	6964	0.14	0.89	0.00	6.00
S6HIBPF	7242	0.12	0.81	0.00	6.00
S7HIBPF	6560	0.09	0.68	0.00	6.00
S8HIBPF	5688	0.05	0.48	0.00	6.00
S9HIBPF	5820	0.01	0.19	0.00	3.00
R1DIABE	12090	0.07	0.25	0.00	1.00
R2DIABE	9431	0.08	0.27	0.00	1.00
R3DIABE	9766	0.09	0.28	0.00	1.00
R4DIABE	11042	0.09	0.29	0.00	1.00
R5DIABE	10272	0.11	0.31	0.00	1.00
R6DIABE	10600	0.11	0.31	0.00	1.00
R7DIABE	9666	0.12	0.32	0.00	1.00
R8DIABE	8444	0.13	0.33	0.00	1.00
R9DIABE	8735	0.13	0.34	0.00	1.00
S1DIABE	8062	0.07	0.25	0.00	1.00
S2DIABE	6177	0.08	0.27	0.00	1.00
S3DIABE	6384	0.08	0.27	0.00	1.00
S4DIABE	7395	0.08	0.28	0.00	1.00
S5DIABE	6962	0.10	0.30	0.00	1.00
S6DIABE	7241	0.10	0.30	0.00	1.00
S7DIABE	6560	0.11	0.31	0.00	1.00
S8DIABE	5687	0.12	0.32	0.00	1.00
S9DIABE	5819	0.12	0.33	0.00	1.00
R1DIABF	12099	0.06	0.60	0.00	6.00
R2DIABF	9431	0.07	0.64	0.00	6.00
R3DIABF	9766	0.07	0.62	0.00	6.00
R4DIABF	11050	0.07	0.61	0.00	6.00
R5DIABF	10274	0.06	0.59	0.00	6.00
R6DIABF	10601	0.05	0.52	0.00	6.00
R7DIABF	9666	0.04	0.46	0.00	6.00
R8DIABF	8445	0.03	0.37	0.00	6.00
R9DIABF	8736	0.01	0.17	0.00	3.00
S1DIABF	8070	0.06	0.60	0.00	6.00
S2DIABF	6177	0.07	0.65	0.00	6.00

S3DIABF	6384	0.07	0.62	0.00	6.00
S4DIABF	7402	0.07	0.62	0.00	6.00
S5DIABF	6964	0.06	0.60	0.00	6.00
S6DIABF	7242	0.05	0.54	0.00	6.00
S7DIABF	6560	0.04	0.47	0.00	6.00
S8DIABF	5688	0.03	0.39	0.00	6.00
S9DIABF	5820	0.01	0.17	0.00	3.00
R1CANCRE	12089	0.06	0.23	0.00	1.00
R2CANCRE	9431	0.07	0.26	0.00	1.00
R3CANCRE	9766	0.07	0.26	0.00	1.00
R4CANCRE	11043	0.08	0.27	0.00	1.00
R5CANCRE	10272	0.10	0.30	0.00	1.00
R6CANCRE	10600	0.10	0.30	0.00	1.00
R7CANCRE	9666	0.12	0.32	0.00	1.00
R8CANCRE	8444	0.13	0.34	0.00	1.00
R9CANCRE	8736	0.13	0.34	0.00	1.00
S1CANCRE	8061	0.05	0.23	0.00	1.00
S2CANCRE	6177	0.07	0.26	0.00	1.00
S3CANCRE	6384	0.07	0.25	0.00	1.00
S4CANCRE	7396	0.08	0.27	0.00	1.00
S5CANCRE	6962	0.09	0.29	0.00	1.00
S6CANCRE	7241	0.10	0.30	0.00	1.00
S7CANCRE	6560	0.11	0.32	0.00	1.00
S8CANCRE	5687	0.13	0.33	0.00	1.00
S9CANCRE	5820	0.13	0.33	0.00	1.00
R1CANCRF	12099	0.04	0.47	0.00	6.00
R2CANCRF	9432	0.04	0.47	0.00	6.00
R3CANCRF	9766	0.04	0.46	0.00	6.00
R4CANCRF	11050	0.03	0.44	0.00	6.00
R5CANCRF	10274	0.03	0.43	0.00	6.00
R6CANCRF	10601	0.03	0.40	0.00	6.00
R7CANCRF	9666	0.02	0.35	0.00	6.00
R8CANCRF	8445	0.02	0.33	0.00	6.00
R9CANCRF	8736	0.01	0.15	0.00	3.00
S1CANCRF	8070	0.04	0.47	0.00	6.00
S2CANCRF	6178	0.03	0.44	0.00	6.00
S3CANCRF	6384	0.03	0.43	0.00	6.00
S4CANCRF	7402	0.04	0.46	0.00	6.00
S5CANCRF	6964	0.03	0.44	0.00	6.00
S6CANCRF	7242	0.03	0.42	0.00	6.00
S7CANCRF	6560	0.02	0.36	0.00	6.00
S8CANCRF	5688	0.02	0.35	0.00	6.00
S9CANCRF	5820	0.01	0.16	0.00	3.00
R1LUNGE	12089	0.06	0.23	0.00	1.00
R2LUNGE	9431	0.06	0.24	0.00	1.00
R3LUNGE	9766	0.06	0.23	0.00	1.00
R4LUNGE	11043	0.06	0.23	0.00	1.00
R5LUNGE	10272	0.06	0.24	0.00	1.00
R6LUNGE	10600	0.06	0.24	0.00	1.00
R7LUNGE	9666	0.06	0.25	0.00	1.00
R8LUNGE	8444	0.07	0.26	0.00	1.00
R9LUNGE	8736	0.07	0.25	0.00	1.00
S1LUNGE	8061	0.05	0.22	0.00	1.00
S2LUNGE	6177	0.05	0.22	0.00	1.00
S3LUNGE	6384	0.05	0.21	0.00	1.00
S4LUNGE	7396	0.05	0.21	0.00	1.00
S5LUNGE	6962	0.05	0.22	0.00	1.00

S6LUNGE	7241	0.05	0.22	0.00	1.00
S7LUNGE	6560	0.05	0.23	0.00	1.00
S8LUNGE	5687	0.06	0.24	0.00	1.00
S9LUNGE	5820	0.06	0.24	0.00	1.00
R1LUNGF	12099	0.07	0.66	0.00	6.00
R2LUNGF	9432	0.07	0.61	0.00	6.00
R3LUNGF	9766	0.05	0.54	0.00	6.00
R4LUNGF	11050	0.05	0.53	0.00	6.00
R5LUNGF	10274	0.04	0.48	0.00	6.00
R6LUNGF	10601	0.03	0.43	0.00	6.00
R7LUNGF	9666	0.03	0.36	0.00	6.00
R8LUNGF	8445	0.02	0.28	0.00	6.00
R9LUNGF	8736	0.01	0.12	0.00	3.00
S1LUNGF	8070	0.06	0.58	0.00	6.00
S2LUNGF	6178	0.05	0.53	0.00	6.00
S3LUNGF	6384	0.04	0.47	0.00	6.00
S4LUNGF	7402	0.04	0.45	0.00	6.00
S5LUNGF	6964	0.03	0.44	0.00	6.00
S6LUNGF	7242	0.03	0.39	0.00	6.00
S7LUNGF	6560	0.02	0.33	0.00	6.00
S8LUNGF	5688	0.01	0.26	0.00	6.00
S9LUNGF	5820	0.00	0.10	0.00	3.00
R1HEARTE	12090	0.17	0.37	0.00	1.00
R2HEARTE	9431	0.18	0.38	0.00	1.00
R3HEARTE	9766	0.17	0.37	0.00	1.00
R4HEARTE	11042	0.16	0.37	0.00	1.00
R5HEARTE	10272	0.19	0.39	0.00	1.00
R6HEARTE	10600	0.19	0.39	0.00	1.00
R7HEARTE	9666	0.21	0.41	0.00	1.00
R8HEARTE	8444	0.24	0.43	0.00	1.00
R9HEARTE	8735	0.24	0.43	0.00	1.00
S1HEARTE	8062	0.15	0.36	0.00	1.00
S2HEARTE	6177	0.16	0.37	0.00	1.00
S3HEARTE	6384	0.15	0.36	0.00	1.00
S4HEARTE	7395	0.15	0.35	0.00	1.00
S5HEARTE	6962	0.17	0.37	0.00	1.00
S6HEARTE	7241	0.17	0.38	0.00	1.00
S7HEARTE	6560	0.20	0.40	0.00	1.00
S8HEARTE	5687	0.23	0.42	0.00	1.00
S9HEARTE	5819	0.23	0.42	0.00	1.00
R1HEARTF	12099	0.33	1.36	0.00	6.00
R2HEARTF	9431	0.40	1.49	0.00	6.00
R3HEARTF	9766	0.37	1.41	0.00	6.00
R4HEARTF	11050	0.28	1.19	0.00	6.00
R5HEARTF	10274	0.21	1.02	0.00	6.00
R6HEARTF	10601	0.13	0.83	0.00	6.00
R7HEARTF	9666	0.09	0.69	0.00	6.00
R8HEARTF	8445	0.05	0.48	0.00	6.00
R9HEARTF	8736	0.01	0.19	0.00	3.00
S1HEARTF	8070	0.33	1.37	0.00	6.00
S2HEARTF	6177	0.39	1.47	0.00	6.00
S3HEARTF	6384	0.35	1.37	0.00	6.00
S4HEARTF	7402	0.26	1.15	0.00	6.00
S5HEARTF	6964	0.20	1.01	0.00	6.00
S6HEARTF	7242	0.13	0.83	0.00	6.00
S7HEARTF	6560	0.10	0.70	0.00	6.00
S8HEARTF	5688	0.05	0.48	0.00	6.00

S9HEARTF	5820	0.01	0.19	0.00	3.00
R1STROKE	12090	0.04	0.20	0.00	1.00
R2STROKE	9431	0.05	0.21	0.00	1.00
R3STROKE	9766	0.04	0.21	0.00	1.00
R4STROKE	11042	0.04	0.20	0.00	1.00
R5STROKE	10272	0.05	0.21	0.00	1.00
R6STROKE	10600	0.05	0.21	0.00	1.00
R7STROKE	9666	0.05	0.21	0.00	1.00
R8STROKE	8444	0.06	0.23	0.00	1.00
R9STROKE	8735	0.05	0.22	0.00	1.00
S1STROKE	8062	0.04	0.19	0.00	1.00
S2STROKE	6177	0.04	0.20	0.00	1.00
S3STROKE	6384	0.04	0.18	0.00	1.00
S4STROKE	7395	0.04	0.19	0.00	1.00
S5STROKE	6962	0.04	0.19	0.00	1.00
S6STROKE	7241	0.04	0.19	0.00	1.00
S7STROKE	6560	0.04	0.19	0.00	1.00
S8STROKE	5687	0.05	0.21	0.00	1.00
S9STROKE	5819	0.05	0.21	0.00	1.00
R1STROKF	12099	0.03	0.44	0.00	6.00
R2STROKF	9431	0.04	0.47	0.00	6.00
R3STROKF	9766	0.03	0.42	0.00	6.00
R4STROKF	11050	0.03	0.39	0.00	6.00
R5STROKF	10274	0.02	0.37	0.00	6.00
R6STROKF	10601	0.02	0.31	0.00	6.00
R7STROKF	9666	0.02	0.30	0.00	6.00
R8STROKF	8445	0.01	0.23	0.00	6.00
R9STROKF	8736	0.00	0.09	0.00	3.00
S1STROKF	8070	0.03	0.45	0.00	6.00
S2STROKF	6177	0.04	0.48	0.00	6.00
S3STROKF	6384	0.03	0.41	0.00	6.00
S4STROKF	7402	0.02	0.37	0.00	6.00
S5STROKF	6964	0.02	0.34	0.00	6.00
S6STROKF	7242	0.02	0.29	0.00	6.00
S7STROKF	6560	0.01	0.25	0.00	6.00
S8STROKF	5688	0.01	0.19	0.00	6.00
S9STROKF	5820	0.00	0.08	0.00	3.00
R1PSYCHE	12089	0.07	0.25	0.00	1.00
R2PSYCHE	9431	0.08	0.28	0.00	1.00
R3PSYCHE	9766	0.09	0.28	0.00	1.00
R4PSYCHE	11043	0.09	0.29	0.00	1.00
R5PSYCHE	10272	0.10	0.30	0.00	1.00
R6PSYCHE	10600	0.10	0.31	0.00	1.00
R7PSYCHE	9666	0.11	0.32	0.00	1.00
R8PSYCHE	8444	0.12	0.33	0.00	1.00
R9PSYCHE	8736	0.12	0.33	0.00	1.00
S1PSYCHE	8061	0.06	0.24	0.00	1.00
S2PSYCHE	6177	0.07	0.26	0.00	1.00
S3PSYCHE	6384	0.07	0.26	0.00	1.00
S4PSYCHE	7396	0.08	0.26	0.00	1.00
S5PSYCHE	6962	0.09	0.28	0.00	1.00
S6PSYCHE	7241	0.09	0.29	0.00	1.00
S7PSYCHE	6560	0.10	0.29	0.00	1.00
S8PSYCHE	5687	0.11	0.31	0.00	1.00
S9PSYCHE	5820	0.11	0.31	0.00	1.00
R1PSYCHF	12099	0.11	0.82	0.00	6.00

R2PSYCHF	9432	0.13	0.88	0.00	6.00
R3PSYCHF	9766	0.15	0.92	0.00	6.00
R4PSYCHF	11050	0.15	0.93	0.00	6.00
R5PSYCHF	10274	0.15	0.93	0.00	6.00
R6PSYCHF	10601	0.13	0.84	0.00	6.00
R7PSYCHF	9666	0.09	0.67	0.00	6.00
R8PSYCHF	8445	0.05	0.45	0.00	6.00
R9PSYCHF	8736	0.01	0.18	0.00	3.00
S1PSYCHF	8070	0.11	0.80	0.00	6.00
S2PSYCHF	6178	0.13	0.85	0.00	6.00
S3PSYCHF	6384	0.14	0.88	0.00	6.00
S4PSYCHF	7402	0.13	0.88	0.00	6.00
S5PSYCHF	6964	0.14	0.90	0.00	6.00
S6PSYCHF	7242	0.12	0.80	0.00	6.00
S7PSYCHF	6560	0.09	0.64	0.00	6.00
S8PSYCHF	5688	0.04	0.44	0.00	6.00
S9PSYCHF	5820	0.01	0.18	0.00	3.00
R1ARTHRE	12089	0.30	0.46	0.00	1.00
R2ARTHRE	9431	0.34	0.47	0.00	1.00
R3ARTHRE	9766	0.34	0.47	0.00	1.00
R4ARTHRE	11042	0.34	0.47	0.00	1.00
R5ARTHRE	10272	0.37	0.48	0.00	1.00
R6ARTHRE	10600	0.37	0.48	0.00	1.00
R7ARTHRE	9666	0.38	0.48	0.00	1.00
R8ARTHRE	8444	0.41	0.49	0.00	1.00
R9ARTHRE	8736	0.40	0.49	0.00	1.00
S1ARTHRE	8061	0.27	0.44	0.00	1.00
S2ARTHRE	6177	0.31	0.46	0.00	1.00
S3ARTHRE	6384	0.30	0.46	0.00	1.00
S4ARTHRE	7395	0.30	0.46	0.00	1.00
S5ARTHRE	6962	0.33	0.47	0.00	1.00
S6ARTHRE	7241	0.33	0.47	0.00	1.00
S7ARTHRE	6560	0.34	0.47	0.00	1.00
S8ARTHRE	5687	0.37	0.48	0.00	1.00
S9ARTHRE	5820	0.36	0.48	0.00	1.00
R1ARTHRF	12099	0.21	1.11	0.00	6.00
R2ARTHRF	9432	0.25	1.18	0.00	6.00
R3ARTHRF	9766	0.22	1.10	0.00	6.00
R4ARTHRF	11050	0.20	1.04	0.00	6.00
R5ARTHRF	10274	0.18	0.98	0.00	6.00
R6ARTHRF	10601	0.14	0.88	0.00	6.00
R7ARTHRF	9666	0.11	0.77	0.00	6.00
R8ARTHRF	8445	0.07	0.58	0.00	6.00
R9ARTHRF	8736	0.02	0.25	0.00	3.00
S1ARTHRF	8070	0.21	1.11	0.00	6.00
S2ARTHRF	6178	0.24	1.16	0.00	6.00
S3ARTHRF	6384	0.21	1.09	0.00	6.00
S4ARTHRF	7402	0.20	1.04	0.00	6.00
S5ARTHRF	6964	0.17	0.98	0.00	6.00
S6ARTHRF	7242	0.13	0.86	0.00	6.00
S7ARTHRF	6560	0.11	0.78	0.00	6.00
S8ARTHRF	5688	0.07	0.57	0.00	6.00
S9ARTHRF	5820	0.02	0.24	0.00	3.00
R1ASTHMAE	12089	0.11	0.31	0.00	1.00
R2ASTHMAE	9431	0.12	0.33	0.00	1.00
R3ASTHMAE	9766	0.13	0.33	0.00	1.00
R4ASTHMAE	11043	0.13	0.33	0.00	1.00

R5ASTHMAE	10272	0.13	0.34	0.00	1.00
R6ASTHMAE	10600	0.13	0.34	0.00	1.00
R7ASTHMAE	9666	0.14	0.34	0.00	1.00
R8ASTHMAE	8444	0.15	0.35	0.00	1.00
R9ASTHMAE	8736	0.15	0.35	0.00	1.00
S1ASTHMAE	8061	0.11	0.31	0.00	1.00
S2ASTHMAE	6177	0.12	0.32	0.00	1.00
S3ASTHMAE	6384	0.12	0.33	0.00	1.00
S4ASTHMAE	7396	0.12	0.33	0.00	1.00
S5ASTHMAE	6962	0.13	0.33	0.00	1.00
S6ASTHMAE	7241	0.13	0.34	0.00	1.00
S7ASTHMAE	6560	0.13	0.34	0.00	1.00
S8ASTHMAE	5687	0.14	0.35	0.00	1.00
S9ASTHMAE	5820	0.14	0.35	0.00	1.00
R1ASTHMAF	12099	0.05	0.56	0.00	6.00
R2ASTHMAF	9432	0.06	0.57	0.00	6.00
R3ASTHMAF	9766	0.06	0.57	0.00	6.00
R4ASTHMAF	11050	0.05	0.54	0.00	6.00
R5ASTHMAF	10274	0.05	0.51	0.00	6.00
R6ASTHMAF	10601	0.04	0.45	0.00	6.00
R7ASTHMAF	9666	0.03	0.39	0.00	6.00
R8ASTHMAF	8445	0.02	0.30	0.00	6.00
R9ASTHMAF	8736	0.01	0.13	0.00	3.00
S1ASTHMAF	8070	0.05	0.53	0.00	6.00
S2ASTHMAF	6178	0.05	0.52	0.00	6.00
S3ASTHMAF	6384	0.05	0.52	0.00	6.00
S4ASTHMAF	7402	0.04	0.51	0.00	6.00
S5ASTHMAF	6964	0.04	0.50	0.00	6.00
S6ASTHMAF	7242	0.04	0.44	0.00	6.00
S7ASTHMAF	6560	0.03	0.40	0.00	6.00
S8ASTHMAF	5688	0.02	0.32	0.00	6.00
S9ASTHMAF	5820	0.01	0.14	0.00	3.00
R2HCHOLE	9423	0.17	0.38	0.00	1.00
R3HCHOLE	9766	0.27	0.44	0.00	1.00
R4HCHOLE	11042	0.30	0.46	0.00	1.00
R5HCHOLE	10271	0.36	0.48	0.00	1.00
R6HCHOLE	10599	0.36	0.48	0.00	1.00
R7HCHOLE	9666	0.39	0.49	0.00	1.00
R8HCHOLE	8444	0.42	0.49	0.00	1.00
R9HCHOLE	8734	0.40	0.49	0.00	1.00
S2HCHOLE	6171	0.18	0.38	0.00	1.00
S3HCHOLE	6384	0.26	0.44	0.00	1.00
S4HCHOLE	7395	0.29	0.45	0.00	1.00
S5HCHOLE	6962	0.35	0.48	0.00	1.00
S6HCHOLE	7240	0.36	0.48	0.00	1.00
S7HCHOLE	6560	0.37	0.48	0.00	1.00
S8HCHOLE	5687	0.40	0.49	0.00	1.00
S9HCHOLE	5818	0.38	0.49	0.00	1.00
R2HCHOLF	9432	0.25	1.20	0.00	6.00
R3HCHOLF	9766	0.27	1.23	0.00	6.00
R4HCHOLF	11050	0.27	1.22	0.00	6.00
R5HCHOLF	10274	0.26	1.21	0.00	6.00
R6HCHOLF	10601	0.22	1.07	0.00	6.00
R7HCHOLF	9666	0.17	0.92	0.00	6.00
R8HCHOLF	8445	0.11	0.73	0.00	6.00
R9HCHOLF	8736	0.04	0.33	0.00	3.00

S2HCHOLF	6178	0.26	1.21	0.00	6.00
S3HCHOLF	6384	0.26	1.22	0.00	6.00
S4HCHOLF	7402	0.25	1.19	0.00	6.00
S5HCHOLF	6964	0.25	1.18	0.00	6.00
S6HCHOLF	7242	0.20	1.03	0.00	6.00
S7HCHOLF	6560	0.15	0.88	0.00	6.00
S8HCHOLF	5688	0.09	0.68	0.00	6.00
S9HCHOLF	5820	0.03	0.30	0.00	3.00
R1CATRACTE	12084	0.12	0.33	0.00	1.00
R2CATRACTE	9423	0.15	0.36	0.00	1.00
R3CATRACTE	9766	0.16	0.37	0.00	1.00
R4CATRACTE	11042	0.17	0.38	0.00	1.00
R5CATRACTE	10272	0.21	0.41	0.00	1.00
R6CATRACTE	10598	0.23	0.42	0.00	1.00
R7CATRACTE	9666	0.26	0.44	0.00	1.00
R8CATRACTE	8444	0.32	0.47	0.00	1.00
R9CATRACTE	8736	0.33	0.47	0.00	1.00
S1CATRACTE	8061	0.09	0.29	0.00	1.00
S2CATRACTE	6173	0.11	0.32	0.00	1.00
S3CATRACTE	6384	0.11	0.32	0.00	1.00
S4CATRACTE	7396	0.14	0.34	0.00	1.00
S5CATRACTE	6962	0.16	0.37	0.00	1.00
S6CATRACTE	7240	0.18	0.39	0.00	1.00
S7CATRACTE	6560	0.22	0.41	0.00	1.00
S8CATRACTE	5687	0.27	0.44	0.00	1.00
S9CATRACTE	5820	0.29	0.45	0.00	1.00
R1CATRCTF	12099	0.25	1.21	0.00	6.00
R2CATRCTF	9432	0.30	1.28	0.00	6.00
R3CATRCTF	9766	0.27	1.22	0.00	6.00
R4CATRCTF	11050	0.26	1.20	0.00	6.00
R5CATRCTF	10274	0.25	1.18	0.00	6.00
R6CATRCTF	10601	0.21	1.06	0.00	6.00
R7CATRCTF	9666	0.18	0.97	0.00	6.00
R8CATRCTF	8445	0.13	0.81	0.00	6.00
R9CATRCTF	8736	0.05	0.37	0.00	3.00
S1CATRCTF	8070	0.25	1.20	0.00	6.00
S2CATRCTF	6178	0.28	1.25	0.00	6.00
S3CATRCTF	6384	0.25	1.17	0.00	6.00
S4CATRCTF	7402	0.25	1.18	0.00	6.00
S5CATRCTF	6964	0.24	1.15	0.00	6.00
S6CATRCTF	7242	0.20	1.05	0.00	6.00
S7CATRCTF	6560	0.17	0.96	0.00	6.00
S8CATRCTF	5688	0.12	0.79	0.00	6.00
S9CATRCTF	5820	0.04	0.36	0.00	3.00
R1PARKINE	12089	0.00	0.07	0.00	1.00
R2PARKINE	9431	0.01	0.08	0.00	1.00
R3PARKINE	9766	0.01	0.08	0.00	1.00
R4PARKINE	11043	0.01	0.08	0.00	1.00
R5PARKINE	10272	0.01	0.08	0.00	1.00
R6PARKINE	10600	0.01	0.09	0.00	1.00
R7PARKINE	9666	0.01	0.09	0.00	1.00
R8PARKINE	8444	0.01	0.10	0.00	1.00
R9PARKINE	8736	0.01	0.09	0.00	1.00
S1PARKINE	8061	0.00	0.07	0.00	1.00
S2PARKINE	6177	0.01	0.07	0.00	1.00
S3PARKINE	6384	0.01	0.08	0.00	1.00
S4PARKINE	7396	0.01	0.08	0.00	1.00



S5PARKINE	6962	0.01	0.08	0.00	1.00
S6PARKINE	7241	0.01	0.09	0.00	1.00
S7PARKINE	6560	0.01	0.09	0.00	1.00
S8PARKINE	5687	0.01	0.10	0.00	1.00
S9PARKINE	5820	0.01	0.10	0.00	1.00
R1PARKINF	12099	0.00	0.16	0.00	6.00
R2PARKINF	9432	0.01	0.18	0.00	6.00
R3PARKINF	9766	0.00	0.15	0.00	6.00
R4PARKINF	11050	0.00	0.16	0.00	6.00
R5PARKINF	10274	0.00	0.15	0.00	6.00
R6PARKINF	10601	0.00	0.13	0.00	6.00
R7PARKINF	9666	0.00	0.11	0.00	6.00
R8PARKINF	8445	0.00	0.10	0.00	6.00
R9PARKINF	8736	0.00	0.05	0.00	3.00
S1PARKINF	8070	0.00	0.15	0.00	6.00
S2PARKINF	6178	0.00	0.17	0.00	6.00
S3PARKINF	6384	0.00	0.15	0.00	6.00
S4PARKINF	7402	0.00	0.13	0.00	6.00
S5PARKINF	6964	0.00	0.10	0.00	6.00
S6PARKINF	7242	0.00	0.09	0.00	6.00
S7PARKINF	6560	0.00	0.00	0.00	0.00
S8PARKINF	5688	0.00	0.08	0.00	6.00
S9PARKINF	5820	0.00	0.00	0.00	0.00
R1HIPE	6922	0.02	0.13	0.00	1.00
R2HIPE	6188	0.03	0.16	0.00	1.00
R3HIPE	5904	0.02	0.15	0.00	1.00
R4HIPE	7316	0.02	0.14	0.00	1.00
R5HIPE	7525	0.02	0.14	0.00	1.00
R6HIPE	7658	0.02	0.15	0.00	1.00
R7HIPE	7401	0.02	0.15	0.00	1.00
R8HIPE	7092	0.02	0.15	0.00	1.00
R9HIPE	6666	0.03	0.16	0.00	1.00
S1HIPE	4141	0.01	0.11	0.00	1.00
S2HIPE	3691	0.01	0.12	0.00	1.00
S3HIPE	3471	0.01	0.12	0.00	1.00
S4HIPE	4555	0.01	0.10	0.00	1.00
S5HIPE	4807	0.01	0.11	0.00	1.00
S6HIPE	4997	0.01	0.12	0.00	1.00
S7HIPE	4832	0.02	0.13	0.00	1.00
S8HIPE	4655	0.02	0.13	0.00	1.00
S9HIPE	4331	0.02	0.14	0.00	1.00
R1ANGINE	12090	0.09	0.29	0.00	1.00
R2ANGINE	9431	0.10	0.29	0.00	1.00
R3ANGINE	9766	0.08	0.28	0.00	1.00
R4ANGINE	11042	0.08	0.26	0.00	1.00
R5ANGINE	10272	0.08	0.27	0.00	1.00
R6ANGINE	10600	0.07	0.26	0.00	1.00
R7ANGINE	9666	0.07	0.25	0.00	1.00
R8ANGINE	8444	0.07	0.26	0.00	1.00
R9ANGINE	8735	0.06	0.24	0.00	1.00
S1ANGINE	8062	0.09	0.28	0.00	1.00
S2ANGINE	6177	0.09	0.29	0.00	1.00
S3ANGINE	6384	0.08	0.26	0.00	1.00
S4ANGINE	7395	0.07	0.25	0.00	1.00
S5ANGINE	6962	0.07	0.25	0.00	1.00
S6ANGINE	7241	0.06	0.24	0.00	1.00
S7ANGINE	6560	0.06	0.24	0.00	1.00

S8ANGINE	5687	0.06	0.24	0.00	1.00
S9ANGINE	5819	0.05	0.22	0.00	1.00
R1ANGINF	12099	0.06	0.57	0.00	6.00
R2ANGINF	9431	0.07	0.62	0.00	6.00
R3ANGINF	9766	0.06	0.54	0.00	6.00
R4ANGINF	11050	0.04	0.46	0.00	6.00
R5ANGINF	10274	0.03	0.38	0.00	6.00
R6ANGINF	10601	0.01	0.25	0.00	6.00
R7ANGINF	9666	0.01	0.19	0.00	6.00
R8ANGINF	8445	0.00	0.09	0.00	3.00
R9ANGINF	8736	0.00	0.00	0.00	0.00
S1ANGINF	8070	0.00	0.00	0.00	0.00
S2ANGINF	6177	0.00	0.07	0.00	3.00
S3ANGINF	6384	0.01	0.18	0.00	3.00
S4ANGINF	7402	0.00	0.12	0.00	3.00
S5ANGINF	6964	0.01	0.15	0.00	3.00
S6ANGINF	7242	0.01	0.14	0.00	3.00
S7ANGINF	6560	0.00	0.07	0.00	3.00
S8ANGINF	5688	0.00	0.09	0.00	3.00
S9ANGINF	5820	0.00	0.00	0.00	0.00
R1HRTATTE	12090	0.06	0.23	0.00	1.00
R2HRTATTE	9431	0.06	0.23	0.00	1.00
R3HRTATTE	9766	0.05	0.22	0.00	1.00
R4HRTATTE	11042	0.05	0.21	0.00	1.00
R5HRTATTE	10272	0.05	0.22	0.00	1.00
R6HRTATTE	10600	0.05	0.22	0.00	1.00
R7HRTATTE	9666	0.05	0.22	0.00	1.00
R8HRTATTE	8444	0.05	0.22	0.00	1.00
R9HRTATTE	8735	0.05	0.22	0.00	1.00
S1HRTATTE	8062	0.06	0.23	0.00	1.00
S2HRTATTE	6177	0.06	0.23	0.00	1.00
S3HRTATTE	6384	0.05	0.22	0.00	1.00
S4HRTATTE	7395	0.04	0.20	0.00	1.00
S5HRTATTE	6962	0.05	0.21	0.00	1.00
S6HRTATTE	7241	0.04	0.20	0.00	1.00
S7HRTATTE	6560	0.05	0.21	0.00	1.00
S8HRTATTE	5687	0.05	0.21	0.00	1.00
S9HRTATTE	5819	0.05	0.21	0.00	1.00
R1HRTATTF	12099	0.03	0.42	0.00	6.00
R2HRTATTF	9431	0.04	0.47	0.00	6.00
R3HRTATTF	9766	0.03	0.41	0.00	6.00
R4HRTATTF	11050	0.02	0.35	0.00	6.00
R5HRTATTF	10274	0.02	0.31	0.00	6.00
R6HRTATTF	10601	0.01	0.26	0.00	6.00
R7HRTATTF	9666	0.01	0.23	0.00	6.00
R8HRTATTF	8445	0.00	0.11	0.00	3.00
R9HRTATTF	8736	0.00	0.00	0.00	0.00
S1HRTATTF	8070	0.00	0.00	0.00	0.00
S2HRTATTF	6177	0.00	0.05	0.00	3.00
S3HRTATTF	6384	0.00	0.11	0.00	3.00
S4HRTATTF	7402	0.00	0.08	0.00	3.00
S5HRTATTF	6964	0.00	0.09	0.00	3.00
S6HRTATTF	7242	0.00	0.07	0.00	3.00
S7HRTATTF	6560	0.00	0.08	0.00	3.00
S8HRTATTF	5688	0.00	0.11	0.00	3.00
S9HRTATTF	5820	0.00	0.00	0.00	0.00

R1CONHRTFE	12090	0.01	0.09	0.00	1.00
R2CONHRTFE	9431	0.01	0.09	0.00	1.00
R3CONHRTFE	9766	0.01	0.08	0.00	1.00
R4CONHRTFE	11042	0.01	0.08	0.00	1.00
R5CONHRTFE	10272	0.01	0.08	0.00	1.00
R6CONHRTFE	10600	0.01	0.08	0.00	1.00
R7CONHRTFE	9666	0.01	0.09	0.00	1.00
R8CONHRTFE	8444	0.01	0.11	0.00	1.00
R9CONHRTFE	8735	0.01	0.11	0.00	1.00
S1CONHRTFE	8062	0.01	0.08	0.00	1.00
S2CONHRTFE	6177	0.01	0.08	0.00	1.00
S3CONHRTFE	6384	0.01	0.07	0.00	1.00
S4CONHRTFE	7395	0.00	0.07	0.00	1.00
S5CONHRTFE	6962	0.01	0.07	0.00	1.00
S6CONHRTFE	7241	0.01	0.08	0.00	1.00
S7CONHRTFE	6560	0.01	0.09	0.00	1.00
S8CONHRTFE	5687	0.01	0.11	0.00	1.00
S9CONHRTFE	5819	0.01	0.10	0.00	1.00
R1CONHRTFF	12099	0.01	0.25	0.00	6.00
R2CONHRTFF	9431	0.01	0.27	0.00	6.00
R3CONHRTFF	9766	0.01	0.22	0.00	6.00
R4CONHRTFF	11050	0.01	0.18	0.00	6.00
R5CONHRTFF	10274	0.00	0.14	0.00	6.00
R6CONHRTFF	10601	0.00	0.13	0.00	6.00
R7CONHRTFF	9666	0.00	0.11	0.00	6.00
R8CONHRTFF	8445	0.00	0.09	0.00	6.00
R9CONHRTFF	8736	0.00	0.05	0.00	3.00
S1CONHRTFF	8070	0.00	0.00	0.00	0.00
S2CONHRTFF	6177	0.00	0.00	0.00	0.00
S3CONHRTFF	6384	0.00	0.05	0.00	3.00
S4CONHRTFF	7402	0.00	0.06	0.00	3.00
S5CONHRTFF	6964	0.00	0.04	0.00	3.00
S6CONHRTFF	7242	0.00	0.00	0.00	0.00
S7CONHRTFF	6560	0.00	0.05	0.00	3.00
S8CONHRTFF	5688	0.00	0.00	0.00	0.00
S9CONHRTFF	5820	0.00	0.04	0.00	3.00
R1HRTMRE	12090	0.04	0.20	0.00	1.00
R2HRTMRE	9431	0.05	0.22	0.00	1.00
R3HRTMRE	9766	0.05	0.21	0.00	1.00
R4HRTMRE	11042	0.04	0.21	0.00	1.00
R5HRTMRE	10272	0.05	0.22	0.00	1.00
R6HRTMRE	10600	0.05	0.22	0.00	1.00
R7HRTMRE	9666	0.06	0.23	0.00	1.00
R8HRTMRE	8444	0.06	0.23	0.00	1.00
R9HRTMRE	8735	0.06	0.23	0.00	1.00
S1HRTMRE	8062	0.04	0.20	0.00	1.00
S2HRTMRE	6177	0.05	0.21	0.00	1.00
S3HRTMRE	6384	0.05	0.21	0.00	1.00
S4HRTMRE	7395	0.04	0.21	0.00	1.00
S5HRTMRE	6962	0.05	0.21	0.00	1.00
S6HRTMRE	7241	0.05	0.22	0.00	1.00
S7HRTMRE	6560	0.05	0.22	0.00	1.00
S8HRTMRE	5687	0.05	0.23	0.00	1.00
S9HRTMRE	5819	0.05	0.23	0.00	1.00
R1HRTMRF	12099	0.04	0.51	0.00	6.00
R2HRTMRF	9431	0.05	0.55	0.00	6.00
R3HRTMRF	9766	0.05	0.50	0.00	6.00

R4HRTMRF	11050	0.04	0.45	0.00	6.00
R5HRTMRF	10274	0.03	0.43	0.00	6.00
R6HRTMRF	10601	0.02	0.35	0.00	6.00
R7HRTMRF	9666	0.02	0.30	0.00	6.00
R8HRTMRF	8445	0.01	0.21	0.00	6.00
R9HRTMRF	8736	0.00	0.08	0.00	3.00
S1HRTMRF	8070	0.00	0.00	0.00	0.00
S2HRTMRF	6177	0.00	0.04	0.00	3.00
S3HRTMRF	6384	0.01	0.14	0.00	3.00
S4HRTMRF	7402	0.00	0.10	0.00	3.00
S5HRTMRF	6964	0.00	0.10	0.00	3.00
S6HRTMRF	7242	0.00	0.11	0.00	3.00
S7HRTMRF	6560	0.00	0.11	0.00	3.00
S8HRTMRF	5688	0.01	0.13	0.00	3.00
S9HRTMRF	5820	0.00	0.09	0.00	3.00
R1HRTRHME	12090	0.06	0.24	0.00	1.00
R2HRTRHME	9431	0.08	0.27	0.00	1.00
R3HRTRHME	9766	0.08	0.27	0.00	1.00
R4HRTRHME	11042	0.08	0.27	0.00	1.00
R5HRTRHME	10272	0.10	0.30	0.00	1.00
R6HRTRHME	10600	0.10	0.30	0.00	1.00
R7HRTRHME	9666	0.11	0.32	0.00	1.00
R8HRTRHME	8444	0.13	0.34	0.00	1.00
R9HRTRHME	8735	0.13	0.34	0.00	1.00
S1HRTRHME	8062	0.06	0.24	0.00	1.00
S2HRTRHME	6177	0.08	0.27	0.00	1.00
S3HRTRHME	6384	0.08	0.27	0.00	1.00
S4HRTRHME	7395	0.08	0.27	0.00	1.00
S5HRTRHME	6962	0.09	0.29	0.00	1.00
S6HRTRHME	7241	0.10	0.30	0.00	1.00
S7HRTRHME	6560	0.11	0.31	0.00	1.00
S8HRTRHME	5687	0.13	0.33	0.00	1.00
S9HRTRHME	5819	0.13	0.33	0.00	1.00
R1HRTRHMF	12099	0.06	0.60	0.00	6.00
R2HRTRHMF	9431	0.07	0.66	0.00	6.00
R3HRTRHMF	9766	0.07	0.61	0.00	6.00
R4HRTRHMF	11050	0.06	0.57	0.00	6.00
R5HRTRHMF	10274	0.06	0.56	0.00	6.00
R6HRTRHMF	10601	0.04	0.50	0.00	6.00
R7HRTRHMF	9666	0.03	0.41	0.00	6.00
R8HRTRHMF	8445	0.02	0.28	0.00	6.00
R9HRTRHMF	8736	0.00	0.12	0.00	3.00
S1HRTRHMF	8070	0.00	0.00	0.00	0.00
S2HRTRHMF	6177	0.00	0.08	0.00	3.00
S3HRTRHMF	6384	0.01	0.15	0.00	3.00
S4HRTRHMF	7402	0.00	0.09	0.00	3.00
S5HRTRHMF	6964	0.01	0.13	0.00	3.00
S6HRTRHMF	7242	0.01	0.13	0.00	3.00
S7HRTRHMF	6560	0.01	0.16	0.00	3.00
S8HRTRHMF	5688	0.01	0.17	0.00	3.00
S9HRTRHMF	5820	0.00	0.10	0.00	3.00
R1OSTEOE	12089	0.04	0.20	0.00	1.00
R2OSTEOE	9431	0.06	0.23	0.00	1.00
R3OSTEOE	9766	0.06	0.23	0.00	1.00
R4OSTEOE	11043	0.06	0.24	0.00	1.00
R5OSTEOE	10272	0.07	0.26	0.00	1.00
R6OSTEOE	10600	0.07	0.26	0.00	1.00

R7OSTEOE	9666	0.08	0.27	0.00	1.00
R8OSTEOE	8444	0.09	0.29	0.00	1.00
R9OSTEOE	8736	0.09	0.28	0.00	1.00
S1OSTEOE	8061	0.04	0.19	0.00	1.00
S2OSTEOE	6177	0.05	0.22	0.00	1.00
S3OSTEOE	6384	0.05	0.22	0.00	1.00
S4OSTEOE	7396	0.05	0.23	0.00	1.00
S5OSTEOE	6962	0.06	0.24	0.00	1.00
S6OSTEOE	7241	0.06	0.24	0.00	1.00
S7OSTEOE	6560	0.07	0.25	0.00	1.00
S8OSTEOE	5687	0.07	0.26	0.00	1.00
S9OSTEOE	5820	0.07	0.25	0.00	1.00
R1OSTEOF	12099	0.13	0.86	0.00	6.00
R2OSTEOF	9432	0.14	0.90	0.00	6.00
R3OSTEOF	9766	0.13	0.85	0.00	6.00
R4OSTEOF	11050	0.11	0.80	0.00	6.00
R5OSTEOF	10274	0.11	0.78	0.00	6.00
R6OSTEOF	10601	0.09	0.70	0.00	6.00
R7OSTEOF	9666	0.07	0.61	0.00	6.00
R8OSTEOF	8445	0.05	0.48	0.00	6.00
R9OSTEOF	8736	0.01	0.21	0.00	3.00
S1OSTEOF	8070	0.00	0.00	0.00	0.00
S2OSTEOF	6178	0.01	0.17	0.00	3.00
S3OSTEOF	6384	0.01	0.17	0.00	3.00
S4OSTEOF	7402	0.01	0.15	0.00	3.00
S5OSTEOF	6964	0.01	0.16	0.00	3.00
S6OSTEOF	7242	0.01	0.15	0.00	3.00
S7OSTEOF	6560	0.01	0.21	0.00	3.00
S8OSTEOF	5688	0.02	0.22	0.00	3.00
S9OSTEOF	5820	0.01	0.19	0.00	3.00

### Categorical Variable Codes

Value-----	R1HIBPE	R2HIBPE	R3HIBPE	R4HIBPE	R5HIBPE
.d:DK	6			4	1
.m:Missing		1			
.r:Refuse	3			4	1
0.no	7798	5582	5819	6667	5881
1.yes	4292	3849	3947	4375	4391

Value-----	R6HIBPE	R7HIBPE	R8HIBPE	R9HIBPE
.d:DK				1
.r:Refuse	1		1	
0.no	6165	5549	4688	5023
1.yes	4435	4117	3756	3712

Value-----	S1HIBPE	S2HIBPE	S3HIBPE	S4HIBPE	S5HIBPE
.d:DK	5			3	1
.m:Missing		1			
.r:Refuse	3			4	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	5311	3766	3966	4663	4195
1.yes	2751	2411	2418	2732	2767

Value-----	S6HIBPE	S7HIBPE	S8HIBPE	S9HIBPE
.d:DK				1
.r:Refuse	1		1	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	4404	3958	3335	3525
1.yes	2837	2602	2352	2294

Value-----	R1HIBPF	R2HIBPF	R3HIBPF	R4HIBPF	R5HIBPF
.m:Missing		1			
0.No dispute, no change	11755	9105	9437	10718	9969
3.Disp, set to N		37	69	46	51
6.Disp aft, set to N	344	289	260	286	254
Value-----	R6HIBPF	R7HIBPF	R8HIBPF	R9HIBPF	
0.No dispute, no change	10321	9458	8326	8686	
3.Disp, set to N	80	91	71	50	
6.Disp aft, set to N	200	117	48		
Value-----	S1HIBPF	S2HIBPF	S3HIBPF	S4HIBPF	S5HIBPF
.m:Missing		1			
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	7843	5974	6192	7198	6783
3.Disp, set to N		23	39	28	31
6.Disp aft, set to N	227	180	153	176	150
Value-----	S6HIBPF	S7HIBPF	S8HIBPF	S9HIBPF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7072	6436	5615	5796	
3.Disp, set to N	46	50	49	24	
6.Disp aft, set to N	124	74	24		
Value-----	R1DIABE	R2DIABE	R3DIABE	R4DIABE	R5DIABE
.d:DK	6			4	1
.m:Missing		1			
.r:Refuse	3			4	1
0.no	11250	8682	8922	10033	9170
1.yes	840	749	844	1009	1102
Value-----	R6DIABE	R7DIABE	R8DIABE	R9DIABE	
.d:DK				1	
.r:Refuse	1		1		
0.no	9429	8518	7370	7594	
1.yes	1171	1148	1074	1141	
Value-----	S1DIABE	S2DIABE	S3DIABE	S4DIABE	S5DIABE
.d:DK	5			3	1
.m:Missing		1			
.r:Refuse	3			4	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	7517	5698	5867	6769	6282
1.yes	545	479	517	626	680
Value-----	S6DIABE	S7DIABE	S8DIABE	S9DIABE	
.d:DK				1	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6505	5849	5019	5109	
1.yes	736	711	668	710	
Value-----	R1DIABF	R2DIABF	R3DIABF	R4DIABF	R5DIABF
.m:Missing		1			
0.No dispute, no change	11977	9316	9642	10916	10158
3.Disp, set to N		7	24	23	22
6.Disp aft, set to N	122	108	100	111	94
Value-----	R6DIABF	R7DIABF	R8DIABF	R9DIABF	
0.No dispute, no change	10497	9588	8392	8709	
3.Disp, set to N	30	27	28	27	
6.Disp aft, set to N	74	51	25		
Value-----	S1DIABF	S2DIABF	S3DIABF	S4DIABF	S5DIABF
.m:Missing		1			
.u:Unmar	3561	2671	2706	2932	2742

.v:SP NR	468	583	676	716	568
0.No dispute, no change	7988	6099	6303	7311	6885
3.Disp, set to N		6	15	14	13
6.Disp aft, set to N	82	72	66	77	66
Value-----	S6DIABF	S7DIABF	S8DIABF	S9DIABF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7169	6504	5650	5801	
3.Disp, set to N	17	21	18	19	
6.Disp aft, set to N	56	35	20		
Value-----	R1CANCRE	R2CANCRE	R3CANCRE	R4CANCRE	R5CANCRE
.d:DK	6			4	1
.r:Refuse	4	1		3	1
0.no	11387	8756	9055	10183	9277
1.yes	702	675	711	860	995
Value-----	R6CANCRE	R7CANCRE	R8CANCRE	R9CANCRE	
.r:Refuse	1		1		
0.no	9500	8528	7328	7587	
1.yes	1100	1138	1116	1149	
Value-----	S1CANCRE	S2CANCRE	S3CANCRE	S4CANCRE	S5CANCRE
.d:DK	6			3	1
.r:Refuse	3	1		3	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	7627	5745	5947	6828	6326
1.yes	434	432	437	568	636
Value-----	S6CANCRE	S7CANCRE	S8CANCRE	S9CANCRE	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6518	5823	4965	5091	
1.yes	723	737	722	729	
Value-----	R1CANCRF	R2CANCRF	R3CANCRF	R4CANCRF	R5CANCRF
0.No dispute, no change	12025	9362	9702	10981	10217
3.Disp, set to N		14	9	11	6
6.Disp aft, set to N	74	56	55	58	51
Value-----	R6CANCRF	R7CANCRF	R8CANCRF	R9CANCRF	
0.No dispute, no change	10547	9624	8412	8713	
3.Disp, set to N	10	13	10	23	
6.Disp aft, set to N	44	29	23		
Value-----	S1CANCRF	S2CANCRF	S3CANCRF	S4CANCRF	S5CANCRF
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	8020	6139	6349	7355	6923
3.Disp, set to N		8	3	5	4
6.Disp aft, set to N	50	31	32	42	37
Value-----	S6CANCRF	S7CANCRF	S8CANCRF	S9CANCRF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7202	6529	5663	5803	
3.Disp, set to N	6	9	8	17	
6.Disp aft, set to N	34	22	17		
Value-----	R1LUNGE	R2LUNGE	R3LUNGE	R4LUNGE	R5LUNGE
.d:DK	6			4	1
.r:Refuse	4	1		3	1
0.no	11419	8845	9224	10429	9647
1.yes	670	586	542	614	625
Value-----	R6LUNGE	R7LUNGE	R8LUNGE	R9LUNGE	
.r:Refuse	1		1		
0.no	9944	9041	7841	8144	

1.yes	656	625	603	592	
Value-----	S1LUNGE	S2LUNGE	S3LUNGE	S4LUNGE	S5LUNGE
.d:DK	6			3	1
.r:Refuse	3	1		3	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	7668	5847	6090	7060	6616
1.yes	393	330	294	336	346
Value-----	S6LUNGE	S7LUNGE	S8LUNGE	S9LUNGE	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6880	6206	5332	5470	
1.yes	361	354	355	350	
Value-----	R1LUNGF	R2LUNGF	R3LUNGF	R4LUNGF	R5LUNGF
0.No dispute, no change	11950	9292	9665	10951	10190
3.Disp, set to N		56	28	18	22
6.Disp aft, set to N	149	84	73	81	62
Value-----	R6LUNGF	R7LUNGF	R8LUNGF	R9LUNGF	
0.No dispute, no change	10532	9613	8415	8721	
3.Disp, set to N	19	23	16	15	
6.Disp aft, set to N	50	30	14		
Value-----	S1LUNGF	S2LUNGF	S3LUNGF	S4LUNGF	S5LUNGF
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	7994	6105	6334	7349	6921
3.Disp, set to N		33	13	14	8
6.Disp aft, set to N	76	40	37	39	35
Value-----	S6LUNGF	S7LUNGF	S8LUNGF	S9LUNGF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7203	6533	5671	5813	
3.Disp, set to N	12	10	8	7	
6.Disp aft, set to N	27	17	9		
Value-----	R1HEARTE	R2HEARTE	R3HEARTE	R4HEARTE	R5HEARTE
.d:DK	6			4	1
.m:Missing		1			
.r:Refuse	3			4	1
0.no	10072	7736	8153	9239	8347
1.yes	2018	1695	1613	1803	1925
Value-----	R6HEARTE	R7HEARTE	R8HEARTE	R9HEARTE	
.d:DK				1	
.r:Refuse	1		1		
0.no	8570	7613	6416	6651	
1.yes	2030	2053	2028	2084	
Value-----	S1HEARTE	S2HEARTE	S3HEARTE	S4HEARTE	S5HEARTE
.d:DK	5			3	1
.m:Missing		1			
.r:Refuse	3			4	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	6820	5160	5435	6316	5806
1.yes	1242	1017	949	1079	1156
Value-----	S6HEARTE	S7HEARTE	S8HEARTE	S9HEARTE	
.d:DK				1	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	5988	5275	4398	4508	
1.yes	1253	1285	1289	1311	



Value-----	R1HEARTF	R2HEARTF	R3HEARTF	R4HEARTF	R5HEARTF
.m:Missing		1			
0.No dispute, no change	11440	8793	9108	10441	9830
3.Disp, set to N		21	108	203	180
6.Disp aft, set to N	659	617	550	406	264
Value-----	R6HEARTF	R7HEARTF	R8HEARTF	R9HEARTF	
0.No dispute, no change	10319	9477	8329	8701	
3.Disp, set to N	99	76	83	35	
6.Disp aft, set to N	183	113	33		
Value-----	S1HEARTF	S2HEARTF	S3HEARTF	S4HEARTF	S5HEARTF
.m:Missing		1			
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	7627	5770	5983	7025	6676
3.Disp, set to N		12	59	119	110
6.Disp aft, set to N	443	395	342	258	178
Value-----	S6HEARTF	S7HEARTF	S8HEARTF	S9HEARTF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7057	6429	5611	5797	
3.Disp, set to N	58	54	53	23	
6.Disp aft, set to N	127	77	24		
Value-----	R1STROKE	R2STROKE	R3STROKE	R4STROKE	R5STROKE
.d:DK	6			4	1
.m:Missing		1			
.r:Refuse	3			4	1
0.no	11601	8987	9328	10574	9803
1.yes	489	444	438	468	469
Value-----	R6STROKE	R7STROKE	R8STROKE	R9STROKE	
.d:DK				1	
.r:Refuse	1		1		
0.no	10110	9207	7972	8296	
1.yes	490	459	472	439	
Value-----	S1STROKE	S2STROKE	S3STROKE	S4STROKE	S5STROKE
.d:DK	5			3	1
.m:Missing		1			
.r:Refuse	3			4	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	7775	5928	6158	7128	6700
1.yes	287	249	226	267	262
Value-----	S6STROKE	S7STROKE	S8STROKE	S9STROKE	
.d:DK				1	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6967	6305	5416	5552	
1.yes	274	255	271	267	
Value-----	R1STROKF	R2STROKF	R3STROKF	R4STROKF	R5STROKF
.m:Missing		1			
0.No dispute, no change	12035	9373	9706	10996	10227
3.Disp, set to N			15	9	11
6.Disp aft, set to N	64	58	45	45	36
Value-----	R6STROKF	R7STROKF	R8STROKF	R9STROKF	
0.No dispute, no change	10564	9640	8421	8728	
3.Disp, set to N	11	3	16	8	
6.Disp aft, set to N	26	23	8		
Value-----	S1STROKF	S2STROKF	S3STROKF	S4STROKF	S5STROKF
.m:Missing		1			
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568

0.No dispute, no change	8024	6138	6346	7369	6936
3.Disp, set to N			10	6	8
6.Disp aft, set to N	46	39	28	27	20
Value-----	S6STROKF	S7STROKF	S8STROKF	S9STROKF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7220	6547	5676	5816	
3.Disp, set to N	7	2	8	4	
6.Disp aft, set to N	15	11	4		
Value-----	R1PSYCHE	R2PSYCHE	R3PSYCHE	R4PSYCHE	R5PSYCHE
.d:DK	6			4	1
.r:Refuse	4	1		3	1
0.no	11277	8647	8915	10056	9280
1.yes	812	784	851	987	992
Value-----	R6PSYCHE	R7PSYCHE	R8PSYCHE	R9PSYCHE	
.r:Refuse	1		1		
0.no	9492	8584	7403	7650	
1.yes	1108	1082	1041	1086	
Value-----	S1PSYCHE	S2PSYCHE	S3PSYCHE	S4PSYCHE	S5PSYCHE
.d:DK	6			3	1
.r:Refuse	3	1		3	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	7588	5727	5906	6836	6366
1.yes	473	450	478	560	596
Value-----	S6PSYCHE	S7PSYCHE	S8PSYCHE	S9PSYCHE	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6575	5932	5082	5192	
1.yes	666	628	605	628	
Value-----	R1PSYCHF	R2PSYCHF	R3PSYCHF	R4PSYCHF	R5PSYCHF
0.No dispute, no change	11870	9216	9516	10759	9996
3.Disp, set to N		14	16	27	30
6.Disp aft, set to N	229	202	234	264	248
Value-----	R6PSYCHF	R7PSYCHF	R8PSYCHF	R9PSYCHF	
0.No dispute, no change	10335	9460	8347	8704	
3.Disp, set to N	69	110	68	32	
6.Disp aft, set to N	197	96	30		
Value-----	S1PSYCHF	S2PSYCHF	S3PSYCHF	S4PSYCHF	S5PSYCHF
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	7924	6044	6236	7228	6792
3.Disp, set to N		8	8	15	16
6.Disp aft, set to N	146	126	140	159	156
Value-----	S6PSYCHF	S7PSYCHF	S8PSYCHF	S9PSYCHF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7082	6435	5629	5798	
3.Disp, set to N	39	64	37	22	
6.Disp aft, set to N	121	61	22		
Value-----	R1ARTHRE	R2ARTHRE	R3ARTHRE	R4ARTHRE	R5ARTHRE
.d:DK	6			4	1
.m:Missing				1	
.r:Refuse	4	1		3	1
0.no	8464	6189	6485	7303	6483
1.yes	3625	3242	3281	3739	3789
Value-----	R6ARTHRE	R7ARTHRE	R8ARTHRE	R9ARTHRE	
.r:Refuse	1		1		
0.no	6685	6013	4980	5282	

1.yes	3915	3653	3464	3454	
Value-----	S1ARTHRE	S2ARTHRE	S3ARTHRE	S4ARTHRE	S5ARTHRE
.d:DK	6			3	1
.m:Missing				1	
.r:Refuse	3	1		3	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	5886	4258	4475	5155	4665
1.yes	2175	1919	1909	2240	2297
Value-----	S6ARTHRE	S7ARTHRE	S8ARTHRE	S9ARTHRE	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	4832	4342	3563	3741	
1.yes	2409	2218	2124	2079	
Value-----	R1ARTHRF	R2ARTHRF	R3ARTHRF	R4ARTHRF	R5ARTHRF
0.No dispute, no change	11669	9016	9377	10653	9931
3.Disp, set to N		48	61	68	77
6.Disp aft, set to N	430	368	328	329	266
Value-----	R6ARTHRF	R7ARTHRF	R8ARTHRF	R9ARTHRF	
0.No dispute, no change	10317	9448	8299	8674	
3.Disp, set to N	68	74	88	62	
6.Disp aft, set to N	216	144	58		
Value-----	S1ARTHRF	S2ARTHRF	S3ARTHRF	S4ARTHRF	S5ARTHRF
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	7782	5916	6142	7138	6739
3.Disp, set to N		31	30	43	47
6.Disp aft, set to N	288	231	212	221	178
Value-----	S6ARTHRF	S7ARTHRF	S8ARTHRF	S9ARTHRF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7057	6415	5592	5781	
3.Disp, set to N	45	44	58	39	
6.Disp aft, set to N	140	101	38		
Value-----	R1ASTHMAE	R2ASTHMAE	R3ASTHMAE	R4ASTHMAE	R5ASTHMAE
.d:DK	6			4	1
.r:Refuse	4	1		3	1
0.no	10740	8288	8544	9662	8930
1.yes	1349	1143	1222	1381	1342
Value-----	R6ASTHMAE	R7ASTHMAE	R8ASTHMAE	R9ASTHMAE	
.r:Refuse	1		1		
0.no	9200	8348	7214	7446	
1.yes	1400	1318	1230	1290	
Value-----	S1ASTHMAE	S2ASTHMAE	S3ASTHMAE	S4ASTHMAE	S5ASTHMAE
.d:DK	6			3	1
.r:Refuse	3	1		3	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	7189	5452	5605	6494	6073
1.yes	872	725	779	902	889
Value-----	S6ASTHMAE	S7ASTHMAE	S8ASTHMAE	S9ASTHMAE	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6306	5678	4870	4991	
1.yes	935	882	817	829	
Value-----	R1ASTHMAF	R2ASTHMAF	R3ASTHMAF	R4ASTHMAF	R5ASTHMAF
0.No dispute, no change	11993	9335	9662	10946	10181
3.Disp, set to N		16	19	17	26

6.Disp aft, set to N	106	81	85	87	67
Value-----	R6ASTHMAF	R7ASTHMAF	R8ASTHMAF	R9ASTHMAF	
0.No dispute, no change	10524	9606	8406	8720	
3.Disp, set to N	23	25	23	16	
6.Disp aft, set to N	54	35	16		
Value-----	S1ASTHMAF	S2ASTHMAF	S3ASTHMAF	S4ASTHMAF	S5ASTHMAF
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	8006	6123	6328	7342	6906
3.Disp, set to N		11	9	9	12
6.Disp aft, set to N	64	44	47	51	46
Value-----	S6ASTHMAF	S7ASTHMAF	S8ASTHMAF	S9ASTHMAF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7192	6521	5660	5808	
3.Disp, set to N	15	13	16	12	
6.Disp aft, set to N	35	26	12		
Value-----		R2HCHOLE	R3HCHOLE	R4HCHOLE	R5HCHOLE
.d:DK		8		4	1
.r:Refuse		1		4	2
0.no		7799	7154	7738	6624
1.yes		1624	2612	3304	3647
Value-----	R6HCHOLE	R7HCHOLE	R8HCHOLE	R9HCHOLE	
.d:DK				2	
.r:Refuse	2		1		
0.no	6741	5934	4932	5253	
1.yes	3858	3732	3512	3481	
Value-----		S2HCHOLE	S3HCHOLE	S4HCHOLE	S5HCHOLE
.d:DK		6		3	1
.r:Refuse		1		4	1
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.no		5089	4706	5253	4551
1.yes		1082	1678	2142	2411
Value-----	S6HCHOLE	S7HCHOLE	S8HCHOLE	S9HCHOLE	
.d:DK				2	
.r:Refuse	2		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	4667	4102	3388	3597	
1.yes	2573	2458	2299	2221	
Value-----		R2HCHOLF	R3HCHOLF	R4HCHOLF	R5HCHOLF
0.No dispute, no change		9040	9323	10533	9787
3.Disp, set to N			19	48	70
6.Disp aft, set to N		392	424	469	417
Value-----	R6HCHOLF	R7HCHOLF	R8HCHOLF	R9HCHOLF	
0.No dispute, no change	10148	9338	8232	8632	
3.Disp, set to N	132	122	114	104	
6.Disp aft, set to N	321	206	99		
Value-----		S2HCHOLF	S3HCHOLF	S4HCHOLF	S5HCHOLF
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.No dispute, no change		5915	6100	7071	6651
3.Disp, set to N			11	34	41
6.Disp aft, set to N		263	273	297	272
Value-----	S6HCHOLF	S7HCHOLF	S8HCHOLF	S9HCHOLF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	6965	6356	5567	5763	
3.Disp, set to N	77	80	62	57	

6.Disp aft, set to N	200	124	59		
Value-----	R1CATRACTE	R2CATRACTE	R3CATRACTE	R4CATRACTE	R5CATRACTE
.d:DK	12	8		4	1
.r:Refuse	3	1		4	1
0.no	10618	7963	8204	9121	8141
1.yes	1466	1460	1562	1921	2131
Value-----	R6CATRACTE	R7CATRACTE	R8CATRACTE	R9CATRACTE	
.d:DK	2				
.r:Refuse	1		1		
0.no	8211	7167	5749	5824	
1.yes	2387	2499	2695	2912	
Value-----	S1CATRACTE	S2CATRACTE	S3CATRACTE	S4CATRACTE	S5CATRACTE
.d:DK	6	4		2	1
.r:Refuse	3	1		4	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	7341	5474	5658	6390	5828
1.yes	720	699	726	1006	1134
Value-----	S6CATRACTE	S7CATRACTE	S8CATRACTE	S9CATRACTE	
.d:DK	1				
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	5925	5144	4145	4146	
1.yes	1315	1416	1542	1674	
Value-----	R1CATRCTF	R2CATRCTF	R3CATRCTF	R4CATRCTF	R5CATRCTF
0.No dispute, no change	11586	8939	9301	10549	9799
3.Disp, set to N		54	59	54	81
6.Disp aft, set to N	513	439	406	447	394
Value-----	R6CATRCTF	R7CATRCTF	R8CATRCTF	R9CATRCTF	
0.No dispute, no change	10183	9335	8200	8601	
3.Disp, set to N	95	92	114	135	
6.Disp aft, set to N	323	239	131		
Value-----	S1CATRCTF	S2CATRCTF	S3CATRCTF	S4CATRCTF	S5CATRCTF
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	7732	5875	6103	7078	6656
3.Disp, set to N		27	34	32	56
6.Disp aft, set to N	338	276	247	292	252
Value-----	S6CATRCTF	S7CATRCTF	S8CATRCTF	S9CATRCTF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	6975	6344	5537	5735	
3.Disp, set to N	52	58	68	85	
6.Disp aft, set to N	215	158	83		
Value-----	R1PARKINE	R2PARKINE	R3PARKINE	R4PARKINE	R5PARKINE
.d:DK	6			4	1
.r:Refuse	4	1		3	1
0.no	12035	9377	9703	10969	10200
1.yes	54	54	63	74	72
Value-----	R6PARKINE	R7PARKINE	R8PARKINE	R9PARKINE	
.r:Refuse	1		1		
0.no	10522	9585	8363	8659	
1.yes	78	81	81	77	
Value-----	S1PARKINE	S2PARKINE	S3PARKINE	S4PARKINE	S5PARKINE
.d:DK	6			3	1
.r:Refuse	3	1		3	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	8025	6144	6347	7349	6915

1.yes	36	33	37	47	47
Value-----	S6PARKINE	S7PARKINE	S8PARKINE	S9PARKINE	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	7187	6505	5630	5764	
1.yes	54	55	57	56	
Value-----	R1PARKINF	R2PARKINF	R3PARKINF	R4PARKINF	R5PARKINF
0.No dispute, no change	12090	9423	9758	11041	10267
3.Disp, set to N		1	2	1	1
6.Disp aft, set to N	9	8	6	8	6
Value-----	R6PARKINF	R7PARKINF	R8PARKINF	R9PARKINF	
0.No dispute, no change	10593	9662	8442	8734	
3.Disp, set to N	4	1	1	2	
6.Disp aft, set to N	4	3	2		
Value-----	S1PARKINF	S2PARKINF	S3PARKINF	S4PARKINF	S5PARKINF
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	8065	6173	6379	7398	6962
3.Disp, set to N			1	1	
6.Disp aft, set to N	5	5	4	3	2
Value-----	S6PARKINF	S7PARKINF	S8PARKINF	S9PARKINF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7239	6560	5687	5820	
3.Disp, set to N	2				
6.Disp aft, set to N	1		1		
Value-----	R1HIPE	R2HIPE	R3HIPE	R4HIPE	R5HIPE
.a:less than age 60	4853	3186	3856	3729	2739
.d:DK	8	1	1	4	5
.m:Missing	127	93	5	1	1
.r:Refuse	189	3			4
0.no	6795	6024	5767	7173	7370
1.yes	127	164	137	143	155
Value-----	R6HIPE	R7HIPE	R8HIPE	R9HIPE	
.a:less than age 60	2937	2257	1344	2067	
.d:DK	2	1	3		
.m:Missing			5	2	
.r:Refuse	4	7	1	1	
0.no	7487	7230	6919	6495	
1.yes	171	171	173	171	
Value-----	S1HIPE	S2HIPE	S3HIPE	S4HIPE	S5HIPE
.a:less than age 60	3703	2419	2911	2843	2149
.d:DK	6			4	5
.m:Missing	80	65	2		
.r:Refuse	140	3			3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4094	3638	3420	4505	4745
1.yes	47	53	51	50	62
Value-----	S6HIPE	S7HIPE	S8HIPE	S9HIPE	
.a:less than age 60	2241	1722	1027	1489	
.d:DK	1	1	3		
.m:Missing			2		
.r:Refuse	3	5	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	4926	4755	4572	4240	
1.yes	71	77	83	91	
Value-----	R1ANGINE	R2ANGINE	R3ANGINE	R4ANGINE	R5ANGINE
.d:DK	6			4	1

.m:Missing		1			
.r:Refuse	3			4	1
0.No	11011	8532	8952	10204	9462
1.Yes	1079	899	814	838	810
Value-----	R6ANGINE	R7ANGINE	R8ANGINE	R9ANGINE	
.d:DK				1	
.r:Refuse	1		1		
0.No	9847	8995	7844	8210	
1.Yes	753	671	600	525	
Value-----	S1ANGINE	S2ANGINE	S3ANGINE	S4ANGINE	S5ANGINE
.d:DK	5			3	1
.m:Missing		1			
.r:Refuse	3			4	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7355	5597	5902	6893	6492
1.Yes	707	580	482	502	470
Value-----	S6ANGINE	S7ANGINE	S8ANGINE	S9ANGINE	
.d:DK				1	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6799	6168	5341	5516	
1.Yes	442	392	346	303	
Value-----	R1ANGINF	R2ANGINF	R3ANGINF	R4ANGINF	R5ANGINF
.m:Missing		1			
0.No dispute, no change	11987	9326	9658	10966	10210
3.Disp, set to N		5	36	23	31
6.Disp aft, set to N	112	100	72	61	33
Value-----	R6ANGINF	R7ANGINF	R8ANGINF	R9ANGINF	
0.No dispute, no change	10566	9653	8437	8736	
3.Disp, set to N	22	5	8		
6.Disp aft, set to N	13	8			
Value-----	S1ANGINF	S2ANGINF	S3ANGINF	S4ANGINF	S5ANGINF
.m:Missing		1			
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	8070	6174	6360	7390	6946
3.Disp, set to N		3	24	12	18
Value-----	S6ANGINF	S7ANGINF	S8ANGINF	S9ANGINF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7226	6556	5683	5820	
3.Disp, set to N	16	4	5		
Value-----	R1HRTATTE	R2HRTATTE	R3HRTATTE	R4HRTATTE	R5HRTATTE
.d:DK	6			4	1
.m:Missing		1			
.r:Refuse	3			4	1
0.No	11411	8892	9246	10523	9751
1.Yes	679	539	520	519	521
Value-----	R6HRTATTE	R7HRTATTE	R8HRTATTE	R9HRTATTE	
.d:DK				1	
.r:Refuse	1		1		
0.No	10074	9185	7996	8299	
1.Yes	526	481	448	436	
Value-----	S1HRTATTE	S2HRTATTE	S3HRTATTE	S4HRTATTE	S5HRTATTE
.d:DK	5			3	1
.m:Missing		1			
.r:Refuse	3			4	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568

0.No	7617	5821	6062	7078	6640
1.Yes	445	356	322	317	322
Value-----	S6HRTATTE	S7HRTATTE	S8HRTATTE	S9HRTATTE	
.d:DK				1	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6928	6261	5413	5554	
1.Yes	313	299	274	265	
Value-----	R1HRTATTF	R2HRTATTF	R3HRTATTF	R4HRTATTF	R5HRTATTF
.m:Missing		1			
0.No dispute, no change	12040	9371	9707	11006	10237
3.Disp, set to N		2	18	7	12
6.Disp aft, set to N	59	58	41	37	25
Value-----	R6HRTATTF	R7HRTATTF	R8HRTATTF	R9HRTATTF	
0.No dispute, no change	10575	9647	8433	8736	
3.Disp, set to N	8	7	12		
6.Disp aft, set to N	18	12			
Value-----	S1HRTATTF	S2HRTATTF	S3HRTATTF	S4HRTATTF	S5HRTATTF
.m:Missing		1			
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	8070	6175	6376	7397	6958
3.Disp, set to N		2	8	5	6
Value-----	S6HRTATTF	S7HRTATTF	S8HRTATTF	S9HRTATTF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7238	6555	5680	5820	
3.Disp, set to N	4	5	8		
Value-----	R1CONHRTFE	R2CONHRTFE	R3CONHRTFE	R4CONHRTFE	R5CONHRTFE
.d:DK	6			4	1
.m:Missing		1			
.r:Refuse	3			4	1
0.No	11997	9360	9705	10977	10203
1.Yes	93	71	61	65	69
Value-----	R6CONHRTFE	R7CONHRTFE	R8CONHRTFE	R9CONHRTFE	
.d:DK				1	
.r:Refuse	1		1		
0.No	10531	9580	8345	8628	
1.Yes	69	86	99	107	
Value-----	S1CONHRTFE	S2CONHRTFE	S3CONHRTFE	S4CONHRTFE	S5CONHRTFE
.d:DK	5			3	1
.m:Missing		1			
.r:Refuse	3			4	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	8010	6137	6352	7361	6926
1.Yes	52	40	32	34	36
Value-----	S6CONHRTFE	S7CONHRTFE	S8CONHRTFE	S9CONHRTFE	
.d:DK				1	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	7200	6511	5622	5760	
1.Yes	41	49	65	59	
Value-----	R1CONHRTFF	R2CONHRTFF	R3CONHRTFF	R4CONHRTFF	R5CONHRTFF
.m:Missing		1			
0.No dispute, no change	12078	9411	9744	11034	10267
3.Disp, set to N		1	11	8	2
6.Disp aft, set to N	21	19	11	8	5



Value-----	R6CONHRTFF	R7CONHRTFF	R8CONHRTFF	R9CONHRTFF	
0.No dispute, no change	10595	9660	8443	8734	
3.Disp, set to N	1	4		2	
6.Disp aft, set to N	5	2	2		
Value-----	S1CONHRTFF	S2CONHRTFF	S3CONHRTFF	S4CONHRTFF	S5CONHRTFF
.m:Missing		1			
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	8070	6177	6382	7399	6963
3.Disp, set to N			2	3	1
Value-----	S6CONHRTFF	S7CONHRTFF	S8CONHRTFF	S9CONHRTFF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7242	6558	5688	5819	
3.Disp, set to N		2		1	
Value-----	R1HRTMRE	R2HRTMRE	R3HRTMRE	R4HRTMRE	R5HRTMRE
.d:DK	6			4	1
.m:Missing		1			
.r:Refuse	3			4	1
0.No	11575	8971	9300	10549	9740
1.Yes	515	460	466	493	532
Value-----	R6HRTMRE	R7HRTMRE	R8HRTMRE	R9HRTMRE	
.d:DK				1	
.r:Refuse	1		1		
0.No	10044	9133	7960	8241	
1.Yes	556	533	484	494	
Value-----	S1HRTMRE	S2HRTMRE	S3HRTMRE	S4HRTMRE	S5HRTMRE
.d:DK	5			3	1
.m:Missing		1			
.r:Refuse	3			4	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7720	5882	6092	7069	6629
1.Yes	342	295	292	326	333
Value-----	S6HRTMRE	S7HRTMRE	S8HRTMRE	S9HRTMRE	
.d:DK				1	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6880	6221	5381	5506	
1.Yes	361	339	306	313	
Value-----	R1HRTMRF	R2HRTMRF	R3HRTMRF	R4HRTMRF	R5HRTMRF
.m:Missing		1			
0.No dispute, no change	12011	9348	9678	10979	10208
3.Disp, set to N		4	25	13	16
6.Disp aft, set to N	88	79	63	58	50
Value-----	R6HRTMRF	R7HRTMRF	R8HRTMRF	R9HRTMRF	
0.No dispute, no change	10550	9631	8423	8729	
3.Disp, set to N	19	14	15	7	
6.Disp aft, set to N	32	21	7		
Value-----	S1HRTMRF	S2HRTMRF	S3HRTMRF	S4HRTMRF	S5HRTMRF
.m:Missing		1			
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	8070	6176	6370	7393	6956
3.Disp, set to N		1	14	9	8
Value-----	S6HRTMRF	S7HRTMRF	S8HRTMRF	S9HRTMRF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7233	6551	5677	5815	
3.Disp, set to N	9	9	11	5	

Value-----	R1HRTRHME	R2HRTRHME	R3HRTRHME	R4HRTRHME	R5HRTRHME
.d:DK	6			4	1
.m:Missing		1			
.r:Refuse	3			4	1
0.No	11373	8701	8973	10141	9254
1.Yes	717	730	793	901	1018
Value-----	R6HRTRHME	R7HRTRHME	R8HRTRHME	R9HRTRHME	
.d:DK				1	
.r:Refuse	1		1		
0.No	9529	8566	7318	7577	
1.Yes	1071	1100	1126	1158	
Value-----	S1HRTRHME	S2HRTRHME	S3HRTRHME	S4HRTRHME	S5HRTRHME
.d:DK	5			3	1
.m:Missing		1			
.r:Refuse	3			4	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7565	5698	5879	6831	6315
1.Yes	497	479	505	564	647
Value-----	S6HRTRHME	S7HRTRHME	S8HRTRHME	S9HRTRHME	
.d:DK				1	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6524	5829	4962	5091	
1.Yes	717	731	725	728	
Value-----	R1HRTRHMF	R2HRTRHMF	R3HRTRHMF	R4HRTRHMF	R5HRTRHMF
.m:Missing		1			
0.No dispute, no change	11977	9312	9646	10942	10169
3.Disp, set to N		6	25	11	21
6.Disp aft, set to N	122	113	95	97	84
Value-----	R6HRTRHMF	R7HRTRHMF	R8HRTRHMF	R9HRTRHMF	
0.No dispute, no change	10510	9600	8407	8722	
3.Disp, set to N	23	28	26	14	
6.Disp aft, set to N	68	38	12		
Value-----	S1HRTRHMF	S2HRTRHMF	S3HRTRHMF	S4HRTRHMF	S5HRTRHMF
.m:Missing		1			
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	8070	6173	6369	7395	6951
3.Disp, set to N		4	15	7	13
Value-----	S6HRTRHMF	S7HRTRHMF	S8HRTRHMF	S9HRTRHMF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7228	6542	5669	5813	
3.Disp, set to N	14	18	19	7	
Value-----	R1OSTEOE	R2OSTEOE	R3OSTEOE	R4OSTEOE	R5OSTEOE
.d:DK	6			4	1
.r:Refuse	4	1		3	1
0.No	11610	8908	9212	10367	9528
1.Yes	479	523	554	676	744
Value-----	R6OSTEOE	R7OSTEOE	R8OSTEOE	R9OSTEOE	
.r:Refuse	1		1		
0.No	9833	8892	7689	7968	
1.Yes	767	774	755	768	
Value-----	S1OSTEOE	S2OSTEOE	S3OSTEOE	S4OSTEOE	S5OSTEOE
.d:DK	6			3	1
.r:Refuse	3	1		3	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568

0.No	7767	5857	6065	6993	6527
1.Yes	294	320	319	403	435
Value-----	S6OSTEOE	S7OSTEOE	S8OSTEOE	S9OSTEOE	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6796	6111	5270	5414	
1.Yes	445	449	417	406	
Value-----	R1OSTEOF	R2OSTEOF	R3OSTEOF	R4OSTEOF	R5OSTEOF
0.No dispute, no change	11845	9189	9538	10829	10070
3.Disp, set to N		35	38	29	35
6.Disp aft, set to N	254	208	190	192	169
Value-----	R6OSTEOF	R7OSTEOF	R8OSTEOF	R9OSTEOF	
0.No dispute, no change	10423	9522	8355	8694	
3.Disp, set to N	40	57	48	42	
6.Disp aft, set to N	138	87	42		
Value-----	S1OSTEOF	S2OSTEOF	S3OSTEOF	S4OSTEOF	S5OSTEOF
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	8070	6159	6364	7383	6944
3.Disp, set to N		19	20	19	20
Value-----	S6OSTEOF	S7OSTEOF	S8OSTEOF	S9OSTEOF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7223	6529	5657	5796	
3.Disp, set to N	19	31	31	24	

## How Constructed

RwHIBPE, RwDIABE, RwcANCRE, RwlUNGE, RwhEARTE, RwSTROKE, RwPSYCHE, RwarTHRE, RwASTHMAE, RwhCHOLE, RwcATRCTE, RwpARKINE, RwhIPE, RwangINE, RwhRTATTE, RwCONHRTFE, RwhRTMRE, RwhRTRHME, and RwoSTEOE indicate the respondent's answer to the question regarding whether or not a doctor has told the respondent they had a specific condition. The exact question wording depends on whether this is a first interview or whether the condition was reported at a prior interview. A code of 0 indicates that the respondent does not report having been told by a doctor they have the condition. A code of 1 indicates that the respondent reports having been told by a doctor they have the condition. Don't know, refused, or other missing values of RwHIBPE, RwDIABE, RwcANCRE, RwlUNGE, RwhEARTE, RwSTROKE, RwPSYCHE, RwarTHRE, RwASTHMAE, RwhCHOLE, RwcATRCTE, RwpARKINE, RwhIPE, RwangINE, RwhRTATTE, RwCONHRTFE, RwhRTMRE, RwhRTRHME, and RwoSTEOE are assigned special missing codes .d, .r, .m, respectively. A special missing value .o is used when the respondent reported a condition which did not have a specific coding in the ELSA. A special missing of .a is assigned for RwhIPE if the respondent is less than 60 years old. RwHIBPE, RwDIABE, RwcANCRE, RwlUNGE, RwhEARTE, RwSTROKE, RwPSYCHE, RwarTHRE, RwASTHMAE, RwhCHOLE, RwcATRCTE, RwpARKINE, RwhIPE, RwangINE, RwhRTATTE, RwCONHRTFE, RwhRTMRE, RwhRTRHME, and RwoSTEOE are set to plain missing (.) for respondents who did not respond to the current wave.

RwHIBPE indicates whether the respondent reported having high blood pressure or hypertension.

RwDIABE indicates whether the respondent reported having diabetes or high blood sugar.

RwcANCRE indicates whether the respondent reported having cancer or a malignant tumor (excluding minor skin cancers). Starting in Wave 3, respondents are asked about leukemia or lymphoma separately from cancer or a malignant tumor. However, in Waves 8 and 9, the data for leukemia or lymphoma were not included dataset. Therefore, RwcANCRE includes information for both cancer or a malignant tumor and the blood disorders leukemia or lymphoma in Waves 3 through 7.

RwlUNGE indicates whether the respondent reported having chronic lung disease such as chronic bronchitis or emphysema.

RwhEARTE indicates whether the respondent reported having angina, a heart attack (including myocardial infarction or coronary thrombosis), congestive heart failure, a heart murmur, an abnormal heart rhythm,

or any other heart trouble. ELSA surveys each of the conditions separately, so RwHEARTE indicates whether the respondent reported any of these conditions.

RwSTROKE indicates whether the respondent reported having a stroke (cerebrovascular disease).

RwPSYCHE indicates whether the respondent reported having any emotional, nervous, or psychiatric problems.

RwARTHRE indicates whether the respondent reported having arthritis (including osteoarthritis or rheumatism).

RwASTHMAE indicates whether the respondent reported having asthma.

RwHCHOLE indicates whether the respondent reported having high cholesterol, starting in Wave 2.

RwCATRCTE indicates whether the respondent reported having cataracts.

RwPARKINE indicates whether the respondent reported having Parkinson's disease.

RwHIPE indicates whether the respondent reported fracturing their hip. Respondents younger than age 60 are not asked this question, so these respondents are assigned special missing .a. Starting in Wave 2, respondents are asked if they have broken their hip since the last interview, rather than if they have ever broken their hip.

RwANGINE indicates whether the respondent reported having angina.

RwHRTATTE indicates whether the respondent reported having a heart attack (including myocardial infarction or coronary thrombosis).

RwCONHRTFE indicates whether the respondent reported having congestive heart failure.

RwHRMRE indicates whether the respondent reported having a heart murmur.

RwHRTRHME indicates whether the respondent reported having an abnormal heart rhythm.

RwOSTEOE indicates whether the respondent reported having osteoporosis, sometimes called thin or brittle bones.

In the ELSA, respondents identify new conditions by selecting conditions a doctor has told them they have from a card containing a list of conditions.

SwHIBPE, SwDIABE, SwCANCRE, SwLUNGE, SwHEARTE, SwSTROKE, SwPSYCHE, SwARTHRE, SwASTHMAE, SwHCHOLE, SwCATRCTE, SwPARKINE, SwHIPE, SwANGINE, SwHRTATTE, SwCONHRTFE, SwHRMRE, SwHRTRHME, and SwOSTEOE indicate whether the respondent's spouse reported ever being told by a doctor they have any of these conditions and are taken directly from the spouse's responses to RwHIBPE, RwDIABE, RwCANCRE, RwLUNGE, RwHEARTE, RwSTROKE, RwPSYCHE, RwARTHRE, RwASTHMAE, RwHCHOLE, RwCATRCTE, RwPARKINE, RwHIPE, RwANGINE, RwHRTATTE, RwCONHRTFE, RwHRMRE, RwHRTRHME, and RwOSTEOE respectively. In addition to the special missing codes used in RwHIBPE, RwDIABE, RwCANCRE, RwLUNGE, RwHEARTE, RwSTROKE, RwPSYCHE, RwARTHRE, RwASTHMAE, RwHCHOLE, RwCATRCTE, RwPARKINE, RwHIPE, RwANGINE, RwHRTATTE, RwCONHRTFE, RwHRMRE, RwHRTRHME, and RwOSTEOE, SwHIBPE, SwDIABE, SwCANCRE, SwLUNGE, SwHEARTE, SwSTROKE, SwPSYCHE, SwARTHRE, SwASTHMAE, SwHCHOLE, SwCATRCTE, SwPARKINE, SwHIPE, SwANGINE, SwHRTATTE, SwCONHRTFE, SwHRMRE, SwHRTRHME, and SwOSTEOE employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

From the 2nd wave forward, if the respondent previously reported ever having a condition (a preloaded condition) then they are first asked to confirm or dispute ever having this condition. After that they are asked to identify any new conditions. If any condition is disputed, all prior wave reports are set to no. For example, if a report of high blood pressure is disputed in Wave 3, then R1HIBPE and R2HIBPE are set to no. Please note that respondents are not asked to confirm or dispute hip fractures. Please note that in Wave 9, the data indicating whether the respondent disputed a diagnosis of angina or heart attack was not included in the dataset, though it was asked in the questionnaire, which impacts the coding for

RwHEARTE, RwHEARTF, RwANGINE, RwANGINF, RwhRTATTE, and RwhRTATTF because disputes of previous wave reports of these conditions were not considered in this wave.

RwHIBPF, RwDIABF, RwcANCRF, RwlUNGF, RwhEARTF, RwsTROKF, RwpSYCHF, RwarTRHF, RwasTHMAF, RwhCHOLF, RwcATRCTF, RwpARKINF, RwangINF, RwhRTATTF, RwcONHRTFF, RwhRTMRF, RwhRTRHMF, and RwoSTEOF indicate whether a condition is disputed at the current interview or a later interview. The codes for the flag variables are: 0) no dispute and no change; 3) disputes preloaded condition indicating prior report of condition, set current and prior waves to no; 6) dispute of preloaded condition at a later wave has changed this wave's report from yes to no. A special missing value of .m is assigned to other missing values. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

SwHIBPF, SwDIABF, SwCANCRF, SwLUNGF, SwHEARTF, SwSTROKF, SwPSYCHF, SwARTHTRF, SwASTHMAF, SwHCHOLF, SwCATRCTF, SwPARKINF, SwANGINF, SwHRTATTF, SwCONHRTFF, SwHRTMRF, SwHRTRHMF, and SwOSTEOF are taken directly from the spouse's responses to RwHIBPF, RwDIABF, RwcANCRF, RwlUNGF, RwhEARTF, RwsTROKF, RwpSYCHF, RwarTRHF, RwasTHMAF, RwhCHOLF, RwcATRCTF, RwpARKINF, RwangINF, RwhRTATTF, RwcONHRTFF, RwhRTMRF, RwhRTRHMF, and RwoSTEOF respectively. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

From the 2nd wave forward, if the respondent previously reported ever having a condition then they are first asked to confirm or dispute ever having this condition. After that they are asked to identify any new conditions. Respondents are not asked to confirm or dispute hip fractures.

Starting in Wave 2, respondents are asked if they have broken their hip since the last interview, rather than if they have ever broken their hip.

High cholesterol is only asked about starting in Wave 2.

Starting in Wave 3, respondents are asked about leukemia or lymphoma separately from cancer or a malignant tumor. However, in Waves 8 and 9, the data for leukemia or lymphoma were not included dataset. Therefore, RwcANCRE includes information for both cancer or a malignant tumor and the blood disorders leukemia or lymphoma in Waves 3 through 7.

In Wave 9, the data indicating whether the respondent disputed a diagnosis of angina or heart attack was not included in the dataset, though it was asked in the questionnaire, which impacts the coding for RwHEARTE, RwHEARTF, RwANGINE, RwANGINF, RwhRTATTE, and RwhRTATTF.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA surveys angina, a heart attack (including myocardial infarction or coronary thrombosis), congestive heart failure, a heart murmur, an abnormal heart rhythm, or any other heart trouble separately, so RwHEARTE indicates whether the respondent reported any of these conditions. Also unlike the HRS, ELSA surveys whether the respondent reports being told by a doctor that they have asthma and a heart murmur.

## ELSA Variables Used

Wave 1 Core:

HEDIB01	has a doctor ever told you that you [have/have had] any
HEDIB02	has a doctor ever told you that you [have/have had] any
HEDIB03	has a doctor ever told you that you [have/have had] any
HEDIB04	has a doctor ever told you that you [have/have had] any
HEDIB05	has a doctor ever told you that you [have/have had] any
HEDIB06	has a doctor ever told you that you [have/have had] any
HEDIB07	has a doctor ever told you that you [have/have had] any
HEDIB08	has a doctor ever told you that you [have/have had] any
HEDIB09	has a doctor ever told you that you [have/have had] any
HEDIB10	has a doctor ever told you that you [have/have had] any
HEDIM01	merged - has a doctor ever told you that you [have/have
HEDIM02	merged - has a doctor ever told you that you [have/have

HEDIM03	merged - has a doctor ever told you that you [have/have
HEDIM04	merged - has a doctor ever told you that you [have/have
HEDIM05	merged - has a doctor ever told you that you [have/have
HEDIM06	merged - has a doctor ever told you that you [have/have
HEDIM07	merged - has a doctor ever told you that you [have/have
HEFRAC	have you ever fractured your hip?
HEOPT1	has a doctor or optician ever told you that [have/have h
HEOPT2	has a doctor or optician ever told you that [have/have h
HEOPT3	has a doctor or optician ever told you that [have/have h
HEOPT4	has a doctor or optician ever told you that [have/have h
HEOPT5	has a doctor or optician ever told you that [have/have h
Wave 2 Core:	
BHEOPT1	Diagnosed eye condition reported at Wave 1 (1st mention)
BHEOPT2	Diagnosed eye condition reported at Wave 1 (2nd mention)
BHEOPT3	Diagnosed eye condition reported at Wave 1 (3rd mention)
BHEOPT4	Diagnosed eye condition reported at Wave 1 (4th mention)
HEDIA01	Diagnosed cardiovascular condition newly reported at W2
HEDIA02	Diagnosed cardiovascular condition newly reported at W2
HEDIA03	Diagnosed cardiovascular condition newly reported at W2
HEDIA04	Diagnosed cardiovascular condition newly reported at W2
HEDIA05	Diagnosed cardiovascular condition newly reported at W2
HEDIA06	Diagnosed cardiovascular condition newly reported at W2
HEDIA07	Diagnosed cardiovascular condition newly reported at W2
HEDIA08	Diagnosed cardiovascular condition newly reported at W2
HEDIA09	Diagnosed cardiovascular condition newly reported at W2
HEDIAC1	Whether confirms high blood pressure recorded in wave 1
HEDIAC2	Whether confirms angina recorded in wave 1
HEDIAC3	Whether confirms heart attack recorded in wave 1
HEDIAC4	Whether confirms congestive heart failure recorded in wa
HEDIAC5	Whether confirms heart murmur recorded in wave 1
HEDIAC6	Whether confirms abnormal heart rhythm recorded in wave
HEDIAC7	Whether confirms diabetes recorded in wave 1
HEDIAC8	Whether confirms stroke recorded in wave 1
HEDIAC9	Whether confirms other heart problem recorded in wave 1
HEDIAD1	Whether confirms chronic lung disease recorded in wave 1
HEDIAD2	Whether confirms asthma recorded in wave 1
HEDIAD3	Whether confirms arthritis recorded in wave 1
HEDIAD5	Whether confirms cancer recorded in wave 1
HEDIAD6	Whether confirms Parkinsons disease recorded in wave 1
HEDIAD7	Whether confirms psychiatric problems recorded in wave 1
HEDIB01	Diagnosed chronic condition newly reported at W2 (1st me
HEDIB02	Diagnosed chronic condition newly reported at W2 (2nd me
HEDIB03	Diagnosed chronic condition newly reported at W2 (3rd me
HEDIB04	Diagnosed chronic condition newly reported at W2 (4th me
HEDIM01	Diagnosed cardiovascular condit. newly reported at W2 (1
HEDIM02	Diagnosed cardiovascular condit. newly reported at W2 (2
HEDIM03	Diagnosed cardiovascular condit. newly reported at W2 (3
HEDIM04	Diagnosed cardiovascular condit. newly reported at W2 (4
HEDIM05	Diagnosed cardiovascular condit. newly reported at W2 (5
HEDIM06	Diagnosed cardiovascular condit. newly reported at W2 (6
HEDIM07	Diagnosed cardiovascular condit. newly reported at W2 (7
HEDIM08	Diagnosed cardiovascular condit. newly reported at W2 (8
HEFRAC	Whether fractured hip
HEOPC	Whether confirms diagnosed eye condition recorded in wav
HEOPT1	Diagnosed eye condition newly reported at W2 (1st mentio
HEOPT2	Diagnosed eye condition newly reported at W2 (2nd mentio
Wave 3 Core:	
HEDACAN	whether confirms angina diagnosis
HEDACAR	whether confirms abnormal heart rhythm diagnosis
HEDACBP	whether confirms high blood pressure diagnosis
HEDACCH	whether confirms high cholesterol diagnosis
HEDACDI	whether confirms diabetes or high blood sugar diagnosis
HEDACHF	whether confirms congestive heart failure diagnosis

HEDACHM	whether confirms heart murmur diagnosis
HEDACMI	whether confirms heart attack diagnosis
HEDACOT	whether confirms other heart disease diagnosis
HEDACST	whether confirms stroke diagnosis
HEDBDAR	whether confirms arthritis diagnosis
HEDBDAS	whether confirms asthma diagnosis
HEDBDCA	whether confirms cancer diagnosis
HEDBDLU	whether confirms lung disease diagnosis
HEDBDOS	whether confirms osteoporosis diagnosis
HEDBDPD	whether confirms parkinsons disease diagnosis
HEDBDPS	whether confirms psychiatric condition diagnosis
HEDIBAR	(d) ever reported arthritis (diagnosed)
HEDIBAS	(d) ever reported asthma (diagnosed)
HEDIBBL	chronic: blood disorder diagnosis newly reported
HEDIBCA	(d) ever reported cancer (diagnosed)
HEDIBLU	(d) ever reported hedibonic lung disease (diagnosed)
HEDIBOS	(d) ever reported osteoporosis (diagnosed)
HEDIBPD	(d) ever reported parkinson's disease (diagnosed)
HEDIBPS	(d) ever reported psychiatric disease (diagnosed)
HEDIM85	cvd:heart disease diagnosis newly reported does not fit
HEDIMAN	(d) ever reported angina (diagnosed)
HEDIMAR	(d) ever reported arrhythmia (diagnosed)
HEDIMBP	(d) ever reported high blood pressure (diagnosed)
HEDIMCH	(d) ever reported high cholesterol
HEDIMDI	(d) ever reported diabetes or high blood sugar (diagnose
HEDIMHF	(d) ever reported congestive heart failure (diagnosed)
HEDIMHM	(d) ever reported heart murmur (diagnosed)
HEDIMMI	(d) ever reported myocardial infarction (diagnosed)
HEDIMST	(d) ever reported stroke
HEFRAC	whether fractured hip
HELEUK	type of blood disorder has
HEOPCCA	whether confirms cataract diagnosis
HEOPTCA	(d) ever reported cataract (diagnosed)
Wave 4 Core:	
HEDACAN	whether confirms angina diagnosis
HEDACAR	whether confirms abnormal heart rhythm diagnosis
HEDACBP	whether confirms high blood pressure diagnosis
HEDACCH	whether confirms high cholesterol diagnosis
HEDACDI	whether confirms diabetes or high blood sugar diagnosis
HEDACHF	whether confirms congestive heart failure diagnosis
HEDACHM	whether confirms heart murmur diagnosis
HEDACMI	whether confirms heart attack diagnosis
HEDACOT	whether confirms other heart disease diagnosis
HEDACST	whether confirms stroke diagnosis
HEDBDAR	whether confirms arthritis diagnosis
HEDBDAS	whether confirms asthma diagnosis
HEDBDCA	whether confirms cancer diagnosis
HEDBDLU	whether confirms lung disease diagnosis
HEDBDOS	whether confirms osteoporosis diagnosis
HEDBDPD	whether confirms parkinsons disease diagnosis
HEDBDPS	whether confirms psychiatric condition diagnosis
HEDIBAR	chronic: arthritis diagnosis newly reported
HEDIBAS	chronic: asthma diagnosis newly reported
HEDIBBL	chronic: blood disorder diagnosis newly reported
HEDIBCA	chronic: cancer diagnosis newly reported
HEDIBLU	chronic: lung disease diagnosis newly reported
HEDIBOS	chronic: osteoporosis diagnosis newly reported
HEDIBPD	chronic: parkinsons disease diagnosis newly reported
HEDIBPS	chronic: psychiatric condition newly reported
HEDIM85	cvd:heart disease diagnosis newly reported does not fit
HEDIMAN	cvd: angina diagnosis newly reported (merged)
HEDIMAR	cvd: abnormal heart rhythm diagnosis newly reported (mer
HEDIMBP	cvd: high blood pressure diagnosis newly reported (merge

HEDIMCH	cvd: high cholesterol diagnosis newly reported (merged)
HEDIMDI	cvd: diabetes or high blood sugar diagnosis newly report
HEDIMHF	cvd: congestive heart failure diagnosis newly reported (
HEDIMHM	cvd: heart murmur diagnosis newly reported (merged)
HEDIMMI	cvd: heart attack diagnosis newly reported (merged)
HEDIMST	cvd: stroke diagnosis newly reported (merged)
HEFRAC	whether fractured hip in last two years
HELEUK	type of blood disorder has
HEOPCCA	whether confirms cataract diagnosis
HEOPTCA	eye: cataract diagnosis newly reported
Wave 5 Core:	
HEDACAN	Whether confirms angina diagnosis
HEDACAR	Whether confirms abnormal heart rhythm diagnosis
HEDACBP	Whether confirms high blood pressure diagnosis
HEDACCH	Whether confirms high cholesterol diagnosis
HEDACDI	Whether confirms diabetes or high blood sugar diagnosis
HEDACHF	Whether confirms congestive heart failure diagnosis
HEDACHM	Whether confirms heart murmur diagnosis
HEDACMI	Whether confirms heart attack diagnosis
HEDACOT	Whether confirms other heart disease diagnosis
HEDACST	Whether confirms stroke diagnosis
HEDBDAR	Whether confirms arthritis diagnosis
HEDBDAS	Whether confirms asthma diagnosis
HEDBDBL	Whether confirms blood disorder diagnosis
HEDBDCA	Whether confirms cancer diagnosis
HEDBDLU	Whether confirms lung disease diagnosis
HEDBDOS	Whether confirms osteoporosis diagnosis
HEDBDPD	Whether confirms Parkinsons Disease diagnosis
HEDBDPS	Whether confirms psychiatric condition diagnosis
HEDIBAR	Chronic: arthritis diagnosis newly reported
HEDIBAS	Chronic: asthma diagnosis newly reported
HEDIBBL	Chronic: blood disorder diagnosis newly reported
HEDIBCA	Chronic: cancer diagnosis newly reported
HEDIBLU	Chronic: lung disease diagnosis newly reported
HEDIBOS	Chronic: osteoporosis diagnosis newly reported
HEDIBPD	Chronic: Parkinsons Disease diagnosis newly reported
HEDIBPS	Chronic: psychiatric condition newly reported
HEDIM85	CVD:heart disease diagnosis newly reported does not fit
HEDIMAN	CVD: angina diagnosis newly reported (merged)
HEDIMAR	CVD: abnormal heart rhythm diagnosis newly reported (mer
HEDIMBP	CVD: high blood pressure diagnosis newly reported (merge
HEDIMCH	CVD: high cholesterol diagnosis newly reported (merged)
HEDIMDI	CVD: diabetes or high blood sugar diagnosis newly report
HEDIMHF	CVD: congestive heart failure diagnosis newly reported (
HEDIMHM	CVD: heart murmur diagnosis newly reported (merged)
HEDIMMI	CVD: heart attack diagnosis newly reported (merged)
HEDIMST	CVD: stroke diagnosis newly reported (merged)
HEFRAC	Whether fractured hip
HELEUK	Type of blood disorder has
HEOPCCA	Whether confirms cataract diagnosis
HEOPTCA	Eye: cataract diagnosis newly reported
Wave 6 Core:	
HEDACAN	whether confirms angina diagnosis
HEDACAR	whether confirms abnormal heart rhythm diagnosis
HEDACBP	whether confirms high blood pressure diagnosis
HEDACCH	whether confirms high cholesterol diagnosis
HEDACDI	whether confirms diabetes or high blood sugar diagnosis
HEDACHF	whether confirms congestive heart failure diagnosis
HEDACHM	whether confirms heart murmur diagnosis
HEDACMI	whether confirms heart attack diagnosis
HEDACOT	whether confirms other heart disease diagnosis
HEDACST	whether confirms stroke diagnosis
HEDBDAR	whether confirms arthritis diagnosis



HEDBDAS	whether confirms asthma diagnosis
HEDBDBL	chronic: whether confirms diagnosed blood disorder
HEDBDCA	whether confirms cancer diagnosis
HEDBDLU	whether confirms lung disease diagnosis
HEDBDOS	whether confirms osteoporosis diagnosis
HEDBDPD	whether confirms parkinsons disease diagnosis
HEDBDPS	whether confirms psychiatric condition diagnosis
HEDIBAR	chronic: arthritis diagnosis newly reported
HEDIBAS	chronic: asthma diagnosis newly reported
HEDIBBL	chronic: blood disorder diagnosis newly reported
HEDIBCA	chronic: cancer diagnosis newly reported
HEDIBLU	chronic: lung disease diagnosis newly reported
HEDIBOS	chronic: osteoporosis diagnosis newly reported
HEDIBPD	chronic: parkinsons disease diagnosis newly reported
HEDIBPS	chronic: psychiatric condition newly reported
HEDIM85	cvd:heart disease diagnosis newly reported does not fit
HEDIMAN	cvd: angina diagnosis newly reported (merged)
HEDIMAR	cvd: abnormal heart rhythm diagnosis newly reported (mer
HEDIMBP	cvd: high blood pressure diagnosis newly reported (merge
HEDIMCH	cvd: high cholesterol diagnosis newly reported (merged)
HEDIMDI	cvd: diabetes or high blood sugar diagnosis newly report
HEDIMHF	cvd: congestive heart failure diagnosis newly reported (
HEDIMHM	cvd: heart murmur diagnosis newly reported (merged)
HEDIMMI	cvd: heart attack diagnosis newly reported (merged)
HEDIMST	cvd: stroke diagnosis newly reported (merged)
HEFRAC	whether fractured hip
HELEUK	type of blood disorder has
HEOPCCA	whether confirms cataract diagnosis
HEOPTCA	eye: cataract diagnosis newly reported
Wave 7 Core:	
HEDACAN	whether confirms angina diagnosis
HEDACAR	whether confirms abnormal heart rhythm diagnosis
HEDACBP	whether confirms high blood pressure diagnosis
HEDACCH	whether confirms high cholesterol diagnosis
HEDACDI	whether confirms diabetes or high blood sugar diagnosis
HEDACHF	whether confirms congestive heart failure diagnosis
HEDACHM	whether confirms heart murmur diagnosis
HEDACMI	whether confirms heart attack diagnosis
HEDACOT	whether confirms other heart disease diagnosis
HEDACST	whether confirms stroke diagnosis
HEDBDAR	whether confirms arthritis diagnosis
HEDBDAS	whether confirms asthma diagnosis
HEDBDBL	chronic: whether confirms diagnosed blood disorder
HEDBDCA	whether confirms cancer diagnosis
HEDBDLU	whether confirms lung disease diagnosis
HEDBDOS	whether confirms osteoporosis diagnosis
HEDBDPD	whether confirms parkinsons disease diagnosis
HEDBDPS	whether confirms psychiatric condition diagnosis
HEDIBAR	chronic: arthritis diagnosis newly reported
HEDIBAS	chronic: asthma diagnosis newly reported
HEDIBBL	chronic: blood disorder diagnosis newly reported
HEDIBCA	chronic: cancer diagnosis newly reported
HEDIBLU	chronic: lung disease diagnosis newly reported
HEDIBOS	chronic: osteoporosis diagnosis newly reported
HEDIBPD	chronic: parkinsons disease diagnosis newly reported
HEDIBPS	chronic: psychiatric condition newly reported
HEDIM85	cvd:heart disease diagnosis newly reported does not fit
HEDIMAN	cvd: angina diagnosis newly reported (merged)
HEDIMAR	cvd: abnormal heart rhythm diagnosis newly reported (mer
HEDIMBP	cvd: high blood pressure diagnosis newly reported (merge
HEDIMCH	cvd: high cholesterol diagnosis newly reported (merged)
HEDIMDI	cvd: diabetes or high blood sugar diagnosis newly report
HEDIMHF	cvd: congestive heart failure diagnosis newly reported (

HEDIMHM	cvd: heart murmur diagnosis newly reported (merged)
HEDIMMI	cvd: heart attack diagnosis newly reported (merged)
HEDIMST	cvd: stroke diagnosis newly reported (merged)
HEFRAC	whether fractured hip
HELEUK	type of blood disorder has
HEOPCCA	whether confirms cataract diagnosis
HEOPTCA	eye: cataract diagnosis newly reported
Wave 8 Core:	
HEDAC95	whether confirms other heart disease diagnosis
HEDACAN	whether confirms angina diagnosis
HEDACAR	whether confirms abnormal heart rhythm diagnosis
HEDACBP	whether confirms high blood pressure diagnosis
HEDACCH	whether confirms high cholesterol diagnosis
HEDACDI	whether confirms diabetes or high blood sugar diagnosis
HEDACHF	whether confirms congestive heart failure diagnosis
HEDACHM	whether confirms heart murmur diagnosis
HEDACMI	whether confirms heart attack diagnosis
HEDACST	whether confirms stroke diagnosis
HEDBDAR	whether confirms arthritis diagnosis
HEDBDAS	whether confirms asthma diagnosis
HEDBDCA	whether confirms cancer diagnosis
HEDBDLU	whether confirms lung disease diagnosis
HEDBDOS	whether confirms osteoporosis diagnosis
HEDBDPD	whether confirms parkinson's disease diagnosis
HEDBDPS	whether confirms psychiatric condition diagnosis
HEDIBAR	chronic: arthritis diagnosis newly reported
HEDIBAS	chronic: asthma diagnosis newly reported
HEDIBCA	chronic: cancer diagnosis newly reported
HEDIBLU	chronic: lung disease diagnosis newly reported
HEDIBOS	chronic: osteoporosis diagnosis newly reported
HEDIBPD	chronic: parkinson's disease diagnosis newly reported
HEDIBPS	chronic: psychiatric condition newly reported
HEDIM85	cardiovascular disease: other heart disease newly report
HEDIMAN	cardiovascular disease: angina diagnosis newly reported
HEDIMAR	cardiovascular disease: abnormal heart rhythm diagnosis
HEDIMBP	cardiovascular disease: high blood pressure diagnosis ne
HEDIMCH	cardiovascular disease: high cholesterol diagnosis newly
HEDIMDI	cardiovascular disease: diabetes or high blood sugar dia
HEDIMHF	cardiovascular disease: congestive heart failure diagnos
HEDIMHM	cardiovascular disease: heart murmur diagnosis newly rep
HEDIMMI	cardiovascular disease: heart attack diagnosis newly rep
HEDIMST	cardiovascular disease: stroke diagnosis newly reported
HEFRAC	whether has fractured hip
HEOPCCA	whether confirms cataract diagnosis
HEOPTCA	eye: cataract diagnosis newly reported
Wave 9 Core:	
HEDAC95	Whether confirms other heart disease diagnosis
HEDACAR	Whether confirms abnormal heart rhythm diagnosis
HEDACBP	Whether confirms high blood pressure diagnosis
HEDACCH	Whether confirms high cholesterol diagnosis
HEDACDI	Whether confirms diabetes or high blood sugar diagnosis
HEDACHF	Whether confirms congestive heart failure diagnosis
HEDACHM	Whether confirms heart murmur diagnosis
HEDACST	Whether confirms stroke diagnosis
HEDBDAR	Whether confirms arthritis diagnosis
HEDBDAS	Whether confirms asthma diagnosis
HEDBDCA	Whether confirms cancer diagnosis
HEDBDLU	Whether confirms lung disease diagnosis
HEDBDOS	Whether confirms osteoporosis diagnosis
HEDBDPD	Whether confirms Parkinson's disease diagnosis
HEDBDPS	Whether confirms psychiatric condition diagnosis
HEDIBAR	Chronic: arthritis diagnosis newly reported
HEDIBAS	Chronic: asthma diagnosis newly reported

HEDIBCA Chronic: cancer diagnosis newly reported  
HEDIBLU Chronic: lung disease diagnosis newly reported  
HEDIBOS Chronic: osteoporosis diagnosis newly reported  
HEDIBPD Chronic: Parkinson's disease diagnosis newly reported  
HEDIBPS Chronic: psychiatric condition newly reported  
HEDIM85 Cardiovascular disease: other heart disease newly report  
HEDIMAN Cardiovascular disease: angina diagnosis newly reported  
HEDIMAR Cardiovascular disease: abnormal heart rhythm diagnosis  
HEDIMBP Cardiovascular disease: high blood pressure diagnosis ne  
HEDIMCH Cardiovascular disease: high cholesterol diagnosis newly  
HEDIMDI Cardiovascular disease: diabetes or high blood sugar dia  
HEDIMHF Cardiovascular disease: congestive heart failure diagnos  
HEDIMHM Cardiovascular disease: heart murmur diagnosis newly rep  
HEDIMMI Cardiovascular disease: heart attack diagnosis newly rep  
HEDIMST Cardiovascular disease: stroke diagnosis newly reported  
HEFRAC Whether has fractured hip  
HEOPCCA Whether confirms cataract diagnosis  
HEOPTCA Eye: cataract diagnosis newly reported

**Doctor Diagnosed Health Problems: Diagnosed with Condition in the Last Two Years**

Wave	Variable	Label	Type
1	R1ANGIN	r1angin:w1 r had angina last 2 years	Categ
2	R2ANGIN	r2angin:w2 r had angina last 2 years	Categ
3	R3ANGIN	r3angin:w3 r had angina last 2 years	Categ
4	R4ANGIN	r4angin:w4 r had angina last 2 years	Categ
5	R5ANGIN	r5angin:w5 r had angina last 2 years	Categ
6	R6ANGIN	r6angin:w6 r had angina last 2 years	Categ
7	R7ANGIN	r7angin:w7 r had angina last 2 years	Categ
8	R8ANGIN	r8angin:w8 r had angina last 2 years	Categ
9	R9ANGIN	r9angin:w9 r had angina last 2 years	Categ
1	S1ANGIN	s1angin:w1 s had angina last 2 years	Categ
2	S2ANGIN	s2angin:w2 s had angina last 2 years	Categ
3	S3ANGIN	s3angin:w3 s had angina last 2 years	Categ
4	S4ANGIN	s4angin:w4 s had angina last 2 years	Categ
5	S5ANGIN	s5angin:w5 s had angina last 2 years	Categ
6	S6ANGIN	s6angin:w6 s had angina last 2 years	Categ
7	S7ANGIN	s7angin:w7 s had angina last 2 years	Categ
8	S8ANGIN	s8angin:w8 s had angina last 2 years	Categ
9	S9ANGIN	s9angin:w9 s had angina last 2 years	Categ
1	R1HRTATT	r1hrtatt:w1 r had heart attack last 2 years	Categ
2	R2HRTATT	r2hrtatt:w2 r had heart attack last 2 years	Categ
3	R3HRTATT	r3hrtatt:w3 r had heart attack last 2 years	Categ
4	R4HRTATT	r4hrtatt:w4 r had heart attack last 2 years	Categ
5	R5HRTATT	r5hrtatt:w5 r had heart attack last 2 years	Categ
6	R6HRTATT	r6hrtatt:w6 r had heart attack last 2 years	Categ
7	R7HRTATT	r7hrtatt:w7 r had heart attack last 2 years	Categ
8	R8HRTATT	r8hrtatt:w8 r had heart attack last 2 years	Categ
9	R9HRTATT	r9hrtatt:w9 r had heart attack last 2 years	Categ
1	S1HRTATT	s1hrtatt:w1 s had heart attack last 2 years	Categ
2	S2HRTATT	s2hrtatt:w2 s had heart attack last 2 years	Categ
3	S3HRTATT	s3hrtatt:w3 s had heart attack last 2 years	Categ
4	S4HRTATT	s4hrtatt:w4 s had heart attack last 2 years	Categ
5	S5HRTATT	s5hrtatt:w5 s had heart attack last 2 years	Categ
6	S6HRTATT	s6hrtatt:w6 s had heart attack last 2 years	Categ
7	S7HRTATT	s7hrtatt:w7 s had heart attack last 2 years	Categ
8	S8HRTATT	s8hrtatt:w8 s had heart attack last 2 years	Categ
9	S9HRTATT	s9hrtatt:w9 s had heart attack last 2 years	Categ
1	R1PSYCH	r1psych:w1 r had psychiatric problem last 2 years	Categ
2	R2PSYCH	r2psych:w2 r had psychiatric problem last 2 years	Categ
3	R3PSYCH	r3psych:w3 r had psychiatric problem last 2 years	Categ
4	R4PSYCH	r4psych:w4 r had psychiatric problem last 2 years	Categ
5	R5PSYCH	r5psych:w5 r had psychiatric problem last 2 years	Categ
6	R6PSYCH	r6psych:w6 r had psychiatric problem last 2 years	Categ
7	R7PSYCH	r7psych:w7 r had psychiatric problem last 2 years	Categ
8	R8PSYCH	r8psych:w8 r had psychiatric problem last 2 years	Categ
9	R9PSYCH	r9psych:w9 r had psychiatric problem last 2 years	Categ
1	S1PSYCH	s1psych:w1 s had psychiatric problem last 2 years	Categ
2	S2PSYCH	s2psych:w2 s had psychiatric problem last 2 years	Categ
3	S3PSYCH	s3psych:w3 s had psychiatric problem last 2 years	Categ
4	S4PSYCH	s4psych:w4 s had psychiatric problem last 2 years	Categ
5	S5PSYCH	s5psych:w5 s had psychiatric problem last 2 years	Categ
6	S6PSYCH	s6psych:w6 s had psychiatric problem last 2 years	Categ
7	S7PSYCH	s7psych:w7 s had psychiatric problem last 2 years	Categ

8 S8PSYCH s8psych:w8 s had psychiatric problem last 2 years Categ  
 9 S9PSYCH s9psych:w9 s had psychiatric problem last 2 years Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ANGIN	12034	0.06	0.23	0.00	1.00
R2ANGIN	9414	0.03	0.16	0.00	1.00
R3ANGIN	9747	0.04	0.19	0.00	1.00
R4ANGIN	10981	0.04	0.19	0.00	1.00
R5ANGIN	10202	0.04	0.19	0.00	1.00
R6ANGIN	10560	0.03	0.17	0.00	1.00
R7ANGIN	9625	0.02	0.12	0.00	1.00
R8ANGIN	8395	0.02	0.13	0.00	1.00
R9ANGIN	8709	0.01	0.12	0.00	1.00
S1ANGIN	8027	0.05	0.22	0.00	1.00
S2ANGIN	6165	0.03	0.16	0.00	1.00
S3ANGIN	6376	0.03	0.17	0.00	1.00
S4ANGIN	7358	0.03	0.18	0.00	1.00
S5ANGIN	6924	0.03	0.17	0.00	1.00
S6ANGIN	7219	0.03	0.16	0.00	1.00
S7ANGIN	6536	0.01	0.11	0.00	1.00
S8ANGIN	5661	0.02	0.12	0.00	1.00
S9ANGIN	5806	0.01	0.11	0.00	1.00
R1HRTATT	12073	0.01	0.11	0.00	1.00
R2HRTATT	9394	0.00	0.04	0.00	1.00
R3HRTATT	9756	0.02	0.12	0.00	1.00
R4HRTATT	11032	0.02	0.12	0.00	1.00
R5HRTATT	10256	0.01	0.12	0.00	1.00
R6HRTATT	10590	0.01	0.12	0.00	1.00
R7HRTATT	9656	0.02	0.12	0.00	1.00
R8HRTATT	8435	0.01	0.12	0.00	1.00
R9HRTATT	8732	0.01	0.11	0.00	1.00
S1HRTATT	8057	0.01	0.11	0.00	1.00
S2HRTATT	6153	0.00	0.04	0.00	1.00
S3HRTATT	6379	0.01	0.11	0.00	1.00
S4HRTATT	7389	0.01	0.12	0.00	1.00
S5HRTATT	6953	0.01	0.11	0.00	1.00
S6HRTATT	7235	0.01	0.11	0.00	1.00
S7HRTATT	6553	0.01	0.12	0.00	1.00
S8HRTATT	5680	0.01	0.12	0.00	1.00
S9HRTATT	5819	0.01	0.10	0.00	1.00
R1PSYCH	12087	0.05	0.21	0.00	1.00
R2PSYCH	9240	0.04	0.19	0.00	1.00
R3PSYCH	9766	0.06	0.23	0.00	1.00
R4PSYCH	11033	0.06	0.23	0.00	1.00
R5PSYCH	10259	0.06	0.24	0.00	1.00
R6PSYCH	10593	0.07	0.25	0.00	1.00
R7PSYCH	9662	0.06	0.25	0.00	1.00
R8PSYCH	8438	0.01	0.10	0.00	1.00
R9PSYCH	8732	0.03	0.16	0.00	1.00
S1PSYCH	8060	0.04	0.20	0.00	1.00
S2PSYCH	6069	0.03	0.18	0.00	1.00
S3PSYCH	6384	0.05	0.21	0.00	1.00
S4PSYCH	7390	0.05	0.21	0.00	1.00
S5PSYCH	6954	0.05	0.22	0.00	1.00
S6PSYCH	7235	0.06	0.23	0.00	1.00

S7PSYCH	6557	0.05	0.22	0.00	1.00
S8PSYCH	5682	0.01	0.10	0.00	1.00
S9PSYCH	5819	0.02	0.15	0.00	1.00

### Categorical Variable Codes

Value-----	R1ANGIN	R2ANGIN	R3ANGIN	R4ANGIN	R5ANGIN
.d:DK	9	1	1	7	9
.m:Missing	35	17	18	17	13
.p:proxy	18			39	48
.r:Refuse	3			6	2
0.No	11350	9161	9368	10579	9819
1.Yes	684	253	379	402	383

Value-----	R6ANGIN	R7ANGIN	R8ANGIN	R9ANGIN
.d:DK	5	3	3	2
.m:Missing		3	3	1
.p:proxy	32	34	43	23
.r:Refuse	4	1	1	1
0.No	10239	9480	8255	8592
1.Yes	321	145	140	117

Value-----	S1ANGIN	S2ANGIN	S3ANGIN	S4ANGIN	S5ANGIN
.d:DK	7		1	4	6
.m:Missing	24	13		13	9
.p:proxy	9			22	24
.r:Refuse	3			5	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7607	6009	6176	7120	6706
1.Yes	420	156	200	238	218

Value-----	S6ANGIN	S7ANGIN	S8ANGIN	S9ANGIN
.d:DK	4	3	2	1
.m:Missing		1	3	
.p:proxy	16	19	21	13
.r:Refuse	3	1	1	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.No	7023	6449	5573	5739
1.Yes	196	87	88	67

Value-----	R1HRTATT	R2HRTATT	R3HRTATT	R4HRTATT	R5HRTATT
.d:DK	9		3	9	11
.m:Missing	12	38	6	2	3
.r:Refuse	5		1	7	4
0.No	11919	9377	9603	10865	10104
1.Yes	154	17	153	167	152

Value-----	R6HRTATT	R7HRTATT	R8HRTATT	R9HRTATT
.d:DK	7	5	6	3
.m:Missing		4	1	
.r:Refuse	4	1	3	1
0.No	10434	9505	8310	8625
1.Yes	156	151	125	107

Value-----	S1HRTATT	S2HRTATT	S3HRTATT	S4HRTATT	S5HRTATT
.d:DK	5		3	5	5
.m:Missing	4	25	1	2	3
.r:Refuse	4		1	6	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7959	6144	6295	7285	6864
1.Yes	98	9	84	104	89

Value-----	S6HRTATT	S7HRTATT	S8HRTATT	S9HRTATT
.d:DK	4	3	4	1
.m:Missing		3	1	
.r:Refuse	3	1	3	

.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	7144	6460	5603	5755	
1.Yes	91	93	77	64	
Value-----	R1PSYCH	R2PSYCH	R3PSYCH	R4PSYCH	R5PSYCH
.d:DK	7	5		10	11
.m:Missing		186		2	
.r:Refuse	5	1		5	4
0.No	11511	8877	9215	10391	9648
1.Yes	576	363	551	642	611
Value-----	R6PSYCH	R7PSYCH	R8PSYCH	R9PSYCH	
.d:DK	4	4	3	3	
.r:Refuse	4		4	1	
0.No	9876	9038	8346	8498	
1.Yes	717	624	92	234	
Value-----	S1PSYCH	S2PSYCH	S3PSYCH	S4PSYCH	S5PSYCH
.d:DK	7	2		6	7
.m:Missing		106		1	
.r:Refuse	3	1		5	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7732	5870	6088	7045	6594
1.Yes	328	199	296	345	360
Value-----	S6PSYCH	S7PSYCH	S8PSYCH	S9PSYCH	
.d:DK	4	3	2	1	
.r:Refuse	3		4		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6822	6217	5621	5690	
1.Yes	413	340	61	129	

## How Constructed

RwANGIN, RwhRTATT, and RwPSYCH indicate the respondent's answer to the question regarding whether or not they have experienced a specific condition in the past 2 years. A code of 0 indicates that the respondent does not report having the specified condition in the past 2 years. A code of 1 indicates that the respondent does report having the specified condition in the past 2 years. Don't know, refused, or other missing values of RwANGIN, RwhRTATT, and RwPSYCH are assigned special missing codes .d, .r, .m, respectively. RwANGIN, RwhRTATT, and RwPSYCH are set to plain missing (.) for respondents who did not respond to the current wave.

RwANGIN indicates whether the respondent reported having angina in the past 2 years. Special missing .p is assigned in Wave 1 and Wave 4 and onward if this question was skipped because the interview was by proxy.

RwhRTATT indicates whether the respondent reported having a heart attack or myocardial infarction in the past 2 years. Starting in Wave 3, respondents are asked how many heart attacks they've had, if any, in the last 2 years. A code of 0.no is assigned for respondents who report "none", when asked how many heart attacks they have had in the past 2 years. If the respondent reports 1 or more heart attacks in the past 2 years, then they are assigned a code of 1.yes.

RwPSYCH indicates whether the respondent reported having any emotional, nervous or psychiatric problems in the past 2 years.

SwANGIN, SwHRTATT, and SwPSYCH indicate whether the respondent's spouse reported experiencing any of these conditions within the past 2 years and are taken directly from the spouse's responses to RwANGIN, RwhRTATT, and RwPSYCH, respectively. In addition to the special missing codes used in RwANGIN, RwhRTATT, and RwPSYCH, SwANGIN, SwHRTATT, and SwPSYCH employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

In Waves 1 and 2, respondents are asked whether they have had any heart attacks in the last 2 years. Starting in Wave 3, respondents are asked how many heart attacks they've had, if any, in the last 2 years, with the choices of 0, 1, 2, and 3 or more.

Proxy respondents are not asked about having angina in the last 2 years in Wave 1 and Wave 4 and onward.

## Differences with the RAND HRS/Harmonized HRS

The Harmonized HRS does not have a comparable variable for RwPSYCH in the Harmonized ELSA.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
HEDIB01	has a doctor ever told you that you [have/have had] any
HEDIB02	has a doctor ever told you that you [have/have had] any
HEDIB03	has a doctor ever told you that you [have/have had] any
HEDIB04	has a doctor ever told you that you [have/have had] any
HEDIB05	has a doctor ever told you that you [have/have had] any
HEDIB06	has a doctor ever told you that you [have/have had] any
HEDIB07	has a doctor ever told you that you [have/have had] any
HEDIB08	has a doctor ever told you that you [have/have had] any
HEDIB09	has a doctor ever told you that you [have/have had] any
HEDIB10	has a doctor ever told you that you [have/have had] any
HEDIM01	merged - has a doctor ever told you that you [have/have
HEDIM02	merged - has a doctor ever told you that you [have/have
HEDIM03	merged - has a doctor ever told you that you [have/have
HEDIM04	merged - has a doctor ever told you that you [have/have
HEDIM05	merged - has a doctor ever told you that you [have/have
HEDIM06	merged - has a doctor ever told you that you [have/have
HEDIM07	merged - has a doctor ever told you that you [have/have
HEYRA	in the last two years, have you had any angina or chest
HEYRA	in the last two years, have you had any angina or chest
HEYRB	in the last two years, have you had a heart attack or my
HEYRC	during the last two years have you had emotional, nervou

### Wave 2 Core:

HEDIB01	Diagnosed chronic condition newly reported at W2 (1st me
HEDIB02	Diagnosed chronic condition newly reported at W2 (2nd me
HEDIB03	Diagnosed chronic condition newly reported at W2 (3rd me
HEDIB04	Diagnosed chronic condition newly reported at W2 (4th me
HEDIM01	Diagnosed cardiovascular condit. newly reported at W2 (1
HEDIM02	Diagnosed cardiovascular condit. newly reported at W2 (2
HEDIM03	Diagnosed cardiovascular condit. newly reported at W2 (3
HEDIM04	Diagnosed cardiovascular condit. newly reported at W2 (4
HEDIM05	Diagnosed cardiovascular condit. newly reported at W2 (5
HEDIM06	Diagnosed cardiovascular condit. newly reported at W2 (6
HEDIM07	Diagnosed cardiovascular condit. newly reported at W2 (7
HEDIM08	Diagnosed cardiovascular condit. newly reported at W2 (8
HEYRA	Whether had angina or chest pains in last 2 years
HEYRB	Whether had heart attack in past two years
HEYRC	Psychiatric problems: whether experienced any in last 2

### Wave 3 Core:

DHEDIMAN	cvd: angina diagnosis newly reported (merged)
DHEDIMMI	cvd: heart attack diagnosis newly reported (merged)
HEDIBPS	(d) ever reported psychiatric disease (diagnosed)
HENMMI	number of heart attacks had since last interview
HEYRA	whether had angina or chest pains in last 2 years
HEYRC	psychiatric problems: whether experienced any in last 2

### Wave 4 Core:

HEDIBPS	chronic: psychiatric condition newly reported
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HEDIMAN cvd: angina diagnosis newly reported (merged)  
HEDIMMI cvd: heart attack diagnosis newly reported (merged)  
HENMMI number of heart attacks had in last 2 years  
HEYRA whether had angina or chest pains in last 2 years  
HEYRC psychiatric problems: whether experienced any in last 2

Wave 5 Core:  
HEDIBPS Chronic: psychiatric condition newly reported  
HEDIMAN CVD: angina diagnosis newly reported (merged)  
HEDIMMI CVD: heart attack diagnosis newly reported (merged)  
HENMMI Number of heart attacks had in last 2 years  
HEYRA Whether had angina or chest pains in last 2 years  
HEYRC Psychiatric problems: whether experienced any in last 2

Wave 6 Core:  
HEDIBPS chronic: psychiatric condition newly reported  
HEDIMAN cvd: angina diagnosis newly reported (merged)  
HEDIMMI cvd: heart attack diagnosis newly reported (merged)  
HENMMI number of heart attacks had in last 2 years  
HEYRA whether had angina or chest pains in last 2 years  
HEYRC psychiatric problems: whether experienced any in last 2

Wave 7 Core:  
HEDIBPS chronic: psychiatric condition newly reported  
HEDIMAN cvd: angina diagnosis newly reported (merged)  
HEDIMMI cvd: heart attack diagnosis newly reported (merged)  
HENMMI number of heart attacks had in last 2 years  
HEYRA whether had angina or chest pains in last 2 years  
HEYRC psychiatric problems: whether experienced any in last 2

Wave 8 Core:  
HEDIBPS chronic: psychiatric condition newly reported  
HEDIMAN cardiovascular disease: angina diagnosis newly reported  
HEDIMMI cardiovascular disease: heart attack diagnosis newly rep  
HENMMI number of heart attacks had in last 2 years  
HEYRA whether had angina or chest pains in last 2 years  
HEYRC psychiatric problems: whether experienced any in last 2

Wave 9 Core:  
HEDIBPS Chronic: psychiatric condition newly reported  
HEDIMAN Cardiovascular disease: angina diagnosis newly reported  
HEDIMMI Cardiovascular disease: heart attack diagnosis newly rep  
HENMMI Number of heart attacks had in last 2 years  
HEYRA Whether had angina or chest pains in last 2 years  
HEYRC Psychiatric problems: whether experienced any in last 2

<b>Doctor Diagnosed Health Problems: Whether Receives Treatment or Medication for Disease</b>
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Wave	Variable	Label	Type
1	R1RXHIBP	r1rxhibp:w1 r takes meds for high blood pressure	Categ
2	R2RXHIBP	r2rxhibp:w2 r takes meds for high blood pressure	Categ
3	R3RXHIBP	r3rxhibp:w3 r takes meds for high blood pressure	Categ
4	R4RXHIBP	r4rxhibp:w4 r takes meds for high blood pressure	Categ
5	R5RXHIBP	r5rxhibp:w5 r takes meds for high blood pressure	Categ
6	R6RXHIBP	r6rxhibp:w6 r takes meds for high blood pressure	Categ
7	R7RXHIBP	r7rxhibp:w7 r takes meds for high blood pressure	Categ
8	R8RXHIBP	r8rxhibp:w8 r takes meds for high blood pressure	Categ
9	R9RXHIBP	r9rxhibp:w9 r takes meds for high blood pressure	Categ
1	S1RXHIBP	s1rxhibp:w1 s takes meds for high blood pressure	Categ
2	S2RXHIBP	s2rxhibp:w2 s takes meds for high blood pressure	Categ
3	S3RXHIBP	s3rxhibp:w3 s takes meds for high blood pressure	Categ
4	S4RXHIBP	s4rxhibp:w4 s takes meds for high blood pressure	Categ
5	S5RXHIBP	s5rxhibp:w5 s takes meds for high blood pressure	Categ
6	S6RXHIBP	s6rxhibp:w6 s takes meds for high blood pressure	Categ
7	S7RXHIBP	s7rxhibp:w7 s takes meds for high blood pressure	Categ
8	S8RXHIBP	s8rxhibp:w8 s takes meds for high blood pressure	Categ
9	S9RXHIBP	s9rxhibp:w9 s takes meds for high blood pressure	Categ
1	R1RXDIABI	r1rxdiabi:w1 r takes insulin for diabetes	Categ
2	R2RXDIABI	r2rxdiabi:w2 r takes insulin for diabetes	Categ
3	R3RXDIABI	r3rxdiabi:w3 r takes insulin for diabetes	Categ
4	R4RXDIABI	r4rxdiabi:w4 r takes insulin for diabetes	Categ
5	R5RXDIABI	r5rxdiabi:w5 r takes insulin for diabetes	Categ
6	R6RXDIABI	r6rxdiabi:w6 r takes insulin for diabetes	Categ
7	R7RXDIABI	r7rxdiabi:w7 r takes insulin for diabetes	Categ
8	R8RXDIABI	r8rxdiabi:w8 r takes insulin for diabetes	Categ
9	R9RXDIABI	r9rxdiabi:w9 r takes insulin for diabetes	Categ
1	S1RXDIABI	s1rxdiabi:w1 s takes insulin for diabetes	Categ
2	S2RXDIABI	s2rxdiabi:w2 s takes insulin for diabetes	Categ
3	S3RXDIABI	s3rxdiabi:w3 s takes insulin for diabetes	Categ
4	S4RXDIABI	s4rxdiabi:w4 s takes insulin for diabetes	Categ
5	S5RXDIABI	s5rxdiabi:w5 s takes insulin for diabetes	Categ
6	S6RXDIABI	s6rxdiabi:w6 s takes insulin for diabetes	Categ
7	S7RXDIABI	s7rxdiabi:w7 s takes insulin for diabetes	Categ
8	S8RXDIABI	s8rxdiabi:w8 s takes insulin for diabetes	Categ
9	S9RXDIABI	s9rxdiabi:w9 s takes insulin for diabetes	Categ
1	R1RXDIABO	r1rxdiabo:w1 r takes oral meds for diabetes	Categ
2	R2RXDIABO	r2rxdiabo:w2 r takes oral meds for diabetes	Categ
3	R3RXDIABO	r3rxdiabo:w3 r takes oral meds for diabetes	Categ
4	R4RXDIABO	r4rxdiabo:w4 r takes oral meds for diabetes	Categ
5	R5RXDIABO	r5rxdiabo:w5 r takes oral meds for diabetes	Categ
6	R6RXDIABO	r6rxdiabo:w6 r takes oral meds for diabetes	Categ
7	R7RXDIABO	r7rxdiabo:w7 r takes oral meds for diabetes	Categ
8	R8RXDIABO	r8rxdiabo:w8 r takes oral meds for diabetes	Categ
9	R9RXDIABO	r9rxdiabo:w9 r takes oral meds for diabetes	Categ
1	S1RXDIABO	s1rxdiabo:w1 s takes oral meds for diabetes	Categ
2	S2RXDIABO	s2rxdiabo:w2 s takes oral meds for diabetes	Categ
3	S3RXDIABO	s3rxdiabo:w3 s takes oral meds for diabetes	Categ
4	S4RXDIABO	s4rxdiabo:w4 s takes oral meds for diabetes	Categ
5	S5RXDIABO	s5rxdiabo:w5 s takes oral meds for diabetes	Categ
6	S6RXDIABO	s6rxdiabo:w6 s takes oral meds for diabetes	Categ
7	S7RXDIABO	s7rxdiabo:w7 s takes oral meds for diabetes	Categ

8	S8RXDIABO	s8rxdiabo:w8 s takes oral meds for diabetes	Categ
9	S9RXDIABO	s9rxdiabo:w9 s takes oral meds for diabetes	Categ
1	R1RXDIAB	r1rxdiab:w1 r takes meds for diabetes	Categ
2	R2RXDIAB	r2rxdiab:w2 r takes meds for diabetes	Categ
3	R3RXDIAB	r3rxdiab:w3 r takes meds for diabetes	Categ
4	R4RXDIAB	r4rxdiab:w4 r takes meds for diabetes	Categ
5	R5RXDIAB	r5rxdiab:w5 r takes meds for diabetes	Categ
6	R6RXDIAB	r6rxdiab:w6 r takes meds for diabetes	Categ
7	R7RXDIAB	r7rxdiab:w7 r takes meds for diabetes	Categ
8	R8RXDIAB	r8rxdiab:w8 r takes meds for diabetes	Categ
9	R9RXDIAB	r9rxdiab:w9 r takes meds for diabetes	Categ
1	S1RXDIAB	s1rxdiab:w1 s takes meds for diabetes	Categ
2	S2RXDIAB	s2rxdiab:w2 s takes meds for diabetes	Categ
3	S3RXDIAB	s3rxdiab:w3 s takes meds for diabetes	Categ
4	S4RXDIAB	s4rxdiab:w4 s takes meds for diabetes	Categ
5	S5RXDIAB	s5rxdiab:w5 s takes meds for diabetes	Categ
6	S6RXDIAB	s6rxdiab:w6 s takes meds for diabetes	Categ
7	S7RXDIAB	s7rxdiab:w7 s takes meds for diabetes	Categ
8	S8RXDIAB	s8rxdiab:w8 s takes meds for diabetes	Categ
9	S9RXDIAB	s9rxdiab:w9 s takes meds for diabetes	Categ
1	R1RXLUNG	r1rxlung:w1 r takes meds for lung condition	Categ
2	R2RXLUNG	r2rxlung:w2 r takes meds for lung condition	Categ
3	R3RXLUNG	r3rxlung:w3 r takes meds for lung condition	Categ
4	R4RXLUNG	r4rxlung:w4 r takes meds for lung condition	Categ
5	R5RXLUNG	r5rxlung:w5 r takes meds for lung condition	Categ
6	R6RXLUNG	r6rxlung:w6 r takes meds for lung condition	Categ
7	R7RXLUNG	r7rxlung:w7 r takes meds for lung condition	Categ
8	R8RXLUNG	r8rxlung:w8 r takes meds for lung condition	Categ
9	R9RXLUNG	r9rxlung:w9 r takes meds for lung condition	Categ
1	S1RXLUNG	s1rxlung:w1 s takes meds for lung condition	Categ
2	S2RXLUNG	s2rxlung:w2 s takes meds for lung condition	Categ
3	S3RXLUNG	s3rxlung:w3 s takes meds for lung condition	Categ
4	S4RXLUNG	s4rxlung:w4 s takes meds for lung condition	Categ
5	S5RXLUNG	s5rxlung:w5 s takes meds for lung condition	Categ
6	S6RXLUNG	s6rxlung:w6 s takes meds for lung condition	Categ
7	S7RXLUNG	s7rxlung:w7 s takes meds for lung condition	Categ
8	S8RXLUNG	s8rxlung:w8 s takes meds for lung condition	Categ
9	S9RXLUNG	s9rxlung:w9 s takes meds for lung condition	Categ
1	R1RXASTHMA	r1rxasthma:w1 r takes meds for asthma	Categ
2	R2RXASTHMA	r2rxasthma:w2 r takes meds for asthma	Categ
3	R3RXASTHMA	r3rxasthma:w3 r takes meds for asthma	Categ
4	R4RXASTHMA	r4rxasthma:w4 r takes meds for asthma	Categ
5	R5RXASTHMA	r5rxasthma:w5 r takes meds for asthma	Categ
6	R6RXASTHMA	r6rxasthma:w6 r takes meds for asthma	Categ
7	R7RXASTHMA	r7rxasthma:w7 r takes meds for asthma	Categ
8	R8RXASTHMA	r8rxasthma:w8 r takes meds for asthma	Categ
9	R9RXASTHMA	r9rxasthma:w9 r takes meds for asthma	Categ
1	S1RXASTHMA	s1rxasthma:w1 s takes meds for asthma	Categ
2	S2RXASTHMA	s2rxasthma:w2 s takes meds for asthma	Categ
3	S3RXASTHMA	s3rxasthma:w3 s takes meds for asthma	Categ
4	S4RXASTHMA	s4rxasthma:w4 s takes meds for asthma	Categ
5	S5RXASTHMA	s5rxasthma:w5 s takes meds for asthma	Categ
6	S6RXASTHMA	s6rxasthma:w6 s takes meds for asthma	Categ
7	S7RXASTHMA	s7rxasthma:w7 s takes meds for asthma	Categ
8	S8RXASTHMA	s8rxasthma:w8 s takes meds for asthma	Categ
9	S9RXASTHMA	s9rxasthma:w9 s takes meds for asthma	Categ

1	R1TRCANCER	r1trcancr:w1	r	received treatment for cancer	Categ
2	R2TRCANCER	r2trcancr:w2	r	received treatment for cancer	Categ
3	R3TRCANCER	r3trcancr:w3	r	received treatment for cancer	Categ
4	R4TRCANCER	r4trcancr:w4	r	received treatment for cancer	Categ
5	R5TRCANCER	r5trcancr:w5	r	received treatment for cancer	Categ
6	R6TRCANCER	r6trcancr:w6	r	received treatment for cancer	Categ
7	R7TRCANCER	r7trcancr:w7	r	received treatment for cancer	Categ
8	R8TRCANCER	r8trcancr:w8	r	received treatment for cancer	Categ
9	R9TRCANCER	r9trcancr:w9	r	received treatment for cancer	Categ
1	S1TRCANCER	s1trcancr:w1	s	received treatment for cancer	Categ
2	S2TRCANCER	s2trcancr:w2	s	received treatment for cancer	Categ
3	S3TRCANCER	s3trcancr:w3	s	received treatment for cancer	Categ
4	S4TRCANCER	s4trcancr:w4	s	received treatment for cancer	Categ
5	S5TRCANCER	s5trcancr:w5	s	received treatment for cancer	Categ
6	S6TRCANCER	s6trcancr:w6	s	received treatment for cancer	Categ
7	S7TRCANCER	s7trcancr:w7	s	received treatment for cancer	Categ
9	S9TRCANCER	s9trcancr:w9	s	received treatment for cancer	Categ
2	R2RXHRTAT	r2rxhrtat:w2	r	taking betablocker for heart attack	Categ
5	R5RXHRTAT	r5rxhrtat:w5	r	taking betablocker for heart attack	Categ
2	S2RXHRTAT	s2rxhrtat:w2	s	taking betablocker for heart attack	Categ
5	S5RXHRTAT	s5rxhrtat:w5	s	taking betablocker for heart attack	Categ
2	R2RXBLDTHN	r2rxblldthn:w2	r	taking medication for heart, anticoagulant	Categ
3	R3RXBLDTHN	r3rxblldthn:w3	r	taking medication for heart, anticoagulant	Categ
4	R4RXBLDTHN	r4rxblldthn:w4	r	taking medication for heart, anticoagulant	Categ
5	R5RXBLDTHN	r5rxblldthn:w5	r	taking medication for heart, anticoagulant	Categ
6	R6RXBLDTHN	r6rxblldthn:w6	r	taking medication for heart, anticoagulant	Categ
7	R7RXBLDTHN	r7rxblldthn:w7	r	taking medication for heart, anticoagulant	Categ
8	R8RXBLDTHN	r8rxblldthn:w8	r	taking medication for heart, anticoagulant	Categ
9	R9RXBLDTHN	r9rxblldthn:w9	r	taking medication for heart, anticoagulant	Categ
2	S2RXBLDTHN	s2rxblldthn:w2	s	taking medication for heart, anticoagulant	Categ
3	S3RXBLDTHN	s3rxblldthn:w3	s	taking medication for heart, anticoagulant	Categ
4	S4RXBLDTHN	s4rxblldthn:w4	s	taking medication for heart, anticoagulant	Categ
5	S5RXBLDTHN	s5rxblldthn:w5	s	taking medication for heart, anticoagulant	Categ
6	S6RXBLDTHN	s6rxblldthn:w6	s	taking medication for heart, anticoagulant	Categ
7	S7RXBLDTHN	s7rxblldthn:w7	s	taking medication for heart, anticoagulant	Categ
8	S8RXBLDTHN	s8rxblldthn:w8	s	taking medication for heart, anticoagulant	Categ
9	S9RXBLDTHN	s9rxblldthn:w9	s	taking medication for heart, anticoagulant	Categ
2	R2RXOSTEO	r2rxosteo:w2	r	taking medication for osteoporosis	Categ
5	R5RXOSTEO	r5rxosteo:w5	r	taking medication for osteoporosis	Categ
6	R6RXOSTEO	r6rxosteo:w6	r	taking medication for osteoporosis	Categ
7	R7RXOSTEO	r7rxosteo:w7	r	taking medication for osteoporosis	Categ
8	R8RXOSTEO	r8rxosteo:w8	r	taking medication for osteoporosis	Categ
9	R9RXOSTEO	r9rxosteo:w9	r	taking medication for osteoporosis	Categ
2	S2RXOSTEO	s2rxosteo:w2	s	taking medication for osteoporosis	Categ
5	S5RXOSTEO	s5rxosteo:w5	s	taking medication for osteoporosis	Categ
6	S6RXOSTEO	s6rxosteo:w6	s	taking medication for osteoporosis	Categ
7	S7RXOSTEO	s7rxosteo:w7	s	taking medication for osteoporosis	Categ
8	S8RXOSTEO	s8rxosteo:w8	s	taking medication for osteoporosis	Categ
9	S9RXOSTEO	s9rxosteo:w9	s	taking medication for osteoporosis	Categ
2	R2RXDEPRES	r2rxdepres:w2	r	taking medication for depression	Categ
4	R4RXDEPRES	r4rxdepres:w4	r	taking medication for depression	Categ
8	R8RXDEPRES	r8rxdepres:w8	r	taking medication for depression	Categ
2	S2RXDEPRES	s2rxdepres:w2	s	taking medication for depression	Categ
4	S4RXDEPRES	s4rxdepres:w4	s	taking medication for depression	Categ

8	S8RXDEPRES	s8rxdepres:w8	s taking medication for depression	Categ
2	R2TRDEPRES	r2trdepres:w2	r receiving counseling for depression	Categ
4	R4TRDEPRES	r4trdepres:w4	r receiving counseling for depression	Categ
8	R8TRDEPRES	r8trdepres:w8	r receiving counseling for depression	Categ
2	S2TRDEPRES	s2trdepres:w2	s receiving counseling for depression	Categ
4	S4TRDEPRES	s4trdepres:w4	s receiving counseling for depression	Categ
8	S8TRDEPRES	s8trdepres:w8	s receiving counseling for depression	Categ
2	R2TRCHOL	r2trchol:w2	r receiving treatment for cholesterol	Categ
5	R5TRCHOL	r5trchol:w5	r receiving treatment for cholesterol	Categ
6	R6TRCHOL	r6trchol:w6	r receiving treatment for cholesterol	Categ
2	S2TRCHOL	s2trchol:w2	s receiving treatment for cholesterol	Categ
5	S5TRCHOL	s5trchol:w5	s receiving treatment for cholesterol	Categ
6	S6TRCHOL	s6trchol:w6	s receiving treatment for cholesterol	Categ
3	R3RXHCHOL	r3rxhchol:w3	r taking medication for cholesterol	Categ
4	R4RXHCHOL	r4rxhchol:w4	r taking medication for cholesterol	Categ
5	R5RXHCHOL	r5rxhchol:w5	r taking medication for cholesterol	Categ
6	R6RXHCHOL	r6rxhchol:w6	r taking medication for cholesterol	Categ
7	R7RXHCHOL	r7rxhchol:w7	r taking medication for cholesterol	Categ
8	R8RXHCHOL	r8rxhchol:w8	r taking medication for cholesterol	Categ
9	R9RXHCHOL	r9rxhchol:w9	r taking medication for cholesterol	Categ
3	S3RXHCHOL	s3rxhchol:w3	s taking medication for cholesterol	Categ
4	S4RXHCHOL	s4rxhchol:w4	s taking medication for cholesterol	Categ
5	S5RXHCHOL	s5rxhchol:w5	s taking medication for cholesterol	Categ
6	S6RXHCHOL	s6rxhchol:w6	s taking medication for cholesterol	Categ
7	S7RXHCHOL	s7rxhchol:w7	s taking medication for cholesterol	Categ
8	S8RXHCHOL	s8rxhchol:w8	s taking medication for cholesterol	Categ
9	S9RXHCHOL	s9rxhchol:w9	s taking medication for cholesterol	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RXHIBP	12086	0.28	0.45	0.00	1.00
R2RXHIBP	9423	0.15	0.35	0.00	1.00
R3RXHIBP	9762	0.31	0.46	0.00	1.00
R4RXHIBP	11034	0.32	0.46	0.00	1.00
R5RXHIBP	10114	0.35	0.48	0.00	1.00
R6RXHIBP	10424	0.34	0.47	0.00	1.00
R7RXHIBP	9557	0.34	0.47	0.00	1.00
R8RXHIBP	8341	0.35	0.48	0.00	1.00
R9RXHIBP	8616	0.34	0.47	0.00	1.00
S1RXHIBP	8060	0.27	0.44	0.00	1.00
S2RXHIBP	6171	0.14	0.35	0.00	1.00
S3RXHIBP	6383	0.29	0.45	0.00	1.00
S4RXHIBP	7390	0.30	0.46	0.00	1.00
S5RXHIBP	6859	0.33	0.47	0.00	1.00
S6RXHIBP	7100	0.31	0.46	0.00	1.00
S7RXHIBP	6487	0.31	0.46	0.00	1.00
S8RXHIBP	5623	0.33	0.47	0.00	1.00
S9RXHIBP	5739	0.31	0.46	0.00	1.00
R1RXDIABI	12090	0.02	0.12	0.00	1.00
R2RXDIABI	9428	0.02	0.13	0.00	1.00
R3RXDIABI	9765	0.02	0.13	0.00	1.00
R4RXDIABI	11029	0.02	0.13	0.00	1.00
R5RXDIABI	10258	0.02	0.14	0.00	1.00

R6RXDIABI	10585	0.02	0.15	0.00	1.00
R7RXDIABI	9638	0.02	0.15	0.00	1.00
R8RXDIABI	8425	0.02	0.15	0.00	1.00
R9RXDIABI	8716	0.02	0.15	0.00	1.00
S1RXDIABI	8062	0.02	0.12	0.00	1.00
S2RXDIABI	6175	0.02	0.13	0.00	1.00
S3RXDIABI	6383	0.02	0.13	0.00	1.00
S4RXDIABI	7387	0.02	0.13	0.00	1.00
S5RXDIABI	6951	0.02	0.14	0.00	1.00
S6RXDIABI	7232	0.02	0.14	0.00	1.00
S7RXDIABI	6539	0.02	0.14	0.00	1.00
S8RXDIABI	5673	0.02	0.14	0.00	1.00
S9RXDIABI	5807	0.02	0.14	0.00	1.00
R1RXDIABO	12090	0.04	0.20	0.00	1.00
R2RXDIABO	9428	0.06	0.24	0.00	1.00
R3RXDIABO	9765	0.07	0.26	0.00	1.00
R4RXDIABO	11027	0.07	0.26	0.00	1.00
R5RXDIABO	10254	0.09	0.29	0.00	1.00
R6RXDIABO	10569	0.09	0.29	0.00	1.00
R7RXDIABO	9623	0.09	0.29	0.00	1.00
R8RXDIABO	8410	0.10	0.30	0.00	1.00
R9RXDIABO	8709	0.10	0.30	0.00	1.00
S1RXDIABO	8062	0.04	0.20	0.00	1.00
S2RXDIABO	6175	0.06	0.24	0.00	1.00
S3RXDIABO	6383	0.07	0.25	0.00	1.00
S4RXDIABO	7386	0.07	0.26	0.00	1.00
S5RXDIABO	6951	0.08	0.28	0.00	1.00
S6RXDIABO	7225	0.08	0.28	0.00	1.00
S7RXDIABO	6532	0.08	0.28	0.00	1.00
S8RXDIABO	5666	0.09	0.29	0.00	1.00
S9RXDIABO	5804	0.09	0.29	0.00	1.00
R1RXDIAB	12090	0.05	0.22	0.00	1.00
R2RXDIAB	9428	0.07	0.25	0.00	1.00
R3RXDIAB	9765	0.07	0.26	0.00	1.00
R4RXDIAB	11029	0.08	0.27	0.00	1.00
R5RXDIAB	10258	0.09	0.29	0.00	1.00
R6RXDIAB	10585	0.09	0.29	0.00	1.00
R7RXDIAB	9638	0.10	0.30	0.00	1.00
R8RXDIAB	8426	0.10	0.30	0.00	1.00
R9RXDIAB	8716	0.10	0.30	0.00	1.00
S1RXDIAB	8062	0.05	0.22	0.00	1.00
S2RXDIAB	6175	0.07	0.25	0.00	1.00
S3RXDIAB	6383	0.07	0.25	0.00	1.00
S4RXDIAB	7387	0.07	0.26	0.00	1.00
S5RXDIAB	6951	0.09	0.28	0.00	1.00
S6RXDIAB	7232	0.09	0.28	0.00	1.00
S7RXDIAB	6539	0.09	0.29	0.00	1.00
S8RXDIAB	5673	0.09	0.29	0.00	1.00
S9RXDIAB	5807	0.09	0.29	0.00	1.00
R1RXDLUNG	12089	0.03	0.16	0.00	1.00
R2RXDLUNG	9427	0.03	0.18	0.00	1.00
R3RXDLUNG	9756	0.03	0.16	0.00	1.00
R4RXDLUNG	11029	0.03	0.17	0.00	1.00
R5RXDLUNG	10259	0.03	0.18	0.00	1.00
R6RXDLUNG	10592	0.03	0.18	0.00	1.00
R7RXDLUNG	9660	0.04	0.19	0.00	1.00
R8RXDLUNG	8438	0.04	0.20	0.00	1.00

R9RXLUNG	8732	0.04	0.19	0.00	1.00
S1RXLUNG	8061	0.02	0.15	0.00	1.00
S2RXLUNG	6175	0.03	0.16	0.00	1.00
S3RXLUNG	6382	0.02	0.14	0.00	1.00
S4RXLUNG	7388	0.02	0.15	0.00	1.00
S5RXLUNG	6954	0.03	0.16	0.00	1.00
S6RXLUNG	7234	0.03	0.16	0.00	1.00
S7RXLUNG	6556	0.03	0.17	0.00	1.00
S8RXLUNG	5682	0.04	0.19	0.00	1.00
S9RXLUNG	5819	0.04	0.18	0.00	1.00
R1RXASTHMA	12089	0.09	0.28	0.00	1.00
R2RXASTHMA	9426	0.09	0.29	0.00	1.00
R3RXASTHMA	9758	0.09	0.29	0.00	1.00
R4RXASTHMA	11032	0.09	0.29	0.00	1.00
R5RXASTHMA	10259	0.09	0.28	0.00	1.00
R6RXASTHMA	10593	0.09	0.29	0.00	1.00
R7RXASTHMA	9662	0.09	0.29	0.00	1.00
R8RXASTHMA	8438	0.10	0.29	0.00	1.00
R9RXASTHMA	8732	0.09	0.29	0.00	1.00
S1RXASTHMA	8061	0.08	0.28	0.00	1.00
S2RXASTHMA	6173	0.09	0.28	0.00	1.00
S3RXASTHMA	6383	0.09	0.28	0.00	1.00
S4RXASTHMA	7390	0.09	0.28	0.00	1.00
S5RXASTHMA	6954	0.08	0.28	0.00	1.00
S6RXASTHMA	7235	0.09	0.28	0.00	1.00
S7RXASTHMA	6557	0.09	0.29	0.00	1.00
S8RXASTHMA	5682	0.09	0.29	0.00	1.00
S9RXASTHMA	5819	0.09	0.29	0.00	1.00
R1TRCANCER	12088	0.03	0.16	0.00	1.00
R2TRCANCER	9426	0.02	0.13	0.00	1.00
R3TRCANCER	9757	0.03	0.17	0.00	1.00
R4TRCANCER	11034	0.03	0.17	0.00	1.00
R5TRCANCER	10260	0.03	0.18	0.00	1.00
R6TRCANCER	10593	0.03	0.18	0.00	1.00
R7TRCANCER	9662	0.03	0.18	0.00	1.00
R8TRCANCER	8400	0.02	0.15	0.00	1.00
R9TRCANCER	8688	0.02	0.15	0.00	1.00
S1TRCANCER	8060	0.03	0.16	0.00	1.00
S2TRCANCER	6175	0.02	0.13	0.00	1.00
S3TRCANCER	6383	0.03	0.17	0.00	1.00
S4TRCANCER	7390	0.03	0.17	0.00	1.00
S5TRCANCER	6955	0.03	0.18	0.00	1.00
S6TRCANCER	7235	0.03	0.18	0.00	1.00
S7TRCANCER	6557	0.03	0.18	0.00	1.00
S9TRCANCER	5787	0.02	0.14	0.00	1.00
R2RXHRTAT	9415	0.01	0.09	0.00	1.00
R5RXHRTAT	10262	0.01	0.09	0.00	1.00
S2RXHRTAT	6169	0.01	0.09	0.00	1.00
S5RXHRTAT	6956	0.01	0.09	0.00	1.00
R2RXBLDTHN	9238	0.04	0.19	0.00	1.00
R3RXBLDTHN	9761	0.06	0.24	0.00	1.00
R4RXBLDTHN	11034	0.12	0.32	0.00	1.00
R5RXBLDTHN	10257	0.08	0.28	0.00	1.00
R6RXBLDTHN	10590	0.07	0.26	0.00	1.00
R7RXBLDTHN	9658	0.06	0.23	0.00	1.00

R8RXBLDTHN	8434	0.06	0.23	0.00	1.00
R9RXBLDTHN	8733	0.04	0.19	0.00	1.00
S2RXBLDTHN	6060	0.04	0.19	0.00	1.00
S3RXBLDTHN	6383	0.06	0.23	0.00	1.00
S4RXBLDTHN	7391	0.11	0.31	0.00	1.00
S5RXBLDTHN	6955	0.07	0.26	0.00	1.00
S6RXBLDTHN	7235	0.06	0.24	0.00	1.00
S7RXBLDTHN	6555	0.05	0.22	0.00	1.00
S8RXBLDTHN	5680	0.05	0.22	0.00	1.00
S9RXBLDTHN	5819	0.03	0.18	0.00	1.00
R2RXOSTEO	9415	0.04	0.19	0.00	1.00
R5RXOSTEO	10167	0.04	0.19	0.00	1.00
R6RXOSTEO	10479	0.04	0.19	0.00	1.00
R7RXOSTEO	9539	0.04	0.20	0.00	1.00
R8RXOSTEO	8323	0.05	0.21	0.00	1.00
R9RXOSTEO	8617	0.04	0.20	0.00	1.00
S2RXOSTEO	6170	0.03	0.17	0.00	1.00
S5RXOSTEO	6911	0.03	0.17	0.00	1.00
S6RXOSTEO	7190	0.03	0.17	0.00	1.00
S7RXOSTEO	6495	0.03	0.18	0.00	1.00
S8RXOSTEO	5617	0.03	0.18	0.00	1.00
S9RXOSTEO	5758	0.03	0.18	0.00	1.00
R2RXDEPRES	9423	0.01	0.11	0.00	1.00
R4RXDEPRES	11013	0.03	0.18	0.00	1.00
R8RXDEPRES	8424	0.00	0.06	0.00	1.00
S2RXDEPRES	6173	0.01	0.11	0.00	1.00
S4RXDEPRES	7377	0.03	0.16	0.00	1.00
S8RXDEPRES	5674	0.00	0.06	0.00	1.00
R2TRDEPRES	9423	0.00	0.06	0.00	1.00
R4TRDEPRES	11011	0.01	0.11	0.00	1.00
R8TRDEPRES	8424	0.00	0.04	0.00	1.00
S2TRDEPRES	6173	0.00	0.06	0.00	1.00
S4TRDEPRES	7376	0.01	0.11	0.00	1.00
S8TRDEPRES	5674	0.00	0.05	0.00	1.00
R2TRCHOL	9422	0.03	0.16	0.00	1.00
R5TRCHOL	10235	0.01	0.12	0.00	1.00
R6TRCHOL	10550	0.01	0.12	0.00	1.00
S2TRCHOL	6171	0.03	0.16	0.00	1.00
S5TRCHOL	6940	0.01	0.12	0.00	1.00
S6TRCHOL	7209	0.01	0.11	0.00	1.00
R3RXHCHOL	9757	0.18	0.39	0.00	1.00
R4RXHCHOL	11026	0.21	0.41	0.00	1.00
R5RXHCHOL	10257	0.24	0.43	0.00	1.00
R6RXHCHOL	10588	0.25	0.43	0.00	1.00
R7RXHCHOL	9656	0.25	0.44	0.00	1.00
R8RXHCHOL	8437	0.26	0.44	0.00	1.00
R9RXHCHOL	8732	0.25	0.43	0.00	1.00
S3RXHCHOL	6380	0.18	0.38	0.00	1.00
S4RXHCHOL	7388	0.20	0.40	0.00	1.00
S5RXHCHOL	6956	0.24	0.43	0.00	1.00
S6RXHCHOL	7234	0.24	0.43	0.00	1.00
S7RXHCHOL	6553	0.25	0.43	0.00	1.00



S8RXHCHOL	5682	0.25	0.43	0.00	1.00
S9RXHCHOL	5818	0.24	0.43	0.00	1.00

### Categorical Variable Codes

Value-----	R1RXHIBP	R2RXHIBP	R3RXHIBP	R4RXHIBP	R5RXHIBP
.d:DK	8		1	9	5
.m:Missing	2	9	3		154
.r:Refuse	3			7	1
0.No	8687	8051	6692	7553	6564
1.Yes	3399	1372	3070	3481	3550

Value-----	R6RXHIBP	R7RXHIBP	R8RXHIBP	R9RXHIBP
.d:DK	3	3	4	1
.m:Missing	173	106	98	119
.r:Refuse	1		2	
0.No	6924	6321	5408	5699
1.Yes	3500	3236	2933	2917

Value-----	S1RXHIBP	S2RXHIBP	S3RXHIBP	S4RXHIBP	S5RXHIBP
.d:DK	5			6	3
.m:Missing	2	7	1		101
.r:Refuse	3			6	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	5906	5316	4523	5201	4618
1.Yes	2154	855	1860	2189	2241

Value-----	S6RXHIBP	S7RXHIBP	S8RXHIBP	S9RXHIBP
.d:DK	1	2	1	1
.m:Missing	140	71	62	80
.r:Refuse	1		2	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.No	4875	4448	3781	3940
1.Yes	2225	2039	1842	1799

Value-----	R1RXDIABI	R2RXDIABI	R3RXDIABI	R4RXDIABI	R5RXDIABI
.d:DK	6	3	1	4	2
.m:Missing		1		7	13
.p:proxy				6	
.r:Refuse	3			4	1
0.No	11908	9272	9592	10830	10039
1.Yes	182	156	173	199	219

Value-----	R6RXDIABI	R7RXDIABI	R8RXDIABI	R9RXDIABI
.d:DK		3	1	2
.m:Missing	15	25	18	18
.r:Refuse	1		1	
0.No	10341	9420	8229	8507
1.Yes	244	218	196	209

Value-----	S1RXDIABI	S2RXDIABI	S3RXDIABI	S4RXDIABI	S5RXDIABI
.d:DK	5	2	1	2	2
.m:Missing		1		4	10
.p:proxy				5	
.r:Refuse	3			4	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7937	6066	6279	7263	6819
1.Yes	125	109	104	124	132

Value-----	S6RXDIABI	S7RXDIABI	S8RXDIABI	S9RXDIABI
.d:DK		2		1
.m:Missing	9	19	14	12
.r:Refuse	1		1	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.No	7079	6411	5556	5684

1.Yes	153	128	117	123	
Value-----	R1RXDIABO	R2RXDIABO	R3RXDIABO	R4RXDIABO	R5RXDIABO
.d:DK	6	3	1	5	6
.m:Missing		1		7	13
.p:proxy				7	
.r:Refuse	3			4	1
0.No	11565	8850	9078	10202	9333
1.Yes	525	578	687	825	921
Value-----	R6RXDIABO	R7RXDIABO	R8RXDIABO	R9RXDIABO	
.d:DK	16	18	16	8	
.m:Missing	15	25	18	18	
.r:Refuse	1		1	1	
0.No	9625	8740	7599	7869	
1.Yes	944	883	811	840	
Value-----	S1RXDIABO	S2RXDIABO	S3RXDIABO	S4RXDIABO	S5RXDIABO
.d:DK	5	2	1	3	2
.m:Missing		1		4	10
.p:proxy				5	
.r:Refuse	3			4	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7727	5805	5963	6864	6365
1.Yes	335	370	420	522	586
Value-----	S6RXDIABO	S7RXDIABO	S8RXDIABO	S9RXDIABO	
.d:DK	7	9	7	3	
.m:Missing	9	19	14	12	
.r:Refuse	1		1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6626	5978	5160	5285	
1.Yes	599	554	506	519	
Value-----	R1RXDIAB	R2RXDIAB	R3RXDIAB	R4RXDIAB	R5RXDIAB
.d:DK	6	3	1	4	2
.m:Missing		1		13	13
.r:Refuse	3			4	1
0.No	11453	8801	9038	10169	9298
1.Yes	637	627	727	860	960
Value-----	R6RXDIAB	R7RXDIAB	R8RXDIAB	R9RXDIAB	
.d:DK		3		2	
.m:Missing	15	25	18	18	
.r:Refuse	1		1		
0.No	9595	8706	7574	7837	
1.Yes	990	932	852	879	
Value-----	S1RXDIAB	S2RXDIAB	S3RXDIAB	S4RXDIAB	S5RXDIAB
.d:DK	5	2	1	2	2
.m:Missing		1		9	10
.r:Refuse	3			4	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7650	5773	5939	6843	6346
1.Yes	412	402	444	544	605
Value-----	S6RXDIAB	S7RXDIAB	S8RXDIAB	S9RXDIAB	
.d:DK		2		1	
.m:Missing	9	19	14	12	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6605	5953	5142	5266	
1.Yes	627	586	531	541	
Value-----	R1RXDLUNG	R2RXDLUNG	R3RXDLUNG	R4RXDLUNG	R5RXDLUNG
.d:DK	6	2	1	11	11
.m:Missing		2	9	5	

.r:Refuse	4	1		5	4
0.No	11756	9128	9497	10716	9927
1.Yes	333	299	259	313	332
Value-----	R6RXLUNG	R7RXLUNG	R8RXLUNG	R9RXLUNG	
.d:DK	5	6	3	3	
.r:Refuse	4		4	1	
0.No	10246	9306	8090	8400	
1.Yes	346	354	348	332	
Value-----	S1RXLUNG	S2RXLUNG	S3RXLUNG	S4RXLUNG	S5RXLUNG
.d:DK	6		1	7	7
.m:Missing		2	1	2	
.r:Refuse	3	1		5	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7869	6010	6250	7219	6778
1.Yes	192	165	132	169	176
Value-----	S6RXLUNG	S7RXLUNG	S8RXLUNG	S9RXLUNG	
.d:DK	5	4	2	1	
.r:Refuse	3		4		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	7041	6356	5480	5615	
1.Yes	193	200	202	204	
Value-----	R1RXASTHMA	R2RXASTHMA	R3RXASTHMA	R4RXASTHMA	R5RXASTHMA
.d:DK	6	1		8	11
.m:Missing		4	8	5	
.r:Refuse	4	1		5	4
0.No	11031	8558	8884	10039	9345
1.Yes	1058	868	874	993	914
Value-----	R6RXASTHMA	R7RXASTHMA	R8RXASTHMA	R9RXASTHMA	
.d:DK	4	4	3	3	
.r:Refuse	4		4	1	
0.No	9640	8796	7636	7927	
1.Yes	953	866	802	805	
Value-----	S1RXASTHMA	S2RXASTHMA	S3RXASTHMA	S4RXASTHMA	S5RXASTHMA
.d:DK	6			4	7
.m:Missing		4	1	3	
.r:Refuse	3	1		5	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7395	5645	5836	6749	6368
1.Yes	666	528	547	641	586
Value-----	S6RXASTHMA	S7RXASTHMA	S8RXASTHMA	S9RXASTHMA	
.d:DK	4	3	2	1	
.r:Refuse	3		4		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6601	5971	5144	5293	
1.Yes	634	586	538	526	
Value-----	R1TRCANCER	R2TRCANCER	R3TRCANCER	R4TRCANCER	R5TRCANCER
.d:DK	7	5		10	10
.m:Missing			9	1	
.r:Refuse	4	1		5	4
0.No	11774	9262	9472	10720	9908
1.Yes	314	164	285	314	352
Value-----	R6TRCANCER	R7TRCANCER	R8TRCANCER	R9TRCANCER	
.d:DK	1	3	2	3	
.p:proxy	3	1	42	44	
.r:Refuse	4		1	1	
0.No	10253	9334	8202	8487	
1.Yes	340	328	198	201	

Value-----	S1TRCANCR	S2TRCANCR	S3TRCANCR	S4TRCANCR	S5TRCANCR
.d:DK	7	2		6	6
.m:Missing			1	1	
.r:Refuse	3	1		5	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	7851	6062	6200	7173	6733
1.Yes	209	113	183	217	222
Value-----	S6TRCANCR	S7TRCANCR		S9TRCANCR	
.d:DK	1	3		1	
.p:proxy	3			32	
.r:Refuse	3				
.u:Unmar	2802	2548		2286	
.v:SP NR	557	558		630	
0.No	6998	6344		5674	
1.Yes	237	213		113	
Value-----		R2RXHRTAT			R5RXHRTAT
.d:DK					7
.m:Missing		17			3
.r:Refuse					2
0.No		9345			10169
1.Yes		70			93
Value-----		S2RXHRTAT			S5RXHRTAT
.d:DK					3
.m:Missing		9			3
.r:Refuse					2
.u:Unmar		2671			2742
.v:SP NR		583			568
0.No		6120			6894
1.Yes		49			62
Value-----		R2RXBLDTHN	R3RXBLDTHN	R4RXBLDTHN	R5RXBLDTHN
.d:DK		2		9	12
.m:Missing		192	5		1
.r:Refuse				7	4
0.No		8894	9146	9741	9388
1.Yes		344	615	1293	869
Value-----	R6RXBLDTHN	R7RXBLDTHN	R8RXBLDTHN	R9RXBLDTHN	
.d:DK	7	6	7	2	
.m:Missing		1	1		
.r:Refuse	4	1	3	1	
0.No	9832	9118	7948	8402	
1.Yes	758	540	486	331	
Value-----		S2RXBLDTHN	S3RXBLDTHN	S4RXBLDTHN	S5RXBLDTHN
.d:DK				5	5
.m:Missing		118	1		1
.r:Refuse				6	3
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.No		5845	6031	6600	6437
1.Yes		215	352	791	518
Value-----	S6RXBLDTHN	S7RXBLDTHN	S8RXBLDTHN	S9RXBLDTHN	
.d:DK	4	4	4	1	
.m:Missing			1		
.r:Refuse	3	1	3		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6788	6220	5380	5619	
1.Yes	447	335	300	200	
Value-----		R2RXOSTEO			R5RXOSTEO
.d:DK		2			12
.m:Missing		14			49
.p:proxy					45
.r:Refuse		1			1

0.No		9074			9767
1.Yes		341			400
Value-----	R6RXOSTEO	R7RXOSTEO	R8RXOSTEO	R9RXOSTEO	
.d:DK	14	4	3	4	
.m:Missing	54	48	61	56	
.p:proxy	53	75	58	59	
.r:Refuse	1				
0.No	10081	9135	7947	8249	
1.Yes	398	404	376	368	
Value-----		S2RXOSTEO		S5RXOSTEO	
.d:DK		1		3	
.m:Missing		6		24	
.p:proxy				25	
.r:Refuse		1		1	
.u:Unmar		2671		2742	
.v:SP NR		583		568	
0.No		5986		6699	
1.Yes		184		212	
Value-----	S6RXOSTEO	S7RXOSTEO	S8RXOSTEO	S9RXOSTEO	
.d:DK			1	1	
.m:Missing	27	24	38	32	
.p:proxy	24	41	32	29	
.r:Refuse	1				
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	6972	6276	5422	5566	
1.Yes	218	219	195	192	
Value-----		R2RXDEPRES		R4RXDEPRES	
.d:DK		7		11	
.m:Missing		1		1	
.p:proxy				21	
.r:Refuse		1		4	
0.No		9299		10655	
1.Yes		124		358	
Value-----			R8RXDEPRES		
.d:DK			2		
.p:proxy			18		
.r:Refuse			1		
0.No			8389		
1.Yes			35		
Value-----		S2RXDEPRES		S4RXDEPRES	
.d:DK		3		7	
.m:Missing		1			
.p:proxy				14	
.r:Refuse		1		4	
.u:Unmar		2671		2932	
.v:SP NR		583		716	
0.No		6101		7187	
1.Yes		72		190	
Value-----			S8RXDEPRES		
.d:DK			1		
.p:proxy			12		
.r:Refuse			1		
.u:Unmar			2255		
.v:SP NR			502		
0.No			5650		
1.Yes			24		
Value-----		R2TRDEPRES		R4TRDEPRES	
.d:DK		7		13	
.m:Missing		1		1	
.p:proxy				21	
.r:Refuse		1		4	
0.No		9392		10868	

1.Yes		31			143
Value-----			R8TRDEPRES		
.d:DK			2		
.p:proxy			18		
.r:Refuse			1		
0.No			8409		
1.Yes			15		
Value-----		S2TRDEPRES		S4TRDEPRES	
.d:DK		3		8	
.m:Missing		1			
.p:proxy				14	
.r:Refuse		1		4	
.u:Unmar		2671		2932	
.v:SP NR		583		716	
0.No		6152		7293	
1.Yes		21		83	
Value-----			S8TRDEPRES		
.d:DK			1		
.p:proxy			12		
.r:Refuse			1		
.u:Unmar			2255		
.v:SP NR			502		
0.No			5662		
1.Yes			12		
Value-----		R2TRCHOL		R5TRCHOL	
.d:DK				1	
.m:Missing		9		37	
.r:Refuse		1		1	
0.No		9174		10092	
1.Yes		248		143	
Value-----		R6TRCHOL			
.m:Missing		50			
.r:Refuse		1			
0.No		10406			
1.Yes		144			
Value-----		S2TRCHOL		S5TRCHOL	
.d:DK				1	
.m:Missing		6		22	
.r:Refuse		1		1	
.u:Unmar		2671		2742	
.v:SP NR		583		568	
0.No		6012		6838	
1.Yes		159		102	
Value-----		S6TRCHOL			
.m:Missing		32			
.r:Refuse		1			
.u:Unmar		2802			
.v:SP NR		557			
0.No		7122			
1.Yes		87			
Value-----			R3RXHCHOL	R4RXHCHOL	R5RXHCHOL
.d:DK			4	15	13
.m:Missing			5	2	
.r:Refuse				7	4
0.No			7979	8704	7746
1.Yes			1778	2322	2511
Value-----	R6RXHCHOL	R7RXHCHOL	R8RXHCHOL	R9RXHCHOL	
.d:DK	9	7	6	3	
.m:Missing		2			
.r:Refuse	4	1	2	1	
0.No	7989	7197	6228	6586	
1.Yes	2599	2459	2209	2146	

Value-----	S3RXHCHOL	S4RXHCHOL	S5RXHCHOL
.d:DK	3	6	5
.m:Missing	1	2	
.r:Refuse		6	3
.u:Unmar	2706	2932	2742
.v:SP NR	676	716	568
0.No	5240	5890	5293
1.Yes	1140	1498	1663

Value-----	S6RXHCHOL	S7RXHCHOL	S8RXHCHOL	S9RXHCHOL
.d:DK	5	4	4	2
.m:Missing		2		
.r:Refuse	3	1	2	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.No	5519	4941	4246	4434
1.Yes	1715	1612	1436	1384

## How Constructed

These variables indicate whether the respondent takes medication or receives treatment for a condition. These variables are coded as 0.no, and 1.yes. If the respondent does not have the condition, and therefore would have no need to take medication treating it, then the variable is assigned a value of 0. Don't know, refused, or other missing responses of these variables are assigned special missing codes .d, .r, and .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRXHIBP indicates whether the respondent takes medication for high blood pressure. Starting in Wave 3, respondents are also asked if they are taking medication which helps prevent them from getting high blood pressure any more. If the respondent reports not taking any medication for their high blood pressure or reports not taking medication which prevents high blood pressure, then a 0 is assigned. If the respondent reports taking either, then a 1 is assigned. The respondent is asked about taking medication for high blood pressure after reporting a high blood pressure diagnosis.

RwRXDIABO indicates whether the respondent takes oral medication for diabetes, and RwRXDIABI indicates whether the respondent injects insulin for diabetes. RwRXDIAB indicates whether the respondent either takes oral medication or uses insulin shots for diabetes. The respondent is asked about taking medication for diabetes after reporting a diabetes or high blood sugar diagnosis.

RwRXLUNG indicates whether the respondent takes medication for chronic lung disease, such as chronic bronchitis or emphysema, not including asthma. Starting in Wave 3, respondents are also asked if they are taking medication which helps prevent them from getting chronic lung disease any more. If the respondent reports not taking any medication for their lung condition or reports not taking medication which prevents lung disease, then a 0 is assigned. If the respondent reports taking either, then a 1 is assigned. The respondent is asked about taking medication for lung disease after reporting a diagnosis of lung disease.

RwRXASTHMA indicates whether the respondent takes medication for asthma. Starting in Wave 3, respondents are also asked if they are taking medication which helps prevent them from getting asthma any more. If the respondent reports not taking any medication for their asthma or reports not taking medication which prevents asthma, then a 0 is assigned. If the respondent reports taking either, then a 1 is assigned. The respondent is asked about taking medication for asthma after reporting a diagnosis of asthma.

RwTRCANCR indicates whether the respondent has received any treatment in the last two years for cancer. The respondent is asked about receiving treatment for cancer after reporting a diagnosis of cancer. Starting in Wave 3, respondents are asked about receiving treatment for leukemia or lymphoma separately from receiving treatment for cancer or a malignant tumor. The respondent is asked about receiving treatment for leukemia or lymphoma after reporting a diagnosis of leukemia or lymphoma. However, in Wave 8, the data for leukemia or lymphoma were not included dataset. Therefore, RwTRCANCR includes information about receiving treatment for both cancer or a malignant tumor and the blood disorders leukemia or lymphoma in Waves 3 through 7 and Wave 9. RwTRCANCR is assigned special missing .p in Waves 6 and onward if the question is not asked because the interview is by proxy.

RwRXHRTAT indicates whether the respondent is taking beta-blockers for a heart attack diagnosis and is available in Waves 2 and 5. The respondent is asked about taking beta-blockers after a report of having a heart attack.

RwRXBLDTHN indicates whether the respondent is taking medication to thin blood like Warfarin, Apsirin, Plavix, Ticlid, or other medications to thin the blood. RwRXBLDTHN is available starting in Wave 2. In Waves 2, 3, and 5 and onward the respondent is asked about taking medication to thin blood after reporting being diagnosed with angina or a heart attack. In Wave 4, the respondent is asked about taking medication to thin blood after reporting being diagnosed with angina, heart attack, stroke, or diabetes.

RwRXOSTEO indicates whether the respondent is taking medication for osteoporosis. The respondent is asked about taking medication for osteoporosis after reporting a diagnosis of osteoporosis. RwRXOSTEO is assigned special missing .p in Wave 5 and onward if this question is not asked because the interview is by proxy. RwRXOSTEO is not available in Waves 1, 3, or 4.

RwRXDEPRES indicates whether the respondent is taking medication for depression. The respondent is asked about medication for depression after reporting being diagnosed with depression. RwRXDEPRES is only available in Waves 2, 4, and 8. RwRXDEPRES is assigned special missing .p in Waves 4 and 8 if this question is not asked because the interview is by proxy.

RwTRDEPRES indicates whether the respondent is receiving counseling for depression. The respondent is asked about receiving counseling for depression after reporting being diagnosed with depression. RwTRDEPRES is only available in Waves 2, 4, and 8. RwTRDEPRES is assigned special missing .p in Waves 4 and 8 if this question is not asked because the interview is by proxy.

RwTRCHOL indicates whether the respondent is receiving treatment for high cholesterol, including changing their diet, losing weight, getting more exercise, or taking medication. The respondent is asked about receiving treatment for cholesterol after reporting being diagnosed with angina, a heart attack, diabetes, or high cholesterol and being advised by a doctor about how to lower cholesterol. RwTRCHOL is only available in Waves 2, 5, and 6.

RwRXHCHOL indicates whether the respondent is taking medication for high cholesterol and is available starting in Wave 3. The respondent is asked about currently taking medication to lower their cholesterol level and taking medication to prevent the respondent from getting high cholesterol any more. If the respondent reports not taking any medication to lower their cholesterol or reports not taking medication to prevent high cholesterol then a 0 is assigned. If the respondent reports taking either, then a 1 is assigned. The respondent is asked about taking medication for cholesterol after reporting being diagnosed with high cholesterol.

SwRXHIBP, SwRXDIABO, SwRXDIABI, SwRXDIAB, SwRXLUNG, SwRXASTHMA, SwTRCANCER, SwRXHRTAT, SwRXBLDTHN, SwRXOSTEO, SwRXPSYCH, SwTRPSYCH, and SwTRCHOL, and SwRXHCHOL indicate whether the respondent's current wave's spouse takes medication or receives treatment for the specified condition, and are taken from the corresponding respondent variables. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Respondents were asked about taking betablockers for heart attacks in Waves 2 and 5, so RwRXHRTAT is available in Waves 2 and 5.

RxBLDTHN is available starting in Wave 2. In Waves 2, 3, and 5 and onward the respondent is asked about taking medication to thin blood after reporting being diagnosed with angina or a heart attack. In Wave 4, the respondent is asked about taking medication to thin blood after reporting being diagnosed with angina, heart attack, stroke, or diabetes.

Proxy respondents are not asked about receiving treatment for cancer in Waves 6 and onward.

Respondents were asked about taking medication for osteoporosis in Waves 2, and 5 and onward. Therefore, RwRXOSTEO is available in those waves. Proxy respondents are not asked about taking medication for osteoporosis in Waves 5 and onward.



Respondents were asked about taking medication for depression and receiving counseling for depression in Waves 2, 4, and 8. Therefore, RWRXDEPRES and RWTRDEPRES are only available in Waves 2, 4, and 8. Proxy respondents are not asked about taking medication or receiving treatment for depression in Waves 4 and 8.

Respondents were asked about receiving treatment for cholesterol in Waves 2, 5, and 6. Therefore, RWTRCHOL is only available in those waves.

RWRXHCHOL is available starting in Waves 3.

In addition to being asked about taking medication or receiving treatment for a condition, starting in Wave 3 respondents were also asked if they were taking medication to help prevent them from getting high blood pressure, chronic lung disease, or asthma.

Starting in Wave 3, respondents are asked about receiving treatment leukemia or lymphoma separately from receiving treatment for cancer or a malignant tumor. However, in Wave 8, the data for leukemia or lymphoma were not included dataset. Therefore, RWTRCANCER includes information about receiving treatment for both cancer or a malignant tumor and the blood disorders leukemia or lymphoma in Waves 3 through 7, and Wave 9.

### Differences with the RAND HRS/Harmonized HRS

In the HRS, respondents were not asked about taking medication or receiving treatment to prevent any conditions from developing.

Unlike the HRS, ELSA asks questions regarding medication for asthma, medication for osteoporosis, and treatment for high cholesterol.

In the HRS, respondents were asked about different types of cancer treatments. In the ELSA, respondents were asked a yes/no question about whether they were receiving treatment for cancer.

The Harmonized HRS offers RWRXPSYCH and RWTRPSYCH, indicating whether the respondent takes medication or receives treatment for psychological conditions, and RWRXDEPRES, indicating whether the respondent takes medication for depression. The ELSA also offers RWRXDEPRES, indicating whether the respondent takes medication for depression, and also has RWTRDEPRES, indicating whether the respondent receives treatment for depression. In the HRS, the respondent is asked about taking medication for depression if they report regularly taking prescription medication, and in the ELSA, the respondent is asked about taking medication for depression if they report a diagnosis of depression.

### ELSA Variables Used

Wave 1 Core:

HEAMA	are you taking medication or other treatment for your as
HECANB	during the last two years have you received any treatment
HEDIB01	has a doctor ever told you that you [have/have had] any
HEDIB02	has a doctor ever told you that you [have/have had] any
HEDIB03	has a doctor ever told you that you [have/have had] any
HEDIB04	has a doctor ever told you that you [have/have had] any
HEDIB05	has a doctor ever told you that you [have/have had] any
HEDIB06	has a doctor ever told you that you [have/have had] any
HEDIB07	has a doctor ever told you that you [have/have had] any
HEDIB08	has a doctor ever told you that you [have/have had] any
HEDIB09	has a doctor ever told you that you [have/have had] any
HEDIB10	has a doctor ever told you that you [have/have had] any
HEDIM01	merged - has a doctor ever told you that you [have/have
HEDIM02	merged - has a doctor ever told you that you [have/have
HEDIM03	merged - has a doctor ever told you that you [have/have
HEDIM04	merged - has a doctor ever told you that you [have/have
HEDIM05	merged - has a doctor ever told you that you [have/have
HEDIM06	merged - has a doctor ever told you that you [have/have
HEDIM07	merged - has a doctor ever told you that you [have/have
HEINS	do you currently inject insulin for diabetes?

HELNG	are you taking medication or other treatment for your lu
HEMDA	are you currently taking any medicines, tablets or pills
HEMDB	are you currently taking any tablets, pills or other med
Wave 2 Core:	
HEACD	Whether ever been told has diabetes by doctor
HEACEA	Diabetes: whether taking ACE inhibitor or A2 receptor bl
HEAMA	Whether taking medication for asthma
HEBETB	MI: whether taking betablocker (coded by interviewer)
HECANB	Cancer: whether received treatment in last 2 years
HECHOA	High cholesterol: whether taken recommended action
HECHOL	High cholesterol: whether doctor has discussed action to
HEDIAC3	Whether confirms heart attack recorded in wave 1
HEDIAC7	Whether confirms diabetes recorded in wave 1
HEDIAD1	Whether confirms chronic lung disease recorded in wave 1
HEDIAD2	Whether confirms asthma recorded in wave 1
HEDIAD4	Whether confirms osteoporosis recorded in wave 1
HEDIB01	Diagnosed chronic condition newly reported at W2 (1st me
HEDIB02	Diagnosed chronic condition newly reported at W2 (2nd me
HEDIB03	Diagnosed chronic condition newly reported at W2 (3rd me
HEDIB04	Diagnosed chronic condition newly reported at W2 (4th me
HEDIM01	Diagnosed cardiovascular condit. newly reported at W2 (1
HEDIM02	Diagnosed cardiovascular condit. newly reported at W2 (2
HEDIM03	Diagnosed cardiovascular condit. newly reported at W2 (3
HEDIM04	Diagnosed cardiovascular condit. newly reported at W2 (4
HEDIM05	Diagnosed cardiovascular condit. newly reported at W2 (5
HEDIM06	Diagnosed cardiovascular condit. newly reported at W2 (6
HEDIM07	Diagnosed cardiovascular condit. newly reported at W2 (7
HEHRTA	Angina or MI: whether anticoagulation medication suggest
HEHRTB	Angina or MI: whether taking anticogulant medication
HEINS	Diabetes: whether currently injects insulin
HELNG	Whether taking medication for lung condition
HEMDA	High blood pressure: whether taking medication
HEMDB	Diabetes: whether taking medication
HEOSTEB	Osteoporosis: whether doctor or nurse recommended medica
HEOSTEC	Osteoporosis: whether taking medication
HEPSY1	Type of psychiatric problem (1st mention)
HEPSY2	Type of psychiatric problem (2nd mention)
HEPSY3	Type of psychiatric problem (3rd mention)
HEPSY4	Type of psychiatric problem (4th mention)
HEPSY5	Type of psychiatric problem (5th mention)
HEPSY6	Type of psychiatric problem (6th mention)
HEPSYA	Depression: action recommended by doctor (medication and
HEPSYB	Depression: whether started treatment within 2 weeks of
Wave 3 Core:	
DHEACD	whether ever been told has diabetes by doctor
DHEDIBAS	chronic: asthma diagnosis newly reported
DHEDIBCA	chronic: cancer diagnosis newly reported
DHEDIBLU	chronic: lung disease diagnosis newly reported
DHEDIMAN	cvd: angina diagnosis newly reported (merged)
DHEDIMBP	cvd: high blood pressure diagnosis newly reported (merge
DHEDIMCH	cvd: high cholesterol diagnosis newly reported (merged)
DHEDIMMI	cvd: heart attack diagnosis newly reported (merged)
HEAMA	whether taking medication for asthma
HEAMB	whether taking medication for preventing asthma
HECANB	cancer: whether received treatment in last 2 years
HECANBB	leukaemia or lymphoma: whether received treatment since
HECHMD	cholesterol: whether taking medication to lower choleste
HECHME	cholesterol: whether taking medication to prevent level
HEDACDI	whether confirms diabetes or high blood sugar diagnosis
HEDIBBL	chronic: blood disorder diagnosis newly reported
HEDIMDI	(d) ever reported diabetes or high blood sugar (diagnose
HEHRTMD	angina or mi: whether taking blood-thinning medication
HEINS	diabetes: whether currently injects insulin

HELEUK	type of blood disorder has
HELNG	whether taking medication for lung condition
HELNGB	whether taking medication to prevent return of lung cond
HEMDA	high blood pressure: whether taking medication
HEMDAB	high blood pressure: whether taking medication to preven
HEMDB	diabetes: whether taking medication
Wave 4 Core:	
HEACD	whether ever been told has diabetes by doctor
HEACEA	diabetes: whether taking ace inhibitor or a2 receptor bl
HEAMA	whether taking medication for asthma
HEAMB	whether taking medication for preventing asthma
HECANB	cancer: whether received treatment in last 2 years
HECANBB	leukaemia or lymphoma: whether received treatment since
HECHMD	cholesterol: whether taking medication to lower choleste
HECHME	cholesterol: whether taking medication to prevent level
HEDACDI	whether confirms diabetes or high blood sugar diagnosis
HEDIBAS	chronic: asthma diagnosis newly reported
HEDIBBL	chronic: blood disorder diagnosis newly reported
HEDIBCA	chronic: cancer diagnosis newly reported
HEDIBLU	chronic: lung disease diagnosis newly reported
HEDIBPS	chronic: psychiatric condition newly reported
HEDIMAN	cvd: angina diagnosis newly reported (merged)
HEDIMBP	cvd: high blood pressure diagnosis newly reported (merge
HEDIMCH	cvd: high cholesterol diagnosis newly reported (merged)
HEDIMDI	cvd: diabetes or high blood sugar diagnosis newly report
HEDIMMI	cvd: heart attack diagnosis newly reported (merged)
HEDIMST	cvd: stroke diagnosis newly reported (merged)
HEHRTMD	angina, mi, diabetes, stroke: whether taking blood-thinn
HEINS	diabetes: whether currently injects insulin
HELEUK	type of blood disorder has
HELNG	whether taking medication for lung condition
HELNGB	whether taking medication to prevent return of lung cond
HEMDA	high blood pressure: whether taking medication
HEMDAB	high blood pressure: whether taking medication to preven
HEMDB	diabetes: whether taking medication
HEPSYA	depression: whether has taken medication in last 2 years
HEPSYB	depression: whether treatment started within two weeks o
HEPSYDE	psychiatric problem has: depression
Wave 5 Core:	
HEACD	Whether ever been told has diabetes by doctor
HEACEA	Diabetes: whether taking ACE inhibitor or A2 receptor bl
HEAMA	Whether taking medication for asthma
HEAMB	Whether taking medication for preventing asthma
HEBETB	Heart attack: whether taking beta-blocker in past week
HECANB	Cancer: whether received treatment in last 2 years
HECANBB	Leukaemia or lymphoma: whether received treatment since
HECHMD	Cholesterol: whether taking medication to lower choleste
HECHME	Cholesterol: whether taking medication to prevent level
HECHOL	High cholesterol: whether doctor has discussed action to
HECHOLA	High cholesterol: whether taken recommended action
HEDACAN	Whether confirms angina diagnosis
HEDACDI	Whether confirms diabetes or high blood sugar diagnosis
HEDACMI	Whether confirms heart attack diagnosis
HEDBDOS	Whether confirms osteoporosis diagnosis
HEDIBAS	Chronic: asthma diagnosis newly reported
HEDIBBL	Chronic: blood disorder diagnosis newly reported
HEDIBCA	Chronic: cancer diagnosis newly reported
HEDIBLU	Chronic: lung disease diagnosis newly reported
HEDIBOS	Chronic: osteoporosis diagnosis newly reported
HEDIMAN	CVD: angina diagnosis newly reported (merged)
HEDIMAN	CVD: angina diagnosis newly reported (merged)
HEDIMBP	CVD: high blood pressure diagnosis newly reported (merge
HEDIMCH	CVD: high cholesterol diagnosis newly reported (merged)

HEDIMDI	CVD: diabetes or high blood sugar diagnosis newly report
HEDIMMI	CVD: heart attack diagnosis newly reported (merged)
HEHRTA	Angina or mi: whether anticoagulation medication suggest
HEHRTB	Angina or mi: whether taking anticogulant medication
HEINS	Diabetes: whether currently injects insulin
HELEUK	Type of blood disorder has
HELNG	Whether taking medication for lung condition
HELNGB	Whether taking medication to prevent return of lung cond
HEMDA	High blood pressure: whether taking medication
HEMDAB	High blood pressure: whether taking medication to preven
HEMDB	Diabetes: whether taking medication
HEOSTEB	osteoporosis: whether doctor or nurse recommended medica
HEOSTEC	osteoporosis: whether taking medication
Wave 6 Core:	
ASKPX	whether respondent had an interview by proxy
HEACD	whether ever been told has diabetes by doctor
HEACEA	diabetes: whether taking ace inhibitor or a2 receptor bl
HEAMA	whether taking medication for asthma
HEAMB	whether taking medication for preventing asthma
HECANB	cancer: whether received treatment in last 2 years
HECANBB	leukaemia or lymphoma: whether received treatment since
HECHMD	cholesterol: whether taking medication to lower choleste
HECHME	cholesterol: whether taking medication to prevent level
HECHOL	high cholesterol: whether doctor has discussed action to
HECHOLA	high cholesterol: whether taken recommended action
HEDACAN	whether confirms angina diagnosis
HEDACCH	whether confirms high cholesterol diagnosis
HEDACDI	whether confirms diabetes or high blood sugar diagnosis
HEDACMI	whether confirms heart attack diagnosis
HEDIBAS	chronic: asthma diagnosis newly reported
HEDIBBL	chronic: blood disorder diagnosis newly reported
HEDIBCA	chronic: cancer diagnosis newly reported
HEDIBLU	chronic: lung disease diagnosis newly reported
HEDIMAN	cvd: angina diagnosis newly reported (merged)
HEDIMAN	cvd: angina diagnosis newly reported (merged)
HEDIMBP	cvd: high blood pressure diagnosis newly reported (merge
HEDIMCH	cvd: high cholesterol diagnosis newly reported (merged)
HEDIMDI	cvd: diabetes or high blood sugar diagnosis newly report
HEDIMMI	cvd: heart attack diagnosis newly reported (merged)
HEDIMMI	cvd: heart attack diagnosis newly reported (merged)
HEHRTA	angina or mi: whether anticoagulation medication suggest
HEINS	diabetes: whether currently injects insulin
HELEUK	type of blood disorder has
HELNG	whether taking medication for lung condition
HELNGB	whether taking medication to prevent return of lung cond
HEMDA	high blood pressure: whether taking medication
HEMDAB	high blood pressure: whether taking medication to preven
HEMDB	diabetes: whether taking medication
HEOSTEB	osteoporosis: whether doctor or nurse recommended medica
HEOSTEC	osteoporosis: whether taking medication
Wave 7 Core:	
HEACD	whether ever been told has diabetes by doctor
HEACEA	diabetes: whether taking ace inhibitor or a2 receptor bl
HEAMA	whether taking medication for asthma
HEAMB	whether taking medication for preventing asthma
HECANB	cancer: whether received treatment in last 2 years
HECANBB	leukaemia or lymphoma: whether received treatment since
HECHMD	cholesterol: whether taking medication to lower choleste
HECHME	cholesterol: whether taking medication to prevent level
HEDACDI	whether confirms diabetes or high blood sugar diagnosis
HEDBDOS	whether confirms osteoporosis diagnosis
HEDIBAS	chronic: asthma diagnosis newly reported
HEDIBBL	chronic: blood disorder diagnosis newly reported

HEDIBCA	chronic: cancer diagnosis newly reported
HEDIBLU	chronic: lung disease diagnosis newly reported
HEDIBOS	chronic: osteoporosis diagnosis newly reported
HEDIMAN	cvd: angina diagnosis newly reported (merged)
HEDIMBP	cvd: high blood pressure diagnosis newly reported (merge)
HEDIMCH	cvd: high cholesterol diagnosis newly reported (merged)
HEDIMDI	cvd: diabetes or high blood sugar diagnosis newly report
HEDIMMI	cvd: heart attack diagnosis newly reported (merged)
HEHRTA	angina or mi: whether anticoagulation medication suggest
HEHRTB	angina or mi: whether taking anticogulant medication
HEINS	diabetes: whether currently injects insulin
HELEUK	type of blood disorder has
HELNG	whether taking medication for lung condition
HELNGB	whether taking medication to prevent return of lung cond
HEMDA	high blood pressure: whether taking medication
HEMDAB	high blood pressure: whether taking medication to preven
HEMDB	diabetes: whether taking medication
HEOSTEB	osteoporosis: whether doctor or nurse recommended medica
HEOSTEC	osteoporosis: whether taking medication
Wave 8 Core:	
ASKPX	computed: whether respondent had an interview by proxy
HEACD	whether ever been told has diabetes by doctor
HEACEA	diabetes: whether taking ace inhibitor or a2 receptor bl
HEAMA	whether taking medication for asthma
HEAMB	whether taking medication for preventing asthma
HECANB	cancer: whether received treatment in last 2 years
HECANBB	leukaemia or lymphoma: whether received treatment since
HECHMD	cholesterol: whether taking medication to lower choleste
HECHME	cholesterol: whether taking medication to prevent level
HEDACDI	whether confirms diabetes or high blood sugar diagnosis
HEDBDOS	whether confirms osteoporosis diagnosis
HEDIBAS	chronic: asthma diagnosis newly reported
HEDIBCA	chronic: cancer diagnosis newly reported
HEDIBLU	chronic: lung disease diagnosis newly reported
HEDIBOS	chronic: osteoporosis diagnosis newly reported
HEDIBPS	chronic: psychiatric condition newly reported
HEDIMAN	cardiovascular disease: angina diagnosis newly reported
HEDIMBP	cardiovascular disease: high blood pressure diagnosis ne
HEDIMCH	cardiovascular disease: high cholesterol diagnosis newly
HEDIMDI	cardiovascular disease: diabetes or high blood sugar dia
HEDIMMI	cardiovascular disease: heart attack diagnosis newly rep
HEHRTA	angina or heart attack: whether anticoagulant medication
HEHRTB	angina or heart attack: whether taking anticoagulant med
HEINS	diabetes: whether currently injects insulin
HELNG	whether taking medication for lung condition
HELNGB	whether taking medication to prevent return of lung cond
HEMDA	high blood pressure: whether taking medication
HEMDAB	high blood pressure: whether taking medication to preven
HEMDB	diabetes: whether taking medication
HEOSTEB	osteoporosis: whether doctor or nurse recommended medica
HEOSTEC	osteoporosis: whether taking medication
HEPSYA	depression: action recommended by doctor (medication and
HEPSYB	depression: whether started treatment within 2 weeks of
HEPSYDE	psychiatric problem: depression
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy
HEACD	Whether ever been told has diabetes by doctor
HEACEA	Diabetes: whether taking ACE inhibitor or A2 receptor bl
HEAMA	Whether taking medication for asthma
HEAMB	Whether taking medication for preventing asthma
HECANB	Cancer: whether received treatment in last 2 years
HECANBB	Leukaemia or lymphoma: whether received treatment since
HECHMD	Cholesterol: whether taking medication to lower choleste

HECHME	Cholesterol: whether taking medication to prevent level
HEDACDI	Whether confirms diabetes or high blood sugar diagnosis
HEDBDOS	Whether confirms osteoporosis diagnosis
HEDIBAS	Chronic: asthma diagnosis newly reported
HEDIBCA	Chronic: cancer diagnosis newly reported
HEDIBLU	Chronic: lung disease diagnosis newly reported
HEDIBOS	Chronic: osteoporosis diagnosis newly reported
HEDIBPS	Chronic: psychiatric condition newly reported
HEDIMAN	Cardiovascular disease: angina diagnosis newly reported
HEDIMBP	Cardiovascular disease: high blood pressure diagnosis ne
HEDIMCH	Cardiovascular disease: high cholesterol diagnosis newly
HEDIMDI	Cardiovascular disease: diabetes or high blood sugar dia
HEDIMMI	Cardiovascular disease: heart attack diagnosis newly rep
HEHRTA	Angina or heart attack: whether anticoagulant medication
HEHRTB	Angina or heart attack: whether taking anticoagulant med
HEINS	Diabetes: whether currently injects insulin
HELNG	Whether taking medication for lung condition
HELNGB	Whether taking medication to prevent return of lung cond
HEMDA	High blood pressure: whether taking medication
HEMDAB	High blood pressure: whether taking medication to preven
HEMDB	Diabetes: whether taking medication
HEOSTEB	Osteoporosis: whether doctor or nurse recommended medica
HEOSTEC	Osteoporosis: whether taking medication
HEPSYDE	Psychiatric problem: depression

**Doctor Diagnosed Health Problems: Age When Diagnosed**

Wave	Variable	Label	Type
1	RADIAGANGIN	radiagangin: r age first diagnosed with angina	Categ
1	S1DIAGANGIN	s1diagangin:w1 s age first diagnosed with angina	Categ
2	S2DIAGANGIN	s2diagangin:w2 s age first diagnosed with angina	Categ
3	S3DIAGANGIN	s3diagangin:w3 s age first diagnosed with angina	Categ
4	S4DIAGANGIN	s4diagangin:w4 s age first diagnosed with angina	Categ
5	S5DIAGANGIN	s5diagangin:w5 s age first diagnosed with angina	Categ
6	S6DIAGANGIN	s6diagangin:w6 s age first diagnosed with angina	Categ
7	S7DIAGANGIN	s7diagangin:w7 s age first diagnosed with angina	Categ
8	S8DIAGANGIN	s8diagangin:w8 s age first diagnosed with angina	Categ
9	S9DIAGANGIN	s9diagangin:w9 s age first diagnosed with angina	Categ
1	RAFRHRTATT	rafrhrtatt: r age first diagnosed with heart attack	Categ
1	S1FRHRTATT	s1frhrtatt:w1 s age first diagnosed with heart attack	Categ
2	S2FRHRTATT	s2frhrtatt:w2 s age first diagnosed with heart attack	Categ
3	S3FRHRTATT	s3frhrtatt:w3 s age first diagnosed with heart attack	Categ
4	S4FRHRTATT	s4frhrtatt:w4 s age first diagnosed with heart attack	Categ
5	S5FRHRTATT	s5frhrtatt:w5 s age first diagnosed with heart attack	Categ
6	S6FRHRTATT	s6frhrtatt:w6 s age first diagnosed with heart attack	Categ
7	S7FRHRTATT	s7frhrtatt:w7 s age first diagnosed with heart attack	Categ
8	S8FRHRTATT	s8frhrtatt:w8 s age first diagnosed with heart attack	Categ
9	S9FRHRTATT	s9frhrtatt:w9 s age first diagnosed with heart attack	Categ
1	RADIAGCHF	radiagchf: r age first diagnosed with congestive heart failu	Categ
1	S1DIAGCHF	s1diagchf:w1 s age first diagnosed with congestive heart fai	Categ
2	S2DIAGCHF	s2diagchf:w2 s age first diagnosed with congestive heart fai	Categ
3	S3DIAGCHF	s3diagchf:w3 s age first diagnosed with congestive heart fai	Categ
4	S4DIAGCHF	s4diagchf:w4 s age first diagnosed with congestive heart fai	Categ
5	S5DIAGCHF	s5diagchf:w5 s age first diagnosed with congestive heart fai	Categ
6	S6DIAGCHF	s6diagchf:w6 s age first diagnosed with congestive heart fai	Categ
7	S7DIAGCHF	s7diagchf:w7 s age first diagnosed with congestive heart fai	Categ
8	S8DIAGCHF	s8diagchf:w8 s age first diagnosed with congestive heart fai	Categ
9	S9DIAGCHF	s9diagchf:w9 s age first diagnosed with congestive heart fai	Categ
1	RADIAGDIAB	radiagdiab: r age first diagnosed with diabetes	Categ
1	S1DIAGDIAB	s1diagdiab:w1 s age first diagnosed with diabetes	Categ
2	S2DIAGDIAB	s2diagdiab:w2 s age first diagnosed with diabetes	Categ
3	S3DIAGDIAB	s3diagdiab:w3 s age first diagnosed with diabetes	Categ
4	S4DIAGDIAB	s4diagdiab:w4 s age first diagnosed with diabetes	Categ
5	S5DIAGDIAB	s5diagdiab:w5 s age first diagnosed with diabetes	Categ
6	S6DIAGDIAB	s6diagdiab:w6 s age first diagnosed with diabetes	Categ
7	S7DIAGDIAB	s7diagdiab:w7 s age first diagnosed with diabetes	Categ
8	S8DIAGDIAB	s8diagdiab:w8 s age first diagnosed with diabetes	Categ
9	S9DIAGDIAB	s9diagdiab:w9 s age first diagnosed with diabetes	Categ
1	RADIAGSTROK	radiagstrok: r age first diagnosed with stroke	Categ
1	S1DIAGSTROK	s1diagstrok:w1 s age first diagnosed with stroke	Categ
2	S2DIAGSTROK	s2diagstrok:w2 s age first diagnosed with stroke	Categ
3	S3DIAGSTROK	s3diagstrok:w3 s age first diagnosed with stroke	Categ
4	S4DIAGSTROK	s4diagstrok:w4 s age first diagnosed with stroke	Categ
5	S5DIAGSTROK	s5diagstrok:w5 s age first diagnosed with stroke	Categ
6	S6DIAGSTROK	s6diagstrok:w6 s age first diagnosed with stroke	Categ
7	S7DIAGSTROK	s7diagstrok:w7 s age first diagnosed with stroke	Categ

8	S8DIAGSTROK	s8diagstrok:w8	s	age	first	diagnosed	with	stroke	Categ
9	S9DIAGSTROK	s9diagstrok:w9	s	age	first	diagnosed	with	stroke	Categ
1	RADIAGARTHR	radiagarthr:	r	age	first	diagnosed	with	arthritis	Categ
1	S1DIAGARTHR	s1diagarthr:w1	s	age	first	diagnosed	with	arthritis	Categ
2	S2DIAGARTHR	s2diagarthr:w2	s	age	first	diagnosed	with	arthritis	Categ
3	S3DIAGARTHR	s3diagarthr:w3	s	age	first	diagnosed	with	arthritis	Categ
4	S4DIAGARTHR	s4diagarthr:w4	s	age	first	diagnosed	with	arthritis	Categ
5	S5DIAGARTHR	s5diagarthr:w5	s	age	first	diagnosed	with	arthritis	Categ
6	S6DIAGARTHR	s6diagarthr:w6	s	age	first	diagnosed	with	arthritis	Categ
7	S7DIAGARTHR	s7diagarthr:w7	s	age	first	diagnosed	with	arthritis	Categ
8	S8DIAGARTHR	s8diagarthr:w8	s	age	first	diagnosed	with	arthritis	Categ
9	S9DIAGARTHR	s9diagarthr:w9	s	age	first	diagnosed	with	arthritis	Categ
1	RADIAGCANCR	radiagcancr:	r	age	first	diagnosed	with	cancer	Categ
1	S1DIAGCANCR	s1diagcancr:w1	s	age	first	diagnosed	with	cancer	Categ
2	S2DIAGCANCR	s2diagcancr:w2	s	age	first	diagnosed	with	cancer	Categ
3	S3DIAGCANCR	s3diagcancr:w3	s	age	first	diagnosed	with	cancer	Categ
4	S4DIAGCANCR	s4diagcancr:w4	s	age	first	diagnosed	with	cancer	Categ
5	S5DIAGCANCR	s5diagcancr:w5	s	age	first	diagnosed	with	cancer	Categ
6	S6DIAGCANCR	s6diagcancr:w6	s	age	first	diagnosed	with	cancer	Categ
7	S7DIAGCANCR	s7diagcancr:w7	s	age	first	diagnosed	with	cancer	Categ
8	S8DIAGCANCR	s8diagcancr:w8	s	age	first	diagnosed	with	cancer	Categ
9	S9DIAGCANCR	s9diagcancr:w9	s	age	first	diagnosed	with	cancer	Categ
1	RADIAGPARKIN	radiagparkin:	r	age	first	diagnosed	with	Parkinson's	Categ
1	S1DIAGPARKIN	s1diagparkin:w1	s	age	first	diagnosed	with	Parkinson's	Categ
2	S2DIAGPARKIN	s2diagparkin:w2	s	age	first	diagnosed	with	Parkinson's	Categ
3	S3DIAGPARKIN	s3diagparkin:w3	s	age	first	diagnosed	with	Parkinson's	Categ
4	S4DIAGPARKIN	s4diagparkin:w4	s	age	first	diagnosed	with	Parkinson's	Categ
5	S5DIAGPARKIN	s5diagparkin:w5	s	age	first	diagnosed	with	Parkinson's	Categ
6	S6DIAGPARKIN	s6diagparkin:w6	s	age	first	diagnosed	with	Parkinson's	Categ
7	S7DIAGPARKIN	s7diagparkin:w7	s	age	first	diagnosed	with	Parkinson's	Categ
8	S8DIAGPARKIN	s8diagparkin:w8	s	age	first	diagnosed	with	Parkinson's	Categ
9	S9DIAGPARKIN	s9diagparkin:w9	s	age	first	diagnosed	with	Parkinson's	Categ
1	RADIAGPSYCH	radiagpsych:	r	age	first	diagnosed	with	psychiatric problems	Categ
1	S1DIAGPSYCH	s1diagpsych:w1	s	age	first	diagnosed	with	psychiatric proble	Categ
2	S2DIAGPSYCH	s2diagpsych:w2	s	age	first	diagnosed	with	psychiatric proble	Categ
3	S3DIAGPSYCH	s3diagpsych:w3	s	age	first	diagnosed	with	psychiatric proble	Categ
4	S4DIAGPSYCH	s4diagpsych:w4	s	age	first	diagnosed	with	psychiatric proble	Categ
5	S5DIAGPSYCH	s5diagpsych:w5	s	age	first	diagnosed	with	psychiatric proble	Categ
6	S6DIAGPSYCH	s6diagpsych:w6	s	age	first	diagnosed	with	psychiatric proble	Categ
7	S7DIAGPSYCH	s7diagpsych:w7	s	age	first	diagnosed	with	psychiatric proble	Categ
8	S8DIAGPSYCH	s8diagpsych:w8	s	age	first	diagnosed	with	psychiatric proble	Categ
9	S9DIAGPSYCH	s9diagpsych:w9	s	age	first	diagnosed	with	psychiatric proble	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADIAGANGIN	1606	61.01	11.36	14.00	90.00
S1DIAGANGIN	689	58.82	10.53	14.00	89.00
S2DIAGANGIN	557	59.36	10.78	16.00	89.00
S3DIAGANGIN	462	59.10	10.73	25.00	88.00
S4DIAGANGIN	475	58.68	10.35	25.00	82.00
S5DIAGANGIN	432	58.46	9.96	25.00	81.00
S6DIAGANGIN	404	58.30	10.17	28.00	86.00



S7DIAGANGIN	356	58.73	10.38	28.00	86.00
S8DIAGANGIN	278	58.59	10.23	28.00	86.00
S9DIAGANGIN	216	57.72	9.87	30.00	86.00
RAFRHRTATT	1177	61.66	12.30	16.00	90.00
S1FRHRTATT	441	58.40	10.95	16.00	87.00
S2FRHRTATT	346	58.58	10.81	16.00	87.00
S3FRHRTATT	312	59.24	10.93	16.00	90.00
S4FRHRTATT	300	59.62	10.91	26.00	87.00
S5FRHRTATT	299	59.31	10.83	26.00	85.00
S6FRHRTATT	296	59.64	11.04	26.00	88.00
S7FRHRTATT	282	59.89	11.26	26.00	87.00
S8FRHRTATT	228	59.22	10.55	26.00	85.00
S9FRHRTATT	191	57.79	10.52	28.00	85.00
RADIAGCHF	185	66.04	13.09	12.00	90.00
S1DIAGCHF	38	63.63	9.23	42.00	77.00
S2DIAGCHF	30	64.17	9.87	39.00	81.00
S3DIAGCHF	28	66.39	10.28	40.00	87.00
S4DIAGCHF	31	60.26	12.61	30.00	87.00
S5DIAGCHF	32	60.81	12.05	30.00	83.00
S6DIAGCHF	35	62.40	13.04	30.00	84.00
S7DIAGCHF	43	63.12	12.07	30.00	85.00
S8DIAGCHF	35	62.74	10.61	30.00	78.00
S9DIAGCHF	26	60.62	10.87	32.00	78.00
RADIAGDIAB	2185	59.63	13.21	1.00	90.00
S1DIAGDIAB	564	57.02	13.53	1.00	86.00
S2DIAGDIAB	494	57.96	12.88	5.00	85.00
S3DIAGDIAB	527	58.06	12.08	14.00	87.00
S4DIAGDIAB	631	57.41	11.98	3.00	87.00
S5DIAGDIAB	682	58.54	11.11	14.00	89.00
S6DIAGDIAB	739	57.53	11.49	12.00	85.00
S7DIAGDIAB	695	57.75	11.42	12.00	89.00
S8DIAGDIAB	575	57.23	11.08	12.00	89.00
S9DIAGDIAB	519	55.34	11.58	14.00	83.00
RADIAGSTROK	1091	67.89	12.26	16.00	90.00
S1DIAGSTROK	302	63.78	11.59	16.00	90.00
S2DIAGSTROK	259	64.76	11.05	16.00	89.00
S3DIAGSTROK	222	64.02	11.19	16.00	89.00
S4DIAGSTROK	262	64.58	10.77	30.00	89.00
S5DIAGSTROK	257	65.10	10.93	25.00	89.00
S6DIAGSTROK	257	63.75	11.39	16.00	89.00
S7DIAGSTROK	238	64.24	11.69	16.00	89.00
S8DIAGSTROK	185	63.64	10.59	25.00	89.00
S9DIAGSTROK	160	60.87	12.13	21.00	89.00
RADIAGARTHR	6793	55.32	14.14	0.00	90.00
S1DIAGARTHR	2259	52.43	13.34	1.00	88.00
S2DIAGARTHR	1988	53.78	13.05	1.00	90.00
S3DIAGARTHR	1968	53.24	13.08	1.00	87.00
S4DIAGARTHR	2292	52.94	13.04	0.00	87.00
S5DIAGARTHR	2312	53.41	12.84	0.00	90.00
S6DIAGARTHR	2400	53.45	12.65	0.00	88.00
S7DIAGARTHR	2171	53.62	12.58	0.00	88.00
S8DIAGARTHR	1846	53.16	12.30	0.00	88.00
S9DIAGARTHR	1640	52.05	12.40	0.00	88.00

RADIAGCANCER	1905	61.49	12.99	9.00	90.00
S1DIAGCANCER	452	57.73	12.26	15.00	87.00
S2DIAGCANCER	433	59.54	11.75	21.00	90.00
S3DIAGCANCER	437	59.61	12.06	21.00	90.00
S4DIAGCANCER	570	59.47	11.56	20.00	88.00
S5DIAGCANCER	634	60.15	11.48	20.00	89.00
S6DIAGCANCER	713	59.82	11.84	16.00	89.00
S7DIAGCANCER	630	58.84	11.58	16.00	88.00
S8DIAGCANCER	523	58.61	11.39	16.00	88.00
S9DIAGCANCER	452	56.64	11.59	16.00	87.00
RADIAGPARKIN	170	68.47	10.61	36.00	88.00
S1DIAGPARKIN	36	63.61	10.70	43.00	84.00
S2DIAGPARKIN	33	64.06	11.63	43.00	87.00
S3DIAGPARKIN	35	64.71	10.71	43.00	88.00
S4DIAGPARKIN	45	66.16	10.85	36.00	88.00
S5DIAGPARKIN	44	66.39	10.54	43.00	88.00
S6DIAGPARKIN	48	66.23	8.53	43.00	87.00
S7DIAGPARKIN	50	66.64	9.38	36.00	87.00
S8DIAGPARKIN	34	65.29	9.73	36.00	87.00
S9DIAGPARKIN	24	61.54	10.62	36.00	77.00
RADIAGPSYCH	1921	45.45	16.83	0.00	90.00
S1DIAGPSYCH	528	40.40	15.30	0.00	80.00
S2DIAGPSYCH	522	44.04	15.42	5.00	82.00
S3DIAGPSYCH	564	42.82	15.14	5.00	82.00
S4DIAGPSYCH	658	43.14	15.86	0.00	87.00
S5DIAGPSYCH	710	44.18	15.85	0.00	83.00
S6DIAGPSYCH	760	44.59	15.64	0.00	83.00
S7DIAGPSYCH	663	44.93	15.53	0.00	82.00
S8DIAGPSYCH	559	44.50	15.07	0.00	78.00
S9DIAGPSYCH	523	43.25	14.17	6.00	77.00

## How Constructed

These variables indicate the age at which the respondent was first diagnosed with a specific condition. Respondents were asked to provide the age they were first diagnosed with a specific condition. Starting in Wave 2, respondents were also asked the year in which they were most recently diagnosed with the conditions, and these responses are converted to their age at diagnosis. In Waves 8 and 9, respondents were asked the year in which they were most recently diagnosed, but the data was not included in the dataset, which may result in a higher number of missing values. These variables always take the first value reported. Respondents who have never been diagnosed with the specified condition are not asked this question and are assigned a special missing code .x. If the respondent disputed having a condition that was reported in a previous wave, then these variables are assigned special missing code .x and the variables specifying if the respondent ever had the condition are adjusted to 0. Special missing .i is assigned if the age diagnosed with a specific condition is older than the respondent's age at the time of the interview or if the age diagnosed was reported as 0. Don't know, refused, or other missing responses of these variables are assigned special missing codes .d, .r, and .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RADIAGANGIN indicates the age at which the respondent was first diagnosed with angina. In Wave 1, if the respondent reported the age at which they were diagnosed with angina at HSE 1998, then the respondent was not asked the question again, and the age reported at HSE 1998 was used.

RAFRHRTATT indicates the age at which the respondent was first diagnosed with having a heart attack (including myocardial infarction or coronary thrombosis). In Wave 1, if the respondent reported the age at which they were diagnosed with having a heart attack at HSE 1998, then the respondent was not asked the question again, and age reported at HSE 1998 was used.

RADIAGCHF indicates the age at which the respondent was first diagnosed with congestive heart failure.

RADIAGDIAB indicates the age at which the respondent was first diagnosed with diabetes. In Wave 1, if the respondent reported the age at which they were diagnosed with diabetes at HSE 1998, then the respondent was not asked the question again, and age reported at HSE 1998 was used.

RADIAGSTROK indicates the age at which the respondent was first diagnosed with having a stroke. In Wave 1, if the respondent reported the age at which they were diagnosed with having a stroke at HSE 1998, then the respondent was not asked the question again, and age reported at HSE 1998 was used.

RADIAGARTHR indicates the age at which the respondent was first diagnosed with arthritis.

RADIAGCANCER indicates the age at which the respondent was first diagnosed with cancer or a malignant tumor. Starting in Wave 3, respondents are asked about the age at which they were first diagnosed with leukemia or lymphoma separately from cancer or a malignant tumor. However, in Waves 8 and 9, the data for leukemia or lymphoma were not included dataset. Therefore, RADIAGCANCER includes the age at which the respondent was first diagnosed with cancer or a malignant tumor or the age the respondent was first diagnosed with leukemia or lymphoma in Waves 3 through 7. If the respondent reported having both cancer or malignant tumor, and leukemia or lymphoma, then the minimum age of diagnosis was used.

RADIAGPARKIN indicates the age at which the respondent was first diagnosed with Parkinson's disease.

RADIAGPSYCH indicates the age at which the respondent was first diagnosed with having emotional, nervous or psychiatric problems.

SwDIAGANGIN, SwFRHRTATT, SwDIAGCHF, SwDIAGDIAB, SwDIAGSTROK, SwDIAGARTHR, SwDIAGCANCER, SwDIAGPARKIN, and SwDIAGPSYCH indicate the age at which the respondent's current wave's spouse was first diagnosed with a specific condition, and are taken from corresponding respondent variables. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please note that extreme values for the age of the respondent's diagnosis of these doctor diagnosed conditions have been left to the discretion of the user.

## Cross Wave Differences in ELSA

In Wave 1, if the respondent reported the age at which they were diagnosed with angina, heart attack, diabetes, or stroke at HSE 1998, then the respondent was not asked this question again, and age reported at HSE 1998 was used.

In Wave 1, respondents are only able to report the age of their diagnosis. Starting in Wave 2, respondents can also report the year in which they were most recently diagnosed with the conditions, and these responses are converted to their age at diagnosis.

In Wave 8 and 9, respondents were asked the year in which they were most recently diagnosed, but the data was not included in the dataset, which may result in a higher number of missing values.

Starting in Wave 3, respondents are asked about the age at which they were first diagnosed with leukemia or lymphoma separately from cancer or a malignant tumor. However, in Waves 8 and 9, the data for leukemia or lymphoma were not included dataset. Therefore, RADIAGCANCER includes the age at which the respondent was first diagnosed with cancer or a malignant tumor or the age the respondent was first diagnosed with leukemia or lymphoma in Waves 3 through 7. If the respondent reported having both cancer or malignant tumor, and leukemia or lymphoma, then the minimum age of diagnosis was used.

## Differences with the RAND HRS/Harmonized HRS

In the ELSA, respondents are able to dispute previous reported diagnoses. In these cases, the variable indicating their age first diagnosed for that condition will be reset to special missing .x. This does not occur for the variables in the Harmonized HRS.

**ELSA Variables Used**

## Wave 1 Core:

AAGEANGI	hse feed forward: hse age of diagnosis of angina
AAGEDI	hse feed forward: hse age of diagnosis of diabetes
AAGEHART	hse feed forward: hse age of diagnosis of heart attack
AAGESTRO	hse feed forward: hse age of diagnosis of stroke
HEAGA	approximately how old were you when first told by a doct
HEAGB	approximately how old were you when first told by a doct
HEAGC	approximately how old were you when first told by a doct
HEAGD	approximately how old were you when first told by a doct
HEAGE	approximately how old were you when first told by a doct
HEAGF	approximately how old were you when first told by a doct
HEAGG	approximately how old were you when first told by a doct
HEAGH	approximately how old were you when first told by a doct
HEDIB01	has a doctor ever told you that you [have/have had] any
HEDIB02	has a doctor ever told you that you [have/have had] any
HEDIB03	has a doctor ever told you that you [have/have had] any
HEDIB04	has a doctor ever told you that you [have/have had] any
HEDIB05	has a doctor ever told you that you [have/have had] any
HEDIB06	has a doctor ever told you that you [have/have had] any
HEDIB07	has a doctor ever told you that you [have/have had] any
HEDIB08	has a doctor ever told you that you [have/have had] any
HEDIB09	has a doctor ever told you that you [have/have had] any
HEDIB10	has a doctor ever told you that you [have/have had] any
HEDIM01	merged - has a doctor ever told you that you [have/have
HEDIM02	merged - has a doctor ever told you that you [have/have
HEDIM03	merged - has a doctor ever told you that you [have/have
HEDIM04	merged - has a doctor ever told you that you [have/have
HEDIM05	merged - has a doctor ever told you that you [have/have
HEDIM06	merged - has a doctor ever told you that you [have/have
HEDIM07	merged - has a doctor ever told you that you [have/have
HEPRK	approximately how old were you when first told by a doct

## Wave 2 Core:

HEAGA	Age first told had angina
HEAGARY	Year told had angina in last 2 years
HEAGB	Age first told had heart attack
HEAGBRY	Year told had heart attack in last 2 years
HEAGC	Age first told had congestive heart failure
HEAGCRY	Year told had congestive heart failure in last 2 years
HEAGD	Age first told had diabetes or high blood sugar
HEAGDRY	Year told had diabetes or high blood sugar in last 2 yea
HEAGE	Age first told had stroke
HEAGERY	Year told had stroke in last 2 years
HEAGF	Age first told had arthritis
HEAGFRY	Year told had arthritis in last 2 years
HEAGG	Age first told had cancer
HEAGGRY	Year told had cancer in last 2 years
HEAGH	Age told had psychiatric problems
HEAGHRY	Year told had psychiatric problems in last 2 years
HEDIAC2	Whether confirms angina recorded in wave 1
HEDIAC3	Whether confirms heart attack recorded in wave 1
HEDIAC4	Whether confirms congestive heart failure recorded in wa
HEDIAC7	Whether confirms diabetes recorded in wave 1
HEDIAC8	Whether confirms stroke recorded in wave 1
HEDIAD3	Whether confirms arthritis recorded in wave 1
HEDIAD5	Whether confirms cancer recorded in wave 1
HEDIAD6	Whether confirms Parkinsons disease recorded in wave 1
HEDIAD7	Whether confirms psychiatric problems recorded in wave 1
HEDIAD8	Whether confirms Alzheimers disease recorded in wave 1
HEDIAD9	Whether confirms dementia recorded in wave 1
HEDIB01	Diagnosed chronic condition newly reported at W2 (1st me
HEDIB02	Diagnosed chronic condition newly reported at W2 (2nd me

HEDIB03	Diagnosed chronic condition newly reported at W2 (3rd me
HEDIB04	Diagnosed chronic condition newly reported at W2 (4th me
HEDIM01	Diagnosed cardiovascular condit. newly reported at W2 (1
HEDIM02	Diagnosed cardiovascular condit. newly reported at W2 (2
HEDIM03	Diagnosed cardiovascular condit. newly reported at W2 (3
HEDIM04	Diagnosed cardiovascular condit. newly reported at W2 (4
HEDIM05	Diagnosed cardiovascular condit. newly reported at W2 (5
HEDIM06	Diagnosed cardiovascular condit. newly reported at W2 (6
HEDIM07	Diagnosed cardiovascular condit. newly reported at W2 (7
HEDIM08	Diagnosed cardiovascular condit. newly reported at W2 (8
HEPRK	Age told had Parkinsons Disease
HEPRKRY	Year told had Parkinsons Disease in last 2 years
INDOBYR	Definitive year of birth collapsed at 90 plus. Priority:
Wave 3 Core:	
HEAGA	age first told had angina
HEAGARY	year told had angina since last interview
HEAGB	age first told had heart attack
HEAGBRY	year told had heart attack in last 2 years
HEAGC	age first told had congestive heart failure
HEAGCRY	year told had congestive heart failure since last interv
HEAGD	age first told had diabetes or high blood sugar
HEAGDRY	year told had diabetes or high blood sugar since last in
HEAGE	age first told had stroke
HEAGERY	year told had stroke since last interview
HEAGF	age first told had arthritis
HEAGFRY	year told had arthritis since last interview
HEAGG	age first told had cancer
HEAGGRY	year told had cancer since last interview
HEAGH	age told had psychiatric problems
HEAGHRY	year told had psychiatric problems since last interview
HEAGK	age told had leukaemia, lymphoma
HEAGKRY	year told had leukaemia, lymphoma since last interview
HEDACAN	whether confirms angina diagnosis
HEDACDI	whether confirms diabetes or high blood sugar diagnosis
HEDACHF	whether confirms congestive heart failure diagnosis
HEDACMI	whether confirms heart attack diagnosis
HEDACST	whether confirms stroke diagnosis
HEDBDAR	whether confirms arthritis diagnosis
HEDBDCA	whether confirms cancer diagnosis
HEDBDPD	whether confirms parkinsons disease diagnosis
HEDBDPS	whether confirms psychiatric condition diagnosis
HEDIBAR	(d) ever reported arthritis (diagnosed)
HEDIBBL	chronic: blood disorder diagnosis newly reported
HEDIBCA	(d) ever reported cancer (diagnosed)
HEDIBPD	(d) ever reported parkinson's disease (diagnosed)
HEDIBPS	(d) ever reported psychiatric disease (diagnosed)
HEDIMAN	(d) ever reported angina (diagnosed)
HEDIMDI	(d) ever reported diabetes or high blood sugar (diagnose
HEDIMHF	(d) ever reported congestive heart failure (diagnosed)
HEDIMMI	(d) ever reported myocardial infarction (diagnosed)
HEDIMST	(d) ever reported stroke
HELEUK	type of blood disorder has
HEPRK	age told had parkinsons disease
HEPRKRY	year told had parkinsons disease since last interview
INDOBYR	definitive year of birth collapsed at 90 plus. priority:
Wave 4 Core:	
HEAGA	age first told had angina
HEAGARY	year told had angina since last interview
HEAGB	age first told had heart attack
HEAGBRY	year told had heart attack in last 2 years
HEAGC	age first told had congestive heart failure
HEAGCRY	year told had congestive heart failure since last interv
HEAGD	age first told had diabetes or high blood sugar

HEAGDRY year told had diabetes or high blood sugar since last in  
 HEAGE age first told had stroke  
 HEAGERY year told had stroke since last interview  
 HEAGF age first told had arthritis  
 HEAGFRY year told had arthritis since last interview  
 HEAGG age first told had cancer  
 HEAGGRY year told had cancer since last interview  
 HEAGH age told had psychiatric problems  
 HEAGHRY year told had psychiatric problems since last interview  
 HEAGK age told had leukaemia, lymphoma  
 HEAGKRY year told had leukaemia, lymphoma since last interview  
 HEDACAN whether confirms angina diagnosis  
 HEDACDI whether confirms diabetes or high blood sugar diagnosis  
 HEDACHF whether confirms congestive heart failure diagnosis  
 HEDACMI whether confirms heart attack diagnosis  
 HEDACST whether confirms stroke diagnosis  
 HEDBDAR whether confirms arthritis diagnosis  
 HEDBDCA whether confirms cancer diagnosis  
 HEDBDPD whether confirms parkinsons disease diagnosis  
 HEDBDPS whether confirms psychiatric condition diagnosis  
 HEDIBAR chronic: arthritis diagnosis newly reported  
 HEDIBBL chronic: blood disorder diagnosis newly reported  
 HEDIBCA chronic: cancer diagnosis newly reported  
 HEDIBPD chronic: parkinsons disease diagnosis newly reported  
 HEDIBPS chronic: psychiatric condition newly reported  
 HEDIMAN cvd: angina diagnosis newly reported (merged)  
 HEDIMDI cvd: diabetes or high blood sugar diagnosis newly report  
 HEDIMHF cvd: congestive heart failure diagnosis newly reported (  
 HEDIMMI cvd: heart attack diagnosis newly reported (merged)  
 HEDIMST cvd: stroke diagnosis newly reported (merged)  
 HELEUK type of blood disorder has  
 HEPRK age told had parkinsons disease  
 HEPRKRY year told had parkinsons disease since last interview  
 INDOBYR definitive year of birth collapsed at 90 plus. priority:

## Wave 5 Core:

HEAGA Age first told had angina  
 HEAGARY Year told had angina since last interview  
 HEAGB Age first told had heart attack  
 HEAGBRY Year told had heart attack since last interview  
 HEAGC Age first told had congestive heart failure  
 HEAGCRY Year told had congestive heart failure since last interv  
 HEAGD Age first told had diabetes or high blood sugar  
 HEAGDRY Year told had diabetes or high blood sugar since last in  
 HEAGE Age first told had stroke  
 HEAGERY Year told had stroke since last interview  
 HEAGF Age first told had arthritis  
 HEAGFRY Year told had arthritis since last interview  
 HEAGG Age first told had cancer  
 HEAGGRY Year told had cancer since last interview  
 HEAGH Age told had psychiatric problems  
 HEAGHRY Year told had psychiatric problems since last interview  
 HEAGK Age told had leukaemia, lymphoma  
 HEAGKRY Year told had leukaemia, lymphoma since last interview  
 HEDACAN Whether confirms angina diagnosis  
 HEDACDI Whether confirms diabetes or high blood sugar diagnosis  
 HEDACHF Whether confirms congestive heart failure diagnosis  
 HEDACMI Whether confirms heart attack diagnosis  
 HEDACST Whether confirms stroke diagnosis  
 HEDBDAR Whether confirms arthritis diagnosis  
 HEDDBL Whether confirms blood disorder diagnosis  
 HEDBDCA Whether confirms cancer diagnosis  
 HEDBDPD Whether confirms Parkinsons Disease diagnosis  
 HEDBDPS Whether confirms psychiatric condition diagnosis

HEDIBAR Chronic: arthritis diagnosis newly reported  
 HEDIBBL Chronic: blood disorder diagnosis newly reported  
 HEDIBCA Chronic: cancer diagnosis newly reported  
 HEDIBPD Chronic: Parkinsons Disease diagnosis newly reported  
 HEDIBPS Chronic: psychiatric condition newly reported  
 HEDIMAN CVD: angina diagnosis newly reported (merged)  
 HEDIMDI CVD: diabetes or high blood sugar diagnosis newly report  
 HEDIMHF CVD: congestive heart failure diagnosis newly reported (  
 HEDIMMI CVD: heart attack diagnosis newly reported (merged)  
 HEDIMST CVD: stroke diagnosis newly reported (merged)  
 HELEUK Type of blood disorder has  
 HEPRK Age told had Parkinsons Disease  
 HEPRKRY Year told had Parkinsons Disease since last interview  
 INDOBYR Definitive year of birth collapsed at 90 plus. Priority:

## Wave 6 Core:

HEAGA age first told had angina  
 HEAGARY year told had angina since last interview  
 HEAGB age first told had heart attack  
 HEAGBRY year told had heart attack since last interview  
 HEAGC age first told had congestive heart failure  
 HEAGCRY year told had congestive heart failure since last interv  
 HEAGD age first told had diabetes or high blood sugar  
 HEAGDRY year told had diabetes or high blood sugar since last in  
 HEAGE age first told had stroke  
 HEAGERY year told had stroke since last interview  
 HEAGF age first told had arthritis  
 HEAGFRY year told had arthritis since last interview  
 HEAGG age first told had cancer  
 HEAGGRY year told had cancer since last interview  
 HEAGH age told had psychiatric problems  
 HEAGHRY year told had psychiatric problems since last interview  
 HEAGK age told had leukaemia, lymphoma  
 HEAGKRY year told had leukaemia, lymphoma since last interview  
 HEDACAN whether confirms angina diagnosis  
 HEDACDI whether confirms diabetes or high blood sugar diagnosis  
 HEDACHF whether confirms congestive heart failure diagnosis  
 HEDACMI whether confirms heart attack diagnosis  
 HEDACST whether confirms stroke diagnosis  
 HEDBDAR whether confirms arthritis diagnosis  
 HEDBDBL chronic: whether confirms diagnosed blood disorder  
 HEDBDCA whether confirms cancer diagnosis  
 HEDBDPD whether confirms parkinsons disease diagnosis  
 HEDBDPS whether confirms psychiatric condition diagnosis  
 HEDIBAR chronic: arthritis diagnosis newly reported  
 HEDIBBL chronic: blood disorder diagnosis newly reported  
 HEDIBCA chronic: cancer diagnosis newly reported  
 HEDIBPD chronic: parkinsons disease diagnosis newly reported  
 HEDIBPS chronic: psychiatric condition newly reported  
 HEDIMAN cvd: angina diagnosis newly reported (merged)  
 HEDIMDI cvd: diabetes or high blood sugar diagnosis newly report  
 HEDIMHF cvd: congestive heart failure diagnosis newly reported (  
 HEDIMMI cvd: heart attack diagnosis newly reported (merged)  
 HEDIMST cvd: stroke diagnosis newly reported (merged)  
 HELEUK type of blood disorder has  
 HEPRK age told had parkinsons disease  
 HEPRKRY year told had parkinsons disease since last interview  
 INDOBYR definitive year of birth collapsed at 90 plus

## Wave 7 Core:

HEAGA age first told had angina  
 HEAGARY year told had angina since last interview  
 HEAGB age first told had heart attack  
 HEAGBRY year told had heart attack since last interview  
 HEAGC age first told had congestive heart failure

HEAGCRY year told had congestive heart failure since last interv  
 HEAGD age first told had diabetes or high blood sugar  
 HEAGDRY year told had diabetes or high blood sugar since last in  
 HEAGE age first told had stroke  
 HEAGERY year told had stroke since last interview  
 HEAGF age first told had arthritis  
 HEAGFRY year told had arthritis since last interview  
 HEAGG age first told had cancer  
 HEAGGRY year told had cancer since last interview  
 HEAGH age told had psychiatric problems  
 HEAGHRY year told had psychiatric problems since last interview  
 HEAGK age told had leukaemia, lymphoma  
 HEAGKRY year told had leukaemia, lymphoma since last interview  
 HEDACAN whether confirms angina diagnosis  
 HEDACDI whether confirms diabetes or high blood sugar diagnosis  
 HEDACHF whether confirms congestive heart failure diagnosis  
 HEDACMI whether confirms heart attack diagnosis  
 HEDACST whether confirms stroke diagnosis  
 HEDBDAR whether confirms arthritis diagnosis  
 HEDBDBL chronic: whether confirms diagnosed blood disorder  
 HEDBDCA whether confirms cancer diagnosis  
 HEDBDPD whether confirms parkinsons disease diagnosis  
 HEDBDPS whether confirms psychiatric condition diagnosis  
 HEDIBAR chronic: arthritis diagnosis newly reported  
 HEDIBBL chronic: blood disorder diagnosis newly reported  
 HEDIBCA chronic: cancer diagnosis newly reported  
 HEDIBPD chronic: parkinsons disease diagnosis newly reported  
 HEDIBPS chronic: psychiatric condition newly reported  
 HEDIMAN cvd: angina diagnosis newly reported (merged)  
 HEDIMDI cvd: diabetes or high blood sugar diagnosis newly report  
 HEDIMHF cvd: congestive heart failure diagnosis newly reported (  
 HEDIMMI cvd: heart attack diagnosis newly reported (merged)  
 HEDIMST cvd: stroke diagnosis newly reported (merged)  
 HELEUK type of blood disorder has  
 HEPRK age told had parkinsons disease  
 HEPRKRY year told had parkinsons disease since last interview  
 INDOBYR definitive year of birth collapsed at 90 plus

## Wave 8 Core:

HEAGA age first told had angina  
 HEAGB age first told had heart attack  
 HEAGC age first told had congestive heart failure  
 HEAGD age first told had diabetes or high blood sugar  
 HEAGE age first told had stroke  
 HEAGF age first told had arthritis  
 HEAGGS (d) age first told had cancer - suppressed outliers  
 HEAGHS (d) age told had psychiatric problems - suppressed outli  
 HEDACAN whether confirms angina diagnosis  
 HEDACDI whether confirms diabetes or high blood sugar diagnosis  
 HEDACHF whether confirms congestive heart failure diagnosis  
 HEDACMI whether confirms heart attack diagnosis  
 HEDACST whether confirms stroke diagnosis  
 HEDBDAR whether confirms arthritis diagnosis  
 HEDBDCA whether confirms cancer diagnosis  
 HEDBDPD whether confirms parkinson's disease diagnosis  
 HEDBDPS whether confirms psychiatric condition diagnosis  
 HEDIBAR chronic: arthritis diagnosis newly reported  
 HEDIBCA chronic: cancer diagnosis newly reported  
 HEDIBPD chronic: parkinson's disease diagnosis newly reported  
 HEDIBPS chronic: psychiatric condition newly reported  
 HEDIMAN cardiovascular disease: angina diagnosis newly reported  
 HEDIMDI cardiovascular disease: diabetes or high blood sugar dia  
 HEDIMHF cardiovascular disease: congestive heart failure diagnos  
 HEDIMMI cardiovascular disease: heart attack diagnosis newly rep



HEDIMST	cardiovascular disease: stroke diagnosis newly reported
HEPRK	age told had parkinson's disease
Wave 9 Core:	
HEAGA	Age first told had angina
HEAGB	Age first told had heart attack
HEAGC	Age first told had congestive heart failure
HEAGD	Age first told had diabetes or high blood sugar
HEAGE	Age first told had stroke
HEAGF	Age first told had arthritis
HEAGGS	(D) Age first told had cancer - suppressed outliers
HEAGHS	(D) Age told had psychiatric problems - suppressed outli
HEDACDI	Whether confirms diabetes or high blood sugar diagnosis
HEDACHF	Whether confirms congestive heart failure diagnosis
HEDACST	Whether confirms stroke diagnosis
HEDBDAR	Whether confirms arthritis diagnosis
HEDBDCA	Whether confirms cancer diagnosis
HEDBDPD	Whether confirms Parkinson's disease diagnosis
HEDBDPS	Whether confirms psychiatric condition diagnosis
HEDIBAR	Chronic: arthritis diagnosis newly reported
HEDIBCA	Chronic: cancer diagnosis newly reported
HEDIBPD	Chronic: Parkinson's disease diagnosis newly reported
HEDIBPS	Chronic: psychiatric condition newly reported
HEDIMAN	Cardiovascular disease: angina diagnosis newly reported
HEDIMDI	Cardiovascular disease: diabetes or high blood sugar dia
HEDIMHF	Cardiovascular disease: congestive heart failure diagnos
HEDIMMI	Cardiovascular disease: heart attack diagnosis newly rep
HEDIMST	Cardiovascular disease: stroke diagnosis newly reported
HEPRK	Age told had Parkinson's disease

<b>Memory-Related Problems: Ever Have Condition</b>
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Wave	Variable	Label	Type
1	R1ALZHE	r1alzhe:w1 r ever had alzheimer's	Categ
2	R2ALZHE	r2alzhe:w2 r ever had alzheimer's	Categ
3	R3ALZHE	r3alzhe:w3 r ever had alzheimer's	Categ
4	R4ALZHE	r4alzhe:w4 r ever had alzheimer's	Categ
5	R5ALZHE	r5alzhe:w5 r ever had alzheimer's	Categ
6	R6ALZHE	r6alzhe:w6 r ever had alzheimer's	Categ
7	R7ALZHE	r7alzhe:w7 r ever had alzheimer's	Categ
8	R8ALZHE	r8alzhe:w8 r ever had alzheimer's	Categ
9	R9ALZHE	r9alzhe:w9 r ever had alzheimer's	Categ
1	S1ALZHE	s1alzhe:w1 s ever had alzheimer's	Categ
2	S2ALZHE	s2alzhe:w2 s ever had alzheimer's	Categ
3	S3ALZHE	s3alzhe:w3 s ever had alzheimer's	Categ
4	S4ALZHE	s4alzhe:w4 s ever had alzheimer's	Categ
5	S5ALZHE	s5alzhe:w5 s ever had alzheimer's	Categ
6	S6ALZHE	s6alzhe:w6 s ever had alzheimer's	Categ
7	S7ALZHE	s7alzhe:w7 s ever had alzheimer's	Categ
8	S8ALZHE	s8alzhe:w8 s ever had alzheimer's	Categ
9	S9ALZHE	s9alzhe:w9 s ever had alzheimer's	Categ
1	R1ALZHF	r1alzhf:w1 r flag dispute chg alzheimer's	Categ
2	R2ALZHF	r2alzhf:w2 r flag dispute chg alzheimer's	Categ
3	R3ALZHF	r3alzhf:w3 r flag dispute chg alzheimer's	Categ
4	R4ALZHF	r4alzhf:w4 r flag dispute chg alzheimer's	Categ
5	R5ALZHF	r5alzhf:w5 r flag dispute chg alzheimer's	Categ
6	R6ALZHF	r6alzhf:w6 r flag dispute chg alzheimer's	Categ
7	R7ALZHF	r7alzhf:w7 r flag dispute chg alzheimer's	Categ
8	R8ALZHF	r8alzhf:w8 r flag dispute chg alzheimer's	Categ
9	R9ALZHF	r9alzhf:w9 r flag dispute chg alzheimer's	Categ
1	S1ALZHF	s1alzhf:w1 s flag dispute chg alzheimer's	Categ
2	S2ALZHF	s2alzhf:w2 s flag dispute chg alzheimer's	Categ
3	S3ALZHF	s3alzhf:w3 s flag dispute chg alzheimer's	Categ
4	S4ALZHF	s4alzhf:w4 s flag dispute chg alzheimer's	Categ
5	S5ALZHF	s5alzhf:w5 s flag dispute chg alzheimer's	Categ
6	S6ALZHF	s6alzhf:w6 s flag dispute chg alzheimer's	Categ
7	S7ALZHF	s7alzhf:w7 s flag dispute chg alzheimer's	Categ
8	S8ALZHF	s8alzhf:w8 s flag dispute chg alzheimer's	Categ
9	S9ALZHF	s9alzhf:w9 s flag dispute chg alzheimer's	Categ
1	R1DEMENE	r1demene:w1 r ever had dementia	Categ
2	R2DEMENE	r2demene:w2 r ever had dementia	Categ
3	R3DEMENE	r3demene:w3 r ever had dementia	Categ
4	R4DEMENE	r4demene:w4 r ever had dementia	Categ
5	R5DEMENE	r5demene:w5 r ever had dementia	Categ
6	R6DEMENE	r6demene:w6 r ever had dementia	Categ
7	R7DEMENE	r7demene:w7 r ever had dementia	Categ
8	R8DEMENE	r8demene:w8 r ever had dementia	Categ
9	R9DEMENE	r9demene:w9 r ever had dementia	Categ
1	S1DEMENE	s1demene:w1 s ever had dementia	Categ
2	S2DEMENE	s2demene:w2 s ever had dementia	Categ
3	S3DEMENE	s3demene:w3 s ever had dementia	Categ
4	S4DEMENE	s4demene:w4 s ever had dementia	Categ
5	S5DEMENE	s5demene:w5 s ever had dementia	Categ
6	S6DEMENE	s6demene:w6 s ever had dementia	Categ
7	S7DEMENE	s7demene:w7 s ever had dementia	Categ

8	S8DEMENE	s8demene:w8	s	ever	had	dementia			Categ
9	S9DEMENE	s9demene:w9	s	ever	had	dementia			Categ
1	R1DEMENF	r1demenf:w1	r	flag	dispute	chg	dementia		Categ
2	R2DEMENF	r2demenf:w2	r	flag	dispute	chg	dementia		Categ
3	R3DEMENF	r3demenf:w3	r	flag	dispute	chg	dementia		Categ
4	R4DEMENF	r4demenf:w4	r	flag	dispute	chg	dementia		Categ
5	R5DEMENF	r5demenf:w5	r	flag	dispute	chg	dementia		Categ
6	R6DEMENF	r6demenf:w6	r	flag	dispute	chg	dementia		Categ
7	R7DEMENF	r7demenf:w7	r	flag	dispute	chg	dementia		Categ
8	R8DEMENF	r8demenf:w8	r	flag	dispute	chg	dementia		Categ
9	R9DEMENF	r9demenf:w9	r	flag	dispute	chg	dementia		Categ
1	S1DEMENF	s1demenf:w1	s	flag	dispute	chg	dementia		Categ
2	S2DEMENF	s2demenf:w2	s	flag	dispute	chg	dementia		Categ
3	S3DEMENF	s3demenf:w3	s	flag	dispute	chg	dementia		Categ
4	S4DEMENF	s4demenf:w4	s	flag	dispute	chg	dementia		Categ
5	S5DEMENF	s5demenf:w5	s	flag	dispute	chg	dementia		Categ
6	S6DEMENF	s6demenf:w6	s	flag	dispute	chg	dementia		Categ
7	S7DEMENF	s7demenf:w7	s	flag	dispute	chg	dementia		Categ
8	S8DEMENF	s8demenf:w8	s	flag	dispute	chg	dementia		Categ
9	S9DEMENF	s9demenf:w9	s	flag	dispute	chg	dementia		Categ
1	R1MEMRYE	r1memrye:w1	r	ever	had	memory	problem		Categ
2	R2MEMRYE	r2memrye:w2	r	ever	had	memory	problem		Categ
3	R3MEMRYE	r3memrye:w3	r	ever	had	memory	problem		Categ
4	R4MEMRYE	r4memrye:w4	r	ever	had	memory	problem		Categ
5	R5MEMRYE	r5memrye:w5	r	ever	had	memory	problem		Categ
6	R6MEMRYE	r6memrye:w6	r	ever	had	memory	problem		Categ
7	R7MEMRYE	r7memrye:w7	r	ever	had	memory	problem		Categ
8	R8MEMRYE	r8memrye:w8	r	ever	had	memory	problem		Categ
9	R9MEMRYE	r9memrye:w9	r	ever	had	memory	problem		Categ
1	S1MEMRYE	s1memrye:w1	s	ever	had	memory	problem		Categ
2	S2MEMRYE	s2memrye:w2	s	ever	had	memory	problem		Categ
3	S3MEMRYE	s3memrye:w3	s	ever	had	memory	problem		Categ
4	S4MEMRYE	s4memrye:w4	s	ever	had	memory	problem		Categ
5	S5MEMRYE	s5memrye:w5	s	ever	had	memory	problem		Categ
6	S6MEMRYE	s6memrye:w6	s	ever	had	memory	problem		Categ
7	S7MEMRYE	s7memrye:w7	s	ever	had	memory	problem		Categ
8	S8MEMRYE	s8memrye:w8	s	ever	had	memory	problem		Categ
9	S9MEMRYE	s9memrye:w9	s	ever	had	memory	problem		Categ
1	R1MEMRYF	r1memryf:w1	r	flag	dispute	chg	memory	prob	Categ
2	R2MEMRYF	r2memryf:w2	r	flag	dispute	chg	memory	prob	Categ
3	R3MEMRYF	r3memryf:w3	r	flag	dispute	chg	memory	prob	Categ
4	R4MEMRYF	r4memryf:w4	r	flag	dispute	chg	memory	prob	Categ
5	R5MEMRYF	r5memryf:w5	r	flag	dispute	chg	memory	prob	Categ
6	R6MEMRYF	r6memryf:w6	r	flag	dispute	chg	memory	prob	Categ
7	R7MEMRYF	r7memryf:w7	r	flag	dispute	chg	memory	prob	Categ
8	R8MEMRYF	r8memryf:w8	r	flag	dispute	chg	memory	prob	Categ
9	R9MEMRYF	r9memryf:w9	r	flag	dispute	chg	memory	prob	Categ
1	S1MEMRYF	s1memryf:w1	s	flag	dispute	chg	memory	prob	Categ
2	S2MEMRYF	s2memryf:w2	s	flag	dispute	chg	memory	prob	Categ
3	S3MEMRYF	s3memryf:w3	s	flag	dispute	chg	memory	prob	Categ
4	S4MEMRYF	s4memryf:w4	s	flag	dispute	chg	memory	prob	Categ
5	S5MEMRYF	s5memryf:w5	s	flag	dispute	chg	memory	prob	Categ
6	S6MEMRYF	s6memryf:w6	s	flag	dispute	chg	memory	prob	Categ
7	S7MEMRYF	s7memryf:w7	s	flag	dispute	chg	memory	prob	Categ
8	S8MEMRYF	s8memryf:w8	s	flag	dispute	chg	memory	prob	Categ
9	S9MEMRYF	s9memryf:w9	s	flag	dispute	chg	memory	prob	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ALZHE	12089	0.00	0.03	0.00	1.00
R2ALZHE	9431	0.00	0.04	0.00	1.00
R3ALZHE	9766	0.00	0.06	0.00	1.00
R4ALZHE	11043	0.00	0.06	0.00	1.00
R5ALZHE	10272	0.01	0.07	0.00	1.00
R6ALZHE	10600	0.01	0.08	0.00	1.00
R7ALZHE	9666	0.01	0.08	0.00	1.00
R8ALZHE	8444	0.01	0.09	0.00	1.00
R9ALZHE	8736	0.01	0.08	0.00	1.00
S1ALZHE	8061	0.00	0.03	0.00	1.00
S2ALZHE	6177	0.00	0.04	0.00	1.00
S3ALZHE	6384	0.00	0.05	0.00	1.00
S4ALZHE	7396	0.00	0.04	0.00	1.00
S5ALZHE	6962	0.00	0.05	0.00	1.00
S6ALZHE	7241	0.00	0.06	0.00	1.00
S7ALZHE	6560	0.00	0.06	0.00	1.00
S8ALZHE	5687	0.01	0.08	0.00	1.00
S9ALZHE	5820	0.01	0.08	0.00	1.00
R1ALZHF	12099	0.00	0.11	0.00	6.00
R2ALZHF	9432	0.00	0.12	0.00	6.00
R3ALZHF	9766	0.00	0.14	0.00	6.00
R4ALZHF	11050	0.00	0.10	0.00	6.00
R5ALZHF	10274	0.00	0.12	0.00	6.00
R6ALZHF	10601	0.00	0.09	0.00	6.00
R7ALZHF	9666	0.00	0.11	0.00	6.00
R8ALZHF	8445	0.00	0.11	0.00	6.00
R9ALZHF	8736	0.00	0.06	0.00	3.00
S1ALZHF	8070	0.00	0.12	0.00	6.00
S2ALZHF	6178	0.00	0.13	0.00	6.00
S3ALZHF	6384	0.00	0.15	0.00	6.00
S4ALZHF	7402	0.00	0.10	0.00	6.00
S5ALZHF	6964	0.00	0.12	0.00	6.00
S6ALZHF	7242	0.00	0.08	0.00	6.00
S7ALZHF	6560	0.00	0.10	0.00	6.00
S8ALZHF	5688	0.00	0.11	0.00	6.00
S9ALZHF	5820	0.00	0.06	0.00	3.00
R1DEMENE	12089	0.00	0.07	0.00	1.00
R2DEMENE	9431	0.01	0.08	0.00	1.00
R3DEMENE	9766	0.01	0.10	0.00	1.00
R4DEMENE	11043	0.01	0.11	0.00	1.00
R5DEMENE	10272	0.01	0.12	0.00	1.00
R6DEMENE	10600	0.02	0.12	0.00	1.00
R7DEMENE	9666	0.02	0.13	0.00	1.00
R8DEMENE	8444	0.02	0.14	0.00	1.00
R9DEMENE	8736	0.02	0.15	0.00	1.00
S1DEMENE	8061	0.00	0.07	0.00	1.00
S2DEMENE	6177	0.01	0.08	0.00	1.00
S3DEMENE	6384	0.01	0.08	0.00	1.00
S4DEMENE	7396	0.01	0.09	0.00	1.00
S5DEMENE	6962	0.01	0.09	0.00	1.00
S6DEMENE	7241	0.01	0.10	0.00	1.00
S7DEMENE	6560	0.01	0.10	0.00	1.00
S8DEMENE	5687	0.02	0.12	0.00	1.00
S9DEMENE	5820	0.02	0.12	0.00	1.00

R1DEMENF	12099	0.01	0.24	0.00	6.00
R2DEMENF	9432	0.01	0.25	0.00	6.00
R3DEMENF	9766	0.01	0.25	0.00	6.00
R4DEMENF	11050	0.01	0.25	0.00	6.00
R5DEMENF	10274	0.01	0.24	0.00	6.00
R6DEMENF	10601	0.01	0.20	0.00	6.00
R7DEMENF	9666	0.01	0.20	0.00	6.00
R8DEMENF	8445	0.01	0.18	0.00	6.00
R9DEMENF	8736	0.00	0.08	0.00	3.00
S1DEMENF	8070	0.01	0.24	0.00	6.00
S2DEMENF	6178	0.01	0.27	0.00	6.00
S3DEMENF	6384	0.01	0.24	0.00	6.00
S4DEMENF	7402	0.01	0.22	0.00	6.00
S5DEMENF	6964	0.01	0.24	0.00	6.00
S6DEMENF	7242	0.01	0.18	0.00	6.00
S7DEMENF	6560	0.01	0.19	0.00	6.00
S8DEMENF	5688	0.01	0.18	0.00	6.00
S9DEMENF	5820	0.00	0.09	0.00	3.00
R1MEMRYE	12089	0.01	0.08	0.00	1.00
R2MEMRYE	9431	0.01	0.09	0.00	1.00
R3MEMRYE	9766	0.01	0.11	0.00	1.00
R4MEMRYE	11043	0.01	0.12	0.00	1.00
R5MEMRYE	10272	0.02	0.13	0.00	1.00
R6MEMRYE	10600	0.02	0.13	0.00	1.00
R7MEMRYE	9666	0.02	0.14	0.00	1.00
R8MEMRYE	8444	0.02	0.15	0.00	1.00
R9MEMRYE	8736	0.02	0.15	0.00	1.00
S1MEMRYE	8061	0.01	0.07	0.00	1.00
S2MEMRYE	6177	0.01	0.09	0.00	1.00
S3MEMRYE	6384	0.01	0.09	0.00	1.00
S4MEMRYE	7396	0.01	0.09	0.00	1.00
S5MEMRYE	6962	0.01	0.10	0.00	1.00
S6MEMRYE	7241	0.01	0.11	0.00	1.00
S7MEMRYE	6560	0.01	0.11	0.00	1.00
S8MEMRYE	5687	0.02	0.14	0.00	1.00
S9MEMRYE	5820	0.02	0.13	0.00	1.00
R1MEMRYF	12099	0.01	0.27	0.00	6.00
R2MEMRYF	9432	0.01	0.28	0.00	6.00
R3MEMRYF	9766	0.01	0.29	0.00	6.00
R4MEMRYF	11050	0.01	0.27	0.00	6.00
R5MEMRYF	10274	0.01	0.27	0.00	6.00
R6MEMRYF	10601	0.01	0.22	0.00	6.00
R7MEMRYF	9666	0.01	0.23	0.00	6.00
R8MEMRYF	8445	0.01	0.21	0.00	6.00
R9MEMRYF	8736	0.00	0.10	0.00	3.00
S1MEMRYF	8070	0.01	0.27	0.00	6.00
S2MEMRYF	6178	0.02	0.30	0.00	6.00
S3MEMRYF	6384	0.01	0.29	0.00	6.00
S4MEMRYF	7402	0.01	0.25	0.00	6.00
S5MEMRYF	6964	0.01	0.27	0.00	6.00
S6MEMRYF	7242	0.01	0.20	0.00	6.00
S7MEMRYF	6560	0.01	0.21	0.00	6.00
S8MEMRYF	5688	0.01	0.21	0.00	6.00
S9MEMRYF	5820	0.00	0.10	0.00	3.00

**Categorical Variable Codes**

Value-----	R1ALZHE	R2ALZHE	R3ALZHE	R4ALZHE	R5ALZHE
.d:DK	6			4	1
.r:Refuse	4	1		3	1
0.no	12076	9417	9735	10999	10215
1.yes	13	14	31	44	57
Value-----	R6ALZHE	R7ALZHE	R8ALZHE	R9ALZHE	
.r:Refuse	1		1		
0.no	10539	9609	8380	8677	
1.yes	61	57	64	59	
Value-----	S1ALZHE	S2ALZHE	S3ALZHE	S4ALZHE	S5ALZHE
.d:DK	6			3	1
.r:Refuse	3	1		3	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	8055	6168	6368	7381	6941
1.yes	6	9	16	15	21
Value-----	S6ALZHE	S7ALZHE	S8ALZHE	S9ALZHE	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	7219	6535	5652	5786	
1.yes	22	25	35	34	
Value-----	R1ALZHF	R2ALZHF	R3ALZHF	R4ALZHF	R5ALZHF
0.No dispute, no change	12095	9428	9761	11046	10270
3.Disp, set to N				1	
6.Disp aft, set to N	4	4	5	3	4
Value-----	R6ALZHF	R7ALZHF	R8ALZHF	R9ALZHF	
0.No dispute, no change	10598	9663	8442	8733	
3.Disp, set to N	1			3	
6.Disp aft, set to N	2	3	3		
Value-----	S1ALZHF	S2ALZHF	S3ALZHF	S4ALZHF	S5ALZHF
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	8067	6175	6380	7399	6961
3.Disp, set to N				1	
6.Disp aft, set to N	3	3	4	2	3
Value-----	S6ALZHF	S7ALZHF	S8ALZHF	S9ALZHF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7240	6558	5686	5818	
3.Disp, set to N	1			2	
6.Disp aft, set to N	1	2	2		
Value-----	R1DEMENE	R2DEMENE	R3DEMENE	R4DEMENE	R5DEMENE
.d:DK	6			4	1
.r:Refuse	4	1		3	1
0.no	12030	9364	9666	10916	10120
1.yes	59	67	100	127	152
Value-----	R6DEMENE	R7DEMENE	R8DEMENE	R9DEMENE	
.r:Refuse	1		1		
0.no	10436	9500	8277	8548	
1.yes	164	166	167	188	
Value-----	S1DEMENE	S2DEMENE	S3DEMENE	S4DEMENE	S5DEMENE
.d:DK	6			3	1
.r:Refuse	3	1		3	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	8023	6134	6341	7342	6899
1.yes	38	43	43	54	63
Value-----	S6DEMENE	S7DEMENE	S8DEMENE	S9DEMENE	

.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	7168	6487	5601	5729	
1.yes	73	73	86	91	
Value-----	R1DEMENF	R2DEMENF	R3DEMENF	R4DEMENF	R5DEMENF
0.No dispute, no change	12079	9414	9747	11030	10255
3.Disp, set to N		2	2	2	3
6.Disp aft, set to N	20	16	17	18	16
Value-----	R6DEMENF	R7DEMENF	R8DEMENF	R9DEMENF	
0.No dispute, no change	10585	9654	8434	8730	
3.Disp, set to N	5	1	5	6	
6.Disp aft, set to N	11	11	6		
Value-----	S1DEMENF	S2DEMENF	S3DEMENF	S4DEMENF	S5DEMENF
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	8057	6165	6372	7391	6952
3.Disp, set to N		1	2	1	1
6.Disp aft, set to N	13	12	10	10	11
Value-----	S6DEMENF	S7DEMENF	S8DEMENF	S9DEMENF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7233	6553	5682	5815	
3.Disp, set to N	3	1	1	5	
6.Disp aft, set to N	6	6	5		
Value-----	R1MEMRYE	R2MEMRYE	R3MEMRYE	R4MEMRYE	R5MEMRYE
.d:DK	6			4	1
.r:Refuse	4	1		3	1
0.no	12020	9354	9646	10893	10093
1.yes	69	77	120	150	179
Value-----	R6MEMRYE	R7MEMRYE	R8MEMRYE	R9MEMRYE	
.r:Refuse	1		1		
0.no	10406	9479	8247	8526	
1.yes	194	187	197	210	
Value-----	S1MEMRYE	S2MEMRYE	S3MEMRYE	S4MEMRYE	S5MEMRYE
.d:DK	6			3	1
.r:Refuse	3	1		3	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	8019	6128	6330	7333	6887
1.yes	42	49	54	63	75
Value-----	S6MEMRYE	S7MEMRYE	S8MEMRYE	S9MEMRYE	
.r:Refuse	1		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	7156	6477	5581	5713	
1.yes	85	83	106	107	
Value-----	R1MEMRYF	R2MEMRYF	R3MEMRYF	R4MEMRYF	R5MEMRYF
0.No dispute, no change	12075	9410	9742	11026	10251
3.Disp, set to N		2	2	3	3
6.Disp aft, set to N	24	20	22	21	20
Value-----	R6MEMRYF	R7MEMRYF	R8MEMRYF	R9MEMRYF	
0.No dispute, no change	10582	9651	8431	8727	
3.Disp, set to N	6	1	5	9	
6.Disp aft, set to N	13	14	9		
Value-----	S1MEMRYF	S2MEMRYF	S3MEMRYF	S4MEMRYF	S5MEMRYF
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No dispute, no change	8054	6162	6368	7388	6949
3.Disp, set to N		1	2	2	1

6.Disp aft, set to N	16	15	14	12	14
Value-----	S6MEMRYF	S7MEMRYF	S8MEMRYF	S9MEMRYF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No dispute, no change	7231	6551	5680	5813	
3.Disp, set to N	4	1	1	7	
6.Disp aft, set to N	7	8	7		

## How Constructed

RwALZHE indicates whether a doctor has told the respondent they have Alzheimer's disease. RwDEMENE indicates whether a doctor has told the respondent they have dementia, organic brain senility, or any other serious memory condition. The exact question wording depends on whether this is a first interview and whether the condition was reported at a prior interview. A code of 0 indicates that the respondent does not report having been told by a doctor they have the condition. A code of 1 indicates that the respondent reports having been told by a doctor they have the condition. Don't know, refused, or other missing values of RwALZHE and RwDEMENE are assigned special missing codes .d, .r, .m, respectively. RwALZHE and RwDEMENE are set to plain missing (.) for respondents who did not respond to the current wave.

RwMEMRYE indicates whether the respondent reported having Alzheimer's disease or dementia, organic brain syndrome, senility or any other serious memory impairment. ELSA surveys the two conditions separately, so RwMEMRYE indicates whether the respondent reported either of the conditions. A code of 0 indicates that the respondent does not report having been told by a doctor they have the condition. A code of 1 indicates that the respondent reports having been told by a doctor they have the condition. Don't know, refused, or other missing values of RwMEMRYE are assigned special missing codes .d, .r, .m, respectively. RwMEMRYE is set to plain missing (.) for respondents who did not respond to the current wave.

In the ELSA, respondents identify new conditions by selecting conditions a doctor has told them they have from a card containing a list of conditions.

SwALZHE, SwDEMENE, and SwMEMRYE indicate whether the respondent's spouse reported ever being told by a doctor they have any of these conditions and are taken directly from the spouse's values to RwALZHE, RwDEMENE, and RwMEMRYE. In addition to the special missing codes used in RwALZHE, RwDEMENE, and RwMEMRYE, SwALZHE, SwDEMENE, and SwMEMRYE employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

From the 2nd wave forward, if the respondent previously reported ever having a condition (a preloaded condition) then they are first asked to confirm or dispute ever having this condition. After that they are asked to identify any new conditions. If any condition is disputed, all prior wave reports are set to no.

RwALZHF, RwDEMENF, and RwMEMRYF indicate whether a condition is disputed at the current or a later interview. The codes for the flag variables are: 0) no dispute and no change; 3) disputes preload indicating prior report of condition, and data agrees with preload, set current and prior waves to no; 6) dispute of preload at a later wave has changed this wave's report from yes to no.

SwALZHF, SwDEMENF, and SwMEMRYF are taken directly from the spouse's responses to RwALZHF, RwDEMENF, and RwMEMRYF. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

From the 2nd wave forward, if the respondent previously reported ever having a condition then they are first asked to confirm or dispute ever having this condition. After that they are asked to identify any new conditions.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA surveys Alzheimer's disease or dementia, organic brain syndrome, senility or any



other serious memory impairment separately, so RWMEMRYE indicates whether the respondent reported any one of these conditions.

## ELSA Variables Used

### Wave 1 Core:

HEDIB01	has a doctor ever told you that you [have/have had] any
HEDIB02	has a doctor ever told you that you [have/have had] any
HEDIB03	has a doctor ever told you that you [have/have had] any
HEDIB04	has a doctor ever told you that you [have/have had] any
HEDIB05	has a doctor ever told you that you [have/have had] any
HEDIB06	has a doctor ever told you that you [have/have had] any
HEDIB07	has a doctor ever told you that you [have/have had] any
HEDIB08	has a doctor ever told you that you [have/have had] any
HEDIB09	has a doctor ever told you that you [have/have had] any
HEDIB10	has a doctor ever told you that you [have/have had] any

### Wave 2 Core:

HEDIAD8	Whether confirms Alzheimers disease recorded in wave 1
HEDIAD9	Whether confirms dementia recorded in wave 1
HEDIB01	Diagnosed chronic condition newly reported at W2 (1st me
HEDIB02	Diagnosed chronic condition newly reported at W2 (2nd me
HEDIB03	Diagnosed chronic condition newly reported at W2 (3rd me
HEDIB04	Diagnosed chronic condition newly reported at W2 (4th me

### Wave 3 Core:

HEDBDAD	whether confirms alzheimers disease diagnosis
HEDBDDE	whether confirms dementia diagnosis
HEDIBAD	(d) ever reported alzheimers's disease (diagnosed)
HEDIBDE	(d) ever reported dementia or memory impairment (diagnos

### Wave 4 Core:

HEDBDAD	whether confirms alzheimers disease diagnosis
HEDBDDE	whether confirms dementia diagnosis
HEDIBAD	chronic: alzheimers disease diagnosis newly reported
HEDIBDE	chronic: dementia diagnosis newly reported

### Wave 5 Core:

HEDBDAD	Whether confirms Alzheimers Disease diagnosis
HEDBDDE	Whether confirms dementia diagnosis
HEDIBAD	Chronic: Alzheimers Disease diagnosis newly reported
HEDIBDE	Chronic: dementia diagnosis newly reported

### Wave 6 Core:

HEDBDAD	whether confirms alzheimers disease diagnosis
HEDBDDE	whether confirms dementia diagnosis
HEDIBAD	chronic: alzheimers disease diagnosis newly reported
HEDIBDE	chronic: dementia diagnosis newly reported

### Wave 7 Core:

HEDBDAD	whether confirms alzheimers disease diagnosis
HEDBDDE	whether confirms dementia diagnosis
HEDIBAD	chronic: alzheimers disease diagnosis newly reported
HEDIBDE	chronic: dementia diagnosis newly reported

### Wave 8 Core:

HEDBDAD	whether confirms alzheimer's disease diagnosis
HEDBDDE	whether confirms dementia diagnosis
HEDIBAD	chronic: alzheimer's disease diagnosis newly reported
HEDIBDE	chronic: dementia diagnosis newly reported

### Wave 9 Core:

HEDBDAD	Whether confirms Alzheimer's disease diagnosis
HEDBDDE	Whether confirms dementia diagnosis
HEDIBAD	Chronic: Alzheimer's disease diagnosis newly reported
HEDIBDE	Chronic: dementia diagnosis newly reported

### Memory-Related Problems: Age When Diagnosed

Wave	Variable	Label	Type
1	RADIAGALZH	radiagalzh: r age first diagnosed with alzheimer's	Categ
1	S1DIAGALZH	s1diagalzh:w1 s age first diagnosed with alzheimer's	Categ
2	S2DIAGALZH	s2diagalzh:w2 s age first diagnosed with alzheimer's	Categ
3	S3DIAGALZH	s3diagalzh:w3 s age first diagnosed with alzheimer's	Categ
4	S4DIAGALZH	s4diagalzh:w4 s age first diagnosed with alzheimer's	Categ
5	S5DIAGALZH	s5diagalzh:w5 s age first diagnosed with alzheimer's	Categ
6	S6DIAGALZH	s6diagalzh:w6 s age first diagnosed with alzheimer's	Categ
7	S7DIAGALZH	s7diagalzh:w7 s age first diagnosed with alzheimer's	Categ
8	S8DIAGALZH	s8diagalzh:w8 s age first diagnosed with alzheimer's	Categ
9	S9DIAGALZH	s9diagalzh:w9 s age first diagnosed with alzheimer's	Categ
1	RADIAGDEMEN	radiagdemen: r age first diagnosed with dementia	Categ
1	S1DIAGDEMEN	s1diagdemen:w1 s age first diagnosed with dementia	Categ
2	S2DIAGDEMEN	s2diagdemen:w2 s age first diagnosed with dementia	Categ
3	S3DIAGDEMEN	s3diagdemen:w3 s age first diagnosed with dementia	Categ
4	S4DIAGDEMEN	s4diagdemen:w4 s age first diagnosed with dementia	Categ
5	S5DIAGDEMEN	s5diagdemen:w5 s age first diagnosed with dementia	Categ
6	S6DIAGDEMEN	s6diagdemen:w6 s age first diagnosed with dementia	Categ
7	S7DIAGDEMEN	s7diagdemen:w7 s age first diagnosed with dementia	Categ
8	S8DIAGDEMEN	s8diagdemen:w8 s age first diagnosed with dementia	Categ
9	S9DIAGDEMEN	s9diagdemen:w9 s age first diagnosed with dementia	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADIAGALZH	136	78.43	7.79	47.00	90.00
S1DIAGALZH	6	69.50	12.82	47.00	83.00
S2DIAGALZH	8	74.75	11.46	48.00	85.00
S3DIAGALZH	14	74.71	9.64	48.00	85.00
S4DIAGALZH	16	73.19	11.97	47.00	86.00
S5DIAGALZH	20	75.00	9.43	47.00	87.00
S6DIAGALZH	21	75.29	4.31	66.00	84.00
S7DIAGALZH	22	75.55	6.26	60.00	84.00
S8DIAGALZH	8	75.88	3.94	67.00	79.00
S9DIAGALZH	5	75.80	5.72	67.00	82.00
RADIAGDEMEN	370	75.39	12.31	24.00	90.00
S1DIAGDEMEN	41	62.05	17.60	21.00	86.00
S2DIAGDEMEN	44	68.20	16.32	30.00	90.00
S3DIAGDEMEN	41	69.02	16.91	30.00	89.00
S4DIAGDEMEN	53	67.57	15.02	30.00	88.00
S5DIAGDEMEN	60	68.15	14.02	30.00	89.00
S6DIAGDEMEN	65	68.49	13.47	30.00	89.00
S7DIAGDEMEN	69	69.29	13.09	30.00	89.00
S8DIAGDEMEN	42	67.02	12.65	30.00	86.00
S9DIAGDEMEN	25	63.72	14.33	30.00	82.00

### How Constructed

RADIAGALZH and RADIAGDEMEN indicate the age at which the respondent was first diagnosed with Alzheimer's Disease and dementia, senility or any other serious memory impairment, respectively. Respondents were asked to provide the age they were first diagnosed with the memory condition. Starting in Wave 2,

respondents were also asked the year in which they were most recently diagnosed with the memory condition, and these responses are converted to their age at diagnosis. In Waves 8 and 9, respondents were asked the year in which they were most recently diagnosed, but the data was not included in the dataset, which may result in a higher number of missing values. These variables always take the first value reported. Respondents who have never been diagnosed with the specified memory condition are not asked this question and are assigned a special missing code .x. If the respondent disputed having a condition that was reported in a previous wave, then these variables are assigned special missing code .x and the variables specifying if the respondent ever had the condition are adjusted to 0. Special missing .i is assigned if the age diagnosed with a memory condition is older than the respondent's age at the time of the interview. Special missing .i was also assigned to RADIAGDEMEN if the respondent reported being diagnosed with dementia at an age less than 10 years old. Don't know, refused, or other missing responses of these variables are assigned special missing codes .d, .r, and .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

SwDIAGALZH and SwDIAGDEMEN indicate the age at which the respondent's current wave's spouse was first diagnosed with Alzheimer's Disease and dementia, senility or any other serious memory impairment, and are taken from corresponding respondent variables. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in ELSA

In Wave 1, respondents are only able to report the age of their diagnosis. Starting in Wave 2, respondents can also report the year in which they were most recently diagnosed with Alzheimer's or dementia, and these responses are converted to their age at diagnosis.

In Waves 8 and 9, respondents were asked the year in which they were most recently diagnosed, but the data was not included in the dataset, which may result in a higher number of missing values.

### Differences with the RAND HRS/Harmonized HRS

In the HRS, respondents are not asked when they were first diagnosed with Alzheimer's disease or dementia, so no comparable variables are available.

### ELSA Variables Used

#### Wave 1 Core:

HEAGI	approximately how old were you when first told by a doct
HEAGJ	approximately how old were you when first told by a doct
HEDIB01	has a doctor ever told you that you [have/have had] any
HEDIB02	has a doctor ever told you that you [have/have had] any
HEDIB03	has a doctor ever told you that you [have/have had] any
HEDIB04	has a doctor ever told you that you [have/have had] any
HEDIB05	has a doctor ever told you that you [have/have had] any
HEDIB06	has a doctor ever told you that you [have/have had] any
HEDIB07	has a doctor ever told you that you [have/have had] any
HEDIB08	has a doctor ever told you that you [have/have had] any
HEDIB09	has a doctor ever told you that you [have/have had] any
HEDIB10	has a doctor ever told you that you [have/have had] any

#### Wave 2 Core:

HEAGI	Age told had Alzheimers Disease
HEAGIRY	Year told had Alzheimers Disease in last 2 years
HEAGJ	Age told had dementia
HEAGJRY	Year told had dementia in last 2 years
HEDIAD8	Whether confirms Alzheimers disease recorded in wave 1
HEDIAD9	Whether confirms dementia recorded in wave 1
HEDIB01	Diagnosed chronic condition newly reported at W2 (1st me
HEDIB02	Diagnosed chronic condition newly reported at W2 (2nd me
HEDIB03	Diagnosed chronic condition newly reported at W2 (3rd me
HEDIB04	Diagnosed chronic condition newly reported at W2 (4th me

## Wave 3 Core:

HEAGI age told had alzheimers disease  
 HEAGIRY year told had alzheimers disease since last interview  
 HEAGJ age told had dementia  
 HEAGJRY year told had dementia since last interview  
 HEDBDAD whether confirms alzheimers disease diagnosis  
 HEDBDDE whether confirms dementia diagnosis  
 HEDIBAD (d) ever reported alzheimer's disease (diagnosed)  
 HEDIBDE (d) ever reported dementia or memory impairment (diagnos

## Wave 4 Core:

HEAGI age told had alzheimers disease  
 HEAGIRY year told had alzheimers disease since last interview  
 HEAGJ age told had dementia  
 HEAGJRY year told had dementia since last interview  
 HEDBDAD whether confirms alzheimers disease diagnosis  
 HEDBDDE whether confirms dementia diagnosis  
 HEDIBAD chronic: alzheimers disease diagnosis newly reported  
 HEDIBDE chronic: dementia diagnosis newly reported

## Wave 5 Core:

HEAGI Age told had Alzheimers Disease  
 HEAGIRY Year told had Alzheimers Disease since last interview  
 HEAGJ Age told had dementia  
 HEAGJRY Year told had dementia since last interview  
 HEDBDAD Whether confirms Alzheimers Disease diagnosis  
 HEDBDDE Whether confirms dementia diagnosis  
 HEDIBAD Chronic: Alzheimers Disease diagnosis newly reported  
 HEDIBDE Chronic: dementia diagnosis newly reported

## Wave 6 Core:

HEAGI age told had alzheimers disease  
 HEAGIRY year told had alzheimers disease since last interview  
 HEAGJ age told had dementia  
 HEAGJRY year told had dementia since last interview  
 HEDBDAD whether confirms alzheimers disease diagnosis  
 HEDBDDE whether confirms dementia diagnosis  
 HEDIBAD chronic: alzheimers disease diagnosis newly reported  
 HEDIBDE chronic: dementia diagnosis newly reported

## Wave 7 Core:

HEAGI age told had alzheimers disease  
 HEAGIRY year told had alzheimers disease since last interview  
 HEAGJ age told had dementia  
 HEAGJRY year told had dementia since last interview  
 HEDBDAD whether confirms alzheimers disease diagnosis  
 HEDBDDE whether confirms dementia diagnosis  
 HEDIBAD chronic: alzheimers disease diagnosis newly reported  
 HEDIBDE chronic: dementia diagnosis newly reported

## Wave 8 Core:

HEAGI age told had alzheimer's disease  
 HEAGJ age told had dementia  
 HEDBDAD whether confirms alzheimer's disease diagnosis  
 HEDBDDE whether confirms dementia diagnosis  
 HEDIBAD chronic: alzheimer's disease diagnosis newly reported  
 HEDIBDE chronic: dementia diagnosis newly reported

## Wave 9 Core:

HEAGI Age told had Alzheimer's disease  
 HEAGJ Age told had dementia  
 HEDBDAD Whether confirms Alzheimer's disease diagnosis  
 HEDBDDE Whether confirms dementia diagnosis  
 HEDIBAD Chronic: Alzheimer's disease diagnosis newly reported  
 HEDIBDE Chronic: dementia diagnosis newly reported

<b>Medical Procedures: Ever Have Procedure</b>
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Wave	Variable	Label	Type
1	R1JOINTRE	r1jointre:w1 r ever had any joint replacement	Categ
2	R2JOINTRE	r2jointre:w2 r ever had any joint replacement	Categ
3	R3JOINTRE	r3jointre:w3 r ever had any joint replacement	Categ
4	R4JOINTRE	r4jointre:w4 r ever had any joint replacement	Categ
5	R5JOINTRE	r5jointre:w5 r ever had any joint replacement	Categ
6	R6JOINTRE	r6jointre:w6 r ever had any joint replacement	Categ
7	R7JOINTRE	r7jointre:w7 r ever had any joint replacement	Categ
8	R8JOINTRE	r8jointre:w8 r ever had any joint replacement	Categ
9	R9JOINTRE	r9jointre:w9 r ever had any joint replacement	Categ
1	S1JOINTRE	s1jointre:w1 s ever had any joint replacement	Categ
2	S2JOINTRE	s2jointre:w2 s ever had any joint replacement	Categ
3	S3JOINTRE	s3jointre:w3 s ever had any joint replacement	Categ
4	S4JOINTRE	s4jointre:w4 s ever had any joint replacement	Categ
5	S5JOINTRE	s5jointre:w5 s ever had any joint replacement	Categ
6	S6JOINTRE	s6jointre:w6 s ever had any joint replacement	Categ
7	S7JOINTRE	s7jointre:w7 s ever had any joint replacement	Categ
8	S8JOINTRE	s8jointre:w8 s ever had any joint replacement	Categ
9	S9JOINTRE	s9jointre:w9 s ever had any joint replacement	Categ
1	R1HIPRE	r1hipre:w1 r ever had hip replacement	Categ
2	R2HIPRE	r2hipre:w2 r ever had hip replacement	Categ
3	R3HIPRE	r3hipre:w3 r ever had hip replacement	Categ
4	R4HIPRE	r4hipre:w4 r ever had hip replacement	Categ
5	R5HIPRE	r5hipre:w5 r ever had hip replacement	Categ
6	R6HIPRE	r6hipre:w6 r ever had hip replacement	Categ
7	R7HIPRE	r7hipre:w7 r ever had hip replacement	Categ
8	R8HIPRE	r8hipre:w8 r ever had hip replacement	Categ
9	R9HIPRE	r9hipre:w9 r ever had hip replacement	Categ
1	S1HIPRE	s1hipre:w1 s ever had hip replacement	Categ
2	S2HIPRE	s2hipre:w2 s ever had hip replacement	Categ
3	S3HIPRE	s3hipre:w3 s ever had hip replacement	Categ
4	S4HIPRE	s4hipre:w4 s ever had hip replacement	Categ
5	S5HIPRE	s5hipre:w5 s ever had hip replacement	Categ
6	S6HIPRE	s6hipre:w6 s ever had hip replacement	Categ
7	S7HIPRE	s7hipre:w7 s ever had hip replacement	Categ
8	S8HIPRE	s8hipre:w8 s ever had hip replacement	Categ
9	S9HIPRE	s9hipre:w9 s ever had hip replacement	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JOINTRE	7047	0.07	0.26	0.00	1.00
R2JOINTRE	6243	0.09	0.28	0.00	1.00
R3JOINTRE	5907	0.10	0.30	0.00	1.00
R4JOINTRE	7318	0.10	0.30	0.00	1.00
R5JOINTRE	7531	0.11	0.32	0.00	1.00
R6JOINTRE	7661	0.11	0.32	0.00	1.00
R7JOINTRE	7408	0.13	0.33	0.00	1.00
R8JOINTRE	7100	0.14	0.34	0.00	1.00
R9JOINTRE	6670	0.14	0.35	0.00	1.00
S1JOINTRE	4220	0.07	0.25	0.00	1.00
S2JOINTRE	3756	0.08	0.27	0.00	1.00
S3JOINTRE	3472	0.08	0.28	0.00	1.00

S4JOINTRE	4556	0.09	0.28	0.00	1.00
S5JOINTRE	4812	0.10	0.30	0.00	1.00
S6JOINTRE	4999	0.10	0.30	0.00	1.00
S7JOINTRE	4838	0.11	0.32	0.00	1.00
S8JOINTRE	4661	0.12	0.33	0.00	1.00
S9JOINTRE	4332	0.13	0.34	0.00	1.00
R1HIPRE	7047	0.05	0.22	0.00	1.00
R2HIPRE	6243	0.05	0.22	0.00	1.00
R3HIPRE	5907	0.06	0.23	0.00	1.00
R4HIPRE	7318	0.06	0.23	0.00	1.00
R5HIPRE	7531	0.06	0.24	0.00	1.00
R6HIPRE	7661	0.06	0.24	0.00	1.00
R7HIPRE	7408	0.06	0.24	0.00	1.00
R8HIPRE	7100	0.07	0.25	0.00	1.00
R9HIPRE	6670	0.07	0.26	0.00	1.00
S1HIPRE	4220	0.04	0.20	0.00	1.00
S2HIPRE	3756	0.05	0.21	0.00	1.00
S3HIPRE	3472	0.05	0.21	0.00	1.00
S4HIPRE	4556	0.04	0.20	0.00	1.00
S5HIPRE	4812	0.05	0.21	0.00	1.00
S6HIPRE	4999	0.05	0.21	0.00	1.00
S7HIPRE	4838	0.05	0.22	0.00	1.00
S8HIPRE	4661	0.06	0.23	0.00	1.00
S9HIPRE	4332	0.06	0.25	0.00	1.00

### Categorical Variable Codes

Value-----	R1JOINTRE	R2JOINTRE	R3JOINTRE	R4JOINTRE	R5JOINTRE
.a:not asked due to age	4853	3186	3856	3728	2739
.d:DK	9	1	1	4	1
.m:Missing			2		
.r:Refuse	190	2			3
0.No	6532	5703	5334	6587	6688
1.Yes	515	540	573	731	843

Value-----	R6JOINTRE	R7JOINTRE	R8JOINTRE	R9JOINTRE
.a:not asked due to age	2937	2257	1344	2066
.d:DK		1		
.m:Missing			1	
.r:Refuse	3			
0.No	6787	6481	6140	5712
1.Yes	874	927	960	958

Value-----	S1JOINTRE	S2JOINTRE	S3JOINTRE	S4JOINTRE	S5JOINTRE
.a:not asked due to age	3703	2419	2911	2842	2149
.d:DK	6	1		4	1
.m:Missing			1		
.r:Refuse	141	2			2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	3939	3462	3181	4165	4348
1.Yes	281	294	291	391	464

Value-----	S6JOINTRE	S7JOINTRE	S8JOINTRE	S9JOINTRE
.a:not asked due to age	2241	1722	1027	1488
.r:Refuse	2			
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.No	4500	4284	4087	3753
1.Yes	499	554	574	579

Value-----	R1HIPRE	R2HIPRE	R3HIPRE	R4HIPRE	R5HIPRE
.a:not asked due to age	4853	3186	3856	3728	2739
.d:DK	9	1	1	4	1

.m:Missing				2		
.r:Refuse	190	2				3
0.No	6703	5912	5571	6905		7085
1.Yes	344	331	336	413		446
Value-----	R6HIPRE	R7HIPRE	R8HIPRE	R9HIPRE		
.a:not asked due to age	2937	2257	1344	2066		
.d:DK		1				
.m:Missing			1			
.r:Refuse	3					
0.No	7207	6948	6629	6189		
1.Yes	454	460	471	481		
Value-----	S1HIPRE	S2HIPRE	S3HIPRE	S4HIPRE	S5HIPRE	
.a:not asked due to age	3703	2419	2911	2842	2149	
.d:DK	6	1		4	1	
.m:Missing			1			
.r:Refuse	141	2			2	
.u:Unmar	3561	2671	2706	2932	2742	
.v:SP NR	468	583	676	716	568	
0.No	4041	3583	3310	4360	4584	
1.Yes	179	173	162	196	228	
Value-----	S6HIPRE	S7HIPRE	S8HIPRE	S9HIPRE		
.a:not asked due to age	2241	1722	1027	1488		
.r:Refuse	2					
.u:Unmar	2802	2548	2255	2286		
.v:SP NR	557	558	502	630		
0.No	4763	4585	4400	4054		
1.Yes	236	253	261	278		

## How Constructed

RwJOINTRE indicates whether the respondent has ever had any joint replacement surgeries. RwHIPRE indicates whether the respondent has ever had a hip replacement. RwJOINTRE and RwHIPRE are coded as 0.no, and 1.yes. Respondents younger than age 60 are not asked about any joint or hip replacements and are assigned special missing .a. Don't know, refused, or other missing responses of RwJOINTRE and RwHIPRE are assigned special missing codes .d, .r, and .m, respectively. RwJOINTRE and RwHIPRE are set to plain missing (.) for respondents who did not participate in the current wave.

SwJOINTRE and SwHIPRE indicate whether the respondent's current wave's spouse has ever had joint replacement surgery or hip replacement surgery, and is taken from RwJOINTRE and RwHIPRE, respectively. In addition to the special missing codes employed by RwJOINTRE and RwHIPRE, SwJOINTRE and SwHIPRE employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Respondents are not asked about hip replacements in the HRS.

## ELSA Variables Used

Wave 1 Core:

HEJI	have you ever had any joint replacements?
HEJIA1	which joints did you have replaced? 1st
HEJIA2	which joints did you have replaced? 2nd
HEJIA3	which joints did you have replaced? 3rd
HEJIA4	which joints did you have replaced? 4th
HEJIA5	which joints did you have replaced? 5th
HEJIA6	which joints did you have replaced? 6th

INDAGER age variable combined info from hh grid and individual d

Wave 2 Core:

HEJI Whether had joint replacement

HEJIA1 Which joints had replaced (1st mention)

HEJIA2 Which joints had replaced (2nd mention)

INDAGER Definitive age variable collapsed at 90 plus. Priority:

Wave 3 Core:

HEJI whether had joint replacement

HEJIAA1 whether right hip joint replaced

HEJIAA2 whether left hip joint replaced

INDAGER definitive age variable collapsed at 90 plus. priority:

Wave 4 Core:

HEJI whether had joint replacement

HEJIAA1 whether right hip joint replaced

HEJIAA2 whether left hip joint replaced

INDAGER definitive age variable collapsed at 90 plus. priority:

Wave 5 Core:

HEJI Whether had joint replacement

HEJIAA1 Whether right hip joint replaced

HEJIAA2 Whether left hip joint replaced

INDAGER Definitive age variable collapsed at 90+ to avoid disclo

Wave 6 Core:

HEJI whether had joint replacement

HEJIAA1 whether right hip joint replaced

HEJIAA2 whether left hip joint replaced

INDAGER definitive age variable collapsed at 90+ to avoid disclo

Wave 7 Core:

HEJI whether had joint replacement

HEJIAA1 whether right hip joint replaced

HEJIAA2 whether left hip joint replaced

INDAGER definitive age variable collapsed at 90+ to avoid disclo

Wave 8 Core:

HEJI whether had joint replacement

HEJIAA1 whether right hip joint replaced

HEJIAA2 whether left hip joint replaced

INDAGER (d) definitive age variable collapsed at 90+: priority d

Wave 9 Core:

HEJI Whether had joint replacement

HEJIAA1 Whether right hip joint replaced

HEJIAA2 Whether left hip joint replaced

INDAGER (D) Definitive age variable collapsed at 90+: priority d



<b>Medical Procedures: Had Procedure in Last Two Years</b>
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Wave	Variable	Label	Type
1	R1HIPR	r1hipr:w1 r hip replacement last 2 years	Categ
2	R2HIPR	r2hipr:w2 r hip replacement last 2 years	Categ
1	S1HIPR	s1hipr:w1 s hip replacement last 2 years	Categ
2	S2HIPR	s2hipr:w2 s hip replacement last 2 years	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HIPR	7047	0.02	0.12	0.00	1.00
R2HIPR	6134	0.00	0.03	0.00	1.00
S1HIPR	4220	0.01	0.12	0.00	1.00
S2HIPR	3689	0.00	0.03	0.00	1.00

### Categorical Variable Codes

Value-----	R1HIPR	R2HIPR
.a:not asked due to age	4853	3186
.d:DK	9	4
.m:Missing		105
.r:Refuse	190	3
0.No	6939	6128
1.Yes	108	6

Value-----	S1HIPR	S2HIPR
.a:not asked due to age	3703	2419
.d:DK	6	2
.m:Missing		65
.r:Refuse	141	3
.u:Unmar	3561	2671
.v:SP NR	468	583
0.No	4158	3685
1.Yes	62	4

### How Constructed

RwHIPR indicates whether the respondent has had a hip replacement in the last 2 years. RwHIPR is coded as 0.no, and 1.yes. If the respondent has never had any joint replacements then the variable is assigned a value of 0. Respondents younger than age 60 are not asked about hip replacements and are assigned a special missing .a. Don't know, refused, or other missing responses of RwHIPR are assigned special missing codes .d, .r, and .m, respectively. RwHIPR is set to plain missing (.) for respondents who did not participate in the current wave.

SwhIPR indicates whether the respondent's current wave's spouse has had a hip replacement in the last 2 years, and is taken from RwHIPR. In addition to the special missing codes employed by RwHIPR, SwhIPR employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in ELSA

Respondents are only asked about having had a hip replacement in the last 2 years in Waves 1 and 2.

## Differences with the RAND HRS/Harmonized HRS

Respondents were not asked about hip replacements in the HRS.

## ELSA Variables Used

### Wave 1 Core:

HEJI	have you ever had any joint replacements?
HEJIA1	which joints did you have replaced? 1st
HEJIA2	which joints did you have replaced? 2nd
HEJIA3	which joints did you have replaced? 3rd
HEJIA4	which joints did you have replaced? 4th
HEJIA5	which joints did you have replaced? 5th
HEJIA6	which joints did you have replaced? 6th
HEJIC	^chavehas[pnum] ^youname[pnum] had a hip replacement in
INDAGER	age variable combined info from hh grid and individual d

### Wave 2 Core:

HEJI	Whether had joint replacement
HEJIA1	Which joints had replaced (1st mention)
HEJIA2	Which joints had replaced (2nd mention)
HEJIC	Whether had hip replacement in last two years
INDAGER	Definitive age variable collapsed at 90 plus. Priority:

<b>Vision and Eye Treatments</b>
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Wave	Variable	Label	Type
1	R1SIGHT	r1sight:w1 r self-rated eyesight	Categ
2	R2SIGHT	r2sight:w2 r self-rated eyesight	Categ
3	R3SIGHT	r3sight:w3 r self-rated eyesight	Categ
4	R4SIGHT	r4sight:w4 r self-rated eyesight	Categ
5	R5SIGHT	r5sight:w5 r self-rated eyesight	Categ
6	R6SIGHT	r6sight:w6 r self-rated eyesight	Categ
7	R7SIGHT	r7sight:w7 r self-rated eyesight	Categ
8	R8SIGHT	r8sight:w8 r self-rated eyesight	Categ
9	R9SIGHT	r9sight:w9 r self-rated eyesight	Categ
1	S1SIGHT	s1sight:w1 s self-rated eyesight	Categ
2	S2SIGHT	s2sight:w2 s self-rated eyesight	Categ
3	S3SIGHT	s3sight:w3 s self-rated eyesight	Categ
4	S4SIGHT	s4sight:w4 s self-rated eyesight	Categ
5	S5SIGHT	s5sight:w5 s self-rated eyesight	Categ
6	S6SIGHT	s6sight:w6 s self-rated eyesight	Categ
7	S7SIGHT	s7sight:w7 s self-rated eyesight	Categ
8	S8SIGHT	s8sight:w8 s self-rated eyesight	Categ
9	S9SIGHT	s9sight:w9 s self-rated eyesight	Categ
1	R1DSIGHT	r1dsight:w1 r self-rated distance eyesight	Categ
2	R2DSIGHT	r2dsight:w2 r self-rated distance eyesight	Categ
3	R3DSIGHT	r3dsight:w3 r self-rated distance eyesight	Categ
4	R4DSIGHT	r4dsight:w4 r self-rated distance eyesight	Categ
5	R5DSIGHT	r5dsight:w5 r self-rated distance eyesight	Categ
6	R6DSIGHT	r6dsight:w6 r self-rated distance eyesight	Categ
7	R7DSIGHT	r7dsight:w7 r self-rated distance eyesight	Categ
8	R8DSIGHT	r8dsight:w8 r self-rated distance eyesight	Categ
9	R9DSIGHT	r9dsight:w9 r self-rated distance eyesight	Categ
1	S1DSIGHT	s1dsight:w1 s self-rated distance eyesight	Categ
2	S2DSIGHT	s2dsight:w2 s self-rated distance eyesight	Categ
3	S3DSIGHT	s3dsight:w3 s self-rated distance eyesight	Categ
4	S4DSIGHT	s4dsight:w4 s self-rated distance eyesight	Categ
5	S5DSIGHT	s5dsight:w5 s self-rated distance eyesight	Categ
6	S6DSIGHT	s6dsight:w6 s self-rated distance eyesight	Categ
7	S7DSIGHT	s7dsight:w7 s self-rated distance eyesight	Categ
8	S8DSIGHT	s8dsight:w8 s self-rated distance eyesight	Categ
9	S9DSIGHT	s9dsight:w9 s self-rated distance eyesight	Categ
1	R1NSIGHT	r1nsight:w1 r self-rated near eyesight	Categ
2	R2NSIGHT	r2nsight:w2 r self-rated near eyesight	Categ
3	R3NSIGHT	r3nsight:w3 r self-rated near eyesight	Categ
4	R4NSIGHT	r4nsight:w4 r self-rated near eyesight	Categ
5	R5NSIGHT	r5nsight:w5 r self-rated near eyesight	Categ
6	R6NSIGHT	r6nsight:w6 r self-rated near eyesight	Categ
7	R7NSIGHT	r7nsight:w7 r self-rated near eyesight	Categ
8	R8NSIGHT	r8nsight:w8 r self-rated near eyesight	Categ
9	R9NSIGHT	r9nsight:w9 r self-rated near eyesight	Categ
1	S1NSIGHT	s1nsight:w1 s self-rated near eyesight	Categ
2	S2NSIGHT	s2nsight:w2 s self-rated near eyesight	Categ
3	S3NSIGHT	s3nsight:w3 s self-rated near eyesight	Categ
4	S4NSIGHT	s4nsight:w4 s self-rated near eyesight	Categ
5	S5NSIGHT	s5nsight:w5 s self-rated near eyesight	Categ
6	S6NSIGHT	s6nsight:w6 s self-rated near eyesight	Categ
7	S7NSIGHT	s7nsight:w7 s self-rated near eyesight	Categ

8	S8NSIGHT	s8nsight:w8	s	self-rated near eyesight		Categ
9	S9NSIGHT	s9nsight:w9	s	self-rated near eyesight		Categ
1	R1CATRCTE	r1catrcte:w1	r	ever had cataract surgery		Categ
2	R2CATRCTE	r2catrcte:w2	r	ever had cataract surgery		Categ
3	R3CATRCTE	r3catrcte:w3	r	ever had cataract surgery		Categ
4	R4CATRCTE	r4catrcte:w4	r	ever had cataract surgery		Categ
5	R5CATRCTE	r5catrcte:w5	r	ever had cataract surgery		Categ
6	R6CATRCTE	r6catrcte:w6	r	ever had cataract surgery		Categ
7	R7CATRCTE	r7catrcte:w7	r	ever had cataract surgery		Categ
8	R8CATRCTE	r8catrcte:w8	r	ever had cataract surgery		Categ
9	R9CATRCTE	r9catrcte:w9	r	ever had cataract surgery		Categ
1	S1CATRCTE	s1catrcte:w1	s	ever had cataract surgery		Categ
2	S2CATRCTE	s2catrcte:w2	s	ever had cataract surgery		Categ
3	S3CATRCTE	s3catrcte:w3	s	ever had cataract surgery		Categ
4	S4CATRCTE	s4catrcte:w4	s	ever had cataract surgery		Categ
5	S5CATRCTE	s5catrcte:w5	s	ever had cataract surgery		Categ
6	S6CATRCTE	s6catrcte:w6	s	ever had cataract surgery		Categ
7	S7CATRCTE	s7catrcte:w7	s	ever had cataract surgery		Categ
8	S8CATRCTE	s8catrcte:w8	s	ever had cataract surgery		Categ
9	S9CATRCTE	s9catrcte:w9	s	ever had cataract surgery		Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SIGHT	12090	2.59	1.03	1.00	6.00
R2SIGHT	9426	2.56	0.99	1.00	6.00
R3SIGHT	9759	2.60	0.99	1.00	6.00
R4SIGHT	11042	2.53	0.99	1.00	6.00
R5SIGHT	10262	2.53	0.99	1.00	6.00
R6SIGHT	10592	2.55	0.99	1.00	6.00
R7SIGHT	9657	2.52	0.99	1.00	6.00
R8SIGHT	8438	2.54	0.99	1.00	6.00
R9SIGHT	8729	2.53	0.99	1.00	6.00
S1SIGHT	8062	2.51	1.00	1.00	6.00
S2SIGHT	6173	2.48	0.95	1.00	6.00
S3SIGHT	6382	2.51	0.95	1.00	6.00
S4SIGHT	7395	2.45	0.96	1.00	6.00
S5SIGHT	6957	2.46	0.94	1.00	6.00
S6SIGHT	7238	2.46	0.95	1.00	6.00
S7SIGHT	6553	2.44	0.94	1.00	6.00
S8SIGHT	5682	2.46	0.95	1.00	6.00
S9SIGHT	5817	2.44	0.96	1.00	6.00
R1DSIGHT	11911	2.26	1.03	1.00	6.00
R2DSIGHT	9299	2.31	0.99	1.00	6.00
R3DSIGHT	9531	2.32	0.97	1.00	6.00
R4DSIGHT	10602	2.24	0.98	1.00	6.00
R5DSIGHT	9738	2.27	0.96	1.00	6.00
R6DSIGHT	9993	2.31	0.97	1.00	6.00
R7DSIGHT	9070	2.27	0.97	1.00	6.00
R8DSIGHT	7986	2.30	0.97	1.00	6.00
R9DSIGHT	8193	2.29	0.96	1.00	6.00
S1DSIGHT	7939	2.19	0.98	1.00	6.00
S2DSIGHT	6076	2.24	0.95	1.00	6.00
S3DSIGHT	6226	2.26	0.92	1.00	6.00
S4DSIGHT	7065	2.18	0.93	1.00	6.00
S5DSIGHT	6546	2.21	0.91	1.00	6.00
S6DSIGHT	6748	2.24	0.93	1.00	6.00

S7DSIGHT	6073	2.18	0.92	1.00	6.00
S8DSIGHT	5312	2.23	0.93	1.00	6.00
S9DSIGHT	5360	2.23	0.93	1.00	6.00
R1NSIGHT	11911	2.44	1.03	1.00	6.00
R2NSIGHT	9299	2.45	0.99	1.00	6.00
R3NSIGHT	9531	2.48	0.98	1.00	6.00
R4NSIGHT	10602	2.39	0.99	1.00	6.00
R5NSIGHT	9737	2.40	0.97	1.00	6.00
R6NSIGHT	9992	2.43	0.98	1.00	6.00
R7NSIGHT	9073	2.37	0.97	1.00	6.00
R8NSIGHT	7985	2.41	0.97	1.00	6.00
R9NSIGHT	8193	2.41	0.97	1.00	6.00
S1NSIGHT	7939	2.37	0.99	1.00	6.00
S2NSIGHT	6076	2.39	0.96	1.00	6.00
S3NSIGHT	6226	2.41	0.95	1.00	6.00
S4NSIGHT	7065	2.32	0.95	1.00	6.00
S5NSIGHT	6545	2.33	0.92	1.00	6.00
S6NSIGHT	6747	2.37	0.93	1.00	6.00
S7NSIGHT	6074	2.31	0.93	1.00	6.00
S8NSIGHT	5311	2.34	0.94	1.00	6.00
S9NSIGHT	5360	2.34	0.94	1.00	6.00
R1CATRCTE	1588	0.50	0.50	0.00	1.00
R2CATRCTE	1641	0.47	0.50	0.00	1.00
R3CATRCTE	1792	0.44	0.50	0.00	1.00
R4CATRCTE	2203	0.41	0.49	0.00	1.00
R5CATRCTE	2374	0.43	0.50	0.00	1.00
R6CATRCTE	2775	0.42	0.49	0.00	1.00
R7CATRCTE	2900	0.42	0.49	0.00	1.00
R8CATRCTE	3065	0.41	0.49	0.00	1.00
R9CATRCTE	3186	0.41	0.49	0.00	1.00
S1CATRCTE	788	0.47	0.50	0.00	1.00
S2CATRCTE	795	0.44	0.50	0.00	1.00
S3CATRCTE	853	0.38	0.49	0.00	1.00
S4CATRCTE	1165	0.36	0.48	0.00	1.00
S5CATRCTE	1283	0.37	0.48	0.00	1.00
S6CATRCTE	1558	0.37	0.48	0.00	1.00
S7CATRCTE	1674	0.38	0.48	0.00	1.00
S8CATRCTE	1783	0.36	0.48	0.00	1.00
S9CATRCTE	1854	0.37	0.48	0.00	1.00

### Categorical Variable Codes

Value-----	R1SIGHT	R2SIGHT	R3SIGHT	R4SIGHT	R5SIGHT
.d:DK	5	5	4	3	7
.r:Refuse	4	1	3	5	5
1.excellent	1876	1375	1356	1718	1529
2.very good	3655	3072	3023	3693	3531
3.good	4620	3642	3919	4166	3821
4.fair	1448	1002	1111	1094	1027
5.poor	435	301	326	319	300
6.blind	56	34	24	52	54
Value-----	R6SIGHT	R7SIGHT	R8SIGHT	R9SIGHT	
.d:DK	6	9	6	6	
.r:Refuse	3		1	1	
1.excellent	1555	1467	1224	1339	
2.very good	3542	3285	2936	2939	
3.good	4083	3632	3156	3269	
4.fair	1038	969	798	895	
5.poor	320	256	287	252	

6.blind	54	48	37	35	
Value-----	S1SIGHT	S2SIGHT	S3SIGHT	S4SIGHT	S5SIGHT
.d:DK	4	4	1	3	4
.r:Refuse	4	1	1	4	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.excellent	1385	973	973	1244	1102
2.very good	2530	2127	2088	2597	2502
3.good	3080	2370	2565	2758	2609
4.fair	829	548	608	622	590
5.poor	214	141	137	150	132
6.blind	24	14	11	24	22
Value-----	S6SIGHT	S7SIGHT	S8SIGHT	S9SIGHT	
.d:DK	2	7	5	3	
.r:Refuse	2		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.excellent	1157	1085	917	983	
2.very good	2517	2361	2022	2081	
3.good	2805	2428	2130	2103	
4.fair	585	544	460	516	
5.poor	151	119	141	121	
6.blind	23	16	12	13	
Value-----	R1DSIGHT	R2DSIGHT	R3DSIGHT	R4DSIGHT	R5DSIGHT
.d:DK	12	3	3	3	7
.m:Missing		8			
.p:proxy	171	121	229	440	526
.r:Refuse	5	1	3	5	3
1.excellent	3043	2098	2033	2621	2177
2.very good	4275	3381	3456	3915	3756
3.good	3449	2974	3220	3228	3072
4.fair	752	569	582	586	514
5.poor	336	243	216	200	165
6.blind	56	34	24	52	54
Value-----	R6DSIGHT	R7DSIGHT	R8DSIGHT	R9DSIGHT	
.d:DK	3	6	1	2	
.p:proxy	602	590	458	540	
.r:Refuse	3			1	
1.excellent	2170	2086	1722	1829	
2.very good	3732	3450	3060	3001	
3.good	3264	2839	2527	2738	
4.fair	571	477	461	438	
5.poor	202	170	179	152	
6.blind	54	48	37	35	
Value-----	S1DSIGHT	S2DSIGHT	S3DSIGHT	S4DSIGHT	S5DSIGHT
.d:DK	7	3	1	3	4
.m:Missing		6			
.p:proxy	120	92	156	330	413
.r:Refuse	4	1	1	4	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.excellent	2179	1446	1412	1847	1523
2.very good	2894	2279	2319	2684	2623
3.good	2280	1931	2096	2113	2018
4.fair	410	292	291	307	287
5.poor	152	114	97	90	73
6.blind	24	14	11	24	22
Value-----	S6DSIGHT	S7DSIGHT	S8DSIGHT	S9DSIGHT	
.d:DK	2	4	1	1	
.p:proxy	490	483	375	459	
.r:Refuse	2				
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.excellent	1563	1506	1243	1277	
2.very good	2593	2418	2067	2021	

3.good	2172	1793	1641	1729	
4.fair	297	255	258	239	
5.poor	100	85	91	81	
6.blind	23	16	12	13	
Value-----	R1NSIGHT	R2NSIGHT	R3NSIGHT	R4NSIGHT	R5NSIGHT
.d:DK	12	3	3	3	7
.m:Missing		8			
.p:proxy	171	121	229	440	526
.r:Refuse	5	1	3	5	4
1.excellent	2301	1601	1565	2042	1751
2.very good	4064	3332	3290	3874	3664
3.good	4097	3285	3548	3569	3347
4.fair	999	770	816	801	702
5.poor	394	277	288	264	219
6.blind	56	34	24	52	54
Value-----	R6NSIGHT	R7NSIGHT	R8NSIGHT	R9NSIGHT	
.d:DK	4	3	2	2	
.p:proxy	602	590	458	540	
.r:Refuse	3			1	
1.excellent	1719	1710	1413	1500	
2.very good	3642	3398	2977	2905	
3.good	3573	3128	2793	2987	
4.fair	761	591	559	567	
5.poor	243	198	206	199	
6.blind	54	48	37	35	
Value-----	S1NSIGHT	S2NSIGHT	S3NSIGHT	S4NSIGHT	S5NSIGHT
.d:DK	7	3	1	3	5
.m:Missing		6			
.p:proxy	120	92	156	330	413
.r:Refuse	4	1	1	4	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.excellent	1675	1106	1103	1444	1238
2.very good	2724	2243	2204	2667	2551
3.good	2719	2125	2306	2341	2234
4.fair	616	449	470	467	402
5.poor	181	139	132	122	98
6.blind	24	14	11	24	22
Value-----	S6NSIGHT	S7NSIGHT	S8NSIGHT	S9NSIGHT	
.d:DK	3	3	2	1	
.p:proxy	490	483	375	459	
.r:Refuse	2				
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.excellent	1230	1224	1023	1060	
2.very good	2550	2371	2011	1956	
3.good	2386	2016	1831	1908	
4.fair	444	339	335	327	
5.poor	114	108	99	96	
6.blind	23	16	12	13	
Value-----	R1CATRCTE	R2CATRCTE	R3CATRCTE	R4CATRCTE	R5CATRCTE
.d:DK	12	10		6	1
.m:Missing				9	110
.r:Refuse	3	1		4	1
.x:does not have condition	10496	7780	7974	8828	7788
0.No	795	872	1009	1291	1355
1.Yes	793	769	783	912	1019
Value-----	R6CATRCTE	R7CATRCTE	R8CATRCTE	R9CATRCTE	
.d:DK	2				
.m:Missing	2		1		
.r:Refuse	1		1		
.x:does not have condition	7821	6766	5378	5550	
0.No	1604	1686	1803	1881	
1.Yes	1171	1214	1262	1305	

Value-----	S1CATRCTE	S2CATRCTE	S3CATRCTE	S4CATRCTE	S5CATRCTE
.d:DK	6	4		4	1
.m:Missing				9	67
.r:Refuse	3	1		4	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:does not have condition	7273	5378	5531	6220	5612
0.No	415	443	530	743	809
1.Yes	373	352	323	422	474

Value-----	S6CATRCTE	S7CATRCTE	S8CATRCTE	S9CATRCTE
.d:DK	1			
.m:Missing	1			
.r:Refuse	1		1	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.x:does not have condition	5681	4886	3904	3966
0.No	986	1043	1142	1167
1.Yes	572	631	641	687

## How Constructed

RwSIGHT indicates the respondent's self-rated eyesight while wearing glasses or corrective lenses as usual. Respondents are asked to rate their distance vision, and near vision while wearing glasses or corrective lenses as usual, these responses are coded in RwDSIGHT and RwNSIGHT, respectively. RwSIGHT, RwDSIGHT, and RwNSIGHT are coded as follows: 1.excellent, 2.very good, 3.good, 4.fair, 5.poor, 6.blind. If the respondent reports blindness for self-rated eyesight in RwSIGHT, then RwDSIGHT and RwNSIGHT are coded for blindness as well. Don't know, refused, or other missing responses of RwSIGHT, RwDSIGHT, and RwNSIGHT are assigned special missing codes .d, .r, and .m, respectively. Proxy respondents are not asked about distance or near vision, so RwDSIGHT and RwNSIGHT are assigned special missing .p. RwSIGHT, RwDSIGHT, and RwNSIGHT are set to plain missing (.) for respondents who did not participate in the current wave.

SwSIGHT, SwDSIGHT, and SwNSIGHT indicate the self-rated eyesight, distance vision, and near vision of the respondent's current wave's spouse, and are taken from RwSIGHT, RwDSIGHT, and RwNSIGHT. In addition to the special missing codes employed by RwSIGHT, RwDSIGHT, and RwNSIGHT, SwSIGHT, SwDSIGHT, and SwNSIGHT employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwCATRCTE indicates whether the respondent has ever reported having cataract surgery. RwCATRCTE is coded as 0.no, and 1.yes. Starting in Wave 6, if the respondent reports having cataracts but a doctor or optician has not recommended having the cataracts removed, then the respondent is not asked whether they have had cataract surgery and RwCATRCTE is assigned a 0.no value. Special missing .x is assigned if the respondent did not report ever having cataracts. Don't know, refused, or other missing responses of RwCATRCTE are assigned special missing codes .d, .r, and .m, respectively. RwCATRCTE is set to plain missing (.) for respondents who did not participate in the current wave.

SwCATRCTE indicates whether the respondent's current wave's spouse has ever had cataract surgery, and its values are taken from RwCATRCTE. In addition to the special missing codes employed by RwCATRCTE, SwCATRCTE employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Starting in Wave 6, if the respondent reports having cataracts but a doctor or optician has not recommended having the cataracts removed, then the respondent is not asked whether they have had cataract surgery and RwCATRCTE is assigned a 0.no value.

## Differences with the RAND HRS/Harmonized HRS

Unlike in the Harmonized HRS, RwDSIGHT and RwNSIGHT in the Harmonized ELSA employ a special missing .p if these questions were skipped because the interview was by proxy.



In the Harmonized HRS, RWCATRCTE includes a special missing code if the respondent was younger than age 65 and not asked the question.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1 whether interviewed by proxy  
 HECAT have you ever had cataract surgery?  
 HEEYE is your eyesight (using glasses or corrective lens as us  
 HEFRND how good is your eyesight for seeing things at a distanc  
 HEPAP how good is your eyesight for seeing things up close, li

### Wave 2 Core:

ASKPX1 Whether interviewed by proxy  
 HECAT Whether had cataract surgery  
 HEEYE Self-reported eyesight (while using lenses, if appropria  
 HEFRND Eyesight for recognition of friend across street  
 HEPAP Eyesight for reading ordinary newspaper print

### Wave 3 Core:

ASKPX whether respondent had a proxy interview  
 HECAT whether had cataract surgery  
 HEEYE self-reported eyesight (while using lenses, if appropria  
 HEFRND eyesight for recognition of friend across street  
 HEPAP eyesight for reading ordinary newspaper print

### Wave 4 Core:

ASKPX whether respondent had an interview by proxy  
 HECAT whether had cataract surgery  
 HEEYE self-reported eyesight (while using lenses, if appropria  
 HEFRND eyesight for recognition of friend across street  
 HEPAP eyesight for reading ordinary newspaper print

### Wave 5 Core:

ASKPX Whether respondent had an interview by proxy  
 HECAT Whether had cataract surgery  
 HEEYE Self-reported eyesight (while using lenses, if appropria  
 HEFRND Eyesight for recognition of friend across street  
 HEPAP Eyesight for reading ordinary newspaper print

### Wave 6 Core:

ASKPX whether respondent had an interview by proxy  
 HECAT whether had cataract surgery  
 HEEYE self-reported eyesight (while using lenses, if appropria  
 HEFRND eyesight for recognition of friend across street  
 HEPAP eyesight for reading ordinary newspaper print

### Wave 7 Core:

ASKPX whether respondent had an interview by proxy  
 HECAT whether had cataract surgery  
 HEEYE self-reported eyesight (while using lenses, if appropria  
 HEFRND eyesight for recognition of friend across street  
 HEPAP eyesight for reading ordinary newspaper print

### Wave 8 Core:

ASKPX computed: whether respondent had an interview by proxy  
 HECAT whether had cataract surgery  
 HEEYE self-reported eyesight (while using lenses, if appropria  
 HEFRND eyesight for recognition of friend across street  
 HEPAP eyesight for reading ordinary newspaper print

### Wave 9 Core:

ASKPX Computed: whether respondent had an interview by proxy  
 HECAT Whether had cataract surgery  
 HEEYE Self-reported eyesight (while using lenses, if appropria  
 HEFRND Eyesight for recognition of friend across street  
 HEPAP Eyesight for reading ordinary newspaper print

## Hearing

Wave	Variable	Label	Type
1	R1HEARING	r1hearing:w1 r self-rated hearing	Categ
2	R2HEARING	r2hearing:w2 r self-rated hearing	Categ
3	R3HEARING	r3hearing:w3 r self-rated hearing	Categ
4	R4HEARING	r4hearing:w4 r self-rated hearing	Categ
5	R5HEARING	r5hearing:w5 r self-rated hearing	Categ
6	R6HEARING	r6hearing:w6 r self-rated hearing	Categ
7	R7HEARING	r7hearing:w7 r self-rated hearing	Categ
8	R8HEARING	r8hearing:w8 r self-rated hearing	Categ
9	R9HEARING	r9hearing:w9 r self-rated hearing	Categ
1	S1HEARING	s1hearing:w1 s self-rated hearing	Categ
2	S2HEARING	s2hearing:w2 s self-rated hearing	Categ
3	S3HEARING	s3hearing:w3 s self-rated hearing	Categ
4	S4HEARING	s4hearing:w4 s self-rated hearing	Categ
5	S5HEARING	s5hearing:w5 s self-rated hearing	Categ
6	S6HEARING	s6hearing:w6 s self-rated hearing	Categ
7	S7HEARING	s7hearing:w7 s self-rated hearing	Categ
8	S8HEARING	s8hearing:w8 s self-rated hearing	Categ
9	S9HEARING	s9hearing:w9 s self-rated hearing	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HEARING	12088	2.53	1.16	1.00	5.00
R2HEARING	9428	2.58	1.13	1.00	5.00
R3HEARING	9761	2.60	1.12	1.00	5.00
R4HEARING	11041	2.58	1.11	1.00	5.00
R5HEARING	10263	2.61	1.10	1.00	5.00
R6HEARING	10594	2.62	1.11	1.00	5.00
R7HEARING	9663	2.64	1.10	1.00	5.00
R8HEARING	8440	2.70	1.10	1.00	5.00
R9HEARING	8731	2.65	1.09	1.00	5.00
S1HEARING	8061	2.50	1.15	1.00	5.00
S2HEARING	6174	2.56	1.13	1.00	5.00
S3HEARING	6382	2.55	1.12	1.00	5.00
S4HEARING	7395	2.53	1.10	1.00	5.00
S5HEARING	6956	2.58	1.10	1.00	5.00
S6HEARING	7239	2.59	1.10	1.00	5.00
S7HEARING	6558	2.61	1.10	1.00	5.00
S8HEARING	5684	2.66	1.11	1.00	5.00
S9HEARING	5817	2.62	1.10	1.00	5.00

### Categorical Variable Codes

Value-----	R1HEARING	R2HEARING	R3HEARING	R4HEARING	R5HEARING
.d:DK	7	3	3	4	6
.r:Refuse	4	1	2	5	5
1.excellent	2826	1914	1963	2163	1840
2.very good	3162	2575	2519	3047	2988
3.good	3549	2947	3202	3598	3293
4.fair	1933	1517	1610	1728	1636
5.poor	618	475	467	505	506

Value-----	R6HEARING	R7HEARING	R8HEARING	R9HEARING
.d:DK	2	3	4	4

.r:Refuse	5		1	1	
1.excellent	1947	1678	1342	1493	
2.very good	2914	2674	2292	2372	
3.good	3440	3225	2869	3028	
4.fair	1770	1573	1468	1403	
5.poor	523	513	469	435	
Value-----	S1HEARING	S2HEARING	S3HEARING	S4HEARING	S5HEARING
.d:DK	5	3	2	3	5
.r:Refuse	4	1		4	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.excellent	1962	1304	1373	1545	1301
2.very good	2101	1686	1646	2080	2057
3.good	2358	1942	2094	2366	2194
4.fair	1258	929	994	1099	1092
5.poor	382	313	275	305	312
Value-----	S6HEARING	S7HEARING	S8HEARING	S9HEARING	
.d:DK		2	3	3	
.r:Refuse	3		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.excellent	1382	1202	973	1046	
2.very good	2030	1851	1562	1609	
3.good	2345	2134	1884	1986	
4.fair	1147	1050	963	887	
5.poor	335	321	302	289	

## How Constructed

RwHEARING indicates the respondent's self-rated hearing. RwHEARING is coded as follows: 1.excellent, 2.very good, 3.good, 4.fair, 5.poor. RwHEARING is taken from a single question asking the respondent to rate their hearing while wearing a hearing aid or as usual. Don't know, refused, or other missing responses of RwHEARING are assigned special missing codes .d, .r, and .m, respectively.

SwHEARING indicates the self-rated hearing of the respondent's current wave's spouse, and is taken from RwHEARING. In addition to the special missing codes employed by RwHEARING, SwHEARING employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

Wave 1 Core:	
HEHEAR	is your hearing (using a hearing aid as usual) ...?
Wave 2 Core:	
HEHEAR	Self-reported hearing (while using hearing aid if approp
Wave 3 Core:	
HEHEAR	self-reported hearing (while using hearing aid if approp
Wave 4 Core:	
HEHEAR	self-reported hearing (while using hearing aid if approp
Wave 5 Core:	
HEHEAR	Self-reported hearing (while using hearing aid if approp
Wave 6 Core:	
HEHEAR	self-reported hearing (while using hearing aid if approp
Wave 7 Core:	

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HEHEAR	self-reported hearing (while using hearing aid if approp
Wave 8 Core:	
HEHEAR	self-reported hearing (while using hearing aid if approp
Wave 9 Core:	
HEHEAR	Self-reported hearing (while using hearing aid if approp

<b>Dental Health</b>
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Wave	Variable	Label	Type
3	R3NOTEETH	r3noteeth:w3 r lost all teeth	Categ
5	R5NOTEETH	r5noteeth:w5 r lost all teeth	Categ
3	S3NOTEETH	s3noteeth:w3 s lost all teeth	Categ
5	S5NOTEETH	s5noteeth:w5 s lost all teeth	Categ
3	R3DENTALH	r3dentalh:w3 r self-report of dental health	Categ
5	R5DENTALH	r5dentalh:w5 r self-report of dental health	Categ
7	R7DENTALH	r7dentalh:w7 r self-report of dental health	Categ
8	R8DENTALH	r8dentalh:w8 r self-report of dental health	Categ
9	R9DENTALH	r9dentalh:w9 r self-report of dental health	Categ
3	S3DENTALH	s3dentalh:w3 s self-report of dental health	Categ
5	S5DENTALH	s5dentalh:w5 s self-report of dental health	Categ
7	S7DENTALH	s7dentalh:w7 s self-report of dental health	Categ
8	S8DENTALH	s8dentalh:w8 s self-report of dental health	Categ
9	S9DENTALH	s9dentalh:w9 s self-report of dental health	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3NOTEETH	9760	0.16	0.37	0.00	1.00
R5NOTEETH	10263	0.13	0.34	0.00	1.00
S3NOTEETH	6383	0.11	0.32	0.00	1.00
S5NOTEETH	6955	0.10	0.30	0.00	1.00
R3DENTALH	9759	2.66	1.02	1.00	5.00
R5DENTALH	10262	2.63	1.02	1.00	5.00
R7DENTALH	9661	2.78	1.06	1.00	5.00
R8DENTALH	8437	2.79	1.07	1.00	5.00
R9DENTALH	8726	2.79	1.05	1.00	5.00
S3DENTALH	6383	2.61	1.01	1.00	5.00
S5DENTALH	6955	2.57	1.00	1.00	5.00
S7DENTALH	6558	2.70	1.06	1.00	5.00
S8DENTALH	5683	2.74	1.07	1.00	5.00
S9DENTALH	5815	2.72	1.04	1.00	5.00

### Categorical Variable Codes

Value-----	R3NOTEETH	R5NOTEETH
.d:DK	4	5
.r:Refuse	2	6
0.No	8198	8887
1.Yes	1562	1376
Value-----	S3NOTEETH	S5NOTEETH
.d:DK	1	5
.r:Refuse		4
.u:Unmar	2706	2742
.v:SP NR	676	568
0.No	5653	6251
1.Yes	730	704
Value-----	R3DENTALH	R5DENTALH
.d:DK	5	6

.r:Refuse			2		6
1.excellent			1366		1462
2.very good			2779		3169
3.good			3815		3808
4.fair			1368		1399
5.poor			431		424
Value-----	R7DENTALH	R8DENTALH	R9DENTALH		
.d:DK	5	6	8		
.r:Refuse		2	2		
1.excellent	1135	1032	979		
2.very good	2686	2236	2366		
3.good	3679	3242	3470		
4.fair	1495	1332	1333		
5.poor	666	595	578		
Value-----		S3DENTALH		S5DENTALH	
.d:DK		1		5	
.r:Refuse				4	
.u:Unmar		2706		2742	
.v:SP NR		676		568	
1.excellent		959		1067	
2.very good		1867		2213	
3.good		2497		2560	
4.fair		817		877	
5.poor		243		238	
Value-----	S7DENTALH	S8DENTALH	S9DENTALH		
.d:DK	2	3	4		
.r:Refuse		2	1		
.u:Unmar	2548	2255	2286		
.v:SP NR	558	502	630		
1.excellent	869	759	726		
2.very good	1911	1531	1656		
3.good	2473	2205	2288		
4.fair	909	824	816		
5.poor	396	364	329		

## How Constructed

RwNOTEETH indicates if the respondent has lost all of their teeth. RwNOTEETH is coded as 0.no if they report having both natural teeth and dentures or only natural teeth, and is coded as 1.yes if they report having no natural teeth and wear dentures or neither natural teeth nor dentures. This variable is available in Waves 3 and 5. Don't know, refused, or other missing responses of RwNOTEETH are assigned special missing codes .d, .r, and .m, respectively. RwNOTEETH is set to plain missing (.) for respondents who did not participate in the current wave.

SwNOTEETH indicate whether the respondent's current wave's spouse has lost all of their teeth, and is taken from RwNOTEETH. In addition to the special missing codes employed by RwNOTEETH, SwNOTEETH employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwDENTALH indicates the respondent's self-rated dental health (mouth, teeth and/or dentures) and is available in Waves 3, 5, 7, and onward. RwDENTALH is coded as follows: 1.excellent, 2.very good, 3.good, 4.fair, and 5.poor. Don't know, refused, or other missing responses of RwDENTALH are assigned special missing codes .d, .r, and .m, respectively. RwDENTALH is set to plain missing (.) for respondents who did not participate in the current wave.

SwDENTALH indicates the respondent's current wave's spouse's self-rating of their dental health (mouth, teeth and/or dentures), and is taken from RwDENTALH. In addition to the special missing codes employed by RwDENTALH, SwDENTALH employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Respondents are only asked about the status of their teeth in Waves 3 and 5. Respondents are asked for their self-rating of their dental health in Waves 3, 5, 7, and onward.

### Differences with the RAND HRS/Harmonized HRS

In HRS, respondents are asked whether they have lost all of their permanent teeth as a yes/no question. In ELSA, respondents are given the following options: has no natural teeth and wears dentures, has both natural teeth and dentures, has only natural teeth, has neither natural teeth nor dentures. Respondents who answered that they have no natural teeth and wear dentures, or have neither natural teeth nor dentures were categorized as having lost all of their permanent teeth.

### ELSA Variables Used

Wave 3 Core:

HEDENT            whether has own teeth  
HEDNTA           self-report of dental health

Wave 5 Core:

HEDENT           Whether has natural teeth, dentures or neither  
HEDNTA           Dental condition

Wave 7 Core:

HEDNTA           dental condition

Wave 8 Core:

HEDNTA           dental condition

Wave 9 Core:

HEDNTA           Dental condition

<b>Falls</b>
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Wave	Variable	Label	Type
1	R1FALL	r1fall:w1 r fallen down in last 2 years	Categ
2	R2FALL	r2fall:w2 r fallen down in last 2 years	Categ
3	R3FALL	r3fall:w3 r fallen down in last 2 years	Categ
5	R5FALL	r5fall:w5 r fallen down in last 2 years	Categ
6	R6FALL	r6fall:w6 r fallen down in last 2 years	Categ
7	R7FALL	r7fall:w7 r fallen down in last 2 years	Categ
8	R8FALL	r8fall:w8 r fallen down in last 2 years	Categ
9	R9FALL	r9fall:w9 r fallen down in last 2 years	Categ
1	S1FALL	s1fall:w1 s fallen down in last 2 years	Categ
2	S2FALL	s2fall:w2 s fallen down in last 2 years	Categ
3	S3FALL	s3fall:w3 s fallen down in last 2 years	Categ
5	S5FALL	s5fall:w5 s fallen down in last 2 years	Categ
6	S6FALL	s6fall:w6 s fallen down in last 2 years	Categ
7	S7FALL	s7fall:w7 s fallen down in last 2 years	Categ
8	S8FALL	s8fall:w8 s fallen down in last 2 years	Categ
9	S9FALL	s9fall:w9 s fallen down in last 2 years	Categ
4	R4FALL1Y	r4fall1y:w4 r fallen down in last year	Categ
4	S4FALL1Y	s4fall1y:w4 s fallen down in last year	Categ
1	R1FALLINJ	r1fallinj:w1 r injured from fall	Categ
2	R2FALLINJ	r2fallinj:w2 r injured from fall	Categ
3	R3FALLINJ	r3fallinj:w3 r injured from fall	Categ
4	R4FALLINJ	r4fallinj:w4 r injured from fall	Categ
5	R5FALLINJ	r5fallinj:w5 r injured from fall	Categ
6	R6FALLINJ	r6fallinj:w6 r injured from fall	Categ
7	R7FALLINJ	r7fallinj:w7 r injured from fall	Categ
8	R8FALLINJ	r8fallinj:w8 r injured from fall	Categ
9	R9FALLINJ	r9fallinj:w9 r injured from fall	Categ
1	S1FALLINJ	s1fallinj:w1 s injured from fall	Categ
2	S2FALLINJ	s2fallinj:w2 s injured from fall	Categ
3	S3FALLINJ	s3fallinj:w3 s injured from fall	Categ
4	S4FALLINJ	s4fallinj:w4 s injured from fall	Categ
5	S5FALLINJ	s5fallinj:w5 s injured from fall	Categ
6	S6FALLINJ	s6fallinj:w6 s injured from fall	Categ
7	S7FALLINJ	s7fallinj:w7 s injured from fall	Categ
8	S8FALLINJ	s8fallinj:w8 s injured from fall	Categ
9	S9FALLINJ	s9fallinj:w9 s injured from fall	Categ
1	R1FALLNUM	r1fallnum:w1 r number of falls	Cont
2	R2FALLNUM	r2fallnum:w2 r number of falls	Cont
3	R3FALLNUM	r3fallnum:w3 r number of falls	Cont
5	R5FALLNUM	r5fallnum:w5 r number of falls	Cont
6	R6FALLNUM	r6fallnum:w6 r number of falls	Cont
7	R7FALLNUM	r7fallnum:w7 r number of falls	Cont
8	R8FALLNUM	r8fallnum:w8 r number of falls	Cont
9	R9FALLNUM	r9fallnum:w9 r number of falls	Cont
1	S1FALLNUM	s1fallnum:w1 s number of falls	Cont
2	S2FALLNUM	s2fallnum:w2 s number of falls	Cont
3	S3FALLNUM	s3fallnum:w3 s number of falls	Cont
5	S5FALLNUM	s5fallnum:w5 s number of falls	Cont
6	S6FALLNUM	s6fallnum:w6 s number of falls	Cont
7	S7FALLNUM	s7fallnum:w7 s number of falls	Cont



8	S8FALLNUM	s8fallnum:w8	s	number of falls	Cont
9	S9FALLNUM	s9fallnum:w9	s	number of falls	Cont
4	R4FALLNUM1Y	r4fallnumly:w4	r	number of falls in last year	Cont
4	S4FALLNUM1Y	s4fallnumly:w4	s	number of falls in last year	Cont
1	R1FALLEQ	r1falleq:w1	r	uses equipment for falls	Categ
2	R2FALLEQ	r2falleq:w2	r	uses equipment for falls	Categ
3	R3FALLEQ	r3falleq:w3	r	uses equipment for falls	Categ
4	R4FALLEQ	r4falleq:w4	r	uses equipment for falls	Categ
5	R5FALLEQ	r5falleq:w5	r	uses equipment for falls	Categ
6	R6FALLEQ	r6falleq:w6	r	uses equipment for falls	Categ
7	R7FALLEQ	r7falleq:w7	r	uses equipment for falls	Categ
8	R8FALLEQ	r8falleq:w8	r	uses equipment for falls	Categ
9	R9FALLEQ	r9falleq:w9	r	uses equipment for falls	Categ
1	S1FALLEQ	s1falleq:w1	s	uses equipment for falls	Categ
2	S2FALLEQ	s2falleq:w2	s	uses equipment for falls	Categ
3	S3FALLEQ	s3falleq:w3	s	uses equipment for falls	Categ
4	S4FALLEQ	s4falleq:w4	s	uses equipment for falls	Categ
5	S5FALLEQ	s5falleq:w5	s	uses equipment for falls	Categ
6	S6FALLEQ	s6falleq:w6	s	uses equipment for falls	Categ
7	S7FALLEQ	s7falleq:w7	s	uses equipment for falls	Categ
8	S8FALLEQ	s8falleq:w8	s	uses equipment for falls	Categ
9	S9FALLEQ	s9falleq:w9	s	uses equipment for falls	Categ
2	R2HIP	r2hip:w2	r	fractured hip last 2 years	Categ
3	R3HIP	r3hip:w3	r	fractured hip last 2 years	Categ
4	R4HIP	r4hip:w4	r	fractured hip last 2 years	Categ
5	R5HIP	r5hip:w5	r	fractured hip last 2 years	Categ
6	R6HIP	r6hip:w6	r	fractured hip last 2 years	Categ
7	R7HIP	r7hip:w7	r	fractured hip last 2 years	Categ
8	R8HIP	r8hip:w8	r	fractured hip last 2 years	Categ
9	R9HIP	r9hip:w9	r	fractured hip last 2 years	Categ
2	S2HIP	s2hip:w2	s	fractured hip last 2 years	Categ
3	S3HIP	s3hip:w3	s	fractured hip last 2 years	Categ
4	S4HIP	s4hip:w4	s	fractured hip last 2 years	Categ
5	S5HIP	s5hip:w5	s	fractured hip last 2 years	Categ
6	S6HIP	s6hip:w6	s	fractured hip last 2 years	Categ
7	S7HIP	s7hip:w7	s	fractured hip last 2 years	Categ
8	S8HIP	s8hip:w8	s	fractured hip last 2 years	Categ
9	S9HIP	s9hip:w9	s	fractured hip last 2 years	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1FALL	6919	0.32	0.47	0.00	1.00
R2FALL	6143	0.33	0.47	0.00	1.00
R3FALL	5730	0.31	0.46	0.00	1.00
R5FALL	7143	0.29	0.45	0.00	1.00
R6FALL	7236	0.28	0.45	0.00	1.00
R7FALL	6958	0.27	0.44	0.00	1.00
R8FALL	6712	0.28	0.45	0.00	1.00
R9FALL	6279	0.28	0.45	0.00	1.00
S1FALL	4141	0.26	0.44	0.00	1.00
S2FALL	3689	0.29	0.45	0.00	1.00
S3FALL	3368	0.27	0.44	0.00	1.00
S5FALL	4540	0.26	0.44	0.00	1.00
S6FALL	4694	0.26	0.44	0.00	1.00

S7FALL	4497	0.23	0.42	0.00	1.00
S8FALL	4362	0.25	0.43	0.00	1.00
S9FALL	4029	0.25	0.43	0.00	1.00
R4FALL1Y	7014	0.26	0.44	0.00	1.00
S4FALL1Y	4359	0.24	0.43	0.00	1.00
R1FALLINJ	2188	0.38	0.48	0.00	1.00
R2FALLINJ	2022	0.35	0.48	0.00	1.00
R3FALLINJ	1757	0.34	0.47	0.00	1.00
R4FALLINJ	1849	0.27	0.44	0.00	1.00
R5FALLINJ	2041	0.28	0.45	0.00	1.00
R6FALLINJ	2036	0.28	0.45	0.00	1.00
R7FALLINJ	1862	0.29	0.45	0.00	1.00
R8FALLINJ	1867	0.30	0.46	0.00	1.00
R9FALLINJ	1739	0.31	0.46	0.00	1.00
S1FALLINJ	1097	0.36	0.48	0.00	1.00
S2FALLINJ	1065	0.33	0.47	0.00	1.00
S3FALLINJ	892	0.29	0.46	0.00	1.00
S4FALLINJ	1043	0.24	0.43	0.00	1.00
S5FALLINJ	1173	0.25	0.43	0.00	1.00
S6FALLINJ	1229	0.25	0.43	0.00	1.00
S7FALLINJ	1051	0.26	0.44	0.00	1.00
S8FALLINJ	1088	0.26	0.44	0.00	1.00
S9FALLINJ	1013	0.28	0.45	0.00	1.00
R1FALLNUM	6894	1.14	8.92	0.00	400.00
R2FALLNUM	6119	1.06	8.85	0.00	400.00
R3FALLNUM	5706	0.94	6.52	0.00	300.00
R5FALLNUM	7128	0.80	7.26	0.00	400.00
R6FALLNUM	7228	0.85	7.54	0.00	365.00
R7FALLNUM	6941	0.75	5.18	0.00	201.00
R8FALLNUM	6702	0.83	6.34	0.00	400.00
R9FALLNUM	6269	0.76	6.17	0.00	365.00
S1FALLNUM	4130	0.95	7.78	0.00	300.00
S2FALLNUM	3674	0.93	6.31	0.00	250.00
S3FALLNUM	3359	0.90	7.55	0.00	300.00
S5FALLNUM	4531	0.71	5.99	0.00	300.00
S6FALLNUM	4691	0.85	8.68	0.00	365.00
S7FALLNUM	4492	0.67	5.23	0.00	201.00
S8FALLNUM	4359	0.79	7.34	0.00	400.00
S9FALLNUM	4025	0.78	7.56	0.00	365.00
R4FALLNUM1Y	7003	0.73	4.21	0.00	200.00
S4FALLNUM1Y	4356	0.69	3.80	0.00	105.00
R1FALLEQ	6896	0.04	0.20	0.00	1.00
R2FALLEQ	5679	0.03	0.16	0.00	1.00
R3FALLEQ	5503	0.04	0.18	0.00	1.00
R4FALLEQ	6210	0.03	0.18	0.00	1.00
R5FALLEQ	5847	0.04	0.20	0.00	1.00
R6FALLEQ	10595	0.02	0.14	0.00	1.00
R7FALLEQ	9664	0.03	0.16	0.00	1.00
R8FALLEQ	8444	0.03	0.17	0.00	1.00
R9FALLEQ	8733	0.03	0.16	0.00	1.00
S1FALLEQ	4242	0.01	0.11	0.00	1.00
S2FALLEQ	3442	0.01	0.08	0.00	1.00
S3FALLEQ	3254	0.01	0.10	0.00	1.00

S4FALLEQ	3774	0.01	0.09	0.00	1.00
S5FALLEQ	3589	0.01	0.10	0.00	1.00
S6FALLEQ	7239	0.00	0.07	0.00	1.00
S7FALLEQ	6558	0.01	0.09	0.00	1.00
S8FALLEQ	5687	0.01	0.10	0.00	1.00
S9FALLEQ	5817	0.01	0.09	0.00	1.00
R2HIP	6145	0.01	0.09	0.00	1.00
R3HIP	5904	0.01	0.09	0.00	1.00
R4HIP	7316	0.01	0.09	0.00	1.00
R5HIP	7525	0.01	0.09	0.00	1.00
R6HIP	7657	0.01	0.09	0.00	1.00
R7HIP	7401	0.01	0.09	0.00	1.00
R8HIP	7092	0.01	0.09	0.00	1.00
R9HIP	6666	0.01	0.09	0.00	1.00
S2HIP	3690	0.01	0.07	0.00	1.00
S3HIP	3471	0.01	0.07	0.00	1.00
S4HIP	4555	0.00	0.06	0.00	1.00
S5HIP	4807	0.00	0.07	0.00	1.00
S6HIP	4997	0.00	0.07	0.00	1.00
S7HIP	4832	0.01	0.07	0.00	1.00
S8HIP	4655	0.01	0.08	0.00	1.00
S9HIP	4331	0.01	0.09	0.00	1.00

### Categorical Variable Codes

Value-----	R1FALL	R2FALL	R3FALL	R5FALL
.a:not asked due to age	4853	3186	3856	2739
.d:DK	11	3	5	5
.m:Missing		6	3	1
.p:proxy	127	91	172	384
.r:Refuse	189	3		2
0.No	4731	4121	3972	5101
1.Yes	2188	2022	1758	2042

Value-----	R6FALL	R7FALL	R8FALL	R9FALL
.a:not asked due to age	2937	2257	1344	2067
.d:DK	3	1	4	1
.m:Missing			4	2
.p:proxy	421	444	381	386
.r:Refuse	4	6		1
0.No	5198	5095	4845	4538
1.Yes	2038	1863	1867	1741

Value-----	S1FALL	S2FALL	S3FALL	S5FALL
.a:not asked due to age	3703	2419	2911	2149
.d:DK	6	1	1	4
.m:Missing		4	2	
.p:proxy	80	62	102	270
.r:Refuse	140	3		1
.u:Unmar	3561	2671	2706	2742
.v:SP NR	468	583	676	568
0.No	3044	2624	2475	3367
1.Yes	1097	1065	893	1173

Value-----	S6FALL	S7FALL	S8FALL	S9FALL
.a:not asked due to age	2241	1722	1027	1489
.d:DK	2	1	2	1
.m:Missing			2	
.p:proxy	302	335	295	301
.r:Refuse	3	5		
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.No	3465	3446	3274	3015
1.Yes	1229	1051	1088	1014

Value-----				R4FALL1Y	
.a:not asked due to age				3729	
.d:DK				6	
.m:Missing				1	
.p:proxy				300	
0.No				5165	
1.Yes				1849	
Value-----				S4FALL1Y	
.a:not asked due to age				2843	
.d:DK				4	
.p:proxy				196	
.u:Unmar				2932	
.v:SP NR				716	
0.No				3316	
1.Yes				1043	
Value-----	R1FALLINJ	R2FALLINJ	R3FALLINJ	R4FALLINJ	R5FALLINJ
.a:not asked due to age	4853	3186	3856	3729	2739
.d:DK	11	3	6	6	6
.m:Missing		6	3	1	1
.p:proxy	127	91	172	300	384
.r:Refuse	189	3			2
.x:no falls	4731	4121	3972	5165	5101
0.No	1366	1318	1163	1353	1478
1.Yes	822	704	594	496	563
Value-----	R6FALLINJ	R7FALLINJ	R8FALLINJ	R9FALLINJ	
.a:not asked due to age	2937	2257	1344	2067	
.d:DK	5	2	4	3	
.m:Missing			4	2	
.p:proxy	421	444	381	386	
.r:Refuse	4	6		1	
.x:no falls	5198	5095	4845	4538	
0.No	1460	1324	1311	1207	
1.Yes	576	538	556	532	
Value-----	S1FALLINJ	S2FALLINJ	S3FALLINJ	S4FALLINJ	S5FALLINJ
.a:not asked due to age	3703	2419	2911	2843	2149
.d:DK	6	1	2	4	4
.m:Missing		4	2		
.p:proxy	80	62	102	196	270
.r:Refuse	140	3			1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:no falls	3044	2624	2475	3316	3367
0.No	700	713	631	793	878
1.Yes	397	352	261	250	295
Value-----	S6FALLINJ	S7FALLINJ	S8FALLINJ	S9FALLINJ	
.a:not asked due to age	2241	1722	1027	1489	
.d:DK	2	1	2	2	
.m:Missing			2		
.p:proxy	302	335	295	301	
.r:Refuse	3	5			
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.x:no falls	3465	3446	3274	3015	
0.No	920	775	800	727	
1.Yes	309	276	288	286	
Value-----	R1FALLEQ	R2FALLEQ	R3FALLEQ	R4FALLEQ	R5FALLEQ
.d:DK	13	3		3	3
.m:Missing			8		
.p:proxy	175				
.r:Refuse	4	2		7	6
.x:does not have condition	5011	3748	4255	4830	4418
0.No	6596	5534	5309	5994	5601
1.Yes	300	145	194	216	246

Value-----	R6FALLEQ	R7FALLEQ	R8FALLEQ	R9FALLEQ	
.d:DK	2	1		3	
.r:Refuse	4	1	1		
0.No	10377	9418	8202	8494	
1.Yes	218	246	242	239	
Value-----	S1FALLEQ	S2FALLEQ	S3FALLEQ	S4FALLEQ	S5FALLEQ
.d:DK	9	2		2	3
.m:Missing			4		
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:does not have condition	3694	2733	3126	3620	3368
0.No	4186	3418	3220	3746	3550
1.Yes	56	24	34	28	39
Value-----	S6FALLEQ	S7FALLEQ	S8FALLEQ	S9FALLEQ	
.d:DK		1		3	
.r:Refuse	3	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	7208	6506	5633	5767	
1.Yes	31	52	54	50	
Value-----		R2HIP	R3HIP	R4HIP	R5HIP
.a:not asked due to age		3186	3856	3729	2739
.d:DK		1	1	4	5
.m:Missing		6	5	1	1
.p:proxy		91			
.r:Refuse		3			4
0.No		6096	5853	7259	7467
1.Yes		49	51	57	58
Value-----	R6HIP	R7HIP	R8HIP	R9HIP	
.a:not asked due to age	2937	2257	1344	2067	
.d:DK	3	1	3		
.m:Missing			5	2	
.r:Refuse	4	7	1	1	
0.No	7592	7338	7033	6607	
1.Yes	65	63	59	59	
Value-----		S2HIP	S3HIP	S4HIP	S5HIP
.a:not asked due to age		2419	2911	2843	2149
.d:DK				4	5
.m:Missing		4	2		
.p:proxy		62			
.r:Refuse		3			3
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.No		3671	3453	4537	4783
1.Yes		19	18	18	24
Value-----	S6HIP	S7HIP	S8HIP	S9HIP	
.a:not asked due to age	2241	1722	1027	1489	
.d:DK	1	1	3		
.m:Missing			2		
.r:Refuse	3	5	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	4975	4806	4628	4299	
1.Yes	22	26	27	32	

## How Constructed

RwFALL indicates whether the respondent has fallen down in the last 2 years. RwFALL is coded as 0.no, and 1.yes. In Wave 3, respondents are asked if they have fallen down and do not specify a timeframe, so we are assuming a timeframe of the last 2 years. RwFALL is assigned special missing .p if the question was skipped because the interview was by proxy. Respondents younger than age 60 are not asked about falling and are assigned special missing .a. Don't know, refused, or other missing responses of RwFALL are

assigned special missing codes .d, .r, and .m, respectively. RwfALL is set to plain missing (.) for respondents who did not participate in the current wave.

SwFALL indicates whether the respondent's current wave's spouse has fallen in the last 2 years, and is taken from RwfALL. In addition to the special missing codes employed by RwfALL, SwFALL employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwfALL1Y indicates whether the respondent has fallen down in the last year and is available only in Wave 4. RwfALL1Y is coded as 0.no, and 1.yes. RwfALL1Y is assigned special missing .p if the question was skipped because the interview was by proxy. Respondents younger than age 60 are not asked about falling and are assigned special missing .a. Don't know, refused, or other missing responses of RwfALL1Y are assigned special missing codes .d, .r, and .m, respectively. RwfALL1Y is set to plain missing (.) for respondents who did not participate in the current wave.

SwFALL1Y indicates whether the respondent's current wave's spouse has fallen in the last year, and is taken from RwfALL1Y. In addition to the special missing codes employed by RwfALL1Y, SwFALL1Y employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwfALLINJ indicates whether the respondent has ever been injured seriously enough to need medical treatment. RwfALLINJ is coded as 0.no, and 1.yes. RwfALLINJ is assigned special missing .p if the question was skipped because the interview was by proxy. RwfALLINJ is assigned a special missing .x if the question was skipped because the respondent has not fallen down in the last two years. Respondents younger than age 60 are not asked about falling and are assigned special missing .a. Don't know, refused, or other missing responses of RwfALLINJ are assigned special missing codes .d, .r, and .m, respectively. RwfALLINJ is set to plain missing (.) for respondents who did not participate in the current wave.

SwFALLINJ indicates whether the respondent's current wave's spouse has injured himself/herself in a fall, and is taken from RwfALLINJ. In addition to the special missing codes employed by RwfALLINJ, SwFALLINJ employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwfALLNUM indicates the number of times the respondent has fallen down in the last 2 years. RwfALLNUM is assigned a 0 if the respondent did not experience a fall in the previous two years. RwfALLNUM is assigned special missing .p if the question was skipped because the interview was by proxy. Respondents younger than age 60 are not asked about falling and are assigned special missing .a. Don't know, refused, or other missing responses of RwfALLNUM are assigned special missing codes .d, .r, and .m, respectively. RwfALLNUM is set to plain missing (.) for respondents who did not participate in the current wave.

SwFALLNUM indicates the number of times the respondent's current wave's spouse has fallen in the last 2 years, and is taken from RwfALLNUM. In addition to the special missing codes employed by RwfALLNUM, SwFALLNUM employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwfALLNUM1Y indicates the number of times the respondent has fallen down in the last year and is only available in Wave 4. RwfALLNUM1Y is assigned a 0 if the respondent did not experience a fall in the previous year. RwfALLNUM1Y is assigned special missing .p if the question was skipped because the interview was by proxy. Respondents younger than age 60 are not asked about falling and are assigned special missing .a. Don't know, refused, or other missing responses of RwfALLNUM1Y are assigned special missing codes .d, .r, and .m, respectively. RwfALLNUM1Y is set to plain missing (.) for respondents who did not participate in the current wave.

SwFALLNUM1Y indicates the number of times the respondent's current wave's spouse has fallen in the last year, and is taken from RwfALLNUM1Y. In addition to the special missing codes employed by RwfALLNUM1Y, SwFALLNUM1Y employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwFALLEQ indicates if the respondent uses a personal alarm to call for assistance after falls. RwFALLEQ is coded as 0.no, and 1.yes. In Wave 1, RwFALLEQ is assigned special missing .p if the question was skipped because the interview was by proxy. In Waves 1 through 5, RwFALLEQ is assigned special missing .x if the respondent has no difficulty with any ADLs, IADLs, or mobility activities and so is not asked what personal aids they use. Starting in Wave 6, this question is asked to all respondents regardless of any ADL, IADL, or mobility difficulties. Don't know, refused, or other missing responses of RwFALLEQ are assigned special missing codes .d, .r, and .m, respectively. RwFALLEQ is set to plain missing (.) for respondents who did not participate in the current wave.

SwFALLEQ indicates if the respondent's current wave's spouse uses a personal alarm to call for assistance after falls, and is taken from RwFALLEQ. In addition to the special missing codes employed by RwFALLEQ, SwFALLEQ employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwHIP indicates if the respondent has fractured their hip since the date of the last interview. RwHIP is coded as 0.no, and 1.yes. This variable is available starting in Wave 2. Respondents younger than age 60 are not asked about hip fractures and are assigned special missing .a. Don't know, refused, or other missing responses of RwHIP are assigned special missing codes .d, .r, and .m, respectively. RwHIP is set to plain missing (.) for respondents who did not participate in the current wave.

SwHIP indicates if the respondent's current wave's spouse has fractured their hip. In addition to the special missing codes employed by RwHIP, SwHIP employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

RwFALL is available starting in Wave 1 (excluding Wave 4), where questions about falling use a time period of two years. In Wave 3, a time period is not specified and we assume the respondents were asked about falls in the last two years.

RwFALL1Y and RwFALLNUM1Y are only available in Wave 4, where the questions about falling uses a time frame of one year.

In Waves 1 through 5, respondents are asked about the use of a personal alarm to call for assistance after falls if they reporting having an ADL, IADL, or mobility difficulty. Starting in Wave 6, respondents are asked about the use of a personal alarm to call for assistance after falls regardless of any ADL, IADL, or mobility difficulties.

Questions about hip fractures begin in Wave 2, and so RwHIP is available starting in Wave 2.

## Differences with the RAND HRS/Harmonized HRS

HRS limits questions about falls to respondents aged 65 and older. ELSA limits questions about falls to respondents aged 60 years and older.

## ELSA Variables Used

Wave 1 Core:

ASKPX1	whether interviewed by proxy
HEADA01	because of a health problem, do you have any difficultie
HEADB01	because of a health or memory problem, do you have any
HEAID1	do you use any of the following...? {aids} 1st {excl pers
HEAID2	do you use any of the following...? {aids} 2nd
HEAID3	do you use any of the following...? {aids} 3rd
HEAID4	do you use any of the following...? {aids} 4th
HEAID5	do you use any of the following...? {aids} 5th
HEAID6	do you use any of the following...? {aids} 6th
HEAID7	do you use any of the following...? {aids} 7th
HEAID8	do you use any of the following...? {aids} 8th

HEFLA	have you fallen down in the last two years (for any reas
HEFLB	how many times have you fallen down in the last two year
HEFLC	in [that fall/any of the falls] did you injure yourself
INDAGER	age variable combined info from hh grid and individual d
Wave 2 Core:	
ASKPX1	Whether interviewed by proxy
HEADA01	ADL: activity has problem with due to health/physical pr
HEADB01	IADL: activity has problem with due to health/physical p
HEAID1	Walking aids used (disability) (1st mention)
HEAID10	Walking aids used (2nd mention) (balance)
HEAID11	Walking aids used (3rd mention) (balance)
HEAID12	Walking aids used (4th mention) (balance)
HEAID17	Walking aids used (1st mention) (for ADL-IADL)
HEAID18	Walking aids used (2nd mention) (for ADL-IADL)
HEAID19	Walking aids used (3rd mention) (for ADL-IADL)
HEAID2	Walking aids used (disability) (2nd mention)
HEAID20	Walking aids used (4th mention) (for ADL-IADL)
HEAID21	Walking aids used (5th mention) (for ADL-IADL)
HEAID22	Walking aids used (6th mention) (for ADL-IADL)
HEAID3	Walking aids used (disability) (3rd mention)
HEAID4	Walking aids used (disability) (4th mention)
HEAID5	Walking aids used (disability) (5th mention)
HEAID9	Walking aids used (1st mention) (balance)
HEFLA	Whether fallen down
HEFLB	Number times have fallen down
HEFLC	Fall: whether injured seriously enough to need medical t
HEFRAC	Whether fractured hip
INDAGER	Definitive age variable collapsed at 90 plus. Priority:
Wave 3 Core:	
ASKPX	whether respondent had a proxy interview
HEADL96	adl&iadl: whether said had none of listed difficulties
HEAIDAL	aids used: personal alarm
HEFLA	whether fallen down
HEFLB	number times have fallen down
HEFLC	fall: whether injured seriously enough to need medical t
HEFRAC	whether fractured hip
HEMOB96	mobility: whether said had none of listed difficulties
INDAGER	definitive age variable collapsed at 90 plus. priority:
Wave 4 Core:	
ASKPX	whether respondent had an interview by proxy
HEADL96	adl&iadl: whether said had none of listed difficulties
HEAIDAL	aids used: personal alarm
HEFLA	whether fallen down in the last year
HEFLB	number times have fallen down in the past year
HEFLC	fall: whether injured seriously enough to need medical t
HEFRAC	whether fractured hip in last two years
HEMOB96	mobility: whether said had none of listed difficulties
INDAGER	definitive age variable collapsed at 90 plus. priority:
Wave 5 Core:	
ASKPX	Whether respondent had an interview by proxy
HEADL96	ADL&IADL: whether said had none of listed difficulties
HEAIDAL	Aids used: personal alarm
HEFLA	Whether fallen down
HEFLB	Number times have fallen down
HEFLC	Fall: whether injured seriously enough to need medical t
HEFRAC	Whether fractured hip
HEMOB96	Mobility: whether said had none of listed difficulties
INDAGER	Definitive age variable collapsed at 90+ to avoid disclo
Wave 6 Core:	
ASKPX	whether respondent had an interview by proxy
HEAIDAL	aids used: personal alarm
HEFLA	whether fallen down
HEFLB	number times have fallen down



HEFLC	fall: whether injured seriously enough to need medical t
HEFRAC	whether fractured hip
INDAGER	definitive age variable collapsed at 90+ to avoid disclo
Wave 7 Core:	
ASKPX	whether respondent had an interview by proxy
HEAIDAL	aids used: personal alarm
HEFLA	whether fallen down
HEFLB	number times have fallen down
HEFLC	fall: whether injured seriously enough to need medical t
HEFRAC	whether fractured hip
INDAGER	definitive age variable collapsed at 90+ to avoid disclo
Wave 8 Core:	
ASKPX	computed: whether respondent had an interview by proxy
HEAIDAL	aids used: personal alarm
HEFLA	whether fallen down since last interview
HEFLB	number times have fallen down
HEFLC	fall: whether injured seriously enough to need medical t
HEFRAC	whether has fractured hip
INDAGER	(d) definitive age variable collapsed at 90+: priority d
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy
HEAIDAL	Aids used: personal alarm
HEFLA	Whether fallen down since last interview
HEFLB	Number times have fallen down
HEFLC	Fall: whether injured seriously enough to need medical t
HEFRAC	Whether has fractured hip
INDAGER	(D) Definitive age variable collapsed at 90+: priority d

<b>Sleep</b>
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Wave	Variable	Label	Type
4	R4FALLSLP_E	r4fallslp_e:w4 r trouble falling asleep	Categ
6	R6FALLSLP_E	r6fallslp_e:w6 r trouble falling asleep	Categ
8	R8FALLSLP_E	r8fallslp_e:w8 r trouble falling asleep	Categ
4	S4FALLSLP_E	s4fallslp_e:w4 s trouble falling asleep	Categ
6	S6FALLSLP_E	s6fallslp_e:w6 s trouble falling asleep	Categ
8	S8FALLSLP_E	s8fallslp_e:w8 s trouble falling asleep	Categ
6	R6WAKENT_E	r6wakent_e:w6 r waking up during night	Categ
8	R8WAKENT_E	r8wakent_e:w8 r waking up during night	Categ
6	S6WAKENT_E	s6wakent_e:w6 s waking up during night	Categ
8	S8WAKENT_E	s8wakent_e:w8 s waking up during night	Categ
6	R6WAKEUP_E	r6wakeup_e:w6 r waking up too early	Categ
8	R8WAKEUP_E	r8wakeup_e:w8 r waking up too early	Categ
6	S6WAKEUP_E	s6wakeup_e:w6 s waking up too early	Categ
8	S8WAKEUP_E	s8wakeup_e:w8 s waking up too early	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R4FALLSLP_E	10594	1.83	1.15	1.00	4.00
R6FALLSLP_E	9979	1.85	1.14	1.00	4.00
R8FALLSLP_E	7980	1.89	1.14	1.00	4.00
S4FALLSLP_E	7061	1.76	1.12	1.00	4.00
S6FALLSLP_E	6743	1.81	1.12	1.00	4.00
S8FALLSLP_E	5312	1.83	1.11	1.00	4.00
R6WAKENT_E	9980	2.94	1.22	1.00	4.00
R8WAKENT_E	7982	2.98	1.21	1.00	4.00
S6WAKENT_E	6743	2.92	1.22	1.00	4.00
S8WAKENT_E	5313	2.98	1.20	1.00	4.00
R6WAKEUP_E	9973	2.55	1.87	1.00	6.00
R8WAKEUP_E	7979	2.61	1.87	1.00	6.00
S6WAKEUP_E	6740	2.48	1.81	1.00	6.00
S8WAKEUP_E	5312	2.55	1.83	1.00	6.00

### Categorical Variable Codes

Value	R4FALLSLP_E
.d:DK	5
.p:proxy	446
.r:Refuse	5
1.Not during the last month	6394
2.Less than once a week	1292
3.Once or twice a week	1202
4.Three or more times a wee	1706

Value	R6FALLSLP_E	R8FALLSLP_E
.d:DK	4	2

.p:proxy	614	463	
.r:Refuse	4		
1.Not during the last month	5803	4456	
2.Less than once a week	1455	1211	
3.Once or twice a week	1135	1067	
4.Three or more times a wee	1586	1246	
Value-----			S4FALLSLP_E
.d:DK			4
.p:proxy			333
.r:Refuse			4
.u:Unmar			2932
.v:SP NR			716
1.Not during the last month			4456
2.Less than once a week			820
3.Once or twice a week			798
4.Three or more times a wee			987
Value-----	S6FALLSLP_E	S8FALLSLP_E	
.d:DK	2	1	
.p:proxy	494	375	
.r:Refuse	3		
.u:Unmar	2802	2255	
.v:SP NR	557	502	
1.Not during the last month	4015	3058	
2.Less than once a week	991	831	
3.Once or twice a week	763	691	
4.Three or more times a wee	974	732	
Value-----	R6WAKENT_E	R8WAKENT_E	
.d:DK	3		
.p:proxy	614	463	
.r:Refuse	4		
1.Not during the last month	2221	1673	
2.Less than once a week	1095	871	
3.Once or twice a week	1753	1358	
4.Three or more times a wee	4911	4080	
Value-----	S6WAKENT_E	S8WAKENT_E	
.d:DK	2		
.p:proxy	494	375	
.r:Refuse	3		
.u:Unmar	2802	2255	
.v:SP NR	557	502	
1.Not during the last month	1508	1085	
2.Less than once a week	782	600	
3.Once or twice a week	1222	957	
4.Three or more times a wee	3231	2671	
Value-----	R6WAKEUP_E	R8WAKEUP_E	
.d:DK	10	3	
.p:proxy	614	463	
.r:Refuse	4		
1. Not at all	4552	3479	
2. 1-3 days	1751	1432	
3. 4-7 days	966	828	
4. 8-14 days	623	521	
5. 15-21 days	516	436	
6. 22-31 days	1565	1283	
Value-----	S6WAKEUP_E	S8WAKEUP_E	
.d:DK	5	1	
.p:proxy	494	375	
.r:Refuse	3		
.u:Unmar	2802	2255	
.v:SP NR	557	502	
1. Not at all	3101	2346	
2. 1-3 days	1265	975	
3. 4-7 days	648	570	
4. 8-14 days	435	340	
5. 15-21 days	357	303	

6. 22-31 days

934

778

## How Constructed

RwFALLSLP\_E indicates how often the respondent has difficulty falling asleep. RwFALLSLP\_E is coded as follows: 1. Not during the last month, 2. Less than once a week, 3. Once or twice a week, and 4. Three or more times a week. RwFALLSLP\_E is available in Waves 4, 6, and 8. RwFALLSLP\_E is assigned special missing .p if the question was skipped because the interview was by proxy. Don't know, refused, or other missing responses of RwFALLSLP\_E are assigned special missing codes .d, .r, and .m, respectively. RwFALLSLP\_E is set to plain missing (.) for respondents who did not participate in the current wave.

SwFALLSLP\_E indicates how often the respondent's current wave's spouse has difficulty falling asleep. In addition to the special missing codes employed by RwFALLSLP\_E, SwFALLSLP\_E employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwWAKENT\_E indicates how often the respondent wakes up several times in the night and is coded as follows: 1. Not during the last month, 2. Less than once a week, 3. Once or twice a week, and 4. Three or more times a week. RwWAKENT\_E is available in Waves 6 and 8. RwWAKENT\_E is assigned special missing .p if the question was skipped because the interview was by proxy. Don't know, refused, or other missing responses of RwWAKENT\_E are assigned special missing codes .d, .r, and .m, respectively. RwWAKENT\_E is set to plain missing (.) for respondents who did not participate in the current wave.

SwWAKENT\_E indicates how often the respondent's current wave's spouse wakes up several times in the night. In addition to the special missing codes employed by RwWAKENT\_E, SwWAKENT\_E employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwWAKEUP\_E indicates how often in the past month the respondent had trouble staying asleep, including waking far too early. RwWAKEUP\_E is coded as follows: 1. Not at all, 2. 1-3 days, 3. 4-7 days, 4. 8-14 days, 5. 15-21 days, and 6. 22-31 days. RwWAKEUP\_E is available in Waves 6 and 8. RwWAKEUP\_E is assigned special missing .p if the question was skipped because the interview was by proxy. Don't know, refused, or other missing responses of RwWAKEUP\_E are assigned special missing codes .d, .r, and .m, respectively. RwWAKEUP\_E is set to plain missing (.) for respondents who did not participate in the current wave.

SwWAKEUP\_E indicates how often the respondent's current wave's spouse had trouble staying asleep, including waking far too early. In addition to the special missing codes employed by RwWAKENT\_E, SwWAKENT\_E employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Questions about difficulty falling asleep were asked in Waves 4, 6, and 8. Therefore, RwFALLSLP\_E is available in Waves 4, 6, and 8.

Questions about waking up during the night and waking up too early were asked in Waves 6 and 8. Therefore, RwWAKENT\_E and RwWAKEUP\_E are available in Waves 6 and 8.

## Differences with the RAND HRS/Harmonized HRS

In ELSA, respondents were asked to answer questions about difficulty falling asleep using the following scale: not during the last month, less than once a week, once or twice a week, and three or more times a week. In HRS, respondents were asked questions about difficulty falling asleep using the following scale: most of the time, sometimes, and rarely or never.

In ELSA, respondents were asked about how often they woke up several times in a night using the following scale: not during the last month, less than once a week, once or twice a week, and three or more times a week. In HRS, respondents were asked how often they had trouble with waking up during the night using the following scale: most of the time, sometimes, and rarely or never.

In ELSA, respondents were asked how often in the past month they had trouble staying asleep (including waking far too early) using the following scale: 1. Not at all, 2. 1-3 days, 3. 4-7 days, 4. 8-14 days, 5. 15-21 days, and 6. 22-31 days. In HRS, respondents were asked about how often they had trouble with waking up too early and not being able to fall asleep again using the following scale: most of the time, sometimes, and rarely or never.

As a result of these differences in scale, these variables in the Harmonized ELSA add "\_E" at the end of the variable name to indicate that these variables are not strictly comparable to those found in the Harmonized HRS.

## ELSA Variables Used

### Wave 4 Core:

ASKPX            whether respondent had an interview by proxy  
HESLPA           sleep: how often respondent has difficulty falling aslee

### Wave 6 Core:

ASKPX            whether respondent had an interview by proxy  
HESLPA           sleep: how often respondent has difficulty falling aslee  
HESLPB           sleep: frequency wake up several times at night  
HESLPC           sleep: no. days trouble staying asleep in last month

### Wave 8 Core:

ASKPX            computed: whether respondent had an interview by proxy  
HESLPA           sleep: how often respondent has difficulty falling aslee  
HESLPB           sleep: frequency wake up several times at night  
HESLPC           sleep: no days trouble staying asleep in last month

**Menopause**

Wave	Variable	Label	Type
4	R4HYSTERE	r4hystere:w4 r ever had hysterectomy	Categ
6	R6HYSTERE	r6hystere:w6 r ever had hysterectomy	Categ
7	R7HYSTERE	r7hystere:w7 r ever had hysterectomy	Categ
4	S4HYSTERE	s4hystere:w4 s ever had hysterectomy	Categ
6	S6HYSTERE	s6hystere:w6 s ever had hysterectomy	Categ
7	S7HYSTERE	s7hystere:w7 s ever had hysterectomy	Categ
4	R4LSTMNSPD	r4lstmnspd:w4 r age last menstrual period	Categ
6	R6LSTMNSPD	r6lstmnspd:w6 r age last menstrual period	Categ
7	R7LSTMNSPD	r7lstmnspd:w7 r age last menstrual period	Categ
8	R8LSTMNSPD	r8lstmnspd:w8 r age last menstrual period	Categ
9	R9LSTMNSPD	r9lstmnspd:w9 r age last menstrual period	Categ
4	S4LSTMNSPD	s4lstmnspd:w4 s age last menstrual period	Categ
6	S6LSTMNSPD	s6lstmnspd:w6 s age last menstrual period	Categ
7	S7LSTMNSPD	s7lstmnspd:w7 s age last menstrual period	Categ
8	S8LSTMNSPD	s8lstmnspd:w8 s age last menstrual period	Categ
9	S9LSTMNSPD	s9lstmnspd:w9 s age last menstrual period	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R4HYSTERE	2922	0.47	0.50	0.00	1.00
R6HYSTERE	5509	0.23	0.42	0.00	1.00
R7HYSTERE	4974	0.23	0.42	0.00	1.00
S4HYSTERE	1796	0.46	0.50	0.00	1.00
S6HYSTERE	3397	0.22	0.42	0.00	1.00
S7HYSTERE	3030	0.22	0.41	0.00	1.00
R4LSTMNSPD	5131	48.02	6.95	2.00	84.00
R6LSTMNSPD	4659	48.15	6.83	2.00	75.00
R7LSTMNSPD	4273	48.05	6.90	2.00	75.00
R8LSTMNSPD	3787	48.08	6.94	8.00	80.00
R9LSTMNSPD	3571	47.99	6.89	8.00	80.00
S4LSTMNSPD	3034	47.97	6.89	2.00	79.00
S6LSTMNSPD	2798	48.19	6.67	8.00	71.00
S7LSTMNSPD	2526	48.05	6.77	8.00	73.00
S8LSTMNSPD	2231	48.09	6.77	8.00	70.00
S9LSTMNSPD	2053	47.98	6.70	8.00	70.00

**Categorical Variable Codes**

Value	R4HYSTERE
.d:DK	5
.g:not asked-gender	4925
.l:no hysterectomy-life his	2998
.m:Missing	16
.p:proxy	181
.r:Refuse	3
0.No	1546
1.Yes	1376

Value	R6HYSTERE	R7HYSTERE
-------	-----------	-----------

.d:DK		1
.g:not asked-gender	4744	4299
.l:no hysterectomy-life his	123	88
.m:Missing	68	164
.p:proxy	154	139
.r:Refuse	3	1
0.No	4240	3832
1.Yes	1269	1142

Value-----		S4HYSTERE
.d:DK		3
.g:not asked-gender		3695
.l:no hysterectomy-life his		1772
.m:Missing		12
.p:proxy		122
.r:Refuse		2
.u:Unmar		2932
.v:SP NR		716
0.No		963
1.Yes		833

Value-----	S6HYSTERE	S7HYSTERE
.g:not asked-gender	3613	3271
.l:no hysterectomy-life his	61	49
.m:Missing	39	83
.p:proxy	129	126
.r:Refuse	3	1
.u:Unmar	2802	2548
.v:SP NR	557	558
0.No	2640	2363
1.Yes	757	667

## How Constructed

RwHYSTERE indicates whether the respondent had an operation for the removal of their uterus or womb. Female respondents are asked this question starting in the Life History questionnaire in Wave 3 and in the core interview in Waves 4 and forward, and it is coded as 0.no, and 1.yes. Respondents who were asked this question during the Life History questionnaire in Wave 3, were not asked this question again in Wave 4, so positive responses from the Life History questionnaire were carried forward. If a respondent answered "no" during the Life History questionnaire in Wave 3, they were coded as special missing .1 in Wave 4 because we do not know if those respondents had a hysterectomy since they were last asked. In Waves 5 and forward, the respondent was asked this question if they responded "no" at the previous wave, or did not respond at the previous wave. However, even though respondents in Waves 5, 8 and 9 were asked about uterus or womb operations, the data for Waves 5, 8 and 9 were not included in the dataset. Therefore, this variable is only available in Waves 4, 6, and 7. RwHYSTERE is assigned a special missing .p if the question was skipped because the interview was by proxy. Special missing .g was assigned if the question was skipped because the respondent was a man. Don't know, refused, or other missing responses of RwHYSTERE are assigned special missing codes .d, .r, and .m, respectively. RwHYSTERE is set to plain missing (.) for respondents who did not participate in the current wave.

SwHYSTERE indicates if the respondent's current wave's spouse had an operation for the removal of their uterus or womb. In addition to the special missing codes employed by RwHYSTERE, SwHYSTERE employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLSTMNSPD indicates the respondent's age at their last menstrual period. Respondents who are women are first asked whether they have had a period or menstrual bleeding in the past 12 months, and if not, in what year they had their last period. If the respondent cannot remember the year, then they are asked the age when they had their last period. The respondent's birth year is subtracted from the year reported to calculate the age at their last menstrual period. If the respondent reports having had a period in the past 12 months, then RwLSTMNSPD is assigned special missing .x. RwLSTMNSPD is assigned a special missing .p if this question was skipped because the interview was by proxy. Special missing .g is assigned if the question was skipped because the respondent was a man. Special missing .i is assigned if the calculated age takes a negative value or is equal to 0, or if the age is greater than the respondent's current age. Values of RwLSTMNSPD are carried forward in future waves. Don't know, refused, or other missing responses

of RwlSTMNSPD are assigned special missing codes .d, .r, .m, respectively. RwlSTMNSPD is set to plain missing (.) for respondents who did not participate in the current wave. This question is asked starting in Wave 4, however, the data for this question is not released in Wave 5, so RwlSTMNSPD is available in Wave 4, and in Waves 6 and onward.

SwLSTMNSPD indicates the respondent's current wave's spouse's age at their last menstrual period. In addition to the special missing codes employed by RwlSTMNSPD, SwLSTMNSPD employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Respondents were asked about having an operation for the removal of their uterus or womb in the Life History interview in Wave 3 and in core interviews in Wave 4 and forward. However, the data is not available for Waves 5, 8 and 9. Therefore, RwhYSTERE is available in Waves 4, 6, and 7.

Respondents who were asked this question during the Life History questionnaire in Wave 3, were not asked this question again in Wave 4. Respondents who reported not having a hysterectomy in Wave 3 are assigned a special missing since we do not know if those respondents had a hysterectomy since last asked in Wave 3.

Respondents were asked about the year or age of their last menstrual period starting in Wave 4. However, the data is not available for Wave 5. Therefore, RwlSTMNSPD is available in Wave 4 and in Waves 6 and onward.

## Differences with the RAND HRS/Harmonized HRS

In the HRS, respondents are asked how old they were when they stopped menstruating, and if they answer don't know or refuse, then they are asked a series of questions to determine a bracket in which the true age lies within. RwlSTMNSPD in the Harmonized HRS incorporates the reported ages and bracketed ages. In the ELSA, respondents are not asked a series to questions to determine a bracket in which the true age lies within, so RwlSTMNSPD in the Harmonized ELSA only incorporates the reported ages and years.

## ELSA Variables Used

### Wave 3 Life History:

RHHYE if had hysterectomy

### Wave 4 Core:

ASKPX whether respondent had an interview by proxy  
 HEHYE whether uterus removed surgically  
 HEPEA menopause: age had last menstrual period (if year unknow  
 HEPEE menopause: whether menstruated in last 12 months  
 HEPEY menopause: year had last menstrual period  
 INDSEX definitive sex variable. priority: disex, dhsex

### Wave 6 Core:

ASKPX whether respondent had an interview by proxy  
 HEHYE whether uterus removed surgically  
 HEPEA menopause: age had last menstrual period (if year unknow  
 HEPEE menopause: whether menstruated in last 12 months  
 HEPEY menopause: year had last menstrual period  
 INDSEX definitive sex variable: priority disex, dhsex

### Wave 7 Core:

ASKPX whether respondent had an interview by proxy  
 HEHYE whether uterus removed surgically  
 HEPEA menopause: age had last menstrual period (if year unknow  
 HEPEE menopause: whether menstruated in last 12 months  
 HEPEY menopause: year had last menstrual period  
 INDSEX definitive sex variable: priority disex, dhsex

### Wave 8 Core:

ASKPX computed: whether respondent had an interview by proxy  
 HEPEA menopause: age had last menstrual period (if year unknow



HEPEE	menopause: whether menstruated in last 12 months
HEPEY	menopause: year had last menstrual period
INDSEX	(d) definitive sex variable: priority disex, dhsex
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy
HEPEA	Menopause: age had last menstrual period (if year unknow
HEPEE	Menopause: whether menstruated in last 12 months
HEPEY	Menopause: year had last menstrual period
INDSEX	(D) Definitive sex variable: priority disex, dhsex

<b>Pain</b>
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Wave	Variable	Label	Type
1	R1PAINFR	r1painfr:w1 r frequent problems with pain	Categ
2	R2PAINFR	r2painfr:w2 r frequent problems with pain	Categ
3	R3PAINFR	r3painfr:w3 r frequent problems with pain	Categ
4	R4PAINFR	r4painfr:w4 r frequent problems with pain	Categ
5	R5PAINFR	r5painfr:w5 r frequent problems with pain	Categ
6	R6PAINFR	r6painfr:w6 r frequent problems with pain	Categ
7	R7PAINFR	r7painfr:w7 r frequent problems with pain	Categ
8	R8PAINFR	r8painfr:w8 r frequent problems with pain	Categ
9	R9PAINFR	r9painfr:w9 r frequent problems with pain	Categ
1	S1PAINFR	s1painfr:w1 s frequent problems with pain	Categ
2	S2PAINFR	s2painfr:w2 s frequent problems with pain	Categ
3	S3PAINFR	s3painfr:w3 s frequent problems with pain	Categ
4	S4PAINFR	s4painfr:w4 s frequent problems with pain	Categ
5	S5PAINFR	s5painfr:w5 s frequent problems with pain	Categ
6	S6PAINFR	s6painfr:w6 s frequent problems with pain	Categ
7	S7PAINFR	s7painfr:w7 s frequent problems with pain	Categ
8	S8PAINFR	s8painfr:w8 s frequent problems with pain	Categ
9	S9PAINFR	s9painfr:w9 s frequent problems with pain	Categ
1	R1PAINLV	r1painlv:w1 r usual level of pain	Categ
2	R2PAINLV	r2painlv:w2 r usual level of pain	Categ
3	R3PAINLV	r3painlv:w3 r usual level of pain	Categ
4	R4PAINLV	r4painlv:w4 r usual level of pain	Categ
5	R5PAINLV	r5painlv:w5 r usual level of pain	Categ
6	R6PAINLV	r6painlv:w6 r usual level of pain	Categ
7	R7PAINLV	r7painlv:w7 r usual level of pain	Categ
8	R8PAINLV	r8painlv:w8 r usual level of pain	Categ
9	R9PAINLV	r9painlv:w9 r usual level of pain	Categ
1	S1PAINLV	s1painlv:w1 s usual level of pain	Categ
2	S2PAINLV	s2painlv:w2 s usual level of pain	Categ
3	S3PAINLV	s3painlv:w3 s usual level of pain	Categ
4	S4PAINLV	s4painlv:w4 s usual level of pain	Categ
5	S5PAINLV	s5painlv:w5 s usual level of pain	Categ
6	S6PAINLV	s6painlv:w6 s usual level of pain	Categ
7	S7PAINLV	s7painlv:w7 s usual level of pain	Categ
8	S8PAINLV	s8painlv:w8 s usual level of pain	Categ
9	S9PAINLV	s9painlv:w9 s usual level of pain	Categ
1	R1LEGPN	r1legpn:w1 r pain in legs	Categ
2	R2LEGPN	r2legpn:w2 r pain in legs	Categ
3	R3LEGPN	r3legpn:w3 r pain in legs	Categ
5	R5LEGPN	r5legpn:w5 r pain in legs	Categ
1	S1LEGPN	s1legpn:w1 s pain in legs	Categ
2	S2LEGPN	s2legpn:w2 s pain in legs	Categ
3	S3LEGPN	s3legpn:w3 s pain in legs	Categ
5	S5LEGPN	s5legpn:w5 s pain in legs	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PAINFR	11906	0.38	0.49	0.00	1.00
R2PAINFR	9299	0.38	0.48	0.00	1.00
R3PAINFR	9530	0.38	0.48	0.00	1.00

R4PAINFR	10593	0.39	0.49	0.00	1.00
R5PAINFR	9727	0.40	0.49	0.00	1.00
R6PAINFR	9980	0.42	0.49	0.00	1.00
R7PAINFR	9067	0.41	0.49	0.00	1.00
R8PAINFR	7977	0.42	0.49	0.00	1.00
R9PAINFR	8188	0.41	0.49	0.00	1.00
S1PAINFR	7935	0.38	0.48	0.00	1.00
S2PAINFR	6077	0.37	0.48	0.00	1.00
S3PAINFR	6225	0.37	0.48	0.00	1.00
S4PAINFR	7059	0.39	0.49	0.00	1.00
S5PAINFR	6537	0.39	0.49	0.00	1.00
S6PAINFR	6743	0.41	0.49	0.00	1.00
S7PAINFR	6074	0.39	0.49	0.00	1.00
S8PAINFR	5308	0.41	0.49	0.00	1.00
S9PAINFR	5360	0.40	0.49	0.00	1.00
R1PAINLV	11899	0.74	1.05	0.00	3.00
R2PAINLV	9291	0.73	1.03	0.00	3.00
R3PAINLV	9522	0.72	1.02	0.00	3.00
R4PAINLV	10586	0.75	1.02	0.00	3.00
R5PAINLV	9722	0.76	1.03	0.00	3.00
R6PAINLV	9976	0.79	1.03	0.00	3.00
R7PAINLV	9066	0.76	1.02	0.00	3.00
R8PAINLV	7974	0.79	1.04	0.00	3.00
R9PAINLV	8184	0.75	1.01	0.00	3.00
S1PAINLV	7932	0.73	1.03	0.00	3.00
S2PAINLV	6074	0.70	1.01	0.00	3.00
S3PAINLV	6220	0.68	0.99	0.00	3.00
S4PAINLV	7056	0.72	1.00	0.00	3.00
S5PAINLV	6533	0.71	1.00	0.00	3.00
S6PAINLV	6743	0.76	1.01	0.00	3.00
S7PAINLV	6073	0.71	0.99	0.00	3.00
S8PAINLV	5305	0.75	1.01	0.00	3.00
S9PAINLV	5359	0.71	0.98	0.00	3.00
R1LEGPN	11737	0.30	0.46	0.00	1.00
R2LEGPN	9175	0.28	0.45	0.00	1.00
R3LEGPN	9395	0.27	0.44	0.00	1.00
R5LEGPN	9524	0.27	0.44	0.00	1.00
S1LEGPN	7844	0.28	0.45	0.00	1.00
S2LEGPN	6011	0.26	0.44	0.00	1.00
S3LEGPN	6168	0.25	0.43	0.00	1.00
S5LEGPN	6441	0.24	0.43	0.00	1.00

### Categorical Variable Codes

Value-----	R1PAINFR	R2PAINFR	R3PAINFR	R4PAINFR	R5PAINFR
.d:DK	13		3	5	7
.m:Missing		9			
.p:proxy	175	123	232	446	537
.r:Refuse	5	1	1	6	3
0.No	7386	5786	5940	6413	5861
1.Yes	4520	3513	3590	4180	3866
Value-----	R6PAINFR	R7PAINFR	R8PAINFR	R9PAINFR	
.d:DK	3	2	5	2	
.p:proxy	614	597	463	545	
.r:Refuse	4			1	
0.No	5813	5393	4662	4835	
1.Yes	4167	3674	3315	3353	

Value-----	S1PAINFR	S2PAINFR	S3PAINFR	S4PAINFR	S5PAINFR
.d:DK	9		1	5	7
.m:Missing		7			
.p:proxy	122	93	158	333	418
.r:Refuse	4	1		5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	4939	3816	3927	4312	4018
1.Yes	2996	2261	2298	2747	2519

Value-----	S6PAINFR	S7PAINFR	S8PAINFR	S9PAINFR
.d:DK	2	2	5	1
.p:proxy	494	484	375	459
.r:Refuse	3			
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.No	3951	3704	3143	3220
1.Yes	2792	2370	2165	2140

Value-----	R1PAINLV	R2PAINLV	R3PAINLV	R4PAINLV	R5PAINLV
.d:DK	20	8	11	12	12
.m:Missing		9			
.p:proxy	175	123	232	446	537
.r:Refuse	5	1	1	6	3
0.no pain	7386	5786	5940	6413	5861
1.mild	1251	968	1089	1252	1176
2.moderate	2182	1822	1732	2102	1888
3.severe	1080	715	761	819	797

Value-----	R6PAINLV	R7PAINLV	R8PAINLV	R9PAINLV
.d:DK	7	3	8	6
.p:proxy	614	597	463	545
.r:Refuse	4			1
0.no pain	5813	5393	4662	4835
1.mild	1266	1150	1018	1101
2.moderate	2112	1866	1620	1676
3.severe	785	657	674	572

Value-----	S1PAINLV	S2PAINLV	S3PAINLV	S4PAINLV	S5PAINLV
.d:DK	12	3	6	8	11
.m:Missing		7			
.p:proxy	122	93	158	333	418
.r:Refuse	4	1		5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no pain	4939	3816	3927	4312	4018
1.mild	896	681	779	910	833
2.moderate	1417	1143	1071	1351	1209
3.severe	680	434	443	483	473

Value-----	S6PAINLV	S7PAINLV	S8PAINLV	S9PAINLV
.d:DK	2	3	8	2
.p:proxy	494	484	375	459
.r:Refuse	3			
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no pain	3951	3704	3143	3220
1.mild	919	807	729	786
2.moderate	1402	1178	1030	1027
3.severe	471	384	403	326

Value-----	R1LEGPN	R2LEGPN	R3LEGPN	R5LEGPN
.d:DK	14	3	2	8
.m:Missing		9	39	154
.p:proxy	175	123	232	537
.r:Refuse	5	2	2	3
.x:cannot walk	168	120	96	48
0.No	8199	6588	6840	6999
1.Yes	3538	2587	2555	2525

Value-----	S1LEGPN	S2LEGPN	S3LEGPN	S5LEGPN
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.d:DK	9	1	1	7
.m:Missing		7	16	71
.p:proxy	122	93	158	418
.r:Refuse	4	2		2
.u:Unmar	3561	2671	2706	2742
.v:SP NR	468	583	676	568
.x:cannot walk	91	64	41	25
0.No	5675	4456	4643	4873
1.Yes	2169	1555	1525	1568

## How Constructed

RwPAINFR indicates whether the respondent experiences frequent pain. RwPAINFR is coded as 0.no, and 1.yes. RwPAINFR is assigned special missing .p if the question was skipped because the interview was by proxy. Don't know, refused, or other missing responses of RwPAINFR are assigned special missing codes .d, .r, and .m, respectively. RwPAINFR is set to plain missing (.) for respondents who did not participate in the current wave.

RwPAINLV indicates the respondent's usual level of pain. RwPAINLV is coded as 0.none, 1.mild, 2.moderate, 3.severe. If the respondent does not experience frequent pain, then RwPAINLV is assigned a value of 0. RwPAINLV is assigned special missing .p if the question was skipped because the interview was by proxy. Don't know, refused, or other missing responses of RwPAINLV are assigned special missing codes .d, .r, and .m, respectively. RwPAINLV is set to plain missing (.) for respondents who did not participate in the current wave.

RwLEGPN indicates whether the respondent gets pain or discomfort in either of their legs which comes on when they walk. This variable is coded as 0.no, and 1.yes. This variable is available in Waves 1, 2, 3, and 5. A special missing .p is assigned if the questions were skipped because the interview was by proxy. Special missing .x is assigned if the respondent cannot walk. Don't know, refused, or other missing responses of these variables are assigned special missing codes .d, .r, and .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

SwPAINFR, SwPAINLV, and SwLEGPN indicate the respondent's current wave's spouse's experience with pain, and are taken from RwPAINFR, RwPAINLV, and RwLEGPN. In addition to the special missing codes employed by RwPAINFR, RwPAINLV, and RwLEGPN, SwPAINFR, SwPAINLV, and SwLEGPN employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

RwLEGPN is available in Waves 1, 2, 3, and 5. In Wave 4 and starting in Wave 6, questions about leg pain were no longer asked.

## Differences with the RAND HRS/Harmonized HRS

The HRS asks about back pain, which is coded in RwBACKP in the Harmonized HRS, while the ELSA asks about leg pain, which is coded in RwLEGPN in the Harmonized ELSA.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
HECDA	do you get pain or discomfort in either of your legs whi
HEPAA	how bad is the pain most of the time? is it ... ?
HEPAIN	are you often troubled with pain?

### Wave 2 Core:

ASKPX1	Whether interviewed by proxy
HECDA	Claudication: whether gets pain or discomfort in legs wh
HEPAA	Severity of pain most of the time
HEPAIN	Whether often troubled with pain

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
-------	--

HECDA	claudication: whether gets pain or discomfort in legs wh
HEPAA	severity of pain most of the time
HEPAIN	whether often troubled with pain
Wave 4 Core:	
ASKPX	whether respondent had an interview by proxy
HEPAA	severity of pain most of the time
HEPAIN	whether often troubled with pain
Wave 5 Core:	
ASKPX	Whether respondent had an interview by proxy
HECDA	Do you get pain or discomfort in either of your legs wh
HEPAA	Severity of pain most of the time
HEPAIN	Whether often troubled with pain
Wave 6 Core:	
ASKPX	whether respondent had an interview by proxy
HEPAA	severity of pain most of the time
HEPAIN	whether often troubled with pain
Wave 7 Core:	
ASKPX	whether respondent had an interview by proxy
HEPAA	severity of pain most of the time
HEPAIN	whether often troubled with pain
Wave 8 Core:	
ASKPX	computed: whether respondent had an interview by proxy
HEPAA	severity of pain most of the time
HEPAIN	whether often troubled with pain
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy
HEPAA	Severity of pain most of the time
HEPAIN	Whether often troubled with pain

## Urinary Incontinence

Wave	Variable	Label	Type
1	R1URINAI	r1urina: w1 r any urinary incontinence	Categ
2	R2URINAI	r2urina: w2 r any urinary incontinence	Categ
3	R3URINAI	r3urina: w3 r any urinary incontinence	Categ
4	R4URINAI	r4urina: w4 r any urinary incontinence	Categ
5	R5URINAI	r5urina: w5 r any urinary incontinence	Categ
6	R6URINAI	r6urina: w6 r any urinary incontinence	Categ
7	R7URINAI	r7urina: w7 r any urinary incontinence	Categ
8	R8URINAI	r8urina: w8 r any urinary incontinence	Categ
9	R9URINAI	r9urina: w9 r any urinary incontinence	Categ
1	S1URINAI	s1urina: w1 s any urinary incontinence	Categ
2	S2URINAI	s2urina: w2 s any urinary incontinence	Categ
3	S3URINAI	s3urina: w3 s any urinary incontinence	Categ
4	S4URINAI	s4urina: w4 s any urinary incontinence	Categ
5	S5URINAI	s5urina: w5 s any urinary incontinence	Categ
6	S6URINAI	s6urina: w6 s any urinary incontinence	Categ
7	S7URINAI	s7urina: w7 s any urinary incontinence	Categ
8	S8URINAI	s8urina: w8 s any urinary incontinence	Categ
9	S9URINAI	s9urina: w9 s any urinary incontinence	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1URINAI	11896	0.15	0.36	0.00	1.00
R2URINAI	9293	0.15	0.35	0.00	1.00
R3URINAI	9527	0.14	0.34	0.00	1.00
R4URINAI	10593	0.15	0.35	0.00	1.00
R5URINAI	9728	0.15	0.36	0.00	1.00
R6URINAI	9977	0.16	0.36	0.00	1.00
R7URINAI	9065	0.16	0.37	0.00	1.00
R8URINAI	7131	0.23	0.42	0.00	1.00
R9URINAI	7431	0.21	0.41	0.00	1.00
S1URINAI	7929	0.13	0.34	0.00	1.00
S2URINAI	6073	0.13	0.34	0.00	1.00
S3URINAI	6224	0.12	0.32	0.00	1.00
S4URINAI	7060	0.12	0.33	0.00	1.00
S5URINAI	6539	0.13	0.34	0.00	1.00
S6URINAI	6742	0.14	0.34	0.00	1.00
S7URINAI	6075	0.14	0.34	0.00	1.00
S8URINAI	4871	0.21	0.41	0.00	1.00
S9URINAI	4989	0.19	0.39	0.00	1.00

### Categorical Variable Codes

Value-----	R1URINAI	R2URINAI	R3URINAI	R4URINAI	R5URINAI
.d:DK	19	5	5	5	5
.m:Missing		9			
.p:proxy	175	123	232	446	537
.r:Refuse	9	2	2	6	4
0.No	10072	7925	8220	9043	8280
1.Yes	1824	1368	1307	1550	1448

Value-----	R6URINAI	R7URINAI	R8URINAI	R9URINAI
.d:DK	5	4		
.m:Missing			91	

.p:proxy	614	597			
.r:Refuse	5			71	
.s:Self-completion instrume			1223	1234	
0.No	8427	7629	5460	5848	
1.Yes	1550	1436	1671	1583	
Value-----	S1URINAI	S2URINAI	S3URINAI	S4URINAI	S5URINAI
.d:DK	13	3	2	4	4
.m:Missing		7			
.p:proxy	122	93	158	333	418
.r:Refuse	6	2		5	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	6861	5286	5503	6193	5687
1.Yes	1068	787	721	867	852
Value-----	S6URINAI	S7URINAI	S8URINAI	S9URINAI	
.d:DK	3	1			
.m:Missing			56		
.p:proxy	494	484			
.r:Refuse	3			42	
.s:Self-completion instrume			761	789	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No	5822	5240	3830	4037	
1.Yes	920	835	1041	952	

## How Constructed

RwURINAI indicates whether the respondent has experienced any urinary incontinence in the past 12 months. RwURINAI is assigned a value of 0.no and 1.yes. In Waves 1 through 7, RwURINAI is assigned special missing .p if the question was skipped because the interview was by proxy. In Waves 8 and 9, urinary incontinence was asked as part of the self-completion questionnaire, as such, special missing .s is assigned if the respondent did not complete the self-completion questionnaire. Don't know, refused, or other missing responses of RwURINAI are assigned special missing codes .d, .r, and .m, respectively. RwURINAI is set to plain missing (.) for respondents who did not participate in the current wave.

SwURINAI indicates whether the respondent's current wave's spouse has experienced any incontinence, and is taken from RwURINAI. In addition to the special missing codes employed by RwURINAI, SwURINAI employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

In Waves 1 through 7, urinary incontinence is asked about in the core interview. Starting in Wave 8, urinary incontinence was asked as part of the self-completion questionnaire.

## Differences with the RAND HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1 whether interviewed by proxy  
HEINCT during the last 12 months, have you lost any amount of u

### Wave 2 Core:

ASKPX1 Whether interviewed by proxy  
HEINCT Incontinence: whether lost urine beyond control in last

### Wave 3 Core:

ASKPX whether respondent had a proxy interview  
HEINCT incontinence: whether lost urine beyond control in last

### Wave 4 Core:

ASKPX whether respondent had an interview by proxy



HEINCT                   incontinence: whether lost urine beyond control in last  
Wave 5 Core:  
  ASKPX                   Whether respondent had an interview by proxy  
  HEINCT                   Incontinence: whether lost urine beyond control in last  
Wave 6 Core:  
  ASKPX                   whether respondent had an interview by proxy  
  HEINCT                   incontinence: whether lost urine beyond control in last  
Wave 7 Core:  
  ASKPX                   whether respondent had an interview by proxy  
  HEINCT                   incontinence: whether lost urine beyond control in last  
Wave 8 Core:  
  ASKPX                   computed: whether respondent had an interview by proxy  
  SCHELNCT                whether lost any amount of urine beyond their control in  
Wave 9 Core:  
  ASKPX                   Computed: whether respondent had an interview by proxy  
  SCHELNCT                Whether lost any amount of urine beyond their control in

<b>Persistent Health Problems</b>
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Wave	Variable	Label	Type
1	R1BREATH_E	r1breath_e:w1 r short of breath while walking	Categ
2	R2BREATH_E	r2breath_e:w2 r short of breath while walking	Categ
3	R3BREATH_E	r3breath_e:w3 r short of breath while walking	Categ
4	R4BREATH_E	r4breath_e:w4 r short of breath while walking	Categ
5	R5BREATH_E	r5breath_e:w5 r short of breath while walking	Categ
1	S1BREATH_E	s1breath_e:w1 s short of breath while walking	Categ
2	S2BREATH_E	s2breath_e:w2 s short of breath while walking	Categ
3	S3BREATH_E	s3breath_e:w3 s short of breath while walking	Categ
4	S4BREATH_E	s4breath_e:w4 s short of breath while walking	Categ
5	S5BREATH_E	s5breath_e:w5 s short of breath while walking	Categ
1	R1WHEEZE_E	r1wheeze_e:w1 r persistent wheezing	Categ
2	R2WHEEZE_E	r2wheeze_e:w2 r persistent wheezing	Categ
3	R3WHEEZE_E	r3wheeze_e:w3 r persistent wheezing	Categ
4	R4WHEEZE_E	r4wheeze_e:w4 r persistent wheezing	Categ
5	R5WHEEZE_E	r5wheeze_e:w5 r persistent wheezing	Categ
1	S1WHEEZE_E	s1wheeze_e:w1 s persistent wheezing	Categ
2	S2WHEEZE_E	s2wheeze_e:w2 s persistent wheezing	Categ
3	S3WHEEZE_E	s3wheeze_e:w3 s persistent wheezing	Categ
4	S4WHEEZE_E	s4wheeze_e:w4 s persistent wheezing	Categ
5	S5WHEEZE_E	s5wheeze_e:w5 s persistent wheezing	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BREATH_E	11752	0.34	0.47	0.00	1.00
R2BREATH_E	8920	0.34	0.47	0.00	1.00
R3BREATH_E	9179	0.30	0.46	0.00	1.00
R4BREATH_E	10245	0.30	0.46	0.00	1.00
R5BREATH_E	9350	0.29	0.46	0.00	1.00
S1BREATH_E	7855	0.30	0.46	0.00	1.00
S2BREATH_E	5886	0.29	0.45	0.00	1.00
S3BREATH_E	6089	0.25	0.43	0.00	1.00
S4BREATH_E	6901	0.25	0.44	0.00	1.00
S5BREATH_E	6375	0.25	0.43	0.00	1.00
R1WHEEZE_E	11906	0.33	0.47	0.00	1.00
R2WHEEZE_E	9298	0.32	0.47	0.00	1.00
R3WHEEZE_E	9530	0.30	0.46	0.00	1.00
R4WHEEZE_E	10596	0.31	0.46	0.00	1.00
R5WHEEZE_E	9731	0.29	0.45	0.00	1.00
S1WHEEZE_E	7935	0.31	0.46	0.00	1.00
S2WHEEZE_E	6077	0.30	0.46	0.00	1.00
S3WHEEZE_E	6225	0.27	0.44	0.00	1.00
S4WHEEZE_E	7062	0.29	0.45	0.00	1.00
S5WHEEZE_E	6541	0.27	0.45	0.00	1.00

### Categorical Variable Codes

Value-----	R1BREATH_E	R2BREATH_E	R3BREATH_E	R4BREATH_E	R5BREATH_E
.d:DK	13	3	4	4	3

.m:Missing		9	39	41	48
.p:proxy	175	123	232	446	537
.r:Refuse	5	1	1	6	3
.x:cannot walk	154	376	311	308	333
0.No	7722	5926	6405	7147	6610
1.Yes	4030	2994	2774	3098	2740
Value-----	S1BREATH_E	S2BREATH_E	S3BREATH_E	S4BREATH_E	S5BREATH_E
.d:DK	9	1	2	2	3
.m:Missing		7	16	22	25
.p:proxy	122	93	158	333	418
.r:Refuse	4	1		5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:cannot walk	80	190	119	139	141
0.No	5501	4199	4575	5151	4778
1.Yes	2354	1687	1514	1750	1597
Value-----	R1WHEEZE_E	R2WHEEZE_E	R3WHEEZE_E	R4WHEEZE_E	R5WHEEZE_E
.d:DK	13	1	3	2	3
.m:Missing		9			
.p:proxy	175	123	232	446	537
.r:Refuse	5	1	1	6	3
0.No	8017	6351	6706	7335	6920
1.Yes	3889	2947	2824	3261	2811
Value-----	S1WHEEZE_E	S2WHEEZE_E	S3WHEEZE_E	S4WHEEZE_E	S5WHEEZE_E
.d:DK	9		1	2	3
.m:Missing		7			
.p:proxy	122	93	158	333	418
.r:Refuse	4	1		5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	5502	4272	4546	5035	4761
1.Yes	2433	1805	1679	2027	1780

## How Constructed

RwBREATH\_E indicates whether the respondent has experienced shortness of breath while walking. The respondent is asked whether they are troubled by shortness of breath when hurrying on level ground or walking up a slight hill, whether they get short of breath walking with other people of their own age on level ground, and whether they have to stop for breath when walking at their own pace on level ground. RwBREATH\_E is coded as 0.no if they didn't experience shortness of breath in any circumstance and 1.yes if they did experience shortness of breath in at least of the circumstances. In Waves 1 through 5, a special missing .p is assigned if the questions were skipped because the interview was by proxy. A special missing .x is assigned if the respondent can't walk, never walks up hill or hurries, or never walks with people of their own age on level ground. Don't know, refused, or other missing responses of these variables are assigned special missing codes .d, .r, and .m, respectively. This variable is set to plain missing (.) for respondents who did not participate in the current wave. These questions are only asked in Waves 1 through 5.

RwWHEEZE\_E indicates whether the respondent experiences persistent wheezing, coughing, or phlegm. The respondent is asked whether they usually bring up any phlegm from their chest first thing in the morning in winter, whether they have had attacks of wheezing or whistling in their chest at any time in the last 12 months, whether they have at any time in the past 12 months been woken at night by an attack of shortness of breath, and whether they have ever had attacks of shortness of breath with wheezing. RwWHEEZE\_E is coded as 0.no if they didn't experience wheezing in any circumstance, and 1.yes if they did experience wheezing in at least one of the circumstances. In Waves 1 through 5, a special missing .p is assigned if the questions were skipped because the interview was by proxy. Don't know, refused, or other missing responses of these variables are assigned special missing codes .d, .r, and .m, respectively. This variable is set to plain missing (.) for respondents who did not participate in the current wave. These questions are only asked in Waves 1 through 5.

SwBREATH\_E and SwWHEEZE\_E indicate whether the respondent's current wave's spouse has experienced any shortness of breath while walking or persistent wheezing, coughing, or phlegm, respectively, and are taken from RwBREATH\_E and RwWHEEZE\_E. In addition to the special missing codes employed by RwBREATH\_E and RwWHEEZE\_E, SwBREATH\_E and SwWHEEZE\_E employ two additional special missing codes. A special missing

value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

RwBREATH\_E and RwwHEEZE\_E are available in Waves 1 through 5. Starting in Wave 6, questions about shortness of breath and persistent wheezing or phlegm were no longer asked.

## Differences with the RAND HRS/Harmonized HRS

The HRS surveys shortness of breath while awake using one yes/no question. The ELSA surveys shortness of breath while walking with three questions: shortness of breath when hurrying on level ground or walking up a slight hill, shortness of breath walking with other people of your own age on level ground, and stopping for breath when walking at your own pace on level ground.

The HRS surveys persistent wheezing, cough, or bringing up phlegm using one yes/no question. The ELSA surveys persistent wheezing, cough, or bringing up phlegm using three yes/no questions: usually bring up any phlegm from chest, attacks of wheezing or whistling in chest, and waking up at night by attack of shortness of breath.

Because of these differences, the Harmonized ELSA variables end in "\_E" to indicate that they are not entirely comparable with the same variables in the Harmonized HRS.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
HERPA	do you usually bring up any phlegm from your chest, first
HERPD	are you troubled by shortness of breath when hurrying on
HERPE	do you get short of breath walking with other people of
HERPF	do you have to stop for breath when walking at your own
HERPG	have you had attacks of wheezing or whistling in your chest
HERPH	have you at any time in the past 12 months been woken at
HERPI	have you ever had attacks of shortness of breath with wheezing

### Wave 2 Core:

ASKPX1	Whether interviewed by proxy
HERPA	Phlegm from chest: whether usually brings up any first time
HERPD	Shortness of breath: whether has when hurrying on level/
HERPE	Shortness of breath: whether has it when walking with people
HERPF	Shortness of breath: whether has to stop when walking at
HERPG	Wheezing in chest: whether had attacks at any time in last
HERPH	Shortness of breath: whether woken at night with attack
HERPI	Shortness of breath : whether ever had attacks with wheezing

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
HERPA	phlegm from chest: whether usually brings up any first time
HERPD	shortness of breath: whether has when hurrying on level/
HERPE	shortness of breath: whether has it when walking with people
HERPF	shortness of breath: whether has to stop when walking at
HERPG	wheezing in chest: whether had attacks at any time in last
HERPH	shortness of breath: whether woken at night with attack
HERPI	shortness of breath : whether ever had attacks with wheezing

### Wave 4 Core:

ASKPX	whether respondent had an interview by proxy
HERPA	phlegm from chest: whether usually brings up any first time
HERPD	shortness of breath: whether has when hurrying on level/
HERPE	shortness of breath: whether has it when walking with people
HERPF	shortness of breath: whether has to stop when walking at
HERPG	wheezing in chest: whether had attacks at any time in last
HERPH	shortness of breath: whether woken at night with attack
HERPI	shortness of breath : whether ever had attacks with wheezing

## Wave 5 Core:

ASKPX	Whether respondent had an interview by proxy
HERPA	Phlegm from chest: whether usually brings up any first t
HERPD	Shortness of breath: whether has when hurrying on level/
HERPE	Shortness of breath: whether has it when walking with pe
HERPF	Shortness of breath: whether has to stop when walking at
HERPG	Wheezing in chest: whether had attacks at any time in la
HERPH	Shortness of breath: whether woken at night with attack
HERPI	Shortness of breath : whether ever had attacks with whee

<b>Health Behaviors: Preventive Behaviors</b>
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Wave	Variable	Label	Type
5	R5MAMMOGE	r5mammoge:w5 r ever had mammogram	Categ
6	R6MAMMOGE	r6mammoge:w6 r ever had mammogram	Categ
7	R7MAMMOGE	r7mammoge:w7 r ever had mammogram	Categ
8	R8MAMMOGE	r8mammoge:w8 r ever had mammogram	Categ
9	R9MAMMOGE	r9mammoge:w9 r ever had mammogram	Categ
5	S5MAMMOGE	s5mammoge:w5 s ever had mammogram	Categ
6	S6MAMMOGE	s6mammoge:w6 s ever had mammogram	Categ
7	S7MAMMOGE	s7mammoge:w7 s ever had mammogram	Categ
8	S8MAMMOGE	s8mammoge:w8 s ever had mammogram	Categ
9	S9MAMMOGE	s9mammoge:w9 s ever had mammogram	Categ
5	R5PROSTE	r5proste:w5 r ever had prostate test	Categ
6	R6PROSTE	r6proste:w6 r ever had prostate test	Categ
7	R7PROSTE	r7proste:w7 r ever had prostate test	Categ
8	R8PROSTE	r8proste:w8 r ever had prostate test	Categ
9	R9PROSTE	r9proste:w9 r ever had prostate test	Categ
5	S5PROSTE	s5proste:w5 s ever had prostate test	Categ
6	S6PROSTE	s6proste:w6 s ever had prostate test	Categ
7	S7PROSTE	s7proste:w7 s ever had prostate test	Categ
8	S8PROSTE	s8proste:w8 s ever had prostate test	Categ
9	S9PROSTE	s9proste:w9 s ever had prostate test	Categ
5	R5MAMMOG	r5mammog:w5 r prev mammogram last 2 yrs	Categ
6	R6MAMMOG	r6mammog:w6 r prev mammogram last 2 yrs	Categ
7	R7MAMMOG	r7mammog:w7 r prev mammogram last 2 yrs	Categ
5	S5MAMMOG	s5mammog:w5 s prev mammogram last 2 yrs	Categ
6	S6MAMMOG	s6mammog:w6 s prev mammogram last 2 yrs	Categ
7	S7MAMMOG	s7mammog:w7 s prev mammogram last 2 yrs	Categ
5	R5PROST	r5prost:w5 r prev prostate test last 2 yrs	Categ
6	R6PROST	r6prost:w6 r prev prostate test last 2 yrs	Categ
7	R7PROST	r7prost:w7 r prev prostate test last 2 yrs	Categ
5	S5PROST	s5prost:w5 s prev prostate test last 2 yrs	Categ
6	S6PROST	s6prost:w6 s prev prostate test last 2 yrs	Categ
7	S7PROST	s7prost:w7 s prev prostate test last 2 yrs	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R5MAMMOGE	3428	0.89	0.31	0.00	1.00
R6MAMMOGE	5566	0.90	0.30	0.00	1.00
R7MAMMOGE	3639	0.94	0.23	0.00	1.00
R8MAMMOGE	3106	0.95	0.21	0.00	1.00
R9MAMMOGE	3219	0.95	0.22	0.00	1.00
S5MAMMOGE	2156	0.92	0.27	0.00	1.00
S6MAMMOGE	3428	0.92	0.26	0.00	1.00
S7MAMMOGE	2501	0.95	0.22	0.00	1.00
S8MAMMOGE	2138	0.96	0.20	0.00	1.00
S9MAMMOGE	2130	0.95	0.22	0.00	1.00
R5PROSTE	2646	0.37	0.48	0.00	1.00

R6PROSTE	4342	0.37	0.48	0.00	1.00
R7PROSTE	2719	0.40	0.49	0.00	1.00
R8PROSTE	2440	0.43	0.49	0.00	1.00
R9PROSTE	2226	0.48	0.50	0.00	1.00
S5PROSTE	2046	0.38	0.49	0.00	1.00
S6PROSTE	3268	0.40	0.49	0.00	1.00
S7PROSTE	2108	0.43	0.50	0.00	1.00
S8PROSTE	1891	0.45	0.50	0.00	1.00
S9PROSTE	1725	0.50	0.50	0.00	1.00
R5MAMMOG	3327	0.53	0.50	0.00	1.00
R6MAMMOG	5316	0.49	0.50	0.00	1.00
R7MAMMOG	3571	0.65	0.48	0.00	1.00
S5MAMMOG	2106	0.58	0.49	0.00	1.00
S6MAMMOG	3338	0.54	0.50	0.00	1.00
S7MAMMOG	2461	0.67	0.47	0.00	1.00
R5PROST	2619	0.26	0.44	0.00	1.00
R6PROST	4299	0.23	0.42	0.00	1.00
R7PROST	2686	0.28	0.45	0.00	1.00
S5PROST	2026	0.27	0.44	0.00	1.00
S6PROST	3241	0.24	0.43	0.00	1.00
S7PROST	2080	0.29	0.45	0.00	1.00

**Categorical Variable Codes**

Value-----	R5MAMMOGE
.d:DK	2017
.m:Missing	254
.r:Refuse	6
.s:Skipped due to gender di	4569
0.no	373
1.yes	3055

Value-----	R6MAMMOGE	R7MAMMOGE	R8MAMMOGE	R9MAMMOGE
.a:age ineligible		1564	1471	1534
.d:DK	7	2		4
.m:Missing	280	159	116	126
.r:Refuse	4	3	2	
.s:Skipped due to gender di	4744	4299	3750	3853
0.no	556	204	141	172
1.yes	5010	3435	2965	3047

Value-----	S5MAMMOGE
.d:DK	1157
.m:Missing	173
.r:Refuse	1
.s:Skipped due to gender di	3477
.u:Unmar	2742
.v:SP NR	568
0.no	170
1.yes	1986

Value-----	S6MAMMOGE	S7MAMMOGE	S8MAMMOGE	S9MAMMOGE
.a:age ineligible		632	609	664
.d:DK	2	1		4
.m:Missing	196	153	107	123
.r:Refuse	3	2	2	
.s:Skipped due to gender di	3613	3271	2832	2899
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	259	128	91	104
1.yes	3169	2373	2047	2026

Value-----					R5PROSTE
.d:DK					1638
.m:Missing					283
.r:Refuse					2
.s:Skipped due to gender di					5705
0.no					1680
1.yes					966
Value-----	R6PROSTE	R7PROSTE	R8PROSTE	R9PROSTE	
.a:age ineligible		1224	1034	1303	
.d:DK	68	43	20	33	
.m:Missing	334	313	257	293	
.r:Refuse		1		1	
.s:Skipped due to gender di	5857	5366	4694	4880	
0.no	2735	1618	1403	1168	
1.yes	1607	1101	1037	1058	
Value-----					S5PROSTE
.d:DK					1186
.m:Missing					245
.s:Skipped due to gender di					3487
.u:Unmar					2742
.v:SP NR					568
0.no					1260
1.yes					786
Value-----	S6PROSTE	S7PROSTE	S8PROSTE	S9PROSTE	
.a:age ineligible		863	698	901	
.d:DK	47	28	14	18	
.m:Missing	298	271	229	257	
.r:Refuse		1			
.s:Skipped due to gender di	3629	3289	2856	2919	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	1974	1202	1034	856	
1.yes	1294	906	857	869	
Value-----					R5MAMMOG
.d:DK					2118
.m:Missing					254
.r:Refuse					6
.s:Skipped due to gender di					4569
0.no					1558
1.yes					1769
Value-----	R6MAMMOG	R7MAMMOG			
.a:age ineligible		1564			
.d:DK	257	70			
.m:Missing	280	159			
.r:Refuse	4	3			
.s:Skipped due to gender di	4744	4299			
0.no	2732	1260			
1.yes	2584	2311			
Value-----					S5MAMMOG
.d:DK					1207
.m:Missing					173
.r:Refuse					1
.s:Skipped due to gender di					3477
.u:Unmar					2742
.v:SP NR					568
0.no					882
1.yes					1224
Value-----	S6MAMMOG	S7MAMMOG			
.a:age ineligible		632			
.d:DK	92	41			
.m:Missing	196	153			
.r:Refuse	3	2			
.s:Skipped due to gender di	3613	3271			



.u:Unmar	2802	2548	
.v:SP NR	557	558	
0.no	1525	816	
1.yes	1813	1645	
Value-----			R5PROST
.d:DK			1665
.m:Missing			283
.r:Refuse			2
.s:Skipped due to gender di			5705
0.no			1951
1.yes			668
Value-----	R6PROST	R7PROST	
.a:age ineligible		1224	
.d:DK	111	76	
.m:Missing	334	313	
.r:Refuse		1	
.s:Skipped due to gender di	5857	5366	
0.no	3314	1942	
1.yes	985	744	
Value-----			S5PROST
.d:DK			1206
.m:Missing			245
.s:Skipped due to gender di			3487
.u:Unmar			2742
.v:SP NR			568
0.no			1483
1.yes			543
Value-----	S6PROST	S7PROST	
.a:age ineligible		863	
.d:DK	74	56	
.m:Missing	298	271	
.r:Refuse		1	
.s:Skipped due to gender di	3629	3289	
.u:Unmar	2802	2548	
.v:SP NR	557	558	
0.no	2459	1472	
1.yes	782	608	

## How Constructed

RwMAMMOGE and RwPROSTE indicate whether the respondent reports ever having preventive health tests and procedures. The tests and procedures are a mammogram (x-ray of the breast) and a check for prostate cancer through a prostate-specific antigen (PSA) blood test or other examination, respectively. Respondents are asked if they have ever had the specified test. RwMAMMOGE and RwPROSTE are assigned a value of 0 if the respondent has never had the screening. RwMAMMOGE and RwPROSTE are assigned a value of 1 if the respondent has ever had the screening. Only respondents who are women are asked about mammograms, and only respondents who are men are asked about prostate exams. When respondents answer don't know, refuse, are missing, or are skipped due to gender differences, RwMAMMOGE and RwPROSTE are coded as .d, .r, .m, or .s, respectively. RwMAMMOGE and RwPROSTE are asked beginning in Wave 5. Starting in Wave 7, a special missing value of .a is assigned when the respondent is not in the age of active mammogram or prostate cancer testing. Women are asked about receiving mammograms from age 47 to 73, and men are asked about receiving prostate testing from age 55 to 76. RwMAMMOGE and RwPROSTE are set to blank missing (.) if the respondent did not participate in the current wave.

SwMAMMOGE and SwPROSTE are the current wave's spouse's reports of ever having preventive health tests and procedures. They are taken directly from the spouse's values to RwMAMMOGE and RwPROSTE. In addition to the special missing codes used in RwMAMMOGE and RwPROSTE, SwMAMMOGE and SwPROSTE employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwMAMMOG and RwPROST indicate whether the respondent reports preventive health tests and procedures in the last two years. The tests and procedures are a mammogram (x-ray of the breast) and a check for

prostate cancer through a prostate-specific antigen (PSA) blood test or other examination, respectively. Respondents are asked if they have ever had the specified test, and if so, are asked the month and year of their last screening. RwmAMMOG and RwpROST are assigned a value of 0 if the respondent has never had the screening or if they had the screening more than two years from the interview date. RwmAMMOG and RwpROST are assigned a value of 1 if the respondent reported a screening within two years from the interview date. Only respondents who are women are asked about mammograms, and only respondents who are men are asked about prostate exams. When respondents answer don't know, refuse, are missing, or are skipped due to gender differences, RwmAMMOG and RwpROST are coded as .d, .r, .m, or .s, respectively. RwmAMMOG and RwpROST are asked beginning in Wave 5. Starting in Wave 7, a special missing value of .a is assigned when the respondent is not in the age of active mammogram or prostate cancer testing. Women are asked about receiving mammograms from age 47 to 73, and men are asked about receiving prostate testing from age 55 to 76. The year and month of the last mammogram or prostate test are not released in Waves 8 and 9, and as such, RwmAMMOG and RwpROST are not available in Waves 8 and 9. RwmAMMOG and RwpROST are set to blank missing (.) if the respondent did not participate in the current wave.

SwMAMMOG and SwPROST are the current wave's spouse's reports of preventive health tests and procedures in the last two years. They are taken directly from the spouse's values to RwmAMMOG and RwpROST. In addition to the special missing codes used in RwmAMMOG and RwpROST, SwMAMMOG and SwPROST employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

The preventive behavior questions are asked beginning in Wave 5. They are not asked in Waves 1 to 4.

In Waves 5 and 6, women are asked whether they have ever had a mammogram. Starting in Wave 7, women are asked if they have ever had a mammogram as part of the NHS breast screening programme.

Beginning in Wave 7, only women between the ages of 47 and 73 are asked about mammograms and only men between the ages of 55 to 76 are asked about prostate cancer tests.

In Waves 8 and 9, although the month and year of the last mammogram or prostate test are asked, these answers are not released in the public dataset, as such RwmAMMOG and RwpROST are not available in Waves 8 and 9.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS that asks if the respondent has had specific preventive medical tests or procedures in the last two years, ELSA asks the respondent if they have ever had the specific preventive medical test or procedures. Also while the HRS asks these questions to respondents of all ages, ELSA limits the age range of who is asked these questions starting in Wave 7.

## ELSA Variables Used

HEMAM	Screening: ever had mammogram
HEMAMTM	Screening: month of last mammogram
HEMAMTY	Screening: year of last mammogram
HEPRO	Screening: ever had PSA prostate test
HEPROTM	Screening: month of last PSA test
HEPROTY	Screening: year of last PSA test
Wave 6 Core:	
HEMAM	screening: ever had mammogram
HEMAMTM	screening: month of last mammogram
HEMAMTY	screening: year of last mammogram
HEPRO	screening: ever had psa prostate test
HEPROTM	screening: month of last psa test
HEPROTY	screening: year of last psa test
Wave 7 Core:	
HEMAMB	whether had mammogram
HEMAMTM	screening: month of last mammogram
HEMAMTY	screening: year of last mammogram

HEPRO	screening: ever had psa prostate test
HEPROTM	screening: month of last psa test
HEPROTY	screening: year of last psa test
Wave 8 Core:	
HEMAMB	screening (women): whether ever had breast cancer screen
HEPRO	screening (men): ever had prostate cancer screening (psa
Wave 9 Core:	
HEMAMB	Screening (women): whether ever had breast cancer screen
HEPRO	Screening (men): ever had prostate cancer screening (PSA

<b>Health Behaviors: Physical Activity or Exercise</b>
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Wave	Variable	Label	Type
1	R1VGACTX_E	r1vgactx_e:w1 R Freq vigorous phys activ	Categ
2	R2VGACTX_E	r2vgactx_e:w2 R Freq vigorous phys activ	Categ
3	R3VGACTX_E	r3vgactx_e:w3 R Freq vigorous phys activ	Categ
4	R4VGACTX_E	r4vgactx_e:w4 R Freq vigorous phys activ	Categ
5	R5VGACTX_E	r5vgactx_e:w5 R Freq vigorous phys activ	Categ
6	R6VGACTX_E	r6vgactx_e:w6 R Freq vigorous phys activ	Categ
7	R7VGACTX_E	r7vgactx_e:w7 R Freq vigorous phys activ	Categ
8	R8VGACTX_E	r8vgactx_e:w8 R Freq vigorous phys activ	Categ
9	R9VGACTX_E	r9vgactx_e:w9 R Freq vigorous phys activ	Categ
1	S1VGACTX_E	s1vgactx_e:w1 S Freq vigorous phys activ	Categ
2	S2VGACTX_E	s2vgactx_e:w2 S Freq vigorous phys activ	Categ
3	S3VGACTX_E	s3vgactx_e:w3 S Freq vigorous phys activ	Categ
4	S4VGACTX_E	s4vgactx_e:w4 S Freq vigorous phys activ	Categ
5	S5VGACTX_E	s5vgactx_e:w5 S Freq vigorous phys activ	Categ
6	S6VGACTX_E	s6vgactx_e:w6 S Freq vigorous phys activ	Categ
7	S7VGACTX_E	s7vgactx_e:w7 S Freq vigorous phys activ	Categ
8	S8VGACTX_E	s8vgactx_e:w8 S Freq vigorous phys activ	Categ
9	S9VGACTX_E	s9vgactx_e:w9 S Freq vigorous phys activ	Categ
1	R1MDACTX_E	r1mdactx_e:w1 R Freq moderate phys activ	Categ
2	R2MDACTX_E	r2mdactx_e:w2 R Freq moderate phys activ	Categ
3	R3MDACTX_E	r3mdactx_e:w3 R Freq moderate phys activ	Categ
4	R4MDACTX_E	r4mdactx_e:w4 R Freq moderate phys activ	Categ
5	R5MDACTX_E	r5mdactx_e:w5 R Freq moderate phys activ	Categ
6	R6MDACTX_E	r6mdactx_e:w6 R Freq moderate phys activ	Categ
7	R7MDACTX_E	r7mdactx_e:w7 R Freq moderate phys activ	Categ
8	R8MDACTX_E	r8mdactx_e:w8 R Freq moderate phys activ	Categ
9	R9MDACTX_E	r9mdactx_e:w9 R Freq moderate phys activ	Categ
1	S1MDACTX_E	s1mdactx_e:w1 S Freq moderate phys activ	Categ
2	S2MDACTX_E	s2mdactx_e:w2 S Freq moderate phys activ	Categ
3	S3MDACTX_E	s3mdactx_e:w3 S Freq moderate phys activ	Categ
4	S4MDACTX_E	s4mdactx_e:w4 S Freq moderate phys activ	Categ
5	S5MDACTX_E	s5mdactx_e:w5 S Freq moderate phys activ	Categ
6	S6MDACTX_E	s6mdactx_e:w6 S Freq moderate phys activ	Categ
7	S7MDACTX_E	s7mdactx_e:w7 S Freq moderate phys activ	Categ
8	S8MDACTX_E	s8mdactx_e:w8 S Freq moderate phys activ	Categ
9	S9MDACTX_E	s9mdactx_e:w9 S Freq moderate phys activ	Categ
1	R1LTACTX_E	r1ltactx_e:w1 R Freq light phys activ	Categ
2	R2LTACTX_E	r2ltactx_e:w2 R Freq light phys activ	Categ
3	R3LTACTX_E	r3ltactx_e:w3 R Freq light phys activ	Categ
4	R4LTACTX_E	r4ltactx_e:w4 R Freq light phys activ	Categ
5	R5LTACTX_E	r5ltactx_e:w5 R Freq light phys activ	Categ
6	R6LTACTX_E	r6ltactx_e:w6 R Freq light phys activ	Categ
7	R7LTACTX_E	r7ltactx_e:w7 R Freq light phys activ	Categ
8	R8LTACTX_E	r8ltactx_e:w8 R Freq light phys activ	Categ
9	R9LTACTX_E	r9ltactx_e:w9 R Freq light phys activ	Categ
1	S1LTACTX_E	s1ltactx_e:w1 S Freq light phys activ	Categ
2	S2LTACTX_E	s2ltactx_e:w2 S Freq light phys activ	Categ
3	S3LTACTX_E	s3ltactx_e:w3 S Freq light phys activ	Categ
4	S4LTACTX_E	s4ltactx_e:w4 S Freq light phys activ	Categ
5	S5LTACTX_E	s5ltactx_e:w5 S Freq light phys activ	Categ
6	S6LTACTX_E	s6ltactx_e:w6 S Freq light phys activ	Categ
7	S7LTACTX_E	s7ltactx_e:w7 S Freq light phys activ	Categ

8	S8LTACTX_E	s8ltactx_e:w8	S Freq light phys activ	Categ
9	S9LTACTX_E	s9ltactx_e:w9	S Freq light phys activ	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1VGACTX_E	11905	4.17	1.19	2.00	5.00
R2VGACTX_E	9299	4.16	1.18	2.00	5.00
R3VGACTX_E	9764	4.14	1.21	2.00	5.00
R4VGACTX_E	11039	4.13	1.21	2.00	5.00
R5VGACTX_E	10264	4.14	1.20	2.00	5.00
R6VGACTX_E	10596	4.11	1.23	2.00	5.00
R7VGACTX_E	9662	4.12	1.23	2.00	5.00
R8VGACTX_E	8443	4.15	1.22	2.00	5.00
R9VGACTX_E	8734	4.08	1.27	2.00	5.00
S1VGACTX_E	7935	4.09	1.22	2.00	5.00
S2VGACTX_E	6077	4.07	1.22	2.00	5.00
S3VGACTX_E	6383	4.03	1.25	2.00	5.00
S4VGACTX_E	7394	4.04	1.25	2.00	5.00
S5VGACTX_E	6955	4.03	1.24	2.00	5.00
S6VGACTX_E	7238	3.99	1.27	2.00	5.00
S7VGACTX_E	6556	4.01	1.26	2.00	5.00
S8VGACTX_E	5686	4.04	1.26	2.00	5.00
S9VGACTX_E	5818	3.97	1.30	2.00	5.00
R1MDACTX_E	11903	2.90	1.20	2.00	5.00
R2MDACTX_E	9297	2.83	1.17	2.00	5.00
R3MDACTX_E	9761	2.82	1.17	2.00	5.00
R4MDACTX_E	11039	2.85	1.18	2.00	5.00
R5MDACTX_E	10266	2.87	1.19	2.00	5.00
R6MDACTX_E	10596	2.85	1.20	2.00	5.00
R7MDACTX_E	9663	2.83	1.19	2.00	5.00
R8MDACTX_E	8443	2.83	1.20	2.00	5.00
R9MDACTX_E	8735	2.83	1.20	2.00	5.00
S1MDACTX_E	7935	2.79	1.13	2.00	5.00
S2MDACTX_E	6075	2.71	1.09	2.00	5.00
S3MDACTX_E	6380	2.67	1.06	2.00	5.00
S4MDACTX_E	7394	2.71	1.09	2.00	5.00
S5MDACTX_E	6957	2.72	1.09	2.00	5.00
S6MDACTX_E	7239	2.70	1.10	2.00	5.00
S7MDACTX_E	6557	2.68	1.09	2.00	5.00
S8MDACTX_E	5686	2.69	1.11	2.00	5.00
S9MDACTX_E	5819	2.69	1.11	2.00	5.00
R1LTACTX_E	11905	2.55	1.02	2.00	5.00
R2LTACTX_E	9298	2.43	0.92	2.00	5.00
R3LTACTX_E	9764	2.47	0.96	2.00	5.00
R4LTACTX_E	11039	2.50	0.99	2.00	5.00
R5LTACTX_E	10266	2.48	0.98	2.00	5.00
R6LTACTX_E	10597	2.43	0.94	2.00	5.00
R7LTACTX_E	9663	2.43	0.94	2.00	5.00
R8LTACTX_E	8442	2.44	0.95	2.00	5.00
R9LTACTX_E	8734	2.42	0.93	2.00	5.00
S1LTACTX_E	7934	2.52	0.99	2.00	5.00
S2LTACTX_E	6076	2.39	0.87	2.00	5.00
S3LTACTX_E	6383	2.41	0.90	2.00	5.00
S4LTACTX_E	7394	2.45	0.94	2.00	5.00
S5LTACTX_E	6957	2.42	0.90	2.00	5.00
S6LTACTX_E	7239	2.36	0.86	2.00	5.00

S7LTACTX_E	6557	2.37	0.87	2.00	5.00
S8LTACTX_E	5686	2.39	0.89	2.00	5.00
S9LTACTX_E	5819	2.36	0.86	2.00	5.00

### Categorical Variable Codes

Value-----	R1VGACTX_E	R2VGACTX_E	R3VGACTX_E	R4VGACTX_E	R5VGACTX_E
.d:DK	14		1	4	3
.m:Missing		9			
.p:proxy	175	123		1	4
.r:Refuse	5	1	1	6	3
2.> 1 per week	2145	1661	1899	2164	1951
3.1 per week	1157	905	890	1035	975
4.1-3 per mon	1122	987	934	1059	1049
5.hardly ever or never	7481	5746	6041	6781	6289

Value-----	R6VGACTX_E	R7VGACTX_E	R8VGACTX_E	R9VGACTX_E
.d:DK	1	3		1
.p:proxy		1	2	1
.r:Refuse	4			
2.> 1 per week	2177	1958	1681	1969
3.1 per week	979	890	762	772
4.1-3 per mon	982	852	651	614
5.hardly ever or never	6458	5962	5349	5379

Value-----	S1VGACTX_E	S2VGACTX_E	S3VGACTX_E	S4VGACTX_E	S5VGACTX_E
.d:DK	9		1	2	3
.m:Missing		7			
.p:proxy	122	93		1	4
.r:Refuse	4	1		5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
2.> 1 per week	1585	1216	1421	1610	1491
3.1 per week	831	656	634	770	739
4.1-3 per mon	803	671	686	740	772
5.hardly ever or never	4716	3534	3642	4274	3953

Value-----	S6VGACTX_E	S7VGACTX_E	S8VGACTX_E	S9VGACTX_E
.d:DK	1	3		1
.p:proxy		1	2	1
.r:Refuse	3			
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
2.> 1 per week	1708	1514	1286	1493
3.1 per week	726	673	557	550
4.1-3 per mon	706	630	470	433
5.hardly ever or never	4098	3739	3373	3342

Value-----	R1MDACTX_E	R2MDACTX_E	R3MDACTX_E	R4MDACTX_E	R5MDACTX_E
.d:DK	16	2	4	4	3
.m:Missing		9			
.p:proxy	175	123			
.r:Refuse	5	1	1	7	5
2.> 1 per week	6780	5575	5889	6613	6027
3.1 per week	1924	1360	1450	1578	1521
4.1-3 per mon	807	713	666	768	726
5.hardly ever or never	2392	1649	1756	2080	1992

Value-----	R6MDACTX_E	R7MDACTX_E	R8MDACTX_E	R9MDACTX_E
.d:DK	1	2	1	1
.r:Refuse	4	1	1	
2.> 1 per week	6441	5961	5208	5436
3.1 per week	1402	1238	1097	1080
4.1-3 per mon	669	596	473	509
5.hardly ever or never	2084	1868	1665	1710

Value-----	S1MDACTX_E	S2MDACTX_E	S3MDACTX_E	S4MDACTX_E	S5MDACTX_E
.d:DK	9	2	4	2	3
.m:Missing		7			

.p:proxy	122	93			
.r:Refuse	4	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
2.> 1 per week	4768	3893	4150	4751	4416
3.1 per week	1352	901	992	1100	1075
4.1-3 per mon	538	448	407	481	482
5.hardly ever or never	1277	833	831	1062	984
Value-----	S6MDACTX_E	S7MDACTX_E	S8MDACTX_E	S9MDACTX_E	
.d:DK		2	1	1	
.r:Refuse	3	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
2.> 1 per week	4726	4348	3796	3879	
3.1 per week	1018	890	738	748	
4.1-3 per mon	441	397	294	318	
5.hardly ever or never	1054	922	858	874	
Value-----	R1LTACTX_E	R2LTACTX_E	R3LTACTX_E	R4LTACTX_E	R5LTACTX_E
.d:DK	14	1	1	4	3
.m:Missing		9			
.p:proxy	175	123			
.r:Refuse	5	1	1	7	5
2.> 1 per week	8667	7232	7513	8369	7860
3.1 per week	1367	929	947	1060	1005
4.1-3 per mon	458	321	300	390	298
5.hardly ever or never	1413	816	1004	1220	1103
Value-----	R6LTACTX_E	R7LTACTX_E	R8LTACTX_E	R9LTACTX_E	
.d:DK		2	2	2	
.r:Refuse	4	1	1		
2.> 1 per week	8385	7623	6610	6911	
3.1 per week	873	844	758	794	
4.1-3 per mon	313	254	229	202	
5.hardly ever or never	1026	942	845	827	
Value-----	S1LTACTX_E	S2LTACTX_E	S3LTACTX_E	S4LTACTX_E	S5LTACTX_E
.d:DK	10	1	1	2	3
.m:Missing		7			
.p:proxy	122	93			
.r:Refuse	4	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
2.> 1 per week	5835	4819	5032	5753	5474
3.1 per week	900	568	602	677	665
4.1-3 per mon	357	240	219	273	228
5.hardly ever or never	842	449	530	691	590
Value-----	S6LTACTX_E	S7LTACTX_E	S8LTACTX_E	S9LTACTX_E	
.d:DK		2	1	1	
.r:Refuse	3	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
2.> 1 per week	5902	5299	4562	4727	
3.1 per week	575	566	491	505	
4.1-3 per mon	223	188	171	149	
5.hardly ever or never	539	504	462	438	

## How Constructed

RwVGACTX\_E, RwMDACTX\_E, and RwLTACTX\_E indicate the frequency of vigorous, moderately energetic, or mildly energetic physical activity, respectively. A code of 2 indicates the respondent reported taking part in the given level of physical activity more than once a week. A code of 3 indicates the respondent reported taking part in the given level of physical activity once a week. A code of 4 indicates the respondent reported taking part in the given level of physical activity one to three times a month. A code of 5 indicates the respondent reported taking part in the given level of physical activity hardly ever or never. Don't know, refused, or other missing values of RwVGACTX\_E, RwMDACTX\_E, and RwLTACTX\_E are assigned special missing codes .d, .r, .m, respectively. RwVGACTX\_E, RwMDACTX\_E, and RwLTACTX\_E are set

to special missing .p if the physical activity questions were skipped because the interview was by proxy. RwVGACTX\_E, RwMMDACTX\_E, and RwLTACTX\_E are set to plain missing (.) for respondents who did not respond to the current wave.

SwVGACTX\_E, SwMMDACTX\_E, and SwLTACTX\_E indicate the respondent's spouse's frequency of the given levels of physical activity and are taken directly from spouse's responses to RwVGACTX\_E, RwMMDACTX\_E, and RwLTACTX\_E, respectively. In addition to the special missing codes used in RwVGACTX\_E, RwMMDACTX\_E, and RwLTACTX\_E, SwVGACTX\_E, SwMMDACTX\_E, and SwLTACTX\_E employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Physical activity questions were not asked to proxy respondents in Waves 1 and 2. Proxy respondents were asked about physical activities and exercise from Wave 3 forward.

## Differences with the RAND HRS/Harmonized HRS

ELSA uses a slightly different scale than the scale used in HRS Waves 7 and following. Unlike the HRS, ELSA does not allow respondents to identify their frequency as 1.every day. Also instead of "never", ELSA allows respondents to identify their frequency as "hardly ever or never". These Harmonized ELSA variables should be understood to use a modified scale from the RAND HRS variables with the same naming convention.

## ELSA Variables Used

### Wave 1 Core:

HEACTA	do you take part in sports or activities that are vigorous
HEACTB	do you take part in sports or activities that are moderate
HEACTC	do you take part in sports or activities that are mildly

### Wave 2 Core:

ASKPX1	Whether interviewed by proxy
HEACTA	Frequency does vigorous sports or activities
HEACTB	Frequency does moderate sports or activities
HEACTC	Frequency does mild sports or activities

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
HEACTA	frequency does vigorous sports or activities
HEACTB	frequency does moderate sports or activities
HEACTC	frequency does mild sports or activities

### Wave 4 Core:

ASKPX	whether respondent had an interview by proxy
HEACTA	frequency does vigorous sports or activities
HEACTB	frequency does moderate sports or activities
HEACTC	frequency does mild sports or activities

### Wave 5 Core:

ASKPX	Whether respondent had an interview by proxy
HEACTA	Frequency does vigorous sports or activities
HEACTB	Frequency does moderate sports or activities
HEACTC	Frequency does mild sports or activities

### Wave 6 Core:

ASKPX	whether respondent had an interview by proxy
HEACTA	frequency does vigorous sports or activities
HEACTB	frequency does moderate sports or activities
HEACTC	frequency does mild sports or activities

### Wave 7 Core:

ASKPX	whether respondent had an interview by proxy
HEACTA	frequency does vigorous sports or activities
HEACTB	frequency does moderate sports or activities
HEACTC	frequency does mild sports or activities

### Wave 8 Core:

ASKPX	computed: whether respondent had an interview by proxy
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HEACTA frequency does vigorous sports or activities  
HEACTB frequency does moderate sports or activities  
HEACTC frequency does mild sports or activities

## Wave 9 Core:

ASKPX Computed: whether respondent had an interview by proxy  
HEACTA Frequency does vigorous sports or activities  
HEACTB Frequency does moderate sports or activities  
HEACTC Frequency does mild sports or activities

<b>Health Behaviors: Drinking</b>
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Wave	Variable	Label	Type
1	R1DRINK	r1drink:w1 R ever drinks any alcohol	Categ
2	R2DRINK	r2drink:w2 R ever drinks any alcohol	Categ
3	R3DRINK	r3drink:w3 R ever drinks any alcohol	Categ
4	R4DRINK	r4drink:w4 R ever drinks any alcohol	Categ
5	R5DRINK	r5drink:w5 R ever drinks any alcohol	Categ
6	R6DRINK	r6drink:w6 R ever drinks any alcohol	Categ
7	R7DRINK	r7drink:w7 R ever drinks any alcohol	Categ
8	R8DRINK	r8drink:w8 R ever drinks any alcohol	Categ
9	R9DRINK	r9drink:w9 R ever drinks any alcohol	Categ
1	S1DRINK	s1drink:w1 S ever drinks any alcohol	Categ
2	S2DRINK	s2drink:w2 S ever drinks any alcohol	Categ
3	S3DRINK	s3drink:w3 S ever drinks any alcohol	Categ
4	S4DRINK	s4drink:w4 S ever drinks any alcohol	Categ
5	S5DRINK	s5drink:w5 S ever drinks any alcohol	Categ
6	S6DRINK	s6drink:w6 S ever drinks any alcohol	Categ
7	S7DRINK	s7drink:w7 S ever drinks any alcohol	Categ
8	S8DRINK	s8drink:w8 S ever drinks any alcohol	Categ
9	S9DRINK	s9drink:w9 S ever drinks any alcohol	Categ
2	R2DRINKD_E	r2drinkd_e:w2 R # days/week drinks	Categ
3	R3DRINKD_E	r3drinkd_e:w3 R # days/week drinks	Categ
4	R4DRINKD_E	r4drinkd_e:w4 R # days/week drinks	Categ
5	R5DRINKD_E	r5drinkd_e:w5 R # days/week drinks	Categ
6	R6DRINKD_E	r6drinkd_e:w6 R # days/week drinks	Categ
7	R7DRINKD_E	r7drinkd_e:w7 R # days/week drinks	Categ
8	R8DRINKD_E	r8drinkd_e:w8 R # days/week drinks	Categ
9	R9DRINKD_E	r9drinkd_e:w9 R # days/week drinks	Categ
2	S2DRINKD_E	s2drinkd_e:w2 S # days/week drinks	Categ
3	S3DRINKD_E	s3drinkd_e:w3 S # days/week drinks	Categ
4	S4DRINKD_E	s4drinkd_e:w4 S # days/week drinks	Categ
5	S5DRINKD_E	s5drinkd_e:w5 S # days/week drinks	Categ
6	S6DRINKD_E	s6drinkd_e:w6 S # days/week drinks	Categ
7	S7DRINKD_E	s7drinkd_e:w7 S # days/week drinks	Categ
8	S8DRINKD_E	s8drinkd_e:w8 S # days/week drinks	Categ
9	S9DRINKD_E	s9drinkd_e:w9 S # days/week drinks	Categ
2	R2DRINKN_E	r2drinkn_e:w2 R # drinks/day	Categ
3	R3DRINKN_E	r3drinkn_e:w3 R # drinks/day	Categ
2	S2DRINKN_E	s2drinkn_e:w2 S # drinks/day	Categ
3	S3DRINKN_E	s3drinkn_e:w3 S # drinks/day	Categ
4	R4DRINKWN_E	r4drinkwn_e:w4 R # drinks/week	Categ
5	R5DRINKWN_E	r5drinkwn_e:w5 R # drinks/week	Categ
6	R6DRINKWN_E	r6drinkwn_e:w6 R # drinks/week	Categ
7	R7DRINKWN_E	r7drinkwn_e:w7 R # drinks/week	Categ
8	R8DRINKWN_E	r8drinkwn_e:w8 R # drinks/week	Categ
9	R9DRINKWN_E	r9drinkwn_e:w9 R # drinks/week	Categ
4	S4DRINKWN_E	s4drinkwn_e:w4 S # drinks/week	Categ
5	S5DRINKWN_E	s5drinkwn_e:w5 S # drinks/week	Categ
6	S6DRINKWN_E	s6drinkwn_e:w6 S # drinks/week	Categ
7	S7DRINKWN_E	s7drinkwn_e:w7 S # drinks/week	Categ
8	S8DRINKWN_E	s8drinkwn_e:w8 S # drinks/week	Categ
9	S9DRINKWN_E	s9drinkwn_e:w9 S # drinks/week	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DRINK	11904	0.88	0.32	0.00	1.00
R2DRINK	8144	0.89	0.31	0.00	1.00
R3DRINK	7913	0.89	0.31	0.00	1.00
R4DRINK	9103	0.89	0.32	0.00	1.00
R5DRINK	8862	0.88	0.33	0.00	1.00
R6DRINK	8830	0.87	0.34	0.00	1.00
R7DRINK	8031	0.87	0.34	0.00	1.00
R8DRINK	7134	0.86	0.35	0.00	1.00
R9DRINK	7431	0.86	0.35	0.00	1.00
S1DRINK	7935	0.91	0.29	0.00	1.00
S2DRINK	5580	0.91	0.28	0.00	1.00
S3DRINK	5427	0.91	0.29	0.00	1.00
S4DRINK	6354	0.91	0.29	0.00	1.00
S5DRINK	6112	0.90	0.30	0.00	1.00
S6DRINK	6157	0.89	0.31	0.00	1.00
S7DRINK	5558	0.89	0.31	0.00	1.00
S8DRINK	4870	0.89	0.32	0.00	1.00
S9DRINK	4993	0.88	0.32	0.00	1.00
R2DRINKD_E	8000	2.42	2.47	0.00	7.00
R3DRINKD_E	7816	2.45	2.43	0.00	7.00
R4DRINKD_E	8968	2.44	2.44	0.00	7.00
R5DRINKD_E	8765	2.37	2.46	0.00	7.00
R6DRINKD_E	8753	2.33	2.42	0.00	7.00
R7DRINKD_E	7981	2.27	2.38	0.00	7.00
R8DRINKD_E	7081	2.25	2.38	0.00	7.00
R9DRINKD_E	7305	2.19	2.33	0.00	7.00
S2DRINKD_E	5495	2.61	2.48	0.00	7.00
S3DRINKD_E	5371	2.63	2.43	0.00	7.00
S4DRINKD_E	6258	2.63	2.43	0.00	7.00
S5DRINKD_E	6052	2.56	2.45	0.00	7.00
S6DRINKD_E	6107	2.52	2.42	0.00	7.00
S7DRINKD_E	5524	2.45	2.38	0.00	7.00
S8DRINKD_E	4840	2.42	2.38	0.00	7.00
S9DRINKD_E	4906	2.35	2.33	0.00	7.00
R2DRINKN_E	7782	2.03	2.52	0.00	33.00
R3DRINKN_E	7679	2.18	2.65	0.00	32.00
S2DRINKN_E	5339	2.21	2.55	0.00	33.00
S3DRINKN_E	5276	2.38	2.68	0.00	29.00
R4DRINKWN_E	9023	5.72	8.14	0.00	108.00
R5DRINKWN_E	8808	5.62	8.88	0.00	294.00
R6DRINKWN_E	8796	5.55	7.96	0.00	83.00
R7DRINKWN_E	8007	5.36	7.85	0.00	105.00
R8DRINKWN_E	7111	5.46	8.15	0.00	112.00
R9DRINKWN_E	7402	5.55	8.38	0.00	113.00
S4DRINKWN_E	6303	6.15	7.93	0.00	72.00
S5DRINKWN_E	6084	6.13	9.02	0.00	294.00
S6DRINKWN_E	6136	6.03	8.09	0.00	83.00
S7DRINKWN_E	5541	5.87	8.07	0.00	105.00
S8DRINKWN_E	4858	5.95	8.21	0.00	112.00
S9DRINKWN_E	4978	5.98	8.44	0.00	113.00

## Categorical Variable Codes

Value-----	R1DRINK	R2DRINK	R3DRINK	R4DRINK	R5DRINK
.c:no self-completion inter		1078	1534	1749	1244
.d:DK	15				
.m:Missing		210	319	198	168
.p:proxy	175				
.r:Refuse	5				
0.no	1395	883	878	1034	1105
1.yes	10509	7261	7035	8069	7757
Value-----	R6DRINK	R7DRINK	R8DRINK	R9DRINK	
.c:no self-completion inter	1605	1469	1223	1234	
.m:Missing	166	166	88	71	
0.no	1177	1059	996	1043	
1.yes	7653	6972	6138	6388	
Value-----	S1DRINK	S2DRINK	S3DRINK	S4DRINK	S5DRINK
.c:no self-completion inter		457	771	916	751
.d:DK	9				
.m:Missing		141	186	132	101
.p:proxy	122				
.r:Refuse	4				
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	744	491	500	589	593
1.yes	7191	5089	4927	5765	5519
Value-----	S6DRINK	S7DRINK	S8DRINK	S9DRINK	
.c:no self-completion inter	999	902	761	789	
.m:Missing	86	100	57	38	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	667	595	553	598	
1.yes	5490	4963	4317	4395	

## How Constructed

RwDRINK indicates whether the respondent has had an alcoholic drink during the last 12 months. A code of 0 indicates that the respondent reports not having had an alcoholic drink during the last 12 months. A code of 1 indicates that the respondent reports having had an alcoholic drink during the last 12 months. Don't know, refused, or other missing values of RwDRINK are assigned special missing values .d, .r, .m respectively. In Wave 1, RwDRINK is asked in the core interview and is set to special missing .p if the alcohol question was skipped because the interview was by proxy. In Wave 2 and forward, RwDRINK is asked in the self-completion questionnaire and is set to special missing .c if the respondent was not part of the self-completion sample. RwDRINK is set to plain missing (.) for respondents who did not respond to the current wave.

SwDRINK indicates whether the respondent's spouse has had an alcoholic drink during the last 12 months and is taken directly from the spouse's response to RwDRINK. In addition to the special missing codes used in RwDRINK, SwDRINK employs two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwDRINKD\_E indicates the number of days the respondent reported having an alcoholic drink in the last seven days. This question is only asked if the respondent reported having an alcoholic drink in the past seven days. If a respondent reports they did not have any drink in the past week, then RwDRINKD\_E is assigned a value of 0. Don't know, refused, or other missing values of RwDRINKD\_E are assigned special missing codes .d, .r, .m, respectively. In Wave 2 and forward, RwDRINKD\_E is asked in the self-completion questionnaire and is set to special missing .c if the respondent was not part of the self-completion sample. RwDRINKD\_E is set to plain missing (.) for respondents who did not respond to the current wave.

SwDRINKD\_E is the number of days the respondent's spouse reported having an alcoholic drink in the last seven days and is taken directly from the spouse's response to RwDRINKD\_E. In addition to the special missing codes used in RwDRINKD\_E, SwDRINKD\_E employs two other missing codes, .u and .v. Special missing

value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwDRINKN\_E indicates the number of drinks the respondent reported having on the day when they drank the most during the previous week. ELSA surveys the respondent as to the number of drinks from a list of different drinks: Pints of normal beer, large cans/bottles of normal beer, small cans/bottles of normal beer, pints of strong beer, large cans/bottles of strong beer, cans/bottles of strong beer, glasses of spirit/liquor, glasses of sherry/martini, glasses of wine, and bottles/cans of alcopops. RwDRINKN\_E is the sum of all of these different types of drinks. These questions are only asked if the respondent reported having an alcoholic drink in the past seven days for Waves 2 and 3. If a respondent reports they did not have any drink in the past week, then RwDRINKN\_E is assigned a value of 0. Don't know, refused, or other missing values of RwDRINKN\_E are assigned special missing codes .d, .r, .m, respectively. In Waves 2 and 3, RwDRINKN\_E is asked in the self-completion questionnaire and is set to special missing .c if the respondent was not part of the self-completion sample. RwDRINKN\_E is set to plain missing (.) for respondents who did not respond to the current wave.

SwDRINKN\_E is the number of drinks the respondent's spouse reported having on the day they drank the most during the previous week and is taken directly from the spouse's responses to RwDRINKN\_E. In addition to the special missing codes used in RwDRINKN\_E, SwDRINKN\_E employs two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwDRINKWN\_E indicates the number of drinks the respondent reported drinking during the last 7 days. This measure is available from Wave 4 onward. ELSA surveys the respondent as to the number of measures of spirits, glasses of wine, and pints of beer, each separately. RwDRINKWN\_E is the sum of these 3 different types of drinks. These questions are only asked if the respondent reported having an alcoholic drink in the past seven days. If a respondent reports they did not have any drink in the past week, then RwDRINKWN\_E is assigned a value of 0. Don't know, refused, or other missing values of RwDRINKWN\_E are assigned special missing codes .d, .r, .m, respectively. In Wave 4 and forward, RwDRINKWN\_E is asked in the self-completion questionnaire and is set to special missing .c if the respondent was not part of the self-completion sample. RwDRINKWN\_E is set to plain missing (.) for respondents who did not respond to the current wave.

SwDRINKWN\_E is the number of drinks the respondent's spouse reported drinking during the previous week and is taken directly from the spouse's responses to RwDRINKWN\_E. In addition to the special missing codes used in RwDRINKWN\_E, SwDRINKWN\_E employs two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

In Wave 1, whether drinks any alcohol was asked during the core survey to non-proxy respondents. Frequency of drinking and quantity of drinks were not included in ELSA Wave 1.

Starting in Wave 2, whether drinks any alcohol, frequency of drinking, and quantity of drinks were included in the self-completion survey.

In the Wave 2 and Wave 3 self-completion survey, respondents are asked: "Please think about the day in the last week on which you drank the most." ELSA then surveys the respondent as to the number of consumed drinks for a list of different drinks: Pints of normal beer, large cans/bottles of normal beer, small cans/bottles of normal beer, pints of strong beer, large cans/bottles of strong beer, cans/bottles of strong beer, glasses of spirit/liquor, glasses of sherry/martini, glasses of wine, and bottles/cans of alcopops. These measures are captured in R2DRINKN\_E and R3DRINKN\_E.

Starting in the Wave 4 self-completion survey, respondents are asked: "During the last seven days, how many [drinks] did you have?" ELSA then surveys the respondent as to the number of measures of spirits, glasses of wine, and pints of beer the respondent consumed, each separately. To account for the significant change between the Wave 3 and Wave 4 quantity of drinks wording, the Wave 4 and following wave variables are named RwDRINKWN\_E. The change in variable name is to signify the difference in scope, RwDRINKN\_E refers to drinks in one day while RwDRINKWN\_E refers to drinks in a week, and the difference

in focus, RwdRINKN\_E captures the day when the respondent drank the most in the past week while RwdRINKWN\_E captures every day of the last 7 days.

## Differences with the RAND HRS/Harmonized HRS

Unlike the RAND HRS variable RwdRINKD, RwdRINKD\_E indicates the number of days the respondent reported having an alcoholic drink in the last seven days, not the last three months.

Unlike the HRS, ELSA surveys the respondent as to the number of drinks they had on the day when they drank the most during the previous week for a list of different drinks: Pints of normal beer, large cans/bottles of normal beer, small cans/bottles of normal beer, pints of strong beer, large cans/bottles of strong beer, cans/bottles of strong beer, glasses of spirit/liquor, glasses of sherry/martini, glasses of wine, and bottles/cans of alcopops. RwdRINKN\_E is the sum of all these different types of drinks. The RAND HRS variable RwdRINKN is based on questions about how many drinks they had on the days they drank during the last three months.

## ELSA Variables Used

### Wave 1 Core:

HEALA in the past 12 months have you taken an alcoholic drink

### Wave 2 Core:

SCABNLC Number of large cans or bottles of normal beer drunk on  
 SCABNP Number of pints of normal beer drunk on heaviest day  
 SCABNSC Number of small cans or bottles of normal beer drunk on  
 SCABS LC Number of large cans or bottles of strong beer drunk on  
 SCABSP Number of pints of strong beer drunk on heaviest day  
 SCABSSC Number of small cans or bottles of strong beer drunk on  
 SCAKO How often respondent has had an alcoholic drink during t  
 SCAL7A Whether respondent had an alcoholic drink in the seven d  
 SCAL7B How many days out of the last seven the respondent had a  
 SCAPOPG Number of small cans or bottle of alcopops drunk on heav  
 SCASHER Number of glasses of sherry drunk on heaviest day  
 SCASPIR Number of glasses of spirits drunk on heaviest day  
 SCAWIN Number of glasses of wine drunk on heaviest day  
 SCDRI01 Whether respondent drunk normal beer on the heaviest day  
 SCDRI02 Whether respondent drunk strong beer on the heaviest day  
 SCDRI03 Whether respondent drunk spirits on the heaviest day  
 SCDRI04 Whether respondent drunk sherry on the heaviest day  
 SCDRI05 Whether respondent drunk wine on the heaviest day  
 SCDRI06 Whether respondent drunk alcopops on the heaviest day

### Wave 3 Core:

SCABNLC large cans/bottles of normal beer drunk on day last week  
 SCABNP pints of normal beer drunk on day last week when drank t  
 SCABNSC small cans/bottles of normal beer drunk on day last week  
 SCABS LC large cans/bottles of strong beer drunk on day last week  
 SCABSP pints of strong beer drunk on day last week when drank t  
 SCABSSC cans/bottles of strong beer drunk on day last week when  
 SCAKO how often respondent has had an alcoholic drink during t  
 SCAL7A whether respondent had an alcoholic drink in the seven d  
 SCAL7B how many days out of the last seven the respondent had a  
 SCAPOPG bottles/cans of alcopops drunk on day last week when dra  
 SCASHER glasses of sherry/martini drunk on day last week when dr  
 SCASPIR glasses of spirit/liquor drunk on day last week when dra  
 SCAWIN glasses of wine drunk on day last week when drank the mo  
 SCDRI01 whether drunk normal beer on day last week when they dra  
 SCDRI02 whether drunk strong beer on day last week when they dra  
 SCDRI03 whether drunk spirits/liquors on day last week when they  
 SCDRI04 whether drunk sherry/martini on day last week when they  
 SCDRI05 whether drunk wine on day last week when they drank the  
 SCDRI06 whether drunk alcopops on day last week when they drank  
 SCDRI07 whether drunk other alcohol on day last week when they d

### Wave 4 Core:

SCAKO	how often respondent has had an alcoholic drink during t
SCAL7A	whether respondent had an alcoholic drink in the seven d
SCAL7B	how many days out of the last seven the respondent had a
SCDRPIN	number of pints of beer the respondent had last in the 1
SCDRSPI	number of measures of spirit the respondent had last in
SCDRWIN	number of glasses of wine the respondent had last in the
Wave 5 Core:	
SCAKO	How often respondent has had an alcoholic drink during t
SCAL7A	Whether respondent had an alcoholic drink in the seven d
SCAL7B	How many days out of the last seven the respondent had a
SCDRPIN	Number of pints of beer the respondent had last in the 1
SCDRSPI	Number of measures of spirit the respondent had last in
SCDRWIN	Number of glasses of wine the respondent had last in the
Wave 6 Core:	
SCAKO	how often respondent has had an alcoholic drink during t
SCAL7A	whether respondent had an alcoholic drink in the seven d
SCAL7B	how many days out of the last seven the respondent had a
SCDRPIN	number of pints of beer the respondent had last in the 1
SCDRSPI	number of measures of spirit the respondent had last in
SCDRWIN	number of glasses of wine the respondent had last in the
Wave 7 Core:	
SCAKO	how often respondent has had an alcoholic drink during t
SCAL7A	whether respondent had an alcoholic drink in the seven d
SCAL7B	how many days out of the last seven the respondent had a
SCDRPIN	number of pints of beer the respondent had last in the 1
SCDRSPI	number of measures of spirit the respondent had last in
SCDRWIN	number of glasses of wine the respondent had last in the
Wave 8 Core:	
SCAKO	how often had alcoholic drinks in last 12 months
SCAL7A	whether had an alcoholic drink in the 7 days ending yest
SCAL7B	number of days out of the last 7 that respondent had an
SCDRPIN	number of pints of beer the respondent had last in the 1
SCDRSPI	number of measures of spirit the respondent had last in
SCDRWIN	number of glasses of wine the respondent had last in the
Wave 9 Core:	
SCALCD	How many days out of the last 7 the respondent had an al
SCALCM	How often the respondent has had an alcoholic drink duri
SCALCY	Whether respondent has had an alcoholic drink in the las
SCBEER	Pints of beer the respondent had in the last 7 days
SCSPRT	Measures of spirits the respondent had in the last 7 day
SCWINE	Glasses of wine the respondent had in the last 7 days

<b>Health Behaviors: Smoking (Cigarettes)</b>
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Wave	Variable	Label	Type
1	R1SMOKEV	r1smokev:w1 R smoke ever	Categ
2	R2SMOKEV	r2smokev:w2 R smoke ever	Categ
3	R3SMOKEV	r3smokev:w3 R smoke ever	Categ
4	R4SMOKEV	r4smokev:w4 R smoke ever	Categ
5	R5SMOKEV	r5smokev:w5 R smoke ever	Categ
6	R6SMOKEV	r6smokev:w6 R smoke ever	Categ
7	R7SMOKEV	r7smokev:w7 R smoke ever	Categ
8	R8SMOKEV	r8smokev:w8 R smoke ever	Categ
9	R9SMOKEV	r9smokev:w9 R smoke ever	Categ
1	S1SMOKEV	s1smokev:w1 S smoke ever	Categ
2	S2SMOKEV	s2smokev:w2 S smoke ever	Categ
3	S3SMOKEV	s3smokev:w3 S smoke ever	Categ
4	S4SMOKEV	s4smokev:w4 S smoke ever	Categ
5	S5SMOKEV	s5smokev:w5 S smoke ever	Categ
6	S6SMOKEV	s6smokev:w6 S smoke ever	Categ
7	S7SMOKEV	s7smokev:w7 S smoke ever	Categ
8	S8SMOKEV	s8smokev:w8 S smoke ever	Categ
9	S9SMOKEV	s9smokev:w9 S smoke ever	Categ
1	R1SMOKEN	r1smoken:w1 R smokes now	Categ
2	R2SMOKEN	r2smoken:w2 R smokes now	Categ
3	R3SMOKEN	r3smoken:w3 R smokes now	Categ
4	R4SMOKEN	r4smoken:w4 R smokes now	Categ
5	R5SMOKEN	r5smoken:w5 R smokes now	Categ
6	R6SMOKEN	r6smoken:w6 R smokes now	Categ
7	R7SMOKEN	r7smoken:w7 R smokes now	Categ
8	R8SMOKEN	r8smoken:w8 R smokes now	Categ
9	R9SMOKEN	r9smoken:w9 R smokes now	Categ
1	S1SMOKEN	s1smoken:w1 S smokes now	Categ
2	S2SMOKEN	s2smoken:w2 S smokes now	Categ
3	S3SMOKEN	s3smoken:w3 S smokes now	Categ
4	S4SMOKEN	s4smoken:w4 S smokes now	Categ
5	S5SMOKEN	s5smoken:w5 S smokes now	Categ
6	S6SMOKEN	s6smoken:w6 S smokes now	Categ
7	S7SMOKEN	s7smoken:w7 S smokes now	Categ
8	S8SMOKEN	s8smoken:w8 S smokes now	Categ
9	S9SMOKEN	s9smoken:w9 S smokes now	Categ
1	R1SMOKEF	r1smokef:w1 R # cigarettes/day	Categ
2	R2SMOKEF	r2smokef:w2 R # cigarettes/day	Categ
3	R3SMOKEF	r3smokef:w3 R # cigarettes/day	Categ
4	R4SMOKEF	r4smokef:w4 R # cigarettes/day	Categ
5	R5SMOKEF	r5smokef:w5 R # cigarettes/day	Categ
6	R6SMOKEF	r6smokef:w6 R # cigarettes/day	Categ
7	R7SMOKEF	r7smokef:w7 R # cigarettes/day	Categ
8	R8SMOKEF	r8smokef:w8 R # cigarettes/day	Categ
9	R9SMOKEF	r9smokef:w9 R # cigarettes/day	Categ
1	S1SMOKEF	s1smokef:w1 S # cigarettes/day	Categ
2	S2SMOKEF	s2smokef:w2 S # cigarettes/day	Categ
3	S3SMOKEF	s3smokef:w3 S # cigarettes/day	Categ
4	S4SMOKEF	s4smokef:w4 S # cigarettes/day	Categ
5	S5SMOKEF	s5smokef:w5 S # cigarettes/day	Categ
6	S6SMOKEF	s6smokef:w6 S # cigarettes/day	Categ
7	S7SMOKEF	s7smokef:w7 S # cigarettes/day	Categ



8	S8SMOKEF	s8smokef:w8	S # cigarettes/day	Categ
9	S9SMOKEF	s9smokef:w9	S # cigarettes/day	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SMOKEV	11909	0.64	0.48	0.00	1.00
R2SMOKEV	9430	0.63	0.48	0.00	1.00
R3SMOKEV	9759	0.61	0.49	0.00	1.00
R4SMOKEV	10881	0.60	0.49	0.00	1.00
R5SMOKEV	10139	0.62	0.49	0.00	1.00
R6SMOKEV	10407	0.62	0.49	0.00	1.00
R7SMOKEV	9485	0.62	0.48	0.00	1.00
R8SMOKEV	8327	0.62	0.48	0.00	1.00
R9SMOKEV	8532	0.60	0.49	0.00	1.00
S1SMOKEV	7937	0.64	0.48	0.00	1.00
S2SMOKEV	6176	0.63	0.48	0.00	1.00
S3SMOKEV	6378	0.60	0.49	0.00	1.00
S4SMOKEV	7241	0.59	0.49	0.00	1.00
S5SMOKEV	6831	0.62	0.49	0.00	1.00
S6SMOKEV	7049	0.61	0.49	0.00	1.00
S7SMOKEV	6382	0.61	0.49	0.00	1.00
S8SMOKEV	5572	0.61	0.49	0.00	1.00
S9SMOKEV	5617	0.59	0.49	0.00	1.00
R1SMOKEN	11909	0.18	0.39	0.00	1.00
R2SMOKEN	9426	0.16	0.36	0.00	1.00
R3SMOKEN	9761	0.15	0.36	0.00	1.00
R4SMOKEN	10827	0.14	0.35	0.00	1.00
R5SMOKEN	9968	0.13	0.34	0.00	1.00
R6SMOKEN	10596	0.12	0.33	0.00	1.00
R7SMOKEN	9664	0.11	0.32	0.00	1.00
R8SMOKEN	8412	0.09	0.29	0.00	1.00
R9SMOKEN	8734	0.10	0.30	0.00	1.00
S1SMOKEN	7937	0.17	0.37	0.00	1.00
S2SMOKEN	6174	0.14	0.35	0.00	1.00
S3SMOKEN	6383	0.14	0.34	0.00	1.00
S4SMOKEN	7220	0.13	0.33	0.00	1.00
S5SMOKEN	6706	0.11	0.32	0.00	1.00
S6SMOKEN	7237	0.11	0.31	0.00	1.00
S7SMOKEN	6558	0.10	0.30	0.00	1.00
S8SMOKEN	5657	0.09	0.28	0.00	1.00
S9SMOKEN	5819	0.09	0.28	0.00	1.00
R1SMOKEF	11896	2.11	6.02	0.00	57.14
R2SMOKEF	9403	1.71	5.52	0.00	52.86
R3SMOKEF	9730	1.63	5.31	0.00	60.00
R4SMOKEF	10803	1.49	5.33	0.00	100.00
R5SMOKEF	9916	1.31	5.02	0.00	124.29
R6SMOKEF	10526	1.17	4.60	0.00	66.00
R7SMOKEF	9594	0.97	4.20	0.00	100.00
R8SMOKEF	8364	0.79	3.72	0.00	66.00
R9SMOKEF	8669	0.69	3.48	0.00	60.00
S1SMOKEF	7928	1.94	5.80	0.00	57.14
S2SMOKEF	6155	1.51	5.27	0.00	52.86
S3SMOKEF	6359	1.41	4.97	0.00	40.00
S4SMOKEF	7198	1.26	4.71	0.00	60.00
S5SMOKEF	6663	1.12	4.58	0.00	80.00
S6SMOKEF	7169	0.99	4.15	0.00	61.71

S7SMOKEF	6497	0.78	3.64	0.00	40.00
S8SMOKEF	5613	0.65	3.28	0.00	42.86
S9SMOKEF	5758	0.57	3.10	0.00	40.00

### Categorical Variable Codes

Value-----	R1SMOKEV	R2SMOKEV	R3SMOKEV	R4SMOKEV	R5SMOKEV
.d:DK	11		1	2	
.m:Missing		1	6	20	
.p:proxy	174			143	133
.r:Refuse	5	1		4	2
0.No	4289	3479	3773	4341	3840
1.Yes	7620	5951	5986	6540	6299

Value-----	R6SMOKEV	R7SMOKEV	R8SMOKEV	R9SMOKEV
.m:Missing	1	5	7	6
.p:proxy	192	176	111	198
.r:Refuse	1			
0.No	3956	3586	3146	3422
1.Yes	6451	5899	5181	5110

Value-----	S1SMOKEV	S2SMOKEV	S3SMOKEV	S4SMOKEV	S5SMOKEV
.d:DK	7		1	2	
.m:Missing		1	5	19	
.p:proxy	122			136	131
.r:Refuse	4	1		4	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	2837	2302	2526	2964	2625
1.Yes	5100	3874	3852	4277	4206

Value-----	S6SMOKEV	S7SMOKEV	S8SMOKEV	S9SMOKEV
.m:Missing	1	5	7	6
.p:proxy	191	173	109	197
.r:Refuse	1			
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.No	2739	2478	2156	2314
1.Yes	4310	3904	3416	3303

Value-----	R1SMOKEN	R2SMOKEN	R3SMOKEN	R4SMOKEN	R5SMOKEN
.d:DK	11	4	3	3	2
.m:Missing		1		69	
.p:proxy	174			145	301
.r:Refuse	5	1	2	6	3
0.No	9753	7955	8260	9285	8660
1.Yes	2156	1471	1501	1542	1308

Value-----	R6SMOKEN	R7SMOKEN	R8SMOKEN	R9SMOKEN
.d:DK	2	1	32	2
.r:Refuse	3	1	1	
0.No	9292	8577	7615	7885
1.Yes	1304	1087	797	849

Value-----	S1SMOKEN	S2SMOKEN	S3SMOKEN	S4SMOKEN	S5SMOKEN
.d:DK	7	2	1	2	2
.m:Missing		1		37	
.p:proxy	122			138	254
.r:Refuse	4	1		5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No	6596	5294	5513	6317	5936
1.Yes	1341	880	870	903	770

Value-----	S6SMOKEN	S7SMOKEN	S8SMOKEN	S9SMOKEN
.d:DK	2	1	30	1
.r:Refuse	3	1	1	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630

0.No		6447	5921	5176	5320
1.Yes		790	637	481	499

## How Constructed

RwSMOKEV indicates whether the respondent reports ever having smoked. The answer to the respondent's first ever-smoked question is fed-forward for subsequent waves. A code of 0 indicates that the respondent reports never having smoked. A code of 1 indicates that the respondent reports having ever smoked. Don't know, refused, or other missing values to RwSMOKEV are assigned special missing codes .d, .r, .m, respectively. RwSMOKEV is set to special missing .p if the smoking question was skipped because the interview was by proxy. RwSMOKEV is set to plain missing (.) for respondents who did not respond to the current wave.

SwSMOKEV indicates whether respondent's spouse reports ever having smoked and is taken directly from the spouse's responses to RwSMOKEV. In addition to the special missing codes used in RwSMOKEV, SwSMOKEV employs two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwSMOKEN indicates whether the respondent reports smoking at all nowadays. This question is only asked if the respondent reports ever smoking. If the respondent reported never smoking, then RwSMOKEN is assigned a value of "no". A code of 0 indicates that the respondent reports not smoking nowadays. A code of 1 indicates that the respondent reports smoking nowadays. Don't know, refused, or other missing values of RwSMOKEN are assigned special missing codes .d, .r, .m, respectively. RwSMOKEN is set to special missing .p if the smoking question was skipped because the interview was by proxy. RwSMOKEN is set to plain missing (.) for respondents who did not respond to the current wave.

SwSMOKEN indicates whether the respondent's spouse reports smoking at all nowadays and is taken directly from the spouse's responses to RwSMOKEN. In addition to the special missing codes used in RwSMOKEN, SwSMOKEN employs two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwSMOKEF indicates how many cigarettes the respondent smokes on average per day. If the respondent indicates that they smoke cigarettes at all nowadays, then they will be asked if they smoke cigarettes or roll ups. All respondents who report smoking cigarettes or cigarettes and roll ups are then asked separately about the number of cigarettes a day they usually smoke on weekdays and the number of cigarettes a day they usually smoke on weekends. Since the respondent reports the amount of cigarettes smoked on weekends and on weekdays, we calculated the average amount of cigarettes the respondent smokes per day. To calculate the average for the number of cigarettes, we added the amount of cigarettes a day the respondent smokes on weekdays times 5 and the amount of cigarettes a day the respondent smokes on the weekend times 2 to obtain the number of cigarettes smoked per week, and divided the total number of cigarettes smoked per week by 7. If the respondent reports they do not currently smoke or that they only smoke roll ups, RwSMOKEF is assigned a value of 0. When respondents don't know, are missing, or refuse to answer, RwSMOKEF is assigned special missing values .d, .m, or .r, respectively. RwSMOKEF is set to special missing .p if the smoking question was skipped because the interview was by proxy. RwSMOKEF is set to plain missing (.) for respondents who did not respond to the current wave.

SwSMOKEF records how many cigarettes the respondent's spouse smokes on average per day and is taken directly from RwSMOKEF. In addition to the special missing codes used in RwSMOKEF, SwSMOKEF employs the special missing value .u, when the respondent does not report being coupled in the current wave, and the special missing value .v, when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Smoking questions were asked to different groups of respondents in different waves. These are two questions that were asked to the respondents:

1. Have you ever smoked cigarettes?
2. Do you smoke cigarettes at all nowadays?

In Wave 1, the first question was asked to every respondent who was not surveyed by proxy, and the second question was asked to every respondent who gave a positive answer to the first question.

In Wave 2, the first question was asked to respondents who did not answer in the first wave, even if the respondent was surveyed by proxy. The second question was asked to respondents who gave positive answers to the first question.

In Wave 3, the first question was only asked to the people who were not surveyed by proxy and did not answer the first question in the previous two waves. The second question was asked for all except those whose current answer to ever smoking was no, including proxies.

In Wave 4, the first question was only asked to respondents who were not surveyed by proxy and did not answer the first question in the previous waves. The second question was not asked to respondents who gave negative answers or to proxies when there was no previous answer to the first question.

In Wave 5, the first question was asked to non-proxy respondents and was not asked to respondents who had previously answered yes to the question. The second question was not asked to respondents who gave a negative answer to the first question or to proxies when there was no previous yes answer.

Starting in Wave 6, the first question was asked to non-proxy respondents and was not asked to respondents who had previously answered yes to the question. The second question was asked to all respondents except those whose current answer to ever smoking was no, including proxies.

## Differences with the RAND HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

### Wave 1 Core:

HECIG	do you smoke cigarettes or roll ups?
HESKA	do you smoke cigarettes at all nowadays?
HESKB	about how many cigarettes a day do you usually smoke on
HESKC	about how many cigarettes a day do you usually smoke on
HESMK	have you ever smoked cigarettes?

### Wave 2 Core:

HECIG	Type of nicotine product smokes
HESKA	Whether smokes cigarettes at all nowadays
HESKB	Number of cigarettes smoke per weekday
HESKC	Number of cigarettes smoke per weekend day
HESKE	Reason disputed reported smoking from wave 1
HESMK	Whether ever smoked cigarettes

### Wave 3 Core:

HECIG	type of nicotine product smokes
HESKA	whether smokes cigarettes at all nowadays
HESKB	number of cigarettes smoke per weekday
HESKC	number of cigarettes smoke per weekend day
HESKE	reason disputed reported smoking at last interview
HESMK	whether ever smoked cigarettes

### Wave 4 Core:

HECIG	type of nicotine product smokes
HESKA	whether smokes cigarettes at all nowadays
HESKB	number of cigarettes smoke per weekday
HESKC	number of cigarettes smoke per weekend day
HESKE	reason disputed reported smoking at last interview
HESMK	whether ever smoked cigarettes

### Wave 5 Core:

HECIG	Type of nicotine product smokes
HESKA	Whether smokes cigarettes at all nowadays
HESKB	Number of cigarettes smoke per weekday
HESKC	Number of cigarettes smoke per weekend day
HESKE	Reason disputed reported smoking at last interview

HESMK	Whether ever smoked cigarettes
Wave 6 Core:	
HECIG	type of nicotine product smokes
HESKA	whether smokes cigarettes at all nowadays
HESKB	number of cigarettes smoke per weekday
HESKC	number of cigarettes smoke per weekend day
HESKE	reason disputed reported smoking at last interview
HESMK	whether ever smoked cigarettes
Wave 7 Core:	
HECIG	type of nicotine product smokes
HESKA	whether smokes cigarettes at all nowadays
HESKB	number of cigarettes smoke per weekday
HESKC	number of cigarettes smoke per weekend day
HESKE	reason disputed reported smoking at last interview
HESMK	whether ever smoked cigarettes
Wave 8 Core:	
HECIG	type of nicotine product smokes
HESKA	whether smokes cigarettes at all nowadays
HESKB	number of cigarettes smoke per weekday
HESKC	number of cigarettes smoke per weekend day
HESKE	reason disputed reported smoking at last interview
HESMK	whether ever smoked cigarettes
Wave 9 Core:	
HECIG	Type of nicotine product smokes
HESKA	Whether smokes cigarettes at all nowadays
HESKB	Number of cigarettes smoke per weekday
HESKC	Number of cigarettes smoke per weekend day
HESKE	Reason disputed reported smoking at last interview
HESMK	Whether ever smoked cigarettes

<b>Change in Health: Self-Reported Health</b>
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Wave	Variable	Label	Type
2	R2SHLTC	r2shltc:w2 r Change in self-reported hlth	Categ
4	R4SHLTC	r4shltc:w4 r Change in self-reported hlth	Categ
5	R5SHLTC	r5shltc:w5 r Change in self-reported hlth	Categ
6	R6SHLTC	r6shltc:w6 r Change in self-reported hlth	Categ
7	R7SHLTC	r7shltc:w7 r Change in self-reported hlth	Categ
8	R8SHLTC	r8shltc:w8 r Change in self-reported hlth	Categ
9	R9SHLTC	r9shltc:w9 r Change in self-reported hlth	Categ
2	S2SHLTC	s2shltc:w2 s Change in self-reported hlth	Categ
4	S4SHLTC	s4shltc:w4 s Change in self-reported hlth	Categ
5	S5SHLTC	s5shltc:w5 s Change in self-reported hlth	Categ
6	S6SHLTC	s6shltc:w6 s Change in self-reported hlth	Categ
7	S7SHLTC	s7shltc:w7 s Change in self-reported hlth	Categ
8	S8SHLTC	s8shltc:w8 s Change in self-reported hlth	Categ
9	S9SHLTC	s9shltc:w9 s Change in self-reported hlth	Categ
2	R2SHLTCF	r2shlctf:w2 r Flag chg self-reported hlth	Categ
4	R4SHLTCF	r4shlctf:w4 r Flag chg self-reported hlth	Categ
5	R5SHLTCF	r5shlctf:w5 r Flag chg self-reported hlth	Categ
6	R6SHLTCF	r6shlctf:w6 r Flag chg self-reported hlth	Categ
7	R7SHLTCF	r7shlctf:w7 r Flag chg self-reported hlth	Categ
8	R8SHLTCF	r8shlctf:w8 r Flag chg self-reported hlth	Categ
9	R9SHLTCF	r9shlctf:w9 r Flag chg self-reported hlth	Categ
2	S2SHLTCF	s2shlctf:w2 s Flag chg self-reported hlth	Categ
4	S4SHLTCF	s4shlctf:w4 s Flag chg self-reported hlth	Categ
5	S5SHLTCF	s5shlctf:w5 s Flag chg self-reported hlth	Categ
6	S6SHLTCF	s6shlctf:w6 s Flag chg self-reported hlth	Categ
7	S7SHLTCF	s7shlctf:w7 s Flag chg self-reported hlth	Categ
8	S8SHLTCF	s8shlctf:w8 s Flag chg self-reported hlth	Categ
9	S9SHLTCF	s9shlctf:w9 s Flag chg self-reported hlth	Categ
3	R3SHLTAC	r3shltac:w3 r Change in self-reported hlth, European scale	Categ
3	S3SHLTAC	s3shltac:w3 s Change in self-reported hlth, European scale	Categ
3	R3SHLTACF	r3shltacf:w3 r Flag chg self-reported hlth, European scale	Categ
3	S3SHLTACF	s3shltacf:w3 s Flag chg self-reported hlth, European scale	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SHLTC	9164	0.10	0.94	-4.00	4.00
R4SHLTC	6740	0.15	0.94	-4.00	4.00
R5SHLTC	9485	0.06	0.90	-4.00	4.00
R6SHLTC	8827	0.10	0.87	-4.00	4.00
R7SHLTC	8591	0.05	0.87	-4.00	4.00
R8SHLTC	7915	0.07	0.87	-4.00	4.00
R9SHLTC	7013	0.08	0.88	-4.00	4.00
S2SHLTC	5955	0.09	0.93	-4.00	4.00
S4SHLTC	4208	0.12	0.93	-4.00	4.00
S5SHLTC	6343	0.06	0.89	-4.00	4.00
S6SHLTC	5896	0.09	0.86	-4.00	4.00
S7SHLTC	5717	0.05	0.86	-4.00	4.00

S8SHLTC	5247	0.08	0.86	-4.00	4.00
S9SHLTC	4562	0.07	0.87	-4.00	4.00
R2SHLTCF	9432	0.26	1.50	0.00	9.00
R4SHLTCF	11050	4.09	3.93	0.00	9.00
R5SHLTCF	10274	3.45	1.62	1.00	9.00
R6SHLTCF	10601	4.80	1.91	1.00	9.00
R7SHLTCF	9666	5.39	1.34	1.00	9.00
R8SHLTCF	8445	6.07	0.99	1.00	9.00
R9SHLTCF	8736	7.25	1.17	1.00	9.00
S2SHLTCF	6178	0.32	1.68	0.00	9.00
S4SHLTCF	7402	4.43	3.99	0.00	9.00
S5SHLTCF	6964	3.52	1.73	1.00	9.00
S6SHLTCF	7242	4.89	1.98	1.00	9.00
S7SHLTCF	6560	5.46	1.41	1.00	9.00
S8SHLTCF	5688	6.12	1.05	1.00	9.00
S9SHLTCF	5820	7.29	1.19	1.00	9.00
R3SHLTAC	7777	0.16	0.84	-3.00	4.00
S3SHLTAC	4882	0.16	0.80	-3.00	4.00
R3SHLTACF	9766	1.83	3.62	0.00	9.00
S3SHLTACF	6382	2.12	3.82	0.00	9.00

**Categorical Variable Codes**

Value-----	R2SHLTCF	R4SHLTCF	R5SHLTCF	
0.Used IW-1	9164	344		
1.Used IW-2		6396	64	
2.Used IW-3			148	
3.Used IW-4			9151	
4.Used IW-5			93	
5.Used IW-6			29	
9.Missing	268	4310	789	
Value-----	R6SHLTCF	R7SHLTCF	R8SHLTCF	R9SHLTCF
1.Used IW-2	43	25	37	33
2.Used IW-3	99	76	100	100
3.Used IW-4	104	89	84	88
4.Used IW-5	8553	54	67	58
5.Used IW-6	28	8347	33	17
6.Used IW-7			7594	
7.Used IW-8				6717
9.Missing	1774	1075	530	1723
Value-----	S2SHLTCF	S4SHLTCF	S5SHLTCF	
.u:Unmar	2671	2932	2742	
.v:SP NR	583	716	568	
0.Used IW-1	5955	183		
1.Used IW-2		4025	43	
2.Used IW-3			99	
3.Used IW-4			6140	
4.Used IW-5			45	
5.Used IW-6			16	
9.Missing	223	3194	621	
Value-----	S6SHLTCF	S7SHLTCF	S8SHLTCF	S9SHLTCF
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.Used IW-2	32	19	27	26
2.Used IW-3	64	47	65	69
3.Used IW-4	61	61	59	49
4.Used IW-5	5721	30	37	29

5.Used IW-6	18	5560	21	9
6.Used IW-7			5038	
7.Used IW-8				4380
9.Missing	1346	843	441	1258
Value-----			R3SHLTACF	
0.Used IW-1			7777	
9.Missing			1989	
Value-----			S3SHLTACF	
.u:Unmar			2706	
.v:SP NR			676	
0.Used IW-1			4882	
9.Missing			1500	

## How Constructed

RwSHLTC is the change in self-reported health status from the last self-report to the current interview. R3SHLTACF is the change in the alternative scale of self-reported health status from the last self-report to the current interview.

The derivation of RwSHLTC and R3SHLTACF is:

$$\text{RwSHLTC} = \text{RwSHLT} - \text{RpSHLT}$$

$$\text{R3SHLTACF} = \text{R3SHLTA} - \text{Rp3SHLTA}$$

where 'w' means current wave and 'p' means the wave with the last self-report of health for the given scale. For example, if an individual responded to Waves 1 and 3, R3SHLTC = R3SHLT - R1SHLT. Since a lower number means better health in the R3SHLT variables, a positive value for R3SHLTC indicates a decline in self-rated health.

Don't know, refused, or other missing responses to R3SHLTC are assigned special missing values .d, .r, .m respectively. R3SHLTC is set to special missing .c if the respondent did not have a previous interview. R3SHLTC is assigned plain missing (.) if the respondent did not participate in the current wave.

SwSHLTC and SwSHLTACF are taken directly from the respondent's spouse's responses to R3SHLTC and R3SHLTACF, respectively. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

R3SHLTCF indicates how far back the last self-report of health was. R3SHLTACF indicates how far back the last self-report of health using the alternative scale was. A code of 0 indicates that the previous interview was the 1st wave. A code of 1 indicates that the previous interview was the 2nd wave, and so on. R3SHLTCF is assigned plain missing (.) if the respondent did not participate in the current wave.

SwSHLTCF and SwSHLTACF indicate how far back the respondent's spouse's last report of health was for a given scale and are taken directly from the spouse's responses in R3SHLTCF and R3SHLTACF. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

The first scale of self-reported general health status is used in every wave except the 3rd wave of the ELSA. The second (alternative) scale of self reported general health status is used in the 1st and 3rd wave of the ELSA.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, the ELSA varied when the respondent was asked R3SHLT inside the health module during Wave 1. R1SHLTF indicates this timing.



Unlike the HRS, ELSA also employs a second scale of self-reported general health status. RWSHLTA is the respondent's self-reported general health status using a scale ranging from Very Good to Very Bad.

## ELSA Variables Used

Wave 1 Core:	
HEGENH	how is your health in general? would you say it was ...? {
HEGENHB	would you say your health is ... ? {end of section}
HEHELF	would you say your health is ... ? {start of section}
HEHELFB	how is your health in general? would you say it was ...? {
Wave 2 Core:	
HEHELF	Self-reported general health
Wave 3 Core:	
HEGENH	self-reported general health
Wave 4 Core:	
HEHELF	self-reported general health
Wave 5 Core:	
HEHELF	Self-reported general health
Wave 6 Core:	
HEHELF	self-reported general health
Wave 7 Core:	
HEHELF	self-reported general health
Wave 8 Core:	
HEHELF	self-reported general health
Wave 9 Core:	
HEHELF	Self-reported general health

<b>Change in Health: Functional Limitations</b>
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Wave	Variable	Label	Type
2	R2ADLC	r2adlc:w2 r Change-ADLs /0-5	Categ
3	R3ADLC	r3adlc:w3 r Change-ADLs /0-5	Categ
4	R4ADLC	r4adlc:w4 r Change-ADLs /0-5	Categ
5	R5ADLC	r5adlc:w5 r Change-ADLs /0-5	Categ
6	R6ADLC	r6adlc:w6 r Change-ADLs /0-5	Categ
7	R7ADLC	r7adlc:w7 r Change-ADLs /0-5	Categ
8	R8ADLC	r8adlc:w8 r Change-ADLs /0-5	Categ
9	R9ADLC	r9adlc:w9 r Change-ADLs /0-5	Categ
2	S2ADLC	s2adlc:w2 s Change-ADLs /0-5	Categ
3	S3ADLC	s3adlc:w3 s Change-ADLs /0-5	Categ
4	S4ADLC	s4adlc:w4 s Change-ADLs /0-5	Categ
5	S5ADLC	s5adlc:w5 s Change-ADLs /0-5	Categ
6	S6ADLC	s6adlc:w6 s Change-ADLs /0-5	Categ
7	S7ADLC	s7adlc:w7 s Change-ADLs /0-5	Categ
8	S8ADLC	s8adlc:w8 s Change-ADLs /0-5	Categ
9	S9ADLC	s9adlc:w9 s Change-ADLs /0-5	Categ
2	R2ADLF	r2adlf:w2 r Chg Flag-ADLs /0-5	Categ
3	R3ADLF	r3adlf:w3 r Chg Flag-ADLs /0-5	Categ
4	R4ADLF	r4adlf:w4 r Chg Flag-ADLs /0-5	Categ
5	R5ADLF	r5adlf:w5 r Chg Flag-ADLs /0-5	Categ
6	R6ADLF	r6adlf:w6 r Chg Flag-ADLs /0-5	Categ
7	R7ADLF	r7adlf:w7 r Chg Flag-ADLs /0-5	Categ
8	R8ADLF	r8adlf:w8 r Chg Flag-ADLs /0-5	Categ
9	R9ADLF	r9adlf:w9 r Chg Flag-ADLs /0-5	Categ
2	S2ADLF	s2adlf:w2 s Chg Flag-ADLs /0-5	Categ
3	S3ADLF	s3adlf:w3 s Chg Flag-ADLs /0-5	Categ
4	S4ADLF	s4adlf:w4 s Chg Flag-ADLs /0-5	Categ
5	S5ADLF	s5adlf:w5 s Chg Flag-ADLs /0-5	Categ
6	S6ADLF	s6adlf:w6 s Chg Flag-ADLs /0-5	Categ
7	S7ADLF	s7adlf:w7 s Chg Flag-ADLs /0-5	Categ
8	S8ADLF	s8adlf:w8 s Chg Flag-ADLs /0-5	Categ
9	S9ADLF	s9adlf:w9 s Chg Flag-ADLs /0-5	Categ
2	R2GROSSC	r2grossc:w2 r Chg:Walk1/R,Clim1,Bed,Bath/5	Categ
3	R3GROSSC	r3grossc:w3 r Chg:Walk1/R,Clim1,Bed,Bath/5	Categ
4	R4GROSSC	r4grossc:w4 r Chg:Walk1/R,Clim1,Bed,Bath/5	Categ
5	R5GROSSC	r5grossc:w5 r Chg:Walk1/R,Clim1,Bed,Bath/5	Categ
6	R6GROSSC	r6grossc:w6 r Chg:Walk1/R,Clim1,Bed,Bath/5	Categ
7	R7GROSSC	r7grossc:w7 r Chg:Walk1/R,Clim1,Bed,Bath/5	Categ
8	R8GROSSC	r8grossc:w8 r Chg:Walk1/R,Clim1,Bed,Bath/5	Categ
9	R9GROSSC	r9grossc:w9 r Chg:Walk1/R,Clim1,Bed,Bath/5	Categ
2	S2GROSSC	s2grossc:w2 s Chg:Walk1/R,Clim1,Bed,Bath/5	Categ
3	S3GROSSC	s3grossc:w3 s Chg:Walk1/R,Clim1,Bed,Bath/5	Categ
4	S4GROSSC	s4grossc:w4 s Chg:Walk1/R,Clim1,Bed,Bath/5	Categ
5	S5GROSSC	s5grossc:w5 s Chg:Walk1/R,Clim1,Bed,Bath/5	Categ
6	S6GROSSC	s6grossc:w6 s Chg:Walk1/R,Clim1,Bed,Bath/5	Categ
7	S7GROSSC	s7grossc:w7 s Chg:Walk1/R,Clim1,Bed,Bath/5	Categ
8	S8GROSSC	s8grossc:w8 s Chg:Walk1/R,Clim1,Bed,Bath/5	Categ
9	S9GROSSC	s9grossc:w9 s Chg:Walk1/R,Clim1,Bed,Bath/5	Categ
2	R2GROSSF	r2grossf:w2 r ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
3	R3GROSSF	r3grossf:w3 r ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
4	R4GROSSF	r4grossf:w4 r ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ

5	R5GROSSF	r5grossf:w5	r	ChgF:Walk1/R,Clim1,Bed,Bath	/0-5	Categ
6	R6GROSSF	r6grossf:w6	r	ChgF:Walk1/R,Clim1,Bed,Bath	/0-5	Categ
7	R7GROSSF	r7grossf:w7	r	ChgF:Walk1/R,Clim1,Bed,Bath	/0-5	Categ
8	R8GROSSF	r8grossf:w8	r	ChgF:Walk1/R,Clim1,Bed,Bath	/0-5	Categ
9	R9GROSSF	r9grossf:w9	r	ChgF:Walk1/R,Clim1,Bed,Bath	/0-5	Categ
2	S2GROSSF	s2grossf:w2	s	ChgF:Walk1/R,Clim1,Bed,Bath	/0-5	Categ
3	S3GROSSF	s3grossf:w3	s	ChgF:Walk1/R,Clim1,Bed,Bath	/0-5	Categ
4	S4GROSSF	s4grossf:w4	s	ChgF:Walk1/R,Clim1,Bed,Bath	/0-5	Categ
5	S5GROSSF	s5grossf:w5	s	ChgF:Walk1/R,Clim1,Bed,Bath	/0-5	Categ
6	S6GROSSF	s6grossf:w6	s	ChgF:Walk1/R,Clim1,Bed,Bath	/0-5	Categ
7	S7GROSSF	s7grossf:w7	s	ChgF:Walk1/R,Clim1,Bed,Bath	/0-5	Categ
8	S8GROSSF	s8grossf:w8	s	ChgF:Walk1/R,Clim1,Bed,Bath	/0-5	Categ
9	S9GROSSF	s9grossf:w9	s	ChgF:Walk1/R,Clim1,Bed,Bath	/0-5	Categ
2	R2FINEC	r2finec:w2	r	Chg:Dime,Eat,Dress	/0-3	Categ
3	R3FINEC	r3finec:w3	r	Chg:Dime,Eat,Dress	/0-3	Categ
4	R4FINEC	r4finec:w4	r	Chg:Dime,Eat,Dress	/0-3	Categ
5	R5FINEC	r5finec:w5	r	Chg:Dime,Eat,Dress	/0-3	Categ
6	R6FINEC	r6finec:w6	r	Chg:Dime,Eat,Dress	/0-3	Categ
7	R7FINEC	r7finec:w7	r	Chg:Dime,Eat,Dress	/0-3	Categ
8	R8FINEC	r8finec:w8	r	Chg:Dime,Eat,Dress	/0-3	Categ
9	R9FINEC	r9finec:w9	r	Chg:Dime,Eat,Dress	/0-3	Categ
2	S2FINEC	s2finec:w2	s	Chg:Dime,Eat,Dress	/0-3	Categ
3	S3FINEC	s3finec:w3	s	Chg:Dime,Eat,Dress	/0-3	Categ
4	S4FINEC	s4finec:w4	s	Chg:Dime,Eat,Dress	/0-3	Categ
5	S5FINEC	s5finec:w5	s	Chg:Dime,Eat,Dress	/0-3	Categ
6	S6FINEC	s6finec:w6	s	Chg:Dime,Eat,Dress	/0-3	Categ
7	S7FINEC	s7finec:w7	s	Chg:Dime,Eat,Dress	/0-3	Categ
8	S8FINEC	s8finec:w8	s	Chg:Dime,Eat,Dress	/0-3	Categ
9	S9FINEC	s9finec:w9	s	Chg:Dime,Eat,Dress	/0-3	Categ
2	R2FINEF	r2finef:w2	r	ChgF:Dime,Eat,Dress	/0-3	Categ
3	R3FINEF	r3finef:w3	r	ChgF:Dime,Eat,Dress	/0-3	Categ
4	R4FINEF	r4finef:w4	r	ChgF:Dime,Eat,Dress	/0-3	Categ
5	R5FINEF	r5finef:w5	r	ChgF:Dime,Eat,Dress	/0-3	Categ
6	R6FINEF	r6finef:w6	r	ChgF:Dime,Eat,Dress	/0-3	Categ
7	R7FINEF	r7finef:w7	r	ChgF:Dime,Eat,Dress	/0-3	Categ
8	R8FINEF	r8finef:w8	r	ChgF:Dime,Eat,Dress	/0-3	Categ
9	R9FINEF	r9finef:w9	r	ChgF:Dime,Eat,Dress	/0-3	Categ
2	S2FINEF	s2finef:w2	s	ChgF:Dime,Eat,Dress	/0-3	Categ
3	S3FINEF	s3finef:w3	s	ChgF:Dime,Eat,Dress	/0-3	Categ
4	S4FINEF	s4finef:w4	s	ChgF:Dime,Eat,Dress	/0-3	Categ
5	S5FINEF	s5finef:w5	s	ChgF:Dime,Eat,Dress	/0-3	Categ
6	S6FINEF	s6finef:w6	s	ChgF:Dime,Eat,Dress	/0-3	Categ
7	S7FINEF	s7finef:w7	s	ChgF:Dime,Eat,Dress	/0-3	Categ
8	S8FINEF	s8finef:w8	s	ChgF:Dime,Eat,Dress	/0-3	Categ
9	S9FINEF	s9finef:w9	s	ChgF:Dime,Eat,Dress	/0-3	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2ADLC	9243	0.04	0.73	-5.00	5.00
R3ADLC	8024	0.04	0.77	-5.00	5.00
R4ADLC	8352	0.05	0.74	-5.00	5.00
R5ADLC	10123	0.05	0.70	-4.00	5.00
R6ADLC	9378	0.07	0.74	-5.00	5.00
R7ADLC	9154	0.05	0.72	-5.00	5.00
R8ADLC	8405	0.06	0.74	-5.00	5.00
R9ADLC	7452	0.09	0.77	-5.00	5.00

S2ADLC	6011	0.04	0.67	-5.00	5.00
S3ADLC	5051	0.02	0.66	-5.00	5.00
S4ADLC	5409	0.03	0.63	-5.00	5.00
S5ADLC	6820	0.03	0.61	-4.00	5.00
S6ADLC	6323	0.05	0.65	-5.00	5.00
S7ADLC	6168	0.04	0.62	-5.00	5.00
S8ADLC	5649	0.04	0.64	-4.00	5.00
S9ADLC	4914	0.06	0.67	-5.00	5.00
R2ADLF	9432	0.18	1.26	0.00	9.00
R3ADLF	9766	2.39	3.08	0.00	9.00
R4ADLF	11050	3.65	3.05	0.00	9.00
R5ADLF	10274	2.99	0.85	0.00	9.00
R6ADLF	10601	4.53	1.64	0.00	9.00
R7ADLF	9666	5.17	0.95	0.00	9.00
R8ADLF	8445	5.97	0.32	0.00	9.00
R9ADLF	8736	7.25	0.77	0.00	9.00
S2ADLF	6178	0.24	1.46	0.00	9.00
S3ADLF	6382	2.64	3.27	0.00	9.00
S4ADLF	7402	3.83	3.15	0.00	9.00
S5ADLF	6964	3.02	0.97	0.00	9.00
S6ADLF	7242	4.59	1.71	0.00	9.00
S7ADLF	6560	5.20	1.00	0.00	9.00
S8ADLF	5688	5.98	0.33	2.00	9.00
S9ADLF	5820	7.27	0.78	2.00	9.00
R2GROSSC	9244	0.07	0.79	-5.00	5.00
R3GROSSC	8026	0.06	0.81	-5.00	5.00
R4GROSSC	8352	0.06	0.81	-5.00	5.00
R5GROSSC	10123	0.09	0.77	-5.00	5.00
R6GROSSC	9379	0.11	0.80	-5.00	5.00
R7GROSSC	9154	0.08	0.77	-5.00	5.00
R8GROSSC	8405	0.08	0.78	-5.00	5.00
R9GROSSC	7452	0.10	0.82	-5.00	5.00
S2GROSSC	6012	0.06	0.71	-4.00	5.00
S3GROSSC	5053	0.03	0.71	-5.00	5.00
S4GROSSC	5409	0.04	0.67	-5.00	5.00
S5GROSSC	6820	0.07	0.67	-5.00	5.00
S6GROSSC	6324	0.07	0.71	-5.00	5.00
S7GROSSC	6168	0.06	0.67	-5.00	5.00
S8GROSSC	5649	0.05	0.69	-5.00	5.00
S9GROSSC	4914	0.06	0.73	-5.00	5.00
R2GROSSF	9432	0.18	1.26	0.00	9.00
R3GROSSF	9766	2.39	3.08	0.00	9.00
R4GROSSF	11050	3.65	3.05	0.00	9.00
R5GROSSF	10274	2.99	0.85	0.00	9.00
R6GROSSF	10601	4.52	1.64	0.00	9.00
R7GROSSF	9666	5.17	0.95	0.00	9.00
R8GROSSF	8445	5.97	0.32	0.00	9.00
R9GROSSF	8736	7.25	0.77	0.00	9.00
S2GROSSF	6178	0.24	1.46	0.00	9.00
S3GROSSF	6382	2.64	3.27	0.00	9.00
S4GROSSF	7402	3.83	3.15	0.00	9.00
S5GROSSF	6964	3.02	0.97	0.00	9.00
S6GROSSF	7242	4.59	1.71	0.00	9.00
S7GROSSF	6560	5.20	1.00	0.00	9.00
S8GROSSF	5688	5.98	0.33	2.00	9.00
S9GROSSF	5820	7.27	0.78	2.00	9.00

R2FINEC	9244	0.03	0.47	-3.00	3.00
R3FINEC	8026	0.02	0.49	-3.00	3.00
R4FINEC	8352	0.03	0.47	-3.00	3.00
R5FINEC	10123	0.03	0.47	-3.00	3.00
R6FINEC	9379	0.03	0.49	-3.00	3.00
R7FINEC	9154	0.02	0.48	-3.00	3.00
R8FINEC	8405	0.04	0.48	-3.00	3.00
R9FINEC	7452	0.05	0.49	-3.00	3.00
S2FINEC	6012	0.02	0.43	-3.00	3.00
S3FINEC	5053	0.02	0.42	-3.00	3.00
S4FINEC	5409	0.02	0.42	-3.00	3.00
S5FINEC	6820	0.02	0.42	-3.00	3.00
S6FINEC	6324	0.03	0.44	-3.00	3.00
S7FINEC	6168	0.01	0.42	-3.00	3.00
S8FINEC	5649	0.03	0.43	-3.00	3.00
S9FINEC	4914	0.04	0.44	-3.00	3.00
R2FINEF	9432	0.18	1.26	0.00	9.00
R3FINEF	9766	2.39	3.08	0.00	9.00
R4FINEF	11050	3.65	3.05	0.00	9.00
R5FINEF	10274	2.99	0.85	0.00	9.00
R6FINEF	10601	4.52	1.64	0.00	9.00
R7FINEF	9666	5.17	0.95	0.00	9.00
R8FINEF	8445	5.97	0.32	0.00	9.00
R9FINEF	8736	7.25	0.77	0.00	9.00
S2FINEF	6178	0.24	1.46	0.00	9.00
S3FINEF	6382	2.64	3.27	0.00	9.00
S4FINEF	7402	3.83	3.15	0.00	9.00
S5FINEF	6964	3.02	0.97	0.00	9.00
S6FINEF	7242	4.59	1.71	0.00	9.00
S7FINEF	6560	5.20	1.00	0.00	9.00
S8FINEF	5688	5.98	0.33	2.00	9.00
S9FINEF	5820	7.27	0.78	2.00	9.00

**Categorical Variable Codes**

Value-----		R2ADLF	R3ADLF	R4ADLF	R5ADLF
0.Used IW-1		9243	349	174	119
1.Used IW-2			7675	273	140
2.Used IW-3				7905	411
3.Used IW-4					9453
9.Missing		189	1742	2698	151
Value-----	R6ADLF	R7ADLF	R8ADLF	R9ADLF	
0.Used IW-1	16	8	1	1	
1.Used IW-2	18	8	1		
2.Used IW-3	76	7	1	1	
3.Used IW-4	276	58	6	2	
4.Used IW-5	8992	210	20	7	
5.Used IW-6		8863	290	25	
6.Used IW-7			8086	274	
7.Used IW-8				7142	
9.Missing	1223	512	40	1284	
Value-----		S2ADLF	S3ADLF	S4ADLF	S5ADLF
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.Used IW-1		6011	171	99	80
1.Used IW-2			4880	174	97
2.Used IW-3				5136	267
3.Used IW-4					6376
9.Missing		167	1331	1993	144

Value-----	S6ADLF	S7ADLF	S8ADLF	S9ADLF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.Used IW-1	10	4			
1.Used IW-2	11	6			
2.Used IW-3	52	7	1	1	
3.Used IW-4	166	36	3	2	
4.Used IW-5	6084	137	12	5	
5.Used IW-6		5978	183	11	
6.Used IW-7			5450	166	
7.Used IW-8				4729	
9.Missing	919	392	39	906	
Value-----		R2GROSSF	R3GROSSF	R4GROSSF	R5GROSSF
0.Used IW-1		9244	348	174	119
1.Used IW-2			7678	273	140
2.Used IW-3				7905	411
3.Used IW-4					9453
9.Missing		188	1740	2698	151
Value-----	R6GROSSF	R7GROSSF	R8GROSSF	R9GROSSF	
0.Used IW-1	16	8	1	1	
1.Used IW-2	18	8	1		
2.Used IW-3	76	7	1	1	
3.Used IW-4	276	58	6	2	
4.Used IW-5	8993	209	20	7	
5.Used IW-6		8864	290	25	
6.Used IW-7			8086	274	
7.Used IW-8				7142	
9.Missing	1222	512	40	1284	
Value-----		S2GROSSF	S3GROSSF	S4GROSSF	S5GROSSF
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.Used IW-1		6012	170	99	80
1.Used IW-2			4883	174	97
2.Used IW-3				5136	267
3.Used IW-4					6376
9.Missing		166	1329	1993	144
Value-----	S6GROSSF	S7GROSSF	S8GROSSF	S9GROSSF	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.Used IW-1	10	4			
1.Used IW-2	11	6			
2.Used IW-3	52	7	1	1	
3.Used IW-4	166	36	3	2	
4.Used IW-5	6085	136	12	5	
5.Used IW-6		5979	183	11	
6.Used IW-7			5450	166	
7.Used IW-8				4729	
9.Missing	918	392	39	906	
Value-----		R2FINEF	R3FINEF	R4FINEF	R5FINEF
0.Used IW-1		9244	348	174	119
1.Used IW-2			7678	273	140
2.Used IW-3				7905	411
3.Used IW-4					9453
9.Missing		188	1740	2698	151
Value-----	R6FINEF	R7FINEF	R8FINEF	R9FINEF	
0.Used IW-1	16	8	1	1	
1.Used IW-2	18	8	1		
2.Used IW-3	76	7	1	1	
3.Used IW-4	276	58	6	2	
4.Used IW-5	8993	209	20	7	
5.Used IW-6		8864	290	25	
6.Used IW-7			8086	274	
7.Used IW-8				7142	
9.Missing	1222	512	40	1284	

Value-----	S2FINEF	S3FINEF	S4FINEF	S5FINEF
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
0.Used IW-1	6012	170	99	80
1.Used IW-2		4883	174	97
2.Used IW-3			5136	267
3.Used IW-4				6376
9.Missing	166	1329	1993	144

Value-----	S6FINEF	S7FINEF	S8FINEF	S9FINEF
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.Used IW-1	10	4		
1.Used IW-2	11	6		
2.Used IW-3	52	7	1	1
3.Used IW-4	166	36	3	2
4.Used IW-5	6085	136	12	5
5.Used IW-6		5979	183	11
6.Used IW-7			5450	166
7.Used IW-8				4729
9.Missing	918	392	39	906

## How Constructed

RwADLC, RwGROSSC, and RwfINEC indicate changes from the previous to the current interview, in functional limitation indices for Activities of Daily Living (ADLs), gross motor activities, and fine motor activities, respectively.

The derivation of these variables is:

$$\text{RwADLC} = \text{RwADLA} - \text{RpADLA}$$

$$\text{RwGROSSC} = \text{RwGROSSB} - \text{RpGROSSB}$$

$$\text{RwfINEC} = \text{RwfINEA} - \text{RpFINEA}$$

where 'w' means current wave and 'p' means the previous interview. For example, if an individual responded to Waves 2 and 3, R3ADLC = R3ADLA - R2ADLA.

Don't know, refused, or other missing responses to RwADLC, RwGROSSC, and RwfINEC are assigned special missing values .d, .r, .m respectively. RwADLC, RwGROSSC, and RwfINEC are set to special missing .c if the respondent did not have a previous interview. RwADLC, RwGROSSC, and RwfINEC are assigned plain missing (.) if the respondent did not participate in the current wave.

SwADLC, SwGROSSC, and SwFINEC are taken directly from the respondent's spouse's responses to RwADLC, RwGROSSC, and RwfINEC, respectively. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwADLF, RwGROSSF, and RwfINEF indicate how far back the previous interview was. A code of 0 indicates that the previous interview was in the 1st wave. A code of 1 indicates that the previous interview was the 2nd wave. A code of 2 indicates that the previous interview was the 3rd wave, and so on. RwADLF, RwGROSSF, and RwfINEF are assigned plain missing (.) if the respondent did not participate in the current wave.

SwADLF, SwGROSSF, and SwFINEF indicate how far back the respondent's spouse's previous interview was and are taken directly from the spouse's values in RwADLF, RwGROSSF, and RwfINEF. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

The HRS surveys difficulty walking with three questions: difficulty walking across a room, difficulty walking one block, and difficulty walking several blocks. The ELSA only uses two questions to survey difficulty with walking: difficulty walking across a room and difficulty walking 100 yards. In the Harmonized ELSA, RwgGROSSA is computed using information on difficulty walking 100 yards (RwWALK100A), whereas in the RAND HRS, RwgGROSSA is computed using whether the respondent reported any difficulty walking one block. Likewise in the Harmonized ELSA, RwgGROSSC is computed using information on difficulty walking 100 yards (RwWALK100A), whereas in the RAND HRS, RwgGROSSC is computed using whether the respondent reported any difficulty walking one block.

## ELSA Variables Used

### Wave 1 Core:

HEADA01	because of a health problem, do you have any difficultie
HEADA02	show card 1 @/we need to understand difficulties people
HEADA03	show card 1 @/we need to understand difficulties people
HEADA04	because of a health problem, do you have any difficultie
HEADA05	because of a health problem, do you have any difficultie
HEADA06	because of a health problem, do you have any difficultie
HEADA07	because of a health problem, do you have any difficultie
HEADA08	because of a health problem, do you have any difficultie
HEADA09	because of a health problem, do you have any difficultie
HEADA10	because of a health problem, do you have any difficultie
HEADA11	because of a health problem, do you have any difficultie
HEADB01	because of a health or memory problem, do you have any
HEADB02	because of a health or memory problem, do you have any
HEADB03	because of a health or memory problem, do you have any
HEADB04	because of a health or memory problem, do you have any
HEADB05	because of a health or memory problem, do you have any
HEADB06	because of a health or memory problem, do you have any
HEADB07	because of a health or memory problem, do you have any
HEADB08	because of a health or memory problem, do you have any
HEADB09	because of a health or memory problem, do you have any
HEADB10	because of a health or memory problem, do you have any
HEADB11	because of a health or memory problem, do you have any
HEADB12	because of a health or memory problem, do you have any
HEADB13	because of a health or memory problem, do you have any
HEADB14	because of a health or memory problem, do you have any

### Wave 2 Core:

HEADA01	ADL: activity has problem with due to health/physical pr
HEADA02	ADL: activity has problem with due to health/physical pr
HEADA03	ADL: activity has problem with due to health/physical pr
HEADA04	ADL: activity has problem with due to health/physical pr
HEADA05	ADL: activity has problem with due to health/physical pr
HEADA06	ADL: activity has problem with due to health/physical pr
HEADA07	ADL: activity has problem with due to health/physical pr
HEADA08	ADL: activity has problem with due to health/physical pr
HEADA09	ADL: activity has problem with due to health/physical pr
HEADA10	ADL: activity has problem with due to health/physical pr
HEADB01	IADL: activity has problem with due to health/physical p
HEADB02	IADL: activity has problem with due to health/physical p
HEADB03	IADL: activity has problem with due to health/physical p
HEADB04	IADL: activity has problem with due to health/physical p
HEADB05	IADL: activity has problem with due to health/physical p
HEADB06	IADL: activity has problem with due to health/physical p
HEADB07	IADL: activity has problem with due to health/physical p
HEADB08	IADL: activity has problem with due to health/physical p
HEADB09	IADL: activity has problem with due to health/physical p
HEADB10	IADL: activity has problem with due to health/physical p
HEADB11	IADL: activity has problem with due to health/physical p
HEADB12	IADL: activity has problem with due to health/physical p



HEADB13	IADL: activity has problem with due to health/physical p
Wave 3 Core:	
HEADLBA	adl: difficulty bathing or showering
HEADLBE	adl: difficulty getting in and out of bed
HEADLDR	adl: difficulty dressing, including putting on shoes and
HEADLEA	adl: difficulty eating, such as cutting up food
HEADLWA	adl: difficulty walking across a room
HEMOBCL	mobility: difficulty climbing one flight stairs without
HEMOBCS	mobility: difficulty climbing several flights stairs wit
HEMOBPI	mobility: difficulty picking up 5p coin from table
HEMOBWA	mobility: difficulty walking 100 yards
Wave 4 Core:	
HEADLBA	adl: difficulty bathing or showering
HEADLBE	adl: difficulty getting in and out of bed
HEADLDR	adl: difficulty dressing, including putting on shoes and
HEADLEA	adl: difficulty eating, such as cutting up food
HEADLWA	adl: difficulty walking across a room
HEMOBCL	mobility: difficulty climbing one flight stairs without
HEMOBCS	mobility: difficulty climbing several flights stairs wit
HEMOBPI	mobility: difficulty picking up 5p coin from table
HEMOBWA	mobility: difficulty walking 100 yards
Wave 5 Core:	
HEADLBA	ADL: difficulty bathing or showering
HEADLBE	ADL: difficulty getting in and out of bed
HEADLDR	ADL: difficulty dressing, including putting on shoes and
HEADLEA	ADL: difficulty eating, such as cutting up food
HEADLWA	ADL: difficulty walking across a room
HEMOBCL	Mobility: difficulty climbing one flight stairs without
HEMOBCS	Mobility: difficulty climbing several flights stairs wit
HEMOBPI	Mobility: difficulty picking up 5p coin from table
HEMOBWA	Mobility: difficulty walking 100 yards
Wave 6 Core:	
HEADLBA	adl: difficulty bathing or showering
HEADLBE	adl: difficulty getting in and out of bed
HEADLDR	adl: difficulty dressing, including putting on shoes and
HEADLEA	adl: difficulty eating, such as cutting up food
HEADLWA	adl: difficulty walking across a room
HEMOBCL	mobility: difficulty climbing one flight stairs without
HEMOBCS	mobility: difficulty climbing several flights stairs wit
HEMOBPI	mobility: difficulty picking up 5p coin from table
HEMOBWA	mobility: difficulty walking 100 yards
Wave 7 Core:	
HEADLBA	adl: difficulty bathing or showering
HEADLBE	adl: difficulty getting in and out of bed
HEADLDR	adl: difficulty dressing, including putting on shoes and
HEADLEA	adl: difficulty eating, such as cutting up food
HEADLWA	adl: difficulty walking across a room
HEMOBCL	mobility: difficulty climbing one flight stairs without
HEMOBCS	mobility: difficulty climbing several flights stairs wit
HEMOBPI	mobility: difficulty picking up 5p coin from table
HEMOBWA	mobility: difficulty walking 100 yards
Wave 8 Core:	
HEADLBA	adl: difficulty bathing or showering
HEADLBE	adl: difficulty getting in and out of bed
HEADLDR	adl: difficulty dressing, including putting on shoes and
HEADLEA	adl: difficulty eating, such as cutting up food
HEADLWA	adl: difficulty walking across a room
HEMOBCL	mobility: difficulty climbing one flight stairs without
HEMOBCS	mobility: difficulty climbing several flights stairs wit
HEMOBPI	mobility: difficulty picking up 5p coin from table
HEMOBWA	mobility: difficulty walking 100 yards
Wave 9 Core:	
HEADLBA	ADL: difficulty bathing or showering

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HEADLBE	ADL: difficulty getting in and out of bed
HEADLDR	ADL: difficulty dressing, including putting on shoes and
HEADLEA	ADL: difficulty eating, such as cutting up food
HEADLWA	ADL: difficulty walking across a room
HEMOBCL	Mobility: difficulty climbing one flight stairs without
HEMOBCS	Mobility: difficulty climbing several flights stairs wit
HEMOBPI	Mobility: difficulty picking up 5p coin from table
HEMOBWA	Mobility: difficulty walking 100 yards

<b>Change in Health: Doctor Diagnosed Conditions</b>
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Wave	Variable	Label	Type
2	R2HIBPS	r2hibps:w2 R had hi BP since last IW	Categ
3	R3HIBPS	r3hibps:w3 R had hi BP since last IW	Categ
4	R4HIBPS	r4hibps:w4 R had hi BP since last IW	Categ
5	R5HIBPS	r5hibps:w5 R had hi BP since last IW	Categ
6	R6HIBPS	r6hibps:w6 R had hi BP since last IW	Categ
7	R7HIBPS	r7hibps:w7 R had hi BP since last IW	Categ
8	R8HIBPS	r8hibps:w8 R had hi BP since last IW	Categ
9	R9HIBPS	r9hibps:w9 R had hi BP since last IW	Categ
2	S2HIBPS	s2hibps:w2 S had hi BP since last IW	Categ
3	S3HIBPS	s3hibps:w3 S had hi BP since last IW	Categ
4	S4HIBPS	s4hibps:w4 S had hi BP since last IW	Categ
5	S5HIBPS	s5hibps:w5 S had hi BP since last IW	Categ
6	S6HIBPS	s6hibps:w6 S had hi BP since last IW	Categ
7	S7HIBPS	s7hibps:w7 S had hi BP since last IW	Categ
8	S8HIBPS	s8hibps:w8 S had hi BP since last IW	Categ
9	S9HIBPS	s9hibps:w9 S had hi BP since last IW	Categ
2	R2DIABS	r2diabs:w2 R had diabetes since last IW	Categ
3	R3DIABS	r3diabs:w3 R had diabetes since last IW	Categ
4	R4DIABS	r4diabs:w4 R had diabetes since last IW	Categ
5	R5DIABS	r5diabs:w5 R had diabetes since last IW	Categ
6	R6DIABS	r6diabs:w6 R had diabetes since last IW	Categ
7	R7DIABS	r7diabs:w7 R had diabetes since last IW	Categ
8	R8DIABS	r8diabs:w8 R had diabetes since last IW	Categ
9	R9DIABS	r9diabs:w9 R had diabetes since last IW	Categ
2	S2DIABS	s2diabs:w2 S had diabetes since last IW	Categ
3	S3DIABS	s3diabs:w3 S had diabetes since last IW	Categ
4	S4DIABS	s4diabs:w4 S had diabetes since last IW	Categ
5	S5DIABS	s5diabs:w5 S had diabetes since last IW	Categ
6	S6DIABS	s6diabs:w6 S had diabetes since last IW	Categ
7	S7DIABS	s7diabs:w7 S had diabetes since last IW	Categ
8	S8DIABS	s8diabs:w8 S had diabetes since last IW	Categ
9	S9DIABS	s9diabs:w9 S had diabetes since last IW	Categ
2	R2CANCRS	r2cancrs:w2 R had cancer since last IW	Categ
3	R3CANCRS	r3cancrs:w3 R had cancer since last IW	Categ
4	R4CANCRS	r4cancrs:w4 R had cancer since last IW	Categ
5	R5CANCRS	r5cancrs:w5 R had cancer since last IW	Categ
6	R6CANCRS	r6cancrs:w6 R had cancer since last IW	Categ
7	R7CANCRS	r7cancrs:w7 R had cancer since last IW	Categ
8	R8CANCRS	r8cancrs:w8 R had cancer since last IW	Categ
9	R9CANCRS	r9cancrs:w9 R had cancer since last IW	Categ
2	S2CANCRS	s2cancrs:w2 S had cancer since last IW	Categ
3	S3CANCRS	s3cancrs:w3 S had cancer since last IW	Categ
4	S4CANCRS	s4cancrs:w4 S had cancer since last IW	Categ
5	S5CANCRS	s5cancrs:w5 S had cancer since last IW	Categ
6	S6CANCRS	s6cancrs:w6 S had cancer since last IW	Categ
7	S7CANCRS	s7cancrs:w7 S had cancer since last IW	Categ
8	S8CANCRS	s8cancrs:w8 S had cancer since last IW	Categ
9	S9CANCRS	s9cancrs:w9 S had cancer since last IW	Categ
2	R2LUNGS	r2lungs:w2 R had lung dis since last IW	Categ
3	R3LUNGS	r3lungs:w3 R had lung dis since last IW	Categ
4	R4LUNGS	r4lungs:w4 R had lung dis since last IW	Categ

5	R5LUNGS	r5lungs:w5	R had lung dis since last IW	Categ
6	R6LUNGS	r6lungs:w6	R had lung dis since last IW	Categ
7	R7LUNGS	r7lungs:w7	R had lung dis since last IW	Categ
8	R8LUNGS	r8lungs:w8	R had lung dis since last IW	Categ
9	R9LUNGS	r9lungs:w9	R had lung dis since last IW	Categ
2	S2LUNGS	s2lungs:w2	S had lung dis since last IW	Categ
3	S3LUNGS	s3lungs:w3	S had lung dis since last IW	Categ
4	S4LUNGS	s4lungs:w4	S had lung dis since last IW	Categ
5	S5LUNGS	s5lungs:w5	S had lung dis since last IW	Categ
6	S6LUNGS	s6lungs:w6	S had lung dis since last IW	Categ
7	S7LUNGS	s7lungs:w7	S had lung dis since last IW	Categ
8	S8LUNGS	s8lungs:w8	S had lung dis since last IW	Categ
9	S9LUNGS	s9lungs:w9	S had lung dis since last IW	Categ
2	R2HEARTS	r2hearts:w2	R had heart prob since last IW	Categ
3	R3HEARTS	r3hearts:w3	R had heart prob since last IW	Categ
4	R4HEARTS	r4hearts:w4	R had heart prob since last IW	Categ
5	R5HEARTS	r5hearts:w5	R had heart prob since last IW	Categ
6	R6HEARTS	r6hearts:w6	R had heart prob since last IW	Categ
7	R7HEARTS	r7hearts:w7	R had heart prob since last IW	Categ
8	R8HEARTS	r8hearts:w8	R had heart prob since last IW	Categ
9	R9HEARTS	r9hearts:w9	R had heart prob since last IW	Categ
2	S2HEARTS	s2hearts:w2	S had heart prob since last IW	Categ
3	S3HEARTS	s3hearts:w3	S had heart prob since last IW	Categ
4	S4HEARTS	s4hearts:w4	S had heart prob since last IW	Categ
5	S5HEARTS	s5hearts:w5	S had heart prob since last IW	Categ
6	S6HEARTS	s6hearts:w6	S had heart prob since last IW	Categ
7	S7HEARTS	s7hearts:w7	S had heart prob since last IW	Categ
8	S8HEARTS	s8hearts:w8	S had heart prob since last IW	Categ
9	S9HEARTS	s9hearts:w9	S had heart prob since last IW	Categ
2	R2STROKS	r2strokes:w2	R had stroke since last IW	Categ
3	R3STROKS	r3strokes:w3	R had stroke since last IW	Categ
4	R4STROKS	r4strokes:w4	R had stroke since last IW	Categ
5	R5STROKS	r5strokes:w5	R had stroke since last IW	Categ
6	R6STROKS	r6strokes:w6	R had stroke since last IW	Categ
7	R7STROKS	r7strokes:w7	R had stroke since last IW	Categ
8	R8STROKS	r8strokes:w8	R had stroke since last IW	Categ
9	R9STROKS	r9strokes:w9	R had stroke since last IW	Categ
2	S2STROKS	s2strokes:w2	S had stroke since last IW	Categ
3	S3STROKS	s3strokes:w3	S had stroke since last IW	Categ
4	S4STROKS	s4strokes:w4	S had stroke since last IW	Categ
5	S5STROKS	s5strokes:w5	S had stroke since last IW	Categ
6	S6STROKS	s6strokes:w6	S had stroke since last IW	Categ
7	S7STROKS	s7strokes:w7	S had stroke since last IW	Categ
8	S8STROKS	s8strokes:w8	S had stroke since last IW	Categ
9	S9STROKS	s9strokes:w9	S had stroke since last IW	Categ
2	R2PSYCHS	r2psychs:w2	R had psych prob since last IW	Categ
3	R3PSYCHS	r3psychs:w3	R had psych prob since last IW	Categ
4	R4PSYCHS	r4psychs:w4	R had psych prob since last IW	Categ
5	R5PSYCHS	r5psychs:w5	R had psych prob since last IW	Categ
6	R6PSYCHS	r6psychs:w6	R had psych prob since last IW	Categ
7	R7PSYCHS	r7psychs:w7	R had psych prob since last IW	Categ
8	R8PSYCHS	r8psychs:w8	R had psych prob since last IW	Categ
9	R9PSYCHS	r9psychs:w9	R had psych prob since last IW	Categ
2	S2PSYCHS	s2psychs:w2	S had psych prob since last IW	Categ
3	S3PSYCHS	s3psychs:w3	S had psych prob since last IW	Categ
4	S4PSYCHS	s4psychs:w4	S had psych prob since last IW	Categ

5	S5PSYCHS	s5psychs:w5	S had psych prob since last IW	Categ
6	S6PSYCHS	s6psychs:w6	S had psych prob since last IW	Categ
7	S7PSYCHS	s7psychs:w7	S had psych prob since last IW	Categ
8	S8PSYCHS	s8psychs:w8	S had psych prob since last IW	Categ
9	S9PSYCHS	s9psychs:w9	S had psych prob since last IW	Categ
2	R2ARTHRS	r2arthrs:w2	R had arthritis since last IW	Categ
3	R3ARTHRS	r3arthrs:w3	R had arthritis since last IW	Categ
4	R4ARTHRS	r4arthrs:w4	R had arthritis since last IW	Categ
5	R5ARTHRS	r5arthrs:w5	R had arthritis since last IW	Categ
6	R6ARTHRS	r6arthrs:w6	R had arthritis since last IW	Categ
7	R7ARTHRS	r7arthrs:w7	R had arthritis since last IW	Categ
8	R8ARTHRS	r8arthrs:w8	R had arthritis since last IW	Categ
9	R9ARTHRS	r9arthrs:w9	R had arthritis since last IW	Categ
2	S2ARTHRS	s2arthrs:w2	S had arthritis since last IW	Categ
3	S3ARTHRS	s3arthrs:w3	S had arthritis since last IW	Categ
4	S4ARTHRS	s4arthrs:w4	S had arthritis since last IW	Categ
5	S5ARTHRS	s5arthrs:w5	S had arthritis since last IW	Categ
6	S6ARTHRS	s6arthrs:w6	S had arthritis since last IW	Categ
7	S7ARTHRS	s7arthrs:w7	S had arthritis since last IW	Categ
8	S8ARTHRS	s8arthrs:w8	S had arthritis since last IW	Categ
9	S9ARTHRS	s9arthrs:w9	S had arthritis since last IW	Categ
2	R2ASTHMAS	r2asthmas:w2	R had asthma since last IW	Categ
3	R3ASTHMAS	r3asthmas:w3	R had asthma since last IW	Categ
4	R4ASTHMAS	r4asthmas:w4	R had asthma since last IW	Categ
5	R5ASTHMAS	r5asthmas:w5	R had asthma since last IW	Categ
6	R6ASTHMAS	r6asthmas:w6	R had asthma since last IW	Categ
7	R7ASTHMAS	r7asthmas:w7	R had asthma since last IW	Categ
8	R8ASTHMAS	r8asthmas:w8	R had asthma since last IW	Categ
9	R9ASTHMAS	r9asthmas:w9	R had asthma since last IW	Categ
2	S2ASTHMAS	s2asthmas:w2	S had asthma since last IW	Categ
3	S3ASTHMAS	s3asthmas:w3	S had asthma since last IW	Categ
4	S4ASTHMAS	s4asthmas:w4	S had asthma since last IW	Categ
5	S5ASTHMAS	s5asthmas:w5	S had asthma since last IW	Categ
6	S6ASTHMAS	s6asthmas:w6	S had asthma since last IW	Categ
7	S7ASTHMAS	s7asthmas:w7	S had asthma since last IW	Categ
8	S8ASTHMAS	s8asthmas:w8	S had asthma since last IW	Categ
9	S9ASTHMAS	s9asthmas:w9	S had asthma since last IW	Categ
3	R3HCHOLS	r3hchols:w3	R had high cholesterol since last IW	Categ
4	R4HCHOLS	r4hchols:w4	R had high cholesterol since last IW	Categ
5	R5HCHOLS	r5hchols:w5	R had high cholesterol since last IW	Categ
6	R6HCHOLS	r6hchols:w6	R had high cholesterol since last IW	Categ
7	R7HCHOLS	r7hchols:w7	R had high cholesterol since last IW	Categ
8	R8HCHOLS	r8hchols:w8	R had high cholesterol since last IW	Categ
9	R9HCHOLS	r9hchols:w9	R had high cholesterol since last IW	Categ
3	S3HCHOLS	s3hchols:w3	S had high cholesterol since last IW	Categ
4	S4HCHOLS	s4hchols:w4	S had high cholesterol since last IW	Categ
5	S5HCHOLS	s5hchols:w5	S had high cholesterol since last IW	Categ
6	S6HCHOLS	s6hchols:w6	S had high cholesterol since last IW	Categ
7	S7HCHOLS	s7hchols:w7	S had high cholesterol since last IW	Categ
8	S8HCHOLS	s8hchols:w8	S had high cholesterol since last IW	Categ
9	S9HCHOLS	s9hchols:w9	S had high cholesterol since last IW	Categ
2	R2CATRCTS	r2catrcts:w2	R had cataracts since last IW	Categ
3	R3CATRCTS	r3catrcts:w3	R had cataracts since last IW	Categ
4	R4CATRCTS	r4catrcts:w4	R had cataracts since last IW	Categ
5	R5CATRCTS	r5catrcts:w5	R had cataracts since last IW	Categ
6	R6CATRCTS	r6catrcts:w6	R had cataracts since last IW	Categ

7	R7CATRCTS	r7catrcts:w7	R	had	cataracts	since	last	IW	Categ	
8	R8CATRCTS	r8catrcts:w8	R	had	cataracts	since	last	IW	Categ	
9	R9CATRCTS	r9catrcts:w9	R	had	cataracts	since	last	IW	Categ	
2	S2CATRCTS	s2catrcts:w2	S	had	cataracts	since	last	IW	Categ	
3	S3CATRCTS	s3catrcts:w3	S	had	cataracts	since	last	IW	Categ	
4	S4CATRCTS	s4catrcts:w4	S	had	cataracts	since	last	IW	Categ	
5	S5CATRCTS	s5catrcts:w5	S	had	cataracts	since	last	IW	Categ	
6	S6CATRCTS	s6catrcts:w6	S	had	cataracts	since	last	IW	Categ	
7	S7CATRCTS	s7catrcts:w7	S	had	cataracts	since	last	IW	Categ	
8	S8CATRCTS	s8catrcts:w8	S	had	cataracts	since	last	IW	Categ	
9	S9CATRCTS	s9catrcts:w9	S	had	cataracts	since	last	IW	Categ	
2	R2PARKINS	r2catrcts:w2	R	had	parkinson	disease	since	last	IW	Categ
3	R3PARKINS	r3catrcts:w3	R	had	parkinson	disease	since	last	IW	Categ
4	R4PARKINS	r4catrcts:w4	R	had	parkinson	disease	since	last	IW	Categ
5	R5PARKINS	r5catrcts:w5	R	had	parkinson	disease	since	last	IW	Categ
6	R6PARKINS	r6catrcts:w6	R	had	parkinson	disease	since	last	IW	Categ
7	R7PARKINS	r7catrcts:w7	R	had	parkinson	disease	since	last	IW	Categ
8	R8PARKINS	r8catrcts:w8	R	had	parkinson	disease	since	last	IW	Categ
9	R9PARKINS	r9catrcts:w9	R	had	parkinson	disease	since	last	IW	Categ
2	S2PARKINS	s2parkins:w2	S	had	parkinson	disease	since	last	IW	Categ
3	S3PARKINS	s3parkins:w3	S	had	parkinson	disease	since	last	IW	Categ
4	S4PARKINS	s4parkins:w4	S	had	parkinson	disease	since	last	IW	Categ
5	S5PARKINS	s5parkins:w5	S	had	parkinson	disease	since	last	IW	Categ
6	S6PARKINS	s6parkins:w6	S	had	parkinson	disease	since	last	IW	Categ
7	S7PARKINS	s7parkins:w7	S	had	parkinson	disease	since	last	IW	Categ
8	S8PARKINS	s8parkins:w8	S	had	parkinson	disease	since	last	IW	Categ
9	S9PARKINS	s9parkins:w9	S	had	parkinson	disease	since	last	IW	Categ
2	R2HIPS	r2hips:w2	R	had	hip	fracture	since	last	IW	Categ
3	R3HIPS	r3hips:w3	R	had	hip	fracture	since	last	IW	Categ
4	R4HIPS	r4hips:w4	R	had	hip	fracture	since	last	IW	Categ
5	R5HIPS	r5hips:w5	R	had	hip	fracture	since	last	IW	Categ
6	R6HIPS	r6hips:w6	R	had	hip	fracture	since	last	IW	Categ
7	R7HIPS	r7hips:w7	R	had	hip	fracture	since	last	IW	Categ
8	R8HIPS	r8hips:w8	R	had	hip	fracture	since	last	IW	Categ
9	R9HIPS	r9hips:w9	R	had	hip	fracture	since	last	IW	Categ
2	S2HIPS	s2hips:w2	S	had	hip	fracture	since	last	IW	Categ
3	S3HIPS	s3hips:w3	S	had	hip	fracture	since	last	IW	Categ
4	S4HIPS	s4hips:w4	S	had	hip	fracture	since	last	IW	Categ
5	S5HIPS	s5hips:w5	S	had	hip	fracture	since	last	IW	Categ
6	S6HIPS	s6hips:w6	S	had	hip	fracture	since	last	IW	Categ
7	S7HIPS	s7hips:w7	S	had	hip	fracture	since	last	IW	Categ
8	S8HIPS	s8hips:w8	S	had	hip	fracture	since	last	IW	Categ
9	S9HIPS	s9hips:w9	S	had	hip	fracture	since	last	IW	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2HIBPS	9320	0.06	0.24	0.00	1.00
R3HIBPS	8042	0.05	0.21	0.00	1.00
R4HIBPS	8362	0.04	0.19	0.00	1.00
R5HIBPS	10128	0.04	0.20	0.00	1.00
R6HIBPS	9385	0.03	0.16	0.00	1.00
R7HIBPS	9156	0.03	0.18	0.00	1.00
R8HIBPS	8406	0.03	0.16	0.00	1.00
R9HIBPS	7457	0.03	0.18	0.00	1.00
S2HIBPS	6067	0.06	0.23	0.00	1.00

S3HIBPS	5064	0.04	0.20	0.00	1.00
S4HIBPS	5416	0.03	0.18	0.00	1.00
S5HIBPS	6825	0.04	0.20	0.00	1.00
S6HIBPS	6328	0.02	0.15	0.00	1.00
S7HIBPS	6170	0.03	0.17	0.00	1.00
S8HIBPS	5650	0.03	0.16	0.00	1.00
S9HIBPS	4917	0.03	0.18	0.00	1.00
R2DIABS	9320	0.02	0.12	0.00	1.00
R3DIABS	8042	0.02	0.13	0.00	1.00
R4DIABS	8362	0.02	0.13	0.00	1.00
R5DIABS	10128	0.02	0.14	0.00	1.00
R6DIABS	9385	0.01	0.12	0.00	1.00
R7DIABS	9156	0.02	0.13	0.00	1.00
R8DIABS	8406	0.01	0.12	0.00	1.00
R9DIABS	7457	0.02	0.14	0.00	1.00
S2DIABS	6067	0.01	0.12	0.00	1.00
S3DIABS	5064	0.02	0.13	0.00	1.00
S4DIABS	5416	0.02	0.13	0.00	1.00
S5DIABS	6825	0.02	0.14	0.00	1.00
S6DIABS	6328	0.01	0.12	0.00	1.00
S7DIABS	6170	0.02	0.13	0.00	1.00
S8DIABS	5650	0.01	0.11	0.00	1.00
S9DIABS	4917	0.02	0.14	0.00	1.00
R2CANCERS	9320	0.02	0.13	0.00	1.00
R3CANCERS	8042	0.02	0.13	0.00	1.00
R4CANCERS	8362	0.02	0.12	0.00	1.00
R5CANCERS	10128	0.02	0.15	0.00	1.00
R6CANCERS	9385	0.02	0.14	0.00	1.00
R7CANCERS	9156	0.02	0.15	0.00	1.00
R8CANCERS	8406	0.02	0.14	0.00	1.00
R9CANCERS	7457	0.02	0.15	0.00	1.00
S2CANCERS	6066	0.02	0.14	0.00	1.00
S3CANCERS	5064	0.02	0.13	0.00	1.00
S4CANCERS	5416	0.01	0.12	0.00	1.00
S5CANCERS	6825	0.02	0.15	0.00	1.00
S6CANCERS	6328	0.02	0.14	0.00	1.00
S7CANCERS	6170	0.02	0.14	0.00	1.00
S8CANCERS	5650	0.02	0.14	0.00	1.00
S9CANCERS	4917	0.02	0.15	0.00	1.00
R2LUNGS	9320	0.01	0.11	0.00	1.00
R3LUNGS	8042	0.01	0.09	0.00	1.00
R4LUNGS	8362	0.01	0.10	0.00	1.00
R5LUNGS	10128	0.01	0.10	0.00	1.00
R6LUNGS	9385	0.01	0.10	0.00	1.00
R7LUNGS	9156	0.01	0.10	0.00	1.00
R8LUNGS	8406	0.01	0.10	0.00	1.00
R9LUNGS	7457	0.01	0.10	0.00	1.00
S2LUNGS	6066	0.01	0.10	0.00	1.00
S3LUNGS	5064	0.01	0.09	0.00	1.00
S4LUNGS	5416	0.01	0.09	0.00	1.00
S5LUNGS	6825	0.01	0.10	0.00	1.00
S6LUNGS	6328	0.01	0.09	0.00	1.00
S7LUNGS	6170	0.01	0.10	0.00	1.00
S8LUNGS	5650	0.01	0.10	0.00	1.00
S9LUNGS	4917	0.01	0.10	0.00	1.00
R2HEARTS	9320	0.03	0.18	0.00	1.00

R3HEARTS	8042	0.02	0.14	0.00	1.00
R4HEARTS	8362	0.03	0.18	0.00	1.00
R5HEARTS	10128	0.03	0.18	0.00	1.00
R6HEARTS	9385	0.03	0.17	0.00	1.00
R7HEARTS	9156	0.04	0.19	0.00	1.00
R8HEARTS	8406	0.04	0.20	0.00	1.00
R9HEARTS	7457	0.04	0.19	0.00	1.00
S2HEARTS	6067	0.03	0.17	0.00	1.00
S3HEARTS	5064	0.02	0.13	0.00	1.00
S4HEARTS	5416	0.03	0.17	0.00	1.00
S5HEARTS	6825	0.03	0.17	0.00	1.00
S6HEARTS	6328	0.03	0.16	0.00	1.00
S7HEARTS	6170	0.04	0.19	0.00	1.00
S8HEARTS	5650	0.04	0.19	0.00	1.00
S9HEARTS	4917	0.04	0.19	0.00	1.00
R2STROKS	9320	0.01	0.11	0.00	1.00
R3STROKS	8042	0.01	0.10	0.00	1.00
R4STROKS	8362	0.01	0.11	0.00	1.00
R5STROKS	10128	0.01	0.09	0.00	1.00
R6STROKS	9385	0.01	0.10	0.00	1.00
R7STROKS	9156	0.01	0.10	0.00	1.00
R8STROKS	8406	0.01	0.12	0.00	1.00
R9STROKS	7457	0.01	0.10	0.00	1.00
S2STROKS	6067	0.01	0.10	0.00	1.00
S3STROKS	5064	0.01	0.09	0.00	1.00
S4STROKS	5416	0.01	0.11	0.00	1.00
S5STROKS	6825	0.01	0.08	0.00	1.00
S6STROKS	6328	0.01	0.09	0.00	1.00
S7STROKS	6170	0.01	0.09	0.00	1.00
S8STROKS	5650	0.01	0.11	0.00	1.00
S9STROKS	4917	0.01	0.09	0.00	1.00
R2PSYCHS	9320	0.01	0.12	0.00	1.00
R3PSYCHS	8042	0.01	0.09	0.00	1.00
R4PSYCHS	8362	0.01	0.10	0.00	1.00
R5PSYCHS	10128	0.01	0.10	0.00	1.00
R6PSYCHS	9385	0.01	0.10	0.00	1.00
R7PSYCHS	9156	0.01	0.09	0.00	1.00
R8PSYCHS	8406	0.01	0.10	0.00	1.00
R9PSYCHS	7457	0.01	0.10	0.00	1.00
S2PSYCHS	6066	0.01	0.11	0.00	1.00
S3PSYCHS	5064	0.01	0.09	0.00	1.00
S4PSYCHS	5416	0.01	0.09	0.00	1.00
S5PSYCHS	6825	0.01	0.10	0.00	1.00
S6PSYCHS	6328	0.01	0.09	0.00	1.00
S7PSYCHS	6170	0.01	0.09	0.00	1.00
S8PSYCHS	5650	0.01	0.09	0.00	1.00
S9PSYCHS	4917	0.01	0.10	0.00	1.00
R2ARTHRS	9320	0.05	0.22	0.00	1.00
R3ARTHRS	8042	0.04	0.19	0.00	1.00
R4ARTHRS	8361	0.04	0.20	0.00	1.00
R5ARTHRS	10127	0.04	0.19	0.00	1.00
R6ARTHRS	9385	0.03	0.18	0.00	1.00
R7ARTHRS	9156	0.03	0.17	0.00	1.00
R8ARTHRS	8406	0.04	0.19	0.00	1.00
R9ARTHRS	7457	0.04	0.19	0.00	1.00
S2ARTHRS	6066	0.05	0.22	0.00	1.00



S3ARTHRS	5064	0.04	0.19	0.00	1.00
S4ARTHRS	5415	0.04	0.19	0.00	1.00
S5ARTHRS	6824	0.04	0.19	0.00	1.00
S6ARTHRS	6328	0.03	0.18	0.00	1.00
S7ARTHRS	6170	0.03	0.17	0.00	1.00
S8ARTHRS	5650	0.04	0.19	0.00	1.00
S9ARTHRS	4917	0.04	0.19	0.00	1.00
R2ASTHMAS	9320	0.01	0.11	0.00	1.00
R3ASTHMAS	8042	0.01	0.09	0.00	1.00
R4ASTHMAS	8362	0.01	0.10	0.00	1.00
R5ASTHMAS	10128	0.01	0.09	0.00	1.00
R6ASTHMAS	9385	0.01	0.07	0.00	1.00
R7ASTHMAS	9156	0.01	0.08	0.00	1.00
R8ASTHMAS	8406	0.01	0.09	0.00	1.00
R9ASTHMAS	7457	0.01	0.09	0.00	1.00
S2ASTHMAS	6066	0.01	0.11	0.00	1.00
S3ASTHMAS	5064	0.01	0.09	0.00	1.00
S4ASTHMAS	5416	0.01	0.09	0.00	1.00
S5ASTHMAS	6825	0.01	0.09	0.00	1.00
S6ASTHMAS	6328	0.01	0.07	0.00	1.00
S7ASTHMAS	6170	0.01	0.07	0.00	1.00
S8ASTHMAS	5650	0.01	0.08	0.00	1.00
S9ASTHMAS	4917	0.01	0.08	0.00	1.00
R3HCHOLS	8042	0.25	0.43	0.00	1.00
R4HCHOLS	8362	0.28	0.45	0.00	1.00
R5HCHOLS	10127	0.31	0.46	0.00	1.00
R6HCHOLS	9384	0.33	0.47	0.00	1.00
R7HCHOLS	9156	0.34	0.47	0.00	1.00
R8HCHOLS	8406	0.35	0.48	0.00	1.00
R9HCHOLS	7456	0.37	0.48	0.00	1.00
S3HCHOLS	5064	0.25	0.44	0.00	1.00
S4HCHOLS	5416	0.28	0.45	0.00	1.00
S5HCHOLS	6825	0.30	0.46	0.00	1.00
S6HCHOLS	6327	0.33	0.47	0.00	1.00
S7HCHOLS	6170	0.33	0.47	0.00	1.00
S8HCHOLS	5650	0.34	0.48	0.00	1.00
S9HCHOLS	4916	0.36	0.48	0.00	1.00
R2CATRCTS	9308	0.05	0.21	0.00	1.00
R3CATRCTS	8036	0.05	0.21	0.00	1.00
R4CATRCTS	8362	0.05	0.21	0.00	1.00
R5CATRCTS	10129	0.05	0.22	0.00	1.00
R6CATRCTS	9385	0.05	0.23	0.00	1.00
R7CATRCTS	9155	0.06	0.23	0.00	1.00
R8CATRCTS	8406	0.07	0.26	0.00	1.00
R9CATRCTS	7457	0.09	0.28	0.00	1.00
S2CATRCTS	6061	0.03	0.18	0.00	1.00
S3CATRCTS	5061	0.04	0.20	0.00	1.00
S4CATRCTS	5416	0.04	0.20	0.00	1.00
S5CATRCTS	6826	0.04	0.20	0.00	1.00
S6CATRCTS	6328	0.05	0.22	0.00	1.00
S7CATRCTS	6169	0.05	0.23	0.00	1.00
S8CATRCTS	5650	0.07	0.25	0.00	1.00
S9CATRCTS	4917	0.09	0.28	0.00	1.00
R2PARKINS	9320	0.00	0.04	0.00	1.00
R3PARKINS	8042	0.00	0.05	0.00	1.00
R4PARKINS	8362	0.00	0.04	0.00	1.00

R5PARKINS	10128	0.00	0.04	0.00	1.00
R6PARKINS	9385	0.00	0.04	0.00	1.00
R7PARKINS	9156	0.00	0.05	0.00	1.00
R8PARKINS	8406	0.00	0.05	0.00	1.00
R9PARKINS	7457	0.00	0.05	0.00	1.00
S2PARKINS	6066	0.00	0.04	0.00	1.00
S3PARKINS	5064	0.00	0.05	0.00	1.00
S4PARKINS	5416	0.00	0.05	0.00	1.00
S5PARKINS	6825	0.00	0.04	0.00	1.00
S6PARKINS	6328	0.00	0.05	0.00	1.00
S7PARKINS	6170	0.00	0.05	0.00	1.00
S8PARKINS	5650	0.00	0.06	0.00	1.00
S9PARKINS	4917	0.00	0.06	0.00	1.00
R2HIPS	5208	0.01	0.08	0.00	1.00
R3HIPS	5151	0.01	0.08	0.00	1.00
R4HIPS	5046	0.01	0.09	0.00	1.00
R5HIPS	6564	0.01	0.08	0.00	1.00
R6HIPS	6775	0.01	0.09	0.00	1.00
R7HIPS	6599	0.01	0.09	0.00	1.00
R8HIPS	6416	0.01	0.09	0.00	1.00
R9HIPS	6228	0.01	0.09	0.00	1.00
S2HIPS	3011	0.00	0.07	0.00	1.00
S3HIPS	2920	0.00	0.06	0.00	1.00
S4HIPS	2919	0.00	0.07	0.00	1.00
S5HIPS	4062	0.01	0.07	0.00	1.00
S6HIPS	4297	0.00	0.06	0.00	1.00
S7HIPS	4233	0.01	0.07	0.00	1.00
S8HIPS	4152	0.01	0.08	0.00	1.00
S9HIPS	4000	0.01	0.08	0.00	1.00

### Categorical Variable Codes

Value-----	R2HIBPS	R3HIBPS	R4HIBPS	R5HIBPS
.c:no prev IW	107	1723	2680	140
.d:DK	4		4	4
.m:Missing	1	1		
.r:Refuse			4	2
0.no	8761	7680	8032	9705
1.yes	559	362	330	423

Value-----	R6HIBPS	R7HIBPS	R8HIBPS	R9HIBPS
.c:no prev IW	1214	509	38	1278
.d:DK				1
.r:Refuse	2	1	1	
0.no	9146	8857	8185	7203
1.yes	239	299	221	254

Value-----	S2HIBPS	S3HIBPS	S4HIBPS	S5HIBPS
.c:no prev IW	107	1319	1979	134
.d:DK	3		3	3
.m:Missing	1	1		
.r:Refuse			4	2
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
0.no	5725	4849	5229	6543
1.yes	342	215	187	282

Value-----	S6HIBPS	S7HIBPS	S8HIBPS	S9HIBPS
.c:no prev IW	913	389	37	902
.d:DK				1
.r:Refuse	1	1	1	
.u:Unmar	2802	2548	2255	2286

.v:SP NR	557	558	502	630	
0.no	6179	5981	5502	4759	
1.yes	149	189	148	158	
Value-----		R2DIABS	R3DIABS	R4DIABS	R5DIABS
.c:no prev IW		107	1723	2680	140
.d:DK		4		4	4
.m:Missing		1	1		
.r:Refuse				4	2
0.no		9173	7903	8217	9928
1.yes		147	139	145	200
Value-----	R6DIABS	R7DIABS	R8DIABS	R9DIABS	
.c:no prev IW	1214	509	38	1278	
.d:DK				1	
.r:Refuse	2	1	1		
0.no	9247	8988	8287	7304	
1.yes	138	168	119	153	
Value-----		S2DIABS	S3DIABS	S4DIABS	S5DIABS
.c:no prev IW		107	1319	1979	134
.d:DK		3		3	3
.m:Missing		1	1		
.r:Refuse				4	2
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.no		5983	4977	5328	6697
1.yes		84	87	88	128
Value-----	S6DIABS	S7DIABS	S8DIABS	S9DIABS	
.c:no prev IW	913	389	37	902	
.d:DK				1	
.r:Refuse	1	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6236	6066	5575	4818	
1.yes	92	104	75	99	
Value-----		R2CANCERS	R3CANCERS	R4CANCERS	R5CANCERS
.c:no prev IW		107	1723	2681	140
.d:DK		4		4	4
.r:Refuse		1	1	3	2
0.no		9151	7913	8233	9891
1.yes		169	129	129	237
Value-----	R6CANCERS	R7CANCERS	R8CANCERS	R9CANCERS	
.c:no prev IW	1214	509	38	1279	
.r:Refuse	2	1	1		
0.no	9205	8952	8229	7279	
1.yes	180	204	177	178	
Value-----		S2CANCERS	S3CANCERS	S4CANCERS	S5CANCERS
.c:no prev IW		107	1319	1980	134
.d:DK		4		3	3
.r:Refuse		1	1	3	2
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.no		5947	4982	5337	6678
1.yes		119	82	79	147
Value-----	S6CANCERS	S7CANCERS	S8CANCERS	S9CANCERS	
.c:no prev IW	913	389	37	903	
.r:Refuse	1	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6204	6039	5532	4810	
1.yes	124	131	118	107	
Value-----		R2LUNGS	R3LUNGS	R4LUNGS	R5LUNGS
.c:no prev IW		107	1723	2681	140
.d:DK		4		4	4

.r:Refuse		1	1	3	2
0.no		9200	7971	8273	10018
1.yes		120	71	89	110
Value-----	R6LUNGS	R7LUNGS	R8LUNGS	R9LUNGS	
.c:no prev IW	1214	509	38	1279	
.r:Refuse	2	1	1		
0.no	9283	9059	8315	7374	
1.yes	102	97	91	83	
Value-----		S2LUNGS	S3LUNGS	S4LUNGS	S5LUNGS
.c:no prev IW		107	1319	1980	134
.d:DK		4		3	3
.r:Refuse		1	1	3	2
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.no		6000	5023	5367	6758
1.yes		66	41	49	67
Value-----	S6LUNGS	S7LUNGS	S8LUNGS	S9LUNGS	
.c:no prev IW	913	389	37	903	
.r:Refuse	1	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6275	6113	5595	4863	
1.yes	53	57	55	54	
Value-----		R2HEARTS	R3HEARTS	R4HEARTS	R5HEARTS
.c:no prev IW		107	1723	2680	140
.d:DK		4		4	4
.m:Missing		1	1		
.r:Refuse				4	2
0.no		9022	7873	8093	9780
1.yes		298	169	269	348
Value-----	R6HEARTS	R7HEARTS	R8HEARTS	R9HEARTS	
.c:no prev IW	1214	509	38	1278	
.d:DK				1	
.r:Refuse	2	1	1		
0.no	9103	8830	8070	7164	
1.yes	282	326	336	293	
Value-----		S2HEARTS	S3HEARTS	S4HEARTS	S5HEARTS
.c:no prev IW		107	1319	1979	134
.d:DK		3		3	3
.m:Missing		1	1		
.r:Refuse				4	2
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.no		5894	4971	5264	6622
1.yes		173	93	152	203
Value-----	S6HEARTS	S7HEARTS	S8HEARTS	S9HEARTS	
.c:no prev IW	913	389	37	902	
.d:DK				1	
.r:Refuse	1	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6158	5951	5438	4740	
1.yes	170	219	212	177	
Value-----		R2STROKS	R3STROKS	R4STROKS	R5STROKS
.c:no prev IW		107	1723	2680	140
.d:DK		4		4	4
.m:Missing		1	1		
.r:Refuse				4	2
0.no		9207	7954	8264	10040
1.yes		113	88	98	88
Value-----	R6STROKS	R7STROKS	R8STROKS	R9STROKS	
.c:no prev IW	1214	509	38	1278	

.d:DK				1	
.r:Refuse	2	1	1		
0.no	9284	9061	8292	7389	
1.yes	101	95	114	68	
Value-----		S2STROKS	S3STROKS	S4STROKS	S5STROKS
.c:no prev IW		107	1319	1979	134
.d:DK		3		3	3
.m:Missing		1	1		
.r:Refuse				4	2
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.no		6005	5025	5355	6780
1.yes		62	39	61	45
Value-----	S6STROKS	S7STROKS	S8STROKS	S9STROKS	
.c:no prev IW	913	389	37	902	
.d:DK				1	
.r:Refuse	1	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6281	6114	5580	4878	
1.yes	47	56	70	39	
Value-----		R2PSYCHS	R3PSYCHS	R4PSYCHS	R5PSYCHS
.c:no prev IW		107	1723	2681	140
.d:DK		4		4	4
.r:Refuse		1	1	3	2
0.no		9186	7970	8281	10029
1.yes		134	72	81	99
Value-----	R6PSYCHS	R7PSYCHS	R8PSYCHS	R9PSYCHS	
.c:no prev IW	1214	509	38	1279	
.r:Refuse	2	1	1		
0.no	9290	9077	8321	7375	
1.yes	95	79	85	82	
Value-----		S2PSYCHS	S3PSYCHS	S4PSYCHS	S5PSYCHS
.c:no prev IW		107	1319	1980	134
.d:DK		4		3	3
.r:Refuse		1	1	3	2
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.no		5987	5021	5371	6755
1.yes		79	43	45	70
Value-----	S6PSYCHS	S7PSYCHS	S8PSYCHS	S9PSYCHS	
.c:no prev IW	913	389	37	903	
.r:Refuse	1	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6271	6123	5602	4871	
1.yes	57	47	48	46	
Value-----		R2ARTHRS	R3ARTHRS	R4ARTHRS	R5ARTHRS
.c:no prev IW		107	1723	2681	140
.d:DK		4		4	4
.m:Missing				1	1
.r:Refuse		1	1	3	2
0.no		8843	7730	8018	9742
1.yes		477	312	343	385
Value-----	R6ARTHRS	R7ARTHRS	R8ARTHRS	R9ARTHRS	
.c:no prev IW	1214	509	38	1279	
.r:Refuse	2	1	1		
0.no	9058	8890	8087	7174	
1.yes	327	266	319	283	
Value-----		S2ARTHRS	S3ARTHRS	S4ARTHRS	S5ARTHRS
.c:no prev IW		107	1319	1980	134
.d:DK		4		3	3

.m:Missing				1	1
.r:Refuse		1	1	3	2
.u:Unmar	2671		2706	2932	2742
.v:SP NR	583		676	716	568
0.no	5761		4873	5203	6576
1.yes	305		191	212	248
Value-----	S6ARTHRS	S7ARTHRS	S8ARTHRS	S9ARTHRS	
.c:no prev IW	913	389	37	903	
.r:Refuse	1	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6111	5992	5447	4740	
1.yes	217	178	203	177	
Value-----		R2ASTHMAS	R3ASTHMAS	R4ASTHMAS	R5ASTHMAS
.c:no prev IW		107	1723	2681	140
.d:DK		4		4	4
.r:Refuse		1	1	3	2
0.no		9205	7982	8283	10051
1.yes		115	60	79	77
Value-----	R6ASTHMAS	R7ASTHMAS	R8ASTHMAS	R9ASTHMAS	
.c:no prev IW	1214	509	38	1279	
.r:Refuse	2	1	1		
0.no	9334	9101	8340	7398	
1.yes	51	55	66	59	
Value-----		S2ASTHMAS	S3ASTHMAS	S4ASTHMAS	S5ASTHMAS
.c:no prev IW		107	1319	1980	134
.d:DK		4		3	3
.r:Refuse		1	1	3	2
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.no		5997	5024	5371	6773
1.yes		69	40	45	52
Value-----	S6ASTHMAS	S7ASTHMAS	S8ASTHMAS	S9ASTHMAS	
.c:no prev IW	913	389	37	903	
.r:Refuse	1	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6295	6137	5610	4884	
1.yes	33	33	40	33	
Value-----			R3HCHOLS	R4HCHOLS	R5HCHOLS
.c:no prev IW			1723	2680	140
.d:DK				4	4
.r:Refuse			1	4	3
0.no			6013	6013	7007
1.yes			2029	2349	3120
Value-----	R6HCHOLS	R7HCHOLS	R8HCHOLS	R9HCHOLS	
.c:no prev IW	1214	509	38	1278	
.d:DK				2	
.r:Refuse	3	1	1		
0.no	6270	6025	5438	4665	
1.yes	3114	3131	2968	2791	
Value-----			S3HCHOLS	S4HCHOLS	S5HCHOLS
.c:no prev IW			1319	1979	134
.d:DK				3	3
.r:Refuse			1	4	2
.u:Unmar			2706	2932	2742
.v:SP NR			676	716	568
0.no			3776	3921	4755
1.yes			1288	1495	2070
Value-----	S6HCHOLS	S7HCHOLS	S8HCHOLS	S9HCHOLS	
.c:no prev IW	913	389	37	902	
.d:DK				2	

.r:Refuse	2	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	4245	4110	3707	3137	
1.yes	2082	2060	1943	1779	
Value-----		R2CATRCTS	R3CATRCTS	R4CATRCTS	R5CATRCTS
.c:no prev IW		107	1723	2680	140
.d:DK		16	6	4	3
.r:Refuse		1	1	4	2
0.no		8885	7646	7974	9628
1.yes		423	390	388	501
Value-----	R6CATRCTS	R7CATRCTS	R8CATRCTS	R9CATRCTS	
.c:no prev IW	1212	509	38	1279	
.d:DK	2	1			
.r:Refuse	2	1	1		
0.no	8879	8618	7791	6802	
1.yes	506	537	615	655	
Value-----		S2CATRCTS	S3CATRCTS	S4CATRCTS	S5CATRCTS
.c:no prev IW		107	1319	1980	134
.d:DK		9	3	2	2
.r:Refuse		1	1	4	2
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.no		5849	4859	5184	6527
1.yes		212	202	232	299
Value-----	S6CATRCTS	S7CATRCTS	S8CATRCTS	S9CATRCTS	
.c:no prev IW	912	389	37	903	
.d:DK	1	1			
.r:Refuse	1	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6016	5830	5261	4487	
1.yes	312	339	389	430	
Value-----		R2PARKINS	R3PARKINS	R4PARKINS	R5PARKINS
.c:no prev IW		107	1723	2681	140
.d:DK		4		4	4
.r:Refuse		1	1	3	2
0.no		9304	8019	8346	10111
1.yes		16	23	16	17
Value-----	R6PARKINS	R7PARKINS	R8PARKINS	R9PARKINS	
.c:no prev IW	1214	509	38	1279	
.r:Refuse	2	1	1		
0.no	9368	9131	8381	7437	
1.yes	17	25	25	20	
Value-----		S2PARKINS	S3PARKINS	S4PARKINS	S5PARKINS
.c:no prev IW		107	1319	1980	134
.d:DK		4		3	3
.r:Refuse		1	1	3	2
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.no		6056	5052	5402	6813
1.yes		10	12	14	12
Value-----	S6PARKINS	S7PARKINS	S8PARKINS	S9PARKINS	
.c:no prev IW	913	389	37	903	
.r:Refuse	1	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6313	6155	5632	4901	
1.yes	15	15	18	16	
Value-----		R2HIPS	R3HIPS	R4HIPS	R5HIPS
.a:age less than 60		3929	4450	4544	3617
.c:no prev IW		29	95	1443	73

.d:DK		5	2	3	7
.m:Missing		110	61	12	3
.r:Refuse		151	7	2	10
0.no		5176	5118	5004	6520
1.yes		32	33	42	44
Value-----	R6HIPS	R7HIPS	R8HIPS	R9HIPS	
.a:age less than 60	3712	3016	1990	2446	
.c:no prev IW	101	41	23	52	
.d:DK	7	2	4	1	
.m:Missing	3		4	6	
.r:Refuse	3	8	8	3	
0.no	6725	6548	6363	6179	
1.yes	50	51	53	49	
Value-----	S2HIPS	S3HIPS	S4HIPS	S5HIPS	
.a:age less than 60	2950	3327	3416	2817	
.c:no prev IW	29	91	1055	68	
.d:DK	2		3	7	
.m:Missing	79	39	8	1	
.r:Refuse	107	5	1	9	
.u:Unmar	2671	2706	2932	2742	
.v:SP NR	583	676	716	568	
0.no	2998	2909	2906	4041	
1.yes	13	11	13	21	
Value-----	S6HIPS	S7HIPS	S8HIPS	S9HIPS	
.a:age less than 60	2835	2280	1501	1764	
.c:no prev IW	100	39	23	51	
.d:DK	5	2	4	1	
.m:Missing	2		2	2	
.r:Refuse	3	6	6	2	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	4280	4210	4127	3973	
1.yes	17	23	25	27	

## How Constructed

RwHIBPS, RwDIABS, RwcANCERS, RwlUNGS, RwhEARTS, RwSTROKS, RwPSYCHS, RwarTHRS, RwASTHMAS, RwhCHOLS, RwcATRCTS, RwpARKINS, and RwhIPS indicate if the respondent has reported the onset of a condition since the last interview to which they responded. They are set to yes, and coded as 1, only if the condition is new since last interview, that is, the respondent reported not having the condition at the last interview but says they have it now. Don't know, refused, or other missing values of RwhIBPS, RwdIABS, RwcANCERS, RwlUNGS, RwhEARTS, RwSTROKS, RwPSYCHS, RwarTHRS, RwASTHMAS, RwhCHOLS, RwcATRCTS, RwpARKINS, and RwhIPS are assigned special missing codes .d, .r, .m, respectively. A special missing value .c is used when there is no previous report of the condition so there cannot be a change. A special missing value .a is used when the respondent is younger than age 60 in the present wave or in the most recent responding wave, and so was not asked about breaking their hip. RwhIBPS, RwdIABS, RwcANCERS, RwlUNGS, RwhEARTS, RwSTROKS, RwPSYCHS, RwarTHRS, RwASTHMAS, RwhCHOLS, RwcATRCTS, RwpARKINS, and RwhIPS are set to plain missing (.) for respondents who did not respond to the current wave.

SwHIBPS, SwDIABS, SwcANCERS, SwlUNGS, SwHEARTS, SwSTROKS, SwPSYCHS, SwarTHRS, SwASTHMAS, SwHCHOLS, SwcATRCTS, SwpARKINS, and SwHIPS indicate if the respondent's spouse reported the onset of a condition since the last interview and are taken directly from the spouse's responses to RwhIBPS, RwdIABS, RwcANCERS, RwlUNGS, RwhEARTS, RwSTROKS, RwPSYCHS, RwarTHRS, RwASTHMAS, RwhCHOLS, RwcATRCTS, RwpARKINS, and RwhIPS, respectively. In addition to the special missing codes used in RwhIBPS, RwdIABS, RwcANCERS, RwlUNGS, RwhEARTS, RwSTROKS, RwPSYCHS, RwarTHRS, RwASTHMAS, RwhCHOLS, RwcATRCTS, RwpARKINS, and RwhIPS, SwHIBPS, SwDIABS, SwcANCERS, SwlUNGS, SwHEARTS, SwSTROKS, SwPSYCHS, SwarTHRS, SwASTHMAS, SwHCHOLS, SwcATRCTS, SwpARKINS, and SwHIPS employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please see the section on "Doctor Diagnosed Health Problems: Ever Have Condition" earlier in this codebook for a description of related "ever had" variables.



## Cross Wave Differences in ELSA

High cholesterol is only asked starting in Wave 2, so RWHCHOLS is only available starting in Wave 3.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA surveys angina, a heart attack (including myocardial infarction or coronary thrombosis), congestive heart failure, a heart murmur, an abnormal heart rhythm, or any other heart trouble separately, so RWHARTS refers to whether the respondent reported any of these conditions. Unlike the HRS, ELSA surveys respondents as to whether they have ever been diagnosed with asthma.

## ELSA Variables Used

### Wave 1 Core:

HEDIB01	has a doctor ever told you that you [have/have had] any
HEDIB02	has a doctor ever told you that you [have/have had] any
HEDIB03	has a doctor ever told you that you [have/have had] any
HEDIB04	has a doctor ever told you that you [have/have had] any
HEDIB05	has a doctor ever told you that you [have/have had] any
HEDIB06	has a doctor ever told you that you [have/have had] any
HEDIB07	has a doctor ever told you that you [have/have had] any
HEDIB08	has a doctor ever told you that you [have/have had] any
HEDIB09	has a doctor ever told you that you [have/have had] any
HEDIB10	has a doctor ever told you that you [have/have had] any
HEDIM01	merged - has a doctor ever told you that you [have/have
HEDIM02	merged - has a doctor ever told you that you [have/have
HEDIM03	merged - has a doctor ever told you that you [have/have
HEDIM04	merged - has a doctor ever told you that you [have/have
HEDIM05	merged - has a doctor ever told you that you [have/have
HEDIM06	merged - has a doctor ever told you that you [have/have
HEDIM07	merged - has a doctor ever told you that you [have/have
HEFRAC	have you ever fractured your hip?
HEOPT1	has a doctor or optician ever told you that [have/have h
HEOPT2	has a doctor or optician ever told you that [have/have h
HEOPT3	has a doctor or optician ever told you that [have/have h
HEOPT4	has a doctor or optician ever told you that [have/have h
HEOPT5	has a doctor or optician ever told you that [have/have h

### Wave 2 Core:

BHEOPT1	Diagnosed eye condition reported at Wave 1 (1st mention)
BHEOPT2	Diagnosed eye condition reported at Wave 1 (2nd mention)
BHEOPT3	Diagnosed eye condition reported at Wave 1 (3rd mention)
BHEOPT4	Diagnosed eye condition reported at Wave 1 (4th mention)
HEDIA01	Diagnosed cardiovascular condition newly reported at W2
HEDIA02	Diagnosed cardiovascular condition newly reported at W2
HEDIA03	Diagnosed cardiovascular condition newly reported at W2
HEDIA04	Diagnosed cardiovascular condition newly reported at W2
HEDIA05	Diagnosed cardiovascular condition newly reported at W2
HEDIA06	Diagnosed cardiovascular condition newly reported at W2
HEDIA07	Diagnosed cardiovascular condition newly reported at W2
HEDIA08	Diagnosed cardiovascular condition newly reported at W2
HEDIA09	Diagnosed cardiovascular condition newly reported at W2
HEDIAC1	Whether confirms high blood pressure recorded in wave 1
HEDIAC2	Whether confirms angina recorded in wave 1
HEDIAC3	Whether confirms heart attack recorded in wave 1
HEDIAC4	Whether confirms congestive heart failure recorded in wa
HEDIAC5	Whether confirms heart murmur recorded in wave 1
HEDIAC6	Whether confirms abnormal heart rhythm recorded in wave
HEDIAC7	Whether confirms diabetes recorded in wave 1
HEDIAC8	Whether confirms stroke recorded in wave 1
HEDIAC9	Whether confirms other heart problem recorded in wave 1
HEDIAD1	Whether confirms chronic lung disease recorded in wave 1
HEDIAD2	Whether confirms asthma recorded in wave 1

HEDIAD3 Whether confirms arthritis recorded in wave 1  
 HEDIAD5 Whether confirms cancer recorded in wave 1  
 HEDIAD6 Whether confirms Parkinsons disease recorded in wave 1  
 HEDIAD7 Whether confirms psychiatric problems recorded in wave 1  
 HEDIB01 Diagnosed chronic condition newly reported at W2 (1st me  
 HEDIB02 Diagnosed chronic condition newly reported at W2 (2nd me  
 HEDIB03 Diagnosed chronic condition newly reported at W2 (3rd me  
 HEDIB04 Diagnosed chronic condition newly reported at W2 (4th me  
 HEDIM01 Diagnosed cardiovascular condit. newly reported at W2 (1  
 HEDIM02 Diagnosed cardiovascular condit. newly reported at W2 (2  
 HEDIM03 Diagnosed cardiovascular condit. newly reported at W2 (3  
 HEDIM04 Diagnosed cardiovascular condit. newly reported at W2 (4  
 HEDIM05 Diagnosed cardiovascular condit. newly reported at W2 (5  
 HEDIM06 Diagnosed cardiovascular condit. newly reported at W2 (6  
 HEDIM07 Diagnosed cardiovascular condit. newly reported at W2 (7  
 HEDIM08 Diagnosed cardiovascular condit. newly reported at W2 (8  
 HEFRAC Whether fractured hip  
 HEOPC Whether confirms diagnosed eye condition recorded in wav  
 HEOPT1 Diagnosed eye condition newly reported at W2 (1st mentio  
 HEOPT2 Diagnosed eye condition newly reported at W2 (2nd mentio

## Wave 3 Core:

HEDACAN whether confirms angina diagnosis  
 HEDACAR whether confirms abnormal heart rhythm diagnosis  
 HEDACBP whether confirms high blood pressure diagnosis  
 HEDACCH whether confirms high cholesterol diagnosis  
 HEDACDI whether confirms diabetes or high blood sugar diagnosis  
 HEDACHF whether confirms congestive heart failure diagnosis  
 HEDACHM whether confirms heart murmur diagnosis  
 HEDACMI whether confirms heart attack diagnosis  
 HEDACOT whether confirms other heart disease diagnosis  
 HEDACST whether confirms stroke diagnosis  
 HEDBDAR whether confirms arthritis diagnosis  
 HEDBDAS whether confirms asthma diagnosis  
 HEDBDCA whether confirms cancer diagnosis  
 HEDBDLU whether confirms lung disease diagnosis  
 HEDBDPD whether confirms parkinsons disease diagnosis  
 HEDBDPS whether confirms psychiatric condition diagnosis  
 HEDIBAR (d) ever reported arthritis (diagnosed)  
 HEDIBAS (d) ever reported asthma (diagnosed)  
 HEDIBCA (d) ever reported cancer (diagnosed)  
 HEDIBLU (d) ever reported hedibonic lung disease (diagnosed)  
 HEDIBPD (d) ever reported parkinson's disease (diagnosed)  
 HEDIBPS (d) ever reported psychiatric disease (diagnosed)  
 HEDIM85 cvd:heart disease diagnosis newly reported does not fit  
 HEDIMAN (d) ever reported angina (diagnosed)  
 HEDIMAR (d) ever reported arrhythmia (diagnosed)  
 HEDIMBP (d) ever reported high blood pressure (diagnosed)  
 HEDIMCH (d) ever reported high cholesterol  
 HEDIMDI (d) ever reported diabetes or high blood sugar (diagnose  
 HEDIMHF (d) ever reported congestive heart failure (diagnosed)  
 HEDIMHM (d) ever reported heart murmur (diagnosed)  
 HEDIMMI (d) ever reported myocardial infarction (diagnosed)  
 HEDIMST (d) ever reported stroke  
 HEFRAC whether fractured hip  
 HEOPCCA whether confirms cataract diagnosis  
 HEOPTCA (d) ever reported cataract (diagnosed)

## Wave 4 Core:

HEDACAN whether confirms angina diagnosis  
 HEDACAR whether confirms abnormal heart rhythm diagnosis  
 HEDACBP whether confirms high blood pressure diagnosis  
 HEDACCH whether confirms high cholesterol diagnosis  
 HEDACDI whether confirms diabetes or high blood sugar diagnosis  
 HEDACHF whether confirms congestive heart failure diagnosis

HEDACHM whether confirms heart murmur diagnosis  
 HEDACMI whether confirms heart attack diagnosis  
 HEDACOT whether confirms other heart disease diagnosis  
 HEDACST whether confirms stroke diagnosis  
 HEDBDAR whether confirms arthritis diagnosis  
 HEDBDAS whether confirms asthma diagnosis  
 HEDBDCA whether confirms cancer diagnosis  
 HEDBDLU whether confirms lung disease diagnosis  
 HEDBDPD whether confirms parkinsons disease diagnosis  
 HEDBDPS whether confirms psychiatric condition diagnosis  
 HEDIBAR chronic: arthritis diagnosis newly reported  
 HEDIBAS chronic: asthma diagnosis newly reported  
 HEDIBCA chronic: cancer diagnosis newly reported  
 HEDIBLU chronic: lung disease diagnosis newly reported  
 HEDIBPD chronic: parkinsons disease diagnosis newly reported  
 HEDIBPS chronic: psychiatric condition newly reported  
 HEDIM85 cvd:heart disease diagnosis newly reported does not fit  
 HEDIMAN cvd: angina diagnosis newly reported (merged)  
 HEDIMAR cvd: abnormal heart rhythm diagnosis newly reported (mer  
 HEDIMBP cvd: high blood pressure diagnosis newly reported (merge  
 HEDIMCH cvd: high cholesterol diagnosis newly reported (merged)  
 HEDIMDI cvd: diabetes or high blood sugar diagnosis newly report  
 HEDIMHF cvd: congestive heart failure diagnosis newly reported (  
 HEDIMHM cvd: heart murmur diagnosis newly reported (merged)  
 HEDIMMI cvd: heart attack diagnosis newly reported (merged)  
 HEDIMST cvd: stroke diagnosis newly reported (merged)  
 HEFRAC whether fractured hip in last two years  
 HEOPCCA whether confirms cataract diagnosis  
 HEOPTCA eye: cataract diagnosis newly reported

## Wave 5 Core:

HEDACAN Whether confirms angina diagnosis  
 HEDACAR Whether confirms abnormal heart rhythm diagnosis  
 HEDACBP Whether confirms high blood pressure diagnosis  
 HEDACCH Whether confirms high cholesterol diagnosis  
 HEDACDI Whether confirms diabetes or high blood sugar diagnosis  
 HEDACHF Whether confirms congestive heart failure diagnosis  
 HEDACHM Whether confirms heart murmur diagnosis  
 HEDACMI Whether confirms heart attack diagnosis  
 HEDACOT Whether confirms other heart disease diagnosis  
 HEDACST Whether confirms stroke diagnosis  
 HEDBDAR Whether confirms arthritis diagnosis  
 HEDBDAS Whether confirms asthma diagnosis  
 HEDBDCA Whether confirms cancer diagnosis  
 HEDBDLU Whether confirms lung disease diagnosis  
 HEDBDPD Whether confirms Parkinsons Disease diagnosis  
 HEDBDPS Whether confirms psychiatric condition diagnosis  
 HEDIBAR Chronic: arthritis diagnosis newly reported  
 HEDIBAS Chronic: asthma diagnosis newly reported  
 HEDIBCA Chronic: cancer diagnosis newly reported  
 HEDIBLU Chronic: lung disease diagnosis newly reported  
 HEDIBPD Chronic: Parkinsons Disease diagnosis newly reported  
 HEDIBPS Chronic: psychiatric condition newly reported  
 HEDIM85 CVD:heart disease diagnosis newly reported does not fit  
 HEDIMAN CVD: angina diagnosis newly reported (merged)  
 HEDIMAR CVD: abnormal heart rhythm diagnosis newly reported (mer  
 HEDIMBP CVD: high blood pressure diagnosis newly reported (merge  
 HEDIMCH CVD: high cholesterol diagnosis newly reported (merged)  
 HEDIMDI CVD: diabetes or high blood sugar diagnosis newly report  
 HEDIMHF CVD: congestive heart failure diagnosis newly reported (  
 HEDIMHM CVD: heart murmur diagnosis newly reported (merged)  
 HEDIMMI CVD: heart attack diagnosis newly reported (merged)  
 HEDIMST CVD: stroke diagnosis newly reported (merged)  
 HEFRAC Whether fractured hip

HEOPCCA	Whether confirms cataract diagnosis
HEOPTCA	Eye: cataract diagnosis newly reported
Wave 6 Core:	
HEDACAN	whether confirms angina diagnosis
HEDACAR	whether confirms abnormal heart rhythm diagnosis
HEDACBP	whether confirms high blood pressure diagnosis
HEDACCH	whether confirms high cholesterol diagnosis
HEDACDI	whether confirms diabetes or high blood sugar diagnosis
HEDACHF	whether confirms congestive heart failure diagnosis
HEDACHM	whether confirms heart murmur diagnosis
HEDACMI	whether confirms heart attack diagnosis
HEDACOT	whether confirms other heart disease diagnosis
HEDACST	whether confirms stroke diagnosis
HEDBDAR	whether confirms arthritis diagnosis
HEDBDAS	whether confirms asthma diagnosis
HEDBDCA	whether confirms cancer diagnosis
HEDBDLU	whether confirms lung disease diagnosis
HEDBDPD	whether confirms parkinsons disease diagnosis
HEDBDPS	whether confirms psychiatric condition diagnosis
HEDIBAR	chronic: arthritis diagnosis newly reported
HEDIBAS	chronic: asthma diagnosis newly reported
HEDIBCA	chronic: cancer diagnosis newly reported
HEDIBLU	chronic: lung disease diagnosis newly reported
HEDIBPD	chronic: parkinsons disease diagnosis newly reported
HEDIBPS	chronic: psychiatric condition newly reported
HEDIM85	cvd:heart disease diagnosis newly reported does not fit
HEDIMAN	cvd: angina diagnosis newly reported (merged)
HEDIMAR	cvd: abnormal heart rhythm diagnosis newly reported (mer
HEDIMBP	cvd: high blood pressure diagnosis newly reported (merge
HEDIMCH	cvd: high cholesterol diagnosis newly reported (merged)
HEDIMDI	cvd: diabetes or high blood sugar diagnosis newly report
HEDIMHF	cvd: congestive heart failure diagnosis newly reported (
HEDIMHM	cvd: heart murmur diagnosis newly reported (merged)
HEDIMMI	cvd: heart attack diagnosis newly reported (merged)
HEDIMST	cvd: stroke diagnosis newly reported (merged)
HEFRAC	whether fractured hip
HEOPCCA	whether confirms cataract diagnosis
HEOPTCA	eye: cataract diagnosis newly reported
Wave 7 Core:	
HEDACAN	whether confirms angina diagnosis
HEDACAR	whether confirms abnormal heart rhythm diagnosis
HEDACBP	whether confirms high blood pressure diagnosis
HEDACCH	whether confirms high cholesterol diagnosis
HEDACDI	whether confirms diabetes or high blood sugar diagnosis
HEDACHF	whether confirms congestive heart failure diagnosis
HEDACHM	whether confirms heart murmur diagnosis
HEDACMI	whether confirms heart attack diagnosis
HEDACOT	whether confirms other heart disease diagnosis
HEDACST	whether confirms stroke diagnosis
HEDBDAR	whether confirms arthritis diagnosis
HEDBDAS	whether confirms asthma diagnosis
HEDBDCA	whether confirms cancer diagnosis
HEDBDLU	whether confirms lung disease diagnosis
HEDBDPD	whether confirms parkinsons disease diagnosis
HEDBDPS	whether confirms psychiatric condition diagnosis
HEDIBAR	chronic: arthritis diagnosis newly reported
HEDIBAS	chronic: asthma diagnosis newly reported
HEDIBCA	chronic: cancer diagnosis newly reported
HEDIBLU	chronic: lung disease diagnosis newly reported
HEDIBPD	chronic: parkinsons disease diagnosis newly reported
HEDIBPS	chronic: psychiatric condition newly reported
HEDIM85	cvd:heart disease diagnosis newly reported does not fit
HEDIMAN	cvd: angina diagnosis newly reported (merged)

HEDIMAR	cvd: abnormal heart rhythm diagnosis newly reported (mer
HEDIMBP	cvd: high blood pressure diagnosis newly reported (merge
HEDIMCH	cvd: high cholesterol diagnosis newly reported (merged)
HEDIMDI	cvd: diabetes or high blood sugar diagnosis newly report
HEDIMHF	cvd: congestive heart failure diagnosis newly reported (
HEDIMHM	cvd: heart murmur diagnosis newly reported (merged)
HEDIMMI	cvd: heart attack diagnosis newly reported (merged)
HEDIMST	cvd: stroke diagnosis newly reported (merged)
HEFRAC	whether fractured hip
HEOPCCA	whether confirms cataract diagnosis
HEOPTCA	eye: cataract diagnosis newly reported
Wave 8 Core:	
HEDAC95	whether confirms other heart disease diagnosis
HEDACAN	whether confirms angina diagnosis
HEDACAR	whether confirms abnormal heart rhythm diagnosis
HEDACBP	whether confirms high blood pressure diagnosis
HEDACCH	whether confirms high cholesterol diagnosis
HEDACDI	whether confirms diabetes or high blood sugar diagnosis
HEDACHF	whether confirms congestive heart failure diagnosis
HEDACHM	whether confirms heart murmur diagnosis
HEDACMI	whether confirms heart attack diagnosis
HEDACST	whether confirms stroke diagnosis
HEDBDAR	whether confirms arthritis diagnosis
HEDBDAS	whether confirms asthma diagnosis
HEDBDCA	whether confirms cancer diagnosis
HEDBDLU	whether confirms lung disease diagnosis
HEDBDPD	whether confirms parkinson's disease diagnosis
HEDBDPS	whether confirms psychiatric condition diagnosis
HEDIBAR	chronic: arthritis diagnosis newly reported
HEDIBAS	chronic: asthma diagnosis newly reported
HEDIBCA	chronic: cancer diagnosis newly reported
HEDIBLU	chronic: lung disease diagnosis newly reported
HEDIBPD	chronic: parkinson's disease diagnosis newly reported
HEDIBPS	chronic: psychiatric condition newly reported
HEDIM85	cardiovascular disease: other heart disease newly report
HEDIMAN	cardiovascular disease: angina diagnosis newly reported
HEDIMAR	cardiovascular disease: abnormal heart rhythm diagnosis
HEDIMBP	cardiovascular disease: high blood pressure diagnosis ne
HEDIMCH	cardiovascular disease: high cholesterol diagnosis newly
HEDIMDI	cardiovascular disease: diabetes or high blood sugar dia
HEDIMHF	cardiovascular disease: congestive heart failure diagnos
HEDIMHM	cardiovascular disease: heart murmur diagnosis newly rep
HEDIMMI	cardiovascular disease: heart attack diagnosis newly rep
HEDIMST	cardiovascular disease: stroke diagnosis newly reported
HEFRAC	whether has fractured hip
HEOPCCA	whether confirms cataract diagnosis
HEOPTCA	eye: cataract diagnosis newly reported
Wave 9 Core:	
HEDAC95	Whether confirms other heart disease diagnosis
HEDACAR	Whether confirms abnormal heart rhythm diagnosis
HEDACBP	Whether confirms high blood pressure diagnosis
HEDACCH	Whether confirms high cholesterol diagnosis
HEDACDI	Whether confirms diabetes or high blood sugar diagnosis
HEDACHF	Whether confirms congestive heart failure diagnosis
HEDACHM	Whether confirms heart murmur diagnosis
HEDACST	Whether confirms stroke diagnosis
HEDBDAR	Whether confirms arthritis diagnosis
HEDBDAS	Whether confirms asthma diagnosis
HEDBDCA	Whether confirms cancer diagnosis
HEDBDLU	Whether confirms lung disease diagnosis
HEDBDPD	Whether confirms Parkinson's disease diagnosis
HEDBDPS	Whether confirms psychiatric condition diagnosis
HEDIBAR	Chronic: arthritis diagnosis newly reported

HEDIBAS Chronic: asthma diagnosis newly reported  
HEDIBCA Chronic: cancer diagnosis newly reported  
HEDIBLU Chronic: lung disease diagnosis newly reported  
HEDIBPD Chronic: Parkinson's disease diagnosis newly reported  
HEDIBPS Chronic: psychiatric condition newly reported  
HEDIM85 Cardiovascular disease: other heart disease newly report  
HEDIMAN Cardiovascular disease: angina diagnosis newly reported  
HEDIMAR Cardiovascular disease: abnormal heart rhythm diagnosis  
HEDIMBP Cardiovascular disease: high blood pressure diagnosis ne  
HEDIMCH Cardiovascular disease: high cholesterol diagnosis newly  
HEDIMDI Cardiovascular disease: diabetes or high blood sugar dia  
HEDIMHF Cardiovascular disease: congestive heart failure diagnos  
HEDIMHM Cardiovascular disease: heart murmur diagnosis newly rep  
HEDIMMI Cardiovascular disease: heart attack diagnosis newly rep  
HEDIMST Cardiovascular disease: stroke diagnosis newly reported  
HEFRAC Whether has fractured hip  
HEOPCCA Whether confirms cataract diagnosis  
HEOPTCA Eye: cataract diagnosis newly reported

### Change in Health: Memory-Related Problems

Wave	Variable	Label	Type
2	R2ALZHS	r2alzhs:w2 R had alzheimer's since last IW	Categ
3	R3ALZHS	r3alzhs:w3 R had alzheimer's since last IW	Categ
4	R4ALZHS	r4alzhs:w4 R had alzheimer's since last IW	Categ
5	R5ALZHS	r5alzhs:w5 R had alzheimer's since last IW	Categ
6	R6ALZHS	r6alzhs:w6 R had alzheimer's since last IW	Categ
7	R7ALZHS	r7alzhs:w7 R had alzheimer's since last IW	Categ
8	R8ALZHS	r8alzhs:w8 R had alzheimer's since last IW	Categ
9	R9ALZHS	r9alzhs:w9 R had alzheimer's since last IW	Categ
2	S2ALZHS	s2alzhs:w2 S had alzheimer's since last IW	Categ
3	S3ALZHS	s3alzhs:w3 S had alzheimer's since last IW	Categ
4	S4ALZHS	s4alzhs:w4 S had alzheimer's since last IW	Categ
5	S5ALZHS	s5alzhs:w5 S had alzheimer's since last IW	Categ
6	S6ALZHS	s6alzhs:w6 S had alzheimer's since last IW	Categ
7	S7ALZHS	s7alzhs:w7 S had alzheimer's since last IW	Categ
8	S8ALZHS	s8alzhs:w8 S had alzheimer's since last IW	Categ
9	S9ALZHS	s9alzhs:w9 S had alzheimer's since last IW	Categ
2	R2DEMENS	r2demens:w2 R had dementia since last IW	Categ
3	R3DEMENS	r3demens:w3 R had dementia since last IW	Categ
4	R4DEMENS	r4demens:w4 R had dementia since last IW	Categ
5	R5DEMENS	r5demens:w5 R had dementia since last IW	Categ
6	R6DEMENS	r6demens:w6 R had dementia since last IW	Categ
7	R7DEMENS	r7demens:w7 R had dementia since last IW	Categ
8	R8DEMENS	r8demens:w8 R had dementia since last IW	Categ
9	R9DEMENS	r9demens:w9 R had dementia since last IW	Categ
2	S2DEMENS	s2demens:w2 S had dementia since last IW	Categ
3	S3DEMENS	s3demens:w3 S had dementia since last IW	Categ
4	S4DEMENS	s4demens:w4 S had dementia since last IW	Categ
5	S5DEMENS	s5demens:w5 S had dementia since last IW	Categ
6	S6DEMENS	s6demens:w6 S had dementia since last IW	Categ
7	S7DEMENS	s7demens:w7 S had dementia since last IW	Categ
8	S8DEMENS	s8demens:w8 S had dementia since last IW	Categ
9	S9DEMENS	s9demens:w9 S had dementia since last IW	Categ
2	R2MEMRYS	r2memrys:w2 R had memory prob since last IW	Categ
3	R3MEMRYS	r3memrys:w3 R had memory prob since last IW	Categ
4	R4MEMRYS	r4memrys:w4 R had memory prob since last IW	Categ
5	R5MEMRYS	r5memrys:w5 R had memory prob since last IW	Categ
6	R6MEMRYS	r6memrys:w6 R had memory prob since last IW	Categ
7	R7MEMRYS	r7memrys:w7 R had memory prob since last IW	Categ
8	R8MEMRYS	r8memrys:w8 R had memory prob since last IW	Categ
9	R9MEMRYS	r9memrys:w9 R had memory prob since last IW	Categ
2	S2MEMRYS	s2memrys:w2 S had memory prob since last IW	Categ
3	S3MEMRYS	s3memrys:w3 S had memory prob since last IW	Categ
4	S4MEMRYS	s4memrys:w4 S had memory prob since last IW	Categ
5	S5MEMRYS	s5memrys:w5 S had memory prob since last IW	Categ
6	S6MEMRYS	s6memrys:w6 S had memory prob since last IW	Categ
7	S7MEMRYS	s7memrys:w7 S had memory prob since last IW	Categ
8	S8MEMRYS	s8memrys:w8 S had memory prob since last IW	Categ
9	S9MEMRYS	s9memrys:w9 S had memory prob since last IW	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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R2ALZHS	9320	0.00	0.03	0.00	1.00
R3ALZHS	8042	0.00	0.05	0.00	1.00
R4ALZHS	8362	0.00	0.05	0.00	1.00
R5ALZHS	10128	0.00	0.06	0.00	1.00
R6ALZHS	9385	0.00	0.06	0.00	1.00
R7ALZHS	9156	0.00	0.05	0.00	1.00
R8ALZHS	8406	0.00	0.07	0.00	1.00
R9ALZHS	7457	0.00	0.06	0.00	1.00
S2ALZHS	6066	0.00	0.03	0.00	1.00
S3ALZHS	5064	0.00	0.04	0.00	1.00
S4ALZHS	5416	0.00	0.04	0.00	1.00
S5ALZHS	6825	0.00	0.04	0.00	1.00
S6ALZHS	6328	0.00	0.05	0.00	1.00
S7ALZHS	6170	0.00	0.04	0.00	1.00
S8ALZHS	5650	0.00	0.07	0.00	1.00
S9ALZHS	4917	0.00	0.05	0.00	1.00
R2DEMENS	9320	0.00	0.07	0.00	1.00
R3DEMENS	8042	0.01	0.08	0.00	1.00
R4DEMENS	8362	0.01	0.09	0.00	1.00
R5DEMENS	10128	0.01	0.08	0.00	1.00
R6DEMENS	9385	0.01	0.09	0.00	1.00
R7DEMENS	9156	0.01	0.09	0.00	1.00
R8DEMENS	8406	0.01	0.10	0.00	1.00
R9DEMENS	7457	0.01	0.11	0.00	1.00
S2DEMENS	6066	0.00	0.06	0.00	1.00
S3DEMENS	5064	0.00	0.07	0.00	1.00
S4DEMENS	5416	0.00	0.07	0.00	1.00
S5DEMENS	6825	0.00	0.07	0.00	1.00
S6DEMENS	6328	0.01	0.07	0.00	1.00
S7DEMENS	6170	0.00	0.07	0.00	1.00
S8DEMENS	5650	0.01	0.09	0.00	1.00
S9DEMENS	4917	0.01	0.09	0.00	1.00
R2MEMRYS	9320	0.01	0.07	0.00	1.00
R3MEMRYS	8042	0.01	0.09	0.00	1.00
R4MEMRYS	8362	0.01	0.09	0.00	1.00
R5MEMRYS	10128	0.01	0.09	0.00	1.00
R6MEMRYS	9385	0.01	0.10	0.00	1.00
R7MEMRYS	9156	0.01	0.09	0.00	1.00
R8MEMRYS	8406	0.01	0.11	0.00	1.00
R9MEMRYS	7457	0.01	0.11	0.00	1.00
S2MEMRYS	6066	0.00	0.07	0.00	1.00
S3MEMRYS	5064	0.01	0.07	0.00	1.00
S4MEMRYS	5416	0.00	0.07	0.00	1.00
S5MEMRYS	6825	0.01	0.07	0.00	1.00
S6MEMRYS	6328	0.01	0.08	0.00	1.00
S7MEMRYS	6170	0.01	0.07	0.00	1.00
S8MEMRYS	5650	0.01	0.10	0.00	1.00
S9MEMRYS	4917	0.01	0.10	0.00	1.00

### Categorical Variable Codes

Value-----	R2ALZHS	R3ALZHS	R4ALZHS	R5ALZHS
.c:no prev IW	107	1723	2681	140
.d:DK	4		4	4
.r:Refuse	1	1	3	2
0.no	9310	8021	8341	10094
1.yes	10	21	21	34



Value-----	R6ALZHS	R7ALZHS	R8ALZHS	R9ALZHS	
.c:no prev IW	1214	509	38	1279	
.r:Refuse	2	1	1		
0.no	9354	9133	8366	7429	
1.yes	31	23	40	28	
Value-----		S2ALZHS	S3ALZHS	S4ALZHS	S5ALZHS
.c:no prev IW		107	1319	1980	134
.d:DK		4		3	3
.r:Refuse		1	1	3	2
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.no		6060	5054	5409	6812
1.yes		6	10	7	13
Value-----	S6ALZHS	S7ALZHS	S8ALZHS	S9ALZHS	
.c:no prev IW	913	389	37	903	
.r:Refuse	1	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6314	6159	5625	4903	
1.yes	14	11	25	14	
Value-----		R2DEMENS	R3DEMENS	R4DEMENS	R5DEMENS
.c:no prev IW		107	1723	2681	140
.d:DK		4		4	4
.r:Refuse		1	1	3	2
0.no		9280	7991	8294	10056
1.yes		40	51	68	72
Value-----	R6DEMENS	R7DEMENS	R8DEMENS	R9DEMENS	
.c:no prev IW	1214	509	38	1279	
.r:Refuse	2	1	1		
0.no	9309	9078	8313	7365	
1.yes	76	78	93	92	
Value-----		S2DEMENS	S3DEMENS	S4DEMENS	S5DEMENS
.c:no prev IW		107	1319	1980	134
.d:DK		4		3	3
.r:Refuse		1	1	3	2
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.no		6043	5042	5392	6794
1.yes		23	22	24	31
Value-----	S6DEMENS	S7DEMENS	S8DEMENS	S9DEMENS	
.c:no prev IW	913	389	37	903	
.r:Refuse	1	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6296	6140	5606	4874	
1.yes	32	30	44	43	
Value-----		R2MEMRYS	R3MEMRYS	R4MEMRYS	R5MEMRYS
.c:no prev IW		107	1723	2681	140
.d:DK		4		4	4
.r:Refuse		1	1	3	2
0.no		9273	7979	8289	10042
1.yes		47	63	73	86
Value-----	R6MEMRYS	R7MEMRYS	R8MEMRYS	R9MEMRYS	
.c:no prev IW	1214	509	38	1279	
.r:Refuse	2	1	1		
0.no	9297	9073	8295	7359	
1.yes	88	83	111	98	
Value-----		S2MEMRYS	S3MEMRYS	S4MEMRYS	S5MEMRYS
.c:no prev IW		107	1319	1980	134
.d:DK		4		3	3
.r:Refuse		1	1	3	2

.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
0.no		6039	5036	5390	6788
1.yes		27	28	26	37
Value-----	S6MEMRYS	S7MEMRYS	S8MEMRYS	S9MEMRYS	
.c:no prev IW	913	389	37	903	
.r:Refuse	1	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6289	6137	5592	4871	
1.yes	39	33	58	46	

## How Constructed

RwALZHS indicates if the respondent has reported the onset of Alzheimer's disease since the last interview to which they responded. RwDEMENS indicates if the respondent has reported the onset of dementia, organic brain syndrome, senility, or any other serious memory condition since the last interview to which they responded. RwMEMRYS indicates if the respondent has reported the onset of Alzheimer's disease, dementia, organic brain syndrome, senility, or any other serious memory condition since the last interview to which they responded. RwALZHS, RwDEMENS, and RwMEMRYS are set to yes, and coded as 1, only if the condition is new since last interview, that is, the respondent reported not having the condition at the last interview but says they have it now. Don't know, refused, or other missing values of RwALZHS, RwDEMENS, and RwMEMRYS are assigned special missing codes .d, .r, .m, respectively. A special missing value .c is used when there is no previous report of the condition so there cannot be a change. RwALZHS, RwDEMENS, and RwMEMRYS are set to plain missing (.) for respondents who did not respond to the current wave.

SwALZHS, SwDEMENS, and SwMEMRYS indicate if the respondent's spouse reported the onset of a memory-related condition since the last interview and are taken directly from the spouse's response to RwALZHS, RwDEMENS, and RwMEMRYS. In addition to the special missing codes used in RwALZHS, RwDEMENS, and RwMEMRYS, SwALZHS, SwDEMENS, and SwMEMRYS employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please see the section on "Doctor-diagnosed Conditions: Memory-related disease" earlier in this codebook for a description of related "ever had" variables.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA surveys Alzheimer's disease or dementia, organic brain syndrome, senility or any other serious memory impairment separately, so RwMEMRYS refers to whether the respondent reported either of these conditions.

## ELSA Variables Used

Wave 1 Core:

HEDIB01	has a doctor ever told you that you [have/have had] any
HEDIB02	has a doctor ever told you that you [have/have had] any
HEDIB03	has a doctor ever told you that you [have/have had] any
HEDIB04	has a doctor ever told you that you [have/have had] any
HEDIB05	has a doctor ever told you that you [have/have had] any
HEDIB06	has a doctor ever told you that you [have/have had] any
HEDIB07	has a doctor ever told you that you [have/have had] any
HEDIB08	has a doctor ever told you that you [have/have had] any
HEDIB09	has a doctor ever told you that you [have/have had] any
HEDIB10	has a doctor ever told you that you [have/have had] any

Wave 2 Core:

HEDIAD8	Whether confirms Alzheimers disease recorded in wave 1
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HEDIAD9 Whether confirms dementia recorded in wave 1  
HEDIB01 Diagnosed chronic condition newly reported at W2 (1st me  
HEDIB02 Diagnosed chronic condition newly reported at W2 (2nd me  
HEDIB03 Diagnosed chronic condition newly reported at W2 (3rd me  
HEDIB04 Diagnosed chronic condition newly reported at W2 (4th me  
Wave 3 Core:  
HEDBDAD whether confirms alzheimers disease diagnosis  
HEDBDDE whether confirms dementia diagnosis  
HEDIBAD (d) ever reported alzheimer's disease (diagnosed)  
HEDIBDE (d) ever reported dementia or memory impairment (diagnos  
Wave 4 Core:  
HEDBDAD whether confirms alzheimers disease diagnosis  
HEDBDDE whether confirms dementia diagnosis  
HEDIBAD chronic: alzheimers disease diagnosis newly reported  
HEDIBDE chronic: dementia diagnosis newly reported  
Wave 5 Core:  
HEDBDAD Whether confirms Alzheimers Disease diagnosis  
HEDBDDE Whether confirms dementia diagnosis  
HEDIBAD Chronic: Alzheimers Disease diagnosis newly reported  
HEDIBDE Chronic: dementia diagnosis newly reported  
Wave 6 Core:  
HEDBDAD whether confirms alzheimers disease diagnosis  
HEDBDDE whether confirms dementia diagnosis  
HEDIBAD chronic: alzheimers disease diagnosis newly reported  
HEDIBDE chronic: dementia diagnosis newly reported  
Wave 7 Core:  
HEDBDAD whether confirms alzheimers disease diagnosis  
HEDBDDE whether confirms dementia diagnosis  
HEDIBAD chronic: alzheimers disease diagnosis newly reported  
HEDIBDE chronic: dementia diagnosis newly reported  
Wave 8 Core:  
HEDBDAD whether confirms alzheimer's disease diagnosis  
HEDBDDE whether confirms dementia diagnosis  
HEDIBAD chronic: alzheimer's disease diagnosis newly reported  
HEDIBDE chronic: dementia diagnosis newly reported  
Wave 9 Core:  
HEDBDAD Whether confirms Alzheimer's disease diagnosis  
HEDBDDE Whether confirms dementia diagnosis  
HEDIBAD Chronic: Alzheimer's disease diagnosis newly reported  
HEDIBDE Chronic: dementia diagnosis newly reported

## **Section C: Insurance**

<b>Covered by Private Health Insurance</b>
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Wave	Variable	Label	Type
1	R1HIPRIV	r1hipriv:w1 R covered by private health insurance	Categ
2	R2HIPRIV	r2hipriv:w2 R covered by private health insurance	Categ
3	R3HIPRIV	r3hipriv:w3 R covered by private health insurance	Categ
4	R4HIPRIV	r4hipriv:w4 R covered by private health insurance	Categ
5	R5HIPRIV	r5hipriv:w5 R covered by private health insurance	Categ
6	R6HIPRIV	r6hipriv:w6 R covered by private health insurance	Categ
7	R7HIPRIV	r7hipriv:w7 R covered by private health insurance	Categ
8	R8HIPRIV	r8hipriv:w8 R covered by private health insurance	Categ
9	R9HIPRIV	r9hipriv:w9 R covered by private health insurance	Categ
1	S1HIPRIV	s1hipriv:w1 S covered by private health insurance	Categ
2	S2HIPRIV	s2hipriv:w2 S covered by private health insurance	Categ
3	S3HIPRIV	s3hipriv:w3 S covered by private health insurance	Categ
4	S4HIPRIV	s4hipriv:w4 S covered by private health insurance	Categ
5	S5HIPRIV	s5hipriv:w5 S covered by private health insurance	Categ
6	S6HIPRIV	s6hipriv:w6 S covered by private health insurance	Categ
7	S7HIPRIV	s7hipriv:w7 S covered by private health insurance	Categ
8	S8HIPRIV	s8hipriv:w8 S covered by private health insurance	Categ
9	S9HIPRIV	s9hipriv:w9 S covered by private health insurance	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HIPRIV	12081	0.15	0.36	0.00	1.00
R2HIPRIV	9427	0.15	0.36	0.00	1.00
R3HIPRIV	9753	0.16	0.37	0.00	1.00
R4HIPRIV	11029	0.15	0.36	0.00	1.00
R5HIPRIV	10259	0.14	0.34	0.00	1.00
R6HIPRIV	10582	0.12	0.33	0.00	1.00
R7HIPRIV	9655	0.11	0.32	0.00	1.00
R8HIPRIV	8433	0.11	0.31	0.00	1.00
R9HIPRIV	8732	0.12	0.32	0.00	1.00
S1HIPRIV	8056	0.17	0.38	0.00	1.00
S2HIPRIV	6173	0.17	0.38	0.00	1.00
S3HIPRIV	6379	0.19	0.39	0.00	1.00
S4HIPRIV	7392	0.17	0.38	0.00	1.00
S5HIPRIV	6955	0.15	0.36	0.00	1.00
S6HIPRIV	7232	0.14	0.35	0.00	1.00
S7HIPRIV	6555	0.13	0.33	0.00	1.00
S8HIPRIV	5681	0.11	0.32	0.00	1.00
S9HIPRIV	5817	0.13	0.34	0.00	1.00

### Categorical Variable Codes

Value-----	R1HIPRIV	R2HIPRIV	R3HIPRIV	R4HIPRIV	R5HIPRIV
.d:DK	10	4	9	11	11
.m:Missing	2		1		
.r:Refuse	6	1	3	10	4
0.no	10248	8014	8191	9338	8848
1.yes	1833	1413	1562	1691	1411

Value-----	R6HIPRIV	R7HIPRIV	R8HIPRIV	R9HIPRIV
.d:DK	10	8	9	2
.r:Refuse	9	3	3	2
0.no	9260	8555	7544	7696

1.yes	1322	1100	889	1036	
Value-----	S1HIPRIV	S2HIPRIV	S3HIPRIV	S4HIPRIV	S5HIPRIV
.d:DK	7	4	3	3	6
.m:Missing	2				
.r:Refuse	5	1	2	7	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	6678	5118	5192	6120	5883
1.yes	1378	1055	1187	1272	1072
Value-----	S6HIPRIV	S7HIPRIV	S8HIPRIV	S9HIPRIV	
.d:DK	6	3	5	2	
.r:Refuse	4	2	2	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6216	5723	5042	5040	
1.yes	1016	832	639	777	

## How Constructed

RwHIPRIV indicates whether or not the respondent is covered by private insurance. Residents in England are covered by the National Health Service (NHS) but some individuals also purchase private insurance. A value of 0 indicates the respondent does not have private insurance. A value of 1 indicates the respondent does have private insurance. Don't know, refused, or other missing responses of RwHIPRIV are assigned special missing codes .d, .r, .m, respectively. RwHIPRIV is set to plain missing (.) for respondents who did not respond to the current wave.

SwHIPRIV indicates whether the current wave's spouse is covered by private insurance, and is taken from the spouse's values to RwHIPRIV. In addition to the special missing codes used in RwHIPRIV, SwHIPRIV employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

The HRS does ask about private insurance plans but the RAND HRS does not include a binary indicator of whether the respondent is covered by private insurance. Instead, RWHENUM in the RAND HRS provides the number of private health insurance plans the respondent reports. The ELSA survey does not ask respondents the number of private health insurance plans he/she is covered by, so we cannot provide an exact corollary to RWHENUM in the RAND HRS.

## ELSA Variables Used

Wave 1 Core:	
WPPHI	are you covered by private health insurance, whether in
Wave 2 Core:	
WPPHI	Covered by private health insurance (in own name or thro
Wave 3 Core:	
WPPHI	covered by private health insurance (in own name or thro
Wave 4 Core:	
WPPHI	covered by private health insurance (in own name or thro
Wave 5 Core:	
WPPHI	Covered by private health insurance (in own name or thro
Wave 6 Core:	
WPPHI	covered by private health insurance (in own name or thro
Wave 7 Core:	
WPPHI	covered by private health insurance (in own name or thro
Wave 8 Core:	
WPPHI	whether covered by private health insurance (in own name

Wave 9 Core:

WPPHI

Whether covered by private health insurance (in own name

<b>Private Health Insurance: Source of Insurance</b>
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Wave	Variable	Label	Type
1	R1HPSRC	r1hpsrc:w1 R source of insurance	Categ
2	R2HPSRC	r2hpsrc:w2 R source of insurance	Categ
3	R3HPSRC	r3hpsrc:w3 R source of insurance	Categ
4	R4HPSRC	r4hpsrc:w4 R source of insurance	Categ
5	R5HPSRC	r5hpsrc:w5 R source of insurance	Categ
6	R6HPSRC	r6hpsrc:w6 R source of insurance	Categ
7	R7HPSRC	r7hpsrc:w7 R source of insurance	Categ
8	R8HPSRC	r8hpsrc:w8 R source of insurance	Categ
9	R9HPSRC	r9hpsrc:w9 R source of insurance	Categ
1	S1HPSRC	s1hpsrc:w1 S source of insurance	Categ
2	S2HPSRC	s2hpsrc:w2 S source of insurance	Categ
3	S3HPSRC	s3hpsrc:w3 S source of insurance	Categ
4	S4HPSRC	s4hpsrc:w4 S source of insurance	Categ
5	S5HPSRC	s5hpsrc:w5 S source of insurance	Categ
6	S6HPSRC	s6hpsrc:w6 S source of insurance	Categ
7	S7HPSRC	s7hpsrc:w7 S source of insurance	Categ
8	S8HPSRC	s8hpsrc:w8 S source of insurance	Categ
9	S9HPSRC	s9hpsrc:w9 S source of insurance	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HPSRC	12081	0.19	0.49	0.00	2.00
R2HPSRC	9427	0.19	0.49	0.00	2.00
R3HPSRC	9753	0.21	0.50	0.00	2.00
R4HPSRC	11029	0.19	0.49	0.00	2.00
R5HPSRC	10259	0.17	0.46	0.00	2.00
R6HPSRC	10582	0.16	0.44	0.00	2.00
R7HPSRC	9655	0.14	0.42	0.00	2.00
R8HPSRC	8433	0.13	0.40	0.00	2.00
R9HPSRC	8732	0.15	0.42	0.00	2.00
S1HPSRC	8056	0.23	0.54	0.00	2.00
S2HPSRC	6173	0.23	0.54	0.00	2.00
S3HPSRC	6379	0.25	0.56	0.00	2.00
S4HPSRC	7392	0.23	0.53	0.00	2.00
S5HPSRC	6955	0.20	0.51	0.00	2.00
S6HPSRC	7232	0.18	0.48	0.00	2.00
S7HPSRC	6555	0.16	0.46	0.00	2.00
S8HPSRC	5681	0.14	0.43	0.00	2.00
S9HPSRC	5817	0.17	0.46	0.00	2.00

### Categorical Variable Codes

Value-----	R1HPSRC	R2HPSRC	R3HPSRC	R4HPSRC	R5HPSRC
.d:DK	10	4	9	11	11
.m:Missing	2		1		
.r:Refuse	6	1	3	10	4
0.No private insurance	10248	8014	8191	9338	8848
1.Respondent	1317	1018	1117	1244	1047
2.Another family member	516	395	445	447	364

Value-----	R6HPSRC	R7HPSRC	R8HPSRC	R9HPSRC
.d:DK	10	8	9	2
.r:Refuse	9	3	3	2



0.No private insurance	9260	8555	7544	7696	
1.Respondent	995	825	696	799	
2.Another family member	327	275	193	237	
Value-----	S1HPSRC	S2HPSRC	S3HPSRC	S4HPSRC	S5HPSRC
.d:DK	7	4	3	3	6
.m:Missing	2				
.r:Refuse	5	1	2	7	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.No private insurance	6678	5118	5192	6120	5883
1.Respondent	922	703	787	865	734
2.Another family member	456	352	400	407	338
Value-----	S6HPSRC	S7HPSRC	S8HPSRC	S9HPSRC	
.d:DK	6	3	5	2	
.r:Refuse	4	2	2	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.No private insurance	6216	5723	5042	5040	
1.Respondent	716	584	469	572	
2.Another family member	300	248	170	205	

## How Constructed

RwHPSRC indicates the source of the respondent's private insurance. A value of 0 indicates that the respondent does not have private insurance. A value of 1 indicates that the respondent is covered by private insurance in his/her own name. A value of 2 indicates the respondent is covered by private insurance through another family member. Don't know, refused, or other missing responses of RwHPSRC are assigned special missing codes .d, .r, .m, respectively. RwHPSRC is set to plain missing (.) for respondents who did not respond to the current wave.

SwHPSRC indicates the source of the respondent's current wave's spouse's private insurance, and is taken from the spouse's values to RwHPSRC. In addition to the special missing codes used in RwHPSRC, SwHPSRC employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

The HRS does ask about the source of private insurance but in a different way from the ELSA survey. The HRS allows respondents to report multiple private insurance plans and then for each plan asks whether the plan was obtained through the respondent or through his/her spouse. The RAND HRS includes an indicator of the source of each specific private insurance plan the respondent reported. In the ELSA survey, respondents do not report multiple private insurance plans but are asked the source of the private insurance if they report having private insurance. Because of this difference RwHPSRC is the one indicator of source of private insurance that is included in the Harmonized ELSA.

## ELSA Variables Used

Wave 1 Core:	
WPPHI	are you covered by private health insurance, whether in
Wave 2 Core:	
WPPHI	Covered by private health insurance (in own name or thro
Wave 3 Core:	
WPPHI	covered by private health insurance (in own name or thro
Wave 4 Core:	
WPPHI	covered by private health insurance (in own name or thro
Wave 5 Core:	
WPPHI	Covered by private health insurance (in own name or thro

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Wave 6 Core:  
WPPHI covered by private health insurance (in own name or thro  
Wave 7 Core:  
WPPHI covered by private health insurance (in own name or thro  
Wave 8 Core:  
WPPHI whether covered by private health insurance (in own name  
Wave 9 Core:  
WPPHI Whether covered by private health insurance (in own name

### Covered by Long-Term Care Insurance

Wave	Variable	Label	Type
7	R7HILTC_E	r7hiltc_e:w7 R has long term care ins	Categ
8	R8HILTC_E	r8hiltc_e:w8 R has long term care ins	Categ
9	R9HILTC_E	r9hiltc_e:w9 R has long term care ins	Categ
7	S7HILTC_E	s7hiltc_e:w7 S has long term care ins	Categ
8	S8HILTC_E	s8hiltc_e:w8 S has long term care ins	Categ
9	S9HILTC_E	s9hiltc_e:w9 S has long term care ins	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7HILTC_E	8687	0.05	0.22	0.00	1.00
R8HILTC_E	7760	0.05	0.22	0.00	1.00
R9HILTC_E	7964	0.07	0.25	0.00	1.00
S7HILTC_E	5864	0.06	0.24	0.00	1.00
S8HILTC_E	5182	0.06	0.23	0.00	1.00
S9HILTC_E	5230	0.07	0.26	0.00	1.00

### Categorical Variable Codes

Value	R7HILTC_E	R8HILTC_E	R9HILTC_E
.d:DK	316	175	184
.m:Missing	292	261	272
.r:Refuse	66	44	35
.x:no difficulties	305	205	281
0.no	8235	7367	7434
1.yes	452	393	530

Value	S7HILTC_E	S8HILTC_E	S9HILTC_E
.d:DK	165	98	104
.m:Missing	182	175	187
.r:Refuse	47	30	20
.u:Unmar	2548	2255	2286
.v:SP NR	558	502	630
.x:no difficulties	302	203	279
0.no	5519	4893	4845
1.yes	345	289	385

### How Constructed

RwHILTC\_E indicates whether or not the respondent would expect to pay or does pay for care and support which can not be provided by family or friends using an insurance policy or private health insurance/health plan. Respondents who currently receive no care from a formal care provider are asked, "If you needed care and support which could not be provided by family or friends, how would your care be paid for." Respondents who currently receive care from a formal care provider are asked, "Thinking of your current and future care and support needs, how will your care be paid for." Responses to both questions are accounted for in RwHILTC\_E. A value of 0 indicates the respondent said that their care would be paid for by the local authority, NHS, charity/religious organization, benefits, their own income from work/pensions/interest on investments, their own savings, sale of their assets, relatives or friends, other, or none of these. A value of 1 indicates the respondent said that their care would be paid for by an insurance policy or private health insurance/health plan. A special missing .x is assigned if the respondent reports no difficulty with activities of daily living, instrumental activities of daily living, or other mobility activities and so these questions are skipped. Don't know, refused, or other missing responses of RwHILTC\_E are assigned special missing codes .d, .r, .m, respectively. RwHILTC\_E is set to plain missing (.) for respondents who did not respond to the current wave.

SwHILTC\_E indicates whether the current wave's spouse would expect to pay or does pay for care and support using an insurance policy or private health insurance/health plan, and is taken from the spouse's values to RwhILTC\_E. In addition to the special missing codes used in RwhILTC\_E, SwHILTC\_E employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

These questions are asked starting in Wave 7.

### Differences with the RAND HRS/Harmonized HRS

In the RAND HRS, RwhILTC is based on a direct question asking if the respondent has a long-term care insurance policy which specifically covers nursing home care for a year or more or any part of personal or medical care in your home. In the Harmonized ELSA, RwhILTC\_E is based on two questions asking how care would be paid for, separately for those who currently have difficulty but receive no help from formal care providers and for those who currently have difficulty and receive help from formal care providers. If the respondent reports that an insurance policy or private health insurance/health plan pay for care or would pay for care, then RwhILTC\_E is coded as 1. As a result of these differences, these variables are not strictly comparable and the Harmonized ELSA variable includes the "\_E" at the end of the variable name.

### ELSA Variables Used

#### Wave 7 Core:

EXPCCHI	health plan/insurance will pay for current and future ca
EXPCCIP	insurance policy will pay for current and future care (c
EXPFCHI	health plan/insurance would pay for care and support (no
EXPFCIP	insurance policy would pay for care and support (not cur
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties

#### Wave 8 Core:

EXPCCHI	how care paid for (currently receiving care): private he
EXPCCIP	how care paid for (currently receiving care): insurance
EXPFCHI	how care paid for (currently not receiving care): privat
EXPFCIP	how care paid for (currently not receiving care): insura
HEADL96	adl&iadl: difficulty with none of these
HEMOB96	mobility: difficulty with none of these

#### Wave 9 Core:

EXPCCHI	How care paid for (currently receiving care): private he
EXPCCIP	How care paid for (currently receiving care): insurance
EXPFCHI	How care paid for (currently not receiving care): privat
EXPFCIP	How care paid for (currently not receiving care): insura
HEADL96	ADL&IADL: difficulty with none of these
HEMOB96	Mobility: difficulty with none of these

## **Section D: Cognition**

<b>Cognition Testing Conditions</b>
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Wave	Variable	Label	Type
1	R1COGIMP	r1cogimp:w1 r whether factors impaired cognition tests	Categ
2	R2COGIMP	r2cogimp:w2 r whether factors impaired cognition tests	Categ
3	R3COGIMP	r3cogimp:w3 r whether factors impaired cognition tests	Categ
4	R4COGIMP	r4cogimp:w4 r whether factors impaired cognition tests	Categ
5	R5COGIMP	r5cogimp:w5 r whether factors impaired cognition tests	Categ
6	R6COGIMP	r6cogimp:w6 r whether factors impaired cognition tests	Categ
7	R7COGIMP	r7cogimp:w7 r whether factors impaired cognition tests	Categ
8	R8COGIMP	r8cogimp:w8 r whether factors impaired cognition tests	Categ
9	R9COGIMP	r9cogimp:w9 r whether factors impaired cognition tests	Categ
1	S1COGIMP	s1cogimp:w1 s whether factors impaired cognition tests	Categ
2	S2COGIMP	s2cogimp:w2 s whether factors impaired cognition tests	Categ
3	S3COGIMP	s3cogimp:w3 s whether factors impaired cognition tests	Categ
4	S4COGIMP	s4cogimp:w4 s whether factors impaired cognition tests	Categ
5	S5COGIMP	s5cogimp:w5 s whether factors impaired cognition tests	Categ
6	S6COGIMP	s6cogimp:w6 s whether factors impaired cognition tests	Categ
7	S7COGIMP	s7cogimp:w7 s whether factors impaired cognition tests	Categ
8	S8COGIMP	s8cogimp:w8 s whether factors impaired cognition tests	Categ
9	S9COGIMP	s9cogimp:w9 s whether factors impaired cognition tests	Categ
1	R1COGOTHP	r1cogothp:w1 r whether other people present during cog tests	Categ
2	R2COGOTHP	r2cogothp:w2 r whether other people present during cog tests	Categ
3	R3COGOTHP	r3cogothp:w3 r whether other people present during cog tests	Categ
4	R4COGOTHP	r4cogothp:w4 r whether other people present during cog tests	Categ
5	R5COGOTHP	r5cogothp:w5 r whether other people present during cog tests	Categ
6	R6COGOTHP	r6cogothp:w6 r whether other people present during cog tests	Categ
7	R7COGOTHP	r7cogothp:w7 r whether other people present during cog tests	Categ
8	R8COGOTHP	r8cogothp:w8 r whether other people present during cog tests	Categ
9	R9COGOTHP	r9cogothp:w9 r whether other people present during cog tests	Categ
1	S1COGOTHP	s1cogothp:w1 s whether other people present during cog tests	Categ
2	S2COGOTHP	s2cogothp:w2 s whether other people present during cog tests	Categ
3	S3COGOTHP	s3cogothp:w3 s whether other people present during cog tests	Categ
4	S4COGOTHP	s4cogothp:w4 s whether other people present during cog tests	Categ
5	S5COGOTHP	s5cogothp:w5 s whether other people present during cog tests	Categ
6	S6COGOTHP	s6cogothp:w6 s whether other people present during cog tests	Categ
7	S7COGOTHP	s7cogothp:w7 s whether other people present during cog tests	Categ
8	S8COGOTHP	s8cogothp:w8 s whether other people present during cog tests	Categ
9	S9COGOTHP	s9cogothp:w9 s whether other people present during cog tests	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1COGIMP	11757	0.14	0.34	0.00	1.00
R2COGIMP	9255	0.08	0.27	0.00	1.00
R3COGIMP	9485	0.09	0.29	0.00	1.00
R4COGIMP	10558	0.09	0.29	0.00	1.00
R5COGIMP	9680	0.09	0.29	0.00	1.00
R6COGIMP	9964	0.10	0.30	0.00	1.00
R7COGIMP	9046	0.07	0.26	0.00	1.00
R8COGIMP	7958	0.06	0.24	0.00	1.00
R9COGIMP	8176	0.06	0.24	0.00	1.00
S1COGIMP	7822	0.12	0.33	0.00	1.00
S2COGIMP	6044	0.07	0.25	0.00	1.00
S3COGIMP	6199	0.08	0.27	0.00	1.00

S4COGIMP	7032	0.08	0.27	0.00	1.00
S5COGIMP	6508	0.08	0.27	0.00	1.00
S6COGIMP	6731	0.09	0.28	0.00	1.00
S7COGIMP	6061	0.06	0.24	0.00	1.00
S8COGIMP	5293	0.06	0.23	0.00	1.00
S9COGIMP	5348	0.05	0.23	0.00	1.00
R1COGOTHP	11755	0.10	0.30	0.00	1.00
R2COGOTHP	9254	0.09	0.29	0.00	1.00
R3COGOTHP	9486	0.08	0.27	0.00	1.00
R4COGOTHP	10559	0.08	0.27	0.00	1.00
R5COGOTHP	9678	0.07	0.26	0.00	1.00
R6COGOTHP	9961	0.09	0.28	0.00	1.00
R7COGOTHP	9047	0.07	0.25	0.00	1.00
R8COGOTHP	7956	0.05	0.22	0.00	1.00
R9COGOTHP	8177	0.06	0.23	0.00	1.00
S1COGOTHP	7823	0.11	0.32	0.00	1.00
S2COGOTHP	6044	0.11	0.31	0.00	1.00
S3COGOTHP	6199	0.08	0.28	0.00	1.00
S4COGOTHP	7032	0.09	0.29	0.00	1.00
S5COGOTHP	6505	0.09	0.28	0.00	1.00
S6COGOTHP	6729	0.10	0.30	0.00	1.00
S7COGOTHP	6061	0.08	0.26	0.00	1.00
S8COGOTHP	5292	0.06	0.24	0.00	1.00
S9COGOTHP	5348	0.06	0.24	0.00	1.00

### Categorical Variable Codes

Value-----	R1COGIMP	R2COGIMP	R3COGIMP	R4COGIMP	R5COGIMP
.d:DK	8	14	2	2	38
.m:Missing	125	30	40		
.p:proxy	175	125	232	446	537
.r:Refuse	34	8	7	44	19
0.no	10141	8523	8598	9615	8794
1.yes	1616	732	887	943	886

Value-----	R6COGIMP	R7COGIMP	R8COGIMP	R9COGIMP
.d:DK	2	4	4	
.m:Missing	11		3	7
.p:proxy	614	597	463	545
.r:Refuse	10	19	17	8
0.no	8981	8379	7479	7683
1.yes	983	667	479	493

Value-----	S1COGIMP	S2COGIMP	S3COGIMP	S4COGIMP	S5COGIMP
.d:DK	5	10	1	2	26
.m:Missing	99	23	22		
.p:proxy	122	95	158	333	418
.r:Refuse	22	6	4	35	12
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	6882	5633	5720	6477	6006
1.yes	940	411	479	555	502

Value-----	S6COGIMP	S7COGIMP	S8COGIMP	S9COGIMP
.d:DK	2	2	3	
.m:Missing	6		3	6
.p:proxy	494	484	375	459
.r:Refuse	9	13	14	7
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	6158	5689	4984	5060
1.yes	573	372	309	288

Value-----	R1COGOTHP	R2COGOTHP	R3COGOTHP	R4COGOTHP	R5COGOTHP
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.d:DK	9	14	1		39
.m:Missing	125	30	39		
.p:proxy	175	125	232	446	537
.r:Refuse	35	9	8	45	20
0.no	10598	8412	8738	9747	8954
1.yes	1157	842	748	812	724
Value-----	R6COGOTHP	R7COGOTHP	R8COGOTHP	R9COGOTHP	
.d:DK	5	3	4		
.m:Missing	11		3	7	
.p:proxy	614	597	463	545	
.r:Refuse	10	19	19	7	
0.no	9114	8448	7548	7715	
1.yes	847	599	408	462	
Value-----	S1COGOTHP	S2COGOTHP	S3COGOTHP	S4COGOTHP	S5COGOTHP
.d:DK	4	10	1		28
.m:Missing	99	23	22		
.p:proxy	122	95	158	333	418
.r:Refuse	22	6	4	37	13
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	6929	5401	5673	6405	5952
1.yes	894	643	526	627	553
Value-----	S6COGOTHP	S7COGOTHP	S8COGOTHP	S9COGOTHP	
.d:DK	4	2	3		
.m:Missing	6		3	6	
.p:proxy	494	484	375	459	
.r:Refuse	9	13	15	7	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6066	5603	4980	5010	
1.yes	663	458	312	338	

## How Constructed

Cognition testing can be affected by the conditions of the test. ELSA provides two indicators of possible negative conditions during the cognition testing.

RwCOGIMP indicates whether the interviewer reported any factors which impaired the respondent's performance during the cognition tests. These factors could include: the respondent being blind or having poor eyesight, being deaf or having poor hearing, being too tired, illness or physical impairment, impaired concentration, being very nervous or anxious, having other mental impairment, an interruption or distraction, a noisy environment, problems with the testing computer, difficulty in understanding English, or any other factors. A code of 0 indicates the interviewer reported that no conditions impaired performance during the cognition tests. A code of 1 indicates that the interviewer reported at least one factor impairing performance during the cognition tests. Don't know, refused, or other missing responses of RwCOGIMP are assigned special missing codes .d, .r, .m, respectively. RwCOGIMP is set to special missing .p if the cognition questions were skipped because the interview was by proxy. RwCOGIMP is set to plain missing (.) for respondents who did not respond to the current wave.

SwCOGIMP indicates whether the interviewer reported any factors which impaired the respondent's current wave's spouse's performance during the cognition tests. The values are taken from the spouse's values to RwCOGIMP. In addition to the special missing codes used in RwCOGIMP, SwCOGIMP employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwCOGOTHP indicates whether the interviewer reported that there were other people in the room during the respondent's cognition tests. ELSA instructs interviewers that the cognition tests should be performed in private, i.e. only the interviewer and the respondent should be in the room at the time of the tests. A code of 0 indicates that the interviewer reported that there was no one else in the room during the cognition tests. A code of 1 indicates that the interviewer reported that 1 or more other people were in the room during the cognition tests. Don't know, refused, or other missing responses of RwCOGOTHP are assigned special missing codes .d, .r, .m, respectively. RwCOGOTHP is set to special missing .p if the



cognition questions were skipped because the interview was by proxy. RwcOGOTHP is set to plain missing (.) for respondents who did not respond to the current wave.

SwCOGOTHP indicates whether the interviewer reported that there were other people in the room during the respondent's current wave's spouse's cognition tests. The values are taken from the spouse's values to RwcOGOTHP. In addition to the special missing codes used in RwcOGOTHP, SwCOGOTHP employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

The RAND HRS and Harmonized HRS do not currently include indicators of the testing conditions during the HRS cognition tests.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
CFIMP	interviewer recording whether any factors impairing resp
CFWHO1	other person 1 in room during cognitive function tests (
CFWHO2	other person 2 in room during cognitive function tests (
CFWHO3	other person 3 in room during cognitive function tests (

### Wave 2 Core:

ASKPX1	Whether interviewed by proxy
CFIMP	Whether any factors impaired performance on CF tests
CFWHO1	Other person in room (1st mention)
CFWHO2	Other person in room (2nd mention)
CFWHO3	Other person in room (3rd mention)
CFWHO4	Other person in room (4th mention)

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
CFIMP	whether any factors impaired performance on cf tests
CFWHONON	no other person present in room

### Wave 4 Core:

ASKPX	whether respondent had an interview by proxy
CFIMP	whether any factors impaired performance on cf tests
CFWHONON	no other person present in room

### Wave 5 Core:

ASKPX	Whether respondent had an interview by proxy
CFIMP	Whether any factors impaired performance on CF tests
CFWHONON	No other person present in room

### Wave 6 Core:

ASKPX	whether respondent had an interview by proxy
CFIMP	whether any factors impaired performance on cf tests
CFWHONON	no other person present in room

### Wave 7 Core:

ASKPX	whether respondent had an interview by proxy
CFIMP	whether any factors impaired performance on cf tests
CFWHONON	no other person present in room

### Wave 8 Core:

ASKPX	computed: whether respondent had an interview by proxy
CFIMP	whether any factors impaired performance on cf tests
CFWHONON	people present in the room other than respondent and int

### Wave 9 Core:

ASKPX	Computed: whether respondent had an interview by proxy
CFIMP	Whether any factors impaired performance on CF tests
CFWHONON	People present in the room other than respondent and int

## Self-Reported Memory

Wave	Variable	Label	Type
1	R1SLFMEM	r1slfmem:w1 r Self-reported memory	Categ
2	R2SLFMEM	r2slfmem:w2 r Self-reported memory	Categ
3	R3SLFMEM	r3slfmem:w3 r Self-reported memory	Categ
4	R4SLFMEM	r4slfmem:w4 r Self-reported memory	Categ
7	R7SLFMEM	r7slfmem:w7 r Self-reported memory	Categ
8	R8SLFMEM	r8slfmem:w8 r Self-reported memory	Categ
9	R9SLFMEM	r9slfmem:w9 r Self-reported memory	Categ
1	S1SLFMEM	s1slfmem:w1 s Self-reported memory	Categ
2	S2SLFMEM	s2slfmem:w2 s Self-reported memory	Categ
3	S3SLFMEM	s3slfmem:w3 s Self-reported memory	Categ
4	S4SLFMEM	s4slfmem:w4 s Self-reported memory	Categ
7	S7SLFMEM	s7slfmem:w7 s Self-reported memory	Categ
8	S8SLFMEM	s8slfmem:w8 s Self-reported memory	Categ
9	S9SLFMEM	s9slfmem:w9 s Self-reported memory	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SLFMEM	11770	3.06	0.97	1.00	5.00
R2SLFMEM	9246	3.16	0.92	1.00	5.00
R3SLFMEM	9475	3.22	0.93	1.00	5.00
R4SLFMEM	10547	3.17	0.94	1.00	5.00
R7SLFMEM	9008	3.18	0.92	1.00	5.00
R8SLFMEM	7939	3.20	0.92	1.00	5.00
R9SLFMEM	8160	3.13	0.93	1.00	5.00
S1SLFMEM	7825	3.05	0.96	1.00	5.00
S2SLFMEM	6037	3.14	0.92	1.00	5.00
S3SLFMEM	6191	3.19	0.92	1.00	5.00
S4SLFMEM	7020	3.14	0.92	1.00	5.00
S7SLFMEM	6029	3.12	0.92	1.00	5.00
S8SLFMEM	5278	3.16	0.92	1.00	5.00
S9SLFMEM	5337	3.07	0.92	1.00	5.00

### Categorical Variable Codes

Value-----	R1SLFMEM	R2SLFMEM	R3SLFMEM	R4SLFMEM
.d:DK	27	23	20	13
.m:Missing	88	20	31	
.p:proxy	175	123	232	446
.r:Refuse	39	20	8	44
1.Excellent	635	315	301	382
2.Very Good	2557	1735	1622	1959
3.Good	4807	3966	4015	4463
4.Fair	3010	2596	2798	2966
5.Poor	761	634	739	777

Value-----	R7SLFMEM	R8SLFMEM	R9SLFMEM
.d:DK	19	9	8
.m:Missing		3	3
.p:proxy	597	463	545
.r:Refuse	42	31	20
1.Excellent	321	220	295
2.Very Good	1564	1404	1613
3.Good	4000	3478	3585
4.Fair	2452	2214	2087

Value-----	S1SLFMEM	S2SLFMEM	S3SLFMEM	S4SLFMEM
5.Poor		671	623	580
.d:DK	18	15	10	12
.m:Missing	75	16	18	
.p:proxy	122	93	158	333
.r:Refuse	30	17	7	37
.u:Unmar	3561	2671	2706	2932
.v:SP NR	468	583	676	716
1.Excellent	409	214	204	246
2.Very Good	1712	1166	1083	1345
3.Good	3259	2630	2667	3052
4.Fair	1970	1631	1795	1907
5.Poor	475	396	442	470

Value-----	S7SLFMEM	S8SLFMEM	S9SLFMEM
.d:DK	14	6	5
.m:Missing		3	3
.p:proxy	484	375	459
.r:Refuse	33	26	16
.u:Unmar	2548	2255	2286
.v:SP NR	558	502	630
1.Excellent	233	157	196
2.Very Good	1129	1011	1155
3.Good	2725	2345	2372
4.Fair	1543	1383	1289
5.Poor	399	382	325

## How Constructed

RwSLFMEM provides the score of the respondent's self-reported memory. It is scored such that 1 stands for excellent memory and 5 stands for poor memory. Don't know, refused, or other missing responses of RwSLFMEM are assigned special missing codes .d, .r, .m, respectively. RwSLFMEM is assigned special missing .p if the cognition questions were skipped because the interview was by proxy. RwSLFMEM is set to blank missing (.) if the respondent did not participate in the current wave.

SwSLFMEM is the current wave's spouse's self-reported memory score, and it is taken from the spouse's values to RwSLFMEM. In addition to the special missing codes used in RwSLFMEM, SwSLFMEM employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

This question is only asked in Waves 1 through 4, and Wave 7 and onward.

## Differences with the RAND HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1 whether interviewed by proxy  
CFMETM how would you rate your memory at the present time. woul

### Wave 2 Core:

ASKPX1 Whether interviewed by proxy  
CFMETM Self-rated memory

### Wave 3 Core:

ASKPX whether respondent had a proxy interview  
CFMETM self-rated memory

### Wave 4 Core:

ASKPX whether respondent had an interview by proxy  
CFMETM self-rated memory

### Wave 7 Core:

ASKPX	whether respondent had an interview by proxy
CFMETM	self-rated memory
Wave 8 Core:	
ASKPX	computed: whether respondent had an interview by proxy
CFMETM	self-rated memory
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy
CFMETM	Self-rated memory

<b>Immediate Word Recall</b>
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Wave	Variable	Label	Type
1	R1READRC	r1readrc:w1 r word recall list read by	Categ
2	R2READRC	r2readrc:w2 r word recall list read by	Categ
3	R3READRC	r3readrc:w3 r word recall list read by	Categ
4	R4READRC	r4readrc:w4 r word recall list read by	Categ
5	R5READRC	r5readrc:w5 r word recall list read by	Categ
6	R6READRC	r6readrc:w6 r word recall list read by	Categ
7	R7READRC	r7readrc:w7 r word recall list read by	Categ
8	R8READRC	r8readrc:w8 r word recall list read by	Categ
9	R9READRC	r9readrc:w9 r word recall list read by	Categ
1	S1READRC	s1readrc:w1 s word recall list read by	Categ
2	S2READRC	s2readrc:w2 s word recall list read by	Categ
3	S3READRC	s3readrc:w3 s word recall list read by	Categ
4	S4READRC	s4readrc:w4 s word recall list read by	Categ
5	S5READRC	s5readrc:w5 s word recall list read by	Categ
6	S6READRC	s6readrc:w6 s word recall list read by	Categ
7	S7READRC	s7readrc:w7 s word recall list read by	Categ
8	S8READRC	s8readrc:w8 s word recall list read by	Categ
9	S9READRC	s9readrc:w9 s word recall list read by	Categ
1	R1IMRC	r1imrc:w1 r immediate word recall	Cont
2	R2IMRC	r2imrc:w2 r immediate word recall	Cont
3	R3IMRC	r3imrc:w3 r immediate word recall	Cont
4	R4IMRC	r4imrc:w4 r immediate word recall	Cont
5	R5IMRC	r5imrc:w5 r immediate word recall	Cont
6	R6IMRC	r6imrc:w6 r immediate word recall	Cont
7	R7IMRC	r7imrc:w7 r immediate word recall	Cont
8	R8IMRC	r8imrc:w8 r immediate word recall	Cont
9	R9IMRC	r9imrc:w9 r immediate word recall	Cont
1	S1IMRC	s1imrc:w1 s immediate word recall	Cont
2	S2IMRC	s2imrc:w2 s immediate word recall	Cont
3	S3IMRC	s3imrc:w3 s immediate word recall	Cont
4	S4IMRC	s4imrc:w4 s immediate word recall	Cont
5	S5IMRC	s5imrc:w5 s immediate word recall	Cont
6	S6IMRC	s6imrc:w6 s immediate word recall	Cont
7	S7IMRC	s7imrc:w7 s immediate word recall	Cont
8	S8IMRC	s8imrc:w8 s immediate word recall	Cont
9	S9IMRC	s9imrc:w9 s immediate word recall	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1READRC	11749	1.19	0.39	1.00	2.00
R2READRC	9244	1.34	0.47	1.00	2.00
R3READRC	9481	1.15	0.35	1.00	2.00
R4READRC	10545	1.16	0.37	1.00	2.00
R5READRC	9665	1.23	0.42	1.00	2.00
R6READRC	9901	1.21	0.41	1.00	2.00
R7READRC	9000	1.22	0.42	1.00	2.00
R8READRC	7921	1.24	0.43	1.00	2.00
R9READRC	8137	1.29	0.46	1.00	2.00
S1READRC	7816	1.16	0.37	1.00	2.00
S2READRC	6034	1.31	0.46	1.00	2.00
S3READRC	6192	1.12	0.32	1.00	2.00

S4READRC	7024	1.14	0.34	1.00	2.00
S5READRC	6496	1.19	0.39	1.00	2.00
S6READRC	6687	1.19	0.39	1.00	2.00
S7READRC	6026	1.20	0.40	1.00	2.00
S8READRC	5268	1.22	0.42	1.00	2.00
S9READRC	5325	1.27	0.45	1.00	2.00
R1IMRC	11715	5.46	1.78	0.00	10.00
R2IMRC	9239	5.66	1.81	0.00	10.00
R3IMRC	9480	5.78	1.83	0.00	10.00
R4IMRC	10544	5.84	1.80	0.00	10.00
R5IMRC	9690	5.85	1.83	0.00	10.00
R6IMRC	9972	5.92	1.85	0.00	10.00
R7IMRC	9040	5.93	1.87	0.00	10.00
R8IMRC	7921	6.00	1.82	0.00	10.00
R9IMRC	8136	6.03	1.77	0.00	10.00
S1IMRC	7796	5.63	1.72	0.00	10.00
S2IMRC	6031	5.81	1.74	0.00	10.00
S3IMRC	6199	5.98	1.75	0.00	10.00
S4IMRC	7023	6.00	1.72	0.00	10.00
S5IMRC	6513	6.00	1.76	0.00	10.00
S6IMRC	6740	6.07	1.77	0.00	10.00
S7IMRC	6054	6.09	1.81	0.00	10.00
S8IMRC	5268	6.13	1.78	0.00	10.00
S9IMRC	4555	6.10	1.74	0.00	10.00

## Categorical Variable Codes

Value-----	R1READRC	R2READRC	R3READRC	R4READRC	R5READRC
.d:DK	10	11			
.m:Missing	113	24	38		
.p:proxy	175	125	232	446	537
.r:Refuse	52	28	15	59	72
1.Computer	9543	6125	8105	8812	7470
2.Interviewer	2206	3119	1376	1733	2195

Value-----	R6READRC	R7READRC	R8READRC	R9READRC
.m:Missing	10		3	5
.p:proxy	614	597	463	545
.r:Refuse	76	69	58	49
1.Computer	7805	7000	6002	5741
2.Interviewer	2096	2000	1919	2396

Value-----	S1READRC	S2READRC	S3READRC	S4READRC	S5READRC
.d:DK	5	8			
.m:Missing	91	18	22		
.p:proxy	122	95	158	333	418
.r:Refuse	36	23	12	45	50
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.Computer	6528	4164	5452	6055	5240
2.Interviewer	1288	1870	740	969	1256

Value-----	S6READRC	S7READRC	S8READRC	S9READRC
.m:Missing	6		3	5
.p:proxy	494	484	375	459
.r:Refuse	55	50	42	31
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.Computer	5449	4815	4101	3862
2.Interviewer	1238	1211	1167	1463

## How Constructed

ELSA included a word recall list of 10 words which were read to the respondent and then the respondent was asked to recall them immediately and again later in the survey. Respondents were assigned to one of four non-overlapping lists based on random selection. In most cases, ELSA used a computer to read the list of words to the respondent. The computer spoke aloud the word list, reading approximately one word every two seconds. In the case that the respondent could not hear an initial test of the computer voice, then the interviewer was asked to read the word list themselves out loud to the respondent. The interviewer was instructed to read the word list at a slow steady rate, approximately one word every 2 seconds.

RwREADRC indicates whether the respondent was read the word recall list by the computer or the interviewer. A code of 1 indicates that the computer spoke aloud the word list. A code of 2 indicates that the interviewer read the word list aloud. Don't know, refused, or other missing responses of RwREADRC are assigned special missing codes .d, .r, .m, respectively. RwREADRC is set to special missing .p if the cognition questions were skipped because the interview was by proxy. RwREADRC is set to plain missing (.) for respondents who did not respond to the current wave.

SwREADRC indicates whether the current wave's spouse was read the word recall list by the computer or the interviewer, and it is taken from the spouse's values to RwREADRC. In addition to the special missing codes used in RwREADRC, SwREADRC employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwIMRC is the cognition measure for immediate word recall. RwIMRC counts how many words the respondent can recall correctly from a 10 word list. Respondents were given up to 2 minutes to recall words. Don't know, refused, or other missing responses of RwIMRC are assigned special missing codes .d, .r, .m, respectively. RwIMRC is set to special missing .p if the cognition questions were skipped because the interview was by proxy. RwIMRC is set to plain missing (.) for respondents who did not respond to the current wave.

SwIMRC is the current wave's spouse's immediate word recall score, and it is taken from the spouse's values to RwIMRC. In addition to the special missing codes used in RwIMRC, SwIMRC employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

In HRS, starting in Wave 3, the word list was randomly assigned which is similar to ELSA.

The word list in ELSA is different from HRS.

The speed of reading the word list was not recorded for ELSA as a computer was generally used to read the words.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
CFLISEN	now please tell me the words that you can recall. enter
CFTEST	word list read by computer or interviewer?

### Wave 2 Core:

ASKPX1	Whether interviewed by proxy
CFLISEN	Number of words recalled immediately
CFTEST	Whether word list read by computer or interviewer

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
CFLISEN	number of words recalled immediately

CFTEST	whether word list read by computer or interviewer
Wave 4 Core:	
ASKPX	whether respondent had an interview by proxy
CFLISEN	number of words recalled immediately
CFTEST	whether word list read by computer or interviewer
Wave 5 Core:	
ASKPX	Whether respondent had an interview by proxy
CFLISEN	Number of words recalled immediately
CFTEST	Whether word list read by computer or interviewer
Wave 6 Core:	
ASKPX	whether respondent had an interview by proxy
CFLISEN	number of words recalled immediately
CFTEST	whether word list read by computer or interviewer
Wave 7 Core:	
ASKPX	whether respondent had an interview by proxy
CFLISEN	number of words recalled immediately
CFTEST	whether word list read by computer or interviewer
Wave 8 Core:	
ASKPX	computed: whether respondent had an interview by proxy
CFLISEN	number of words recalled immediately
CFTEST	whether word list read by computer or interviewer
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy
CFLISEN	Number of words recalled immediately
CFTEST	Whether word list read by computer or interviewer



<b>Delayed Word Recall</b>
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Wave	Variable	Label	Type
1	R1DLRC	r1dlrc:w1 r delayed word recall	Cont
2	R2DLRC	r2dlrc:w2 r delayed word recall	Cont
3	R3DLRC	r3dlrc:w3 r delayed word recall	Cont
4	R4DLRC	r4dlrc:w4 r delayed word recall	Cont
5	R5DLRC	r5dlrc:w5 r delayed word recall	Cont
6	R6DLRC	r6dlrc:w6 r delayed word recall	Cont
7	R7DLRC	r7dlrc:w7 r delayed word recall	Cont
8	R8DLRC	r8dlrc:w8 r delayed word recall	Cont
9	R9DLRC	r9dlrc:w9 r delayed word recall	Cont
1	S1DLRC	s1dlrc:w1 s delayed word recall	Cont
2	S2DLRC	s2dlrc:w2 s delayed word recall	Cont
3	S3DLRC	s3dlrc:w3 s delayed word recall	Cont
4	S4DLRC	s4dlrc:w4 s delayed word recall	Cont
5	S5DLRC	s5dlrc:w5 s delayed word recall	Cont
6	S6DLRC	s6dlrc:w6 s delayed word recall	Cont
7	S7DLRC	s7dlrc:w7 s delayed word recall	Cont
8	S8DLRC	s8dlrc:w8 s delayed word recall	Cont
9	S9DLRC	s9dlrc:w9 s delayed word recall	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DLRC	11701	4.01	2.11	0.00	10.00
R2DLRC	9249	4.28	2.11	0.00	10.00
R3DLRC	9487	4.53	2.15	0.00	10.00
R4DLRC	10571	4.57	2.13	0.00	10.00
R5DLRC	9689	4.59	2.16	0.00	10.00
R6DLRC	9972	4.77	2.11	0.00	10.00
R7DLRC	9058	4.60	2.18	0.00	10.00
R8DLRC	7973	4.62	2.26	0.00	10.00
R9DLRC	8184	4.67	2.15	0.00	10.00
S1DLRC	7788	4.20	2.06	0.00	10.00
S2DLRC	6042	4.47	2.03	0.00	10.00
S3DLRC	6201	4.75	2.05	0.00	10.00
S4DLRC	7043	4.74	2.05	0.00	10.00
S5DLRC	6513	4.79	2.06	0.00	10.00
S6DLRC	6739	4.96	2.01	0.00	10.00
S7DLRC	6070	4.79	2.11	0.00	10.00
S8DLRC	5308	4.80	2.21	0.00	10.00
S9DLRC	4578	4.76	2.10	0.00	10.00

### How Constructed

RwDLRC is the cognition measure for delayed word recall. RwDLRC counts how many words the respondent can recall correctly from a 10 word list after a delay spent answering other survey questions. Respondents were assigned to one of four non-overlapping lists based on random selection. Don't know, refused, or other missing responses of RwDLRC are assigned special missing codes .d, .r, .m, respectively. RwDLRC is set to special missing .p if the cognition questions were skipped because the interview was by proxy. RwDLRC is set to plain missing (.) for respondents who did not respond to the current wave.

SwDLRC is the current wave's spouse's delayed word recall score, and is taken from the spouse's values to RwDLRC. In addition to the special missing codes used in RwDLRC, SwDLRC employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the

current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

In HRS, starting in Wave 3, the word list was randomly assigned which is similar to ELSA.

The word list in ELSA is different from HRS.

The speed of reading the word list was not recorded for ELSA.

## ELSA Variables Used

Wave 1 Core:

ASKPX1            whether interviewed by proxy  
CFLISD            record number of words correctly remembered after delay

Wave 2 Core:

ASKPX1            Whether interviewed by proxy  
CFLISD            Number of words recalled after delay

Wave 3 Core:

ASKPX            whether respondent had a proxy interview  
CFLISD            number of words recalled after delay

Wave 4 Core:

ASKPX            whether respondent had an interview by proxy  
CFLISD            number of words recalled after delay

Wave 5 Core:

ASKPX            Whether respondent had an interview by proxy  
CFLISD            Number of words recalled after delay

Wave 6 Core:

ASKPX            whether respondent had an interview by proxy  
CFLISD            number of words recalled after delay

Wave 7 Core:

ASKPX            whether respondent had an interview by proxy  
CFLISD            number of words recalled after delay

Wave 8 Core:

ASKPX            computed: whether respondent had an interview by proxy  
CFLISD            number of words recalled after delay

Wave 9 Core:

ASKPX            Computed: whether respondent had an interview by proxy  
CFLISD            Number of words recalled after delay

<b>Total Recall Summary Score</b>
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Wave	Variable	Label	Type
1	R1TR20	r1tr20:w1 r recall summary score	Cont
2	R2TR20	r2tr20:w2 r recall summary score	Cont
3	R3TR20	r3tr20:w3 r recall summary score	Cont
4	R4TR20	r4tr20:w4 r recall summary score	Cont
5	R5TR20	r5tr20:w5 r recall summary score	Cont
6	R6TR20	r6tr20:w6 r recall summary score	Cont
7	R7TR20	r7tr20:w7 r recall summary score	Cont
8	R8TR20	r8tr20:w8 r recall summary score	Cont
9	R9TR20	r9tr20:w9 r recall summary score	Cont
1	S1TR20	s1tr20:w1 s recall summary score	Cont
2	S2TR20	s2tr20:w2 s recall summary score	Cont
3	S3TR20	s3tr20:w3 s recall summary score	Cont
4	S4TR20	s4tr20:w4 s recall summary score	Cont
5	S5TR20	s5tr20:w5 s recall summary score	Cont
6	S6TR20	s6tr20:w6 s recall summary score	Cont
7	S7TR20	s7tr20:w7 s recall summary score	Cont
8	S8TR20	s8tr20:w8 s recall summary score	Cont
9	S9TR20	s9tr20:w9 s recall summary score	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1TR20	11701	9.47	3.59	0.00	20.00
R2TR20	9234	9.95	3.62	0.00	20.00
R3TR20	9478	10.32	3.70	0.00	20.00
R4TR20	10544	10.41	3.66	0.00	20.00
R5TR20	9688	10.44	3.73	0.00	20.00
R6TR20	9971	10.69	3.72	0.00	20.00
R7TR20	9040	10.54	3.78	0.00	20.00
R8TR20	7921	10.65	3.79	0.00	20.00
R9TR20	8135	10.72	3.65	0.00	20.00
S1TR20	7788	9.83	3.48	0.00	20.00
S2TR20	6030	10.29	3.46	0.00	20.00
S3TR20	6199	10.73	3.51	0.00	20.00
S4TR20	7023	10.76	3.49	0.00	20.00
S5TR20	6513	10.79	3.56	0.00	20.00
S6TR20	6739	11.03	3.53	0.00	20.00
S7TR20	6054	10.89	3.65	0.00	20.00
S8TR20	5268	10.96	3.69	0.00	20.00
S9TR20	4555	10.88	3.58	0.00	20.00

### How Constructed

RwTR20 is the summary score for total word recall. RwTR20 sums the immediate and delayed word recall scores. It is calculated as RwIMRC (range 0-10) + RwDLRC (range 0-10). It is only calculated as long as RwIMRC and RwDLRC are not missing. RwTR20 is assigned special missing .d, .r, and .m if RwIMRC or RwDLRC are assigned the corresponding special missing code. RwTR20 is assigned special missing .p if the cognition questions were skipped because the interview was by proxy. RwTR20 is set to blank missing (.) if the respondent did not participate in the current wave.

SwTR20 is the current wave's spouse's total word recall score. In addition to the special missing codes employed by RwTR20, SwTR20 employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing

value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1 whether interviewed by proxy  
 CFLISD record number of words correctly remembered after delay  
 CFLISEN now please tell me the words that you can recall. enter

### Wave 2 Core:

ASKPX1 Whether interviewed by proxy  
 CFLISD Number of words recalled after delay  
 CFLISEN Number of words recalled immediately

### Wave 3 Core:

ASKPX whether respondent had a proxy interview  
 CFLISD number of words recalled after delay  
 CFLISEN number of words recalled immediately

### Wave 4 Core:

ASKPX whether respondent had an interview by proxy  
 CFLISD number of words recalled after delay  
 CFLISEN number of words recalled immediately

### Wave 5 Core:

ASKPX Whether respondent had an interview by proxy  
 CFLISD Number of words recalled after delay  
 CFLISEN Number of words recalled immediately

### Wave 6 Core:

ASKPX whether respondent had an interview by proxy  
 CFLISD number of words recalled after delay  
 CFLISEN number of words recalled immediately

### Wave 7 Core:

ASKPX whether respondent had an interview by proxy  
 CFLISD number of words recalled after delay  
 CFLISEN number of words recalled immediately

### Wave 8 Core:

ASKPX computed: whether respondent had an interview by proxy  
 CFLISD number of words recalled after delay  
 CFLISEN number of words recalled immediately

### Wave 9 Core:

ASKPX Computed: whether respondent had an interview by proxy  
 CFLISD Number of words recalled after delay  
 CFLISEN Number of words recalled immediately

<b>Date Naming</b>
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Wave	Variable	Label	Type
1	R1MO	r1mo:w1 r cognition date naming-month	Categ
2	R2MO	r2mo:w2 r cognition date naming-month	Categ
3	R3MO	r3mo:w3 r cognition date naming-month	Categ
4	R4MO	r4mo:w4 r cognition date naming-month	Categ
5	R5MO	r5mo:w5 r cognition date naming-month	Categ
6	R6MO	r6mo:w6 r cognition date naming-month	Categ
7	R7MO	r7mo:w7 r cognition date naming-month	Categ
8	R8MO	r8mo:w8 r cognition date naming-month	Categ
9	R9MO	r9mo:w9 r cognition date naming-month	Categ
1	S1MO	s1mo:w1 s cognition date naming-month	Categ
2	S2MO	s2mo:w2 s cognition date naming-month	Categ
3	S3MO	s3mo:w3 s cognition date naming-month	Categ
4	S4MO	s4mo:w4 s cognition date naming-month	Categ
5	S5MO	s5mo:w5 s cognition date naming-month	Categ
6	S6MO	s6mo:w6 s cognition date naming-month	Categ
7	S7MO	s7mo:w7 s cognition date naming-month	Categ
8	S8MO	s8mo:w8 s cognition date naming-month	Categ
9	S9MO	s9mo:w9 s cognition date naming-month	Categ
1	R1DY	r1dy:w1 r cognition date naming-day of month	Categ
2	R2DY	r2dy:w2 r cognition date naming-day of month	Categ
3	R3DY	r3dy:w3 r cognition date naming-day of month	Categ
4	R4DY	r4dy:w4 r cognition date naming-day of month	Categ
5	R5DY	r5dy:w5 r cognition date naming-day of month	Categ
6	R6DY	r6dy:w6 r cognition date naming-day of month	Categ
7	R7DY	r7dy:w7 r cognition date naming-day of month	Categ
8	R8DY	r8dy:w8 r cognition date naming-day of month	Categ
9	R9DY	r9dy:w9 r cognition date naming-day of month	Categ
1	S1DY	s1dy:w1 s cognition date naming-day of month	Categ
2	S2DY	s2dy:w2 s cognition date naming-day of month	Categ
3	S3DY	s3dy:w3 s cognition date naming-day of month	Categ
4	S4DY	s4dy:w4 s cognition date naming-day of month	Categ
5	S5DY	s5dy:w5 s cognition date naming-day of month	Categ
6	S6DY	s6dy:w6 s cognition date naming-day of month	Categ
7	S7DY	s7dy:w7 s cognition date naming-day of month	Categ
8	S8DY	s8dy:w8 s cognition date naming-day of month	Categ
9	S9DY	s9dy:w9 s cognition date naming-day of month	Categ
1	R1YR	r1yr:w1 r cognition date naming-year	Categ
2	R2YR	r2yr:w2 r cognition date naming-year	Categ
3	R3YR	r3yr:w3 r cognition date naming-year	Categ
4	R4YR	r4yr:w4 r cognition date naming-year	Categ
5	R5YR	r5yr:w5 r cognition date naming-year	Categ
6	R6YR	r6yr:w6 r cognition date naming-year	Categ
7	R7YR	r7yr:w7 r cognition date naming-year	Categ
8	R8YR	r8yr:w8 r cognition date naming-year	Categ
8	R8YR	r8yr:w8 r cognition date naming-year	Categ
9	R9YR	r9yr:w9 r cognition date naming-year	Categ
1	S1YR	s1yr:w1 s cognition date naming-year	Categ
2	S2YR	s2yr:w2 s cognition date naming-year	Categ
3	S3YR	s3yr:w3 s cognition date naming-year	Categ
4	S4YR	s4yr:w4 s cognition date naming-year	Categ
5	S5YR	s5yr:w5 s cognition date naming-year	Categ
6	S6YR	s6yr:w6 s cognition date naming-year	Categ

7	S7YR	s7yr:w7	s	cognition	date	naming-year		Categ
8	S8YR	s8yr:w8	s	cognition	date	naming-year		Categ
9	S9YR	s9yr:w9	s	cognition	date	naming-year		Categ
1	R1DW	r1dw:w1	r	cognition	date	naming-day of week		Categ
2	R2DW	r2dw:w2	r	cognition	date	naming-day of week		Categ
3	R3DW	r3dw:w3	r	cognition	date	naming-day of week		Categ
4	R4DW	r4dw:w4	r	cognition	date	naming-day of week		Categ
5	R5DW	r5dw:w5	r	cognition	date	naming-day of week		Categ
6	R6DW	r6dw:w6	r	cognition	date	naming-day of week		Categ
7	R7DW	r7dw:w7	r	cognition	date	naming-day of week		Categ
8	R8DW	r8dw:w8	r	cognition	date	naming-day of week		Categ
9	R9DW	r9dw:w9	r	cognition	date	naming-day of week		Categ
1	S1DW	s1dw:w1	s	cognition	date	naming-day of week		Categ
2	S2DW	s2dw:w2	s	cognition	date	naming-day of week		Categ
3	S3DW	s3dw:w3	s	cognition	date	naming-day of week		Categ
4	S4DW	s4dw:w4	s	cognition	date	naming-day of week		Categ
5	S5DW	s5dw:w5	s	cognition	date	naming-day of week		Categ
6	S6DW	s6dw:w6	s	cognition	date	naming-day of week		Categ
7	S7DW	s7dw:w7	s	cognition	date	naming-day of week		Categ
8	S8DW	s8dw:w8	s	cognition	date	naming-day of week		Categ
9	S9DW	s9dw:w9	s	cognition	date	naming-day of week		Categ
1	R1ORIENT	r1orient:w1	r	cognition	orient	(summary date naming)		Cont
2	R2ORIENT	r2orient:w2	r	cognition	orient	(summary date naming)		Cont
3	R3ORIENT	r3orient:w3	r	cognition	orient	(summary date naming)		Cont
4	R4ORIENT	r4orient:w4	r	cognition	orient	(summary date naming)		Cont
5	R5ORIENT	r5orient:w5	r	cognition	orient	(summary date naming)		Cont
6	R6ORIENT	r6orient:w6	r	cognition	orient	(summary date naming)		Cont
7	R7ORIENT	r7orient:w7	r	cognition	orient	(summary date naming)		Cont
8	R8ORIENT	r8orient:w8	r	cognition	orient	(summary date naming)		Cont
9	R9ORIENT	r9orient:w9	r	cognition	orient	(summary date naming)		Cont
1	S1ORIENT	s1orient:w1	s	cognition	orient	(summary date naming)		Cont
2	S2ORIENT	s2orient:w2	s	cognition	orient	(summary date naming)		Cont
3	S3ORIENT	s3orient:w3	s	cognition	orient	(summary date naming)		Cont
4	S4ORIENT	s4orient:w4	s	cognition	orient	(summary date naming)		Cont
5	S5ORIENT	s5orient:w5	s	cognition	orient	(summary date naming)		Cont
6	S6ORIENT	s6orient:w6	s	cognition	orient	(summary date naming)		Cont
7	S7ORIENT	s7orient:w7	s	cognition	orient	(summary date naming)		Cont
8	S8ORIENT	s8orient:w8	s	cognition	orient	(summary date naming)		Cont
9	S9ORIENT	s9orient:w9	s	cognition	orient	(summary date naming)		Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MO	11770	0.97	0.16	0.00	1.00
R2MO	9254	0.98	0.15	0.00	1.00
R3MO	9482	0.97	0.16	0.00	1.00
R4MO	10552	0.98	0.15	0.00	1.00
R5MO	9671	0.98	0.14	0.00	1.00
R6MO	9910	0.98	0.15	0.00	1.00
R7MO	8971	0.98	0.15	0.00	1.00
R8MO	7903	0.98	0.16	0.00	1.00
R9MO	8118	0.98	0.15	0.00	1.00
S1MO	7825	0.98	0.15	0.00	1.00
S2MO	6042	0.98	0.15	0.00	1.00
S3MO	6193	0.98	0.14	0.00	1.00
S4MO	7025	0.98	0.14	0.00	1.00
S5MO	6499	0.98	0.13	0.00	1.00

S6MO	6690	0.98	0.14	0.00	1.00
S7MO	6007	0.98	0.14	0.00	1.00
S8MO	5253	0.98	0.14	0.00	1.00
S9MO	4543	0.98	0.14	0.00	1.00
R1DY	11770	0.81	0.39	0.00	1.00
R2DY	9253	0.82	0.39	0.00	1.00
R3DY	9483	0.82	0.39	0.00	1.00
R4DY	10552	0.82	0.38	0.00	1.00
R5DY	9672	0.83	0.37	0.00	1.00
R6DY	9910	0.84	0.37	0.00	1.00
R7DY	8918	0.84	0.36	0.00	1.00
R8DY	7867	0.84	0.37	0.00	1.00
R9DY	8084	0.85	0.36	0.00	1.00
S1DY	7825	0.81	0.39	0.00	1.00
S2DY	6041	0.82	0.38	0.00	1.00
S3DY	6194	0.83	0.37	0.00	1.00
S4DY	7025	0.83	0.38	0.00	1.00
S5DY	6499	0.84	0.37	0.00	1.00
S6DY	6690	0.85	0.36	0.00	1.00
S7DY	5973	0.85	0.36	0.00	1.00
S8DY	5230	0.85	0.36	0.00	1.00
S9DY	4522	0.85	0.36	0.00	1.00
R1YR	11770	0.97	0.16	0.00	1.00
R2YR	9254	0.98	0.14	0.00	1.00
R3YR	9483	0.98	0.15	0.00	1.00
R4YR	10552	0.98	0.15	0.00	1.00
R5YR	9672	0.98	0.15	0.00	1.00
R6YR	9911	0.98	0.14	0.00	1.00
R7YR	8970	0.98	0.14	0.00	1.00
R8YR	7900	0.98	0.15	0.00	1.00
R9YR	8118	0.97	0.16	0.00	1.00
S1YR	7825	0.98	0.15	0.00	1.00
S2YR	6042	0.98	0.12	0.00	1.00
S3YR	6194	0.98	0.13	0.00	1.00
S4YR	7025	0.98	0.12	0.00	1.00
S5YR	6500	0.98	0.13	0.00	1.00
S6YR	6691	0.98	0.12	0.00	1.00
S7YR	6005	0.98	0.13	0.00	1.00
S8YR	5252	0.98	0.14	0.00	1.00
S9YR	4543	0.98	0.15	0.00	1.00
R1DW	11769	0.98	0.14	0.00	1.00
R2DW	9254	0.98	0.15	0.00	1.00
R3DW	9483	0.98	0.15	0.00	1.00
R4DW	10552	0.98	0.14	0.00	1.00
R5DW	9672	0.98	0.14	0.00	1.00
R6DW	9910	0.98	0.14	0.00	1.00
R7DW	8973	0.98	0.14	0.00	1.00
R8DW	7906	0.98	0.15	0.00	1.00
R9DW	8126	0.98	0.13	0.00	1.00
S1DW	7824	0.98	0.13	0.00	1.00
S2DW	6042	0.98	0.13	0.00	1.00
S3DW	6194	0.98	0.14	0.00	1.00
S4DW	7025	0.98	0.13	0.00	1.00
S5DW	6499	0.98	0.13	0.00	1.00
S6DW	6690	0.98	0.13	0.00	1.00
S7DW	6007	0.98	0.12	0.00	1.00
S8DW	5256	0.98	0.14	0.00	1.00

S9DW	4547	0.98	0.13	0.00	1.00
R1ORIENT	11769	3.73	0.58	0.00	4.00
R2ORIENT	9253	3.75	0.57	0.00	4.00
R3ORIENT	9482	3.75	0.58	0.00	4.00
R4ORIENT	10552	3.76	0.56	0.00	4.00
R5ORIENT	9670	3.77	0.56	0.00	4.00
R6ORIENT	9909	3.78	0.56	0.00	4.00
R7ORIENT	8915	3.78	0.55	0.00	4.00
R8ORIENT	7858	3.77	0.58	0.00	4.00
R9ORIENT	8077	3.79	0.54	0.00	4.00
S1ORIENT	7824	3.75	0.55	0.00	4.00
S2ORIENT	6041	3.77	0.53	0.00	4.00
S3ORIENT	6193	3.77	0.53	0.00	4.00
S4ORIENT	7025	3.78	0.52	0.00	4.00
S5ORIENT	6498	3.79	0.53	0.00	4.00
S6ORIENT	6689	3.80	0.53	0.00	4.00
S7ORIENT	5972	3.80	0.51	0.00	4.00
S8ORIENT	5226	3.79	0.55	0.00	4.00
S9ORIENT	4521	3.79	0.53	0.00	4.00

### Categorical Variable Codes

Value-----	R1MO	R2MO	R3MO	R4MO	R5MO
.m:Missing	101	24	37		
.p:proxy	175	124	232	446	537
.r:Refuse	53	30	15	52	66
0.no	301	221	250	236	203
1.yes	11469	9033	9232	10316	9468

Value-----	R6MO	R7MO	R8MO	R9MO
.d:DK		35	26	29
.m:Missing	9		3	5
.p:proxy	614	597	463	545
.r:Refuse	68	63	50	39
0.no	234	202	196	183
1.yes	9676	8769	7707	7935

Value-----	S1MO	S2MO	S3MO	S4MO	S5MO
.m:Missing	85	18	22		
.p:proxy	122	94	158	333	418
.r:Refuse	38	24	11	44	47
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	173	135	122	132	119
1.yes	7652	5907	6071	6893	6380

Value-----	S6MO	S7MO	S8MO	S9MO
.d:DK		23	19	14
.m:Missing	5		3	2
.p:proxy	494	484	375	304
.r:Refuse	53	46	38	22
.u:Unmar	2802	2548	2255	2255
.v:SP NR	557	558	502	502
0.no	135	118	111	97
1.yes	6555	5889	5142	4446

Value-----	R1DY	R2DY	R3DY	R4DY	R5DY
.m:Missing	101	24	36		
.p:proxy	175	124	232	446	537
.r:Refuse	53	31	15	52	65
0.no	2262	1709	1718	1872	1616
1.yes	9508	7544	7765	8680	8056

Value-----	R6DY	R7DY	R8DY	R9DY
.d:DK		87	62	63



.m:Missing	9		3	5	
.p:proxy	614	597	463	545	
.r:Refuse	68	64	50	39	
0.no	1571	1393	1266	1213	
1.yes	8339	7525	6601	6871	
Value-----	S1DY	S2DY	S3DY	S4DY	S5DY
.m:Missing	85	18	21		
.p:proxy	122	94	158	333	418
.r:Refuse	38	25	11	44	47
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	1452	1058	1041	1202	1048
1.yes	6373	4983	5153	5823	5451
Value-----	S6DY	S7DY	S8DY	S9DY	
.d:DK		56	41	35	
.m:Missing	5		3	2	
.p:proxy	494	484	375	304	
.r:Refuse	53	47	39	22	
.u:Unmar	2802	2548	2255	2255	
.v:SP NR	557	558	502	502	
0.no	1021	899	793	689	
1.yes	5669	5074	4437	3833	
Value-----	R1YR	R2YR	R3YR	R4YR	R5YR
.m:Missing	101	24	37		
.p:proxy	175	124	232	446	537
.r:Refuse	53	30	14	52	65
0.no	324	194	220	229	216
1.yes	11446	9060	9263	10323	9456
Value-----	R6YR	R7YR	R8YR	R9YR	
.d:DK		35	29	29	
.m:Missing	9		3	5	
.p:proxy	614	597	463	545	
.r:Refuse	67	64	50	39	
0.no	208	191	194	210	
1.yes	9703	8779	7706	7908	
Value-----	S1YR	S2YR	S3YR	S4YR	S5YR
.m:Missing	85	18	22		
.p:proxy	122	94	158	333	418
.r:Refuse	38	24	10	44	46
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	177	92	103	107	112
1.yes	7648	5950	6091	6918	6388
Value-----	S6YR	S7YR	S8YR	S9YR	
.d:DK		25	20	14	
.m:Missing	5		3	2	
.p:proxy	494	484	375	304	
.r:Refuse	52	46	38	22	
.u:Unmar	2802	2548	2255	2255	
.v:SP NR	557	558	502	502	
0.no	103	99	105	109	
1.yes	6588	5906	5147	4434	
Value-----	R1DW	R2DW	R3DW	R4DW	R5DW
.m:Missing	100	24	37		
.p:proxy	175	124	232	446	537
.r:Refuse	55	30	14	52	65
0.no	242	200	205	201	199
1.yes	11527	9054	9278	10351	9473
Value-----	R6DW	R7DW	R8DW	R9DW	
.d:DK		32	23	21	
.m:Missing	9		3	5	
.p:proxy	614	597	463	545	
.r:Refuse	68	64	50	39	

0.no	193	167	171	140	
1.yes	9717	8806	7735	7986	
Value-----	S1DW	S2DW	S3DW	S4DW	S5DW
.m:Missing	85	18	22		
.p:proxy	122	94	158	333	418
.r:Refuse	39	24	10	44	47
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	138	109	129	122	117
1.yes	7686	5933	6065	6903	6382
Value-----	S6DW	S7DW	S8DW	S9DW	
.d:DK		23	16	10	
.m:Missing	5		3	2	
.p:proxy	494	484	375	304	
.r:Refuse	53	46	38	22	
.u:Unmar	2802	2548	2255	2255	
.v:SP NR	557	558	502	502	
0.no	114	91	101	73	
1.yes	6576	5916	5155	4474	

## How Constructed

RwDY, RwMO, RwYR, and RwDW indicate whether the respondent was able to report today's date correctly, including the day of month, month, year, and day of week, respectively. Each of these variables is coded 1 for a correct answer and 0 for an incorrect answer. Don't know, refused, or other missing responses of RwDY, RwMO, RwYR, and RwDW are assigned special missing codes .d, .r, .m, respectively. RwDY, RwMO, RwYR, and RwDW are set to special missing .p if the cognition questions were skipped because the interview was by proxy. RwDY, RwMO, RwYR, and RwDW are set to plain missing (.) for respondents who did not respond to the current wave.

SwDY, SwMO, SwYR and SwDW indicate whether the current wave's spouse was able to correctly report the day of month, month, year, and day of week, respectively. Their values are taken from the spouse's values to RwDY, RwMO, RwYR, and RwDW. In addition to the special missing codes used in RwDY, RwMO, RwYR, and RwDW, SwDY, SwMO, SwYR and SwDW employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwORIENT indicates the orientation to date, month, year and day of week. It is the summary measure for these 4 variables, ranging from 0 to 4, the higher score the better oriented. RwORIENT is calculated as long as all of the components are not missing. Don't know, refused, or other missing responses to the components of RwORIENT are assigned special missing .d, .r, .m, respectively. RwORIENT is set to special missing .p if the cognition questions were skipped because the interview was by proxy. RwORIENT is set to plain missing (.) for respondent who did not respond to the current wave.

SwORIENT is the current wave's spouse's orientation score, and is taken from the spouse's values to RwORIENT. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

RwORIENT is not included in the RAND HRS.

## ELSA Variables Used

Wave 1 Core:

ASKPX1	whether interviewed by proxy
CFDATD	day of month given correctly: please tell me today~s dat

CFDATM	month given correctly: please tell me today~s date -
CFDATY	year given correctly: please tell me today~s date -
CFDAY	day given correctly: please tell me what day of the week
Wave 2 Core:	
ASKPX1	Whether interviewed by proxy
CFDATD	Whether correct day of month given
CFDATM	Whether correct month given
CFDATY	Whether correct year given
CFDAY	Whether correct day given
Wave 3 Core:	
ASKPX	whether respondent had a proxy interview
CFDATD	whether correct day of month given
CFDATM	whether correct month given
CFDATY	whether correct year given
CFDAY	whether correct day given
Wave 4 Core:	
ASKPX	whether respondent had an interview by proxy
CFDATD	whether correct day of month given
CFDATM	whether correct month given
CFDATY	whether correct year given
CFDAY	whether correct day given
Wave 5 Core:	
ASKPX	Whether respondent had an interview by proxy
CFDATD	Whether correct day of month given
CFDATM	Whether correct month given
CFDATY	Whether correct year given
CFDAY	Whether correct day given
Wave 6 Core:	
ASKPX	whether respondent had an interview by proxy
CFDATD	whether correct day of month given
CFDATM	whether correct month given
CFDATY	whether correct year given
CFDAY	whether correct day given
Wave 7 Core:	
ASKPX	whether respondent had an interview by proxy
CFDATD	whether correct day of month given
CFDATM	whether correct month given
CFDATY	whether correct year given
CFDAY	whether correct day given
Wave 8 Core:	
ASKPX	computed: whether respondent had an interview by proxy
CFDATD	whether correct day of month given
CFDATM	whether correct month given
CFDATY	whether correct year given
CFDAY	whether correct day given
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy
CFDATD	Whether correct day of month given
CFDATM	Whether correct month given
CFDATY	Whether correct year given
CFDAY	Whether correct day given

<b>Verbal Fluency Score</b>
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Wave	Variable	Label	Type
1	R1VERBF	r1verbf:w1 r verbal fluency score	Cont
2	R2VERBF	r2verbf:w2 r verbal fluency score	Cont
3	R3VERBF	r3verbf:w3 r verbal fluency score	Cont
4	R4VERBF	r4verbf:w4 r verbal fluency score	Cont
5	R5VERBF	r5verbf:w5 r verbal fluency score	Cont
7	R7VERBF	r7verbf:w7 r verbal fluency score	Cont
8	R8VERBF	r8verbf:w8 r verbal fluency score	Cont
9	R9VERBF	r9verbf:w9 r verbal fluency score	Cont
1	S1VERBF	s1verbf:w1 s verbal fluency score	Cont
2	S2VERBF	s2verbf:w2 s verbal fluency score	Cont
3	S3VERBF	s3verbf:w3 s verbal fluency score	Cont
4	S4VERBF	s4verbf:w4 s verbal fluency score	Cont
5	S5VERBF	s5verbf:w5 s verbal fluency score	Cont
7	S7VERBF	s7verbf:w7 s verbal fluency score	Cont
8	S8VERBF	s8verbf:w8 s verbal fluency score	Cont
9	S9VERBF	s9verbf:w9 s verbal fluency score	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1VERBF	11713	19.33	6.44	0.00	50.00
R2VERBF	9252	19.81	6.67	0.00	63.00
R3VERBF	9475	20.24	6.92	0.00	56.00
R4VERBF	10541	20.71	6.90	0.00	55.00
R5VERBF	9662	20.79	6.91	0.00	51.00
R7VERBF	9057	21.13	7.34	0.00	67.00
R8VERBF	7973	21.50	7.46	0.00	99.00
R9VERBF	8185	22.15	7.49	0.00	56.00
S1VERBF	7791	20.02	6.36	0.00	49.00
S2VERBF	6042	20.51	6.60	0.00	63.00
S3VERBF	6194	20.91	6.81	0.00	56.00
S4VERBF	7023	21.32	6.72	0.00	50.00
S5VERBF	6493	21.42	6.74	0.00	51.00
S7VERBF	6069	21.69	7.17	0.00	62.00
S8VERBF	5308	22.02	7.35	0.00	60.00
S9VERBF	5355	22.77	7.32	0.00	56.00

### How Constructed

RwVERBF is the verbal fluency score. The respondents were asked to name members of animals within a time span of one minute, up to 100 animals. RwVERBF is the count of the number of acceptable animal names. Don't know, refused, or other missing responses of RwVERBF are assigned special missing codes .d, .r, .m, respectively. RwVERBF is set to special missing .p if the cognition questions were skipped because the interview was by proxy. RwVERBF is set to plain missing (.) for respondents who did not respond to the current wave.

SwVERBF is the current wave's spouse's verbal fluency score, and is taken from the spouse's values to RwVERBF. In addition to the special missing codes used in RwVERBF, SwVERBF employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

An animal naming question is not included in Wave 6.

## Differences with the RAND HRS/Harmonized HRS

Verbal fluency using animal naming questions was added to the HRS survey in 2010. A measure of verbal fluency is not currently included in the RAND HRS.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1            whether interviewed by proxy  
CFANI            number of animals mentioned after request to list as ma

### Wave 2 Core:

ASKPX1            Whether interviewed by proxy  
CFANI            Number of animals mentioned (fluency)

### Wave 3 Core:

ASKPX            whether respondent had a proxy interview  
CFANI            number of animals mentioned (fluency)

### Wave 4 Core:

ASKPX            whether respondent had an interview by proxy  
CFANI            number of animals mentioned (fluency)

### Wave 5 Core:

ASKPX            Whether respondent had an interview by proxy  
CFANI            Number of animals mentioned (fluency)

### Wave 7 Core:

ASKPX            whether respondent had an interview by proxy  
CFANI            number of animals mentioned

### Wave 8 Core:

ASKPX            computed: whether respondent had an interview by proxy  
CFANI            number of animals mentioned

### Wave 9 Core:

ASKPX            Computed: whether respondent had an interview by proxy  
CFANI            Number of animals mentioned

<b>Numeracy Score</b>
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Wave	Variable	Label	Type
1	R1NUMER_E	r1numer_e:w1 r numeracy score	Cont
4	R4NUMER_E	r4numer_e:w4 r numeracy score	Cont
6	R6NUMER_E	r6numer_e:w6 r numeracy score	Cont
7	R7NUMER_E	r7numer_e:w7 r numeracy score	Cont
8	R8NUMER_E	r8numer_e:w8 r numeracy score	Cont
9	R9NUMER_E	r9numer_e:w9 r numeracy score	Cont
1	S1NUMER_E	s1numer_e:w1 s numeracy score	Cont
4	S4NUMER_E	s4numer_e:w4 s numeracy score	Cont
6	S6NUMER_E	s6numer_e:w6 s numeracy score	Cont
7	S7NUMER_E	s7numer_e:w7 s numeracy score	Cont
8	S8NUMER_E	s8numer_e:w8 s numeracy score	Cont
9	S9NUMER_E	s9numer_e:w9 s numeracy score	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1NUMER_E	11884	3.88	1.41	0.00	6.00
R4NUMER_E	10534	4.16	1.33	0.00	6.00
R6NUMER_E	1460	4.41	1.46	0.00	6.00
R7NUMER_E	570	4.21	1.47	0.00	6.00
R8NUMER_E	202	3.32	2.21	0.00	6.00
R9NUMER_E	1181	4.34	1.37	0.00	6.00
S1NUMER_E	7912	4.02	1.38	0.00	6.00
S4NUMER_E	7015	4.28	1.28	0.00	6.00
S6NUMER_E	1062	4.48	1.43	0.00	6.00
S7NUMER_E	424	4.23	1.47	0.00	6.00
S8NUMER_E	188	3.31	2.22	0.00	6.00
S9NUMER_E	14	3.79	1.53	0.00	6.00

### How Constructed

RwNUMER\_E is the summary measure that scores the respondent's ability for mathematic performance. There are at most 5 questions asked to each respondent that require respondents to do simple computations, such as fraction-based calculations of the discounted price of an item, fraction-based calculations of the number of people affected by a disease, subtraction-based calculations of the amount of change after a purchase, division-based calculations of lottery winnings, and the amount accrued as bank interest.

The number of numeracy questions asked depends on the number of questions the respondent answers correctly.

Every respondent is asked the same first three numeracy questions. The first is: "In a sale, a shop is selling all items at half price. Before the sale, a sofa costs £300. How much will it cost in the sale?" The second question is: "If the chance of getting a disease is 10 percent, how many people out of 1,000 (one thousand) would be expected to get the disease?" The third question is: "A second hand car dealer is selling a car for £6,000. This is two thirds of what it cost new. How much did the car cost new?" If the respondent incorrectly answers all three of these questions, ELSA asks the following, final, and easier numeracy question: "If you buy a drink for 85 pence and pay with a one pound coin, how much change should you get back?" If the respondent had correctly answered any of the first three questions, ELSA asks the following question: "If 5 people all have the winning numbers in the lottery and the prize is £2 million, how much will each of them get?" If the respondent answered correctly either the number of people that would be expected to get the disease question, the price of the new car question, or the amount received by each of the lottery winners question, ELSA then asks the final question: "Let's say you have £200 in a savings account. The account earns ten percent interest each year. How much would you have in the account at the end of two years?"

RwNUMER\_E is the summary score indicating how well the respondent answered the numeracy questions. RwNUMER\_E ranges from 0 to 6. A score of 0 indicates the respondent did not answer any of the questions correctly. A score of 1 indicates the respondent did not answer the first three questions correctly but did answer the easier question correctly. A score of 2 to 6 indicates the respondent answered at least one of the first three questions correctly and RwNUMER\_E is the number of correct questions + 1. Don't know, refused, or other missing responses of RwNUMER\_E are assigned special missing codes .d, .r, .m, respectively. RwNUMER\_E is set to special missing .p if the cognition questions were skipped because the interview was by proxy. Starting in Wave 6, if the respondent was not asked the numeracy questions because they answered the questions in a previous wave, special missing value .s is assigned. RwNUMER\_E is set to plain missing (.) for respondents who did not respond to the current wave.

SwNUMER\_E is the current wave's spouse's numeracy score. In addition to the special missing codes used in RwNUMER\_E, SwNUMER\_E employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in ELSA

This question is only asked in Wave 1, Wave 4, and Wave 6 and onward. Starting in Wave 6, the question was not asked to respondents who answered the numeracy questions previously. If the questions were skipped because of re-interviewing, special missing value .s was assigned.

### Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, there are 5 possible numeracy questions asked in ELSA. In the HRS there are only 3 questions.

Also the questions are different between HRS and ELSA. The number of surveyed questions in ELSA varies according to which questions the respondent answers correctly.

There are only 3 questions in HRS. In HRS, the 3 questions are:

1. If the chance of getting a disease is 10 percent, how many people out of 1,000 would be expected to get the disease?
2. If 5 people all have the winning numbers in the lottery and the prize is two million dollars, how much will each of them get?
3. Let's say you have \$200 in a savings account. The account earns 10 percent interest per year. How much would you have in the account at the end of two years?

### ELSA Variables Used

Wave 1 Core:

ASKPX1            whether interviewed by proxy  
CFMSCR            computed score from numeracy questions (0-6)

Wave 4 Core:

ASKPX            whether respondent had an interview by proxy  
CFMSCR            computed score from numeracy questions

Wave 6 Core:

ASKPX            whether respondent had an interview by proxy  
CFMSCR            computed score from maths questions

Wave 7 Core:

ASKPX            whether respondent had an interview by proxy  
CFMSCR            computed score from maths questions

Wave 8 Core:

ASKPX            computed: whether respondent had an interview by proxy  
CFMSCR            computed: score from maths questions (cfsumb, cfsumc, cf

Wave 9 Core:

ASKPX            Computed: whether respondent had an interview by proxy  
CFMSCR            Computed: score from maths questions (cfsumb, cfsumc, cf

## Prospective Memory

Wave	Variable	Label	Type
1	R1PRMT1	r1prmt1:w1 r prospective memory task 1	Categ
2	R2PRMT1	r2prmt1:w2 r prospective memory task 1	Categ
3	R3PRMT1	r3prmt1:w3 r prospective memory task 1	Categ
4	R4PRMT1	r4prmt1:w4 r prospective memory task 1	Categ
5	R5PRMT1	r5prmt1:w5 r prospective memory task 1	Categ
1	S1PRMT1	s1prmt1:w1 s prospective memory task 1	Categ
2	S2PRMT1	s2prmt1:w2 s prospective memory task 1	Categ
3	S3PRMT1	s3prmt1:w3 s prospective memory task 1	Categ
4	S4PRMT1	s4prmt1:w4 s prospective memory task 1	Categ
5	S5PRMT1	s5prmt1:w5 s prospective memory task 1	Categ
1	R1PRMT2	r1prmt2:w1 r prospective memory task 2	Categ
1	S1PRMT2	s1prmt2:w1 s prospective memory task 2	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PRMT1	11680	3.37	1.36	0.00	4.00
R2PRMT1	9278	3.43	1.31	0.00	4.00
R3PRMT1	9317	3.49	1.25	0.00	4.00
R4PRMT1	10364	3.54	1.19	0.00	4.00
R5PRMT1	9463	3.58	1.15	0.00	4.00
S1PRMT1	7784	3.46	1.27	0.00	4.00
S2PRMT1	6061	3.53	1.20	0.00	4.00
S3PRMT1	6125	3.57	1.16	0.00	4.00
S4PRMT1	6934	3.62	1.10	0.00	4.00
S5PRMT1	6398	3.64	1.06	0.00	4.00
R1PRMT2	11693	1.53	0.82	0.00	2.00
S1PRMT2	7784	1.61	0.76	0.00	2.00

### Categorical Variable Codes

Value-----	R1PRMT1	R2PRMT1	R3PRMT1	R4PRMT1	R5PRMT1
.d:DK	41				
.m:Missing	120	30	216	240	274
.p:proxy	175	124	232	446	537
.r:Refuse	83		1		
0.Did nothing/didn't rememb	1399	999	928	926	784
1.Did something else	215	179	96	83	59
2.Wrote something else in t	325	246	244	222	216
3.Wrote initials somewhere	434	301	283	322	240
4.Wrote initials in top lef	9307	7553	7766	8811	8164

Value-----	S1PRMT1	S2PRMT1	S3PRMT1	S4PRMT1	S5PRMT1
.d:DK	13				
.m:Missing	95	23	100	135	148
.p:proxy	122	94	158	333	418
.r:Refuse	56		1		
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.Did nothing/didn't rememb	789	524	509	510	438
1.Did something else	132	112	54	50	33



2.Wrote something else in t	203	133	127	139	139
3.Wrote initials somewhere	260	178	167	193	157
4.Wrote initials in top lef	6400	5114	5268	6042	5631

Value-----	R1PRMT2
.d:DK	30
.m:Missing	125
.p:proxy	175
.r:Refuse	76
0.Did nothing/didn't rememb	2464
1.Did something else	613
2.Reminded interviewer to r	8616

Value-----	S1PRMT2
.d:DK	13
.m:Missing	99
.p:proxy	122
.r:Refuse	52
.u:Unmar	3561
.v:SP NR	468
0.Did nothing/didn't rememb	1320
1.Did something else	381
2.Reminded interviewer to r	6083

## How Constructed

Prospective memory questions are asked to indicate how well the respondent was able to remember to perform a task with previously given instructions.

RwPRMT1 indicates how well the respondent was able to remember to perform the correct actions for the first of two tasks. Respondents are told by the interviewer, "The first is remembering to do a task. At some point during the interview I will hand you this clipboard and a pencil. When I do I would like you to write your initials on the top left hand corner of the piece of paper attached to the clipboard. Is that clear?" RwPRMT1 indicates the respondent's actions when the interviewer later hands them the clipboard. RwPRMT1 is coded as follows: 0.Did nothing/didn't remember, 1.Did something else, 2.Wrote something else in the top left corner, 3.Wrote initials somewhere else, 4.Wrote initials in the top left corner. As such, the higher the score, the better the respondent was able to remember the instructions. Don't know, refuse, or other missing responses of RwPRMT1 are assigned special missing codes .d, .r, or .m, respectively. RwPRMT1 is set to special missing .p if the cognition questions were skipped because the interview was by proxy. RwPRMT1 is set to blank missing (.) if the respondent did not participate in the current wave.

SwPRMT1 indicates how well the respondent's current wave's spouse was able to remember to perform the correct first task, specifically initialing the top left corner of a piece of paper. The values are taken from the spouse's values to RwPRMT1. In addition to the special missing values used in RwPRMT1, SwPRMT1 employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwPRMT2 indicates how well the respondent was able to remember to perform the correct actions for the second of two tasks. Respondents are told by the interviewer, "The second task is for you to remind me to do something. When we finish the memory and concentrations tasks I will say 'That is the end of the memory and concentration tasks'. When I do I would like you to remind me to record what time we finish the tasks. Is that clear?" RwPRMT2 indicates the respondent's actions when the interviewer later declares the end of the memory and concentrations tasks. RwPRMT2 is coded as follows: 0.Did nothing/didn't remember, 1.Did something else, 2.Reminded interviewer to record time. As such, the higher the score, the better the respondent was able to remember the instructions. Don't know, refuse or other missing responses of RwPRMT2 are assigned special missing codes .d, .r, or .m, respectively. RwPRMT2 is set to special missing .p if the cognition questions were skipped because the interview was by proxy. RwPRMT2 is set to blank missing (.) if the respondent did not participate in the current wave.

SwPRMT2 indicates how well the respondent's current wave's spouse was able to remember to perform the correct second task, specifically reminding the interviewer to record the time. The values are taken from the spouse's values to RwPRMT2. In addition to the special missing values used in RwPRMT2, SwPRMT2 employs two additional special missing codes, .u and .v. A special missing value .u is used when the

respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Two prospective memory tasks are performed only in Wave 1. In Waves 2 to 5, one prospective memory task is performed. Starting in Wave 6, the prospective memory tasks have been dropped.

## Differences with the RAND HRS/Harmonized HRS

The HRS does not currently include prospective memory tasks.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
CFMEMS	code what respondent did when handed clipboard and pencil
CFPMB	whether respondent reminded interviewer to record the time

### Wave 2 Core:

ASKPX1	Whether interviewed by proxy
CFMEMS	Response given for prospective memory test (remembering)

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
CFMEMS	response given for prospective memory test (remembering)

### Wave 4 Core:

ASKPX	whether respondent had an interview by proxy
CFMEMS	response given for prospective memory test (remembering)

### Wave 5 Core:

ASKPX	Whether respondent had an interview by proxy
CFMEMS	Response given for prospective memory test (remembering)

## Backwards Counting

Wave	Variable	Label	Type
7	R7BWC20	r7bwc20:w7 r Backwards Counting From 20	Categ
8	R8BWC20	r8bwc20:w8 r Backwards Counting From 20	Categ
9	R9BWC20	r9bwc20:w9 r Backwards Counting From 20	Categ
7	S7BWC20	s7bwc20:w7 s Backwards Counting From 20	Categ
8	S8BWC20	s8bwc20:w8 s Backwards Counting From 20	Categ
9	S9BWC20	s9bwc20:w9 s Backwards Counting From 20	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7BWC20	8977	1.93	0.36	0.00	2.00
R8BWC20	7905	1.94	0.35	0.00	2.00
R9BWC20	8118	1.94	0.35	0.00	2.00
S7BWC20	6006	1.95	0.32	0.00	2.00
S8BWC20	5256	1.94	0.34	0.00	2.00
S9BWC20	4544	1.94	0.34	0.00	2.00

### Categorical Variable Codes

Value	R7BWC20	R8BWC20	R9BWC20
.d:DK	17	11	6
.m:Missing		3	5
.p:proxy	597	463	545
.r:Refuse	75	63	62
0.Incorrect	292	247	252
1.Correct, 2nd try	13	7	8
2.Correct, 1st try	8672	7651	7858

Value	S7BWC20	S8BWC20	S9BWC20
.d:DK	13	9	2
.m:Missing		3	2
.p:proxy	484	375	304
.r:Refuse	57	45	33
.u:Unmar	2548	2255	2255
.v:SP NR	558	502	502
0.Incorrect	162	154	138
1.Correct, 2nd try	3	4	4
2.Correct, 1st try	5841	5098	4402

### How Constructed

RwBWC20 indicates whether the respondent was able to successfully count backwards for 10 continuous numbers from 20. Two points are given if the respondent was successful on the first try, one point if the respondent was successful on the second try, and zero points if the respondent was not successful on either try. RwBWC20 is assigned special missing values .d, .r, or .m, if the response was don't know, refused, or missing, respectively. RwBWC20 is set to .p if the cognition questions were skipped because the interview was by proxy. RwBWC20 is set to plain missing (.) for respondents who did not respond to the current wave.

SwBWC20 is the current wave's spouse's value for RwBWC20. In addition to the special missing codes used in RwBWC20, if the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. Also, if the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

The backwards counting questions were asked starting in Wave 7.

## Differences with the RAND HRS/Harmonized HRS

Different from the HRS, in ELSA the backwards counting questions only included counting back from 20, whereas the HRS also asks counting from 86.

## ELSA Variables Used

### Wave 7 Core:

ASKPX	whether respondent had an interview by proxy
CFC20FRST	counting backwards task - first attempt
CFC20FSCND	counting backwards task - second attempt

### Wave 8 Core:

ASKPX	computed: whether respondent had an interview by proxy
CFC20FRST	counting backwards task: first attempt
CFC20FSCND	counting backwards task: second attempt

### Wave 9 Core:

ASKPX	Computed: whether respondent had an interview by proxy
CFC20FRST	Counting backwards task: first attempt
CFC20FSCND	Counting backwards task: second attempt

<b>Serial 7's</b>
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Wave	Variable	Label	Type
7	R7SER7	r7ser7:w7 R serial 7s	Cont
8	R8SER7	r8ser7:w8 R serial 7s	Cont
9	R9SER7	r9ser7:w9 R serial 7s	Cont
7	S7SER7	s7ser7:w7 S serial 7s	Cont
8	S8SER7	s8ser7:w8 S serial 7s	Cont
9	S9SER7	s9ser7:w9 S serial 7s	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7SER7	8379	4.36	1.01	0.00	5.00
R8SER7	7363	4.37	1.02	0.00	5.00
R9SER7	7599	4.40	0.99	0.00	5.00
S7SER7	5684	4.39	0.98	0.00	5.00
S8SER7	4936	4.41	0.99	0.00	5.00
S9SER7	5016	4.44	0.95	0.00	5.00

### How Constructed

RwSER7 provides the numbers of correct subtractions in the serial 7's test. This test asks the individual to subtract 7 from the prior number, beginning with 100 for five trials. Correct subtractions are based on the prior number given, so that even if one subtraction is incorrect subsequent trials are evaluated on the given (perhaps wrong) answer. Valid scores are 0-5. Don't know, refused, or other missing values for RwSER7 is assigned special missing codes .d, .r, .m, respectively. RwSER7 is set to special missing .p if the cognition questions were skipped because the interview was by proxy. RwSER7 is set to plain missing (.) for respondents who did not respond to this wave.

SwSER7 provides the current wave's spouse numbers of correct subtractions in the serial 7's test and is taken directly from the spouse's value to RwSER7. In addition to the special missing codes used in RwSER7, SwSER7 employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in ELSA

These questions were asked starting in Wave 7.

### Differences with the RAND HRS/Harmonized HRS

No differences known.

### ELSA Variables Used

#### Wave 7 Core:

ASKPX	whether respondent had an interview by proxy
CFSVA	number subtraction series - first subtraction
CFSVB	number subtraction series - second subtraction
CFSVC	number subtraction series - third subtraction
CFSVD	number subtraction series - fourth subtraction
CFSVE	number subtraction series - fifth subtraction

#### Wave 8 Core:

ASKPX	computed: whether respondent had an interview by proxy
CFSVA	number subtraction series: first subtraction

CFSVB number subtraction series: second subtraction  
CFSVC number subtraction series: third subtraction  
CFSVD number subtraction series: fourth subtraction  
CFSVE number subtraction series: fifth subtraction

## Wave 9 Core:

ASKPX Computed: whether respondent had an interview by proxy  
CFSVA Number subtraction series: first subtraction  
CFSVB Number subtraction series: second subtraction  
CFSVC Number subtraction series: third subtraction  
CFSVD Number subtraction series: fourth subtraction  
CFSVE Number subtraction series: fifth subtraction

## Object Naming

Wave	Variable	Label	Type
7	R7SCIS	r7scis:w7 r object naming scissors	Categ
8	R8SCIS	r8scis:w8 r object naming scissors	Categ
9	R9SCIS	r9scis:w9 r object naming scissors	Categ
7	S7SCIS	s7scis:w7 s object naming scissors	Categ
8	S8SCIS	s8scis:w8 s object naming scissors	Categ
9	S9SCIS	s9scis:w9 s object naming scissors	Categ
7	R7CACT	r7cact:w7 r object naming cactus	Categ
8	R8CACT	r8cact:w8 r object naming cactus	Categ
9	R9CACT	r9cact:w9 r object naming cactus	Categ
7	S7CACT	s7cact:w7 s object naming cactus	Categ
8	S8CACT	s8cact:w8 s object naming cactus	Categ
9	S9CACT	s9cact:w9 s object naming cactus	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7SCIS	8978	0.98	0.13	0.00	1.00
R8SCIS	7909	0.98	0.13	0.00	1.00
R9SCIS	8121	0.99	0.10	0.00	1.00
S7SCIS	6007	0.98	0.12	0.00	1.00
S8SCIS	5256	0.98	0.13	0.00	1.00
S9SCIS	4544	0.99	0.11	0.00	1.00
R7CACT	8899	0.94	0.24	0.00	1.00
R8CACT	7850	0.95	0.23	0.00	1.00
R9CACT	8050	0.95	0.21	0.00	1.00
S7CACT	5967	0.95	0.22	0.00	1.00
S8CACT	5228	0.96	0.20	0.00	1.00
S9CACT	4519	0.96	0.19	0.00	1.00

### Categorical Variable Codes

Value	R7SCIS	R8SCIS	R9SCIS
.d:DK	22	13	22
.m:Missing		3	5
.p:proxy	597	463	545
.r:Refuse	69	57	43
0.Incorrect	151	139	84
1.Correct	8827	7770	8037

Value	S7SCIS	S8SCIS	S9SCIS
.d:DK	17	12	11
.m:Missing		3	2
.p:proxy	484	375	304
.r:Refuse	52	42	24
.u:Unmar	2548	2255	2255
.v:SP NR	558	502	502
0.Incorrect	94	92	51
1.Correct	5913	5164	4493

Value	R7CACT	R8CACT	R9CACT
.d:DK	101	72	92

.m:Missing		3	5
.p:proxy	597	463	545
.r:Refuse	69	57	44
0.Incorrect	538	425	369
1.Correct	8361	7425	7681
Value-----	S7CACT	S8CACT	S9CACT
.d:DK	58	40	36
.m:Missing		3	2
.p:proxy	484	375	304
.r:Refuse	51	42	24
.u:Unmar	2548	2255	2255
.v:SP NR	558	502	502
0.Incorrect	290	222	171
1.Correct	5677	5006	4348

## How Constructed

RwCACT and RwSCIS indicate whether the respondent was able to correctly name these objects, cactus and scissors, respectively, based on a verbal description. For RwSCIS the description was: "What do you usually use to cut paper?" and for RwCACT it was: "What do you call the kind of prickly plant that grows in the desert?" Don't know, refused, or other missing responses of RwCACT and RwSCIS are assigned special missing codes .d, .r, .m, respectively. RwCACT and RwSCIS are set to special missing .p if the cognition questions were skipped because the interview was by proxy. RwCACT and RwSCIS are set to plain missing (.) for respondents who did not respond to the current wave.

SwCACT and SwSCIS indicate whether the current wave's spouse's correctly named these objects, cactus and scissors, and are taken from the spouse's values to RwCACT and RwSCIS. In addition to the special missing codes used in RwCACT and RwSCIS, SwCACT and SwSCIS employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

The object naming questions were asked starting in Wave 7.

## Differences with the RAND HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

### Wave 7 Core:

ASKPX            whether respondent had an interview by proxy  
 CFNMCA        naming questions - name of prickly desert plant  
 CFNMSC        naming questions - tool used to cut paper

### Wave 8 Core:

ASKPX            computed: whether respondent had an interview by proxy  
 CFNMCA        naming questions: name of prickly desert plant  
 CFNMSC        naming questions: tool used to cut paper

### Wave 9 Core:

ASKPX            Computed: whether respondent had an interview by proxy  
 CFNMCA        Naming questions: name of prickly desert plant  
 CFNMSC        Naming questions: tool used to cut paper



<b>Monarch/Prime Minister/US President Naming</b>
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Wave	Variable	Label	Type
7	R7MNRC	r7mnrc:w7 r current monarch	Categ
8	R8MNRC	r8mnrc:w8 r current monarch	Categ
9	R9MNRC	r9mnrc:w9 r current monarch	Categ
7	S7MNRC	s7mnrc:w7 s current monarch	Categ
8	S8MNRC	s8mnrc:w8 s current monarch	Categ
9	S9MNRC	s9mnrc:w9 s current monarch	Categ
7	R7PM	r7pm:w7 r current prime minister	Categ
8	R8PM	r8pm:w8 r current prime minister	Categ
9	R9PM	r9pm:w9 r current prime minister	Categ
7	S7PM	s7pm:w7 s current prime minister	Categ
8	S8PM	s8pm:w8 s current prime minister	Categ
9	S9PM	s9pm:w9 s current prime minister	Categ
7	R7PRES	r7pres:w7 r current US president	Categ
8	R8PRES	r8pres:w8 r current US president	Categ
9	R9PRES	r9pres:w9 r current US president	Categ
7	S7PRES	s7pres:w7 s current US president	Categ
8	S8PRES	s8pres:w8 s current US president	Categ
9	S9PRES	s9pres:w9 s current US president	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R7MNRC	8956	0.98	0.14	0.00	1.00
R8MNRC	7891	0.98	0.12	0.00	1.00
R9MNRC	8092	0.98	0.13	0.00	1.00
S7MNRC	5994	0.98	0.13	0.00	1.00
S8MNRC	5241	0.98	0.12	0.00	1.00
S9MNRC	4531	0.99	0.11	0.00	1.00
R7PM	8835	0.88	0.32	0.00	1.00
R8PM	7782	0.88	0.33	0.00	1.00
R9PM	8027	0.95	0.22	0.00	1.00
S7PM	5925	0.90	0.30	0.00	1.00
S8PM	5179	0.89	0.31	0.00	1.00
S9PM	4500	0.96	0.20	0.00	1.00
R7PRES	8868	0.92	0.27	0.00	1.00
R8PRES	7852	0.94	0.23	0.00	1.00
R9PRES	8036	0.94	0.23	0.00	1.00
S7PRES	5957	0.94	0.23	0.00	1.00
S8PRES	5230	0.96	0.21	0.00	1.00
S9PRES	4501	0.95	0.21	0.00	1.00

### Categorical Variable Codes

Value-----	R7MNRC	R8MNRC	R9MNRC
.d:DK	42	31	50

.m:Missing		3	5
.p:proxy	597	463	545
.r:Refuse	71	57	44
0.Incorrect	184	121	135
1.Correct	8772	7770	7957
Value-----	S7MNRC	S8MNRC	S9MNRC
.d:DK	29	27	25
.m:Missing		3	2
.p:proxy	484	375	304
.r:Refuse	53	42	23
.u:Unmar	2548	2255	2255
.v:SP NR	558	502	502
0.Incorrect	108	79	56
1.Correct	5886	5162	4475
Value-----	R7PM	R8PM	R9PM
.d:DK	162	141	116
.m:Missing		3	5
.p:proxy	597	463	545
.r:Refuse	72	56	43
0.Incorrect	1018	941	419
1.Correct	7817	6841	7608
Value-----	S7PM	S8PM	S9PM
.d:DK	97	90	56
.m:Missing		3	2
.p:proxy	484	375	304
.r:Refuse	54	41	23
.u:Unmar	2548	2255	2255
.v:SP NR	558	502	502
0.Incorrect	603	544	181
1.Correct	5322	4635	4319
Value-----	R7PRES	R8PRES	R9PRES
.d:DK	130	71	105
.m:Missing		3	5
.p:proxy	597	463	545
.r:Refuse	71	56	45
0.Incorrect	686	444	466
1.Correct	8182	7408	7570
Value-----	S7PRES	S8PRES	S9PRES
.d:DK	66	39	54
.m:Missing		3	2
.p:proxy	484	375	304
.r:Refuse	53	41	24
.u:Unmar	2548	2255	2255
.v:SP NR	558	502	502
0.Incorrect	338	235	213
1.Correct	5619	4995	4288

## How Constructed

RwMNRC, RwPM and RwpRES indicate whether the respondent was able to correctly name the current monarch of the UK, prime minister of the UK, and president of the United States, respectively. Don't know, refused, or other missing responses of RwMNRC, RwPM and RwpRES are assigned special missing codes .d, .r, .m, respectively. RwMNRC, RwPM and RwpRES are assigned special missing .p if the cognition questions were skipped because the interview was by proxy. RwMNRC, RwPM and RwpRES are set to plain missing (.) for respondents who did not respond to the current wave.

SwMNRC, SwPM and SwPRES indicate whether the current wave's spouse was able to correctly name the current monarch of the UK, prime minister of the UK, and president of the United States, respectively, and are taken from the spouse's values to RwMNRC, RwPM and RwpRES. In addition to the special missing codes used in RwMNRC, RwPM and RwpRES, SwMNRC, SwPM and SwPRES employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

These questions were asked starting in Wave 7.

## Differences with the RAND HRS/Harmonized HRS

Unlike HRS, ELSA asked the respondents about their current monarch and prime minister.

## ELSA Variables Used

### Wave 7 Core:

ASKPX	whether respondent had an interview by proxy
CFNMMPM	naming questions - current pm
CFNMQN	naming questions - current monarch
CFNMUS	naming questions - current us president

### Wave 8 Core:

ASKPX	computed: whether respondent had an interview by proxy
CFNMMPM	naming questions: current pm
CFNMQN	naming questions: current monarch
CFNMUS	naming questions: current us president

### Wave 9 Core:

ASKPX	Computed: whether respondent had an interview by proxy
CFNMMPM	Naming questions: current PM
CFNMQN	Naming questions: current monarch
CFNMUS	Naming questions: current US president

## **Section E: Financial and Housing Wealth**

<b>Inflation Multiplier</b>
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Wave	Variable	Label	Type
1	C2001CPINDEX	2001 consumer price index, 2010=100	Cont
1	C2002CPINDEX	2002 consumer price index, 2010=100	Cont
1	C2003CPINDEX	2003 consumer price index, 2010=100	Cont
1	C2004CPINDEX	2004 consumer price index, 2010=100	Cont
1	C2005CPINDEX	2005 consumer price index, 2010=100	Cont
1	C2006CPINDEX	2006 consumer price index, 2010=100	Cont
1	C2007CPINDEX	2007 consumer price index, 2010=100	Cont
1	C2008CPINDEX	2008 consumer price index, 2010=100	Cont
1	C2009CPINDEX	2009 consumer price index, 2010=100	Cont
1	C2010CPINDEX	2010 consumer price index, 2010=100	Cont
1	C2011CPINDEX	2011 consumer price index, 2010=100	Cont
1	C2012CPINDEX	2012 consumer price index, 2010=100	Cont
1	C2013CPINDEX	2013 consumer price index, 2010=100	Cont
1	C2014CPINDEX	2014 consumer price index, 2010=100	Cont
1	C2015CPINDEX	2015 consumer price index, 2010=100	Cont
1	C2016CPINDEX	2016 consumer price index, 2010=100	Cont
1	C2017CPINDEX	2017 consumer price index, 2010=100	Cont
1	C2018CPINDEX	2018 consumer price index, 2010=100	Cont
1	C2019CPINDEX	2019 consumer price index, 2010=100	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
C2001CPINDEX	19802	82.80	0.00	82.80	82.80
C2002CPINDEX	19802	84.00	0.00	84.00	84.00
C2003CPINDEX	19802	85.10	0.00	85.10	85.10
C2004CPINDEX	19802	86.30	0.00	86.30	86.30
C2005CPINDEX	19802	88.10	0.00	88.10	88.10
C2006CPINDEX	19802	90.30	0.00	90.30	90.30
C2007CPINDEX	19802	92.50	0.00	92.50	92.50
C2008CPINDEX	19802	95.70	0.00	95.70	95.70
C2009CPINDEX	19802	97.60	0.00	97.60	97.60
C2010CPINDEX	19802	100.00	0.00	100.00	100.00
C2011CPINDEX	19802	103.90	0.00	103.90	103.90
C2012CPINDEX	19802	106.50	0.00	106.50	106.50
C2013CPINDEX	19802	109.00	0.00	109.00	109.00
C2014CPINDEX	19802	110.50	0.00	110.50	110.50
C2015CPINDEX	19802	111.00	0.00	111.00	111.00
C2016CPINDEX	19802	112.10	0.00	112.10	112.10
C2017CPINDEX	19802	115.00	0.00	115.00	115.00
C2018CPINDEX	19802	117.60	0.00	117.60	117.60
C2019CPINDEX	19802	119.60	0.00	119.60	119.60

### How Constructed

CyyyyCPINDEX is the annual consumer price index for the year of the survey. CyyyyCPINDEX uses 2010 as its base year so the consumer price index for a survey conducted in 2010 would be 100. This consumer price index can be used as an inflation multiplier when comparing financial values between different survey years.

CyyyyCPINDEX values were provided by the OECD as part of the Consumer Price (MEI) dataset. The index measures monthly changes in the general level of prices of goods and services that households acquire for consumption. For more information on the calculation of the consumer price index see <http://stats.oecd.org>.

### **Cross Wave Differences in ELSA**

Consumer price index values are not based on any ELSA survey question.

### **Differences with the RAND HRS/Harmonized HRS**

Consumer price index values are not included in the RAND HRS.

<b>Net Value of Other Real Estate</b>
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Wave	Variable	Label	Type
1	H1ARLES	h1arles:w1 assets: other real estate	Cont
2	H2ARLES	h2arles:w2 assets: other real estate	Cont
3	H3ARLES	h3arles:w3 assets: other real estate	Cont
4	H4ARLES	h4arles:w4 assets: other real estate	Cont
5	H5ARLES	h5arles:w5 assets: other real estate	Cont
6	H6ARLES	h6arles:w6 assets: other real estate	Cont
7	H7ARLES	h7arles:w7 assets: other real estate	Cont
8	H8ARLES	h8arles:w8 assets: other real estate	Cont
9	H9ARLES	h9arles:w9 assets: other real estate	Cont
1	H1AFRLES	h1afrles:w1 asst flag: other real estate	Categ
2	H2AFRLES	h2afrles:w2 asst flag: other real estate	Categ
3	H3AFRLES	h3afrles:w3 asst flag: other real estate	Categ
4	H4AFRLES	h4afrles:w4 asst flag: other real estate	Categ
5	H5AFRLES	h5afrles:w5 asst flag: other real estate	Categ
6	H6AFRLES	h6afrles:w6 asst flag: other real estate	Categ
7	H7AFRLES	h7afrles:w7 asst flag: other real estate	Categ
8	H8AFRLES	h8afrles:w8 asst flag: other real estate	Categ
9	H9AFRLES	h9afrles:w9 asst flag: other real estate	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ARLES	11891	18234.33	85357.87	0.00	3500000.00
H2ARLES	9310	16326.22	107622.79	0.00	4000000.00
H3ARLES	9518	20424.62	115159.04	0.00	3600000.00
H4ARLES	10755	24259.69	126003.44	0.00	3500000.00
H5ARLES	10043	23222.96	103325.13	0.00	2300000.00
H6ARLES	10362	27219.81	123302.08	0.00	3000000.00
H7ARLES	9417	34037.02	175662.75	0.00	6000000.00
H8ARLES	8301	40156.80	201383.09	0.00	7000000.00
H9ARLES	8579	43082.80	198714.14	0.00	6000000.00
H1AFRLES	12099	5.44	1.69	1.00	9.00
H2AFRLES	9432	5.60	1.46	1.00	9.00
H3AFRLES	9766	5.58	1.61	1.00	10.00
H4AFRLES	11050	5.54	1.67	1.00	10.00
H5AFRLES	10274	5.51	1.67	1.00	10.00
H6AFRLES	10601	5.45	1.74	1.00	10.00
H7AFRLES	9666	5.44	1.78	1.00	10.00
H8AFRLES	8445	5.37	1.79	1.00	10.00
H9AFRLES	8736	5.35	1.81	1.00	10.00

### Categorical Variable Codes

Value-----	H1AFRLES	H2AFRLES	H3AFRLES	H4AFRLES	H5AFRLES
1.continuous value	1376	788	946	1151	1095
2.closed range bracket	109	35	34	47	58
3.open range bracket	43	25	7	18	38
5.no value/bracket	55	41	64	94	55
6.no asset	10226	8391	8404	9387	8756
7.dk	82	30	63	58	41
9.non-responding spouse	208	122	197	227	159
10.institutional interview			51	68	72
Value-----	H6AFRLES	H7AFRLES	H8AFRLES	H9AFRLES	

1.continuous value	1243	1197	1117	1176
2.closed range bracket	68	41	36	30
3.open range bracket	33	30	29	49
5.no value/bracket	70	66	47	60
6.no asset	8894	8014	7025	7240
7.dk	54	69	47	24
9.non-responding spouse	164	185	86	103
10.institutional interview	75	64	58	54

## How Constructed

HwARLES is based on information from the derived variable (including imputations):

home\_bu\_i is the net value of the secondary home residence and other property after paying all the debts, imputation values included.

This variable is derived at the "benefit unit" level. In ELSA this is a couple or a single person with any dependent children they may have. Therefore, the information reported is combined for those couples keeping finances separately in order to obtain a benefit unit definition. Imputations are not obtained for: 1) couples where neither member answers the IA module; 2) couples keeping separate finances where one member does not answer the IA module; 3) singles who do not answer the IA module; 4) respondents living in institutions starting in Wave 3. The net value of other real estate takes value "missing", .m, in these cases. HwARLES is set to blank missing (.) if the respondent did not participate in the current wave.

HwAFRLES is a flag variable based on the original flag variable home\_bu\_t, indicating response types for the value of other real estate.

## Cross Wave Differences in ELSA

The value of other real estate is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include an interviewer check when a respondent reports expecting more than £500,000 from the sale of the other real estate. This check is not included in the waves following Wave 2.

## Differences with the RAND HRS/Harmonized HRS

Net value of other real estate in ELSA is measured in nominal pounds, whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

## ELSA Variables Used

### Wave 1 Financial:

HOME\_BU\_I BU 2nd home and oth property (iahome) - value (incl. imp  
HOME\_BU\_T BU 2nd home and oth property (iahome) - imputation flag

### Wave 2 Financial:

HOME\_BU\_I BU 2nd home and oth property (iahome) - value (incl. imp  
HOME\_BU\_T BU 2nd home and oth property (iahome) - imputation flag

### Wave 3 Financial:

HOME\_BU\_I BU 2nd home and oth property (iahome) - value (incl. imp  
HOME\_BU\_T BU 2nd home and oth property (iahome) - imputation flag

### Wave 4 Financial:

HOME\_BU\_I BU 2nd home and oth property (iahome) - value (incl. imp  
HOME\_BU\_T BU 2nd home and oth property (iahome) - imputation flag

### Wave 5 Financial:

HOME\_BU\_I BU 2nd home and oth property (iahome) - value (incl. imp  
HOME\_BU\_T BU 2nd home and oth property (iahome) - imputation flag

### Wave 6 Financial:

HOME\_BU\_I BU 2nd home and oth property (iahome) - value (incl. imp  
HOME\_BU\_T BU 2nd home and oth property (iahome) - imputation flag

### Wave 7 Financial:



```
HOME_BU_I    BU 2nd home and oth property (iahome) - value (incl. imp
HOME_BU_T    BU 2nd home and oth property (iahome) - imputation flag
Wave 8 Financial:
HOME_BU_I    BU 2nd home and oth property (iahome) - value (incl. imp
HOME_BU_T    BU 2nd home and oth property (iahome) - imputation flag
Wave 9 Financial:
HOME_BU_I    BU 2nd home and oth property (iahome) - value (incl. imp
HOME_BU_T    BU 2nd home and oth property (iahome) - imputation flag
```

<b>Net Value of Business</b>
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Wave	Variable	Label	Type
1	H1ABSNS	h1absns:w1 assets: business	Cont
2	H2ABSNS	h2absns:w2 assets: business	Cont
3	H3ABSNS	h3absns:w3 assets: business	Cont
4	H4ABSNS	h4absns:w4 assets: business	Cont
5	H5ABSNS	h5absns:w5 assets: business	Cont
6	H6ABSNS	h6absns:w6 assets: business	Cont
7	H7ABSNS	h7absns:w7 assets: business	Cont
8	H8ABSNS	h8absns:w8 assets: business	Cont
9	H9ABSNS	h9absns:w9 assets: business	Cont
1	H1AFBSNS	h1afbsns:w1 asst flag: business	Categ
2	H2AFBSNS	h2afbsns:w2 asst flag: business	Categ
3	H3AFBSNS	h3afbsns:w3 asst flag: business	Categ
4	H4AFBSNS	h4afbsns:w4 asst flag: business	Categ
5	H5AFBSNS	h5afbsns:w5 asst flag: business	Categ
6	H6AFBSNS	h6afbsns:w6 asst flag: business	Categ
7	H7AFBSNS	h7afbsns:w7 asst flag: business	Categ
8	H8AFBSNS	h8afbsns:w8 asst flag: business	Categ
9	H9AFBSNS	h9afbsns:w9 asst flag: business	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ABSNS	11891	16607.91	227182.57	0.00	8060000.00
H2ABSNS	9310	13924.54	150598.48	0.00	4500000.00
H3ABSNS	9518	18996.35	328332.06	0.00	20450000.00
H4ABSNS	10755	25631.34	486613.35	0.00	37000000.00
H5ABSNS	10043	19606.35	234132.84	0.00	10000000.00
H6ABSNS	10362	30150.63	422532.22	0.00	20000000.00
H7ABSNS	9417	34487.17	491926.99	0.00	32000000.00
H8ABSNS	8301	34783.61	527808.47	0.00	37500000.00
H9ABSNS	8579	26682.43	282702.02	0.00	9000000.00
H1AFBSNS	12099	5.88	1.11	1.00	9.00
H2AFBSNS	9432	5.95	0.91	1.00	9.00
H3AFBSNS	9766	5.96	1.11	1.00	10.00
H4AFBSNS	11050	5.98	1.16	1.00	10.00
H5AFBSNS	10274	6.03	1.03	1.00	10.00
H6AFBSNS	10601	6.02	1.08	1.00	10.00
H7AFBSNS	9666	6.05	1.07	1.00	10.00
H8AFBSNS	8445	6.03	1.01	1.00	10.00
H9AFBSNS	8736	6.03	1.10	1.00	10.00

### Categorical Variable Codes

Value-----	H1AFBSNS	H2AFBSNS	H3AFBSNS	H4AFBSNS	H5AFBSNS
1.continuous value	364	196	271	349	232
2.closed range bracket	185	67	103	104	76
3.open range bracket	40	25	14	17	14
5.no value/bracket	108	48	70	76	57
6.no asset	10439	8411	8319	9129	8555
7.dk ownership	755	563	741	1080	1109
9.non-responding spouse	208	122	197	227	159
10.institutional interview			51	68	72
Value-----	H6AFBSNS	H7AFBSNS	H8AFBSNS	H9AFBSNS	

1.continuous value	268	228	194	236
2.closed range bracket	78	60	49	75
3.open range bracket	43	40	23	26
5.no value/bracket	58	60	47	46
6.no asset	8636	7789	6925	6885
7.dk ownership	1279	1240	1063	1311
9.non-responding spouse	164	185	86	103
10.institutional interview	75	64	58	54

## How Constructed

HwABSNS is based on information from the derived variable (including imputations):

farm\_bu\_i which represents net value of business including imputations: If you sold your Farm or Business property and then paid off any debts on it, about how much would you/you or your husband/wife/partner get?

busv\_bu\_i is the total value of share of business.

othbusv\_bu\_i is the total value of any other business or part of a business the respondent owns (as an active or sleeping partner).

Net value business is then constructed as the sum of the different business components:

(farm\_bu\_i + busv\_bu\_i + othbusv\_bu\_i)

This variable is derived at the "benefit unit" level. In ELSA this is a couple or a single person with any dependent children they may have. Therefore, the information reported is combined for those couples keeping finances separately in order to obtain a benefit unit definition. Imputations are not obtained for: 1) couples where neither member answers the IA module; 2) couples keeping separate finances where one member does not answer the IA module; 3) singles who do not answer the IA module; 4) respondents living in institutions starting in Wave 3. The net value of business takes value "missing", .m, in these cases. HwABSNS is set to blank missing (.) if the respondent did not participate in the current wave.

HwAFBSNS is a flag variable based on the original flag variables (farm\_bu\_t, busv\_bu\_t, othbusv\_bu\_t), indicating response types for the value of business.

## Cross Wave Differences in ELSA

The net value of business is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include an interviewer check when a respondent reported his/her share of a business to be worth more than £2,000,000. This check is not included in the waves following Wave 2.

## Differences with the RAND HRS/Harmonized HRS

Net value of business in ELSA is measured in nominal pounds, whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

## ELSA Variables Used

### Wave 1 Financial:

BUSV_BU_I	BU value of business (wpbusv) - value (incl. imputed val
BUSV_BU_T	BU value of business (wpbusv) - imputation flag
FARM_BU_I	BU farm or business property (iafbps) - value (incl. imp
FARM_BU_T	BU farm or business property (iafbps) - imputation flag
OTHBUSV_BU_I	BU value of oth business (wpvbus) - value (incl. imputed
OTHBUSV_BU_T	BU value of oth business (wpvbus) - imputation flag

### Wave 2 Financial:

BUSV_BU_I	BU value of business (wpbusv) - value (incl. imputed val
BUSV_BU_T	BU value of business (wpbusv) - imputation flag



<b>Value of ISA, PEPS, TESSA</b>
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Wave	Variable	Label	Type
1	H1AIRA	h1aira:w1 assets: ISA, PEPS, TESSA	Cont
2	H2AIRA	h2aira:w2 assets: ISA, PEPS, TESSA	Cont
3	H3AIRA	h3aira:w3 assets: ISA, PEPS, TESSA	Cont
4	H4AIRA	h4aira:w4 assets: ISA, PEPS, TESSA	Cont
5	H5AIRA	h5aira:w5 assets: ISA, PEPS, TESSA	Cont
6	H6AIRA	h6aira:w6 assets: ISA, PEPS, TESSA	Cont
7	H7AIRA	h7aira:w7 assets: ISA, PEPS, TESSA	Cont
8	H8AIRA	h8aira:w8 assets: ISA, PEPS, TESSA	Cont
9	H9AIRA	h9aira:w9 assets: ISA (without PEPS, TESSA)	Cont
1	H1AFIRA	h1afira:w1 asst flag: ISA, PEPS, TESSA	Categ
2	H2AFIRA	h2afira:w2 asst flag: ISA, PEPS, TESSA	Categ
3	H3AFIRA	h3afira:w3 asst flag: ISA, PEPS, TESSA	Categ
4	H4AFIRA	h4afira:w4 asst flag: ISA, PEPS, TESSA	Categ
5	H5AFIRA	h5afira:w5 asst flag: ISA, PEPS, TESSA	Categ
6	H6AFIRA	h6afira:w6 asst flag: ISA, PEPS, TESSA	Categ
7	H7AFIRA	h7afira:w7 asst flag: ISA, PEPS, TESSA	Categ
8	H8AFIRA	h8afira:w8 asst flag: ISA, PEPS, TESSA	Categ
9	H9AFIRA	h9afira:w9 asst flag: ISA (without PEPS, TESSA)	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AIRA	11891	9747.93	23694.78	0.00	558000.00
H2AIRA	9310	12011.08	27471.51	0.00	630672.00
H3AIRA	9518	13813.68	31888.46	0.00	606077.00
H4AIRA	10755	16246.42	36502.30	0.00	800000.00
H5AIRA	10043	19678.45	42854.25	0.00	700000.00
H6AIRA	10362	23131.36	49468.41	0.00	738230.00
H7AIRA	9417	28462.37	66056.45	0.00	1999994.00
H8AIRA	8301	32660.78	77145.68	0.00	1680000.00
H9AIRA	8579	34717.52	86322.24	0.00	1170000.00
H1AFIRA	12099	3.97	2.45	1.00	9.00
H2AFIRA	9432	3.63	2.49	1.00	9.00
H3AFIRA	9766	3.70	2.60	1.00	10.00
H4AFIRA	11050	3.53	2.60	1.00	10.00
H5AFIRA	10274	3.42	2.58	1.00	10.00
H6AFIRA	10601	3.40	2.58	1.00	10.00
H7AFIRA	9666	3.42	2.60	1.00	10.00
H8AFIRA	8445	3.36	2.54	1.00	10.00
H9AFIRA	8736	3.82	2.52	1.00	10.00

### Categorical Variable Codes

Value-----	H1AFIRA	H2AFIRA	H3AFIRA	H4AFIRA	H5AFIRA
1.continuous value	4283	4084	4318	5197	5076
2.closed range bracket	767	436	331	411	338
3.open range bracket	54	55	67	160	125
5.no value/bracket	766	581	456	544	556
6.no asset	5784	3996	3988	4016	3559
7.dk	237	158	358	427	389
9.non-responding spouse	208	122	197	227	159
10.institutional interview			51	68	72
Value-----	H6AFIRA	H7AFIRA	H8AFIRA	H9AFIRA	

1.continuous value	5299	4829	4219	3590
2.closed range bracket	273	235	225	190
3.open range bracket	191	166	194	222
5.no value/bracket	619	556	439	424
6.no asset	3578	3221	2963	3928
7.dk	402	410	261	225
9.non-responding spouse	164	185	86	103
10.institutional interview	75	64	58	54

## How Constructed

From Wave 1 to 8, HwAIRA is based on information from the derived variables (including imputations):

tessa\_bu\_i represents the total amount that the respondent and husband/wife/partner have in their TESSA (Tax Exempt Special Saving Account), including imputations.

cashisa\_bu\_i represents the total amount that the respondent and husband/wife/partner have in the cash components of their ISA(s) (A tax efficient saving plan that allows individuals in the UK to invest in a number of different ways: cash (including National Savings), Life Insurance and Equity Investments (unit trusts, OEICS, investment trusts, shares, etc.)), including imputations.

shisa\_bu\_i represents the total value of the stocks and shares component of the respondent and husband's/wife's/partner's ISA(s), including imputations.

pep\_bu\_i represents the net value of the respondent's and husband's/wife's/partner's Personal Equity Plan(s) (An investment plan in the UK that allows people over the age of 18 to invest in shares of UK companies), including imputations.

Net value of ISA, PEPS, TESSA is then constructed as the sum of the different components:

$(tessa\_bu\_i + cashisa\_bu\_i + shisa\_bu\_i + pep\_bu\_i)$

In Wave 9, HwAIRA is based on information from the derived variables (including imputations):

cashisa\_bu\_i, as described above; and

shisa\_bu\_i, as described above.

The questions based on the variables tessa\_bu\_i and pep\_bu\_i are no longer asked starting in Wave 9 and so their values are not included in the harmonized variable HwAIRA, which now represents only the net value of ISA, since the TESSA and PEP accounts they represented no longer exist in the UK. These kinds of accounts have been almost completely replaced by ISA accounts, specifically, in 1999 TESSA accounts were converted to cash ISA accounts and PEP accounts were converted to stock and shares ISA accounts. Therefore, the cross-wave variables are still comparable before and after Wave 9. In Wave 9, HwAIRA is constructed as the sum of the different components:

$(cashisa\_bu\_i + shisa\_bu\_i)$

These variables are derived at the "benefit unit" level. In ELSA this is a couple or a single person with any dependent children they may have. Therefore, the information reported is combined for those couples keeping finances separately in order to obtain a benefit unit definition. Imputations are not obtained for: 1) couples where neither member answers the IA module; 2) couples keeping separate finances where one member does not answer the IA module; 3) singles who do not answer the IA module; 4) respondents living in institutions starting in Wave 3. The net value of ISA, PEPS, TESSA takes value "missing", .m, in these cases. HwAIRA is set to blank missing (.) if the respondent did not participate in the current wave.

From Wave 1 to 8, HwAFIRA is a flag variable based on the original flag variables (tessa\_bu\_t, cashisa\_bu\_t, shisa\_bu\_t, pep\_bu\_t), indicating response types for the value of ISA, PEPS, TESSA. In Wave 9, HwAFIRA is a flag variable based only on the original flag variables (cashisa\_bu\_t, shisa\_bu\_t).

## Cross Wave Differences in ELSA

The net value of ISA, PEPs, and TESSA is asked at each wave, from Wave 1 to Wave 8. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include an interviewer check when a respondent reports having more than £40,000 in the cash component of their ISA or more than £100,000 in the stock and share component of their ISA. Wave 1 and 2 also include an interviewer check when a respondent reports expecting to receive more than £200,000 from the sale of their personal equity plan(s). Waves 1 and 2 also include an interviewer check when a respondent reports having more than £100,000 in their TESSA account(s). These checks are not included in the waves following Wave 2.

In Wave 9, only the net value of ISA is recorded in this variable. However, since TESSA and PEP accounts do not exist anymore and have almost completely been replaced by ISA accounts, the variables are still comparable throughout all the waves of ELSA.

## Differences with the RAND HRS/Harmonized HRS

Net value of ISA, PEPs, TESSA in ELSA is measured in nominal pounds, whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

## ELSA Variables Used

### Wave 1 Financial:

CASHISA\_BU\_I BU Cash ISA (iacisa) - value (incl. imputed values)  
 CASHISA\_BU\_T BU Cash ISA (iacisa) - imputation flag  
 PEP\_BU\_I BU PEPs (iaip) - value (incl. imputed values)  
 PEP\_BU\_T BU PEPs (iaip) - imputation flag  
 SHISA\_BU\_I BU Shares ISA (iasisa) - value (incl. imputed values)  
 SHISA\_BU\_T BU Shares ISA (iasisa) - imputation flag  
 TESSA\_BU\_I BU TESSA (iati) - value (incl. imputed values)  
 TESSA\_BU\_T BU TESSA (iati) - imputation flag

### Wave 2 Financial:

CASHISA\_BU\_I BU Cash ISA (iacisa) - value (incl. imputed values)  
 CASHISA\_BU\_T BU Cash ISA (iacisa) - imputation flag  
 PEP\_BU\_I BU PEPs (iaip) - value (incl. imputed values)  
 PEP\_BU\_T BU PEPs (iaip) - imputation flag  
 SHISA\_BU\_I BU Shares ISA (iasisa) - value (incl. imputed values)  
 SHISA\_BU\_T BU Shares ISA (iasisa) - imputation flag  
 TESSA\_BU\_I BU TESSA (iati) - value (incl. imputed values)  
 TESSA\_BU\_T BU TESSA (iati) - imputation flag

### Wave 3 Financial:

CASHISA\_BU\_I BU Cash ISA (iacisa) - value (incl. imputed values)  
 CASHISA\_BU\_T BU Cash ISA (iacisa) - imputation flag  
 PEP\_BU\_I BU PEPs (iaip) - value (incl. imputed values)  
 PEP\_BU\_T BU PEPs (iaip) - imputation flag  
 SHISA\_BU\_I BU Shares ISA (iasisa) - value (incl. imputed values)  
 SHISA\_BU\_T BU Shares ISA (iasisa) - imputation flag  
 TESSA\_BU\_I BU TESSA (iati) - value (incl. imputed values)  
 TESSA\_BU\_T BU TESSA (iati) - imputation flag

### Wave 4 Financial:

CASHISA\_BU\_I BU Cash ISA (iacisa) - value (incl. imputed values)  
 CASHISA\_BU\_T BU Cash ISA (iacisa) - imputation flag  
 PEP\_BU\_I BU PEPs (iaip) - value (incl. imputed values)  
 PEP\_BU\_T BU PEPs (iaip) - imputation flag  
 SHISA\_BU\_I BU Shares ISA (iasisa) - value (incl. imputed values)  
 SHISA\_BU\_T BU Shares ISA (iasisa) - imputation flag  
 TESSA\_BU\_I BU TESSA (iati) - value (incl. imputed values)  
 TESSA\_BU\_T BU TESSA (iati) - imputation flag

### Wave 5 Financial:

CASHISA\_BU\_I BU Cash ISA (iacisa) - value (incl. imputed values)  
 CASHISA\_BU\_T BU Cash ISA (iacisa) - imputation flag  
 PEP\_BU\_I BU PEPs (iaip) - value (incl. imputed values)

PEP\_BU\_T BU PEPs (iaip) - imputation flag  
SHISA\_BU\_I BU Shares ISA (iasisa) - value (incl. imputed values)  
SHISA\_BU\_T BU Shares ISA (iasisa) - imputation flag  
TESSA\_BU\_I BU TESSA (iati) - value (incl. imputed values)  
TESSA\_BU\_T BU TESSA (iati) - imputation flag

Wave 6 Financial:  
CASHISA\_BU\_I BU Cash ISA (iacisa) - value (incl. imputed values)  
CASHISA\_BU\_T BU Cash ISA (iacisa) - imputation flag  
PEP\_BU\_I BU PEPs (iaip) - value (incl. imputed values)  
PEP\_BU\_T BU PEPs (iaip) - imputation flag  
SHISA\_BU\_I BU Shares ISA (iasisa) - value (incl. imputed values)  
SHISA\_BU\_T BU Shares ISA (iasisa) - imputation flag  
TESSA\_BU\_I BU TESSA (iati) - value (incl. imputed values)  
TESSA\_BU\_T BU TESSA (iati) - imputation flag

Wave 7 Financial:  
CASHISA\_BU\_I BU Cash ISA (iacisa) - value (incl. imputed values)  
CASHISA\_BU\_T BU Cash ISA (iacisa) - imputation flag  
PEP\_BU\_I BU PEPs (iaip) - value (incl. imputed values)  
PEP\_BU\_T BU PEPs (iaip) - imputation flag  
SHISA\_BU\_I BU Shares ISA (iasisa) - value (incl. imputed values)  
SHISA\_BU\_T BU Shares ISA (iasisa) - imputation flag  
TESSA\_BU\_I BU TESSA (iati) - value (incl. imputed values)  
TESSA\_BU\_T BU TESSA (iati) - imputation flag

Wave 8 Financial:  
CASHISA\_BU\_I BU Cash ISA (iacisa) - value (incl. imputed values)  
CASHISA\_BU\_T BU Cash ISA (iacisa) - imputation flag  
PEP\_BU\_I BU PEPs (iaip) - value (incl. imputed values)  
PEP\_BU\_T BU PEPs (iaip) - imputation flag  
SHISA\_BU\_I BU Shares ISA (iasisa) - value (incl. imputed values)  
SHISA\_BU\_T BU Shares ISA (iasisa) - imputation flag  
TESSA\_BU\_I BU TESSA (iati) - value (incl. imputed values)  
TESSA\_BU\_T BU TESSA (iati) - imputation flag

Wave 9 Financial:  
CASHISA\_BU\_I BU Cash ISA (iacisa) - value (incl. imputed values)  
CASHISA\_BU\_T BU Cash ISA (iacisa) - imputation flag  
SHISA\_BU\_I BU Shares ISA (iasisa) - value (incl. imputed values)  
SHISA\_BU\_T BU Shares ISA (iasisa) - imputation flag



### Net Value of Stocks, Shares, and Investment Funds

Wave	Variable	Label	Type
1	H1ASTCK	h1astck:w1 assets: stocks	Cont
2	H2ASTCK	h2astck:w2 assets: stocks	Cont
3	H3ASTCK	h3astck:w3 assets: stocks	Cont
4	H4ASTCK	h4astck:w4 assets: stocks	Cont
5	H5ASTCK	h5astck:w5 assets: stocks	Cont
6	H6ASTCK	h6astck:w6 assets: stocks	Cont
7	H7ASTCK	h7astck:w7 assets: stocks	Cont
8	H8ASTCK	h8astck:w8 assets: stocks	Cont
9	H9ASTCK	h9astck:w9 assets: stocks	Cont
1	H1AFSTCK	h1afstck:w1 asst flag: stocks	Categ
2	H2AFSTCK	h2afstck:w2 asst flag: stocks	Categ
3	H3AFSTCK	h3afstck:w3 asst flag: stocks	Categ
4	H4AFSTCK	h4afstck:w4 asst flag: stocks	Categ
5	H5AFSTCK	h5afstck:w5 asst flag: stocks	Categ
6	H6AFSTCK	h6afstck:w6 asst flag: stocks	Categ
7	H7AFSTCK	h7afstck:w7 asst flag: stocks	Categ
9	H9AFSTCK	h9afstck:w9 asst flag: stocks	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ASTCK	11891	10442.50	69972.18	0.00	3015000.00
H2ASTCK	9310	13626.78	112566.00	0.00	6000000.00
H3ASTCK	9518	15822.91	101650.26	0.00	3300000.00
H4ASTCK	10755	17412.48	154916.50	0.00	5500000.00
H5ASTCK	10043	15748.25	87865.81	0.00	3000000.00
H6ASTCK	10362	23399.92	203553.82	0.00	8000000.00
H7ASTCK	9417	22829.59	150488.52	0.00	5150000.00
H8ASTCK	8301	26749.23	138017.13	0.00	5100000.00
H9ASTCK	8579	26755.90	133351.24	0.00	3000000.00
H1AFSTCK	12099	4.55	2.28	1.00	9.00
H2AFSTCK	9432	4.49	2.29	1.00	9.00
H3AFSTCK	9766	4.61	2.33	1.00	10.00
H4AFSTCK	11050	4.70	2.29	1.00	10.00
H5AFSTCK	10274	4.71	2.27	1.00	10.00
H6AFSTCK	10601	4.76	2.25	1.00	10.00
H7AFSTCK	9666	4.80	2.25	1.00	10.00
H9AFSTCK	8736	4.80	2.19	1.00	10.00

### Categorical Variable Codes

Value-----	H1AFSTCK	H2AFSTCK	H3AFSTCK	H4AFSTCK	H5AFSTCK
1.continuous value	2917	2459	2515	2594	2423
2.closed range bracket	738	464	336	450	353
3.open range bracket	86	57	41	74	77
5.no value/bracket	561	401	457	575	472
6.no asset	7380	5795	6023	6865	6544
7.dk	209	134	146	197	174
9.non-responding spouse	208	122	197	227	159
10.institutional interview			51	68	72
Value-----	H6AFSTCK	H7AFSTCK	H9AFSTCK		
1.continuous value	2414	2197	1902		
2.closed range bracket	342	259	251		

3.open range bracket	79	73	95
5.no value/bracket	463	450	374
6.no asset	6831	6204	5818
7.dk	233	234	139
9.non-responding spouse	164	185	103
10.institutional interview	75	64	54

## How Constructed

HwASTCK is based on information from the derived variables (including imputations):

shares\_bu\_i represents the total value of the respondent's and husband's/wife's/partner's stocks and shares, including imputations.

trusts\_bu\_i represents the total value of the respondent's and husband's/wife's/partner's trusts or investment trusts, including imputations.

Net value of stocks, shares, investment trusts is then constructed as the sum of the different components:

(shares\_bu\_i + trusts\_bu\_i)

This variable is derived at the "benefit unit" level. In ELSA this is a couple or a single person with any dependent children they may have. Therefore, the information reported is combined for those couples keeping finances separately in order to obtain a benefit unit definition. Imputations are not obtained for: 1) couples where neither member answers the IA module; 2) couples keeping separate finances where one member does not answer the IA module; 3) singles who do not answer the IA module; 4) respondents living in institutions starting in Wave 3. The net value of stocks, shares, investment trusts takes value "missing", .m, in these cases. HwASTCK is set to blank missing (.) if the respondent did not participate in the current wave.

HwAFSTCK is a flag variable based on the original flag variables (shares\_bu\_t, trusts\_bu\_t), indicating response types for the value of stocks, shares, investment trusts.

## Cross Wave Differences in ELSA

The net value of stocks, shares, and investment trusts is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include an interviewer check when a respondent reports expecting to receive more than £200,000 from the sale of their stocks or shares. Waves 1 and 2 include an interviewer check when a respondent reports expecting to receive more than £400,000 from the sale of their unit or investment trust(s). These checks are not included in the waves following Wave 2.

## Differences with the RAND HRS/Harmonized HRS

Net value of stocks, shares, and investment trusts in ELSA is measured in nominal pounds, whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

## ELSA Variables Used

### Wave 1 Financial:

SHARES\_BU\_I BU Shares (iasss) - value (incl. imputed values)  
 SHARES\_BU\_T BU Shares (iasss) - imputation flag  
 TRUSTS\_BU\_I BU Trusts (iauit) - value (incl. imputed values)  
 TRUSTS\_BU\_T BU Trusts (iauit) - imputation flag

### Wave 2 Financial:

SHARES\_BU\_I BU Shares (iasss) - value (incl. imputed values)  
 SHARES\_BU\_T BU Shares (iasss) - imputation flag  
 TRUSTS\_BU\_I BU Trusts (iauit) - value (incl. imputed values)  
 TRUSTS\_BU\_T BU Trusts (iauit) - imputation flag

Wave 3 Financial:  
SHARES\_BU\_I BU Shares (iasss) - value (incl. imputed values)  
SHARES\_BU\_T BU Shares (iasss) - imputation flag  
TRUSTS\_BU\_I BU Trusts (iauit) - value (incl. imputed values)  
TRUSTS\_BU\_T BU Trusts (iauit) - imputation flag

Wave 4 Financial:  
SHARES\_BU\_I BU Shares (iasss) - value (incl. imputed values)  
SHARES\_BU\_T BU Shares (iasss) - imputation flag  
TRUSTS\_BU\_I BU Trusts (iauit) - value (incl. imputed values)  
TRUSTS\_BU\_T BU Trusts (iauit) - imputation flag

Wave 5 Financial:  
SHARES\_BU\_I BU Shares (iasss) - value (incl. imputed values)  
SHARES\_BU\_T BU Shares (iasss) - imputation flag  
TRUSTS\_BU\_I BU Trusts (iauit) - value (incl. imputed values)  
TRUSTS\_BU\_T BU Trusts (iauit) - imputation flag

Wave 6 Financial:  
SHARES\_BU\_I BU Shares (iasss) - value (incl. imputed values)  
SHARES\_BU\_T BU Shares (iasss) - imputation flag  
TRUSTS\_BU\_I BU Trusts (iauit) - value (incl. imputed values)  
TRUSTS\_BU\_T BU Trusts (iauit) - imputation flag

Wave 7 Financial:  
SHARES\_BU\_I BU Shares (iasss) - value (incl. imputed values)  
SHARES\_BU\_T BU Shares (iasss) - imputation flag  
TRUSTS\_BU\_I BU Trusts (iauit) - value (incl. imputed values)  
TRUSTS\_BU\_T BU Trusts (iauit) - imputation flag

Wave 8 Financial:  
SHARES\_BU\_I BU Shares (iasss) - value (incl. imputed values)  
SHARES\_BU\_T BU Shares (iasss) - imputation flag  
TRUSTS\_BU\_I BU Trusts (iauit) - value (incl. imputed values)  
TRUSTS\_BU\_T BU Trusts (iauit) - imputation flag

Wave 9 Financial:  
SHARES\_BU\_I BU Shares (iasss) - value (incl. imputed values)  
SHARES\_BU\_T BU Shares (iasss) - imputation flag  
TRUSTS\_BU\_I BU Trusts (iauit) - value (incl. imputed values)  
TRUSTS\_BU\_T BU Trusts (iauit) - imputation flag

<b>Value of Checking, Savings Accounts</b>
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Wave	Variable	Label	Type
1	H1ACHCK	h1achck:w1 assets: current,savings acct	Cont
2	H2ACHCK	h2achck:w2 assets: current,savings acct	Cont
3	H3ACHCK	h3achck:w3 assets: current,savings acct	Cont
4	H4ACHCK	h4achck:w4 assets: current,savings acct	Cont
5	H5ACHCK	h5achck:w5 assets: current,savings acct	Cont
6	H6ACHCK	h6achck:w6 assets: current,savings acct	Cont
7	H7ACHCK	h7achck:w7 assets: current,savings acct	Cont
8	H8ACHCK	h8achck:w8 assets: current,savings acct	Cont
9	H9ACHCK	h9achck:w9 assets: current,savings acct	Cont
1	H1AFCHCK	h1afchck:w1 asst flag: current,savings acct	Categ
2	H2AFCHCK	h2afchck:w2 asst flag: current,savings acct	Categ
3	H3AFCHCK	h3afchck:w3 asst flag: current,savings acct	Categ
4	H4AFCHCK	h4afchck:w4 asst flag: current,savings acct	Categ
5	H5AFCHCK	h5afchck:w5 asst flag: current,savings acct	Categ
6	H6AFCHCK	h6afchck:w6 asst flag: current,savings acct	Categ
7	H7AFCHCK	h7afchck:w7 asst flag: current,savings acct	Categ
8	H8AFCHCK	h8afchck:w8 asst flag: current,savings acct	Categ
9	H9AFCHCK	h9afchck:w9 asst flag: current,savings acct	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ACHCK	11891	14320.53	37543.88	0.00	1132000.00
H2ACHCK	9310	18025.31	49829.46	0.00	1500000.00
H3ACHCK	9518	19892.47	62447.63	0.00	2300000.00
H4ACHCK	10755	27575.34	107555.99	0.00	3500000.00
H5ACHCK	10043	25856.00	93905.19	0.00	4000000.00
H6ACHCK	10362	25910.90	83209.52	0.00	2750000.00
H7ACHCK	9417	26499.75	65506.41	0.00	1401000.00
H8ACHCK	8301	35536.84	93014.89	0.00	3038000.00
H9ACHCK	8579	41113.59	121819.85	0.00	3668000.00
H1AFCHCK	12099	2.05	1.98	1.00	9.00
H2AFCHCK	9432	1.91	1.89	1.00	9.00
H3AFCHCK	9766	2.12	2.12	1.00	10.00
H4AFCHCK	11050	2.06	2.09	1.00	10.00
H5AFCHCK	10274	2.00	2.02	1.00	10.00
H6AFCHCK	10601	2.06	2.07	1.00	10.00
H7AFCHCK	9666	2.04	2.08	1.00	10.00
H8AFCHCK	8445	1.82	1.86	1.00	10.00
H9AFCHCK	8736	1.85	1.85	1.00	10.00

### Categorical Variable Codes

Value-----	H1AFCHCK	H2AFCHCK	H3AFCHCK	H4AFCHCK	H5AFCHCK
1.continuous value	8514	7182	7097	8146	7630
2.closed range bracket	1166	537	565	633	613
3.open range bracket	165	143	132	207	203
5.no value/bracket	856	561	707	785	768
6.no asset	983	753	867	783	663
7.dk	207	134	150	201	166
9.non-responding spouse	208	122	197	227	159
10.institutional interview			51	68	72
Value-----	H6AFCHCK	H7AFCHCK	H8AFCHCK	H9AFCHCK	

1.continuous value	7834	7196	6685	6717
2.closed range bracket	585	504	374	521
3.open range bracket	186	184	166	226
5.no value/bracket	781	759	543	613
6.no asset	739	542	374	365
7.dk	237	232	159	137
9.non-responding spouse	164	185	86	103
10.institutional interview	75	64	58	54

## How Constructed

HwACHCK is based on information from the derived variables (including imputations):

save\_bu\_i represents the total amount that the respondent and husband/wife/partner have in a current and/or savings account at the bank, building society or elsewhere, including imputations.

nsav\_bu\_i represents the total amount that the respondent and husband/wife/partner have in National Savings Accounts or Certificates, including imputations.

Net value of current, savings account is then constructed as the sum of the different components:

(save\_bu\_i + nsav\_bu\_i)

This variable is derived at the "benefit unit" level. In ELSA this is a couple or a single person with any dependent children they may have. Therefore, the information reported is combined for those couples keeping finances separately in order to obtain a benefit unit definition. Imputations are not obtained for: 1) couples where neither member answers the IA module; 2) couples keeping separate finances where one member does not answer the IA module; 3) singles who do not answer the IA module; 4) respondents living in institutions starting in Wave 3. The net value of current, savings account takes value "missing", .m, in these cases. HwACHCK is set to blank missing (.) if the respondent did not participate in the current wave.

HwAFCHCK is a flag variable based on the original flag variables (save\_bu\_t, nsav\_bu\_t), indicating response types for the value of current, savings account.

## Cross Wave Differences in ELSA

The net value of current and savings account is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include an interviewer check when a respondent reports having more than £200,000 in their National Savings Accounts or Certificates. Waves 1 and 2 also include an interviewer check when a respondent reports having more than £300,000 in their current savings account. These checks are not included in the waves following Wave 2.

## Differences with the RAND HRS/Harmonized HRS

Net value of current and savings account in ELSA is measured in nominal pounds, whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

## ELSA Variables Used

Wave 1 Financial:

NSAV\_BU\_I BU National Savings a/cs (ians) - value (incl. imputed v  
 NSAV\_BU\_T BU National Savings a/cs (ians) - imputation flag  
 SAVE\_BU\_I BU current/savings a/cs (iasava) - value (incl. imputed  
 SAVE\_BU\_T BU current/savings a/cs (iasava) - imputation flag

Wave 2 Financial:

NSAV\_BU\_I BU National Savings a/cs (ians) - value (incl. imputed v  
 NSAV\_BU\_T BU National Savings a/cs (ians) - imputation flag  
 SAVE\_BU\_I BU current/savings a/cs (iasava) - value (incl. imputed  
 SAVE\_BU\_T BU current/savings a/cs (iasava) - imputation flag

Wave 3 Financial:

NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
Wave 4 Financial:	
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
Wave 5 Financial:	
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
Wave 6 Financial:	
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
Wave 7 Financial:	
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
Wave 8 Financial:	
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
Wave 9 Financial:	
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag

<b>Net Value of Bonds and Bond Funds</b>
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Wave	Variable	Label	Type
1	H1ABOND	h1abond:w1 assets: bonds	Cont
2	H2ABOND	h2abond:w2 assets: bonds	Cont
3	H3ABOND	h3abond:w3 assets: bonds	Cont
4	H4ABOND	h4abond:w4 assets: bonds	Cont
5	H5ABOND	h5abond:w5 assets: bonds	Cont
6	H6ABOND	h6abond:w6 assets: bonds	Cont
7	H7ABOND	h7abond:w7 assets: bonds	Cont
8	H8ABOND	h8abond:w8 assets: bonds	Cont
9	H9ABOND	h9abond:w9 assets: bonds	Cont
1	H1AFBOND	h1afbond:w1 asst flag: bonds	Categ
2	H2AFBOND	h2afbond:w2 asst flag: bonds	Categ
3	H3AFBOND	h3afbond:w3 asst flag: bonds	Categ
4	H4AFBOND	h4afbond:w4 asst flag: bonds	Categ
5	H5AFBOND	h5afbond:w5 asst flag: bonds	Categ
6	H6AFBOND	h6afbond:w6 asst flag: bonds	Categ
7	H7AFBOND	h7afbond:w7 asst flag: bonds	Categ
8	H8AFBOND	h8afbond:w8 asst flag: bonds	Categ
9	H9AFBOND	h9afbond:w9 asst flag: bonds	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ABOND	11891	4060.78	17573.69	0.00	380000.00
H2ABOND	9310	5890.17	24090.13	0.00	580000.00
H3ABOND	9518	6136.65	22657.56	0.00	450000.00
H4ABOND	10755	6577.91	24169.90	0.00	450001.00
H5ABOND	10043	7740.42	29048.03	0.00	850050.00
H6ABOND	10362	7989.89	30247.78	0.00	700000.00
H7ABOND	9417	8447.87	33408.22	0.00	805000.00
H8ABOND	8301	9283.19	33202.98	0.00	800000.00
H9ABOND	8579	10297.89	41439.35	0.00	1000000.00
H1AFBOND	12099	4.26	2.45	1.00	9.00
H2AFBOND	9432	4.03	2.49	1.00	9.00
H3AFBOND	9766	4.08	2.55	1.00	10.00
H4AFBOND	11050	4.15	2.54	1.00	10.00
H5AFBOND	10274	4.08	2.54	1.00	10.00
H6AFBOND	10601	4.15	2.52	1.00	10.00
H7AFBOND	9666	4.17	2.54	1.00	10.00
H8AFBOND	8445	4.09	2.52	1.00	10.00
H9AFBOND	8736	4.20	2.48	1.00	10.00

### Categorical Variable Codes

Value-----	H1AFBOND	H2AFBOND	H3AFBOND	H4AFBOND	H5AFBOND
1.continuous value	4109	3651	3757	4090	3965
2.closed range bracket	223	127	126	153	115
3.open range bracket	34	32	24	64	33
5.no value/bracket	345	244	309	357	335
6.no asset	6971	5122	5152	5890	5417
7.dk	209	134	150	201	178
9.non-responding spouse	208	122	197	227	159
10.institutional interview			51	68	72
Value-----	H6AFBOND	H7AFBOND	H8AFBOND	H9AFBOND	

1.continuous value	3927	3591	3215	3119
2.closed range bracket	109	94	77	92
3.open range bracket	62	43	46	46
5.no value/bracket	369	294	230	245
6.no asset	5656	5157	4572	4938
7.dk	239	238	161	139
9.non-responding spouse	164	185	86	103
10.institutional interview	75	64	58	54

## How Constructed

HwABOND is based on information from the derived variables (including imputations):

prbonds\_bu\_i represents the total amount that the respondent and husband/wife/partner have in premium bonds, including imputations.

bonds\_bu\_i represents the total value of the respondent's and husband's/wife's/partner's bonds and gilts, including imputations.

Net value of bonds is then constructed as the sum of the different bond components:

(prbonds\_bu\_i + bonds\_bu\_i)

This variable is derived at the "benefit unit" level. In ELSA this is a couple or a single person with any dependent children they may have. Therefore, the information reported is combined for those couples keeping finances separately in order to obtain a benefit unit definition. Imputations are not obtained for: 1) couples where neither member answers the IA module; 2) couples keeping separate finances where one member does not answer the IA module; 3) singles who do not answer the IA module; 4) respondents living in institutions starting in Wave 3. The net value of bonds takes value "missing", .m, in these cases. HwABOND is set to blank missing (.) if the respondent did not participate in the current wave.

HwAFBOND is a flag variable based on the original flag variables (prbonds\_bu\_t, bonds\_bu\_t), indicating response types for the value of bonds.

## Cross Wave Differences in ELSA

The net value of bonds is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include an interviewer check when a respondent reports expecting to receive more than £200,000 from the sale of their bonds and gilts. Waves 1 and 2 also include an interviewer check when a respondent reports having more than £10,000 in premium bonds. These checks are not included in the waves following Wave 2.

## Differences with the RAND HRS/Harmonized HRS

Net value of bonds in ELSA is measured in nominal pounds whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

## ELSA Variables Used

Wave 1 Financial:

BONDS\_BU\_I BU Bonds and Gilts (iabg) - value (incl. imputed values)  
 BONDS\_BU\_T BU Bonds and Gilts (iabg) - imputation flag  
 PRBONDS\_BU\_I BU Premium Bonds (ianpb) - value (incl. imputed values)  
 PRBONDS\_BU\_T BU Premium Bonds (ianpb) - imputation flag

Wave 2 Financial:

BONDS\_BU\_I BU Bonds and Gilts (iabg) - value (incl. imputed values)  
 BONDS\_BU\_T BU Bonds and Gilts (iabg) - imputation flag  
 PRBONDS\_BU\_I BU Premium Bonds (ianpb) - value (incl. imputed values)  
 PRBONDS\_BU\_T BU Premium Bonds (ianpb) - imputation flag

Wave 3 Financial:

BONDS\_BU\_I BU Bonds and Gilts (iabg) - value (incl. imputed values)



BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
Wave 4 Financial:	
BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
Wave 5 Financial:	
BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
Wave 6 Financial:	
BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
Wave 7 Financial:	
BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
Wave 8 Financial:	
BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
Wave 9 Financial:	
BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag

<b>Value of Other Debt</b>
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Wave	Variable	Label	Type
1	H1ADEBT	h1adebt:w1 assets: debts	Cont
2	H2ADEBT	h2adebt:w2 assets: debts	Cont
3	H3ADEBT	h3adebt:w3 assets: debts	Cont
4	H4ADEBT	h4adebt:w4 assets: debts	Cont
5	H5ADEBT	h5adebt:w5 assets: debts	Cont
6	H6ADEBT	h6adebt:w6 assets: debts	Cont
7	H7ADEBT	h7adebt:w7 assets: debts	Cont
8	H8ADEBT	h8adebt:w8 assets: debts	Cont
9	H9ADEBT	h9adebt:w9 assets: debts	Cont
1	H1AFDEBT	h1afdebt:w1 asst flag: debts	Categ
2	H2AFDEBT	h2afdebt:w2 asst flag: debts	Categ
3	H3AFDEBT	h3afdebt:w3 asst flag: debts	Categ
4	H4AFDEBT	h4afdebt:w4 asst flag: debts	Categ
5	H5AFDEBT	h5afdebt:w5 asst flag: debts	Categ
6	H6AFDEBT	h6afdebt:w6 asst flag: debts	Categ
7	H7AFDEBT	h7afdebt:w7 asst flag: debts	Categ
8	H8AFDEBT	h8afdebt:w8 asst flag: debts	Categ
9	H9AFDEBT	h9afdebt:w9 asst flag: debts	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ADEBT	11891	1470.41	5420.59	0.00	160000.00
H2ADEBT	9310	1447.57	4743.89	0.00	75000.00
H3ADEBT	9518	1952.53	6359.78	0.00	140000.00
H4ADEBT	10755	1952.71	6777.79	0.00	120000.00
H5ADEBT	10043	1601.74	5807.92	0.00	111000.00
H6ADEBT	10362	1669.24	5642.52	0.00	90000.00
H7ADEBT	9417	1612.85	5572.45	0.00	112000.00
H8ADEBT	8301	1579.66	5577.95	0.00	90000.00
H9ADEBT	8579	1974.97	6554.14	0.00	126000.00
H1AFDEBT	12099	4.45	2.39	1.00	9.00
H2AFDEBT	9432	4.59	2.31	1.00	9.00
H3AFDEBT	9766	4.61	2.38	1.00	10.00
H4AFDEBT	11050	4.73	2.33	1.00	10.00
H5AFDEBT	10274	4.90	2.21	1.00	10.00
H6AFDEBT	10601	4.90	2.21	1.00	10.00
H7AFDEBT	9666	4.96	2.19	1.00	10.00
H8AFDEBT	8445	4.97	2.14	1.00	10.00
H9AFDEBT	8736	4.91	2.17	1.00	10.00

### Categorical Variable Codes

Value-----	H1AFDEBT	H2AFDEBT	H3AFDEBT	H4AFDEBT	H5AFDEBT
1.continuous value	3746	2658	2796	2905	2346
2.closed range bracket	155	76	76	92	65
3.open range bracket	18	10	19	19	12
5.no value/bracket	82	104	86	72	75
6.no asset	7781	6422	6472	7596	7492
7.dk	109	40	69	71	53
9.non-responding spouse	208	122	197	227	159
10.institutional interview			51	68	72
Value-----	H6AFDEBT	H7AFDEBT	H8AFDEBT	H9AFDEBT	

1.continuous value	2423	2117	1786	1931
2.closed range bracket	69	64	61	72
3.open range bracket	12	9	16	15
5.no value/bracket	83	55	41	77
6.no asset	7692	7115	6347	6462
7.dk	83	57	50	22
9.non-responding spouse	164	185	86	103
10.institutional interview	75	64	58	54

## How Constructed

HwADEBT is based on information from the derived variables (including imputations):

ccard\_bu\_i represents the outstanding balance on credit cards or store cards after the last monthly payment was made, including imputations.

prdebt\_bu\_i represents the total amount that the respondent and husband/wife/partner owe to friends, relatives, or other private individuals, including imputations.

odebt\_bu\_i represents the total amount that the respondent and husband/wife/partner owe in: hire purchase agreements, personal loans (from bank, building society or other financial institution), overdraft, catalogue or mail order purchase agreements, DSS Social fund loan or Loan from a money lender or "tally man", including imputations.

Net value of other debt is then constructed as the sum of the different debt components:

(ccard\_bu\_i + prdebt\_bu\_i + odebt\_bu\_i)

This variable is derived at the "benefit unit" level. In ELSA this is a couple or a single person with any dependent children they may have. Therefore, the information reported is combined for those couples keeping finances separately in order to obtain a benefit unit definition. Imputations are not obtained for: 1) couples where neither member answers the IA module; 2) couples keeping separate finances where one member does not answer the IA module; 3) singles who do not answer the IA module; 4) respondents living in institutions starting in Wave 3. The net value of other debt takes value "missing", .m, in these cases. HwADEBT is set to blank missing (.) if the respondent did not participate in the current wave.

HwAFDEBT is a flag variable based on the original flag variables (ccard\_bu\_t, prdebt\_bu\_t, odebt\_bu\_t), indicating response types for the value of other debt.

## Cross Wave Differences in ELSA

The net value of other debt is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include an interviewer check when a respondent reports having an outstanding balance on their credit or store cards larger than £50,000. Waves 1 and 2 also include an interviewer check when a respondent reports owing more than £50,000 on other loans and debt. Waves 1 and 2 also include an interviewer check when a respondent reports owing more than £50,000 to friends or relatives. These checks are not included in the waves following Wave 2.

## Differences with the RAND HRS/Harmonized HRS

Net value of other debt in ELSA is measured in nominal pounds, whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

## ELSA Variables Used

Wave 1 Financial:

CCARD_BU_I	BU credit card debt (iadebm) - value (incl. imputed valu
CCARD_BU_T	BU credit card debt (iadebm) - imputation flag
ODEBT_BU_I	BU other loans and debt (ialoam) - value (incl. imputed
ODEBT_BU_T	BU other loans and debt (ialoam) - imputation flag



<b>Whether Owns Home</b>
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Wave	Variable	Label	Type
1	H1AHOWN	h1ahown:w1 whether own home	Categ
2	H2AHOWN	h2ahown:w2 whether own home	Categ
3	H3AHOWN	h3ahown:w3 whether own home	Categ
4	H4AHOWN	h4ahown:w4 whether own home	Categ
5	H5AHOWN	h5ahown:w5 whether own home	Categ
6	H6AHOWN	h6ahown:w6 whether own home	Categ
7	H7AHOWN	h7ahown:w7 whether own home	Categ
8	H8AHOWN	h8ahown:w8 whether own home	Categ
9	H9AHOWN	h9ahown:w9 whether own home	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AHOWN	12044	0.78	0.41	0.00	1.00
H2AHOWN	9414	0.80	0.40	0.00	1.00
H3AHOWN	9665	0.81	0.39	0.00	1.00
H4AHOWN	10961	0.82	0.38	0.00	1.00
H5AHOWN	10188	0.83	0.38	0.00	1.00
H6AHOWN	10513	0.83	0.38	0.00	1.00
H7AHOWN	9600	0.83	0.38	0.00	1.00
H8AHOWN	8375	0.83	0.37	0.00	1.00
H9AHOWN	8668	0.83	0.38	0.00	1.00

### Categorical Variable Codes

Value-----	H1AHOWN	H2AHOWN	H3AHOWN	H4AHOWN	H5AHOWN
.d:DK	6	9	9	9	9
.m:Missing	44	9	92	78	77
.r:Refuse	5			2	
0.don't own home	2616	1843	1839	1972	1782
1.own home	9428	7571	7826	8989	8406

Value-----	H6AHOWN	H7AHOWN	H8AHOWN	H9AHOWN
.d:DK	9	7	9	5
.m:Missing	79	57	61	59
.r:Refuse		2		4
0.don't own home	1816	1657	1405	1481
1.own home	8697	7943	6970	7187

### How Constructed

HwAHOWN indicates whether the respondent and/or spouse owns their current residence, at least in part. As part of the housing module, the housing respondent is asked whether the current accommodation is owned, rented, or occupied and are given the following options: the current residence is owned outright, buying it with the help of a mortgage or loan, pay part rent and part mortgage, rent it, live here rent free, or squatting. A value of 0 indicates that the couple does not report owning a home, meaning they either rent (without also paying part of a mortgage), live there rent free, or are squatting. A value of 1 indicates that the couple does report owning a home, meaning they either own it outright, are buying it with a mortgage or loan, or pay rent and pay part of a mortgage. Don't know, refused, or other missing responses of HwAHOWN are assigned special missing codes .d, .r, .m, respectively. HwAHOWN is set to blank missing (.) if the respondent did not participate in the current wave.

HwAHOWN is derived at the benefit unit level using information about house ownership. Even though the question about home ownership refers to the whole household, HwAHOWN instead refers to the couple, a respondent and any spouse. This household to couple-level transformation is based on information collected in the original variables howhn01, howhn02, howhn03, howhn04 in Wave 1, in the variables

howhn01, howhn02, howhn03, howhn04, howhn05 in Wave 2, in the variables howh1, howh2, howh3, howh4, howh5, howh6, howh7, howh8, howh9, howh10, howh11, howh12 in Waves 3 and 4, and in the variables howh1, howh2, howh3, howh4, howh5, howh6, howh7, howh8, howh9, howh10, howh11, howh12, howh13, howh14, howh15, howh16 in Wave 5 and forward.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

This variable is not available in the RAND HRS, but the same variable can be constructed from the HRS.

## ELSA Variables Used

### Wave 1 Core:

HOTENU	in which of these ways does your household occupy this a
HOWHN01	in whose name is the accommodation owned or rented (1st
HOWHN02	in whose name is the accommodation owned or rented (2nd
HOWHN03	in whose name is the accommodation owned or rented (3rd
HOWHN04	in whose name is the accommodation owned or rented (4th
IDAHHW1	analytical wave-specific household serial number
PERID	person id (same as person number in household grid)

### Wave 1 Financial:

COUPID	couple id - splits couples where one member in an instit
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### Wave 2 Core:

HOTENU	Tenure
HOWHN01	In whose name is the accommodation owned or rented (1st
HOWHN02	In whose name is the accommodation owned or rented (2nd
HOWHN03	In whose name is the accommodation owned or rented (3rd
HOWHN04	In whose name is the accommodation owned or rented (4th
HOWHN05	In whose name is the accommodation owned or rented (5th m
IDAHHW2	W2 household analytical serial number
PERSNO	Person number

### Wave 2 Financial:

COUPID	couple id - splits couples where one member in an instit
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### Wave 3 Core:

HOTENU	tenure
HOWH1	in whose name is accomodation owned or rented - person 1
HOWH10	in whose name is accomodation owned or rented - person 1
HOWH11	in whose name is accomodation owned or rented - person 1
HOWH12	in whose name is accomodation owned or rented - person 1
HOWH2	in whose name is accomodation owned or rented - person 2
HOWH3	in whose name is accomodation owned or rented - person 3
HOWH4	in whose name is accomodation owned or rented - person 4
HOWH5	in whose name is accomodation owned or rented - person 5
HOWH6	in whose name is accomodation owned or rented - person 6
HOWH7	in whose name is accomodation owned or rented - person 7
HOWH8	in whose name is accomodation owned or rented - person 8
HOWH9	in whose name is accomodation owned or rented - person 9
IDAHHW3	w3 household analytical serial number
PERID	person number in the household

### Wave 3 Financial:

COUPID	couple id - splits couples where one member in an instit
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### Wave 4 Core:

HOTENU	tenure
HOWH1	in whose name is accomodation owned or rented - person 1
HOWH10	in whose name is accomodation owned or rented - person 1
HOWH11	in whose name is accomodation owned or rented - person 1
HOWH12	in whose name is accomodation owned or rented - person 1
HOWH2	in whose name is accomodation owned or rented - person 2
HOWH3	in whose name is accomodation owned or rented - person 3

HOWH4 in whose name is accomodation owned or rented - person 4  
 HOWH5 in whose name is accomodation owned or rented - person 5  
 HOWH6 in whose name is accomodation owned or rented - person 6  
 HOWH7 in whose name is accomodation owned or rented - person 7  
 HOWH8 in whose name is accomodation owned or rented - person 8  
 HOWH9 in whose name is accomodation owned or rented - person 9  
 IDAHHW4 analytical wave 4 household serial number  
 PERID household number (persno)

Wave 4 Financial:

COUPID couple id - splits couples where one member in an instit

Wave 5 Core:

HOTENU Tenure

HOWH1 In whose name is accomodation owned or rented - Person 1  
 HOWH10 In whose name is accomodation owned or rented - Person 1  
 HOWH11 In whose name is accomodation owned or rented - Person 1  
 HOWH12 In whose name is accomodation owned or rented - Person 1  
 HOWH13 In whose name is accomodation owned or rented - Person 1  
 HOWH14 In whose name is accomodation owned or rented - Person 1  
 HOWH15 In whose name is accomodation owned or rented - Person 1  
 HOWH16 In whose name is accomodation owned or rented - Person 1  
 HOWH2 In whose name is accomodation owned or rented - Person 2  
 HOWH3 In whose name is accomodation owned or rented - Person 3  
 HOWH4 In whose name is accomodation owned or rented - Person 4  
 HOWH5 In whose name is accomodation owned or rented - Person 5  
 HOWH6 In whose name is accomodation owned or rented - Person 6  
 HOWH7 In whose name is accomodation owned or rented - Person 7  
 HOWH8 In whose name is accomodation owned or rented - Person 8  
 HOWH9 In whose name is accomodation owned or rented - Person 9  
 IDAHHW5 Analytical Wave 5 household serial number  
 PERID Household Number (PersNo)

Wave 5 Financial:

COUPID couple id - splits couples where one member in an instit

Wave 6 Core:

HOTENU tenure

HOWH1 in whose name is accomodation owned or rented - person 1  
 HOWH10 in whose name is accomodation owned or rented - person 1  
 HOWH11 in whose name is accomodation owned or rented - person 1  
 HOWH12 in whose name is accomodation owned or rented - person 1  
 HOWH13 in whose name is accomodation owned or rented - person 1  
 HOWH14 in whose name is accomodation owned or rented - person 1  
 HOWH15 in whose name is accomodation owned or rented - person 1  
 HOWH16 in whose name is accomodation owned or rented - person 1  
 HOWH2 in whose name is accomodation owned or rented - person 2  
 HOWH3 in whose name is accomodation owned or rented - person 3  
 HOWH4 in whose name is accomodation owned or rented - person 4  
 HOWH5 in whose name is accomodation owned or rented - person 5  
 HOWH6 in whose name is accomodation owned or rented - person 6  
 HOWH7 in whose name is accomodation owned or rented - person 7  
 HOWH8 in whose name is accomodation owned or rented - person 8  
 HOWH9 in whose name is accomodation owned or rented - person 9  
 IDAHHW6 analytical wave 6 household serial number  
 PERID household number (persno)

Wave 6 Financial:

COUPID couple id - splits couples where one member in an instit

Wave 7 Core:

HOTENU tenure

HOWH1 in whose name is accomodation owned or rented - person 1  
 HOWH10 in whose name is accomodation owned or rented - person 1  
 HOWH11 in whose name is accomodation owned or rented - person 1  
 HOWH12 in whose name is accomodation owned or rented - person 1  
 HOWH13 in whose name is accomodation owned or rented - person 1  
 HOWH14 in whose name is accomodation owned or rented - person 1  
 HOWH15 in whose name is accomodation owned or rented - person 1

HOWH16	in whose name is accomodation owned or rented - person 1
HOWH2	in whose name is accomodation owned or rented - person 2
HOWH3	in whose name is accomodation owned or rented - person 3
HOWH4	in whose name is accomodation owned or rented - person 4
HOWH5	in whose name is accomodation owned or rented - person 5
HOWH6	in whose name is accomodation owned or rented - person 6
HOWH7	in whose name is accomodation owned or rented - person 7
HOWH8	in whose name is accomodation owned or rented - person 8
HOWH9	in whose name is accomodation owned or rented - person 9
IDAHHW7	analytical wave 7 household serial number
PERID	person number (persno)
Wave 7 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 8 Core:	
HOTENU	tenure
HOWH1	in whose name is accommodation owned or rented: person 1
HOWH10	in whose name is accommodation owned or rented: person 1
HOWH11	in whose name is accommodation owned or rented: person 1
HOWH12	in whose name is accommodation owned or rented: person 1
HOWH13	in whose name is accommodation owned or rented: person 1
HOWH14	in whose name is accommodation owned or rented: person 1
HOWH15	in whose name is accommodation owned or rented: person 1
HOWH16	in whose name is accommodation owned or rented: person 1
HOWH2	in whose name is accommodation owned or rented: person 2
HOWH3	in whose name is accommodation owned or rented: person 3
HOWH4	in whose name is accommodation owned or rented: person 4
HOWH5	in whose name is accommodation owned or rented: person 5
HOWH6	in whose name is accommodation owned or rented: person 6
HOWH7	in whose name is accommodation owned or rented: person 7
HOWH8	in whose name is accommodation owned or rented: person 8
HOWH9	in whose name is accommodation owned or rented: person 9
IDAHHW8	analytical wave 8 household serial number
PERID	person number in household
Wave 8 Financial:	
COUPID	couple id - splits couples where one member in an instit
Wave 9 Core:	
HOTENU	Tenure
HOWH1	In whose name is accommodation owned or rented: person 1
HOWH10	In whose name is accommodation owned or rented: person 1
HOWH11	In whose name is accommodation owned or rented: person 1
HOWH12	In whose name is accommodation owned or rented: person 1
HOWH13	In whose name is accommodation owned or rented: person 1
HOWH14	In whose name is accommodation owned or rented: person 1
HOWH15	In whose name is accommodation owned or rented: person 1
HOWH16	In whose name is accommodation owned or rented: person 1
HOWH2	In whose name is accommodation owned or rented: person 2
HOWH3	In whose name is accommodation owned or rented: person 3
HOWH4	In whose name is accommodation owned or rented: person 4
HOWH5	In whose name is accommodation owned or rented: person 5
HOWH6	In whose name is accommodation owned or rented: person 6
HOWH7	In whose name is accommodation owned or rented: person 7
HOWH8	In whose name is accommodation owned or rented: person 8
HOWH9	In whose name is accommodation owned or rented: person 9
IDAHHW9	Analytical Wave 9 household serial number
PERID	Person number in household
Wave 9 Financial:	
COUPID	couple id - splits couples where one member in an instit



<b>Value of Primary Residence</b>
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Wave	Variable	Label	Type
1	H1AHOUS	h1ahous:w1 value of house/prim res	Cont
2	H2AHOUS	h2ahous:w2 value of house/prim res	Cont
3	H3AHOUS	h3ahous:w3 value of house/prim res	Cont
4	H4AHOUS	h4ahous:w4 value of house/prim res	Cont
5	H5AHOUS	h5ahous:w5 value of house/prim res	Cont
6	H6AHOUS	h6ahous:w6 value of house/prim res	Cont
7	H7AHOUS	h7ahous:w7 value of house/prim res	Cont
8	H8AHOUS	h8ahous:w8 value of house/prim res	Cont
9	H9AHOUS	h9ahous:w9 value of house/prim res	Cont
1	H1AFHOUS	h1afhous:w1 flag: value of house/prim res	Categ
2	H2AFHOUS	h2afhous:w2 flag: value of house/prim res	Categ
3	H3AFHOUS	h3afhous:w3 flag: value of house/prim res	Categ
4	H4AFHOUS	h4afhous:w4 flag: value of house/prim res	Categ
5	H5AFHOUS	h5afhous:w5 flag: value of house/prim res	Categ
6	H6AFHOUS	h6afhous:w6 flag: value of house/prim res	Categ
7	H7AFHOUS	h7afhous:w7 flag: value of house/prim res	Categ
8	H8AFHOUS	h8afhous:w8 flag: value of house/prim res	Categ
9	H9AFHOUS	h9afhous:w9 flag: value of house/prim res	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AHOUS	12099	130430.23	145823.15	0.00	2500000.00
H2AHOUS	9432	180700.69	163040.45	0.00	2000000.00
H3AHOUS	9760	205000.19	194443.84	0.00	4500000.00
H4AHOUS	11037	209733.22	201511.02	0.00	4000000.00
H5AHOUS	10263	220858.90	223616.12	0.00	4000000.00
H6AHOUS	10591	226171.97	227721.97	0.00	4500000.00
H7AHOUS	9652	249058.49	254900.33	0.00	4000000.00
H8AHOUS	8437	273501.74	271605.54	0.00	3500000.00
H9AHOUS	8724	296694.13	289402.15	0.00	4000000.00
H1AFHOUS	12099	2.14	2.04	1.00	6.00
H2AFHOUS	9432	2.02	1.97	1.00	6.00
H3AFHOUS	9766	2.06	2.04	1.00	10.00
H4AFHOUS	11050	2.03	2.02	1.00	10.00
H5AFHOUS	10274	2.01	2.02	1.00	10.00
H6AFHOUS	10601	1.99	2.01	1.00	10.00
H7AFHOUS	9666	1.97	2.00	1.00	10.00
H8AFHOUS	8445	1.95	1.99	1.00	10.00
H9AFHOUS	8736	1.97	1.99	1.00	10.00

### Categorical Variable Codes

Value-----	H1AFHOUS	H2AFHOUS	H3AFHOUS	H4AFHOUS	H5AFHOUS
1.continuous value	8942	7247	7485	8413	7901
2.closed range bracket	408	249	246	431	358
3.open range bracket	61	62	59	56	61
5.no value/bracket	171	95	133	161	129
6.no asset	2517	1779	1792	1921	1753
10.institutional interview			51	68	72

Value-----	H6AFHOUS	H7AFHOUS	H8AFHOUS	H9AFHOUS
1.continuous value	8299	7632	6712	6889
2.closed range bracket	259	210	167	183

3.open range bracket	76	39	43	59
5.no value/bracket	103	94	72	86
6.no asset	1789	1627	1393	1465
10.institutional interview	75	64	58	54

## How Constructed

HwAHOUS is constructed using the derived variable (including imputations) hsvali\_hh, which represents the value of primary house: How much would [youname[pnum]] expect to get for [hisher[pnum]] home if [heshe[pnum]] sold it today. Note that the original derived variables collect information at the household level. Thus, all members of the household receive the same value of the house, independently of their house ownership status. Information is not collected for: 1) couples where neither member answers the IA module; 2) couples keeping separate finances where one member does not answer the IA module; 3) singles who do not answer the IA module; 4) respondents living in institutions starting in Wave 3. The net value of primary residence takes value "missing", .m, in these cases. HwAHOUS is set to blank missing (.) if the respondent did not participate in the current wave.

HwAHOUS is then derived at the benefit unit level using information about house ownership. Even though the derived variable hsvai\_hh\_i is a household-level variable, HwAHOUS instead refers to the couple, a respondent and any spouse. This household to couple-level transformation is based on information collected in the original variables howhn01, howhn02, howhn03, howhn04 in Wave 1, in the variables howhn01, howhn02, howhn03, howhn04, howhn05 in Wave 2, and in the variables howh1, howh2, howh3, howh4, howh5, howh6, howh7, howh8, howh9, howh10, howh11, howh12 in Waves 3 and 4, and in the variables howh1, howh2, howh3, howh4, howh5, howh6, howh7, howh8, howh9, howh10, howh11, howh12, howh13, howh14, howh15, howh16 in Wave 5 and forward. Members of the couple are assigned the same value of the house while the value is divided by the number of couples owning the house in the case that multiple couples, living in the same household, share ownership. A flag variable, HwAFTOTHN, was created to indicate cases where such adjustment took place, please see "Section E: Financial and Housing Wealth: Net Value of Primary Residence" for more information.

HwAFHOUS is a flag variable based on the original flag variable hsvai\_hh\_t, indicating response types for the market value of primary residence.

## Cross Wave Differences in ELSA

The value of the primary residence is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include a confirmation check when a respondent reports expecting more than £500,000 from the sale of the house. Such a check is not included following Wave 2.

## Differences with the RAND HRS/Harmonized HRS

Value of primary residence in ELSA is measured in nominal pounds, whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

## ELSA Variables Used

### Wave 1 Core:

HOWHN01	in whose name is the accommodation owned or rented (1st
HOWHN02	in whose name is the accommodation owned or rented (2nd
HOWHN03	in whose name is the accommodation owned or rented (3rd
HOWHN04	in whose name is the accommodation owned or rented (4th
IDAHHW1	analytical wave-specific household serial number
PERID	person id (same as person number in household grid)

### Wave 1 Financial:

COUPID	couple id - splits couples where one member in an instit
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation

### Wave 2 Core:

HOWHN01	In whose name is the accommodation owned or rented (1st
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HOWHN02	In whose name is the accommodation owned or rented (2nd
HOWHN03	In whose name is the accommodation owned or rented (3rd
HOWHN04	In whose name is the accommodation owned or rented (4th
HOWHN05	In whose name is the accommodation owned or rented (5th m
IDAHHW2	W2 household analytical serial number
PERSNO	Person number
Wave 2 Financial:	
COUPID	couple id - splits couples where one member in an instit
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
Wave 3 Core:	
HOWH1	in whose name is accomodation owned or rented - person 1
HOWH10	in whose name is accomodation owned or rented - person 1
HOWH11	in whose name is accomodation owned or rented - person 1
HOWH12	in whose name is accomodation owned or rented - person 1
HOWH2	in whose name is accomodation owned or rented - person 2
HOWH3	in whose name is accomodation owned or rented - person 3
HOWH4	in whose name is accomodation owned or rented - person 4
HOWH5	in whose name is accomodation owned or rented - person 5
HOWH6	in whose name is accomodation owned or rented - person 6
HOWH7	in whose name is accomodation owned or rented - person 7
HOWH8	in whose name is accomodation owned or rented - person 8
HOWH9	in whose name is accomodation owned or rented - person 9
IDAHHW3	w3 household analytical serial number
PERID	person number in the household
Wave 3 Financial:	
COUPID	couple id - splits couples where one member in an instit
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
Wave 4 Core:	
HOWH1	in whose name is accomodation owned or rented - person 1
HOWH10	in whose name is accomodation owned or rented - person 1
HOWH11	in whose name is accomodation owned or rented - person 1
HOWH12	in whose name is accomodation owned or rented - person 1
HOWH2	in whose name is accomodation owned or rented - person 2
HOWH3	in whose name is accomodation owned or rented - person 3
HOWH4	in whose name is accomodation owned or rented - person 4
HOWH5	in whose name is accomodation owned or rented - person 5
HOWH6	in whose name is accomodation owned or rented - person 6
HOWH7	in whose name is accomodation owned or rented - person 7
HOWH8	in whose name is accomodation owned or rented - person 8
HOWH9	in whose name is accomodation owned or rented - person 9
IDAHHW4	analytical wave 4 household serial number
PERID	household number (persno)
Wave 4 Financial:	
COUPID	couple id - splits couples where one member in an instit
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
Wave 5 Core:	
HOWH1	In whose name is accomodation owned or rented - Person 1
HOWH10	In whose name is accomodation owned or rented - Person 1
HOWH11	In whose name is accomodation owned or rented - Person 1
HOWH12	In whose name is accomodation owned or rented - Person 1
HOWH13	In whose name is accomodation owned or rented - Person 1
HOWH14	In whose name is accomodation owned or rented - Person 1
HOWH15	In whose name is accomodation owned or rented - Person 1
HOWH16	In whose name is accomodation owned or rented - Person 1
HOWH2	In whose name is accomodation owned or rented - Person 2
HOWH3	In whose name is accomodation owned or rented - Person 3
HOWH4	In whose name is accomodation owned or rented - Person 4
HOWH5	In whose name is accomodation owned or rented - Person 5
HOWH6	In whose name is accomodation owned or rented - Person 6
HOWH7	In whose name is accomodation owned or rented - Person 7

HOWH8	In whose name is accomodation owned or rented - Person 8
HOWH9	In whose name is accomodation owned or rented - Person 9
IDAHHW5	Analytical Wave 5 household serial number
PERID	Household Number (PersNo)
Wave 5 Financial:	
COUPID	couple id - splits couples where one member in an instit
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
Wave 6 Core:	
HOWH1	in whose name is accomodation owned or rented - person 1
HOWH10	in whose name is accomodation owned or rented - person 1
HOWH11	in whose name is accomodation owned or rented - person 1
HOWH12	in whose name is accomodation owned or rented - person 1
HOWH13	in whose name is accomodation owned or rented - person 1
HOWH14	in whose name is accomodation owned or rented - person 1
HOWH15	in whose name is accomodation owned or rented - person 1
HOWH16	in whose name is accomodation owned or rented - person 1
HOWH2	in whose name is accomodation owned or rented - person 2
HOWH3	in whose name is accomodation owned or rented - person 3
HOWH4	in whose name is accomodation owned or rented - person 4
HOWH5	in whose name is accomodation owned or rented - person 5
HOWH6	in whose name is accomodation owned or rented - person 6
HOWH7	in whose name is accomodation owned or rented - person 7
HOWH8	in whose name is accomodation owned or rented - person 8
HOWH9	in whose name is accomodation owned or rented - person 9
IDAHHW6	analytical wave 6 household serial number
PERID	household number (persno)
Wave 6 Financial:	
COUPID	couple id - splits couples where one member in an instit
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
Wave 7 Core:	
HOWH1	in whose name is accomodation owned or rented - person 1
HOWH10	in whose name is accomodation owned or rented - person 1
HOWH11	in whose name is accomodation owned or rented - person 1
HOWH12	in whose name is accomodation owned or rented - person 1
HOWH13	in whose name is accomodation owned or rented - person 1
HOWH14	in whose name is accomodation owned or rented - person 1
HOWH15	in whose name is accomodation owned or rented - person 1
HOWH16	in whose name is accomodation owned or rented - person 1
HOWH2	in whose name is accomodation owned or rented - person 2
HOWH3	in whose name is accomodation owned or rented - person 3
HOWH4	in whose name is accomodation owned or rented - person 4
HOWH5	in whose name is accomodation owned or rented - person 5
HOWH6	in whose name is accomodation owned or rented - person 6
HOWH7	in whose name is accomodation owned or rented - person 7
HOWH8	in whose name is accomodation owned or rented - person 8
HOWH9	in whose name is accomodation owned or rented - person 9
IDAHHW7	analytical wave 7 household serial number
PERID	person number (persno)
Wave 7 Financial:	
COUPID	couple id - splits couples where one member in an instit
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
Wave 8 Core:	
HOWH1	in whose name is accomodation owned or rented: person 1
HOWH10	in whose name is accomodation owned or rented: person 1
HOWH11	in whose name is accomodation owned or rented: person 1
HOWH12	in whose name is accomodation owned or rented: person 1
HOWH13	in whose name is accomodation owned or rented: person 1
HOWH14	in whose name is accomodation owned or rented: person 1
HOWH15	in whose name is accomodation owned or rented: person 1
HOWH16	in whose name is accomodation owned or rented: person 1

HOWH2	in whose name is accommodation owned or rented: person 2
HOWH3	in whose name is accommodation owned or rented: person 3
HOWH4	in whose name is accommodation owned or rented: person 4
HOWH5	in whose name is accommodation owned or rented: person 5
HOWH6	in whose name is accommodation owned or rented: person 6
HOWH7	in whose name is accommodation owned or rented: person 7
HOWH8	in whose name is accommodation owned or rented: person 8
HOWH9	in whose name is accommodation owned or rented: person 9
IDAHHW8	analytical wave 8 household serial number
PERID	person number in household
Wave 8 Financial:	
COUPID	couple id - splits couples where one member in an instit
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
Wave 9 Core:	
HOWH1	In whose name is accommodation owned or rented: person 1
HOWH10	In whose name is accommodation owned or rented: person 1
HOWH11	In whose name is accommodation owned or rented: person 1
HOWH12	In whose name is accommodation owned or rented: person 1
HOWH13	In whose name is accommodation owned or rented: person 1
HOWH14	In whose name is accommodation owned or rented: person 1
HOWH15	In whose name is accommodation owned or rented: person 1
HOWH16	In whose name is accommodation owned or rented: person 1
HOWH2	In whose name is accommodation owned or rented: person 2
HOWH3	In whose name is accommodation owned or rented: person 3
HOWH4	In whose name is accommodation owned or rented: person 4
HOWH5	In whose name is accommodation owned or rented: person 5
HOWH6	In whose name is accommodation owned or rented: person 6
HOWH7	In whose name is accommodation owned or rented: person 7
HOWH8	In whose name is accommodation owned or rented: person 8
HOWH9	In whose name is accommodation owned or rented: person 9
IDAHHW9	Analytical Wave 9 household serial number
PERID	Person number in household
Wave 9 Financial:	
COUPID	couple id - splits couples where one member in an instit
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation

<b>Value of Mortgages (Primary Residence)</b>
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Wave	Variable	Label	Type
1	H1AMORT	h1amort:w1 value of mortgage/prim res	Cont
2	H2AMORT	h2amort:w2 value of mortgage/prim res	Cont
3	H3AMORT	h3amort:w3 value of mortgage/prim res	Cont
4	H4AMORT	h4amort:w4 value of mortgage/prim res	Cont
5	H5AMORT	h5amort:w5 value of mortgage/prim res	Cont
6	H6AMORT	h6amort:w6 value of mortgage/prim res	Cont
7	H7AMORT	h7amort:w7 value of mortgage/prim res	Cont
8	H8AMORT	h8amort:w8 value of mortgage/prim res	Cont
9	H9AMORT	h9amort:w9 value of mortgage/prim res	Cont
1	H1AFMORT	h1afmort:w1 flag: value of mortgage/prim res	Categ
2	H2AFMORT	h2afmort:w2 flag: value of mortgage/prim res	Categ
3	H3AFMORT	h3afmort:w3 flag: value of mortgage/prim res	Categ
4	H4AFMORT	h4afmort:w4 flag: value of mortgage/prim res	Categ
5	H5AFMORT	h5afmort:w5 flag: value of mortgage/prim res	Categ
6	H6AFMORT	h6afmort:w6 flag: value of mortgage/prim res	Categ
7	H7AFMORT	h7afmort:w7 flag: value of mortgage/prim res	Categ
8	H8AFMORT	h8afmort:w8 flag: value of mortgage/prim res	Categ
9	H9AFMORT	h9afmort:w9 flag: value of mortgage/prim res	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AMORT	12099	4987.31	20718.18	-146000.00	500000.00
H2AMORT	9432	5601.11	21995.43	-240000.00	400000.00
H3AMORT	9760	10707.55	53410.09	-335000.00	2008000.00
H4AMORT	11037	10794.02	54677.89	-291000.00	2500000.00
H5AMORT	10263	9731.88	48191.11	-53000.00	2250000.00
H6AMORT	10591	11538.98	46518.47	-212500.00	1125000.00
H7AMORT	9652	11333.88	47508.06	-57000.00	1125000.00
H8AMORT	8437	8400.93	40247.91	-100000.00	1125000.00
H9AMORT	8724	13161.47	51472.74	-70000.00	1200000.00
H1AFMORT	12099	4.90	2.01	1.00	7.00
H2AFMORT	9432	5.07	1.85	1.00	6.00
H3AFMORT	9766	4.93	2.04	1.00	10.00
H4AFMORT	11050	5.11	1.92	1.00	10.00
H5AFMORT	10274	5.19	1.89	1.00	10.00
H6AFMORT	10601	5.14	1.94	1.00	10.00
H7AFMORT	9666	5.22	1.86	1.00	10.00
H8AFMORT	8445	5.43	1.66	1.00	10.00
H9AFMORT	8736	5.29	1.79	1.00	10.00

### Categorical Variable Codes

Value-----	H1AFMORT	H2AFMORT	H3AFMORT	H4AFMORT	H5AFMORT
1.continuous value	2210	1363	1905	1791	1612
2.closed range bracket	405	166	160	170	89
3.open range bracket	193	416	74	51	57
5.no value/bracket	43	28	298	339	65
6.no asset	9227	7459	7278	8631	8365
7.dk	21				14
10.institutional interview			51	68	72
Value-----	H6AFMORT	H7AFMORT	H8AFMORT	H9AFMORT	
1.continuous value	1783	1481	972	1209	

2.closed range bracket	85	62	25	65
3.open range bracket	44	35	31	30
5.no value/bracket	74	60	32	63
6.no asset	8526	7956	7323	7302
7.dk	14	8	4	13
10.institutional interview	75	64	58	54

## How Constructed

HwAMORT is constructed using the derived variable (including imputations) `hdebt_hh_i`, which represents the value of outstanding primary housing debt. Note that the original derived variables collect information at the household level. Thus, all members of the household receive the same value of the house, independently of their house ownership status. Information is not collected for: 1) couples where neither member answers the IA module; 2) couples keeping separate finances where one member does not answer the IA module; 3) singles who do not answer the IA module; 4) respondents living in institutions starting in Wave 3. The net value of primary residence takes value "missing", .m, in these cases. HwAMORT is set to blank missing (.) if the respondent did not participate in the current wave.

People with negative mortgage debt are people who have an endowment mortgage. When households have an endowment mortgage, mortgage debt is calculated as mortgage debt minus the value of the endowment. It is therefore possible for people to have negative mortgage debt whenever the value of the endowment exceeds the amount of the loan. An endowment mortgage is a mortgage loan arranged on an interest-only basis where the capital is intended to be repaid by one or more (usually Low-Cost) endowment policies. The borrower has two separate agreements: One with the lender for the mortgage and one with the insurer for the endowment policy. The arrangements are distinct and the borrower can change either arrangement if they wish. In the past, the endowment policy was often taken as additional security by the lender. That is, the lender applied a legal device to ensure the proceeds of the endowment were made payable to them rather than to the borrower; typically the policy is assigned to the lender. The customer pays only the interest on the capital borrowed, thus saving money with respect to an ordinary repayment loan; the borrower instead makes payments to an endowment policy. The objective is that the investment made through the endowment policy will be sufficient to repay the mortgage at the end of the term and possibly create a cash surplus.

The number of cases of negative mortgage debt observed in the data is probably higher than one would expect. Respondents might be unsure about how to answer the question and report the value of the loan net of the value of the endowment (ELSA does specify "not including the value of the endowment", but it is possible that this is not totally clear). Hence, the value of the endowment would be taken out twice. It is very difficult to collect information about the value of mortgage debt for people with endowment mortgages and this is also an issue with other surveys.

HwAMORT is then derived at the benefit unit level using information about house ownership. Even though the derived variable `hdebt_hh_i` is a household-level variable, HwAMORT instead refers to the couple, a respondent and any spouse. This household to couple-level transformation is based on information collected in the original variables `howhn01`, `howhn02`, `howhn03`, `howhn04` in Wave 1, in the variables `howhn01`, `howhn02`, `howhn03`, `howhn04`, `howhn05` in Wave 2, and in the variables `howh1`, `howh2`, `howh3`, `howh4`, `howh5`, `howh6`, `howh7`, `howh8`, `howh9`, `howh10`, `howh11`, `howh12` in Waves 3 and 4, and in the variables `howh1`, `howh2`, `howh3`, `howh4`, `howh5`, `howh6`, `howh7`, `howh8`, `howh9`, `howh10`, `howh11`, `howh12`, `howh13`, `howh14`, `howh15`, `howh16` in Wave 5 and forward. Members of the couple are assigned the same value of the house while the value is divided by the number of couples owning the house in the case that multiple couples, living in the same household, share ownership. A flag variable, `HwAFTOTHN`, was created to indicate cases where such adjustment took place, please see "Section E: Financial and Housing Wealth: Net Value of Primary Residence" for more information.

HwAFMORT is a flag variable based on the original flag variable `hdebt_hh_t`, indicating response types for the outstanding debt of primary residence.

## Cross Wave Differences in ELSA

The value of outstanding primary housing debt is asked at each wave. Questions reveal the existence of up to five mortgages and loans as well as the amount currently owed on each of these mortgages or loans. In addition, information about the current value of endowments is also asked. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include a

confirmation check when a respondent reports owing more than £500,000. Such a check is not included following Wave 2.

## Differences with the RAND HRS/Harmonized HRS

Value of outstanding primary housing debt in ELSA is measured in nominal pounds, whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

## ELSA Variables Used

### Wave 1 Core:

HOWHN01 in whose name is the accommodation owned or rented (1st  
 HOWHN02 in whose name is the accommodation owned or rented (2nd  
 HOWHN03 in whose name is the accommodation owned or rented (3rd  
 HOWHN04 in whose name is the accommodation owned or rented (4th  
 IDAHHW1 analytical wave-specific household serial number  
 PERID person id (same as person number in household grid)

### Wave 1 Financial:

COUPID couple id - splits couples where one member in an instit  
 HDEBT\_HH\_I HH primary housing debt (hovml/hsvml2-5/hsvl-7) - value  
 HDEBT\_HH\_T HH primary housing debt (hovml/hsvml2-5/hsvl-7) - imput

### Wave 2 Core:

HOWHN01 In whose name is the accommodation owned or rented (1st  
 HOWHN02 In whose name is the accommodation owned or rented (2nd  
 HOWHN03 In whose name is the accommodation owned or rented (3rd  
 HOWHN04 In whose name is the accommodation owned or rented (4th  
 HOWHN05 In whose name is the accommodation owned or rented (5th m  
 IDAHHW2 W2 household analytical serial number  
 PERSNO Person number

### Wave 2 Financial:

COUPID couple id - splits couples where one member in an instit  
 HDEBT\_HH\_I HH primary housing debt (hovml/hsvml2-5/hsvl-7) - value  
 HDEBT\_HH\_T HH primary housing debt (hovml/hsvml2-5/hsvl-7) - imput

### Wave 3 Core:

HOWH1 in whose name is accomodation owned or rented - person 1  
 HOWH10 in whose name is accomodation owned or rented - person 1  
 HOWH11 in whose name is accomodation owned or rented - person 1  
 HOWH12 in whose name is accomodation owned or rented - person 1  
 HOWH2 in whose name is accomodation owned or rented - person 2  
 HOWH3 in whose name is accomodation owned or rented - person 3  
 HOWH4 in whose name is accomodation owned or rented - person 4  
 HOWH5 in whose name is accomodation owned or rented - person 5  
 HOWH6 in whose name is accomodation owned or rented - person 6  
 HOWH7 in whose name is accomodation owned or rented - person 7  
 HOWH8 in whose name is accomodation owned or rented - person 8  
 HOWH9 in whose name is accomodation owned or rented - person 9  
 IDAHHW3 w3 household analytical serial number  
 PERID person number in the household

### Wave 3 Financial:

COUPID couple id - splits couples where one member in an instit  
 HDEBT\_HH\_I HH primary housing debt (hovml/hsvml2-5/hsvl-7) - value  
 HDEBT\_HH\_T HH primary housing debt (hovml/hsvml2-5/hsvl-7) - imput

### Wave 4 Core:

HOWH1 in whose name is accomodation owned or rented - person 1  
 HOWH10 in whose name is accomodation owned or rented - person 1  
 HOWH11 in whose name is accomodation owned or rented - person 1  
 HOWH12 in whose name is accomodation owned or rented - person 1  
 HOWH2 in whose name is accomodation owned or rented - person 2  
 HOWH3 in whose name is accomodation owned or rented - person 3  
 HOWH4 in whose name is accomodation owned or rented - person 4  
 HOWH5 in whose name is accomodation owned or rented - person 5



HOWH6 in whose name is accomodation owned or rented - person 6  
 HOWH7 in whose name is accomodation owned or rented - person 7  
 HOWH8 in whose name is accomodation owned or rented - person 8  
 HOWH9 in whose name is accomodation owned or rented - person 9  
 IDAHHW4 analytical wave 4 household serial number  
 PERID household number (persno)

Wave 4 Financial:

COUPID couple id - splits couples where one member in an instit  
 HDEBT\_HH\_I HH primary housing debt (hovml/hsvml2-5/hsvel-7) - value  
 HDEBT\_HH\_T HH primary housing debt (hovml/hsvml2-5/hsvel-7) - imput

Wave 5 Core:

HOWH1 In whose name is accomodation owned or rented - Person 1  
 HOWH10 In whose name is accomodation owned or rented - Person 1  
 HOWH11 In whose name is accomodation owned or rented - Person 1  
 HOWH12 In whose name is accomodation owned or rented - Person 1  
 HOWH13 In whose name is accomodation owned or rented - Person 1  
 HOWH14 In whose name is accomodation owned or rented - Person 1  
 HOWH15 In whose name is accomodation owned or rented - Person 1  
 HOWH16 In whose name is accomodation owned or rented - Person 1  
 HOWH2 In whose name is accomodation owned or rented - Person 2  
 HOWH3 In whose name is accomodation owned or rented - Person 3  
 HOWH4 In whose name is accomodation owned or rented - Person 4  
 HOWH5 In whose name is accomodation owned or rented - Person 5  
 HOWH6 In whose name is accomodation owned or rented - Person 6  
 HOWH7 In whose name is accomodation owned or rented - Person 7  
 HOWH8 In whose name is accomodation owned or rented - Person 8  
 HOWH9 In whose name is accomodation owned or rented - Person 9  
 IDAHHW5 Analytical Wave 5 household serial number  
 PERID Household Number (PersNo)

Wave 5 Financial:

COUPID couple id - splits couples where one member in an instit  
 HDEBT\_HH\_I HH primary housing debt (hovml/hsvml2-5/hsvel-7) - value  
 HDEBT\_HH\_T HH primary housing debt (hovml/hsvml2-5/hsvel-7) - imput

Wave 6 Core:

HOWH1 in whose name is accomodation owned or rented - person 1  
 HOWH10 in whose name is accomodation owned or rented - person 1  
 HOWH11 in whose name is accomodation owned or rented - person 1  
 HOWH12 in whose name is accomodation owned or rented - person 1  
 HOWH13 in whose name is accomodation owned or rented - person 1  
 HOWH14 in whose name is accomodation owned or rented - person 1  
 HOWH15 in whose name is accomodation owned or rented - person 1  
 HOWH16 in whose name is accomodation owned or rented - person 1  
 HOWH2 in whose name is accomodation owned or rented - person 2  
 HOWH3 in whose name is accomodation owned or rented - person 3  
 HOWH4 in whose name is accomodation owned or rented - person 4  
 HOWH5 in whose name is accomodation owned or rented - person 5  
 HOWH6 in whose name is accomodation owned or rented - person 6  
 HOWH7 in whose name is accomodation owned or rented - person 7  
 HOWH8 in whose name is accomodation owned or rented - person 8  
 HOWH9 in whose name is accomodation owned or rented - person 9  
 IDAHHW6 analytical wave 6 household serial number  
 PERID household number (persno)

Wave 6 Financial:

COUPID couple id - splits couples where one member in an instit  
 HDEBT\_HH\_I HH primary housing debt (hovml/hsvml2-5/hsvel-7) - value  
 HDEBT\_HH\_T HH primary housing debt (hovml/hsvml2-5/hsvel-7) - imput

Wave 7 Core:

HOWH1 in whose name is accomodation owned or rented - person 1  
 HOWH10 in whose name is accomodation owned or rented - person 1  
 HOWH11 in whose name is accomodation owned or rented - person 1  
 HOWH12 in whose name is accomodation owned or rented - person 1  
 HOWH13 in whose name is accomodation owned or rented - person 1  
 HOWH14 in whose name is accomodation owned or rented - person 1

HOWH15 in whose name is accomodation owned or rented - person 1  
 HOWH16 in whose name is accomodation owned or rented - person 1  
 HOWH2 in whose name is accomodation owned or rented - person 2  
 HOWH3 in whose name is accomodation owned or rented - person 3  
 HOWH4 in whose name is accomodation owned or rented - person 4  
 HOWH5 in whose name is accomodation owned or rented - person 5  
 HOWH6 in whose name is accomodation owned or rented - person 6  
 HOWH7 in whose name is accomodation owned or rented - person 7  
 HOWH8 in whose name is accomodation owned or rented - person 8  
 HOWH9 in whose name is accomodation owned or rented - person 9  
 IDAHHW7 analytical wave 7 household serial number  
 PERID person number (persno)

Wave 7 Financial:

COUPID couple id - splits couples where one member in an instit  
 HDEBT\_HH\_I HH primary housing debt (hovml/hsvml2-5/hsvel-7) - value  
 HDEBT\_HH\_T HH primary housing debt (hovml/hsvml2-5/hsvel-7) - imput

Wave 8 Core:

HOWH1 in whose name is accomodation owned or rented: person 1  
 HOWH10 in whose name is accomodation owned or rented: person 1  
 HOWH11 in whose name is accomodation owned or rented: person 1  
 HOWH12 in whose name is accomodation owned or rented: person 1  
 HOWH13 in whose name is accomodation owned or rented: person 1  
 HOWH14 in whose name is accomodation owned or rented: person 1  
 HOWH15 in whose name is accomodation owned or rented: person 1  
 HOWH16 in whose name is accomodation owned or rented: person 1  
 HOWH2 in whose name is accomodation owned or rented: person 2  
 HOWH3 in whose name is accomodation owned or rented: person 3  
 HOWH4 in whose name is accomodation owned or rented: person 4  
 HOWH5 in whose name is accomodation owned or rented: person 5  
 HOWH6 in whose name is accomodation owned or rented: person 6  
 HOWH7 in whose name is accomodation owned or rented: person 7  
 HOWH8 in whose name is accomodation owned or rented: person 8  
 HOWH9 in whose name is accomodation owned or rented: person 9  
 IDAHHW8 analytical wave 8 household serial number  
 PERID person number in household

Wave 8 Financial:

COUPID couple id - splits couples where one member in an instit  
 HDEBT\_HH\_I HH primary housing debt (hovml/hsvml2-5/hsvel-7) - value  
 HDEBT\_HH\_T HH primary housing debt (hovml/hsvml2-5/hsvel-7) - imput

Wave 9 Core:

HOWH1 In whose name is accomodation owned or rented: person 1  
 HOWH10 In whose name is accomodation owned or rented: person 1  
 HOWH11 In whose name is accomodation owned or rented: person 1  
 HOWH12 In whose name is accomodation owned or rented: person 1  
 HOWH13 In whose name is accomodation owned or rented: person 1  
 HOWH14 In whose name is accomodation owned or rented: person 1  
 HOWH15 In whose name is accomodation owned or rented: person 1  
 HOWH16 In whose name is accomodation owned or rented: person 1  
 HOWH2 In whose name is accomodation owned or rented: person 2  
 HOWH3 In whose name is accomodation owned or rented: person 3  
 HOWH4 In whose name is accomodation owned or rented: person 4  
 HOWH5 In whose name is accomodation owned or rented: person 5  
 HOWH6 In whose name is accomodation owned or rented: person 6  
 HOWH7 In whose name is accomodation owned or rented: person 7  
 HOWH8 In whose name is accomodation owned or rented: person 8  
 HOWH9 In whose name is accomodation owned or rented: person 9  
 IDAHHW9 Analytical Wave 9 household serial number  
 PERID Person number in household

Wave 9 Financial:

COUPID couple id - splits couples where one member in an instit  
 HDEBT\_HH\_I HH primary housing debt (hovml/hsvml2-5/hsvel-7) - value  
 HDEBT\_HH\_T HH primary housing debt (hovml/hsvml2-5/hsvel-7) - imput

<b>Net Value of Primary Residence</b>
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Wave	Variable	Label	Type
1	H1ATOTH	h1atoth:w1 net value of house/prim res	Cont
2	H2ATOTH	h2atoth:w2 net value of house/prim res	Cont
3	H3ATOTH	h3atoth:w3 net value of house/prim res	Cont
4	H4ATOTH	h4atoth:w4 net value of house/prim res	Cont
5	H5ATOTH	h5atoth:w5 net value of house/prim res	Cont
6	H6ATOTH	h6atoth:w6 net value of house/prim res	Cont
7	H7ATOTH	h7atoth:w7 net value of house/prim res	Cont
8	H8ATOTH	h8atoth:w8 net value of house/prim res	Cont
9	H9ATOTH	h9atoth:w9 net value of house/prim res	Cont
1	H1AFTOTH	h1aftoth:w1 flag: net value of house/prim res	Categ
2	H2AFTOTH	h2aftoth:w2 flag: net value of house/prim res	Categ
3	H3AFTOTH	h3aftoth:w3 flag: net value of house/prim res	Categ
4	H4AFTOTH	h4aftoth:w4 flag: net value of house/prim res	Categ
5	H5AFTOTH	h5aftoth:w5 flag: net value of house/prim res	Categ
6	H6AFTOTH	h6aftoth:w6 flag: net value of house/prim res	Categ
7	H7AFTOTH	h7aftoth:w7 flag: net value of house/prim res	Categ
8	H8AFTOTH	h8aftoth:w8 flag: net value of house/prim res	Categ
9	H9AFTOTH	h9aftoth:w9 flag: net value of house/prim res	Categ
1	H1AFTOTHN	h1aftothn:w1 flag: multiple couple home ownership	Categ
2	H2AFTOTHN	h2aftothn:w2 flag: multiple couple home ownership	Categ
3	H3AFTOTHN	h3aftothn:w3 flag: multiple couple home ownership	Categ
4	H4AFTOTHN	h4aftothn:w4 flag: multiple couple home ownership	Categ
5	H5AFTOTHN	h5aftothn:w5 flag: multiple couple home ownership	Categ
6	H6AFTOTHN	h6aftothn:w6 flag: multiple couple home ownership	Categ
7	H7AFTOTHN	h7aftothn:w7 flag: multiple couple home ownership	Categ
8	H8AFTOTHN	h8aftothn:w8 flag: multiple couple home ownership	Categ
9	H9AFTOTHN	h9aftothn:w9 flag: multiple couple home ownership	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTH	12099	125442.92	142333.47	-108000.00	2491500.00
H2ATOTH	9432	175099.58	160580.70	-130000.00	2000000.00
H3ATOTH	9760	194292.64	192889.51	-1608000.00	4440000.00
H4ATOTH	11037	198939.20	191300.24	-450000.00	3500000.00
H5ATOTH	10263	211127.02	216176.63	-800000.00	4000000.00
H6ATOTH	10591	214632.99	218881.38	-25000.00	4500000.00
H7ATOTH	9652	237724.62	246717.20	-220000.00	4000000.00
H8ATOTH	8437	265100.80	264128.15	-253000.00	3000000.00
H9ATOTH	8724	283532.66	281063.10	-350000.00	3450000.00
H1AFTOTH	12099	2.21	2.04	1.00	7.00
H2AFTOTH	9432	2.13	1.97	1.00	6.00
H3AFTOTH	9766	2.19	2.08	1.00	10.00
H4AFTOTH	11050	2.16	2.06	1.00	10.00
H5AFTOTH	10274	2.06	2.03	1.00	10.00
H6AFTOTH	10601	2.03	2.03	1.00	10.00
H7AFTOTH	9666	2.00	2.01	1.00	10.00
H8AFTOTH	8445	1.97	2.00	1.00	10.00
H9AFTOTH	8736	2.01	2.01	1.00	10.00
H1AFTOTHN	12099	0.01	0.07	0.00	1.00
H2AFTOTHN	9432	0.00	0.06	0.00	1.00
H3AFTOTHN	9720	0.00	0.07	0.00	1.00

H4AFTOTHN	10994	0.00	0.07	0.00	1.00
H5AFTOTHN	10213	0.01	0.07	0.00	1.00
H6AFTOTHN	10535	0.00	0.06	0.00	1.00
H7AFTOTHN	9615	0.00	0.07	0.00	1.00
H8AFTOTHN	8393	0.00	0.06	0.00	1.00
H9AFTOTHN	8691	0.00	0.06	0.00	1.00

## Categorical Variable Codes

Value-----	H1AFTOTH	H2AFTOTH	H3AFTOTH	H4AFTOTH	H5AFTOTH
1.continuous value	8366	6677	7039	7918	7724
2.closed range bracket	785	394	371	578	423
3.open range bracket	224	459	125	102	112
5.no value/bracket	186	123	388	463	178
6.no asset	2517	1779	1792	1921	1751
7.dk	21				14
10.institutional interview			51	68	72

Value-----	H6AFTOTH	H7AFTOTH	H8AFTOTH	H9AFTOTH
1.continuous value	8118	7498	6631	6761
2.closed range bracket	322	261	190	227
3.open range bracket	114	70	74	86
5.no value/bracket	169	138	95	130
6.no asset	1789	1627	1393	1465
7.dk	14	8	4	13
10.institutional interview	75	64	58	54

Value-----	H1AFTOTHN	H2AFTOTHN	H3AFTOTHN	H4AFTOTHN	H5AFTOTHN
.m:Missing			46	56	61
0.not more than one couple	12034	9395	9678	10941	10161
1.more than one couple	65	37	42	53	52

Value-----	H6AFTOTHN	H7AFTOTHN	H8AFTOTHN	H9AFTOTHN
.m:Missing	66	51	52	45
0.not more than one couple	10491	9567	8365	8659
1.more than one couple	44	48	28	32

## How Constructed

HwATOTH is constructed using the derived variables (including imputations) `hsval_hh_i`, which represents the value of primary house: How much would [youname[pnum]] expect to get for [his/her[pnum]] home if [heshe[pnum]] sold it today?, and `hdebt_hh_i`, which represents the value of outstanding primary housing debt. The net value of primary housing is calculated as the adjusted house value at the benefit unit level minus the outstanding adjusted primary debt at the benefit unit level.

Note that the original derived variables collect information at the household level. Thus, all members of the household receive the same value of the house, independently of their house ownership status. Information is not collected for: 1) couples where neither member answers the IA module; 2) couples keeping separate finances where one member does not answer the IA module; 3) singles who do not answer the IA module; 4) respondents living in institutions starting in Wave 3. The net value of primary residence takes value "missing", `.m`, in these cases. HwATOTH is set to blank missing (`.`) if the respondent did not participate in the current wave.

People with negative mortgage debt are people who have an endowment mortgage. When households have an endowment mortgage, mortgage debt is calculated as mortgage debt minus the value of the endowment. It is therefore possible for people to have negative mortgage debt whenever the value of the endowment exceeds the amount of the loan. An endowment mortgage is a mortgage loan arranged on an interest-only basis where the capital is intended to be repaid by one or more (usually Low-Cost) endowment policies. The borrower has two separate agreements: One with the lender for the mortgage and one with the insurer for the endowment policy. The arrangements are distinct and the borrower can change either arrangement if they wish. In the past, the endowment policy was often taken as additional security by the lender. That is, the lender applied a legal device to ensure the proceeds of the endowment were made payable to them rather than to the borrower; typically the policy is assigned to the lender. The customer pays only the interest on the capital borrowed, thus saving money with respect to an ordinary repayment loan; the borrower instead makes payments to an endowment policy. The objective is that the investment made through

the endowment policy will be sufficient to repay the mortgage at the end of the term and possibly create a cash surplus.

The number of cases of negative mortgage debt observed in the data is probably higher than one would expect. Respondents might be unsure about how to answer the question and report the value of the loan net of the value of the endowment (ELSA does specify "not including the value of the endowment", but it is possible that this is not totally clear). Hence, the value of the endowment would be taken out twice. It is very difficult to collect information about the value of mortgage debt for people with endowment mortgages and this is also an issue with other surveys.

HwATOTH is then derived at the benefit unit level using information about house ownership. Even though the derived variables `hsvval_hh_i` and `hdebt_hh_i` are household-level variables, HwATOTH instead refers to the couple, a respondent and any spouse. This household to couple-level transformation is based on information collected in the original variables `howhn01`, `howhn02`, `howhn03`, `howhn04` in Wave 1, in the variables `howhn01`, `howhn02`, `howhn03`, `howhn04`, `howhn05` in Wave 2, and in the variables `howh1`, `howh2`, `howh3`, `howh4`, `howh5`, `howh6`, `howh7`, `howh8`, `howh9`, `howh10`, `howh11`, `howh12` in Waves 3 and 4, and in the variables `howh1`, `howh2`, `howh3`, `howh4`, `howh5`, `howh6`, `howh7`, `howh8`, `howh9`, `howh10`, `howh11`, `howh12`, `howh13`, `howh14`, `howh15`, `howh16` in Wave 5 and forward. Members of the couple are assigned the same value of the house while the value is divided by the number of couples owning the house in the case that multiple couples, living in the same household, share ownership. HwAFTOTHN is a flag variable indicating whether the house is owned by more than one couple. A value of 1 indicates that more than one financial unit or couple own the house together, and that the value of the house was derived by dividing the reported value by the number of couples owning the house.

HwAFTOTH is a flag variable based on the original flag variables (`hsvval_hh_t` and `hdebt_hh_t`), indicating response types for the market value of primary residence and outstanding debt of primary residence.

## Cross Wave Differences in ELSA

The value of the primary residence is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include a confirmation check when a respondent reports expecting more than £500,000 from the sale of the house. Such a check is not included following Wave 2.

The value of outstanding primary housing debt is asked at each wave. Questions reveal the existence of up to five mortgages and loans as well as the amount currently owed on each of these mortgages or loans. In addition, information about the current value of endowments is also asked. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include a confirmation check when a respondent reports owing more than £500,000. Such a check is not included following Wave 2.

## Differences with the RAND HRS/Harmonized HRS

Net value of primary residence in ELSA is measured in nominal pounds, whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

## ELSA Variables Used

Wave 1 Core:

<code>HOWHN01</code>	in whose name is the accommodation owned or rented (1st)
<code>HOWHN02</code>	in whose name is the accommodation owned or rented (2nd)
<code>HOWHN03</code>	in whose name is the accommodation owned or rented (3rd)
<code>HOWHN04</code>	in whose name is the accommodation owned or rented (4th)
<code>IDAHHW1</code>	analytical wave-specific household serial number
<code>PERID</code>	person id (same as person number in household grid)

Wave 1 Financial:

<code>COUPID</code>	couple id - splits couples where one member in an instit
<code>HDEBT_HH_I</code>	HH primary housing debt ( <code>hovml/hsvml2-5/hsvle1-7</code> ) - value
<code>HDEBT_HH_T</code>	HH primary housing debt ( <code>hovml/hsvml2-5/hsvle1-7</code> ) - imput

HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
Wave 2 Core:	
HOWHN01	In whose name is the accommodation owned or rented (1st
HOWHN02	In whose name is the accommodation owned or rented (2nd
HOWHN03	In whose name is the accommodation owned or rented (3rd
HOWHN04	In whose name is the accommodation owned or rented (4th
HOWHN05	In whose name is the accomodation owned or rented (5th m
IDAHHW2	W2 household analytical serial number
PERSNO	Person number
Wave 2 Financial:	
COUPID	couple id - splits couples where one member in an instit
HDEBT_HH_I	HH primary housing debt (hovml/hsvml2-5/hsv1-7) - value
HDEBT_HH_T	HH primary housing debt (hovml/hsvml2-5/hsv1-7) - imput
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
Wave 3 Core:	
HOWH1	in whose name is accomodation owned or rented - person 1
HOWH10	in whose name is accomodation owned or rented - person 1
HOWH11	in whose name is accomodation owned or rented - person 1
HOWH12	in whose name is accomodation owned or rented - person 1
HOWH2	in whose name is accomodation owned or rented - person 2
HOWH3	in whose name is accomodation owned or rented - person 3
HOWH4	in whose name is accomodation owned or rented - person 4
HOWH5	in whose name is accomodation owned or rented - person 5
HOWH6	in whose name is accomodation owned or rented - person 6
HOWH7	in whose name is accomodation owned or rented - person 7
HOWH8	in whose name is accomodation owned or rented - person 8
HOWH9	in whose name is accomodation owned or rented - person 9
IDAHHW3	w3 household analytical serial number
PERID	person number in the household
Wave 3 Financial:	
COUPID	couple id - splits couples where one member in an instit
HDEBT_HH_I	HH primary housing debt (hovml/hsvml2-5/hsv1-7) - value
HDEBT_HH_T	HH primary housing debt (hovml/hsvml2-5/hsv1-7) - imput
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
Wave 4 Core:	
HOWH1	in whose name is accomodation owned or rented - person 1
HOWH10	in whose name is accomodation owned or rented - person 1
HOWH11	in whose name is accomodation owned or rented - person 1
HOWH12	in whose name is accomodation owned or rented - person 1
HOWH2	in whose name is accomodation owned or rented - person 2
HOWH3	in whose name is accomodation owned or rented - person 3
HOWH4	in whose name is accomodation owned or rented - person 4
HOWH5	in whose name is accomodation owned or rented - person 5
HOWH6	in whose name is accomodation owned or rented - person 6
HOWH7	in whose name is accomodation owned or rented - person 7
HOWH8	in whose name is accomodation owned or rented - person 8
HOWH9	in whose name is accomodation owned or rented - person 9
IDAHHW4	analytical wave 4 household serial number
PERID	household number (persno)
Wave 4 Financial:	
COUPID	couple id - splits couples where one member in an instit
HDEBT_HH_I	HH primary housing debt (hovml/hsvml2-5/hsv1-7) - value
HDEBT_HH_T	HH primary housing debt (hovml/hsvml2-5/hsv1-7) - imput
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
Wave 5 Core:	
HOWH1	In whose name is accomodation owned or rented - Person 1
HOWH10	In whose name is accomodation owned or rented - Person 1
HOWH11	In whose name is accomodation owned or rented - Person 1
HOWH12	In whose name is accomodation owned or rented - Person 1

HOWH13 In whose name is accomodation owned or rented - Person 1  
 HOWH14 In whose name is accomodation owned or rented - Person 1  
 HOWH15 In whose name is accomodation owned or rented - Person 1  
 HOWH16 In whose name is accomodation owned or rented - Person 1  
 HOWH2 In whose name is accomodation owned or rented - Person 2  
 HOWH3 In whose name is accomodation owned or rented - Person 3  
 HOWH4 In whose name is accomodation owned or rented - Person 4  
 HOWH5 In whose name is accomodation owned or rented - Person 5  
 HOWH6 In whose name is accomodation owned or rented - Person 6  
 HOWH7 In whose name is accomodation owned or rented - Person 7  
 HOWH8 In whose name is accomodation owned or rented - Person 8  
 HOWH9 In whose name is accomodation owned or rented - Person 9  
 IDAHHW5 Analytical Wave 5 household serial number  
 PERID Household Number (PersNo)

## Wave 5 Financial:

COUPID couple id - splits couples where one member in an instit  
 HDEBT\_HH\_I HH primary housing debt (hovml/hsvml2-5/hsvl-7) - value  
 HDEBT\_HH\_T HH primary housing debt (hovml/hsvml2-5/hsvl-7) - imput  
 HSVAL\_HH\_I HH current value of primary house (hosellp) - value (inc  
 HSVAL\_HH\_T HH current value of primary house (hosellp) - imputation

## Wave 6 Core:

HOWH1 in whose name is accomodation owned or rented - person 1  
 HOWH10 in whose name is accomodation owned or rented - person 1  
 HOWH11 in whose name is accomodation owned or rented - person 1  
 HOWH12 in whose name is accomodation owned or rented - person 1  
 HOWH13 in whose name is accomodation owned or rented - person 1  
 HOWH14 in whose name is accomodation owned or rented - person 1  
 HOWH15 in whose name is accomodation owned or rented - person 1  
 HOWH16 in whose name is accomodation owned or rented - person 1  
 HOWH2 in whose name is accomodation owned or rented - person 2  
 HOWH3 in whose name is accomodation owned or rented - person 3  
 HOWH4 in whose name is accomodation owned or rented - person 4  
 HOWH5 in whose name is accomodation owned or rented - person 5  
 HOWH6 in whose name is accomodation owned or rented - person 6  
 HOWH7 in whose name is accomodation owned or rented - person 7  
 HOWH8 in whose name is accomodation owned or rented - person 8  
 HOWH9 in whose name is accomodation owned or rented - person 9  
 IDAHHW6 analytical wave 6 household serial number  
 PERID household number (persno)

## Wave 6 Financial:

COUPID couple id - splits couples where one member in an instit  
 HDEBT\_HH\_I HH primary housing debt (hovml/hsvml2-5/hsvl-7) - value  
 HDEBT\_HH\_T HH primary housing debt (hovml/hsvml2-5/hsvl-7) - imput  
 HSVAL\_HH\_I HH current value of primary house (hosellp) - value (inc  
 HSVAL\_HH\_T HH current value of primary house (hosellp) - imputation

## Wave 7 Core:

HOWH1 in whose name is accomodation owned or rented - person 1  
 HOWH10 in whose name is accomodation owned or rented - person 1  
 HOWH11 in whose name is accomodation owned or rented - person 1  
 HOWH12 in whose name is accomodation owned or rented - person 1  
 HOWH13 in whose name is accomodation owned or rented - person 1  
 HOWH14 in whose name is accomodation owned or rented - person 1  
 HOWH15 in whose name is accomodation owned or rented - person 1  
 HOWH16 in whose name is accomodation owned or rented - person 1  
 HOWH2 in whose name is accomodation owned or rented - person 2  
 HOWH3 in whose name is accomodation owned or rented - person 3  
 HOWH4 in whose name is accomodation owned or rented - person 4  
 HOWH5 in whose name is accomodation owned or rented - person 5  
 HOWH6 in whose name is accomodation owned or rented - person 6  
 HOWH7 in whose name is accomodation owned or rented - person 7  
 HOWH8 in whose name is accomodation owned or rented - person 8  
 HOWH9 in whose name is accomodation owned or rented - person 9  
 IDAHHW7 analytical wave 7 household serial number

PERID person number (persno)

Wave 7 Financial:

COUPID couple id - splits couples where one member in an instit  
HDEBT\_HH\_I HH primary housing debt (hovml/hsvml2-5/hsvel-7) - value  
HDEBT\_HH\_T HH primary housing debt (hovml/hsvml2-5/hsvel-7) - imput  
HSVAL\_HH\_I HH current value of primary house (hosellp) - value (inc  
HSVAL\_HH\_T HH current value of primary house (hosellp) - imputation

Wave 8 Core:

HOWH1 in whose name is accommodation owned or rented: person 1  
HOWH10 in whose name is accommodation owned or rented: person 1  
HOWH11 in whose name is accommodation owned or rented: person 1  
HOWH12 in whose name is accommodation owned or rented: person 1  
HOWH13 in whose name is accommodation owned or rented: person 1  
HOWH14 in whose name is accommodation owned or rented: person 1  
HOWH15 in whose name is accommodation owned or rented: person 1  
HOWH16 in whose name is accommodation owned or rented: person 1  
HOWH2 in whose name is accommodation owned or rented: person 2  
HOWH3 in whose name is accommodation owned or rented: person 3  
HOWH4 in whose name is accommodation owned or rented: person 4  
HOWH5 in whose name is accommodation owned or rented: person 5  
HOWH6 in whose name is accommodation owned or rented: person 6  
HOWH7 in whose name is accommodation owned or rented: person 7  
HOWH8 in whose name is accommodation owned or rented: person 8  
HOWH9 in whose name is accommodation owned or rented: person 9  
IDAHHW8 analytical wave 8 household serial number  
PERID person number in household

Wave 8 Financial:

COUPID couple id - splits couples where one member in an instit  
HDEBT\_HH\_I HH primary housing debt (hovml/hsvml2-5/hsvel-7) - value  
HDEBT\_HH\_T HH primary housing debt (hovml/hsvml2-5/hsvel-7) - imput  
HSVAL\_HH\_I HH current value of primary house (hosellp) - value (inc  
HSVAL\_HH\_T HH current value of primary house (hosellp) - imputation

Wave 9 Core:

HOWH1 In whose name is accommodation owned or rented: person 1  
HOWH10 In whose name is accommodation owned or rented: person 1  
HOWH11 In whose name is accommodation owned or rented: person 1  
HOWH12 In whose name is accommodation owned or rented: person 1  
HOWH13 In whose name is accommodation owned or rented: person 1  
HOWH14 In whose name is accommodation owned or rented: person 1  
HOWH15 In whose name is accommodation owned or rented: person 1  
HOWH16 In whose name is accommodation owned or rented: person 1  
HOWH2 In whose name is accommodation owned or rented: person 2  
HOWH3 In whose name is accommodation owned or rented: person 3  
HOWH4 In whose name is accommodation owned or rented: person 4  
HOWH5 In whose name is accommodation owned or rented: person 5  
HOWH6 In whose name is accommodation owned or rented: person 6  
HOWH7 In whose name is accommodation owned or rented: person 7  
HOWH8 In whose name is accommodation owned or rented: person 8  
HOWH9 In whose name is accommodation owned or rented: person 9  
IDAHHW9 Analytical Wave 9 household serial number  
PERID Person number in household

Wave 9 Financial:

COUPID couple id - splits couples where one member in an instit  
HDEBT\_HH\_I HH primary housing debt (hovml/hsvml2-5/hsvel-7) - value  
HDEBT\_HH\_T HH primary housing debt (hovml/hsvml2-5/hsvel-7) - imput  
HSVAL\_HH\_I HH current value of primary house (hosellp) - value (inc  
HSVAL\_HH\_T HH current value of primary house (hosellp) - imputation



### Net Value of Non-Housing Financial Wealth

Wave	Variable	Label	Type
1	H1ATOTF	h1atotf:w1 non-housing financial wealth	Cont
2	H2ATOTF	h2atotf:w2 non-housing financial wealth	Cont
3	H3ATOTF	h3atotf:w3 non-housing financial wealth	Cont
4	H4ATOTF	h4atotf:w4 non-housing financial wealth	Cont
5	H5ATOTF	h5atotf:w5 non-housing financial wealth	Cont
6	H6ATOTF	h6atotf:w6 non-housing financial wealth	Cont
7	H7ATOTF	h7atotf:w7 non-housing financial wealth	Cont
8	H8ATOTF	h8atotf:w8 non-housing financial wealth	Cont
9	H9ATOTF	h9atotf:w9 non-housing financial wealth	Cont
1	H1AFTOTF	h1aftotf:w1 flag: non-housing financial wealth	Categ
2	H2AFTOTF	h2aftotf:w2 flag: non-housing financial wealth	Categ
3	H3AFTOTF	h3aftotf:w3 flag: non-housing financial wealth	Categ
4	H4AFTOTF	h4aftotf:w4 flag: non-housing financial wealth	Categ
5	H5AFTOTF	h5aftotf:w5 flag: non-housing financial wealth	Categ
6	H6AFTOTF	h6aftotf:w6 flag: non-housing financial wealth	Categ
7	H7AFTOTF	h7aftotf:w7 flag: non-housing financial wealth	Categ
8	H8AFTOTF	h8aftotf:w8 flag: non-housing financial wealth	Categ
9	H9AFTOTF	h9aftotf:w9 flag: non-housing financial wealth	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTF	11891	42685.29	116605.37	-159200.00	3296064.00
H2ATOTF	9310	54548.55	163764.88	-72000.00	6840000.00
H3ATOTF	9518	60595.23	168241.83	-87000.00	3631500.00
H4ATOTF	10755	74777.92	245198.39	-112000.00	6966010.00
H5ATOTF	10043	74668.12	175717.08	-109800.00	4655100.00
H6ATOTF	10362	89670.65	305521.37	-87434.00	11700000.00
H7ATOTF	9417	91942.55	233793.52	-89997.00	7480994.00
H8ATOTF	8301	110657.12	243229.83	-79800.00	5265000.00
H9ATOTF	8579	125159.33	277559.00	-101000.00	4316100.00
H1AFTOTF	12099	2.14	1.92	1.00	9.00
H2AFTOTF	9432	1.94	1.80	1.00	9.00
H3AFTOTF	9766	2.10	2.07	1.00	10.00
H4AFTOTF	11050	2.15	2.09	1.00	10.00
H5AFTOTF	10274	2.07	2.03	1.00	10.00
H6AFTOTF	10601	2.13	2.07	1.00	10.00
H7AFTOTF	9666	2.17	2.13	1.00	10.00
H8AFTOTF	8445	1.95	1.90	1.00	10.00
H9AFTOTF	8736	2.00	1.91	1.00	10.00

### Categorical Variable Codes

Value-----	H1AFTOTF	H2AFTOTF	H3AFTOTF	H4AFTOTF	H5AFTOTF
1.continuous value	7470	6581	6794	7413	7156
2.closed range bracket	2009	1107	959	1203	982
3.open range bracket	227	164	173	306	258
5.no value/bracket	1490	1025	974	1134	1066
6.no asset	419	260	236	248	179
7.dk	276	173	382	451	402
9.non-responding spouse	208	122	197	227	159
10.institutional interview			51	68	72
Value-----	H6AFTOTF	H7AFTOTF	H8AFTOTF	H9AFTOTF	

1.continuous value	7336	6657	6123	6151
2.closed range bracket	877	752	665	719
3.open range bracket	315	276	314	383
5.no value/bracket	1158	1104	795	948
6.no asset	240	189	121	140
7.dk	436	439	283	238
9.non-responding spouse	164	185	86	103
10.institutional interview	75	64	58	54

## How Constructed

From Waves 1 to 8, HwATOTF is based on information from the derived variables (including imputations):

save\_bu\_i represents the total amount that the respondent and husband/wife/partner have in savings at the bank, building society or elsewhere, including imputations.

tessa\_bu\_i represents the total amount that the respondent and husband/wife/partner have in their TESSA (Tax Exempt Special Saving Account), including imputations.

cashisa\_bu\_i represents the total amount that the respondent and husband/wife/partner have in the cash components of their ISA(s) (A tax efficient saving plan that allows individuals in the UK to invest in a number of different ways: cash (including National Savings), Life Insurance and Equity Investments (unit trusts, OEICS, investment trusts, shares, etc.)), including imputations.

shisa\_bu\_i represents the total value of the stocks and shares component of the respondent and husband's/wife's/partner's ISA(s), including imputations.

prbonds\_bu\_i represents the total amount that the respondent and husband/wife/partner have in premium bonds, including imputations.

nsav\_bu\_i represents the total amount that the respondent and husband/wife/partner have in National Savings Accounts or Certificates, including imputations.

pep\_bu\_i represents the net value of the respondent's and husband's/wife's/partner's Personal Equity Plan(s) (An investment plan in the UK that allows people over the age of 18 to invest in shares of UK companies), including imputations.

shares\_bu\_i represents the total value of the respondent's and husband's/wife's/partner's stocks and shares, including imputations.

trusts\_bu\_i represents the total value of the respondent's and husband's/wife's/partner's trusts or Investment trusts, including imputations.

bonds\_bu\_i represents the total value of the respondent's and husband's/wife's/partner's bonds and gilts, including imputations.

othsav\_bu\_i represents the total amount that the respondent and husband/wife/partner have in other savings and investments, including imputations.

jntass\_bu\_i represents the respondent's share of joint savings, investments, property or other assets that are held jointly with the husband/wife/partner, for those couples who keep their finances separate.

ccard\_bu\_i represents the outstanding balance on credit cards or store cards after the last monthly payment was made, including imputations.

prdebt\_bu\_i represents the total amount that the respondent and husband/wife/partner owe to friends, relatives, or other private individuals, including imputations.

odebt\_bu\_i represents the total amount that the respondent and husband/wife/partner owe in: hire purchase agreements, personal loans (from bank, building society or other financial institutions), overdraft, catalogue or mail order purchase agreements, DSS Social fund loan or Loan from a money lender or "tally man", including imputations.

From Wave 9 onwards, HwATOTF does not include the variables `tessa_bu_i` and `pep_bu_i`, since the questions based on these variables are no longer asked starting in Wave 9. The TESSA and PEP accounts they represented do not exist anymore. These kinds of accounts have been almost completely replaced by ISA accounts, specifically, in 1999 TESSA accounts were converted to cash ISA accounts and PEP accounts were converted to stocks and share ISA accounts. Therefore, the cross-wave variables HwATOTF are still comparable before and after Wave 9.

HwATOTF is derived at the "benefit unit" level. In ELSA, this is a couple or a single person with any dependent children they may have. Therefore, the information reported is combined for those couples keeping finances separately in order to obtain a benefit unit definition. Imputations were not obtained for: 1) couples where neither member answers the IA module; 2) couples keeping separate finances where one member does not answer the IA module; 3) singles who do not answer the IA module; 4) respondents living in institutions starting in Wave 3. We recoded these cases to a missing indicator, `.m`. HwATOTF is set to blank missing (`.`) if the respondent did not participate in the current wave.

From Wave 1 to 8, the net value of non-housing debt is computed as the sum of the appropriate wealth components less debt:

```
(save_bu_i+ tessa_bu_i+ cashisa_bu_i+ shisa_bu_i+ prbonds_bu_i+ nsav_bu_i+ pep_bu_i+ shares_bu_i+
trusts_bu_i+ bonds_bu_i+ othsav_bu_i+ jntass_bu_i - ccard_bu_i - prdebt_bu_i - odebt_bu_i)
```

In Wave 9, the calculation excludes the variables `tessa_bu_i` and `pep_bu_i`, since TESSA and PEP accounts do not exist anymore:

```
(save_bu_i+ cashisa_bu_i+ shisa_bu_i+ prbonds_bu_i+ nsav_bu_i+ shares_bu_i+ trusts_bu_i+ bonds_bu_i+
othsav_bu_i+ jntass_bu_i - ccard_bu_i - prdebt_bu_i - odebt_bu_i)
```

From Wave 1 to 8, HwAFTOTF is a flag variable based on the original flag variables (`save_bu_t`, `tessa_bu_t`, `cashisa_bu_t`, `shisa_bu_t`, `prbonds_bu_t`, `nsav_bu_t`, `pep_bu_t`, `shares_bu_t`, `trusts_bu_t`, `bonds_bu_t`, `othsav_bu_t`, `jntass_bu_t`, `ccard_bu_t`, `prdebt_bu_t`, `odebt_bu_t`), indicating response types for the market value of non-housing financial wealth. In Wave 9, HwATOTF is based only on the flag variables (`save_bu_t`, `cashisa_bu_t`, `shisa_bu_t`, `prbonds_bu_t`, `nsav_bu_t`, `shares_bu_t`, `trusts_bu_t`, `bonds_bu_t`, `othsav_bu_t`, `jntass_bu_t`, `ccard_bu_t`, `prdebt_bu_t`, `odebt_bu_t`).

Note: This total does NOT include the value of life insurances or pension plans, nor does it include the value of any real estate, vehicles, or businesses.

## Cross Wave Differences in ELSA

The net value of current and savings accounts is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include an interviewer check when a respondent reports having more than £200,000 in their National Savings Accounts or Certificates. Waves 1 and 2 also include an interviewer check when a respondent reports having more than £300,000 in their current savings account. These checks are not included in the waves following Wave 2.

The net value of bonds is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include an interviewer check when a respondent reports expecting to receive more than £200,000 from the sale of their bonds and gilts. Waves 1 and 2 also include an interviewer check when a respondent reports having more than £10,000 in premium bonds. These checks are not included in the waves following Wave 2.

From Wave 1 to 8, the net value of ISA, PEPS, and TESSA is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include an interviewer check when a respondent reports having more than £40,000 in the cash component of their ISA or more than £100,000 in the stock and share component of their ISA. Waves 1 and 2 also include an interviewer check when a respondent reports expecting to receive more than £200,000 from the sale of their personal equity plan(s). Waves 1 and 2 also include an interviewer check when a respondent reports having more than £100,000 in their TESSA account(s). These checks are not included in the waves following Wave 2. In Wave 9, only the net value of ISA is recorded, not the one of PEPS and TESSA, since these

kinds of accounts do not exist anymore. Since they have been replaced by ISA accounts, the variables in this subsection are still comparable before and after Wave 9.

The net value of other debt is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include an interviewer check when a respondent reports having an outstanding balance on their credit or store cards larger than £50,000. Waves 1 and 2 also include an interviewer check when a respondent reports owing more than £50,000 on other loans and debt. Waves 1 and 2 also include an interviewer check when a respondent reports owing more than £50,000 to friends or relatives. These checks are not included in the waves following Wave 2.

The value of other savings or investments is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include an interviewer check when a respondent reports having an outstanding balance on their credit or store cards larger than £50,000. Waves 1 and 2 also include an interviewer check when a respondent reports owing more than £50,000 on other loans and debt. Waves 1 and 2 also include an interviewer check when a respondent reports having more than £200,000 in other savings or investments. These checks are not included in the waves following Wave 2.

### Differences with the RAND HRS/Harmonized HRS

Net value of non-housing financial wealth in ELSA is measured in nominal pounds, whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

### ELSA Variables Used

#### Wave 1 Financial:

BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
CASHISA_BU_I	BU Cash ISA (iacisa) - value (incl. imputed values)
CASHISA_BU_T	BU Cash ISA (iacisa) - imputation flag
CCARD_BU_I	BU credit card debt (iadebm) - value (incl. imputed values)
CCARD_BU_T	BU credit card debt (iadebm) - imputation flag
JNTASS_BU_I	BU joint assets (sep fin couples) (iaam) - value (incl. imputed values)
JNTASS_BU_T	BU joint assets (sep fin couples) (iaam) - imputation flag
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed values)
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
ODEBT_BU_I	BU other loans and debt (ialoam) - value (incl. imputed values)
ODEBT_BU_T	BU other loans and debt (ialoam) - imputation flag
OTHSAV_BU_I	BU other savings and investments (iasio) - value (incl. imputed values)
OTHSAV_BU_T	BU other savings and investments (iasio) - imputation flag
PEP_BU_I	BU PEPs (iaip) - value (incl. imputed values)
PEP_BU_T	BU PEPs (iaip) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
PRDEBT_BU_I	BU private debt (iaowem) - value (incl. imputed values)
PRDEBT_BU_T	BU private debt (iaowem) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed values)
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
SHARES_BU_I	BU Shares (iasss) - value (incl. imputed values)
SHARES_BU_T	BU Shares (iasss) - imputation flag
SHISA_BU_I	BU Shares ISA (iasisa) - value (incl. imputed values)
SHISA_BU_T	BU Shares ISA (iasisa) - imputation flag
TESSA_BU_I	BU TESSA (iati) - value (incl. imputed values)
TESSA_BU_T	BU TESSA (iati) - imputation flag
TRUSTS_BU_I	BU Trusts (iauit) - value (incl. imputed values)
TRUSTS_BU_T	BU Trusts (iauit) - imputation flag

#### Wave 2 Financial:

BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag

CASHISA\_BU\_I BU Cash ISA (iacisa) - value (incl. imputed values)  
 CASHISA\_BU\_T BU Cash ISA (iacisa) - imputation flag  
 CCARD\_BU\_I BU credit card debt (iadebm) - value (incl. imputed valu  
 CCARD\_BU\_T BU credit card debt (iadebm) - imputation flag  
 JNTASS\_BU\_I BU joint assets (sep fin couples) (iaam) - value (incl.  
 JNTASS\_BU\_T BU joint assets (sep fin couples) (iaam) - imputation fl  
 NSAV\_BU\_I BU National Savings a/cs (ians) - value (incl. imputed v  
 NSAV\_BU\_T BU National Savings a/cs (ians) - imputation flag  
 ODEBT\_BU\_I BU other loans and debt (ialoam) - value (incl. imputed  
 ODEBT\_BU\_T BU other loans and debt (ialoam) - imputation flag  
 OTHSAV\_BU\_I BU other savings and investments (iasio) - value (incl.  
 OTHSAV\_BU\_T BU other savings and investments (iasio) - imputation fl  
 PEP\_BU\_I BU PEPs (iaip) - value (incl. imputed values)  
 PEP\_BU\_T BU PEPs (iaip) - imputation flag  
 PRBONDS\_BU\_I BU Premium Bonds (ianpb) - value (incl. imputed values)  
 PRBONDS\_BU\_T BU Premium Bonds (ianpb) - imputation flag  
 PRDEBT\_BU\_I BU private debt (iaowem) - value (incl. imputed values)  
 PRDEBT\_BU\_T BU private debt (iaowem) - imputation flag  
 SAVE\_BU\_I BU current/savings a/cs (iasava) - value (incl. imputed  
 SAVE\_BU\_T BU current/savings a/cs (iasava) - imputation flag  
 SHARES\_BU\_I BU Shares (iasss) - value (incl. imputed values)  
 SHARES\_BU\_T BU Shares (iasss) - imputation flag  
 SHISA\_BU\_I BU Shares ISA (iasisa) - value (incl. imputed values)  
 SHISA\_BU\_T BU Shares ISA (iasisa) - imputation flag  
 TESSA\_BU\_I BU TESSA (iati) - value (incl. imputed values)  
 TESSA\_BU\_T BU TESSA (iati) - imputation flag  
 TRUSTS\_BU\_I BU Trusts (iauit) - value (incl. imputed values)  
 TRUSTS\_BU\_T BU Trusts (iauit) - imputation flag

## Wave 3 Financial:

BONDS\_BU\_I BU Bonds and Gilts (iabg) - value (incl. imputed values)  
 BONDS\_BU\_T BU Bonds and Gilts (iabg) - imputation flag  
 CASHISA\_BU\_I BU Cash ISA (iacisa) - value (incl. imputed values)  
 CASHISA\_BU\_T BU Cash ISA (iacisa) - imputation flag  
 CCARD\_BU\_I BU credit card debt (iadebm) - value (incl. imputed valu  
 CCARD\_BU\_T BU credit card debt (iadebm) - imputation flag  
 JNTASS\_BU\_I BU joint assets (sep fin couples) (iaam) - value (incl.  
 JNTASS\_BU\_T BU joint assets (sep fin couples) (iaam) - imputation fl  
 NSAV\_BU\_I BU National Savings a/cs (ians) - value (incl. imputed v  
 NSAV\_BU\_T BU National Savings a/cs (ians) - imputation flag  
 ODEBT\_BU\_I BU other loans and debt (ialoam) - value (incl. imputed  
 ODEBT\_BU\_T BU other loans and debt (ialoam) - imputation flag  
 OTHSAV\_BU\_I BU other savings and investments (iasio) - value (incl.  
 OTHSAV\_BU\_T BU other savings and investments (iasio) - imputation fl  
 PEP\_BU\_I BU PEPs (iaip) - value (incl. imputed values)  
 PEP\_BU\_T BU PEPs (iaip) - imputation flag  
 PRBONDS\_BU\_I BU Premium Bonds (ianpb) - value (incl. imputed values)  
 PRBONDS\_BU\_T BU Premium Bonds (ianpb) - imputation flag  
 PRDEBT\_BU\_I BU private debt (iaowem) - value (incl. imputed values)  
 PRDEBT\_BU\_T BU private debt (iaowem) - imputation flag  
 SAVE\_BU\_I BU current/savings a/cs (iasava) - value (incl. imputed  
 SAVE\_BU\_T BU current/savings a/cs (iasava) - imputation flag  
 SHARES\_BU\_I BU Shares (iasss) - value (incl. imputed values)  
 SHARES\_BU\_T BU Shares (iasss) - imputation flag  
 SHISA\_BU\_I BU Shares ISA (iasisa) - value (incl. imputed values)  
 SHISA\_BU\_T BU Shares ISA (iasisa) - imputation flag  
 TESSA\_BU\_I BU TESSA (iati) - value (incl. imputed values)  
 TESSA\_BU\_T BU TESSA (iati) - imputation flag  
 TRUSTS\_BU\_I BU Trusts (iauit) - value (incl. imputed values)  
 TRUSTS\_BU\_T BU Trusts (iauit) - imputation flag

## Wave 4 Financial:

BONDS\_BU\_I BU Bonds and Gilts (iabg) - value (incl. imputed values)  
 BONDS\_BU\_T BU Bonds and Gilts (iabg) - imputation flag  
 CASHISA\_BU\_I BU Cash ISA (iacisa) - value (incl. imputed values)

CASHISA_BU_T	BU Cash ISA (iacisa) - imputation flag
CCARD_BU_I	BU credit card debt (iadebm) - value (incl. imputed valu
CCARD_BU_T	BU credit card debt (iadebm) - imputation flag
JNTASS_BU_I	BU joint assets (sep fin couples) (iaam) - value (incl.
JNTASS_BU_T	BU joint assets (sep fin couples) (iaam) - imputation fl
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
ODEBT_BU_I	BU other loans and debt (ialoam) - value (incl. imputed
ODEBT_BU_T	BU other loans and debt (ialoam) - imputation flag
OTHSAV_BU_I	BU other savings and investments (iasio) - value (incl.
OTHSAV_BU_T	BU other savings and investments (iasio) - imputation fl
PEP_BU_I	BU PEPs (iaip) - value (incl. imputed values)
PEP_BU_T	BU PEPs (iaip) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
PRDEBT_BU_I	BU private debt (iaowem) - value (incl. imputed values)
PRDEBT_BU_T	BU private debt (iaowem) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
SHARES_BU_I	BU Shares (iasss) - value (incl. imputed values)
SHARES_BU_T	BU Shares (iasss) - imputation flag
SHISA_BU_I	BU Shares ISA (iasisa) - value (incl. imputed values)
SHISA_BU_T	BU Shares ISA (iasisa) - imputation flag
TESSA_BU_I	BU TESSA (iati) - value (incl. imputed values)
TESSA_BU_T	BU TESSA (iati) - imputation flag
TRUSTS_BU_I	BU Trusts (iauit) - value (incl. imputed values)
TRUSTS_BU_T	BU Trusts (iauit) - imputation flag
Wave 5 Financial:	
BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
CASHISA_BU_I	BU Cash ISA (iacisa) - value (incl. imputed values)
CASHISA_BU_T	BU Cash ISA (iacisa) - imputation flag
CCARD_BU_I	BU credit card debt (iadebm) - value (incl. imputed valu
CCARD_BU_T	BU credit card debt (iadebm) - imputation flag
JNTASS_BU_I	BU joint assets (sep fin couples) (iaam) - value (incl.
JNTASS_BU_T	BU joint assets (sep fin couples) (iaam) - imputation fl
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
ODEBT_BU_I	BU other loans and debt (ialoam) - value (incl. imputed
ODEBT_BU_T	BU other loans and debt (ialoam) - imputation flag
OTHSAV_BU_I	BU other savings and investments (iasio) - value (incl.
OTHSAV_BU_T	BU other savings and investments (iasio) - imputation fl
PEP_BU_I	BU PEPs (iaip) - value (incl. imputed values)
PEP_BU_T	BU PEPs (iaip) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
PRDEBT_BU_I	BU private debt (iaowem) - value (incl. imputed values)
PRDEBT_BU_T	BU private debt (iaowem) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
SHARES_BU_I	BU Shares (iasss) - value (incl. imputed values)
SHARES_BU_T	BU Shares (iasss) - imputation flag
SHISA_BU_I	BU Shares ISA (iasisa) - value (incl. imputed values)
SHISA_BU_T	BU Shares ISA (iasisa) - imputation flag
TESSA_BU_I	BU TESSA (iati) - value (incl. imputed values)
TESSA_BU_T	BU TESSA (iati) - imputation flag
TRUSTS_BU_I	BU Trusts (iauit) - value (incl. imputed values)
TRUSTS_BU_T	BU Trusts (iauit) - imputation flag
Wave 6 Financial:	
BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
CASHISA_BU_I	BU Cash ISA (iacisa) - value (incl. imputed values)
CASHISA_BU_T	BU Cash ISA (iacisa) - imputation flag

CCARD_BU_I	BU credit card debt (iadebm) - value (incl. imputed valu
CCARD_BU_T	BU credit card debt (iadebm) - imputation flag
JNTASS_BU_I	BU joint assets (sep fin couples) (iaam) - value (incl.
JNTASS_BU_T	BU joint assets (sep fin couples) (iaam) - imputation fl
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
ODEBT_BU_I	BU other loans and debt (ialoam) - value (incl. imputed
ODEBT_BU_T	BU other loans and debt (ialoam) - imputation flag
OTHSAV_BU_I	BU other savings and investments (iasio) - value (incl.
OTHSAV_BU_T	BU other savings and investments (iasio) - imputation fl
PEP_BU_I	BU PEPs (iaip) - value (incl. imputed values)
PEP_BU_T	BU PEPs (iaip) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
PRDEBT_BU_I	BU private debt (iaowem) - value (incl. imputed values)
PRDEBT_BU_T	BU private debt (iaowem) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
SHARES_BU_I	BU Shares (iasss) - value (incl. imputed values)
SHARES_BU_T	BU Shares (iasss) - imputation flag
SHISA_BU_I	BU Shares ISA (iasisa) - value (incl. imputed values)
SHISA_BU_T	BU Shares ISA (iasisa) - imputation flag
TESSA_BU_I	BU TESSA (iati) - value (incl. imputed values)
TESSA_BU_T	BU TESSA (iati) - imputation flag
TRUSTS_BU_I	BU Trusts (iauit) - value (incl. imputed values)
TRUSTS_BU_T	BU Trusts (iauit) - imputation flag
Wave 7 Financial:	
BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
CASHISA_BU_I	BU Cash ISA (iacisa) - value (incl. imputed values)
CASHISA_BU_T	BU Cash ISA (iacisa) - imputation flag
CCARD_BU_I	BU credit card debt (iadebm) - value (incl. imputed valu
CCARD_BU_T	BU credit card debt (iadebm) - imputation flag
JNTASS_BU_I	BU joint assets (sep fin couples) (iaam) - value (incl.
JNTASS_BU_T	BU joint assets (sep fin couples) (iaam) - imputation fl
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
ODEBT_BU_I	BU other loans and debt (ialoam) - value (incl. imputed
ODEBT_BU_T	BU other loans and debt (ialoam) - imputation flag
OTHSAV_BU_I	BU other savings and investments (iasio) - value (incl.
OTHSAV_BU_T	BU other savings and investments (iasio) - imputation fl
PEP_BU_I	BU PEPs (iaip) - value (incl. imputed values)
PEP_BU_T	BU PEPs (iaip) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
PRDEBT_BU_I	BU private debt (iaowem) - value (incl. imputed values)
PRDEBT_BU_T	BU private debt (iaowem) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
SHARES_BU_I	BU Shares (iasss) - value (incl. imputed values)
SHARES_BU_T	BU Shares (iasss) - imputation flag
SHISA_BU_I	BU Shares ISA (iasisa) - value (incl. imputed values)
SHISA_BU_T	BU Shares ISA (iasisa) - imputation flag
TESSA_BU_I	BU TESSA (iati) - value (incl. imputed values)
TESSA_BU_T	BU TESSA (iati) - imputation flag
TRUSTS_BU_I	BU Trusts (iauit) - value (incl. imputed values)
TRUSTS_BU_T	BU Trusts (iauit) - imputation flag
Wave 8 Financial:	
BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
CASHISA_BU_I	BU Cash ISA (iacisa) - value (incl. imputed values)
CASHISA_BU_T	BU Cash ISA (iacisa) - imputation flag
CCARD_BU_I	BU credit card debt (iadebm) - value (incl. imputed valu

CCARD\_BU\_T BU credit card debt (iadebm) - imputation flag  
 JNTASS\_BU\_I BU joint assets (sep fin couples) (iaam) - value (incl.  
 JNTASS\_BU\_T BU joint assets (sep fin couples) (iaam) - imputation fl  
 NSAV\_BU\_I BU National Savings a/cs (ians) - value (incl. imputed v  
 NSAV\_BU\_T BU National Savings a/cs (ians) - imputation flag  
 ODEBT\_BU\_I BU other loans and debt (ialoam) - value (incl. imputed  
 ODEBT\_BU\_T BU other loans and debt (ialoam) - imputation flag  
 OTHSAV\_BU\_I BU other savings and investments (iasio) - value (incl.  
 OTHSAV\_BU\_T BU other savings and investments (iasio) - imputation fl  
 PEP\_BU\_I BU PEPs (iaip) - value (incl. imputed values)  
 PEP\_BU\_T BU PEPs (iaip) - imputation flag  
 PRBONDS\_BU\_I BU Premium Bonds (ianpb) - value (incl. imputed values)  
 PRBONDS\_BU\_T BU Premium Bonds (ianpb) - imputation flag  
 PRDEBT\_BU\_I BU private debt (iaowem) - value (incl. imputed values)  
 PRDEBT\_BU\_T BU private debt (iaowem) - imputation flag  
 SAVE\_BU\_I BU current/savings a/cs (iasava) - value (incl. imputed  
 SAVE\_BU\_T BU current/savings a/cs (iasava) - imputation flag  
 SHARES\_BU\_I BU Shares (iasss) - value (incl. imputed values)  
 SHARES\_BU\_T BU Shares (iasss) - imputation flag  
 SHISA\_BU\_I BU Shares ISA (iasisa) - value (incl. imputed values)  
 SHISA\_BU\_T BU Shares ISA (iasisa) - imputation flag  
 TESSA\_BU\_I BU TESSA (iati) - value (incl. imputed values)  
 TESSA\_BU\_T BU TESSA (iati) - imputation flag  
 TRUSTS\_BU\_I BU Trusts (iauit) - value (incl. imputed values)  
 TRUSTS\_BU\_T BU Trusts (iauit) - imputation flag

## Wave 9 Financial:

BONDS\_BU\_I BU Bonds and Gilts (iabg) - value (incl. imputed values)  
 BONDS\_BU\_T BU Bonds and Gilts (iabg) - imputation flag  
 CASHISA\_BU\_I BU Cash ISA (iacisa) - value (incl. imputed values)  
 CASHISA\_BU\_T BU Cash ISA (iacisa) - imputation flag  
 CCARD\_BU\_I BU credit card debt (iadebm) - value (incl. imputed valu  
 CCARD\_BU\_T BU credit card debt (iadebm) - imputation flag  
 JNTASS\_BU\_I BU joint assets (sep fin couples) (iaam) - value (incl.  
 JNTASS\_BU\_T BU joint assets (sep fin couples) (iaam) - imputation fl  
 NSAV\_BU\_I BU National Savings a/cs (ians) - value (incl. imputed v  
 NSAV\_BU\_T BU National Savings a/cs (ians) - imputation flag  
 ODEBT\_BU\_I BU other loans and debt (ialoam) - value (incl. imputed  
 ODEBT\_BU\_T BU other loans and debt (ialoam) - imputation flag  
 OTHSAV\_BU\_I BU other savings and investments (iasio) - value (incl.  
 OTHSAV\_BU\_T BU other savings and investments (iasio) - imputation fl  
 PRBONDS\_BU\_I BU Premium Bonds (ianpb) - value (incl. imputed values)  
 PRBONDS\_BU\_T BU Premium Bonds (ianpb) - imputation flag  
 PRDEBT\_BU\_I BU private debt (iaowem) - value (incl. imputed values)  
 PRDEBT\_BU\_T BU private debt (iaowem) - imputation flag  
 SAVE\_BU\_I BU current/savings a/cs (iasava) - value (incl. imputed  
 SAVE\_BU\_T BU current/savings a/cs (iasava) - imputation flag  
 SHARES\_BU\_I BU Shares (iasss) - value (incl. imputed values)  
 SHARES\_BU\_T BU Shares (iasss) - imputation flag  
 SHISA\_BU\_I BU Shares ISA (iasisa) - value (incl. imputed values)  
 SHISA\_BU\_T BU Shares ISA (iasisa) - imputation flag  
 TRUSTS\_BU\_I BU Trusts (iauit) - value (incl. imputed values)  
 TRUSTS\_BU\_T BU Trusts (iauit) - imputation flag



<b>Total Family Wealth</b>
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Wave	Variable	Label	Type
1	H1ATOTB	h1atotb:w1 total all assets inc. 2nd hm	Cont
2	H2ATOTB	h2atotb:w2 total all assets inc. 2nd hm	Cont
3	H3ATOTB	h3atotb:w3 total all assets inc. 2nd hm	Cont
4	H4ATOTB	h4atotb:w4 total all assets inc. 2nd hm	Cont
5	H5ATOTB	h5atotb:w5 total all assets inc. 2nd hm	Cont
6	H6ATOTB	h6atotb:w6 total all assets inc. 2nd hm	Cont
7	H7ATOTB	h7atotb:w7 total all assets inc. 2nd hm	Cont
8	H8ATOTB	h8atotb:w8 total all assets inc. 2nd hm	Cont
9	H9ATOTB	h9atotb:w9 total all assets inc. 2nd hm	Cont
1	H1AFTOTB	h1aftotb:w1 flag total all assets inc. 2nd hm	Categ
2	H2AFTOTB	h2aftotb:w2 flag total all assets inc. 2nd hm	Categ
3	H3AFTOTB	h3aftotb:w3 flag total all assets inc. 2nd hm	Categ
4	H4AFTOTB	h4aftotb:w4 flag total all assets inc. 2nd hm	Categ
5	H5AFTOTB	h5aftotb:w5 flag total all assets inc. 2nd hm	Categ
6	H6AFTOTB	h6aftotb:w6 flag total all assets inc. 2nd hm	Categ
7	H7AFTOTB	h7aftotb:w7 flag total all assets inc. 2nd hm	Categ
8	H8AFTOTB	h8aftotb:w8 flag total all assets inc. 2nd hm	Categ
9	H9AFTOTB	h9aftotb:w9 flag total all assets inc. 2nd hm	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTB	11891	206911.11	382144.96	-97000.00	10380700.00
H2ATOTB	9310	263546.71	392138.15	-126990.00	9319227.00
H3ATOTB	9518	300900.31	526862.94	-1578980.00	20818008.00
H4ATOTB	10755	331668.35	684661.28	-337330.00	39260152.00
H5ATOTB	10043	335452.48	471210.08	-436410.00	10598000.00
H6ATOTB	10362	367381.47	698911.20	-56772.00	20583000.00
H7ATOTB	9417	406451.95	767556.67	-220000.00	35566000.00
H8ATOTB	8301	458250.68	793832.22	-255990.00	40182500.00
H9ATOTB	8579	490923.75	683499.15	-148000.00	15416100.00
H1AFTOTB	12099	2.46	2.15	1.00	9.00
H2AFTOTB	9432	2.31	2.07	1.00	9.00
H3AFTOTB	9766	2.53	2.36	1.00	10.00
H4AFTOTB	11050	2.69	2.44	1.00	10.00
H5AFTOTB	10274	2.60	2.43	1.00	10.00
H6AFTOTB	10601	2.68	2.48	1.00	10.00
H7AFTOTB	9666	2.75	2.54	1.00	10.00
H8AFTOTB	8445	2.56	2.42	1.00	10.00
H9AFTOTB	8736	2.72	2.49	1.00	10.00

### Categorical Variable Codes

Value-----	H1AFTOTB	H2AFTOTB	H3AFTOTB	H4AFTOTB	H5AFTOTB
1.continuous value	6506	5678	5927	6271	6213
2.closed range bracket	2341	1233	1081	1356	1062
3.open range bracket	364	509	228	310	276
5.no value/bracket	1448	1042	1106	1263	993
6.no asset	283	147	140	145	111
7.dk	949	701	1036	1410	1388
9.non-responding spouse	208	122	197	227	159
10.institutional interview			51	68	72
Value-----	H6AFTOTB	H7AFTOTB	H8AFTOTB	H9AFTOTB	

1.continuous value	6346	5778	5273	5157
2.closed range bracket	949	774	702	733
3.open range bracket	334	273	304	378
5.no value/bracket	1029	960	705	773
6.no asset	139	108	70	73
7.dk	1565	1524	1247	1465
9.non-responding spouse	164	185	86	103
10.institutional interview	75	64	58	54

## How Constructed

HwATOTB is based on information from:

Net value of primary residence, as described previously.

Net value of business, as described previously.

Net value of non-housing financial wealth, as described previously.

This variable is also based on information from the derived variables (including imputations):

home\_bu\_i is the net value of the secondary home residence and other property after paying all the debts, imputation values included.

tothass\_bu\_i is the total value of other physical assets for those reporting having other land, money owed by others, a trust, a covenant or inheritance, or other assets.

All the components of this variable are constructed at the benefit unit level. In ELSA, this is a couple or a single person with any dependent children they may have. Therefore, the information reported is combined for those couples keeping finances separately in order to obtain a benefit unit definition. Imputations were not obtained for respondents whose spouses did not respond to the survey. This includes members of couples who keep finances separately but for whom data for the couple is not available, non-sample members whose spouses (who are sample members) do not respond, as well as for those in institutions starting in Wave 3. These cases are coded as missing, .m. HwATOTB is set to blank missing (.) if the respondent did not participate in the current wave.

Total family wealth is then constructed as the sum of the different wealth components: (Net value of primary residence + Net value of business + Net value of non-housing financial wealth + home\_bu\_i + tohass\_bu\_i)

HwAFTOTB is a flag variable based on the original flag variables (previously defined haftoth, hafbsns, and hlaftotf, as well as home\_bu\_t, tohass\_bu\_t), indicating response types for the components of total family wealth.

## Cross Wave Differences in ELSA

Net value of primary residence, net value of business, and net value of non-housing financial wealth are constructed as defined previously.

Net value of the secondary home residence or holiday home after paying all the debts is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include a confirmation check when a respondent reports expecting more than £500,000 from the sale of the house. Such a check is not included following Wave 2.

Value of other physical assets is asked at each wave for those reporting having other land, money owed by others, a trust, a covenant or inheritance, or other assets. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Waves 1 and 2 include a confirmation check when a respondent reports expecting more than £2,000,000 from the sale of the physical asset. Such a check is not included following Wave 2.

## Differences with the RAND HRS/Harmonized HRS

HwATOTB in the Harmonized ELSA does not include the value of vehicles, whereas HwATOTB in the RAND HRS does include the net value of vehicles.

Total family wealth in ELSA is measured in nominal pounds, whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

## ELSA Variables Used

### Wave 1 Core:

HOWHN01	in whose name is the accommodation owned or rented (1st
HOWHN02	in whose name is the accommodation owned or rented (2nd
HOWHN03	in whose name is the accommodation owned or rented (3rd
HOWHN04	in whose name is the accommodation owned or rented (4th
IDAHHW1	analytical wave-specific household serial number
PERID	person id (same as person number in household grid)

### Wave 1 Financial:

BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
BUSV_BU_I	BU value of business (wpbusv) - value (incl. imputed val
BUSV_BU_T	BU value of business (wpbusv) - imputation flag
CASHISA_BU_I	BU Cash ISA (iacisa) - value (incl. imputed values)
CASHISA_BU_T	BU Cash ISA (iacisa) - imputation flag
CCARD_BU_I	BU credit card debt (iadebm) - value (incl. imputed valu
CCARD_BU_T	BU credit card debt (iadebm) - imputation flag
FARM_BU_I	BU farm or business property (iafbps) - value (incl. imp
FARM_BU_T	BU farm or business property (iafbps) - imputation flag
HDEBT_HH_I	HH primary housing debt (hovml/hsvml2-5/hsvl-7) - value
HDEBT_HH_T	HH primary housing debt (hovml/hsvml2-5/hsvl-7) - imput
HOME_BU_I	BU 2nd home and oth property (iahome) - value (incl. imp
HOME_BU_T	BU 2nd home and oth property (iahome) - imputation flag
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
JNTASS_BU_I	BU joint assets (sep fin couples) (iaam) - value (incl.
JNTASS_BU_T	BU joint assets (sep fin couples) (iaam) - imputation fl
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
ODEBT_BU_I	BU other loans and debt (ialoam) - value (incl. imputed
ODEBT_BU_T	BU other loans and debt (ialoam) - imputation flag
OTHBUSV_BU_I	BU value of oth business (wpvbus) - value (incl. imputed
OTHBUSV_BU_T	BU value of oth business (wpvbus) - imputation flag
OTHSAV_BU_I	BU other savings and investments (iasio) - value (incl.
OTHSAV_BU_T	BU other savings and investments (iasio) - imputation fl
PEP_BU_I	BU PEPs (iaip) - value (incl. imputed values)
PEP_BU_T	BU PEPs (iaip) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
PRDEBT_BU_I	BU private debt (iaowem) - value (incl. imputed values)
PRDEBT_BU_T	BU private debt (iaowem) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
SHARES_BU_I	BU Shares (iasss) - value (incl. imputed values)
SHARES_BU_T	BU Shares (iasss) - imputation flag
SHISA_BU_I	BU Shares ISA (iasisa) - value (incl. imputed values)
SHISA_BU_T	BU Shares ISA (iasisa) - imputation flag
TESSA_BU_I	BU TESSA (iati) - value (incl. imputed values)
TESSA_BU_T	BU TESSA (iati) - imputation flag
TOTHASS_BU_I	BU total other physical assets (iaoasa) - value (incl. i
TOTHASS_BU_T	BU total other physical assets (iaoasa) - imputation fla
TRUSTS_BU_I	BU Trusts (iauit) - value (incl. imputed values)

TRUSTS_BU_T	BU Trusts (iauit) - imputation flag
Wave 2 Core:	
HOWHN01	In whose name is the accommodation owned or rented (1st
HOWHN02	In whose name is the accommodation owned or rented (2nd
HOWHN03	In whose name is the accommodation owned or rented (3rd
HOWHN04	In whose name is the accommodation owned or rented (4th
HOWHN05	In whose name is the accommodation owned or rented (5th m
IDAHHW2	W2 household analytical serial number
PERSNO	Person number
Wave 2 Financial:	
BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
BUSV_BU_I	BU value of business (wpbusv) - value (incl. imputed val
BUSV_BU_T	BU value of business (wpbusv) - imputation flag
CASHISA_BU_I	BU Cash ISA (iacisa) - value (incl. imputed values)
CASHISA_BU_T	BU Cash ISA (iacisa) - imputation flag
CCARD_BU_I	BU credit card debt (iadebm) - value (incl. imputed valu
CCARD_BU_T	BU credit card debt (iadebm) - imputation flag
FARM_BU_I	BU farm or business property (iafbps) - value (incl. imp
FARM_BU_T	BU farm or business property (iafbps) - imputation flag
HDEBT_HH_I	HH primary housing debt (hovml/hsvml2-5/hsvel-7) - value
HDEBT_HH_T	HH primary housing debt (hovml/hsvml2-5/hsvel-7) - imput
HOME_BU_I	BU 2nd home and oth property (iahome) - value (incl. imp
HOME_BU_T	BU 2nd home and oth property (iahome) - imputation flag
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
JNTASS_BU_I	BU joint assets (sep fin couples) (iaam) - value (incl.
JNTASS_BU_T	BU joint assets (sep fin couples) (iaam) - imputation fl
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
ODEBT_BU_I	BU other loans and debt (ialoam) - value (incl. imputed
ODEBT_BU_T	BU other loans and debt (ialoam) - imputation flag
OTHBUSV_BU_I	BU value of oth business (wpvbus) - value (incl. imputed
OTHBUSV_BU_T	BU value of oth business (wpvbus) - imputation flag
OTHSAV_BU_I	BU other savings and investments (iasio) - value (incl.
OTHSAV_BU_T	BU other savings and investments (iasio) - imputation fl
PEP_BU_I	BU PEPs (iaip) - value (incl. imputed values)
PEP_BU_T	BU PEPs (iaip) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
PRDEBT_BU_I	BU private debt (iaowem) - value (incl. imputed values)
PRDEBT_BU_T	BU private debt (iaowem) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
SHARES_BU_I	BU Shares (iasss) - value (incl. imputed values)
SHARES_BU_T	BU Shares (iasss) - imputation flag
SHISA_BU_I	BU Shares ISA (iasisa) - value (incl. imputed values)
SHISA_BU_T	BU Shares ISA (iasisa) - imputation flag
TESSA_BU_I	BU TESSA (iati) - value (incl. imputed values)
TESSA_BU_T	BU TESSA (iati) - imputation flag
TOTHASS_BU_I	BU total other physical assets (iaoasa) - value (incl. i
TOTHASS_BU_T	BU total other physical assets (iaoasa) - imputation fla
TRUSTS_BU_I	BU Trusts (iauit) - value (incl. imputed values)
TRUSTS_BU_T	BU Trusts (iauit) - imputation flag
Wave 3 Core:	
HOWH1	in whose name is accomodation owned or rented - person 1
HOWH10	in whose name is accomodation owned or rented - person 1
HOWH11	in whose name is accomodation owned or rented - person 1
HOWH12	in whose name is accomodation owned or rented - person 1
HOWH2	in whose name is accomodation owned or rented - person 2
HOWH3	in whose name is accomodation owned or rented - person 3
HOWH4	in whose name is accomodation owned or rented - person 4
HOWH5	in whose name is accomodation owned or rented - person 5

HOWH6	in whose name is accomodation owned or rented - person 6
HOWH7	in whose name is accomodation owned or rented - person 7
HOWH8	in whose name is accomodation owned or rented - person 8
HOWH9	in whose name is accomodation owned or rented - person 9
IDAHHW3	w3 household analytical serial number
PERID	person number in the household
Wave 3 Financial:	
BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
BUSV_BU_I	BU value of business (wpbusv) - value (incl. imputed val
BUSV_BU_T	BU value of business (wpbusv) - imputation flag
CASHISA_BU_I	BU Cash ISA (iacisa) - value (incl. imputed values)
CASHISA_BU_T	BU Cash ISA (iacisa) - imputation flag
CCARD_BU_I	BU credit card debt (iadebm) - value (incl. imputed valu
CCARD_BU_T	BU credit card debt (iadebm) - imputation flag
FARM_BU_I	BU farm or business property (iafbps) - value (incl. imp
FARM_BU_T	BU farm or business property (iafbps) - imputation flag
HDEBT_HH_I	HH primary housing debt (hovml/hsvml2-5/hsvl1-7) - value
HDEBT_HH_T	HH primary housing debt (hovml/hsvml2-5/hsvl1-7) - imput
HOME_BU_I	BU 2nd home and oth property (iahome) - value (incl. imp
HOME_BU_T	BU 2nd home and oth property (iahome) - imputation flag
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
JNTASS_BU_I	BU joint assets (sep fin couples) (iaam) - value (incl.
JNTASS_BU_T	BU joint assets (sep fin couples) (iaam) - imputation fl
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
ODEBT_BU_I	BU other loans and debt (ialoam) - value (incl. imputed
ODEBT_BU_T	BU other loans and debt (ialoam) - imputation flag
OTHBUSV_BU_I	BU value of oth business (wpvbus) - value (incl. imputed
OTHBUSV_BU_T	BU value of oth business (wpvbus) - imputation flag
OTHSAV_BU_I	BU other savings and investments (iasio) - value (incl.
OTHSAV_BU_T	BU other savings and investments (iasio) - imputation fl
PEP_BU_I	BU PEPs (iaip) - value (incl. imputed values)
PEP_BU_T	BU PEPs (iaip) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
PRDEBT_BU_I	BU private debt (iaowem) - value (incl. imputed values)
PRDEBT_BU_T	BU private debt (iaowem) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
SHARES_BU_I	BU Shares (iasss) - value (incl. imputed values)
SHARES_BU_T	BU Shares (iasss) - imputation flag
SHISA_BU_I	BU Shares ISA (iasisa) - value (incl. imputed values)
SHISA_BU_T	BU Shares ISA (iasisa) - imputation flag
TESSA_BU_I	BU TESSA (iati) - value (incl. imputed values)
TESSA_BU_T	BU TESSA (iati) - imputation flag
TOTHASS_BU_I	BU total other physical assets (iaoasa) - value (incl. i
TOTHASS_BU_T	BU total other physical assets (iaoasa) - imputation fla
TRUSTS_BU_I	BU Trusts (iauit) - value (incl. imputed values)
TRUSTS_BU_T	BU Trusts (iauit) - imputation flag
Wave 4 Core:	
HOWH1	in whose name is accomodation owned or rented - person 1
HOWH10	in whose name is accomodation owned or rented - person 1
HOWH11	in whose name is accomodation owned or rented - person 1
HOWH12	in whose name is accomodation owned or rented - person 1
HOWH2	in whose name is accomodation owned or rented - person 2
HOWH3	in whose name is accomodation owned or rented - person 3
HOWH4	in whose name is accomodation owned or rented - person 4
HOWH5	in whose name is accomodation owned or rented - person 5
HOWH6	in whose name is accomodation owned or rented - person 6
HOWH7	in whose name is accomodation owned or rented - person 7
HOWH8	in whose name is accomodation owned or rented - person 8

HOWH9	in whose name is accomodation owned or rented - person 9
IDAHHW4	analytical wave 4 household serial number
PERID	household number (persno)
Wave 4 Financial:	
BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
BUSV_BU_I	BU value of business (wpbusv) - value (incl. imputed val
BUSV_BU_T	BU value of business (wpbusv) - imputation flag
CASHISA_BU_I	BU Cash ISA (iacisa) - value (incl. imputed values)
CASHISA_BU_T	BU Cash ISA (iacisa) - imputation flag
CCARD_BU_I	BU credit card debt (iadebm) - value (incl. imputed valu
CCARD_BU_T	BU credit card debt (iadebm) - imputation flag
FARM_BU_I	BU farm or business property (iafbps) - value (incl. imp
FARM_BU_T	BU farm or business property (iafbps) - imputation flag
HDEBT_HH_I	HH primary housing debt (hovml/hsvml2-5/hsv1-7) - value
HDEBT_HH_T	HH primary housing debt (hovml/hsvml2-5/hsv1-7) - imput
HOME_BU_I	BU 2nd home and oth property (iahome) - value (incl. imp
HOME_BU_T	BU 2nd home and oth property (iahome) - imputation flag
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
JNTASS_BU_I	BU joint assets (sep fin couples) (iaam) - value (incl.
JNTASS_BU_T	BU joint assets (sep fin couples) (iaam) - imputation fl
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
ODEBT_BU_I	BU other loans and debt (ialoam) - value (incl. imputed
ODEBT_BU_T	BU other loans and debt (ialoam) - imputation flag
OTHBUSV_BU_I	BU value of oth business (wpvbus) - value (incl. imputed
OTHBUSV_BU_T	BU value of oth business (wpvbus) - imputation flag
OTHSAV_BU_I	BU other savings and investments (iasio) - value (incl.
OTHSAV_BU_T	BU other savings and investments (iasio) - imputation fl
PEP_BU_I	BU PEPs (iaip) - value (incl. imputed values)
PEP_BU_T	BU PEPs (iaip) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
PRDEBT_BU_I	BU private debt (iaowem) - value (incl. imputed values)
PRDEBT_BU_T	BU private debt (iaowem) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
SHARES_BU_I	BU Shares (iasss) - value (incl. imputed values)
SHARES_BU_T	BU Shares (iasss) - imputation flag
SHISA_BU_I	BU Shares ISA (iasisa) - value (incl. imputed values)
SHISA_BU_T	BU Shares ISA (iasisa) - imputation flag
TESSA_BU_I	BU TESSA (iati) - value (incl. imputed values)
TESSA_BU_T	BU TESSA (iati) - imputation flag
TOTHASS_BU_I	BU total other physical assets (iaoasa) - value (incl. i
TOTHASS_BU_T	BU total other physical assets (iaoasa) - imputation fla
TRUSTS_BU_I	BU Trusts (iauit) - value (incl. imputed values)
TRUSTS_BU_T	BU Trusts (iauit) - imputation flag
Wave 5 Core:	
HOWH1	In whose name is accomodation owned or rented - Person 1
HOWH10	In whose name is accomodation owned or rented - Person 1
HOWH11	In whose name is accomodation owned or rented - Person 1
HOWH12	In whose name is accomodation owned or rented - Person 1
HOWH13	In whose name is accomodation owned or rented - Person 1
HOWH14	In whose name is accomodation owned or rented - Person 1
HOWH15	In whose name is accomodation owned or rented - Person 1
HOWH16	In whose name is accomodation owned or rented - Person 1
HOWH2	In whose name is accomodation owned or rented - Person 2
HOWH3	In whose name is accomodation owned or rented - Person 3
HOWH4	In whose name is accomodation owned or rented - Person 4
HOWH5	In whose name is accomodation owned or rented - Person 5
HOWH6	In whose name is accomodation owned or rented - Person 6
HOWH7	In whose name is accomodation owned or rented - Person 7

HOWH8	In whose name is accomodation owned or rented - Person 8
HOWH9	In whose name is accomodation owned or rented - Person 9
IDAHHW5	Analytical Wave 5 household serial number
PERID	Household Number (PersNo)
Wave 5 Financial:	
BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
BUSV_BU_I	BU value of business (wpbusv) - value (incl. imputed val
BUSV_BU_T	BU value of business (wpbusv) - imputation flag
CASHISA_BU_I	BU Cash ISA (iacisa) - value (incl. imputed values)
CASHISA_BU_T	BU Cash ISA (iacisa) - imputation flag
CCARD_BU_I	BU credit card debt (iadebm) - value (incl. imputed valu
CCARD_BU_T	BU credit card debt (iadebm) - imputation flag
FARM_BU_I	BU farm or business property (iafbps) - value (incl. imp
FARM_BU_T	BU farm or business property (iafbps) - imputation flag
HDEBT_HH_I	HH primary housing debt (hovml/hsvml2-5/hsvel-7) - value
HDEBT_HH_T	HH primary housing debt (hovml/hsvml2-5/hsvel-7) - imput
HOME_BU_I	BU 2nd home and oth property (iahome) - value (incl. imp
HOME_BU_T	BU 2nd home and oth property (iahome) - imputation flag
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
JNTASS_BU_I	BU joint assets (sep fin couples) (iaam) - value (incl.
JNTASS_BU_T	BU joint assets (sep fin couples) (iaam) - imputation fl
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
ODEBT_BU_I	BU other loans and debt (ialoam) - value (incl. imputed
ODEBT_BU_T	BU other loans and debt (ialoam) - imputation flag
OTHBUSV_BU_I	BU value of oth business (wpvbus) - value (incl. imputed
OTHBUSV_BU_T	BU value of oth business (wpvbus) - imputation flag
OTHSAV_BU_I	BU other savings and investments (iasio) - value (incl.
OTHSAV_BU_T	BU other savings and investments (iasio) - imputation fl
PEP_BU_I	BU PEPs (iaip) - value (incl. imputed values)
PEP_BU_T	BU PEPs (iaip) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
PRDEBT_BU_I	BU private debt (iaowem) - value (incl. imputed values)
PRDEBT_BU_T	BU private debt (iaowem) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
SHARES_BU_I	BU Shares (iasss) - value (incl. imputed values)
SHARES_BU_T	BU Shares (iasss) - imputation flag
SHISA_BU_I	BU Shares ISA (iasisa) - value (incl. imputed values)
SHISA_BU_T	BU Shares ISA (iasisa) - imputation flag
TESSA_BU_I	BU TESSA (iati) - value (incl. imputed values)
TESSA_BU_T	BU TESSA (iati) - imputation flag
TOTHASS_BU_I	BU total other physical assets (iaoasa) - value (incl. i
TOTHASS_BU_T	BU total other physical assets (iaoasa) - imputation fla
TRUSTS_BU_I	BU Trusts (iauit) - value (incl. imputed values)
TRUSTS_BU_T	BU Trusts (iauit) - imputation flag
Wave 6 Core:	
HOWH1	in whose name is accomodation owned or rented - person 1
HOWH10	in whose name is accomodation owned or rented - person 1
HOWH11	in whose name is accomodation owned or rented - person 1
HOWH12	in whose name is accomodation owned or rented - person 1
HOWH13	in whose name is accomodation owned or rented - person 1
HOWH14	in whose name is accomodation owned or rented - person 1
HOWH15	in whose name is accomodation owned or rented - person 1
HOWH16	in whose name is accomodation owned or rented - person 1
HOWH2	in whose name is accomodation owned or rented - person 2
HOWH3	in whose name is accomodation owned or rented - person 3
HOWH4	in whose name is accomodation owned or rented - person 4
HOWH5	in whose name is accomodation owned or rented - person 5
HOWH6	in whose name is accomodation owned or rented - person 6

HOWH7	in whose name is accomodation owned or rented - person 7
HOWH8	in whose name is accomodation owned or rented - person 8
HOWH9	in whose name is accomodation owned or rented - person 9
IDAHHW6	analytical wave 6 household serial number
PERID	household number (persno)
Wave 6 Financial:	
BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
BUSV_BU_I	BU value of business (wpbusv) - value (incl. imputed val
BUSV_BU_T	BU value of business (wpbusv) - imputation flag
CASHISA_BU_I	BU Cash ISA (iacisa) - value (incl. imputed values)
CASHISA_BU_T	BU Cash ISA (iacisa) - imputation flag
CCARD_BU_I	BU credit card debt (iadebm) - value (incl. imputed valu
CCARD_BU_T	BU credit card debt (iadebm) - imputation flag
FARM_BU_I	BU farm or business property (iafbps) - value (incl. imp
FARM_BU_T	BU farm or business property (iafbps) - imputation flag
HDEBT_HH_I	HH primary housing debt (hovml/hsvml2-5/hsvel-7) - value
HDEBT_HH_T	HH primary housing debt (hovml/hsvml2-5/hsvel-7) - imput
HOME_BU_I	BU 2nd home and oth property (iahome) - value (incl. imp
HOME_BU_T	BU 2nd home and oth property (iahome) - imputation flag
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
JNTASS_BU_I	BU joint assets (sep fin couples) (iaam) - value (incl.
JNTASS_BU_T	BU joint assets (sep fin couples) (iaam) - imputation fl
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
ODEBT_BU_I	BU other loans and debt (ialoam) - value (incl. imputed
ODEBT_BU_T	BU other loans and debt (ialoam) - imputation flag
OTHBUSV_BU_I	BU value of oth business (wpvbus) - value (incl. imputed
OTHBUSV_BU_T	BU value of oth business (wpvbus) - imputation flag
OTHSAV_BU_I	BU other savings and investments (iasio) - value (incl.
OTHSAV_BU_T	BU other savings and investments (iasio) - imputation fl
PEP_BU_I	BU PEPs (iaip) - value (incl. imputed values)
PEP_BU_T	BU PEPs (iaip) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
PRDEBT_BU_I	BU private debt (iaowem) - value (incl. imputed values)
PRDEBT_BU_T	BU private debt (iaowem) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
SHARES_BU_I	BU Shares (iasss) - value (incl. imputed values)
SHARES_BU_T	BU Shares (iasss) - imputation flag
SHISA_BU_I	BU Shares ISA (iasisa) - value (incl. imputed values)
SHISA_BU_T	BU Shares ISA (iasisa) - imputation flag
TESSA_BU_I	BU TESSA (iati) - value (incl. imputed values)
TESSA_BU_T	BU TESSA (iati) - imputation flag
TOTHASS_BU_I	BU total other physical assets (iaoasa) - value (incl. i
TOTHASS_BU_T	BU total other physical assets (iaoasa) - imputation fla
TRUSTS_BU_I	BU Trusts (iauit) - value (incl. imputed values)
TRUSTS_BU_T	BU Trusts (iauit) - imputation flag
Wave 7 Core:	
HOWH1	in whose name is accomodation owned or rented - person 1
HOWH10	in whose name is accomodation owned or rented - person 1
HOWH11	in whose name is accomodation owned or rented - person 1
HOWH12	in whose name is accomodation owned or rented - person 1
HOWH13	in whose name is accomodation owned or rented - person 1
HOWH14	in whose name is accomodation owned or rented - person 1
HOWH15	in whose name is accomodation owned or rented - person 1
HOWH16	in whose name is accomodation owned or rented - person 1
HOWH2	in whose name is accomodation owned or rented - person 2
HOWH3	in whose name is accomodation owned or rented - person 3
HOWH4	in whose name is accomodation owned or rented - person 4
HOWH5	in whose name is accomodation owned or rented - person 5



HOWH6	in whose name is accomodation owned or rented - person 6
HOWH7	in whose name is accomodation owned or rented - person 7
HOWH8	in whose name is accomodation owned or rented - person 8
HOWH9	in whose name is accomodation owned or rented - person 9
IDAHHW7	analytical wave 7 household serial number
PERID	person number (persno)
Wave 7 Financial:	
BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
BUSV_BU_I	BU value of business (wpbusv) - value (incl. imputed val
BUSV_BU_T	BU value of business (wpbusv) - imputation flag
CASHISA_BU_I	BU Cash ISA (iacisa) - value (incl. imputed values)
CASHISA_BU_T	BU Cash ISA (iacisa) - imputation flag
CCARD_BU_I	BU credit card debt (iadebm) - value (incl. imputed valu
CCARD_BU_T	BU credit card debt (iadebm) - imputation flag
FARM_BU_I	BU farm or business property (iafbps) - value (incl. imp
FARM_BU_T	BU farm or business property (iafbps) - imputation flag
HDEBT_HH_I	HH primary housing debt (hovml/hsvml2-5/hsv1-7) - value
HDEBT_HH_T	HH primary housing debt (hovml/hsvml2-5/hsv1-7) - imput
HOME_BU_I	BU 2nd home and oth property (iahome) - value (incl. imp
HOME_BU_T	BU 2nd home and oth property (iahome) - imputation flag
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
JNTASS_BU_I	BU joint assets (sep fin couples) (iaam) - value (incl.
JNTASS_BU_T	BU joint assets (sep fin couples) (iaam) - imputation fl
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
ODEBT_BU_I	BU other loans and debt (ialoam) - value (incl. imputed
ODEBT_BU_T	BU other loans and debt (ialoam) - imputation flag
OTHBUSV_BU_I	BU value of oth business (wpvbus) - value (incl. imputed
OTHBUSV_BU_T	BU value of oth business (wpvbus) - imputation flag
OTHSAV_BU_I	BU other savings and investments (iasio) - value (incl.
OTHSAV_BU_T	BU other savings and investments (iasio) - imputation fl
PEP_BU_I	BU PEPs (iaip) - value (incl. imputed values)
PEP_BU_T	BU PEPs (iaip) - imputation flag
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
PRDEBT_BU_I	BU private debt (iaowem) - value (incl. imputed values)
PRDEBT_BU_T	BU private debt (iaowem) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
SHARES_BU_I	BU Shares (iasss) - value (incl. imputed values)
SHARES_BU_T	BU Shares (iasss) - imputation flag
SHISA_BU_I	BU Shares ISA (iasisa) - value (incl. imputed values)
SHISA_BU_T	BU Shares ISA (iasisa) - imputation flag
TESSA_BU_I	BU TESSA (iati) - value (incl. imputed values)
TESSA_BU_T	BU TESSA (iati) - imputation flag
TOTHASS_BU_I	BU total other physical assets (iaoasa) - value (incl. i
TOTHASS_BU_T	BU total other physical assets (iaoasa) - imputation fla
TRUSTS_BU_I	BU Trusts (iauit) - value (incl. imputed values)
TRUSTS_BU_T	BU Trusts (iauit) - imputation flag
Wave 8 Core:	
HOWH1	in whose name is accommodation owned or rented: person 1
HOWH10	in whose name is accommodation owned or rented: person 1
HOWH11	in whose name is accommodation owned or rented: person 1
HOWH12	in whose name is accommodation owned or rented: person 1
HOWH13	in whose name is accommodation owned or rented: person 1
HOWH14	in whose name is accommodation owned or rented: person 1
HOWH15	in whose name is accommodation owned or rented: person 1
HOWH16	in whose name is accommodation owned or rented: person 1
HOWH2	in whose name is accommodation owned or rented: person 2
HOWH3	in whose name is accommodation owned or rented: person 3
HOWH4	in whose name is accommodation owned or rented: person 4

HOWH5 in whose name is accommodation owned or rented: person 5  
 HOWH6 in whose name is accommodation owned or rented: person 6  
 HOWH7 in whose name is accommodation owned or rented: person 7  
 HOWH8 in whose name is accommodation owned or rented: person 8  
 HOWH9 in whose name is accommodation owned or rented: person 9  
 IDAHHW8 analytical wave 8 household serial number  
 PERID person number in household

## Wave 8 Financial:

BONDS\_BU\_I BU Bonds and Gilts (iabg) - value (incl. imputed values)  
 BONDS\_BU\_T BU Bonds and Gilts (iabg) - imputation flag  
 BUSV\_BU\_I BU value of business (wpbusv) - value (incl. imputed val  
 BUSV\_BU\_T BU value of business (wpbusv) - imputation flag  
 CASHISA\_BU\_I BU Cash ISA (iacisa) - value (incl. imputed values)  
 CASHISA\_BU\_T BU Cash ISA (iacisa) - imputation flag  
 CCARD\_BU\_I BU credit card debt (iadebm) - value (incl. imputed valu  
 CCARD\_BU\_T BU credit card debt (iadebm) - imputation flag  
 FARM\_BU\_I BU farm or business property (iafbps) - value (incl. imp  
 FARM\_BU\_T BU farm or business property (iafbps) - imputation flag  
 HDEBT\_HH\_I HH primary housing debt (hovml/hsvml2-5/hsv1-7) - value  
 HDEBT\_HH\_T HH primary housing debt (hovml/hsvml2-5/hsv1-7) - imput  
 HOME\_BU\_I BU 2nd home and oth property (iahome) - value (incl. imp  
 HOME\_BU\_T BU 2nd home and oth property (iahome) - imputation flag  
 HSVAL\_HH\_I HH current value of primary house (hosellp) - value (inc  
 HSVAL\_HH\_T HH current value of primary house (hosellp) - imputation  
 JNTASS\_BU\_I BU joint assets (sep fin couples) (iaam) - value (incl.  
 JNTASS\_BU\_T BU joint assets (sep fin couples) (iaam) - imputation fl  
 NSAV\_BU\_I BU National Savings a/cs (ians) - value (incl. imputed v  
 NSAV\_BU\_T BU National Savings a/cs (ians) - imputation flag  
 ODEBT\_BU\_I BU other loans and debt (ialoam) - value (incl. imputed  
 ODEBT\_BU\_T BU other loans and debt (ialoam) - imputation flag  
 OTHBUSV\_BU\_I BU value of oth business (wpvbus) - value (incl. imputed  
 OTHBUSV\_BU\_T BU value of oth business (wpvbus) - imputation flag  
 OTHSAV\_BU\_I BU other savings and investments (iasio) - value (incl.  
 OTHSAV\_BU\_T BU other savings and investments (iasio) - imputation fl  
 PEP\_BU\_I BU PEPs (iaip) - value (incl. imputed values)  
 PEP\_BU\_T BU PEPs (iaip) - imputation flag  
 PRBONDS\_BU\_I BU Premium Bonds (ianpb) - value (incl. imputed values)  
 PRBONDS\_BU\_T BU Premium Bonds (ianpb) - imputation flag  
 PRDEBT\_BU\_I BU private debt (iaowem) - value (incl. imputed values)  
 PRDEBT\_BU\_T BU private debt (iaowem) - imputation flag  
 SAVE\_BU\_I BU current/savings a/cs (iasava) - value (incl. imputed  
 SAVE\_BU\_T BU current/savings a/cs (iasava) - imputation flag  
 SHARES\_BU\_I BU Shares (iasss) - value (incl. imputed values)  
 SHARES\_BU\_T BU Shares (iasss) - imputation flag  
 SHISA\_BU\_I BU Shares ISA (iasisa) - value (incl. imputed values)  
 SHISA\_BU\_T BU Shares ISA (iasisa) - imputation flag  
 TESSA\_BU\_I BU TESSA (iati) - value (incl. imputed values)  
 TESSA\_BU\_T BU TESSA (iati) - imputation flag  
 TOTHASS\_BU\_I BU total other physical assets (iaoasa) - value (incl. i  
 TOTHASS\_BU\_T BU total other physical assets (iaoasa) - imputation fla  
 TRUSTS\_BU\_I BU Trusts (iauit) - value (incl. imputed values)  
 TRUSTS\_BU\_T BU Trusts (iauit) - imputation flag

## Wave 9 Core:

HOWH1 In whose name is accommodation owned or rented: person 1  
 HOWH10 In whose name is accommodation owned or rented: person 1  
 HOWH11 In whose name is accommodation owned or rented: person 1  
 HOWH12 In whose name is accommodation owned or rented: person 1  
 HOWH13 In whose name is accommodation owned or rented: person 1  
 HOWH14 In whose name is accommodation owned or rented: person 1  
 HOWH15 In whose name is accommodation owned or rented: person 1  
 HOWH16 In whose name is accommodation owned or rented: person 1  
 HOWH2 In whose name is accommodation owned or rented: person 2  
 HOWH3 In whose name is accommodation owned or rented: person 3

HOWH4	In whose name is accommodation owned or rented: person 4
HOWH5	In whose name is accommodation owned or rented: person 5
HOWH6	In whose name is accommodation owned or rented: person 6
HOWH7	In whose name is accommodation owned or rented: person 7
HOWH8	In whose name is accommodation owned or rented: person 8
HOWH9	In whose name is accommodation owned or rented: person 9
IDAHHW9	Analytical Wave 9 household serial number
PERID	Person number in household

## Wave 9 Financial:

BONDS_BU_I	BU Bonds and Gilts (iabg) - value (incl. imputed values)
BONDS_BU_T	BU Bonds and Gilts (iabg) - imputation flag
BUSV_BU_I	BU value of business (wpbusv) - value (incl. imputed val
BUSV_BU_T	BU value of business (wpbusv) - imputation flag
CASHISA_BU_I	BU Cash ISA (iacisa) - value (incl. imputed values)
CASHISA_BU_T	BU Cash ISA (iacisa) - imputation flag
CCARD_BU_I	BU credit card debt (iadebm) - value (incl. imputed valu
CCARD_BU_T	BU credit card debt (iadebm) - imputation flag
FARM_BU_I	BU farm or business property (iafbps) - value (incl. imp
FARM_BU_T	BU farm or business property (iafbps) - imputation flag
HDEBT_HH_I	HH primary housing debt (hovml/hsvml2-5/hsv1-7) - value
HDEBT_HH_T	HH primary housing debt (hovml/hsvml2-5/hsv1-7) - imput
HOME_BU_I	BU 2nd home and oth property (iahome) - value (incl. imp
HOME_BU_T	BU 2nd home and oth property (iahome) - imputation flag
HSVAL_HH_I	HH current value of primary house (hosellp) - value (inc
HSVAL_HH_T	HH current value of primary house (hosellp) - imputation
JNTASS_BU_I	BU joint assets (sep fin couples) (iaam) - value (incl.
JNTASS_BU_T	BU joint assets (sep fin couples) (iaam) - imputation fl
NSAV_BU_I	BU National Savings a/cs (ians) - value (incl. imputed v
NSAV_BU_T	BU National Savings a/cs (ians) - imputation flag
ODEBT_BU_I	BU other loans and debt (ialoam) - value (incl. imputed
ODEBT_BU_T	BU other loans and debt (ialoam) - imputation flag
OTHBUSV_BU_I	BU value of oth business (wpvbus) - value (incl. imputed
OTHBUSV_BU_T	BU value of oth business (wpvbus) - imputation flag
OTHSAV_BU_I	BU other savings and investments (iasio) - value (incl.
OTHSAV_BU_T	BU other savings and investments (iasio) - imputation fl
PRBONDS_BU_I	BU Premium Bonds (ianpb) - value (incl. imputed values)
PRBONDS_BU_T	BU Premium Bonds (ianpb) - imputation flag
PRDEBT_BU_I	BU private debt (iaowem) - value (incl. imputed values)
PRDEBT_BU_T	BU private debt (iaowem) - imputation flag
SAVE_BU_I	BU current/savings a/cs (iasava) - value (incl. imputed
SAVE_BU_T	BU current/savings a/cs (iasava) - imputation flag
SHARES_BU_I	BU Shares (iasss) - value (incl. imputed values)
SHARES_BU_T	BU Shares (iasss) - imputation flag
SHISA_BU_I	BU Shares ISA (iasisa) - value (incl. imputed values)
SHISA_BU_T	BU Shares ISA (iasisa) - imputation flag
TOTHASS_BU_I	BU total other physical assets (iaoasa) - value (incl. i
TOTHASS_BU_T	BU total other physical assets (iaoasa) - imputation fla
TRUSTS_BU_I	BU Trusts (iauit) - value (incl. imputed values)
TRUSTS_BU_T	BU Trusts (iauit) - imputation flag

## **Section F: Income and Consumption**

### Individual Employment Earnings

Wave	Variable	Label	Type
1	R1ITEARN	r1itearn:w1 income: r employment earnings (after tax)	Cont
2	R2ITEARN	r2itearn:w2 income: r employment earnings (after tax)	Cont
3	R3ITEARN	r3itearn:w3 income: r employment earnings (after tax)	Cont
4	R4ITEARN	r4itearn:w4 income: r employment earnings (after tax)	Cont
5	R5ITEARN	r5itearn:w5 income: r employment earnings (after tax)	Cont
6	R6ITEARN	r6itearn:w6 income: r employment earnings (after tax)	Cont
7	R7ITEARN	r7itearn:w7 income: r employment earnings (after tax)	Cont
8	R8ITEARN	r8itearn:w8 income: r employment earnings (after tax)	Cont
9	R9ITEARN	r9itearn:w9 income: r employment earnings (after tax)	Cont
1	S1ITEARN	slitearn:w1 income: s employment earnings (after tax)	Cont
2	S2ITEARN	s2itearn:w2 income: s employment earnings (after tax)	Cont
3	S3ITEARN	s3itearn:w3 income: s employment earnings (after tax)	Cont
4	S4ITEARN	s4itearn:w4 income: s employment earnings (after tax)	Cont
5	S5ITEARN	s5itearn:w5 income: s employment earnings (after tax)	Cont
6	S6ITEARN	s6itearn:w6 income: s employment earnings (after tax)	Cont
7	S7ITEARN	s7itearn:w7 income: s employment earnings (after tax)	Cont
8	S8ITEARN	s8itearn:w8 income: s employment earnings (after tax)	Cont
9	S9ITEARN	s9itearn:w9 income: s employment earnings (after tax)	Cont
1	R1ITIFEARN	rlitifearn:w1 impflag: r employment earnings	Categ
2	R2ITIFEARN	r2itifearn:w2 impflag: r employment earnings	Categ
3	R3ITIFEARN	r3itifearn:w3 impflag: r employment earnings	Categ
4	R4ITIFEARN	r4itifearn:w4 impflag: r employment earnings	Categ
5	R5ITIFEARN	r5itifearn:w5 impflag: r employment earnings	Categ
6	R6ITIFEARN	r6itifearn:w6 impflag: r employment earnings	Categ
7	R7ITIFEARN	r7itifearn:w7 impflag: r employment earnings	Categ
8	R8ITIFEARN	r8itifearn:w8 impflag: r employment earnings	Categ
9	R9ITIFEARN	r9itifearn:w9 impflag: r employment earnings	Categ
1	S1ITIFEARN	slitifearn:w1 impflag: s employment earnings	Categ
2	S2ITIFEARN	s2itifearn:w2 impflag: s employment earnings	Categ
3	S3ITIFEARN	s3itifearn:w3 impflag: s employment earnings	Categ
4	S4ITIFEARN	s4itifearn:w4 impflag: s employment earnings	Categ
5	S5ITIFEARN	s5itifearn:w5 impflag: s employment earnings	Categ
6	S6ITIFEARN	s6itifearn:w6 impflag: s employment earnings	Categ
7	S7ITIFEARN	s7itifearn:w7 impflag: s employment earnings	Categ
8	S8ITIFEARN	s8itifearn:w8 impflag: s employment earnings	Categ
9	S9ITIFEARN	s9itifearn:w9 impflag: s employment earnings	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ITEARN	12099	3989.73	8557.75	0.00	207058.19
R2ITEARN	9432	4005.38	9973.05	0.00	254014.31
R3ITEARN	9715	5255.51	10942.13	0.00	230985.13
R4ITEARN	10982	5098.96	10485.94	0.00	204157.05
R5ITEARN	10202	4538.32	10343.13	0.00	248831.42
R6ITEARN	10526	4808.89	10562.58	0.00	144083.41
R7ITEARN	9602	4658.16	10847.42	0.00	200000.00
R8ITEARN	8387	3818.65	9952.08	0.00	192147.81
R9ITEARN	8682	5704.98	17960.73	0.00	719005.25
S1ITEARN	11995	3410.79	8167.50	0.00	207058.19
S2ITEARN	9332	3386.62	8998.71	0.00	254014.31
S3ITEARN	9566	4564.84	10513.78	0.00	230985.13

S4ITEARN	10816	4267.41	10022.73	0.00	204157.05
S5ITEARN	10094	3781.14	9645.66	0.00	248831.42
S6ITEARN	10405	4021.42	9855.33	0.00	144083.41
S7ITEARN	9452	3912.10	10246.46	0.00	200000.00
S8ITEARN	8322	3225.95	9272.74	0.00	192147.81
S9ITEARN	8605	4686.56	14566.60	0.00	432012.47
R1ITIFEARN	12099	4.44	2.30	1.00	7.00
R2ITIFEARN	9432	4.55	2.25	1.00	7.00
R3ITIFEARN	9766	4.38	2.36	1.00	10.00
R4ITIFEARN	11050	4.48	2.32	1.00	10.00
R5ITIFEARN	10274	4.74	2.24	1.00	10.00
R6ITIFEARN	10601	4.66	2.25	1.00	10.00
R7ITIFEARN	9666	4.72	2.21	1.00	10.00
R8ITIFEARN	8445	4.92	2.10	1.00	10.00
R9ITIFEARN	8736	4.71	2.21	1.00	10.00
S1ITIFEARN	12099	4.84	2.19	1.00	9.00
S2ITIFEARN	9432	4.95	2.13	1.00	9.00
S3ITIFEARN	9766	4.83	2.28	1.00	10.00
S4ITIFEARN	11050	4.92	2.21	1.00	10.00
S5ITIFEARN	10274	5.08	2.11	1.00	10.00
S6ITIFEARN	10601	5.02	2.13	1.00	10.00
S7ITIFEARN	9666	5.09	2.09	1.00	10.00
S8ITIFEARN	8445	5.24	1.94	1.00	10.00
S9ITIFEARN	8736	5.13	2.04	1.00	10.00

### Categorical Variable Codes

Value-----	R1ITIFEARN	R2ITIFEARN	R3ITIFEARN	R4ITIFEARN	R5ITIFEARN
1.continuous value	3652	2656	3096	3281	2595
2.closed range bracket	116	70	104	113	85
3.open range bracket	11	7	9	18	11
5.no value/bracket	161	102	160	209	155
6.no income	8130	6596	6331	7342	7083
7.dk	29	1	15	19	273
10.institutional interview			51	68	72

Value-----	R6ITIFEARN	R7ITIFEARN	R8ITIFEARN	R9ITIFEARN
1.continuous value	2785	2404	1800	2195
2.closed range bracket	98	107	51	83
3.open range bracket	18	8	4	15
5.no value/bracket	160	142	126	115
6.no income	7451	6930	6399	6269
7.dk	14	11	7	5
10.institutional interview	75	64	58	54

Value-----	S1ITIFEARN	S2ITIFEARN	S3ITIFEARN	S4ITIFEARN	S5ITIFEARN
1.continuous value	2857	2047	2403	2500	2021
2.closed range bracket	79	46	79	89	66
3.open range bracket	9	7	7	15	7
5.no value/bracket	120	70	123	166	130
6.no income	8546	6856	6603	7735	7443
7.dk	384	306	351	311	427
9.non-responding spouse	104	100	149	166	108
10.institutional interview			51	68	72

Value-----	S6ITIFEARN	S7ITIFEARN	S8ITIFEARN	S9ITIFEARN
1.continuous value	2163	1854	1371	1597
2.closed range bracket	81	76	40	66
3.open range bracket	18	7	2	12
5.no value/bracket	132	120	104	92
6.no income	7786	7198	6539	6487
7.dk	225	197	266	351
9.non-responding spouse	121	150	65	77
10.institutional interview	75	64	58	54

## How Constructed

RwITEARN represents individual earnings after tax and other deductions, and is expressed as an annual equivalent in nominal pounds. It includes information from the following derived variables:

thp\_r\_i represents the amount of the last time take-home pay, after any deductions were made for tax, National Insurance, pensions, union dues, etc. for those in paid work, temporarily away, and employees, imputation values included. It is expressed as a weekly equivalent in nominal pounds.

oj\_r\_i represents total income, after tax and any other deductions, from subsidiary jobs for those in paid work or temporarily away, imputation values included. It is expressed as a weekly equivalent in nominal pounds.

RwITEARN is defined as:  $(thp\_r\_i + oj\_r\_i) * 52$ . Imputations are not obtained for respondents living in institutions starting in Wave 3. These missing values are assigned special missing .m. RwITEARN is set to plain missing (.) for respondents who did not respond to the current wave.

SwITEARN represents the current wave's spouse's individual earnings and is taken from the spouse's values to RwITEARN. In addition to the special missing values used in RwITEARN, SwITEARN employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwITIFEARN is a flag variable based on the original flag variables (thp\_r\_t and oj\_r\_t), indicating response types for individual earnings. RwITIFEARN is set to plain missing (.) for respondents who did not respond to the current wave.

SwITIFEARN is a flag variable indicating the response types for individual earnings for the current wave's spouse, and is taken from the spouse's values to RwITIFEARN. In addition to the special missing values used in RwITIFEARN, SwITIFEARN employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

The amount of the last time take-home pay is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts differ depending on the reference period for take-home pay (1 week, 2 weeks, 4 weeks/calendar month, 1 year/lump sum). In addition, Waves 1, 2, 5, and onward include a series of checks for the case the respondent reports receiving high values. The threshold values are different for different frequencies of pay declared. If the period for take-home pay is one week, the threshold is £2,000; if the period is two weeks, the threshold is £4,000; if the period is four weeks/calendar month, the threshold is £8,000; for any other reference period the threshold is £100,000.

Total income from other work is asked at each wave. The reference period is a month. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. In addition, Waves 1, 2, 5 and onward include a check for the case the respondent reports receiving £5,000 or more in the last month.

## Differences with the RAND HRS/Harmonized HRS

Individual earnings in ELSA are expressed as nominal pounds after taxes and other deductions, whereas the equivalent measure in RAND HRS is in nominal dollars before taxes and other deductions. Therefore, conversion to a common currency and adjusting for tax status are necessary before comparison of these data. ELSA also surveys respondents with the question Wpotp which asks, "How much are you paid including any overtime, bonuses, commissions, tip or tax refund, but before any deductions for tax, national insurance or pension contributions, union dues and so on?" Wpthp is a much closer corollary to the HRS measure used to create RwieARN in the RAND HRS because it specifically mentions other types of income

besides regular wages and salaries and it elicits pre-tax amounts. Wpthp is not used here because we focus on the imputed values produced by ELSA and because Rwiearn is combined with other Harmonized ELSA variables which are based on after-tax amounts.

## ELSA Variables Used

### Wave 1 Financial:

OJ\_P\_I partner inc from subsid jobs (wpesj/wpesjm) - value (inc  
 OJ\_P\_T partner inc from subsid jobs (wpesj/wpesjm) - imputation  
 OJ\_R\_I inc from subsid jobs (wpesj/wpesjm) - value (incl. imput  
 OJ\_R\_T inc from subsid jobs (wpesj/wpesjm) - imputation flag  
 THP\_P\_I partner take-home pay last time (wpthp) - value (incl. i  
 THP\_P\_T partner take-home pay last time (wpthp) - imputation fla  
 THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
 THP\_R\_T take-home pay last time (wpthp) - imputation flag

### Wave 2 Financial:

OJ\_P\_I partner inc from subsid jobs (wpesj/wpesjm) - value (inc  
 OJ\_P\_T partner inc from subsid jobs (wpesj/wpesjm) - imputation  
 OJ\_R\_I inc from subsid jobs (wpesj/wpesjm) - value (incl. imput  
 OJ\_R\_T inc from subsid jobs (wpesj/wpesjm) - imputation flag  
 THP\_P\_I partner take-home pay last time (wpthp) - value (incl. i  
 THP\_P\_T partner take-home pay last time (wpthp) - imputation fla  
 THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
 THP\_R\_T take-home pay last time (wpthp) - imputation flag

### Wave 3 Financial:

OJ\_P\_I partner inc from subsid jobs (wpesj/wpesjm) - value (inc  
 OJ\_P\_T partner inc from subsid jobs (wpesj/wpesjm) - imputation  
 OJ\_R\_I inc from subsid jobs (wpesj/wpesjm) - value (incl. imput  
 OJ\_R\_T inc from subsid jobs (wpesj/wpesjm) - imputation flag  
 THP\_P\_I partner take-home pay last time (wpthp) - value (incl. i  
 THP\_P\_T partner take-home pay last time (wpthp) - imputation fla  
 THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
 THP\_R\_T take-home pay last time (wpthp) - imputation flag

### Wave 4 Financial:

OJ\_P\_I partner inc from subsid jobs (wpesj/wpesjm) - value (inc  
 OJ\_P\_T partner inc from subsid jobs (wpesj/wpesjm) - imputation  
 OJ\_R\_I inc from subsid jobs (wpesj/wpesjm) - value (incl. imput  
 OJ\_R\_T inc from subsid jobs (wpesj/wpesjm) - imputation flag  
 THP\_P\_I partner take-home pay last time (wpthp) - value (incl. i  
 THP\_P\_T partner take-home pay last time (wpthp) - imputation fla  
 THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
 THP\_R\_T take-home pay last time (wpthp) - imputation flag

### Wave 5 Financial:

OJ\_P\_I partner inc from subsid jobs (wpesj/wpesjm) - value (inc  
 OJ\_P\_T partner inc from subsid jobs (wpesj/wpesjm) - imputation  
 OJ\_R\_I inc from subsid jobs (wpesj/wpesjm) - value (incl. imput  
 OJ\_R\_T inc from subsid jobs (wpesj/wpesjm) - imputation flag  
 THP\_P\_I partner take-home pay last time (wpthp) - value (incl. i  
 THP\_P\_T partner take-home pay last time (wpthp) - imputation fla  
 THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
 THP\_R\_T take-home pay last time (wpthp) - imputation flag

### Wave 6 Financial:

OJ\_P\_I partner inc from subsid jobs (wpesj/wpesjm) - value (inc  
 OJ\_P\_T partner inc from subsid jobs (wpesj/wpesjm) - imputation  
 OJ\_R\_I inc from subsid jobs (wpesj/wpesjm) - value (incl. imput  
 OJ\_R\_T inc from subsid jobs (wpesj/wpesjm) - imputation flag  
 THP\_P\_I partner take-home pay last time (wpthp) - value (incl. i  
 THP\_P\_T partner take-home pay last time (wpthp) - imputation fla  
 THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
 THP\_R\_T take-home pay last time (wpthp) - imputation flag

### Wave 7 Financial:

OJ\_P\_I partner inc from subsid jobs (wpesj/wpesjm) - value (inc  
 OJ\_P\_T partner inc from subsid jobs (wpesj/wpesjm) - imputation



OJ\_R\_I inc from subsid jobs (wpesj/wpesjm) - value (incl. imput  
OJ\_R\_T inc from subsid jobs (wpesj/wpesjm) - imputation flag  
THP\_P\_I partner take-home pay last time (wpthp) - value (incl. i  
THP\_P\_T partner take-home pay last time (wpthp) - imputation fla  
THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
THP\_R\_T take-home pay last time (wpthp) - imputation flag

## Wave 8 Financial:

OJ\_P\_I partner inc from subsid jobs (wpesj/wpesjm) - value (inc  
OJ\_P\_T partner inc from subsid jobs (wpesj/wpesjm) - imputation  
OJ\_R\_I inc from subsid jobs (wpesj/wpesjm) - value (incl. imput  
OJ\_R\_T inc from subsid jobs (wpesj/wpesjm) - imputation flag  
THP\_P\_I partner take-home pay last time (wpthp) - value (incl. i  
THP\_P\_T partner take-home pay last time (wpthp) - imputation fla  
THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
THP\_R\_T take-home pay last time (wpthp) - imputation flag

## Wave 9 Financial:

OJ\_P\_I partner inc from subsid jobs (wpesj/wpesjm) - value (inc  
OJ\_P\_T partner inc from subsid jobs (wpesj/wpesjm) - imputation  
OJ\_R\_I inc from subsid jobs (wpesj/wpesjm) - value (incl. imput  
OJ\_R\_T inc from subsid jobs (wpesj/wpesjm) - imputation flag  
THP\_P\_I partner take-home pay last time (wpthp) - value (incl. i  
THP\_P\_T partner take-home pay last time (wpthp) - imputation fla  
THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
THP\_R\_T take-home pay last time (wpthp) - imputation flag

<b>Family Capital Income</b>
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Wave	Variable	Label	Type
1	H1ISEMP	h1isemp:w1 income: self-employ earnings (before tax)	Cont
2	H2ISEMP	h2isemp:w2 income: self-employ earnings (before tax)	Cont
3	H3ISEMP	h3isemp:w3 income: self-employ earnings (before tax)	Cont
4	H4ISEMP	h4isemp:w4 income: self-employ earnings (before tax)	Cont
5	H5ISEMP	h5isemp:w5 income: self-employ earnings (before tax)	Cont
6	H6ISEMP	h6isemp:w6 income: self-employ earnings (before tax)	Cont
7	H7ISEMP	h7isemp:w7 income: self-employ earnings (before tax)	Cont
8	H8ISEMP	h8isemp:w8 income: self-employ earnings (before tax)	Cont
9	H9ISEMP	h9isemp:w9 income: self-employ earnings (before tax)	Cont
1	H1IIFSEMP	h1iifsemp:w1 impflag: self-employ earnings	Categ
2	H2IIFSEMP	h2iifsemp:w2 impflag: self-employ earnings	Categ
3	H3IIFSEMP	h3iifsemp:w3 impflag: self-employ earnings	Categ
4	H4IIFSEMP	h4iifsemp:w4 impflag: self-employ earnings	Categ
5	H5IIFSEMP	h5iifsemp:w5 impflag: self-employ earnings	Categ
6	H6IIFSEMP	h6iifsemp:w6 impflag: self-employ earnings	Categ
7	H7IIFSEMP	h7iifsemp:w7 impflag: self-employ earnings	Categ
8	H8IIFSEMP	h8iifsemp:w8 impflag: self-employ earnings	Categ
9	H9IIFSEMP	h9iifsemp:w9 impflag: self-employ earnings	Categ
1	H1ITRENT	h1itrent:w1 income: rental income from other property (after	Cont
2	H2ITRENT	h2itrent:w2 income: rental income from other property (after	Cont
3	H3ITRENT	h3itrent:w3 income: rental income from other property (after	Cont
4	H4ITRENT	h4itrent:w4 income: rental income from other property (after	Cont
5	H5ITRENT	h5itrent:w5 income: rental income from other property (after	Cont
6	H6ITRENT	h6itrent:w6 income: rental income from other property (after	Cont
7	H7ITRENT	h7itrent:w7 income: rental income from other property (after	Cont
8	H8ITRENT	h8itrent:w8 income: rental income from other property (after	Cont
9	H9ITRENT	h9itrent:w9 income: rental income from other property (after	Cont
1	H1ITIFRENT	h1itifrent:w1 impflag: rental income from other property	Categ
2	H2ITIFRENT	h2itifrent:w2 impflag: rental income from other property	Categ
3	H3ITIFRENT	h3itifrent:w3 impflag: rental income from other property	Categ
4	H4ITIFRENT	h4itifrent:w4 impflag: rental income from other property	Categ
5	H5ITIFRENT	h5itifrent:w5 impflag: rental income from other property	Categ
6	H6ITIFRENT	h6itifrent:w6 impflag: rental income from other property	Categ
7	H7ITIFRENT	h7itifrent:w7 impflag: rental income from other property	Categ
8	H8ITIFRENT	h8itifrent:w8 impflag: rental income from other property	Categ
9	H9ITIFRENT	h9itifrent:w9 impflag: rental income from other property	Categ
1	H1ITTREST	h1ittrest:w1 income: interest income from financial assets (	Cont
2	H2ITTREST	h2ittrest:w2 income: interest income from financial assets (	Cont
3	H3ITTREST	h3ittrest:w3 income: interest income from financial assets (	Cont
4	H4ITTREST	h4ittrest:w4 income: interest income from financial assets (	Cont
5	H5ITTREST	h5ittrest:w5 income: interest income from financial assets (	Cont
6	H6ITTREST	h6ittrest:w6 income: interest income from financial assets (	Cont
7	H7ITTREST	h7ittrest:w7 income: interest income from financial assets (	Cont
8	H8ITTREST	h8ittrest:w8 income: interest income from financial assets (	Cont
9	H9ITTREST	h9ittrest:w9 income: interest income from financial assets (	Cont
1	H1ITTFREST	h1ittfrest:w1 impflag: interest income from financial assets	Categ
2	H2ITTFREST	h2ittfrest:w2 impflag: interest income from financial assets	Categ
3	H3ITTFREST	h3ittfrest:w3 impflag: interest income from financial assets	Categ
4	H4ITTFREST	h4ittfrest:w4 impflag: interest income from financial assets	Categ
5	H5ITTFREST	h5ittfrest:w5 impflag: interest income from financial assets	Categ
6	H6ITTFREST	h6ittfrest:w6 impflag: interest income from financial assets	Categ
7	H7ITTFREST	h7ittfrest:w7 impflag: interest income from financial assets	Categ

8	H8ITTFREST	h8ittfrest:w8	impflag: interest income from financial assets	Categ
9	H9ITTFREST	h9ittfrest:w9	impflag: interest income from financial assets	Categ
1	H1ICAP	h1icap:w1	income: couple level capital income	Cont
2	H2ICAP	h2icap:w2	income: couple level capital income	Cont
3	H3ICAP	h3icap:w3	income: couple level capital income	Cont
4	H4ICAP	h4icap:w4	income: couple level capital income	Cont
5	H5ICAP	h5icap:w5	income: couple level capital income	Cont
6	H6ICAP	h6icap:w6	income: couple level capital income	Cont
7	H7ICAP	h7icap:w7	income: couple level capital income	Cont
8	H8ICAP	h8icap:w8	income: couple level capital income	Cont
9	H9ICAP	h9icap:w9	income: couple level capital income	Cont
1	H1IFCAP	h1ifcap:w1	impflag: couple level capital income	Categ
2	H2IFCAP	h2ifcap:w2	impflag: couple level capital income	Categ
3	H3IFCAP	h3ifcap:w3	impflag: couple level capital income	Categ
4	H4IFCAP	h4ifcap:w4	impflag: couple level capital income	Categ
5	H5IFCAP	h5ifcap:w5	impflag: couple level capital income	Categ
6	H6IFCAP	h6ifcap:w6	impflag: couple level capital income	Categ
7	H7IFCAP	h7ifcap:w7	impflag: couple level capital income	Categ
8	H8IFCAP	h8ifcap:w8	impflag: couple level capital income	Categ
9	H9IFCAP	h9ifcap:w9	impflag: couple level capital income	Categ
1	H1ITFCAP	h1itfcap:w1	taxflag: couple level capital income	Categ
2	H2ITFCAP	h2itfcap:w2	taxflag: couple level capital income	Categ
3	H3ITFCAP	h3itfcap:w3	taxflag: couple level capital income	Categ
4	H4ITFCAP	h4itfcap:w4	taxflag: couple level capital income	Categ
5	H5ITFCAP	h5itfcap:w5	taxflag: couple level capital income	Categ
6	H6ITFCAP	h6itfcap:w6	taxflag: couple level capital income	Categ
7	H7ITFCAP	h7itfcap:w7	taxflag: couple level capital income	Categ
8	H8ITFCAP	h8itfcap:w8	taxflag: couple level capital income	Categ
9	H9ITFCAP	h9itfcap:w9	taxflag: couple level capital income	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ISEMP	11995	1684.48	13970.70	-45818.18	878040.81
H2ISEMP	9332	1535.92	7721.47	-12000.00	156000.00
H3ISEMP	9566	1930.24	11020.70	-18000.00	419211.81
H4ISEMP	10816	1789.97	9407.72	-90000.00	210000.00
H5ISEMP	10094	2072.07	14045.24	-20000.00	472047.47
H6ISEMP	10405	2149.01	9269.11	-48000.00	250447.39
H7ISEMP	9452	2198.72	9515.63	-30000.00	265915.50
H8ISEMP	8322	2108.56	9931.81	-10153.85	179300.00
H9ISEMP	8605	2627.66	12265.29	-10500.00	301370.00
H1IIFSEMP	12099	5.62	1.41	1.00	9.00
H2IIFSEMP	9432	5.65	1.40	1.00	9.00
H3IIFSEMP	9766	5.64	1.51	1.00	10.00
H4IIFSEMP	11050	5.73	1.38	1.00	10.00
H5IIFSEMP	10274	5.62	1.48	1.00	10.00
H6IIFSEMP	10601	5.61	1.51	1.00	10.00
H7IIFSEMP	9666	5.63	1.50	1.00	10.00
H8IIFSEMP	8445	5.66	1.44	1.00	10.00
H9IIFSEMP	8736	5.62	1.50	1.00	10.00
H1ITRENT	11891	146.08	1362.06	0.00	36000.00
H2ITRENT	9310	172.45	1513.25	0.00	46762.00
H3ITRENT	9518	236.22	2308.21	0.00	86000.00
H4ITRENT	10755	335.58	2637.05	0.00	60000.00
H5ITRENT	10043	452.41	4549.17	0.00	150000.00
H6ITRENT	10362	573.41	4359.16	0.00	160000.00

H7ITRENT	9417	615.86	3576.89	0.00	75000.00
H8ITRENT	8301	741.24	4641.84	0.00	150000.00
H9ITRENT	8579	962.93	5964.34	0.00	200004.00
H1ITIFRENT	12099	5.95	0.84	1.00	9.00
H2ITIFRENT	9432	5.92	0.84	1.00	9.00
H3ITIFRENT	9766	5.94	1.00	1.00	10.00
H4ITIFRENT	11050	5.91	1.07	1.00	10.00
H5ITIFRENT	10274	5.86	1.14	1.00	10.00
H6ITIFRENT	10601	5.81	1.24	1.00	10.00
H7ITIFRENT	9666	5.78	1.32	1.00	10.00
H8ITIFRENT	8445	5.73	1.33	1.00	10.00
H9ITIFRENT	8736	5.69	1.39	1.00	10.00
H1ITTREST	11891	1392.58	4907.34	0.00	138800.00
H2ITTREST	9310	1427.52	5653.79	0.00	235000.00
H3ITTREST	9518	1655.62	5150.40	0.00	124152.00
H4ITTREST	10755	2199.87	8216.72	0.00	260244.00
H5ITTREST	10043	1649.58	7609.95	0.00	259102.00
H6ITTREST	10362	2562.58	26158.02	0.00	804000.00
H7ITTREST	9417	1530.47	6648.36	0.00	293000.00
H8ITTREST	8301	1755.82	7364.84	0.00	154501.03
H9ITTREST	8579	2026.55	11740.29	0.00	277952.00
H1ITTFREST	12099	3.08	2.21	1.00	9.00
H2ITTFREST	9432	2.96	2.19	1.00	9.00
H3ITTFREST	9766	3.09	2.33	1.00	10.00
H4ITTFREST	11050	3.10	2.33	1.00	10.00
H5ITTFREST	10274	3.21	2.37	1.00	10.00
H6ITTFREST	10601	3.42	2.42	1.00	10.00
H7ITTFREST	9666	3.43	2.44	1.00	10.00
H8ITTFREST	8445	3.28	2.40	1.00	10.00
H9ITTFREST	8736	3.43	2.39	1.00	10.00
H1ICAP	11891	3213.99	15055.84	-45818.18	879210.81
H2ICAP	9310	3124.18	10197.11	-9412.00	235000.00
H3ICAP	9518	3825.40	12925.03	-15000.00	420511.81
H4ICAP	10755	4332.87	13581.09	-89580.00	260244.00
H5ICAP	10043	4178.61	17862.71	-20000.00	478947.47
H6ICAP	10362	5280.56	28489.65	-48000.00	811744.19
H7ICAP	9417	4333.93	13116.77	-26049.48	293000.00
H8ICAP	8301	4610.96	15033.56	-10151.85	254501.03
H9ICAP	8579	5611.81	19635.79	-7960.00	359400.00
H1IFCAP	12099	3.16	2.27	1.00	9.00
H2IFCAP	9432	3.06	2.26	1.00	9.00
H3IFCAP	9766	3.17	2.39	1.00	10.00
H4IFCAP	11050	3.19	2.37	1.00	10.00
H5IFCAP	10274	3.23	2.38	1.00	10.00
H6IFCAP	10601	3.42	2.44	1.00	10.00
H7IFCAP	9666	3.42	2.45	1.00	10.00
H8IFCAP	8445	3.33	2.44	1.00	10.00
H9IFCAP	8736	3.45	2.44	1.00	10.00
H1ITFCAP	11995	2.11	0.31	2.00	3.00
H2ITFCAP	9332	2.10	0.30	2.00	3.00
H3ITFCAP	9566	2.12	0.32	2.00	3.00
H4ITFCAP	10816	2.10	0.30	2.00	3.00
H5ITFCAP	10094	2.12	0.33	2.00	3.00
H6ITFCAP	10405	2.13	0.33	2.00	3.00
H7ITFCAP	9452	2.12	0.33	2.00	3.00
H8ITFCAP	8322	2.11	0.32	2.00	3.00
H9ITFCAP	8605	2.12	0.33	2.00	3.00

## Categorical Variable Codes

Value-----	H1IIFSEMP	H2IIFSEMP	H3IIFSEMP	H4IIFSEMP	H5IIFSEMP
1.continuous value	825	632	721	656	750
2.closed range bracket	208	139	159	121	148
3.open range bracket	36	20	25	27	22
5.no value/bracket	210	137	173	262	272
6.no income	10323	8098	8139	9445	8709
7.dk	393	306	349	305	193
9.non-responding spouse	104	100	149	166	108
10.institutional interview			51	68	72

Value-----	H6IIFSEMP	H7IIFSEMP	H8IIFSEMP	H9IIFSEMP
1.continuous value	818	712	586	656
2.closed range bracket	138	139	107	135
3.open range bracket	23	20	18	21
5.no value/bracket	303	261	216	220
6.no income	8896	8129	7084	7214
7.dk	227	191	311	359
9.non-responding spouse	121	150	65	77
10.institutional interview	75	64	58	54

Value-----	H1ITIFRENT	H2ITIFRENT	H3ITIFRENT	H4ITIFRENT	H5ITIFRENT
1.continuous value	253	211	280	370	410
2.closed range bracket	15	11	5	13	33
3.open range bracket	1	3		5	4
5.no value/bracket	36	35	39	74	43
6.no income	11498	9020	9131	10229	9510
7.dk	88	30	63	64	43
9.non-responding spouse	208	122	197	227	159
10.institutional interview			51	68	72

Value-----	H6ITIFRENT	H7ITIFRENT	H8ITIFRENT	H9ITIFRENT
1.continuous value	541	568	540	625
2.closed range bracket	25	18	14	18
3.open range bracket	2	4		7
5.no value/bracket	52	59	42	39
6.no income	9682	8699	7652	7866
7.dk	60	69	53	24
9.non-responding spouse	164	185	86	103
10.institutional interview	75	64	58	54

Value-----	H1ITTFREST	H2ITTFREST	H3ITTFREST	H4ITTFREST	H5ITTFREST
1.continuous value	4455	3850	4123	4568	4231
2.closed range bracket	2841	2027	1700	1985	1668
3.open range bracket	172	121	123	184	116
5.no value/bracket	2067	1438	1599	1881	1452
6.no income	2129	1736	1807	1928	2395
7.dk	227	138	166	209	181
9.non-responding spouse	208	122	197	227	159
10.institutional interview			51	68	72

Value-----	H6ITTFREST	H7ITTFREST	H8ITTFREST	H9ITTFREST
1.continuous value	4261	3918	3638	3505
2.closed range bracket	1300	1149	1009	977
3.open range bracket	122	105	110	136
5.no value/bracket	1555	1398	1040	1272
6.no income	2881	2609	2340	2539
7.dk	243	238	164	150
9.non-responding spouse	164	185	86	103
10.institutional interview	75	64	58	54

Value-----	H1IFCAP	H2IFCAP	H3IFCAP	H4IFCAP	H5IFCAP
1.continuous value	4374	3739	4043	4457	4184
2.closed range bracket	2774	1995	1675	1943	1691
3.open range bracket	182	131	136	188	119
5.no value/bracket	2070	1417	1582	1919	1561
6.no income	1906	1592	1594	1752	2139

7.dk	585	436	488	496	349
9.non-responding spouse	208	122	197	227	159
10.institutional interview			51	68	72
Value-----	H6IFCAP	H7IFCAP	H8IFCAP	H9IFCAP	
1.continuous value	4271	3909	3588	3512	
2.closed range bracket	1294	1191	1031	1003	
3.open range bracket	127	108	105	135	
5.no value/bracket	1672	1492	1094	1304	
6.no income	2554	2303	2017	2127	
7.dk	444	414	466	498	
9.non-responding spouse	164	185	86	103	
10.institutional interview	75	64	58	54	
Value-----	H1ITFCAP	H2ITFCAP	H3ITFCAP	H4ITFCAP	H5ITFCAP
.u:Unmar			38	42	43
.v:SP NR	104	100	162	192	137
2.After tax	10672	8378	8447	9732	8881
3.Mixed before & after tax	1323	954	1119	1084	1213
Value-----	H6ITFCAP	H7ITFCAP	H8ITFCAP	H9ITFCAP	
.u:Unmar	52	40	44	34	
.v:SP NR	144	174	79	97	
2.After tax	9095	8296	7365	7533	
3.Mixed before & after tax	1310	1156	957	1072	

## How Constructed

These variables are derived at the benefit unit level. In ELSA, this is a couple or a single person with any dependent children they may have. For those couples keeping finances separately, the information reported is combined in order to obtain a benefit unit definition. Imputations were not obtained for: 1) couples where neither member answers the IA module; 2) couples keeping separate finances where one member does not answer the IA module; 3) singles who do not answer the IA module; 4) respondents living in institutions starting in Wave 3. The Capital Income and its components take value .m, "missing", in these cases. Monetary income flows are expressed as an annual equivalent in nominal pounds.

HwISEMP represents the amount earned from self-employment. It includes information from the following derived variables:

sedraw\_bu\_i represents income from business/work, after paying for any materials, equipment or goods, for self-employed individuals, imputation values included. In Wave 1, it is not specified whether the declared amount is before or after taxes and other deductions. Since Wave 2, this question is asked before deductions for any tax, national insurance or pension contributions. It is expressed as a weekly equivalent in nominal pounds.

netprof\_bu\_i represents the respondent's share of profit or loss shown on the most recent account prepared for the Inland Revenue (whether a sole owner account or in partnership), imputation values included. The reported figure can be before or after taxes and other deductions. It is expressed as a weekly equivalent in nominal pounds.

HwISEMP is defined as:  $(\text{sedraw\_bu\_i} + \text{netprof\_bu\_i}) * 52$ . Missing values for HwISEMP are set to .m. HwISEMP is set to plain missing (.) for respondents who did not respond to the current wave.

HwIIFSEMP is a flag variable based on the original flag variables (sedraw\_bu\_t, netprof\_bu\_i), indicating the response type for self-employment earnings. HwIIFSEMP is set to plain missing (.) for respondents who did not respond to the current wave.

HwITRENT represents the amount earned from rent received from second homes or holiday houses. It includes information from the following derived variable:

homei\_bu\_i represents the income or rent received from second homes or holiday houses in the last year, imputation values included. Respondents reporting to have received such income in the last year are asked: How much income or rent did you and your husband/wife/partner receive from that property in the last year, after any expenses and taxes? It is expressed as a weekly equivalent in nominal pounds.

HwITRENT is defined as:  $(\text{homei\_bu\_i}) * 52$ . Missing values for HwITRENT are set to .m. HwITRENT is set to plain missing (.) for respondents who did not respond to the current wave.

HwITIFRENT is a flag variable based on the original flag variable ( $\text{homei\_bu\_t}$ ), indicating the response type for income from second or holiday houses. HwITIFRENT is set to plain missing (.) for respondents who did not respond to the current wave.

HwITTREST represents the amount earned from interest received from financial assets. From Wave 1 to 8, it includes information from the following derived variables:

$\text{farmi\_bu\_i}$  represents the income or rent received from farm or business property in the last year, imputation values included. If the respondent declares to have received such income during the last year he is asked: How much income or rent did you and your husband/wife/partner receive from that property in the last year, after any expenses and taxes? It is expressed as a weekly equivalent in nominal pounds.

$\text{savei\_bu\_i}$  represents the interest received from current and savings accounts in the last year, imputation values included. If the respondent declares to hold current or savings accounts at a bank, building society or elsewhere then they are asked: About how much interest did you and your husband/wife/partner receive from (this/these) account(s) in the last year after tax? It is expressed as a weekly equivalent in nominal pounds.

$\text{isai\_bu\_i}$  represents the income received in the last year from Individual Savings Accounts (ISA, a tax efficient saving plan that allows individuals in the UK to invest in a number of different ways, from cash, including National Savings, to Life Insurance and Equity Investments, such as unit trusts, OEICS, investment trusts, shares, etc.), imputation values included. If the respondent declares to hold an ISA then they are asked: Not including any income that was re-invested, about how much income did you and your husband/wife/partner receive from (this/these) ISA(s) in the last year? It is expressed as a weekly equivalent in nominal pounds.

$\text{tessai\_bu\_i}$  represents the interest received from a Tax Exempt Special Savings Account (TESSA) in the last year, imputation values included. If the respondent declares to hold one or more TESSA(s) then they are asked: About how much interest did you and your husband/wife/partner receive from these accounts in the last year? It is expressed as a weekly equivalent in nominal pounds.

$\text{nsavi\_bu\_i}$  represents the interest received from National Savings accounts in the last year, imputation values included. If the respondent declares to hold National Savings Accounts or Certificates then they are asked: About how much interest did you and your husband/wife/partner receive from these accounts or certificates in the last year after tax? It is expressed as a weekly equivalent in nominal pounds.

$\text{pepi\_bu\_i}$  represents the income received in the last year from a Personal Equity Plan (PEP) (an investment plan in the UK that allows people over the age of 18 to invest in shares of UK companies), imputation values included. If the respondent declares to hold PEP(s) then they are asked: Not including any income that was reinvested, about how much income did you and your husband/wife/partner receive from these Personal Equity Plan(s) in the last year? It is expressed as a weekly equivalent in nominal pounds.

$\text{sharesi\_bu\_i}$  represents the income received from shares in the last year, imputation values included. If the respondent reports holding stocks and/or shares or share options/Employer share ownership or share clubs then they are asked: About how much dividend income did you and your husband/wife/partner receive in the last year after tax? It is expressed as a weekly equivalent in nominal pounds.

$\text{prbondsi\_bu\_i}$  represents the prize income received from Premium Bonds in the last year, imputation values included. If the respondent reports holding Premium Bonds, then they are asked: How much prize income did you and your husband/wife/partner receive from these bonds in the last year? It is expressed as a weekly equivalent in nominal pounds.

$\text{trustsi\_bu\_i}$  represents the income received from Trusts in the last year, imputation values included. If the respondent reports holding Unit or Investment Trusts, then they are asked: Not including any income that was re-invested, about how much income did you and your husband/wife/partner receive from these Unit trusts or Investment trusts in the last year after tax? It is expressed as a weekly equivalent in nominal pounds.

$\text{bondsi\_bu\_i}$  represents the income received from Bonds and Gilts in the last year, imputation values included. If the respondent declares having Bonds and Gilts, then they are asked: About how much income

did you and your husband/wife/partner receive from these Bonds and Gilts in the last year after tax? It is expressed as a weekly equivalent in nominal pounds.

othsavi\_bu\_i represents the amount of interest received from other investments in the last year, imputation values included. If the respondent declares having other savings and investments, then they are asked: About how much interest did you and your husband/wife/partner receive from these other savings or investments in the last year after tax? It is expressed as a weekly equivalent in nominal pounds.

HwITTREST, from Wave 1 to 8, is defined as:  $(farmi\_bu\_i + savei\_bu\_i + isai\_bu\_i + tessai\_bu\_i + nsavi\_bu\_i + pepi\_bu\_i + sharesi\_bu\_i + prbonds\_bu\_i + trusts\_bu\_i + bonds\_bu\_i + othsavi\_bu\_i) * 52$ . In Wave 9, the questions based on the imputed variables tessai\_bu\_i and pepi\_bu\_i are no longer asked and so their values are not included in the variable HwITTREST, since they represent TESSA and PEP accounts that no longer exist in the UK. These kinds of accounts have almost all been replaced by ISA accounts, specifically, in 1999 TESSA accounts were converted to cash ISA accounts and PEP accounts were converted to stock and shares ISA accounts. Therefore, in Wave 9, HwITTREST, is defined as:  $(farmi\_bu\_i + savei\_bu\_i + isai\_bu\_i + nsavi\_bu\_i + sharesi\_bu\_i + prbonds\_bu\_i + trusts\_bu\_i + bonds\_bu\_i + othsavi\_bu\_i) * 52$ . These variables are still comparable before and after Wave 9. Missing values for HwITTREST are set to .m. HwITTREST is set to plain missing (.) for respondents who did not respond to the current wave.

HwITTFREST is a flag variable based on the original flag variables from Wave 1 to 8 (farmi\_bu\_t, savei\_bu\_t, isai\_bu\_t, tessai\_bu\_t, nsavi\_bu\_t, pepi\_bu\_t, sharesi\_bu\_t, prbonds\_bu\_t, trusts\_bu\_t, bonds\_bu\_t, othsavi\_bu\_t), indicating the response type for income from financial assets. In Wave 9 it is based only on the original flag variables (farmi\_bu\_t, savei\_bu\_t, isai\_bu\_t, nsavi\_bu\_t, sharesi\_bu\_t, prbonds\_bu\_t, trusts\_bu\_t, bonds\_bu\_t, othsavi\_bu\_t). HwITTFREST is set to plain missing (.) for respondents who did not respond to the current wave.

The variable HwICAP is derived at the benefit unit level by adding the different components of capital income, that is: HwISEMP + HwITRENT + HwITTREST. If HwISEMP, HwITRENT, or HwITTREST are coded as missing, then HwICAP is assigned that value. HwICAP is set to plain missing (.) for respondents who did not respond to the current wave.

HwIFCAP is a flag variable based on the original flag variables, indicating the response type for capital income. HwITFCAP is a flag variable indicating the tax status of the components of HwICAP. HwITFCAP is set to 1 if all variables comprising HwICAP are before tax and other deductions. HwITFCAP is set to 2 if all variables comprising HwICAP are after tax and other deductions. HwITFCAP is set to 3 if before tax variables and after tax variables are combined to create HwICAP. HwIFCAP and HwITFCAP are set to plain missing (.) for respondents who did not respond to the current wave.

## Cross Wave Differences in ELSA

Income from business is asked at each wave. It refers to either the weekly or monthly amount in the last 12 months. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts differ depending on whether the amount will be given weekly or monthly. In addition, Waves 1, 2, 5 and onward include a check for the case the respondent reports an average weekly income from business or work of £8,000 or more, or an average monthly income over last 12 months of £30,000 or more.

Self-employment profit or loss is asked at each wave. Checks for whether the reported figure is before deductions of income tax and National Insurance are included. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. In addition, Waves 1, 2, 5 and onward include a check for the case the respondent reports an amount greater than £120,000.

Net Rent from properties received in the last year is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. In addition, Waves 1, 2, 5 and onward include a check for the case the respondent reports an amount greater than £100,000.

Household business or farm income is asked at each wave. Amounts refer to the last year and are net of expenses and taxes. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the



same in all waves. In addition, Waves 1, 2, 5 and onward include a check for the case the respondent reports an amount greater than £100,000.

Interest from current and savings accounts is asked at each wave. Amounts are after tax and refer to the last year. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are similar in all waves. In addition, Waves 1, 2, 5 and onward include a check for the case the respondent reports an amount greater than £15,000.

Income from ISA(s) in the last year is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are similar in all waves. In addition, Waves 1, 2, 5 and onward include a check for the case the respondent reports an amount greater than £4,000.

Interest from TESSA(s) in the last year is asked at each wave from Wave 1 to 8. In these waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are similar in all waves. In addition, Waves 1, 2, and 5-8 include a check for the case the respondent reports an amount greater than £8,000. Starting in Wave 9, interest from TESSA accounts is no longer asked since these accounts no longer exist and were converted to cash ISA accounts in 1999.

Interest from National Savings accounts is asked at each wave. Amounts are after tax and refer to the last year. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are similar in all waves. In addition, Waves 1, 2, 5 and onward include a check for the case the respondent reports an amount greater than £10,000.

Income from PEP(s) in the last year is asked at each wave from Wave 1 to 8. In these waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are similar in all waves. In addition, Waves 1, 2, 5 and onward include a check for the case the respondent reports an amount greater than £15,000. Starting in Wave 9, income from PEP accounts is no longer asked since these accounts no longer exist and were converted to stock and shares ISA accounts in 1999.

Dividend income from shares in the last year is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are similar in all waves. In addition, Waves 1, 2, 5 and onward include a check for the case the respondent reports an amount greater than £30,000.

Prize income from Premium Bonds in the last year is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are similar in all waves. In addition, Waves 1, 2, 5 and onward include a check for the case the respondent reports an amount greater than £20,000.

Income from Trusts is asked at each wave. Amounts are after tax and refer to the last year. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are similar in all waves. In addition, Waves 1, 2, 5 and onward include a check for the case the respondent reports an amount greater than £20,000.

Income from Bonds and Gilts is asked at each wave. Amounts are after tax and refer to the last year. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are similar in all waves. In addition, Waves 1, 2, 5 and onward include a check for the case the respondent reports an amount greater than £100,000.

Other asset income is asked at each wave. Amounts are after tax and refer to the last year. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are similar in all waves. In addition, Waves 1, 2, 5 and onward include a check for the case the respondent reports an amount greater than £20,000.

### **Differences with the RAND HRS/Harmonized HRS**

Family Capital Income in ELSA is expressed in nominal pounds, whereas the equivalent measure in RAND HRS

is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

Components included in Harmonized ELSA and RAND HRS are slightly different for capital income representing different institutional arrangements in each country. However, we kept the concepts included as comparable as possible.

While the HRS asks amount of self-employment income in a single question eliciting income and profits, ELSA asks about self-employment income in two separate questions. The first question asks about income from business after expenses have been deducted, and the second question asks about the share of the profit or loss from business.

The ELSA variable income from ISA is included in the Harmonized ELSA family capital income variables, but in the HRS, income from an ISA-like account is only surveyed in Wave 2.

## ELSA Variables Used

### Wave 1 Financial:

BONDSI_BU_I	BU income from Bonds and Gilts (iabgi) - value (incl. im
BONDSI_BU_T	BU income from Bonds and Gilts (iabgi) - imputation flag
FARMI_BU_I	BU inc from farm or business property (iafba) - value (i
FARMI_BU_T	BU inc from farm or business property (iafba) - imputati
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira)- imputat
ISAI_BU_I	BU interest from ISA (iaisad) - value (incl. imputed val
ISAI_BU_T	BU interest from ISA (iaisad) - imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PEPI_BU_I	BU income from PEPs (iaipi) - value (incl. imputed value
PEPI_BU_T	BU income from PEPs (iaipi) - imputation flag
PRBONDSI_BU_I	BU prize money from Premium Bonds (ianpbp) - value (incl
PRBONDSI_BU_T	BU prize money from Premium Bonds (ianpbp) - imputation
SAVEI_BU_I	BU interest from current/savings a/cs (iasint) - value (
SAVEI_BU_T	BU interest from current/savings a/cs (iasint) - imputat
SEDRAW_BU_I	BU self-emp drawings (wpbi) - value (incl. imputed value
SEDRAW_BU_T	BU self-emp drawings (wpbi) - imputation flag
SHARESI_BU_I	BU income from Shares (iasssi) - value (incl. imputed va
SHARESI_BU_T	BU income from Shares (iasssi) - imputation flag
TESSAI_BU_I	BU interest from TESSA (iatii) - value (incl. imputed va
TESSAI_BU_T	BU interest from TESSA (iatii) - imputation flag
TRUSTSI_BU_I	BU income from Trusts (iauiti) - value (incl. imputed va
TRUSTSI_BU_T	BU income from Trusts (iauiti) - imputation flag

### Wave 2 Financial:

BONDSI_BU_I	BU income from Bonds and Gilts (iabgi) - value (incl. im
BONDSI_BU_T	BU income from Bonds and Gilts (iabgi) - imputation flag
FARMI_BU_I	BU inc from farm or business property (iafba) - value (i
FARMI_BU_T	BU inc from farm or business property (iafba) - imputati
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira) - imputat
ISAI_BU_I	BU interest from ISA (iaisad) - value (incl. imputed val
ISAI_BU_T	BU interest from ISA (iaisad) - imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PEPI_BU_I	BU income from PEPs (iaipi) - value (incl. imputed value
PEPI_BU_T	BU income from PEPs (iaipi) - imputation flag

PRBONDSI_BU_I	BU prize money from Premium Bonds (ianpbp) - value (incl
PRBONDSI_BU_T	BU prize money from Premium Bonds (ianpbp) - imputation
SAVEI_BU_I	BU interest from current/savings a/cs (iasint) - value (
SAVEI_BU_T	BU interest from current/savings a/cs (iasint) - imputat
SEDRAW_BU_I	BU self-emp drawings (wpbi) - value (incl. imputed value
SEDRAW_BU_T	BU self-emp drawings (wpbi) - imputation flag
SHARESI_BU_I	BU income from Shares (iasssi) - value (incl. imputed va
SHARESI_BU_T	BU income from Shares (iasssi) - imputation flag
TESSAI_BU_I	BU interest from TESSA (iatii) - value (incl. imputed va
TESSAI_BU_T	BU interest from TESSA (iatii) - imputation flag
TRUSTSI_BU_I	BU income from Trusts (iauiti) - value (incl. imputed va
TRUSTSI_BU_T	BU income from Trusts (iauiti) - imputation flag
Wave 3 Financial:	
BONDSI_BU_I	BU income from Bonds and Gilts (iabgi) - value (incl. im
BONDSI_BU_T	BU income from Bonds and Gilts (iabgi) - imputation flag
FARMI_BU_I	BU inc from farm or business property (iafba) - value (i
FARMI_BU_T	BU inc from farm or business property (iafba) - imputati
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira) - imputat
ISAI_BU_I	BU interest from ISA (iaisad) - value (incl. imputed val
ISAI_BU_T	BU interest from ISA (iaisad) - imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PEPI_BU_I	BU income from PEPs (iaipi) - value (incl. imputed value
PEPI_BU_T	BU income from PEPs (iaipi) - imputation flag
PRBONDSI_BU_I	BU prize money from Premium Bonds (ianpbp) - value (incl
PRBONDSI_BU_T	BU prize money from Premium Bonds (ianpbp) - imputation
SAVEI_BU_I	BU interest from current/savings a/cs (iasint) - value (
SAVEI_BU_T	BU interest from current/savings a/cs (iasint) - imputat
SEDRAW_BU_I	BU self-emp drawings (wpbi) - value (incl. imputed value
SEDRAW_BU_T	BU self-emp drawings (wpbi) - imputation flag
SHARESI_BU_I	BU income from Shares (iasssi) - value (incl. imputed va
SHARESI_BU_T	BU income from Shares (iasssi) - imputation flag
TESSAI_BU_I	BU interest from TESSA (iatii) - value (incl. imputed va
TESSAI_BU_T	BU interest from TESSA (iatii) - imputation flag
TRUSTSI_BU_I	BU income from Trusts (iauiti) - value (incl. imputed va
TRUSTSI_BU_T	BU income from Trusts (iauiti) - imputation flag
Wave 4 Financial:	
BONDSI_BU_I	BU income from Bonds and Gilts (iabgi) - value (incl. im
BONDSI_BU_T	BU income from Bonds and Gilts (iabgi) - imputation flag
FARMI_BU_I	BU inc from farm or business property (iafba) - value (i
FARMI_BU_T	BU inc from farm or business property (iafba) - imputati
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira) - imputat
ISAI_BU_I	BU interest from ISA (iaisad) - value (incl. imputed val
ISAI_BU_T	BU interest from ISA (iaisad) - imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PEPI_BU_I	BU income from PEPs (iaipi) - value (incl. imputed value
PEPI_BU_T	BU income from PEPs (iaipi) - imputation flag
PRBONDSI_BU_I	BU prize money from Premium Bonds (ianpbp) - value (incl
PRBONDSI_BU_T	BU prize money from Premium Bonds (ianpbp) - imputation
SAVEI_BU_I	BU interest from current/savings a/cs (iasint) - value (
SAVEI_BU_T	BU interest from current/savings a/cs (iasint) - imputat
SEDRAW_BU_I	BU self-emp drawings (wpbi) - value (incl. imputed value

SEDRAW_BU_T	BU self-emp drawings (wpbi) - imputation flag
SHARESI_BU_I	BU income from Shares (iasssi) - value (incl. imputed va
SHARESI_BU_T	BU income from Shares (iasssi) - imputation flag
TESSAI_BU_I	BU interest from TESSA (iatii) - value (incl. imputed va
TESSAI_BU_T	BU interest from TESSA (iatii) - imputation flag
TRUSTSI_BU_I	BU income from Trusts (iauiti) - value (incl. imputed va
TRUSTSI_BU_T	BU income from Trusts (iauiti) - imputation flag
Wave 5 Financial:	
BONDSI_BU_I	BU income from Bonds and Gilts (iabgi) - value (incl. im
BONDSI_BU_T	BU income from Bonds and Gilts (iabgi) - imputation flag
FARMI_BU_I	BU inc from farm or business property (iafba) - value (i
FARMI_BU_T	BU inc from farm or business property (iafba) - imputati
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira) - imputat
ISAI_BU_I	BU interest from ISA (iaisad) - value (incl. imputed val
ISAI_BU_T	BU interest from ISA (iaisad) - imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdn) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdn) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PEPI_BU_I	BU income from PEPs (iaipi) - value (incl. imputed value
PEPI_BU_T	BU income from PEPs (iaipi) - imputation flag
PRBONDSI_BU_I	BU prize money from Premium Bonds (ianpbp) - value (incl
PRBONDSI_BU_T	BU prize money from Premium Bonds (ianpbp) - imputation
SAVEI_BU_I	BU interest from current/savings a/cs (iasint) - value (
SAVEI_BU_T	BU interest from current/savings a/cs (iasint) - imputat
SEDRAW_BU_I	BU self-emp drawings (wpbi) - value (incl. imputed value
SEDRAW_BU_T	BU self-emp drawings (wpbi) - imputation flag
SHARESI_BU_I	BU income from Shares (iasssi) - value (incl. imputed va
SHARESI_BU_T	BU income from Shares (iasssi) - imputation flag
TESSAI_BU_I	BU interest from TESSA (iatii) - value (incl. imputed va
TESSAI_BU_T	BU interest from TESSA (iatii) - imputation flag
TRUSTSI_BU_I	BU income from Trusts (iauiti) - value (incl. imputed va
TRUSTSI_BU_T	BU income from Trusts (iauiti) - imputation flag
Wave 6 Financial:	
BONDSI_BU_I	BU income from Bonds and Gilts (iabgi) - value (incl. im
BONDSI_BU_T	BU income from Bonds and Gilts (iabgi) - imputation flag
FARMI_BU_I	BU inc from farm or business property (iafba) - value (i
FARMI_BU_T	BU inc from farm or business property (iafba) - imputati
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira) - imputat
ISAI_BU_I	BU interest from ISA (iaisad) - value (incl. imputed val
ISAI_BU_T	BU interest from ISA (iaisad) - imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdn) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdn) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PEPI_BU_I	BU income from PEPs (iaipi) - value (incl. imputed value
PEPI_BU_T	BU income from PEPs (iaipi) - imputation flag
PRBONDSI_BU_I	BU prize money from Premium Bonds (ianpbp) - value (incl
PRBONDSI_BU_T	BU prize money from Premium Bonds (ianpbp) - imputation
SAVEI_BU_I	BU interest from current/savings a/cs (iasint) - value (
SAVEI_BU_T	BU interest from current/savings a/cs (iasint) - imputat
SEDRAW_BU_I	BU self-emp drawings (wpbi) - value (incl. imputed value
SEDRAW_BU_T	BU self-emp drawings (wpbi) - imputation flag
SHARESI_BU_I	BU income from Shares (iasssi) - value (incl. imputed va
SHARESI_BU_T	BU income from Shares (iasssi) - imputation flag
TESSAI_BU_I	BU interest from TESSA (iatii) - value (incl. imputed va
TESSAI_BU_T	BU interest from TESSA (iatii) - imputation flag

TRUSTSI_BU_I	BU income from Trusts (iauiti) - value (incl. imputed va
TRUSTSI_BU_T	BU income from Trusts (iauiti) - imputation flag
Wave 7 Financial:	
BONDSI_BU_I	BU income from Bonds and Gilts (iabgi) - value (incl. im
BONDSI_BU_T	BU income from Bonds and Gilts (iabgi) - imputation flag
FARMI_BU_I	BU inc from farm or business property (iafba) - value (i
FARMI_BU_T	BU inc from farm or business property (iafba) - imputati
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira) - imputat
ISAI_BU_I	BU interest from ISA (iaisad) - value (incl. imputed val
ISAI_BU_T	BU interest from ISA (iaisad) - imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PEPI_BU_I	BU income from PEPs (iaipi) - value (incl. imputed value
PEPI_BU_T	BU income from PEPs (iaipi) - imputation flag
PRBONDSI_BU_I	BU prize money from Premium Bonds (ianpbp) - value (incl
PRBONDSI_BU_T	BU prize money from Premium Bonds (ianpbp) - imputation
SAVEI_BU_I	BU interest from current/savings a/cs (iasint) - value (
SAVEI_BU_T	BU interest from current/savings a/cs (iasint) - imputat
SEDRAW_BU_I	BU self-emp drawings (wpbi) - value (incl. imputed value
SEDRAW_BU_T	BU self-emp drawings (wpbi) - imputation flag
SHARESI_BU_I	BU income from Shares (iasssi) - value (incl. imputed va
SHARESI_BU_T	BU income from Shares (iasssi) - imputation flag
TESSAI_BU_I	BU interest from TESSA (iatii) - value (incl. imputed va
TESSAI_BU_T	BU interest from TESSA (iatii) - imputation flag
TRUSTSI_BU_I	BU income from Trusts (iauiti) - value (incl. imputed va
TRUSTSI_BU_T	BU income from Trusts (iauiti) - imputation flag
Wave 8 Financial:	
BONDSI_BU_I	BU income from Bonds and Gilts (iabgi) - value (incl. im
BONDSI_BU_T	BU income from Bonds and Gilts (iabgi) - imputation flag
FARMI_BU_I	BU inc from farm or business property (iafba) - value (i
FARMI_BU_T	BU inc from farm or business property (iafba) - imputati
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira) - imputat
ISAI_BU_I	BU interest from ISA (iaisad) - value (incl. imputed val
ISAI_BU_T	BU interest from ISA (iaisad) - imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PEPI_BU_I	BU income from PEPs (iaipi) - value (incl. imputed value
PEPI_BU_T	BU income from PEPs (iaipi) - imputation flag
PRBONDSI_BU_I	BU prize money from Premium Bonds (ianpbp) - value (incl
PRBONDSI_BU_T	BU prize money from Premium Bonds (ianpbp) - imputation
SAVEI_BU_I	BU interest from current/savings a/cs (iasint) - value (
SAVEI_BU_T	BU interest from current/savings a/cs (iasint) - imputat
SEDRAW_BU_I	BU self-emp drawings (wpbi) - value (incl. imputed value
SEDRAW_BU_T	BU self-emp drawings (wpbi) - imputation flag
SHARESI_BU_I	BU income from Shares (iasssi) - value (incl. imputed va
SHARESI_BU_T	BU income from Shares (iasssi) - imputation flag
TESSAI_BU_I	BU interest from TESSA (iatii) - value (incl. imputed va
TESSAI_BU_T	BU interest from TESSA (iatii) - imputation flag
TRUSTSI_BU_I	BU income from Trusts (iauiti) - value (incl. imputed va
TRUSTSI_BU_T	BU income from Trusts (iauiti) - imputation flag
Wave 9 Financial:	
BONDSI_BU_I	BU income from Bonds and Gilts (iabgi) - value (incl. im
BONDSI_BU_T	BU income from Bonds and Gilts (iabgi) - imputation flag

FARMI_BU_I	BU inc from farm or business property (iafba) - value (i
FARMI_BU_T	BU inc from farm or business property (iafba) - imputati
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira) - imputat
ISAI_BU_I	BU interest from ISA (iaisad) - value (incl. imputed val
ISAI_BU_T	BU interest from ISA (iaisad) - imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PRBONDSI_BU_I	BU prize money from Premium Bonds (ianpbp) - value (incl
PRBONDSI_BU_T	BU prize money from Premium Bonds (ianpbp) - imputation
SAVEI_BU_I	BU interest from current/savings a/cs (iasint) - value (
SAVEI_BU_T	BU interest from current/savings a/cs (iasint) - imputat
SEDRAW_BU_I	BU self-emp drawings (wpbi) - value (incl. imputed value
SEDRAW_BU_T	BU self-emp drawings (wpbi) - imputation flag
SHARESI_BU_I	BU income from Shares (iasssi) - value (incl. imputed va
SHARESI_BU_T	BU income from Shares (iasssi) - imputation flag
TRUSTSI_BU_I	BU income from Trusts (iauiti) - value (incl. imputed va
TRUSTSI_BU_T	BU income from Trusts (iauiti) - imputation flag

<b>Income from Employer/Private Pension and Annuity</b>
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Wave	Variable	Label	Type
1	R1ITPENA	r1itpena:w1 income: r pension + annuity (after tax)	Cont
2	R2ITPENA	r2itpena:w2 income: r pension + annuity (after tax)	Cont
3	R3ITPENA	r3itpena:w3 income: r pension + annuity (after tax)	Cont
4	R4ITPENA	r4itpena:w4 income: r pension + annuity (after tax)	Cont
5	R5ITPENA	r5itpena:w5 income: r pension + annuity (after tax)	Cont
6	R6ITPENA	r6itpena:w6 income: r pension + annuity (after tax)	Cont
7	R7ITPENA	r7itpena:w7 income: r pension + annuity (after tax)	Cont
8	R8ITPENA	r8itpena:w8 income: r pension + annuity (after tax)	Cont
9	R9ITPENA	r9itpena:w9 income: r pension + annuity (after tax)	Cont
1	S1ITPENA	s1itpena:w1 income: s pension + annuity (after tax)	Cont
2	S2ITPENA	s2itpena:w2 income: s pension + annuity (after tax)	Cont
3	S3ITPENA	s3itpena:w3 income: s pension + annuity (after tax)	Cont
4	S4ITPENA	s4itpena:w4 income: s pension + annuity (after tax)	Cont
5	S5ITPENA	s5itpena:w5 income: s pension + annuity (after tax)	Cont
6	S6ITPENA	s6itpena:w6 income: s pension + annuity (after tax)	Cont
7	S7ITPENA	s7itpena:w7 income: s pension + annuity (after tax)	Cont
8	S8ITPENA	s8itpena:w8 income: s pension + annuity (after tax)	Cont
9	S9ITPENA	s9itpena:w9 income: s pension + annuity (after tax)	Cont
1	R1ITIFPENA	r1itifpena:w1 impflag: r pension + annuity	Categ
2	R2ITIFPENA	r2itifpena:w2 impflag: r pension + annuity	Categ
3	R3ITIFPENA	r3itifpena:w3 impflag: r pension + annuity	Categ
4	R4ITIFPENA	r4itifpena:w4 impflag: r pension + annuity	Categ
5	R5ITIFPENA	r5itifpena:w5 impflag: r pension + annuity	Categ
6	R6ITIFPENA	r6itifpena:w6 impflag: r pension + annuity	Categ
7	R7ITIFPENA	r7itifpena:w7 impflag: r pension + annuity	Categ
8	R8ITIFPENA	r8itifpena:w8 impflag: r pension + annuity	Categ
9	R9ITIFPENA	r9itifpena:w9 impflag: r pension + annuity	Categ
1	S1ITIFPENA	s1itifpena:w1 impflag: s pension + annuity	Categ
2	S2ITIFPENA	s2itifpena:w2 impflag: s pension + annuity	Categ
3	S3ITIFPENA	s3itifpena:w3 impflag: s pension + annuity	Categ
4	S4ITIFPENA	s4itifpena:w4 impflag: s pension + annuity	Categ
5	S5ITIFPENA	s5itifpena:w5 impflag: s pension + annuity	Categ
6	S6ITIFPENA	s6itifpena:w6 impflag: s pension + annuity	Categ
7	S7ITIFPENA	s7itifpena:w7 impflag: s pension + annuity	Categ
8	S8ITIFPENA	s8itifpena:w8 impflag: s pension + annuity	Categ
9	S9ITIFPENA	s9itifpena:w9 impflag: s pension + annuity	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ITPENA	12002	2257.62	6127.31	0.00	263026.34
R2ITPENA	9410	2935.90	9352.78	0.00	497999.13
R3ITPENA	9667	2569.19	5706.79	0.00	178000.00
R4ITPENA	10922	3251.82	6913.36	0.00	175000.00
R5ITPENA	10153	3882.32	7582.16	0.00	125624.44
R6ITPENA	10485	4210.27	8566.64	0.00	238640.28
R7ITPENA	9568	4671.03	8363.43	0.00	113475.29
R8ITPENA	8366	5284.40	9530.92	0.00	300230.97
R9ITPENA	8658	5164.05	8975.64	0.00	215635.11
S1ITPENA	11899	1535.59	4372.93	0.00	100000.00
S2ITPENA	9311	2001.43	6406.30	0.00	349665.16
S3ITPENA	9520	1812.54	4806.26	0.00	116200.93

S4ITPENA	10756	2331.19	6264.00	0.00	175000.00
S5ITPENA	10045	2802.63	6980.42	0.00	124980.15
S6ITPENA	10364	3073.39	7734.62	0.00	238640.28
S7ITPENA	9418	3434.70	7793.25	0.00	113475.29
S8ITPENA	8301	3886.79	9040.86	0.00	300230.97
S9ITPENA	8581	3732.87	8338.08	0.00	215635.11
R1ITIFPENA	12099	4.13	2.44	1.00	9.00
R2ITIFPENA	9432	3.75	2.47	1.00	9.00
R3ITIFPENA	9766	4.14	2.46	1.00	10.00
R4ITIFPENA	11050	3.93	2.51	1.00	10.00
R5ITIFPENA	10274	3.67	2.54	1.00	10.00
R6ITIFPENA	10601	3.68	2.54	1.00	10.00
R7ITIFPENA	9666	3.58	2.53	1.00	10.00
R8ITIFPENA	8445	3.33	2.53	1.00	10.00
R9ITIFPENA	8736	3.56	2.52	1.00	10.00
S1ITIFPENA	12099	4.97	2.15	1.00	9.00
S2ITIFPENA	9432	4.73	2.28	1.00	9.00
S3ITIFPENA	9766	4.93	2.24	1.00	10.00
S4ITIFPENA	11050	4.79	2.32	1.00	10.00
S5ITIFPENA	10274	4.56	2.40	1.00	10.00
S6ITIFPENA	10601	4.54	2.41	1.00	10.00
S7ITIFPENA	9666	4.51	2.44	1.00	10.00
S8ITIFPENA	8445	4.34	2.48	1.00	10.00
S9ITIFPENA	8736	4.50	2.43	1.00	10.00

### Categorical Variable Codes

Value-----	R1ITIFPENA	R2ITIFPENA	R3ITIFPENA	R4ITIFPENA	R5ITIFPENA
1.continuous value	4378	4111	3578	4479	4679
2.closed range bracket	190	114	107	170	168
3.open range bracket	48	61	34	49	59
5.no value/bracket	206	163	157	216	221
6.no income	7058	4909	5713	5909	4951
7.dk	122	52	78	99	75
9.non-responding spouse	97	22	48	60	49
10.institutional interview			51	68	72

Value-----	R6ITIFPENA	R7ITIFPENA	R8ITIFPENA	R9ITIFPENA
1.continuous value	4811	4560	4390	4110
2.closed range bracket	161	145	143	187
3.open range bracket	75	67	53	70
5.no value/bracket	227	246	207	179
6.no income	5122	4454	3500	4063
7.dk	89	96	73	49
9.non-responding spouse	41	34	21	24
10.institutional interview	75	64	58	54

Value-----	S1ITIFPENA	S2ITIFPENA	S3ITIFPENA	S4ITIFPENA	S5ITIFPENA
1.continuous value	2575	2453	2238	2814	3042
2.closed range bracket	113	61	53	93	92
3.open range bracket	24	36	22	31	34
5.no value/bracket	130	98	99	141	134
6.no income	8627	6321	6734	7323	6518
7.dk	430	342	374	354	225
9.non-responding spouse	200	121	195	226	157
10.institutional interview			51	68	72

Value-----	S6ITIFPENA	S7ITIFPENA	S8ITIFPENA	S9ITIFPENA
1.continuous value	3183	2988	2864	2676
2.closed range bracket	82	70	76	102
3.open range bracket	44	40	35	44
5.no value/bracket	146	161	127	100
6.no income	6649	5914	4893	5288
7.dk	260	245	306	371



9.non-responding spouse		162	184	86	101
10.institutional interview		75	64	58	54

## How Constructed

RwITPENA is the respondent's income from employer or private pensions and annuities. The variable RwITPENA is expressed as an annual equivalent in nominal pounds, and is constructed from the following derived variable:

ppinc\_r\_s represents the income that the respondent received from personal or employer pensions and annuity income, imputation values included. It is based on the respondent's answers to the following questions: "About how much income did you and your husband/wife/partner receive in the last year from personal or employer pensions before taxes and other deductions?" and "How much annuity income did you receive in the last year after tax?". The pension amount does not include any lump sums received. The combined pension and annuity income is expressed as weekly equivalents and in current values. It is expressed as a weekly equivalent in nominal pounds.

RwITPENA is defined as: (ppinc\_r\_s)\*52. Note that no adjustments are made for the fact that pensions are measured before taxes whereas annuities are measured after taxes. Imputations are not obtained for respondents living in institutions starting in Wave 3. Missing responses are coded as .m. RwITPENA is set to blank missing (.) for respondents who did not respond to the current wave.

RwITIFPENA is a flag variable based on the original flag variable (ppinc\_r\_t), indicating response types for earnings from employer or private pensions and annuities. RwITIFPENA is set to blank missing (.) for respondents who did not respond to the current wave.

SwITPENA and SwITIFPENA are the current wave's spouse's income from employer or private pensions and annuities and the flag indicating response types, respectively. They are taken from the spouse's values to RwITPENA and RwITIFPENA. In addition to the special missing codes used by RwITPENA and RwITIFPENA, SwITPENA and SwITIFPENA employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Income from personal or employment pensions received in the last year is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. In addition, Waves 1, 2, 5 and onward include a check for the case the respondent reports receiving more than £60,000 in the last year.

Respondent's Annuity Income received in the last year is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. In addition, Waves 1, 2, 5 and onward include a check for the case the respondent reports receiving more than £30,000 annuity income in the last year.

## Differences with the RAND HRS/Harmonized HRS

Monetary flows from private pensions and annuity in ELSA are expressed in nominal pounds, whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

## ELSA Variables Used

Wave 1 Financial:

PPINC_P_S	partner tot annuitised inc (priv pen + other annuity inc
PPINC_P_T	partner tot annuitised inc (priv pen + other annuity inc
PPINC_R_S	respondent tot annuitised inc (priv pen + oth annuity in
PPINC_R_T	respondent tot annuitised inc (priv pen + oth annuity in

Wave 2 Financial:



<b>Public Pension Income</b>
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Wave	Variable	Label	Type
1	R1ISSDI	r1issdi:w1 income: r public disability pension	Cont
2	R2ISSDI	r2issdi:w2 income: r public disability pension	Cont
3	R3ISSDI	r3issdi:w3 income: r public disability pension	Cont
4	R4ISSDI	r4issdi:w4 income: r public disability pension	Cont
5	R5ISSDI	r5issdi:w5 income: r public disability pension	Cont
6	R6ISSDI	r6issdi:w6 income: r public disability pension	Cont
7	R7ISSDI	r7issdi:w7 income: r public disability pension	Cont
8	R8ISSDI	r8issdi:w8 income: r public disability pension	Cont
9	R9ISSDI	r9issdi:w9 income: r public disability pension	Cont
1	S1ISSDI	s1issdi:w1 income: s public disability pension	Cont
2	S2ISSDI	s2issdi:w2 income: s public disability pension	Cont
3	S3ISSDI	s3issdi:w3 income: s public disability pension	Cont
4	S4ISSDI	s4issdi:w4 income: s public disability pension	Cont
5	S5ISSDI	s5issdi:w5 income: s public disability pension	Cont
6	S6ISSDI	s6issdi:w6 income: s public disability pension	Cont
7	S7ISSDI	s7issdi:w7 income: s public disability pension	Cont
8	S8ISSDI	s8issdi:w8 income: s public disability pension	Cont
9	S9ISSDI	s9issdi:w9 income: s public disability pension	Cont
1	R1IFSSDI	r1ifssdi:w1 impflag: r public disability pension	Categ
2	R2IFSSDI	r2ifssdi:w2 impflag: r public disability pension	Categ
3	R3IFSSDI	r3ifssdi:w3 impflag: r public disability pension	Categ
4	R4IFSSDI	r4ifssdi:w4 impflag: r public disability pension	Categ
5	R5IFSSDI	r5ifssdi:w5 impflag: r public disability pension	Categ
6	R6IFSSDI	r6ifssdi:w6 impflag: r public disability pension	Categ
7	R7IFSSDI	r7ifssdi:w7 impflag: r public disability pension	Categ
8	R8IFSSDI	r8ifssdi:w8 impflag: r public disability pension	Categ
9	R9IFSSDI	r9ifssdi:w9 impflag: r public disability pension	Categ
1	S1IFSSDI	s1ifssdi:w1 impflag: s public disability pension	Categ
2	S2IFSSDI	s2ifssdi:w2 impflag: s public disability pension	Categ
3	S3IFSSDI	s3ifssdi:w3 impflag: s public disability pension	Categ
4	S4IFSSDI	s4ifssdi:w4 impflag: s public disability pension	Categ
5	S5IFSSDI	s5ifssdi:w5 impflag: s public disability pension	Categ
6	S6IFSSDI	s6ifssdi:w6 impflag: s public disability pension	Categ
7	S7IFSSDI	s7ifssdi:w7 impflag: s public disability pension	Categ
8	S8IFSSDI	s8ifssdi:w8 impflag: s public disability pension	Categ
9	S9IFSSDI	s9ifssdi:w9 impflag: s public disability pension	Categ
1	R1ISRET	r1isret:w1 income: r public old-age pension	Cont
2	R2ISRET	r2isret:w2 income: r public old-age pension	Cont
3	R3ISRET	r3isret:w3 income: r public old-age pension	Cont
4	R4ISRET	r4isret:w4 income: r public old-age pension	Cont
5	R5ISRET	r5isret:w5 income: r public old-age pension	Cont
6	R6ISRET	r6isret:w6 income: r public old-age pension	Cont
7	R7ISRET	r7isret:w7 income: r public old-age pension	Cont
8	R8ISRET	r8isret:w8 income: r public old-age pension	Cont
9	R9ISRET	r9isret:w9 income: r public old-age pension	Cont
1	S1ISRET	s1isret:w1 income: s public old-age pension	Cont
2	S2ISRET	s2isret:w2 income: s public old-age pension	Cont
3	S3ISRET	s3isret:w3 income: s public old-age pension	Cont
4	S4ISRET	s4isret:w4 income: s public old-age pension	Cont
5	S5ISRET	s5isret:w5 income: s public old-age pension	Cont
6	S6ISRET	s6isret:w6 income: s public old-age pension	Cont
7	S7ISRET	s7isret:w7 income: s public old-age pension	Cont

8	S8ISRET	s8isret:w8	income: s	public	old-age pension	Cont
9	S9ISRET	s9isret:w9	income: s	public	old-age pension	Cont
1	R1IFSRET	r1ifsret:w1	incflag: r	public	old-age pension	Categ
2	R2IFSRET	r2ifsret:w2	incflag: r	public	old-age pension	Categ
3	R3IFSRET	r3ifsret:w3	incflag: r	public	old-age pension	Categ
4	R4IFSRET	r4ifsret:w4	incflag: r	public	old-age pension	Categ
5	R5IFSRET	r5ifsret:w5	incflag: r	public	old-age pension	Categ
6	R6IFSRET	r6ifsret:w6	incflag: r	public	old-age pension	Categ
7	R7IFSRET	r7ifsret:w7	incflag: r	public	old-age pension	Categ
8	R8IFSRET	r8ifsret:w8	incflag: r	public	old-age pension	Categ
9	R9IFSRET	r9ifsret:w9	incflag: r	public	old-age pension	Categ
1	S1IFSRET	s1ifsret:w1	incflag: s	public	old-age pension	Categ
2	S2IFSRET	s2ifsret:w2	incflag: s	public	old-age pension	Categ
3	S3IFSRET	s3ifsret:w3	incflag: s	public	old-age pension	Categ
4	S4IFSRET	s4ifsret:w4	incflag: s	public	old-age pension	Categ
5	S5IFSRET	s5ifsret:w5	incflag: s	public	old-age pension	Categ
6	S6IFSRET	s6ifsret:w6	incflag: s	public	old-age pension	Categ
7	S7IFSRET	s7ifsret:w7	incflag: s	public	old-age pension	Categ
8	S8IFSRET	s8ifsret:w8	incflag: s	public	old-age pension	Categ
9	S9IFSRET	s9ifsret:w9	incflag: s	public	old-age pension	Categ
1	R1IPUBPEN	r1ipubpen:w1	income: r	public	pensions	Cont
2	R2IPUBPEN	r2ipubpen:w2	income: r	public	pensions	Cont
3	R3IPUBPEN	r3ipubpen:w3	income: r	public	pensions	Cont
4	R4IPUBPEN	r4ipubpen:w4	income: r	public	pensions	Cont
5	R5IPUBPEN	r5ipubpen:w5	income: r	public	pensions	Cont
6	R6IPUBPEN	r6ipubpen:w6	income: r	public	pensions	Cont
7	R7IPUBPEN	r7ipubpen:w7	income: r	public	pensions	Cont
8	R8IPUBPEN	r8ipubpen:w8	income: r	public	pensions	Cont
9	R9IPUBPEN	r9ipubpen:w9	income: r	public	pensions	Cont
1	S1IPUBPEN	s1ipubpen:w1	income: s	public	pensions	Cont
2	S2IPUBPEN	s2ipubpen:w2	income: s	public	pensions	Cont
3	S3IPUBPEN	s3ipubpen:w3	income: s	public	pensions	Cont
4	S4IPUBPEN	s4ipubpen:w4	income: s	public	pensions	Cont
5	S5IPUBPEN	s5ipubpen:w5	income: s	public	pensions	Cont
6	S6IPUBPEN	s6ipubpen:w6	income: s	public	pensions	Cont
7	S7IPUBPEN	s7ipubpen:w7	income: s	public	pensions	Cont
8	S8IPUBPEN	s8ipubpen:w8	income: s	public	pensions	Cont
9	S9IPUBPEN	s9ipubpen:w9	income: s	public	pensions	Cont
1	R1IFPUBPEN	r1ifpubpen:w1	impflag: r	public	pensions	Categ
2	R2IFPUBPEN	r2ifpubpen:w2	impflag: r	public	pensions	Categ
3	R3IFPUBPEN	r3ifpubpen:w3	impflag: r	public	pensions	Categ
4	R4IFPUBPEN	r4ifpubpen:w4	impflag: r	public	pensions	Categ
5	R5IFPUBPEN	r5ifpubpen:w5	impflag: r	public	pensions	Categ
6	R6IFPUBPEN	r6ifpubpen:w6	impflag: r	public	pensions	Categ
7	R7IFPUBPEN	r7ifpubpen:w7	impflag: r	public	pensions	Categ
8	R8IFPUBPEN	r8ifpubpen:w8	impflag: r	public	pensions	Categ
9	R9IFPUBPEN	r9ifpubpen:w9	impflag: r	public	pensions	Categ
1	S1IFPUBPEN	s1ifpubpen:w1	impflag: s	public	pensions	Categ
2	S2IFPUBPEN	s2ifpubpen:w2	impflag: s	public	pensions	Categ
3	S3IFPUBPEN	s3ifpubpen:w3	impflag: s	public	pensions	Categ
4	S4IFPUBPEN	s4ifpubpen:w4	impflag: s	public	pensions	Categ
5	S5IFPUBPEN	s5ifpubpen:w5	impflag: s	public	pensions	Categ
6	S6IFPUBPEN	s6ifpubpen:w6	impflag: s	public	pensions	Categ
7	S7IFPUBPEN	s7ifpubpen:w7	impflag: s	public	pensions	Categ
8	S8IFPUBPEN	s8ifpubpen:w8	impflag: s	public	pensions	Categ
9	S9IFPUBPEN	s9ifpubpen:w9	impflag: s	public	pensions	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ISSDI	12001	498.18	1559.20	0.00	25272.00
R2ISSDI	9410	534.64	1642.05	0.00	20072.00
R3ISSDI	9667	511.80	1635.05	0.00	29016.00
R4ISSDI	10922	545.20	1703.46	0.00	29380.00
R5ISSDI	10153	579.59	1815.56	0.00	26000.00
R6ISSDI	10485	523.17	1662.29	0.00	24596.00
R7ISSDI	9568	451.10	1520.84	0.00	19135.76
R8ISSDI	8366	448.02	1543.35	0.00	20111.00
R9ISSDI	8658	367.16	1329.92	0.00	19461.00
S1ISSDI	11898	315.43	1279.16	0.00	18525.00
S2ISSDI	9311	334.28	1361.90	0.00	20072.00
S3ISSDI	9520	291.69	1236.37	0.00	17472.00
S4ISSDI	10756	315.09	1320.62	0.00	29380.00
S5ISSDI	10045	331.87	1401.41	0.00	19760.00
S6ISSDI	10364	293.23	1265.85	0.00	19032.00
S7ISSDI	9418	253.09	1135.07	0.00	15418.00
S8ISSDI	8301	237.68	1099.93	0.00	20111.00
S9ISSDI	8581	199.20	958.33	0.00	12428.00
R1IFSSDI	12099	5.41	1.67	1.00	9.00
R2IFSSDI	9432	5.36	1.68	1.00	9.00
R3IFSSDI	9766	5.44	1.67	1.00	10.00
R4IFSSDI	11050	5.43	1.68	1.00	10.00
R5IFSSDI	10274	5.43	1.68	1.00	10.00
R6IFSSDI	10601	5.48	1.62	1.00	10.00
R7IFSSDI	9666	5.55	1.53	1.00	10.00
R8IFSSDI	8445	5.55	1.52	1.00	10.00
R9IFSSDI	8736	5.62	1.41	1.00	10.00
S1IFSSDI	12099	5.68	1.38	1.00	9.00
S2IFSSDI	9432	5.66	1.37	1.00	9.00
S3IFSSDI	9766	5.74	1.38	1.00	10.00
S4IFSSDI	11050	5.74	1.39	1.00	10.00
S5IFSSDI	10274	5.73	1.36	1.00	10.00
S6IFSSDI	10601	5.76	1.32	1.00	10.00
S7IFSSDI	9666	5.80	1.27	1.00	10.00
S8IFSSDI	8445	5.79	1.22	1.00	10.00
S9IFSSDI	8736	5.83	1.14	1.00	10.00
R1ISRET	12002	2195.72	2498.92	0.00	19630.00
R2ISRET	9410	2664.06	2733.79	0.00	18891.43
R3ISRET	9667	2528.27	2925.14	0.00	19032.00
R4ISRET	10922	2896.55	3165.67	0.00	25636.00
R5ISRET	10153	3509.58	3436.45	0.00	19657.92
R6ISRET	10485	3843.08	3803.03	0.00	29299.66
R7ISRET	9568	4212.95	3959.83	0.00	40000.00
R8ISRET	8366	4789.28	4012.21	0.00	19344.00
R9ISRET	8658	4633.56	4286.87	0.00	27612.00
S1ISRET	11899	1153.87	2036.52	0.00	14560.00
S2ISRET	9311	1415.61	2283.60	0.00	13208.00
S3ISRET	9520	1332.69	2352.12	0.00	15236.00
S4ISRET	10756	1637.06	2666.44	0.00	25636.00
S5ISRET	10045	2025.06	2977.45	0.00	15600.00
S6ISRET	10364	2304.00	3310.24	0.00	21136.26
S7ISRET	9418	2599.85	3596.32	0.00	40000.00
S8ISRET	8301	3021.89	3808.31	0.00	16900.00
S9ISRET	8581	2945.87	3946.82	0.00	18408.00

R1IFSRET	12099	3.56	2.53	1.00	9.00
R2IFSRET	9432	3.25	2.49	1.00	9.00
R3IFSRET	9766	3.65	2.54	1.00	10.00
R4IFSRET	11050	3.51	2.55	1.00	10.00
R5IFSRET	10274	3.23	2.53	1.00	10.00
R6IFSRET	10601	3.27	2.53	1.00	10.00
R7IFSRET	9666	3.20	2.51	1.00	10.00
R8IFSRET	8445	2.92	2.46	1.00	10.00
R9IFSRET	8736	3.19	2.51	1.00	10.00
S1IFSRET	12099	4.64	2.31	1.00	9.00
S2IFSRET	9432	4.43	2.38	1.00	9.00
S3IFSRET	9766	4.71	2.33	1.00	10.00
S4IFSRET	11050	4.55	2.41	1.00	10.00
S5IFSRET	10274	4.33	2.47	1.00	10.00
S6IFSRET	10601	4.30	2.48	1.00	10.00
S7IFSRET	9666	4.26	2.50	1.00	10.00
S8IFSRET	8445	4.03	2.52	1.00	10.00
S9IFSRET	8736	4.19	2.48	1.00	10.00
R1IPUBPEN	12001	2694.08	2849.13	0.00	26468.00
R2IPUBPEN	9410	3198.70	3127.07	0.00	29952.00
R3IPUBPEN	9667	3040.08	3318.64	0.00	38688.00
R4IPUBPEN	10922	3441.75	3591.77	0.00	36192.00
R5IPUBPEN	10153	4089.16	3857.13	0.00	39000.00
R6IPUBPEN	10485	4366.25	4162.08	0.00	32939.66
R7IPUBPEN	9568	4664.05	4280.86	0.00	40000.00
R8IPUBPEN	8366	5237.30	4366.29	0.00	29835.00
R9IPUBPEN	8658	5000.72	4582.28	0.00	36192.00
S1IPUBPEN	11898	1469.40	2411.58	0.00	18525.00
S2IPUBPEN	9311	1749.89	2688.99	0.00	21398.00
S3IPUBPEN	9520	1624.38	2699.32	0.00	19212.14
S4IPUBPEN	10756	1952.15	3025.71	0.00	29380.00
S5IPUBPEN	10045	2356.93	3349.10	0.00	29432.00
S6IPUBPEN	10364	2597.23	3610.97	0.00	23972.00
S7IPUBPEN	9418	2852.94	3857.47	0.00	40000.00
S8IPUBPEN	8301	3259.57	4073.32	0.00	23869.80
S9IPUBPEN	8581	3145.07	4165.99	0.00	22152.00
R1IFPUBPEN	12099	3.26	2.51	1.00	9.00
R2IFPUBPEN	9432	2.99	2.44	1.00	9.00
R3IFPUBPEN	9766	3.39	2.54	1.00	10.00
R4IFPUBPEN	11050	3.28	2.54	1.00	10.00
R5IFPUBPEN	10274	3.02	2.49	1.00	10.00
R6IFPUBPEN	10601	3.10	2.50	1.00	10.00
R7IFPUBPEN	9666	3.08	2.48	1.00	10.00
R8IFPUBPEN	8445	2.84	2.44	1.00	10.00
R9IFPUBPEN	8736	3.11	2.49	1.00	10.00
S1IFPUBPEN	12099	4.43	2.40	1.00	9.00
S2IFPUBPEN	9432	4.24	2.44	1.00	9.00
S3IFPUBPEN	9766	4.54	2.41	1.00	10.00
S4IFPUBPEN	11050	4.39	2.47	1.00	10.00
S5IFPUBPEN	10274	4.18	2.51	1.00	10.00
S6IFPUBPEN	10601	4.18	2.51	1.00	10.00
S7IFPUBPEN	9666	4.17	2.52	1.00	10.00
S8IFPUBPEN	8445	3.97	2.53	1.00	10.00
S9IFPUBPEN	8736	4.14	2.49	1.00	10.00

**Categorical Variable Codes**

Value-----	R1IFSSDI	R2IFSSDI	R3IFSSDI	R4IFSSDI	R5IFSSDI
1.continuous value	1466	1184	1136	1294	1212
2.closed range bracket	21	29	32	37	27
3.open range bracket		3	2	3	4
5.no value/bracket	117	102	105	151	142
6.no income	10339	8069	8337	9387	8755
7.dk	59	23	55	50	13
9.non-responding spouse	97	22	48	60	49
10.institutional interview			51	68	72
Value-----	R6IFSSDI	R7IFSSDI	R8IFSSDI	R9IFSSDI	
1.continuous value	1125	903	781	680	
2.closed range bracket	46	27	22	30	
3.open range bracket	3	2	3	2	
5.no value/bracket	155	142	98	76	
6.no income	9138	8479	7453	7858	
7.dk	18	15	9	12	
9.non-responding spouse	41	34	21	24	
10.institutional interview	75	64	58	54	
Value-----	S1IFSSDI	S2IFSSDI	S3IFSSDI	S4IFSSDI	S5IFSSDI
1.continuous value	887	701	659	746	683
2.closed range bracket	8	9	11	14	8
3.open range bracket		2	2	1	1
5.no value/bracket	57	59	47	72	74
6.no income	10905	8530	8767	9897	9276
7.dk	42	10	34	26	3
9.non-responding spouse	200	121	195	226	157
10.institutional interview			51	68	72
Value-----	S6IFSSDI	S7IFSSDI	S8IFSSDI	S9IFSSDI	
1.continuous value	638	521	439	381	
2.closed range bracket	25	14	12	12	
3.open range bracket	2		2	1	
5.no value/bracket	72	69	50	39	
6.no income	9620	8809	7795	8143	
7.dk	7	5	3	5	
9.non-responding spouse	162	184	86	101	
10.institutional interview	75	64	58	54	
Value-----	R1IFSRET	R2IFSRET	R3IFSRET	R4IFSRET	R5IFSRET
1.continuous value	5871	5117	4568	5483	5649
2.closed range bracket	90	60	75	77	82
3.open range bracket	13	16	16	26	24
5.no value/bracket	165	134	161	215	270
6.no income	5792	4040	4769	5041	4090
7.dk	71	43	78	80	38
9.non-responding spouse	97	22	48	60	49
10.institutional interview			51	68	72
Value-----	R6IFSRET	R7IFSRET	R8IFSRET	R9IFSRET	
1.continuous value	5729	5321	5139	4834	
2.closed range bracket	79	85	55	72	
3.open range bracket	42	56	39	59	
5.no value/bracket	292	351	255	221	
6.no income	4309	3731	2859	3458	
7.dk	34	24	19	14	
9.non-responding spouse	41	34	21	24	
10.institutional interview	75	64	58	54	
Value-----	S1IFSRET	S2IFSRET	S3IFSRET	S4IFSRET	S5IFSRET
1.continuous value	3351	2983	2637	3337	3516
2.closed range bracket	50	30	28	42	51
3.open range bracket	6	9	8	17	15
5.no value/bracket	98	84	93	134	162
6.no income	8344	6187	6699	7183	6272
7.dk	50	18	55	43	29
9.non-responding spouse	200	121	195	226	157
10.institutional interview			51	68	72

Value-----	S6IFSRET	S7IFSRET	S8IFSRET	S9IFSRET	
1.continuous value	3670	3417	3348	3170	
2.closed range bracket	47	54	34	43	
3.open range bracket	22	34	28	37	
5.no value/bracket	196	241	192	172	
6.no income	6408	5656	4686	5148	
7.dk	21	16	13	11	
9.non-responding spouse	162	184	86	101	
10.institutional interview	75	64	58	54	
Value-----	R1IFPUBPEN	R2IFPUBPEN	R3IFPUBPEN	R4IFPUBPEN	R5IFPUBPEN
1.continuous value	6558	5591	5047	5953	6050
2.closed range bracket	101	79	97	103	95
3.open range bracket	11	17	13	25	25
5.no value/bracket	263	220	247	335	378
6.no income	4984	3456	4173	4415	3556
7.dk	85	47	90	91	49
9.non-responding spouse	97	22	48	60	49
10.institutional interview			51	68	72
Value-----	R6IFPUBPEN	R7IFPUBPEN	R8IFPUBPEN	R9IFPUBPEN	
1.continuous value	6047	5527	5258	4948	
2.closed range bracket	116	101	69	95	
3.open range bracket	41	52	37	55	
5.no value/bracket	395	451	324	266	
6.no income	3837	3402	2651	3271	
7.dk	49	35	27	23	
9.non-responding spouse	41	34	21	24	
10.institutional interview	75	64	58	54	
Value-----	S1IFPUBPEN	S2IFPUBPEN	S3IFPUBPEN	S4IFPUBPEN	S5IFPUBPEN
1.continuous value	3851	3327	2952	3673	3805
2.closed range bracket	56	36	37	52	56
3.open range bracket	6	10	9	17	15
5.no value/bracket	146	133	132	195	224
6.no income	7782	5785	6330	6772	5913
7.dk	58	20	60	47	32
9.non-responding spouse	200	121	195	226	157
10.institutional interview			51	68	72
Value-----	S6IFPUBPEN	S7IFPUBPEN	S8IFPUBPEN	S9IFPUBPEN	
1.continuous value	3897	3577	3435	3254	
2.closed range bracket	68	63	42	51	
3.open range bracket	22	33	28	35	
5.no value/bracket	248	291	228	197	
6.no income	6103	5434	4552	5029	
7.dk	26	20	16	15	
9.non-responding spouse	162	184	86	101	
10.institutional interview	75	64	58	54	

## How Constructed

RwISSDI represents individual earnings from disability pensions, and is expressed as an annual equivalent in nominal pounds. It includes information from the following derived variables:

icb\_r\_i records the respondent's Current Incapacity Benefit, imputation values included. If the respondent declares to have received this type of benefit during the last year then they are asked: How much did you usually (or last time if he does not receive the benefit currently) receive from this benefit? It is expressed as a weekly equivalent in nominal pounds.

sda\_r\_i records the respondent's Severe Disability Allowance, imputation values included. If the respondent declares to have received this type of benefit during the last year then they are asked: How much did you usually (or last time if he does not receive the benefit currently) receive from this benefit? It is expressed as a weekly equivalent in nominal pounds.

attall\_r\_i records the respondent's Attendance Allowance (a tax-free noncontributory welfare benefit for people over 65 years old who are so severely disabled that they need frequent attention or continual supervision for a period of six months or more), imputation values included. If the respondent declares



to have received this type of benefit during the last year then they are asked: How much did you usually (or last time if he does not receive the benefit currently) receive from this benefit? It is expressed as a weekly equivalent in nominal pounds.

dla\_r\_i records the respondent's Disability Living Allowance (a benefit that helps with the extra costs that disabled people face as a result of their disabilities; it can be claimed by severely disabled individuals before their 65th birthday), imputation values included. If the respondent declares to have received this type of benefit during the last year then they are asked: How much did you usually (or last time if he does not receive the benefit currently) receive from this benefit? It is expressed as a weekly equivalent in nominal pounds.

indinj\_r\_i records the respondent's Industrial Injuries Disablement Benefit (a benefit for those who have suffered an accident at work or contracted a disease because of their job), imputation values included. If the respondent declares to have received this type of benefit during the last year then they are asked: How much did you usually (or last time if he does not receive the benefit currently) receive from this benefit? It is expressed as a weekly equivalent in nominal pounds.

invcare\_r\_i, or carers\_r\_i in Waves 2 and beyond, records the respondent's Invalid Care Allowance (Carer's Allowance in Waves 2 and beyond, a benefit received by those of working age who are unable to work full-time because they are caring for a severely disabled person who is at home), imputation values included. If the respondent declares to have received this type of benefit during the last year then they are asked: How much did you usually (or last time if he does not receive the benefit currently) receive from this benefit? It is expressed as a weekly equivalent in nominal pounds.

dptc\_r\_i records the respondent's Disabled Person Tax Credit formerly Disability Working Allowance (a tax credit payable to people with an illness or disability who are in work), imputation values included. This question is only asked in Wave 1 as the benefit was abolished in April 2003 and became part of the Working Tax Credit. If the respondent declares to have received this type of benefit during the last year then they are asked: How much did you usually (or last time if he does not receive the benefit currently) receive from this benefit? It is expressed as a weekly equivalent in nominal pounds.

The respondent's income from disability pensions in Wave 1 is defined as:  $(icb\_r\_i + sda\_r\_i + attall\_r\_i + dla\_r\_i + inj\_r\_i + invcare\_r\_i + dptc\_r\_i) * 52$ . Starting in Wave 2, the respondent's income from disability pensions is defined as:  $(icb\_r\_i + sda\_r\_i + attall\_r\_i + dla\_r\_i + inj\_r\_i + carers\_r\_i) * 52$ . For anonymity purposes, respondents who indicated an individual income from disability pensions greater than 100,000 pounds had responses top-coded as special missing .t. Imputations are not obtained for respondents living in institutions starting in Wave 3. Missing responses are coded as .m. Rwisssi is set to plain missing (.) when respondents do not respond to the current wave.

Rwifssdi is a flag variable based on the original flag variables (icb\_r\_t, sda\_r\_t, attall\_r\_t, dla\_r\_t, inj\_r\_t, invcare\_r\_t, dptc\_r\_t), indicating response types for disability pensions. Due to the fact that dptc\_r\_i is only asked in Wave 1, starting in Wave 2, Rwifssdi is based on the original flag variables (icb\_r\_t, sda\_r\_t, attall\_r\_t, dla\_r\_t, inj\_r\_t, carers\_r\_t). Rwifssdi is set to plain missing (.) when respondents do not respond to the current wave.

Swisssi and Swifssdi represent the current wave's spouse's income from disability pensions and flag indicating response types, respectively. They are taken from the spouse's values to Rwisssi and Rwifssdi. In addition to the special missing codes used by Rwisssi and Rwifssdi, Swisssi and Swifssdi employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Rwisret represents individual earnings from public pensions without disability, and is expressed as an annual equivalent in nominal pounds. It includes information from the following derived variables:

spen\_r\_i represents the amount of state pensions the respondent declared to have received in the last year, imputation values included. It is expressed as a weekly equivalent in nominal pounds.

widpen\_r\_i represents the amount of widow's pension the respondent declared to have received in the last year, imputation values included. It is expressed as a weekly equivalent in nominal pounds.

The respondent's income from public pensions without disability is defined as:  $(spen\_r\_i + widpen\_r\_i) * 52$ . For anonymity purposes, respondents who indicated an individual income from public

pensions without disability greater than 100,000 pounds had responses top-coded as special missing .t. Imputations are not obtained for respondents living in institutions starting in Wave 3. Missing responses are set to .m. Rwisret is set to plain missing (.) when respondents do not respond to the current wave.

Rwifsret is a flag variable based on the original flag variables (spen\_r\_t, widpen\_r\_t), indicating response types for public pensions without disability. Rwifsret is set to plain missing (.) when respondents do not respond to the current wave.

Swisret and Swifsret represent the current wave's spouse's income from public pensions without disability and flag indicating response types, respectively. They are taken from the spouse's values to Rwisret and Rwifsret. In addition to the special missing codes used by Rwisret and Rwifsret, Swisret and Swifsret employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Rwipubpen represents individual earnings from public pensions, and is expressed as an annual equivalent in nominal pounds. The respondent's income from public pensions is defined as: Rwisret + Swisret. If Rwisret or Swisret is set to .m, then Rwipubpen is assigned that missing code. Rwipubpen is set to plain missing (.) when respondents do not respond to the current wave.

Rwifpubpen is a flag variable based on the original flag variables, indicating response types for public pensions. Rwifpubpen is set to plain missing (.) when respondents do not respond to the current wave.

Swipubpen and Swifpubpen represent the current wave's spouse's income from public pensions and flag indicating response types, respectively. They are taken from the spouse's values to Rwipubpen and Rwifpubpen. In addition to the special missing codes used by Rwipubpen and Rwifpubpen, Swipubpen and Swifpubpen employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Income from incapacity benefit is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts vary with the reference period of the received benefits.

Income from Severe Disability Allowance is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts vary with the reference period of the received benefits.

Income from Attendance Allowance is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts vary with the reference period of the received benefits.

Income from Disability Living Allowance is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts vary with the reference period of the received benefits.

Income from Industrial Injuries Disablement Benefit is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts vary with the reference period of the received benefits.

Income from Invalid Care Allowance, or the Carer's Allowance starting in wave 2, is asked at each wave. Given the reforms in the UK benefit system, the Invalid Care allowance collected in Wave 1 was replaced by the Carer's Allowance in Waves 2 and beyond. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts vary with the reference period of the received benefits.

Income from Disabled Person Tax Credit is only asked in Wave 1. If the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. Bracket amounts vary with the reference period of the received benefits.

Respondent's income from state pensions is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts differ depending on the reference period for the reported monetary flow (1 week, 2 weeks, 1 month, 1 year/lump sum). In addition, all waves include checks for the case the respondent reports receiving more than £300 per week, more than £600 every two weeks, more than £1200 per month, or more than £15,000 per year.

Widow's pension amount received by the respondent and the partner is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts change with the reference period for the reported monetary flow.

### Differences with the RAND HRS/Harmonized HRS

Individual income from public pensions in ELSA is expressed in nominal pounds, whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

Components included in Harmonized ELSA and RAND HRS are slightly different for public pensions representing different institutional arrangements in each country. However, we kept the concepts included as comparable as possible.

### ELSA Variables Used

#### Wave 1 Financial:

ATTALL_P_I	partner current att allowance (iaa4/iaa24) - value (incl
ATTALL_P_T	partner current att allowance (iaa4/iaa24) - imputation
ATTALL_R_I	current attendance allowance (iaa4/iaa24) - value (incl.
ATTALL_R_T	current attendance allowance (iaa4/iaa24) - imputation f
DLA_P_I	partner current DLA (iaa5/iaa25) - value (incl. imputed
DLA_P_T	partner current DLA (iaa5/iaa25) - imputation flag
DLA_R_I	current DLA (iaa5/iaa25) - value (incl. imputed values)
DLA_R_T	current DLA (iaa5/iaa25) - imputation flag
DPTC_P_I	partner current DPTC (iaa9/iaa29) - value (incl. imputed
DPTC_P_T	partner current DPTC (iaa9/iaa29) - imputation flag
DPTC_R_I	current DPTC (iaa9/iaa29) - value (incl. imputed values)
DPTC_R_T	current DPTC (iaa9/iaa29) - imputation flag
ICB_P_I	partner current incapacity benefit (iaa1/iaa21) - value
ICB_P_T	partner current incapacity benefit (iaa1/iaa21) - imputa
ICB_R_I	current incapacity benefit (iaa1/iaa21) - value (incl. i
ICB_R_T	current incapacity benefit (iaa1/iaa21) - imputation fla
INDINJ_P_I	partner current ind inj benefit (iaa6/iaa26) - value (in
INDINJ_P_T	partner current ind inj benefit (iaa6/iaa26) - imputatio
INDINJ_R_I	current ind inj benefit (iaa6/iaa26) - value (incl. impu
INDINJ_R_T	current ind inj benefit (iaa6/iaa26) - imputation flag
INVCARE_P_I	partner current invalid care all (iaa8/iaa28) - value (i
INVCARE_P_T	partner current invalid care all (iaa8/iaa28) - imputati
INVCARE_R_I	current invalid care all (iaa8/iaa28) - value (incl. imp
INVCARE_R_T	current invalid care all (iaa8/iaa28) - imputation flag
SDA_P_I	partner current SDA (iaa2/iaa22) - value (incl. imputed
SDA_P_T	partner current SDA (iaa2/iaa22) - imputation flag
SDA_R_I	current SDA (iaa2/iaa22) - value (incl. imputed values)
SDA_R_T	current SDA (iaa2/iaa22) - imputation flag
SPEN_P_I	partner state pension income (iapam/iappam) - value (in
SPEN_P_T	partner state pension income (iapam/iappam) - imputatio
SPEN_R_I	state pension income (iapam/iappam) - value (incl. imput
SPEN_R_T	state pension income (iapam/iappam) - imputation flag

WIDPEN_P_I	partner current Widow's pension (iaa45/iaa59) - value (incl. imputed values)
WIDPEN_P_T	partner current Widow's pension (iaa45/iaa59) - imputation flag
WIDPEN_R_I	current Widow's pension (iaa45/iaa59) - value (incl. imputed values)
WIDPEN_R_T	current Widow's pension (iaa45/iaa59) - imputation flag
Wave 2 Financial:	
ATTALL_P_I	partner current att allowance (iaa4/iaa22) - value (incl. imputed values)
ATTALL_P_T	partner current att allowance (iaa4/iaa22) - imputation flag
ATTALL_R_I	current attendance allowance (iaa4/iaa22) - value (incl. imputed values)
ATTALL_R_T	current attendance allowance (iaa4/iaa22) - imputation flag
CARERS_P_I	partner current invalid care all (iaa8/iaa26) - value (incl. imputed values)
CARERS_P_T	partner current invalid care all (iaa8/iaa26) - imputation flag
CARERS_R_I	current invalid care all (iaa8/iaa26) - value (incl. imputed values)
CARERS_R_T	current invalid care all (iaa8/iaa26) - imputation flag
DLA_P_I	partner current DLA (iaa5/iaa23) - value (incl. imputed values)
DLA_P_T	partner current DLA (iaa5/iaa23) - imputation flag
DLA_R_I	current DLA (iaa5/iaa23) - value (incl. imputed values)
DLA_R_T	current DLA (iaa5/iaa23) - imputation flag
ICB_P_I	partner current incapacity benefit (iaa1/iaa19) - value (incl. imputed values)
ICB_P_T	partner current incapacity benefit (iaa1/iaa19) - imputation flag
ICB_R_I	current incapacity benefit (iaa1/iaa19) - value (incl. imputed values)
ICB_R_T	current incapacity benefit (iaa1/iaa19) - imputation flag
INDINJ_P_I	partner current ind inj benefit (iaa6/iaa24) - value (incl. imputed values)
INDINJ_P_T	partner current ind inj benefit (iaa6/iaa24) - imputation flag
INDINJ_R_I	current ind inj benefit (iaa6/iaa24) - value (incl. imputed values)
INDINJ_R_T	current ind inj benefit (iaa6/iaa24) - imputation flag
SDA_P_I	partner current SDA (iaa2/iaa20) - value (incl. imputed values)
SDA_P_T	partner current SDA (iaa2/iaa20) - imputation flag
SDA_R_I	current SDA (iaa2/iaa20) - value (incl. imputed values)
SDA_R_T	current SDA (iaa2/iaa20) - imputation flag
SPEN_P_I	partner state pension income (iapam/iappam) - value (incl. imputed values)
SPEN_P_T	partner state pension income (iapam/iappam) - imputation flag
SPEN_R_I	state pension income (iapam/iappam) - value (incl. imputed values)
SPEN_R_T	state pension income (iapam/iappam) - imputation flag
WIDPEN_P_I	partner current Widow's pension (iaa42/iaa60) - value (incl. imputed values)
WIDPEN_P_T	partner current Widow's pension (iaa42/iaa60) - imputation flag
WIDPEN_R_I	current Widow's pension (iaa42/iaa60) - value (incl. imputed values)
WIDPEN_R_T	current Widow's pension (iaa42/iaa60) - imputation flag
Wave 3 Financial:	
ATTALL_P_I	- value (incl. imputed values)
ATTALL_P_T	- imputation flag
ATTALL_R_I	- value (incl. imputed values)
ATTALL_R_T	- imputation flag
CARERS_P_I	- value (incl. imputed values)
CARERS_P_T	- imputation flag
CARERS_R_I	- value (incl. imputed values)
CARERS_R_T	- imputation flag
DLA_P_I	- value (incl. imputed values)
DLA_P_T	- imputation flag
DLA_R_I	- value (incl. imputed values)
DLA_R_T	- imputation flag
ICB_P_I	- value (incl. imputed values)
ICB_P_T	- imputation flag
ICB_R_I	- value (incl. imputed values)
ICB_R_T	- imputation flag
INDINJ_P_I	- value (incl. imputed values)
INDINJ_P_T	- imputation flag
INDINJ_R_I	- value (incl. imputed values)
INDINJ_R_T	- imputation flag
SDA_P_I	- value (incl. imputed values)
SDA_P_T	- imputation flag
SDA_R_I	- value (incl. imputed values)
SDA_R_T	- imputation flag
SPEN_P_I	partner state pension income (iapam/iappam) - value (incl. imputed values)

SPEN\_P\_T partner state pension income (iapam/iappam) - imputatio  
 SPEN\_R\_I state pension income (iapam/iappam) - value (incl. imput  
 SPEN\_R\_T state pension income (iapam/iappam) - imputation flag  
 WIDPEN\_P\_I - value (incl. imputed values)  
 WIDPEN\_P\_T - imputation flag  
 WIDPEN\_R\_I - value (incl. imputed values)  
 WIDPEN\_R\_T - imputation flag  
 Wave 4 Financial:  
 ATTALL\_P\_I - value (incl. imputed values)  
 ATTALL\_P\_T - imputation flag  
 ATTALL\_R\_I - value (incl. imputed values)  
 ATTALL\_R\_T - imputation flag  
 CARERS\_P\_I - value (incl. imputed values)  
 CARERS\_P\_T - imputation flag  
 CARERS\_R\_I - value (incl. imputed values)  
 CARERS\_R\_T - imputation flag  
 DLA\_P\_I - value (incl. imputed values)  
 DLA\_P\_T - imputation flag  
 DLA\_R\_I - value (incl. imputed values)  
 DLA\_R\_T - imputation flag  
 ICB\_P\_I - value (incl. imputed values)  
 ICB\_P\_T - imputation flag  
 ICB\_R\_I - value (incl. imputed values)  
 ICB\_R\_T - imputation flag  
 INDINJ\_P\_I - value (incl. imputed values)  
 INDINJ\_P\_T - imputation flag  
 INDINJ\_R\_I - value (incl. imputed values)  
 INDINJ\_R\_T - imputation flag  
 SDA\_P\_I - value (incl. imputed values)  
 SDA\_P\_T - imputation flag  
 SDA\_R\_I - value (incl. imputed values)  
 SDA\_R\_T - imputation flag  
 SPEN\_P\_I partner state pension income (iapam/iappam) - value (in  
 SPEN\_P\_T partner state pension income (iapam/iappam) - imputatio  
 SPEN\_R\_I state pension income (iapam/iappam) - value (incl. imput  
 SPEN\_R\_T state pension income (iapam/iappam) - imputation flag  
 WIDPEN\_P\_I - value (incl. imputed values)  
 WIDPEN\_P\_T - imputation flag  
 WIDPEN\_R\_I - value (incl. imputed values)  
 WIDPEN\_R\_T - imputation flag  
 Wave 5 Financial:  
 ATTALL\_P\_I partner current att allowance (iaa5/iaa15) - value (incl  
 ATTALL\_P\_T partner current att allowance (iaa5/iaa15) - imputation  
 ATTALL\_R\_I current attendance allowance (iaa5/iaa15) - value (incl.  
 ATTALL\_R\_T current attendance allowance (iaa5/iaa15) - imputation f  
 CARERS\_P\_I partner current invalid care all (iaa9/iaa19) - value (i  
 CARERS\_P\_T partner current invalid care all (iaa9/iaa19) - imputati  
 CARERS\_R\_I current invalid care all (iaa9/iaa19) - value (incl. imp  
 CARERS\_R\_T current invalid care all (iaa9/iaa19) - imputation flag  
 DLA\_P\_I partner current DLA (iaa6/iaa16) - value (incl. imputed  
 DLA\_P\_T partner current DLA (iaa6/iaa16) - imputation flag  
 DLA\_R\_I current DLA (iaa6/iaa16) - value (incl. imputed values)  
 DLA\_R\_T current DLA (iaa6/iaa16) - imputation flag  
 ICB\_P\_I partner current incapacity benefit (iaa1/iaa11) - value  
 ICB\_P\_T partner current incapacity benefit (iaa1/iaa11) - imputa  
 ICB\_R\_I current incapacity benefit (iaa1/iaa11) - value (incl. i  
 ICB\_R\_T current incapacity benefit (iaa1/iaa11) - imputation fla  
 INDINJ\_P\_I partner current ind inj benefit (iaa7/iaa17) - value (in  
 INDINJ\_P\_T partner current ind inj benefit (iaa7/iaa17) - imputatio  
 INDINJ\_R\_I current ind inj benefit (iaa7/iaa17) - value (incl. impu  
 INDINJ\_R\_T current ind inj benefit (iaa7/iaa17) - imputation flag  
 SDA\_P\_I partner current SDA (iaa3/iaa13) - value (incl. imputed  
 SDA\_P\_T partner current SDA (iaa3/iaa13) - imputation flag

SDA\_R\_I current SDA (iaa3/iaa13) - value (incl. imputed values)  
 SDA\_R\_T current SDA (iaa3/iaa13) - imputation flag  
 SPEN\_P\_I partner state pension income (iapam/iappam) - value (in  
 SPEN\_P\_T partner state pension income (iapam/iappam) - imputatio  
 SPEN\_R\_I state pension income (iapam/iappam) - value (incl. imput  
 SPEN\_R\_T state pension income (iapam/iappam) - imputation flag  
 WIDPEN\_P\_I partner current Widow's pension (iaa26/iaa35 - value (in  
 WIDPEN\_P\_T partner current Widow's pension (iaa26/iaa35 - imputatio  
 WIDPEN\_R\_I current Widow's pension (iaa26/iaa35) - value (incl. imp  
 WIDPEN\_R\_T current Widow's pension (iaa26/iaa35) - imputation flag

## Wave 6 Financial:

ATTALL\_P\_I partner current att allowance (iaa5/iaa15) - value (incl  
 ATTALL\_P\_T partner current att allowance (iaa5/iaa15) - imputation  
 ATTALL\_R\_I current attendance allowance (iaa5/iaa15) - value (incl.  
 ATTALL\_R\_T current attendance allowance (iaa5/iaa15) - imputation f  
 CARERS\_P\_I partner current invalid care all (iaa9/iaa19) - value (i  
 CARERS\_P\_T partner current invalid care all (iaa9/iaa19) - imputati  
 CARERS\_R\_I current invalid care all (iaa9/iaa19) - value (incl. imp  
 CARERS\_R\_T current invalid care all (iaa9/iaa19) - imputation flag  
 DLA\_P\_I partner current DLA (iaa6/iaa16) - value (incl. imputed  
 DLA\_P\_T partner current DLA (iaa6/iaa16) - imputation flag  
 DLA\_R\_I current DLA (iaa6/iaa16) - value (incl. imputed values)  
 DLA\_R\_T current DLA (iaa6/iaa16) - imputation flag  
 ICB\_P\_I partner current incapacity benefit (iaa1/iaa11) - value  
 ICB\_P\_T partner current incapacity benefit (iaa1/iaa11)- imputa  
 ICB\_R\_I current incapacity benefit (iaa1/iaa11) - value (incl. i  
 ICB\_R\_T current incapacity benefit (iaa1/iaa11) - imputation fla  
 INDINJ\_P\_I partner current ind inj benefit (iaa7/iaa17) - value (in  
 INDINJ\_P\_T partner current ind inj benefit (iaa7/iaa17) - imputatio  
 INDINJ\_R\_I current ind inj benefit (iaa7/iaa17) - value (incl. impu  
 INDINJ\_R\_T current ind inj benefit (iaa7/iaa17) - imputation flag  
 SDA\_P\_I partner current SDA (iaa3/iaa13) - value (incl. imputed  
 SDA\_P\_T partner current SDA (iaa3/iaa13) - imputation flag  
 SDA\_R\_I current SDA (iaa3/iaa13) - value (incl. imputed values)  
 SDA\_R\_T current SDA (iaa3/iaa13) - imputation flag  
 SPEN\_P\_I partner state pension income (iapam/iappam) - value (in  
 SPEN\_P\_T partner state pension income (iapam/iappam) - imputatio  
 SPEN\_R\_I state pension income (iapam/iappam) - value (incl. imput  
 SPEN\_R\_T state pension income (iapam/iappam) - imputation flag  
 WIDPEN\_P\_I partner current Widow's pension (iaa26/iaa35 - value (in  
 WIDPEN\_P\_T partner current Widow's pension (iaa26/iaa35 - imputatio  
 WIDPEN\_R\_I current Widow's pension (iaa26/iaa35) - value (incl. imp  
 WIDPEN\_R\_T current Widow's pension (iaa26/iaa35) - imputation flag

## Wave 7 Financial:

ATTALL\_P\_I partner current att allowance (iaa5/iaa15) - value (incl  
 ATTALL\_P\_T partner current att allowance (iaa5/iaa15) - imputation  
 ATTALL\_R\_I current attendance allowance (iaa5/iaa15) - value (incl.  
 ATTALL\_R\_T current attendance allowance (iaa5/iaa15) - imputation f  
 CARERS\_P\_I partner current invalid care all (iaa9/iaa19) - value (i  
 CARERS\_P\_T partner current invalid care all (iaa9/iaa19) - imputati  
 CARERS\_R\_I current invalid care all (iaa9/iaa19) - value (incl. imp  
 CARERS\_R\_T current invalid care all (iaa9/iaa19) - imputation flag  
 DLA\_P\_I partner current DLA (iaa6/iaa16) - value (incl. imputed  
 DLA\_P\_T partner current DLA (iaa6/iaa16) - imputation flag  
 DLA\_R\_I current DLA (iaa6/iaa16) - value (incl. imputed values)  
 DLA\_R\_T current DLA (iaa6/iaa16) - imputation flag  
 ICB\_P\_I partner current incapacity benefit (iaa1/iaa11) - value  
 ICB\_P\_T partner current incapacity benefit (iaa1/iaa11) - imputa  
 ICB\_R\_I current incapacity benefit (iaa1/iaa11) - value (incl. i  
 ICB\_R\_T current incapacity benefit (iaa1/iaa11) - imputation fla  
 INDINJ\_P\_I partner current ind inj benefit (iaa7/iaa17) - value (in  
 INDINJ\_P\_T partner current ind inj benefit (iaa7/iaa17) - imputatio  
 INDINJ\_R\_I current ind inj benefit (iaa7/iaa17) - value (incl. impu

INDINJ_R_T	current ind inj benefit (iaa7/iaa17) - imputation flag
SDA_P_I	partner current SDA (iaa3/iaa13) - value (incl. imputed
SDA_P_T	partner current SDA (iaa3/iaa13) - imputation flag
SDA_R_I	current SDA (iaa3/iaa13) - value (incl. imputed values)
SDA_R_T	current SDA (iaa3/iaa13) - imputation flag
SPEN_P_I	partner state pension income (iapam/iappam) - value (in
SPEN_P_T	partner state pension income (iapam/iappam) - imputatio
SPEN_R_I	state pension income (iapam/iappam) - value (incl. imput
SPEN_R_T	state pension income (iapam/iappam) - imputation flag
WIDPEN_P_I	partner current Widow's pension (iaa26/iaa35 - value (in
WIDPEN_P_T	partner current Widow's pension (iaa26/iaa35 - imputatio
WIDPEN_R_I	current Widow's pension (iaa26/iaa35) - value (incl. imp
WIDPEN_R_T	current Widow's pension (iaa26/iaa35) - imputation flag
Wave 8 Financial:	
ATTALL_P_I	partner current att allowance (iaa5/iaa16) - value (incl
ATTALL_P_T	partner current att allowance (iaa5/iaa16) - imputation
ATTALL_R_I	current attendance allowance (iaa5/iaa16) - value (incl.
ATTALL_R_T	current attendance allowance (iaa5/iaa16) - imputation f
CARERS_P_I	partner current invalid care all (iaa10/iaa21) - value (
CARERS_P_T	partner current invalid care all (iaa10/iaa21) - imputat
CARERS_R_I	current invalid care all (iaa10/iaa21) - value (incl. im
CARERS_R_T	current invalid care all (iaa10/iaa21) - imputation flag
DLA_P_I	partner current DLA (iaa7/iaa18) - value (incl. imputed
DLA_P_T	partner current DLA (iaa7/iaa18) - imputation flag
DLA_R_I	current DLA (iaa7/iaa18) - value (incl. imputed values)
DLA_R_T	current DLA (iaa7/iaa18) - imputation flag
ICB_P_I	partner current incapacity benefit (iaa1/iaa12) - value
ICB_P_T	partner current incapacity benefit (iaa1/iaa12) - imputa
ICB_R_I	current incapacity benefit (iaa1/iaa12) - value (incl. i
ICB_R_T	current incapacity benefit (iaa1/iaa12) - imputation fla
INDINJ_P_I	partner current ind inj benefit (iaa8/iaa19) - value (in
INDINJ_P_T	partner current ind inj benefit (iaa8/iaa19) - imputatio
INDINJ_R_I	current ind inj benefit (iaa8/iaa19) - value (incl. impu
INDINJ_R_T	current ind inj benefit (iaa8/iaa19) - imputation flag
SDA_P_I	partner current SDA (iaa3/iaa14) - value (incl. imputed
SDA_P_T	partner current SDA (iaa3/iaa14) - imputation flag
SDA_R_I	current SDA (iaa3/iaa14) - value (incl. imputed values)
SDA_R_T	current SDA (iaa3/iaa14) - imputation flag
SPEN_P_I	partner state pension income (iapam/iappam) - value (in
SPEN_P_T	partner state pension income (iapam/iappam) - imputatio
SPEN_R_I	state pension income (iapam/iappam) - value (incl. imput
SPEN_R_T	state pension income (iapam/iappam) - imputation flag
WIDPEN_P_I	partner current Widow's pension (iaa29/iaa39 - value (in
WIDPEN_P_T	partner current Widow's pension (iaa29/iaa39 - imputatio
WIDPEN_R_I	current Widow's pension (iaa29/iaa39) - value (incl. imp
WIDPEN_R_T	current Widow's pension (iaa29/iaa39) - imputation flag
Wave 9 Financial:	
ATTALL_P_I	partner current att allowance (iaa5/iaa16) - value (incl
ATTALL_P_T	partner current att allowance (iaa5/iaa16) - imputation
ATTALL_R_I	current attendance allowance (iaa5/iaa16) - value (incl.
ATTALL_R_T	current attendance allowance (iaa5/iaa16) - imputation f
CARERS_P_I	partner current invalid care all (iaa10/iaa21) - value (
CARERS_P_T	partner current invalid care all (iaa10/iaa21) - imputat
CARERS_R_I	current invalid care all (iaa10/iaa21) - value (incl. im
CARERS_R_T	current invalid care all (iaa10/iaa21) - imputation flag
DLA_P_I	partner current DLA (iaa7/iaa18) - value (incl. imputed
DLA_P_T	partner current DLA (iaa7/iaa18) - imputation flag
DLA_R_I	current DLA (iaa7/iaa18) - value (incl. imputed values)
DLA_R_T	current DLA (iaa7/iaa18) - imputation flag
ICB_P_I	partner current incapacity benefit (iaa1/iaa12) - value
ICB_P_T	partner current incapacity benefit (iaa1/iaa12) - imputa
ICB_R_I	current incapacity benefit (iaa1/iaa12) - value (incl. i
ICB_R_T	current incapacity benefit (iaa1/iaa12) - imputation fla

INDINJ_P_I	partner current ind inj benefit (iaa8/iaa19) - value (in
INDINJ_P_T	partner current ind inj benefit (iaa8/iaa19) - imputatio
INDINJ_R_I	current ind inj benefit (iaa8/iaa19) - value (incl. impu
INDINJ_R_T	current ind inj benefit (iaa8/iaa19) - imputation flag
SDA_P_I	partner current SDA (iaa3/iaa14) - value (incl. imputed
SDA_P_T	partner current SDA (iaa3/iaa14) - imputation flag
SDA_R_I	current SDA (iaa3/iaa14) - value (incl. imputed values)
SDA_R_T	current SDA (iaa3/iaa14) - imputation flag
SPEN_P_I	partner state pension income (iapam/iappam) - value (in
SPEN_P_T	partner state pension income (iapam/iappam) - imputatio
SPEN_R_I	state pension income (iapam/iappam) - value (incl. imput
SPEN_R_T	state pension income (iapam/iappam) - imputation flag
WIDPEN_P_I	partner current Widow's pension (iaa29/iaa39 - value (in
WIDPEN_P_T	partner current Widow's pension (iaa29/iaa39 - imputatio
WIDPEN_R_I	current Widow's pension (iaa29/iaa39) - value (incl. imp
WIDPEN_R_T	current Widow's pension (iaa29/iaa39) - imputation flag



<b>Other Government Transfer Income</b>
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Wave	Variable	Label	Type
1	R1IGXFR	r1igxfr:w1 income: r other gov transfers	Cont
2	R2IGXFR	r2igxfr:w2 income: r other gov transfers	Cont
3	R3IGXFR	r3igxfr:w3 income: r other gov transfers	Cont
4	R4IGXFR	r4igxfr:w4 income: r other gov transfers	Cont
5	R5IGXFR	r5igxfr:w5 income: r other gov transfers	Cont
6	R6IGXFR	r6igxfr:w6 income: r other gov transfers	Cont
7	R7IGXFR	r7igxfr:w7 income: r other gov transfers	Cont
8	R8IGXFR	r8igxfr:w8 income: r other gov transfers	Cont
9	R9IGXFR	r9igxfr:w9 income: r other gov transfers	Cont
1	S1IGXFR	s1igxfr:w1 income: s other gov transfers	Cont
2	S2IGXFR	s2igxfr:w2 income: s other gov transfers	Cont
3	S3IGXFR	s3igxfr:w3 income: s other gov transfers	Cont
4	S4IGXFR	s4igxfr:w4 income: s other gov transfers	Cont
5	S5IGXFR	s5igxfr:w5 income: s other gov transfers	Cont
6	S6IGXFR	s6igxfr:w6 income: s other gov transfers	Cont
7	S7IGXFR	s7igxfr:w7 income: s other gov transfers	Cont
8	S8IGXFR	s8igxfr:w8 income: s other gov transfers	Cont
9	S9IGXFR	s9igxfr:w9 income: s other gov transfers	Cont
1	R1IFGXFR	r1ifgxfr:w1 impflag: r other gov transfers	Categ
2	R2IFGXFR	r2ifgxfr:w2 impflag: r other gov transfers	Categ
3	R3IFGXFR	r3ifgxfr:w3 impflag: r other gov transfers	Categ
4	R4IFGXFR	r4ifgxfr:w4 impflag: r other gov transfers	Categ
5	R5IFGXFR	r5ifgxfr:w5 impflag: r other gov transfers	Categ
6	R6IFGXFR	r6ifgxfr:w6 impflag: r other gov transfers	Categ
7	R7IFGXFR	r7ifgxfr:w7 impflag: r other gov transfers	Categ
8	R8IFGXFR	r8ifgxfr:w8 impflag: r other gov transfers	Categ
9	R9IFGXFR	r9ifgxfr:w9 impflag: r other gov transfers	Categ
1	S1IFGXFR	s1ifgxfr:w1 impflag: s other gov transfers	Categ
2	S2IFGXFR	s2ifgxfr:w2 impflag: s other gov transfers	Categ
3	S3IFGXFR	s3ifgxfr:w3 impflag: s other gov transfers	Categ
4	S4IFGXFR	s4ifgxfr:w4 impflag: s other gov transfers	Categ
5	S5IFGXFR	s5ifgxfr:w5 impflag: s other gov transfers	Categ
6	S6IFGXFR	s6ifgxfr:w6 impflag: s other gov transfers	Categ
7	S7IFGXFR	s7ifgxfr:w7 impflag: s other gov transfers	Categ
8	S8IFGXFR	s8ifgxfr:w8 impflag: s other gov transfers	Categ
9	S9IFGXFR	s9ifgxfr:w9 impflag: s other gov transfers	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IGXFR	12001	242.95	1028.46	0.00	17069.00
R2IGXFR	9410	282.02	1135.48	0.00	16380.00
R3IGXFR	9667	309.58	1202.71	0.00	19656.00
R4IGXFR	10922	311.64	1560.35	0.00	96200.00
R5IGXFR	10153	288.52	1238.67	0.00	21593.00
R6IGXFR	10484	293.51	1286.68	0.00	24374.31
R7IGXFR	9568	230.99	1173.45	0.00	20189.39
R8IGXFR	8366	176.87	1011.35	0.00	19396.00
R9IGXFR	8658	211.23	1164.25	0.00	29458.00
S1IGXFR	11899	123.41	769.79	0.00	17069.00
S2IGXFR	9311	125.70	793.79	0.00	16380.00
S3IGXFR	9520	142.38	836.36	0.00	19656.00

S4IGXFR	10756	131.20	811.70	0.00	15600.00
S5IGXFR	10045	134.34	874.40	0.00	20020.00
S6IGXFR	10364	129.66	862.80	0.00	24374.31
S7IGXFR	9418	101.03	815.00	0.00	20189.39
S8IGXFR	8301	77.22	689.05	0.00	15964.00
S9IGXFR	8581	85.08	738.74	0.00	22204.00
R1IFGXFR	12099	5.56	1.48	1.00	9.00
R2IFGXFR	9432	5.47	1.54	1.00	9.00
R3IFGXFR	9766	5.51	1.58	1.00	10.00
R4IFGXFR	11050	5.56	1.52	1.00	10.00
R5IFGXFR	10274	5.60	1.47	1.00	10.00
R6IFGXFR	10601	5.61	1.45	1.00	10.00
R7IFGXFR	9666	5.70	1.30	1.00	10.00
R8IFGXFR	8445	5.75	1.20	1.00	10.00
R9IFGXFR	8736	5.74	1.23	1.00	10.00
S1IFGXFR	12099	5.82	1.12	1.00	9.00
S2IFGXFR	9432	5.81	1.10	1.00	9.00
S3IFGXFR	9766	5.83	1.23	1.00	10.00
S4IFGXFR	11050	5.86	1.17	1.00	10.00
S5IFGXFR	10274	5.87	1.11	1.00	10.00
S6IFGXFR	10601	5.88	1.10	1.00	10.00
S7IFGXFR	9666	5.94	1.00	1.00	10.00
S8IFGXFR	8445	5.95	0.87	1.00	10.00
S9IFGXFR	8736	5.93	0.91	1.00	10.00

### Categorical Variable Codes

Value-----	R1IFGXFR	R2IFGXFR	R3IFGXFR	R4IFGXFR	R5IFGXFR
1.continuous value	1094	970	993	1001	863
2.closed range bracket	28	31	36	52	29
3.open range bracket	2	1	1		3
5.no value/bracket	81	94	117	117	102
6.no income	10723	8270	8448	9686	9137
7.dk	74	44	72	66	19
9.non-responding spouse	97	22	48	60	49
10.institutional interview			51	68	72

Value-----	R6IFGXFR	R7IFGXFR	R8IFGXFR	R9IFGXFR
1.continuous value	868	603	445	490
2.closed range bracket	41	37	27	20
3.open range bracket		1		
5.no value/bracket	99	96	59	65
6.no income	9454	8813	7824	8069
7.dk	23	18	11	14
9.non-responding spouse	41	34	21	24
10.institutional interview	75	64	58	54

Value-----	S1IFGXFR	S2IFGXFR	S3IFGXFR	S4IFGXFR	S5IFGXFR
1.continuous value	546	419	485	477	400
2.closed range bracket	9	8	13	17	10
3.open range bracket	2	1			2
5.no value/bracket	39	47	37	35	35
6.no income	11256	8819	8941	10200	9592
7.dk	47	17	44	27	6
9.non-responding spouse	200	121	195	226	157
10.institutional interview			51	68	72

Value-----	S6IFGXFR	S7IFGXFR	S8IFGXFR	S9IFGXFR
1.continuous value	406	265	183	213
2.closed range bracket	10	17	6	4
5.no value/bracket	25	25	13	24
6.no income	9915	9104	8096	8333
7.dk	8	7	3	7
9.non-responding spouse	162	184	86	101

10.institutional interview |

75

64

58

54

## How Constructed

RwIGXFR represents individual earnings from all other government transfers, and is expressed as an annual equivalent in nominal pounds. RwIGXFR is defined as the sum of veteran benefits, welfare benefits, worker's compensation benefits, and unemployment benefits. Imputations are not obtained for respondents living in institutions starting in Wave 3. Missing responses are set to .m. RwIGXFR is set to plain missing (.) when respondents do not respond to the current wave.

Veteran benefits represent individual earnings from war pensions, and are expressed as an annual equivalent in nominal pounds. It includes information from the following derived variable:

war\_r\_i records the respondent's War Disablement Pension or War Widow's Pension, imputation values included. If the respondent declares to have received this type of benefit during the last year then they are asked: How much did you usually (or last time if he does not receive the benefit currently) receive from this benefit? It is expressed as a weekly equivalent in nominal pounds and multiplied by 52 to obtain the annual equivalent.

Welfare benefits represent individual earnings from income support pensions, and are expressed as an annual equivalent in nominal pounds. For Wave 1, the respondent's income from income support pensions is defined as:  $(is\_r\_i + wftc\_r\_i + gall\_r\_i + cb\_r\_i) * 52$ . For Waves 2 and forward, income from income support pensions is defined as:  $(is\_r\_i + wtc\_r\_i + gall\_r\_i + cb\_r\_i + pc\_r\_i + ctc\_r\_i) * 52$ . It includes information from the following derived variables:

is\_r\_i records the respondent's Income Support or Minimum Income Guarantee (Income Support for those over 60), imputation values included. On the 1st of October 2003, the Minimum Income Guarantee was replaced by a new, but similar benefit called the Pension Credit. Starting in Wave 2 the variable pci\_r\_i collects the amount of benefits received in terms of the new Pension Credit. If the respondent declares to have received this type of benefit during the last year then they are asked: How much did you usually (or last time if they do not receive the benefit currently) receive from this benefit? It is expressed as a weekly equivalent in nominal pounds and multiplied by 52 to obtain the annual equivalent.

wftc\_r\_i (wtc\_r\_i in Waves 2 and beyond) records the respondent's Working Family Tax Credit (a payment from the state for people who work on a low income), imputation values included. In March 2003 it was replaced by the Working Tax Credit which is recorded in Wave 2. If the respondent declares to have received this type of benefit during the last year then they are asked: How much did you usually (or last time if they do not receive the benefit currently) receive from this benefit? It is expressed as a weekly equivalent in nominal pounds and multiplied by 52 to obtain the annual equivalent.

gall\_r\_i records the respondent's Guardian's Allowance (a benefit for individuals looking after somebody else's child after one or both of the child's parents have died), imputation values included. If the respondent declares to have received this type of benefit during the last year then they are asked: How much did you usually (or last time if they do not receive the benefit currently) receive from this benefit? It is expressed as a weekly equivalent in nominal pounds and multiplied by 52 to obtain the annual equivalent.

cb\_r\_i records the respondent's Child Benefits (a tax-free benefit paid to most people with children), imputation values included. If the respondent declares to have received this type of benefit during the last year then they are asked: How much did you usually (or last time if they do not receive the benefit currently) receive from this benefit? It is expressed as a weekly equivalent in nominal pounds and multiplied by 52 to obtain the annual equivalent.

pc\_r\_i records the respondent's Current Pension Credit starting in Wave 2, imputation values included. If the respondent declares to have received this type of benefit during the last year then they are asked: How much did you usually (or last time if they do not receive the benefit currently) receive from this benefit? It is expressed as a weekly equivalent in nominal pounds and multiplied by 52 to obtain the annual equivalent.

ctc\_r\_i records the respondent's Child Tax Credit starting in Wave 2, imputation values included. If the respondent declares to have received this type of benefit during the last year then they are asked: How much did you usually (or last time if they do not receive the benefit currently) receive from this

benefit? It is expressed as a weekly equivalent in nominal pounds and multiplied by 52 to obtain the annual equivalent.

Worker's compensation benefits represent individual earnings from worker's compensation pensions, and are expressed as an annual equivalent in nominal pounds. It includes information from the following derived variable:

ssp\_r\_i records the respondent's Statutory Sick Pay, imputation values included. If the respondent declares to have received this type of benefit during the last year then they are asked: How much did you usually (or last time if they do not receive the benefit currently) receive from this benefit? It is expressed as a weekly equivalent in nominal pounds and multiplied by 52 to obtain the annual equivalent.

Unemployment benefits represent individual earnings from unemployment pensions, and are expressed as an annual equivalent in nominal pounds. It includes information from the following derived variable:

jsa\_r\_i records the respondent's Jobseekers Allowance (a benefit paid to unemployed people who are actively looking for work), imputation values included. If the respondent declares to have received this type of benefit during the last year then they are asked: How much did you usually (or last time if they do not receive the benefit currently) receive from this benefit? It is expressed as a weekly equivalent in nominal pounds and multiplied by 52 to obtain the annual equivalent.

RwIFGXFR is a flag variable based on the original flag variables, indicating response types for government transfers. The original ELSA flag variables for Wave 1 include: war\_r\_t, is\_r\_t, wtc\_r\_t, gall\_r\_t, cb\_r\_t, ssp\_r\_t, and jsa\_r\_t. The original ELSA flag variables for Wave 2 include: war\_r\_t, is\_r\_t, wtc\_r\_t, gall\_r\_t, cb\_r\_t, pc\_r\_t, ctc\_r\_t, ssp\_r\_t, and jsa\_r\_t. RwIFGXFR is set to plain missing (.) when respondents do not respond to the current wave.

SwIGXFR and SwIFGXFR represent the current wave's spouse's income from government transfers and flag indicating response type, respectively. They are taken from the spouse's values to RwIGXFR and RwIFGXFR. In addition to the special missing codes used by RwIGXFR and RwIFGXFR, SwIGXFR and SwIFGXFR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

War Disablement Pension and War Widow's Pension are asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts vary with the reference period of the received benefits.

Income Support or Minimum Income Guarantee is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts vary with the reference period of the received benefits. In addition, information about income received in terms of Pension Credit is asked in the second and third Waves. A check was introduced starting in Wave 2 in the case the respondent declares receiving income in terms of Pension Credit but they are under 60 years old. Separate follow up questions are also included in the second and third Waves to distinguish the amount of income received in terms of Minimum Income Guarantee and Pension Credit.

Income from Working Family Tax Credit is asked in Wave 1. This Tax Credit was replaced by the Working Tax Credit which was collected in Waves 2 and beyond. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts vary with the reference period of the received benefits.

Income from Guardian's Allowance is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts vary with the reference period of the received benefits.

Income from Child Benefits is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts

and entry points are the same in all waves. Bracket amounts vary with the reference period of the received benefits. In addition, the amount of income collected in terms of Child Tax Credit is asked starting in Wave 2. Also in this case, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked.

Income from Current Pension Credit is asked starting in Wave 2. In Wave 2 and forward, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts vary with the reference period of the received benefits.

Income from Child Tax Credit is asked starting in Wave 2. In Wave 2 and forward, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts vary with the reference period of the received benefits.

Income from Statutory Sick Pay is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts vary with the reference period of the received benefits.

Income from Jobseekers Allowance is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts vary with the reference period of the received benefits.

## Differences with the RAND HRS/Harmonized HRS

Family government transfer income in ELSA is expressed in nominal pounds, whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

Components included in Harmonized ELSA and RAND HRS are different for this variable, representing different institutional arrangements in each country. In any case, we kept the concepts included as comparable as possible.

## ELSA Variables Used

### Wave 1 Financial:

CB_P_I	partner current Child Benefit (iaa46/iaa60) - value (inc
CB_P_T	partner current Child Benefit (iaa46/iaa60) - imputation
CB_R_I	current Child Benefit (iaa46/iaa60) - value (incl. imput
CB_R_T	current Child Benefit (iaa46/iaa60) - imputation flag
DPTC_P_I	partner current DPTC (iaa9/iaa29) - value (incl. imputed
DPTC_P_T	partner current DPTC (iaa9/iaa29) - imputation flag
DPTC_R_I	current DPTC (iaa9/iaa29) - value (incl. imputed values)
DPTC_R_T	current DPTC (iaa9/iaa29) - imputation flag
GALL_P_I	partner current Guardian's All (iaa44/iaa58) - value (in
GALL_P_T	partner current Guardian's All (iaa44/iaa58) - imputatio
GALL_R_I	current Guardian's All (iaa44/iaa58) - value (incl. impu
GALL_R_T	current Guardian's All (iaa44/iaa58) - imputation flag
IS_P_I	prtnr current income support/MIG (iaa41/iaa55) - value (
IS_P_T	prtnr current income support/MIG (iaa41/iaa55) - imputat
IS_R_I	current income support/MIG (iaa41/iaa55) - value (incl.
IS_R_T	current income support/MIG (iaa41/iaa55) - imputation fl
JSA_P_I	partner current JSA (iaa43/iaa57) - value (incl. imputed
JSA_P_T	partner current JSA (iaa43/iaa57) - imputation flag
JSA_R_I	current JSA (iaa43/iaa57) - value (incl. imputed values)
JSA_R_T	current JSA (iaa43/iaa57) - imputation flag
SSP_P_I	partner current SSP (iaa3/iaa23) - value (incl. imputed
SSP_P_T	partner current SSP (iaa3/iaa23) - imputation flag
SSP_R_I	current SSP (iaa3/iaa23) - value (incl. imputed values)
SSP_R_T	current SSP (iaa3/iaa23) - imputation flag

WAR\_P\_I partner current war pensions (iaa7/iaa27) - value (incl.  
 WAR\_P\_T partner current war pensions (iaa7/iaa27) - imputation f  
 WAR\_R\_I current war pensions (iaa7/iaa27) - value (incl. imputed  
 WAR\_R\_T current war pensions (iaa7/iaa27) - imputation flag  
 WFTC\_P\_I partner current WFTC (iaa42/iaa56) - value (incl. impute  
 WFTC\_P\_T partner current WFTC (iaa42/iaa56) - imputation flag  
 WFTC\_R\_I current WFTC (iaa42/iaa56) - value (incl. imputed values  
 WFTC\_R\_T current WFTC (iaa42/iaa56) - imputation flag

## Wave 2 Financial:

CB\_P\_I partner current Child Benefit (iaa43/iaa61) - value (inc  
 CB\_P\_T partner current Child Benefit (iaa43/iaa61) - imputation  
 CB\_R\_I current Child Benefit (iaa43/iaa61) - value (incl. imput  
 CB\_R\_T current Child Benefit (iaa43/iaa61) - imputation flag  
 CTC\_P\_I partner current Child Tax Credit (iaa44/iaa62) - value (  
 CTC\_P\_T partner current Child Tax Credit (iaa44/iaa62) - imputat  
 CTC\_R\_I current Child Tax Credit (iaa44/iaa62) - value (incl. im  
 CTC\_R\_T current Child Tax Credit (iaa44/iaa62) - imputation flag  
 GALL\_P\_I partner current Guardian's All (iaa41/iaa59) - value (in  
 GALL\_P\_T partner current Guardian's All (iaa41/iaa59) - imputatio  
 GALL\_R\_I current Guardian's All (iaa41/iaa59) - value (incl. impu  
 GALL\_R\_T current Guardian's All (iaa41/iaa59) - imputation flag  
 IS\_P\_I prtnt current income support/MIG (iaa37/iaa55) - value (  
 IS\_P\_T prtnt current income support/MIG (iaa37/iaa55) - imputat  
 IS\_R\_I current income support/MIG (iaa37/iaa55) - value (incl.  
 IS\_R\_T current income support/MIG (iaa37/iaa55) - imputation fl  
 JSA\_P\_I partner current JSA (iaa40/iaa58) - value (incl. imputed  
 JSA\_P\_T partner current JSA (iaa40/iaa58) - imputation flag  
 JSA\_R\_I current JSA (iaa40/iaa58) - value (incl. imputed values)  
 JSA\_R\_T current JSA (iaa40/iaa58) - imputation flag  
 PC\_P\_I partner current pension credit (iaa38/iaa56) - value (i  
 PC\_P\_T partner current pension credit (iaa38/iaa56) - imputati  
 PC\_R\_I current pension credit (iaa38/iaa56) - value (incl. impu  
 PC\_R\_T current pension credit (iaa38/iaa56) - imputation flag  
 SSP\_P\_I partner current SSP (iaa3/iaa21) - value (incl. imputed  
 SSP\_P\_T partner current SSP (iaa3/iaa21) - imputation flag  
 SSP\_R\_I current SSP (iaa3/iaa21) - value (incl. imputed values)  
 SSP\_R\_T current SSP (iaa3/iaa21) - imputation flag  
 WAR\_P\_I partner current war pensions (iaa7/iaa25) - value (incl.  
 WAR\_P\_T partner current war pensions (iaa7/iaa25) - imputation f  
 WAR\_R\_I current war pensions (iaa7/iaa25) - value (incl. imputed  
 WAR\_R\_T current war pensions (iaa7/iaa25) - imputation flag  
 WTC\_P\_I partner current WTC (iaa39/iaa57) - value (incl. imputed  
 WTC\_P\_T partner current WTC (iaa39/iaa57) - imputation flag  
 WTC\_R\_I current WTC (iaa39/iaa57) - value (incl. imputed values)  
 WTC\_R\_T current WTC (iaa39/iaa57) - imputation flag

## Wave 3 Financial:

CB\_P\_I - value (incl. imputed values)  
 CB\_P\_T - imputation flag  
 CB\_R\_I - value (incl. imputed values)  
 CB\_R\_T - imputation flag  
 CTC\_P\_I - value (incl. imputed values)  
 CTC\_P\_T - imputation flag  
 CTC\_R\_I - value (incl. imputed values)  
 CTC\_R\_T - imputation flag  
 GALL\_P\_I - value (incl. imputed values)  
 GALL\_P\_T - imputation flag  
 GALL\_R\_I - value (incl. imputed values)  
 GALL\_R\_T - imputation flag  
 IS\_P\_I - value (incl. imputed values)  
 IS\_P\_T - imputation flag  
 IS\_R\_I - value (incl. imputed values)  
 IS\_R\_T - imputation flag  
 JSA\_P\_I - value (incl. imputed values)

JSA\_P\_T - imputation flag  
 JSA\_R\_I - value (incl. imputed values)  
 JSA\_R\_T - imputation flag  
 PC\_P\_I - value (incl. imputed values)  
 PC\_P\_T - imputation flag  
 PC\_R\_I - value (incl. imputed values)  
 PC\_R\_T - imputation flag  
 SSP\_P\_I - value (incl. imputed values)  
 SSP\_P\_T - imputation flag  
 SSP\_R\_I - value (incl. imputed values)  
 SSP\_R\_T - imputation flag  
 WAR\_P\_I - value (incl. imputed values)  
 WAR\_P\_T - imputation flag  
 WAR\_R\_I - value (incl. imputed values)  
 WAR\_R\_T - imputation flag  
 WTC\_P\_I - value (incl. imputed values)  
 WTC\_P\_T - imputation flag  
 WTC\_R\_I - value (incl. imputed values)  
 WTC\_R\_T - imputation flag

Wave 4 Financial:

CB\_P\_I - value (incl. imputed values)  
 CB\_P\_T - imputation flag  
 CB\_R\_I - value (incl. imputed values)  
 CB\_R\_T - imputation flag  
 CTC\_P\_I - value (incl. imputed values)  
 CTC\_P\_T - imputation flag  
 CTC\_R\_I - value (incl. imputed values)  
 CTC\_R\_T - imputation flag  
 GALL\_P\_I - value (incl. imputed values)  
 GALL\_P\_T - imputation flag  
 GALL\_R\_I - value (incl. imputed values)  
 GALL\_R\_T - imputation flag  
 IS\_P\_I - value (incl. imputed values)  
 IS\_P\_T - imputation flag  
 IS\_R\_I - value (incl. imputed values)  
 IS\_R\_T - imputation flag  
 JSA\_P\_I - value (incl. imputed values)  
 JSA\_P\_T - imputation flag  
 JSA\_R\_I - value (incl. imputed values)  
 JSA\_R\_T - imputation flag  
 PC\_P\_I - value (incl. imputed values)  
 PC\_P\_T - imputation flag  
 PC\_R\_I - value (incl. imputed values)  
 PC\_R\_T - imputation flag  
 SSP\_P\_I - value (incl. imputed values)  
 SSP\_P\_T - imputation flag  
 SSP\_R\_I - value (incl. imputed values)  
 SSP\_R\_T - imputation flag  
 WAR\_P\_I - value (incl. imputed values)  
 WAR\_P\_T - imputation flag  
 WAR\_R\_I - value (incl. imputed values)  
 WAR\_R\_T - imputation flag  
 WTC\_P\_I - value (incl. imputed values)  
 WTC\_P\_T - imputation flag  
 WTC\_R\_I - value (incl. imputed values)  
 WTC\_R\_T - imputation flag

Wave 5 Financial:

CB\_P\_I partner current Child Benefit (iaa27/iaa36) - value (inc  
 CB\_P\_T partner current Child Benefit (iaa27/iaa36) - imputation  
 CB\_R\_I current Child Benefit (iaa27/iaa36) - value (incl. imput  
 CB\_R\_T current Child Benefit (iaa27/iaa36) - imputation flag  
 CTC\_P\_I partner current Child Tax Credit (iaa28/iaa37) - value (  
 CTC\_P\_T partner current Child Tax Credit (iaa28/iaa37) - imputat

CTC\_R\_I current Child Tax Credit (iaa28/iaa37) - value (incl. im  
 CTC\_R\_T current Child Tax Credit (iaa28/iaa37) - imputation flag  
 GALL\_P\_I partner current Guardian's All (iaa25/iaa34) - value (in  
 GALL\_P\_T partner current Guardian's All (iaa25/iaa34) - imputatio  
 GALL\_R\_I current Guardian's All (iaa25/iaa34) - value (incl. impu  
 GALL\_R\_T current Guardian's All (iaa25/iaa34) - imputation flag  
 IS\_P\_I prtnt current income support/MIG (iaa21/iaa30) - value (  
 IS\_P\_T prtnt current income support/MIG (iaa21/iaa30) - imputat  
 IS\_R\_I current income support/MIG (iaa21/iaa30) - value (incl.  
 IS\_R\_T current income support/MIG (iaa21/iaa30) - imputation fl  
 JSA\_P\_I partner current JSA (iaa24/iaa33) - value (incl. imputed  
 JSA\_P\_T partner current JSA (iaa24/iaa33) - imputation flag  
 JSA\_R\_I current JSA (iaa24/iaa33) - value (incl. imputed values)  
 JSA\_R\_T current JSA (iaa24/iaa33) - imputation flag  
 PC\_P\_I partner current pension credit (iaa22/iaa31) - value (i  
 PC\_P\_T partner current pension credit (iaa22/iaa31) - imputati  
 PC\_R\_I current pension credit (iaa22/iaa31) - value (incl. impu  
 PC\_R\_T current pension credit (iaa22/iaa31) - imputation flag  
 SSP\_P\_I partner current SSP (iaa4/iaa14) - value (incl. imputed  
 SSP\_P\_T partner current SSP (iaa4/iaa14) - imputation flag  
 SSP\_R\_I current SSP (iaa4/iaa14) - value (incl. imputed values)  
 SSP\_R\_T current SSP (iaa4/iaa14) - imputation flag  
 WAR\_P\_I partner current war pensions (iaa8/iaa18) - value (incl.  
 WAR\_P\_T partner current war pensions (iaa8/iaa18) - imputation f  
 WAR\_R\_I current war pensions (iaa8/iaa18) - value (incl. imputed  
 WAR\_R\_T current war pensions (iaa8/iaa18) - imputation flag  
 WTC\_P\_I partner current WTC (iaa23/iaa32) - value (incl. imputed  
 WTC\_P\_T partner current WTC (iaa23/iaa32) - imputation flag  
 WTC\_R\_I current WTC (iaa23/iaa32) - value (incl. imputed values)  
 WTC\_R\_T current WTC (iaa23/iaa32) - imputation flag

## Wave 6 Financial:

CB\_P\_I partner current Child Benefit (iaa27/iaa36) - value (inc  
 CB\_P\_T partner current Child Benefit (iaa27/iaa36) - imputation  
 CB\_R\_I current Child Benefit (iaa27/iaa36) - value (incl. imput  
 CB\_R\_T current Child Benefit (iaa27/iaa36) - imputation flag  
 CTC\_P\_I partner current Child Tax Credit (iaa28/iaa37) - value (  
 CTC\_P\_T partner current Child Tax Credit (iaa28/iaa37) - imputat  
 CTC\_R\_I current Child Tax Credit (iaa28/iaa37) - value (incl. im  
 CTC\_R\_T current Child Tax Credit (iaa28/iaa37) - imputation flag  
 GALL\_P\_I partner current Guardian's All (iaa25/iaa34) - value (in  
 GALL\_P\_T partner current Guardian's All (iaa25/iaa34) - imputatio  
 GALL\_R\_I current Guardian's All (iaa25/iaa34) - value (incl. impu  
 GALL\_R\_T current Guardian's All (iaa25/iaa34) - imputation flag  
 IS\_P\_I prtnt current income support/MIG (iaa21/iaa30) - value (  
 IS\_P\_T prtnt current income support/MIG (iaa21/iaa30) - imputat  
 IS\_R\_I current income support/MIG (iaa21/iaa30) - value (incl.  
 IS\_R\_T current income support/MIG (iaa21/iaa30) - imputation fl  
 JSA\_P\_I partner current JSA (iaa24/iaa33) - value (incl. imputed  
 JSA\_P\_T partner current JSA (iaa24/iaa33) - imputation flag  
 JSA\_R\_I current JSA (iaa24/iaa33) - value (incl. imputed values)  
 JSA\_R\_T current JSA (iaa24/iaa33) - imputation flag  
 PC\_P\_I partner current pension credit (iaa22/iaa31) - value (i  
 PC\_P\_T partner current pension credit (iaa22/iaa31) - imputati  
 PC\_R\_I current pension credit (iaa22/iaa31) - value (incl. impu  
 PC\_R\_T current pension credit (iaa22/iaa31) - imputation flag  
 SSP\_P\_I partner current SSP (iaa4/iaa14) - value (incl. imputed  
 SSP\_P\_T partner current SSP (iaa4/iaa14) - imputation flag  
 SSP\_R\_I current SSP (iaa4/iaa14) - value (incl. imputed values)  
 SSP\_R\_T current SSP (iaa4/iaa14) - imputation flag  
 WAR\_P\_I partner current war pensions (iaa8/iaa18) - value (incl.  
 WAR\_P\_T partner current war pensions (iaa8/iaa18) - imputation f  
 WAR\_R\_I current war pensions (iaa8/iaa18) - value (incl. imputed  
 WAR\_R\_T current war pensions (iaa8/iaa18) - imputation flag



WTC_P_I	partner current WTC (iaa23/iaa32) - value (incl. imputed
WTC_P_T	partner current WTC (iaa23/iaa32) - imputation flag
WTC_R_I	current WTC (iaa23/iaa32) - value (incl. imputed values)
WTC_R_T	current WTC (iaa23/iaa32) - imputation flag
Wave 7 Financial:	
CB_P_I	partner current Child Benefit (iaa27/iaa36) - value (inc
CB_P_T	partner current Child Benefit (iaa27/iaa36) - imputation
CB_R_I	current Child Benefit (iaa27/iaa36) - value (incl. imput
CB_R_T	current Child Benefit (iaa27/iaa36) - imputation flag
CTC_P_I	partner current Child Tax Credit (iaa28/iaa37) - value (
CTC_P_T	partner current Child Tax Credit (iaa28/iaa37) - imputat
CTC_R_I	current Child Tax Credit (iaa28/iaa37) - value (incl. im
CTC_R_T	current Child Tax Credit (iaa28/iaa37) - imputation flag
GALL_P_I	partner current Guardian's All (iaa25/iaa34) - value (in
GALL_P_T	partner current Guardian's All (iaa25/iaa34) - imputatio
GALL_R_I	current Guardian's All (iaa25/iaa34) - value (incl. impu
GALL_R_T	current Guardian's All (iaa25/iaa34) - imputation flag
IS_P_I	prtnr current income support/MIG (iaa21/iaa30) - value (
IS_P_T	prtnr current income support/MIG (iaa21/iaa30) - imputat
IS_R_I	current income support/MIG (iaa23/iaa33) - value (incl.
IS_R_T	current income support/MIG (iaa23/iaa33) - imputation fl
JSA_P_I	partner current JSA (iaa24/iaa33) - value (incl. imputed
JSA_P_T	partner current JSA (iaa24/iaa33) - imputation flag
JSA_R_I	current JSA (iaa24/iaa33) - value (incl. imputed values)
JSA_R_T	current JSA (iaa24/iaa33) - imputation flag
PC_P_I	partner current pension credit (iaa22/iaa31) - value (i
PC_P_T	partner current pension credit (iaa22/iaa31) - imputati
PC_R_I	current pension credit (iaa22/iaa31) - value (incl. impu
PC_R_T	current pension credit (iaa22/iaa31) - imputation flag
SSP_P_I	partner current SSP (iaa4/iaa14) - value (incl. imputed
SSP_P_T	partner current SSP (iaa4/iaa14) - imputation flag
SSP_R_I	current SSP (iaa4/iaa14) - value (incl. imputed values)
SSP_R_T	current SSP (iaa4/iaa14) - imputation flag
WAR_P_I	partner current war pensions (iaa8/iaa18) - value (incl.
WAR_P_T	partner current war pensions (iaa8/iaa18) - imputation f
WAR_R_I	current war pensions (iaa8/iaa18) - value (incl. imputed
WAR_R_T	current war pensions (iaa8/iaa18) - imputation flag
WTC_P_I	partner current WTC (iaa23/iaa32) - value (incl. imputed
WTC_P_T	partner current WTC (iaa23/iaa32) - imputation flag
WTC_R_I	current WTC (iaa23/iaa32) - value (incl. imputed values)
WTC_R_T	current WTC (iaa23/iaa32) - imputation flag
Wave 8 Financial:	
CB_P_I	partner current Child Benefit (iaa30/iaa40) - value (inc
CB_P_T	partner current Child Benefit (iaa30/iaa40) - imputation
CB_R_I	current Child Benefit (iaa30/iaa40) - value (incl. imput
CB_R_T	current Child Benefit (iaa30/iaa40) - imputation flag
CTC_P_I	partner current Child Tax Credit (iaa31/iaa41) - value (
CTC_P_T	partner current Child Tax Credit (iaa31/iaa41) - imputat
CTC_R_I	current Child Tax Credit (iaa28/iaa37) - value (incl. im
CTC_R_T	current Child Tax Credit (iaa28/iaa37) - imputation flag
GALL_P_I	partner current Guardian's All (iaa28/iaa38) - value (in
GALL_P_T	partner current Guardian's All (iaa28/iaa38) - imputatio
GALL_R_I	current Guardian's All (iaa28/iaa38) - value (incl. impu
GALL_R_T	current Guardian's All (iaa28/iaa38) - imputation flag
IS_P_I	prtnr current income support/MIG (iaa24/iaa34) - value (
IS_P_T	prtnr current income support/MIG (iaa24/iaa34) - imputat
IS_R_I	current income support/MIG (iaa23/iaa33) - value (incl.
IS_R_T	current income support/MIG (iaa23/iaa33) - imputation fl
JSA_P_I	partner current JSA (iaa27/iaa37) - value (incl. imputed
JSA_P_T	partner current JSA (iaa27/iaa37) - imputation flag
JSA_R_I	current JSA (iaa27/iaa37) - value (incl. imputed values)
JSA_R_T	current JSA (iaa27/iaa37) - imputation flag
PC_P_I	partner current pension credit (iaa25/iaa35) - value (i

PC_P_T	partner current pension credit (iaa25/iaa35) - imputati
PC_R_I	current pension credit (iaa25/iaa35) - value (incl. impu
PC_R_T	current pension credit (iaa25/iaa35) - imputation flag
SSP_P_I	partner current SSP (iaa4/iaa15) - value (incl. imputed
SSP_P_T	partner current SSP (iaa4/iaa15) - imputation flag
SSP_R_I	current SSP (iaa4/iaa15) - value (incl. imputed values)
SSP_R_T	current SSP (iaa4/iaa15) - imputation flag
WAR_P_I	partner current war pensions (iaa9/iaa20) - value (incl.
WAR_P_T	partner current war pensions (iaa9/iaa20) - imputation f
WAR_R_I	current war pensions (iaa9/iaa20) - value (incl. imputed
WAR_R_T	current war pensions (iaa9/iaa20) - imputation flag
WTC_P_I	partner current WTC (iaa26/iaa36) - value (incl. imputed
WTC_P_T	partner current WTC (iaa26/iaa36) - imputation flag
WTC_R_I	current WTC (iaa26/iaa36) - value (incl. imputed values)
WTC_R_T	current WTC (iaa26/iaa36) - imputation flag
Wave 9 Financial:	
CB_P_I	partner current Child Benefit (iaa30/iaa40) - value (inc
CB_P_T	partner current Child Benefit (iaa30/iaa40) - imputation
CB_R_I	current Child Benefit (iaa30/iaa40) - value (incl. imput
CB_R_T	current Child Benefit (iaa30/iaa40) - imputation flag
CTC_P_I	partner current Child Tax Credit (iaa31/iaa41) - value (
CTC_P_T	partner current Child Tax Credit (iaa31/iaa41) - imputat
CTC_R_I	current Child Tax Credit (iaa28/iaa37) - value (incl. im
CTC_R_T	current Child Tax Credit (iaa28/iaa37) - imputation flag
GALL_P_I	partner current Guardian's All (iaa28/iaa38) -value (in
GALL_P_T	partner current Guardian's All (iaa28/iaa38) - imputatio
GALL_R_I	current Guardian's All (iaa28/iaa38) - value (incl. impu
GALL_R_T	current Guardian's All (iaa28/iaa38) - imputation flag
IS_P_I	prtnr current income support/MIG (iaa24/iaa34) - value (
IS_P_T	prtnr current income support/MIG (iaa24/iaa34) - imputat
IS_R_I	current income support/MIG (iaa23/iaa33) - value (incl.
IS_R_T	current income support/MIG (iaa23/iaa33) - imputation fl
JSA_P_I	partner current JSA (iaa27/iaa37) - value (incl. imputed
JSA_P_T	partner current JSA (iaa27/iaa37) - imputation flag
JSA_R_I	current JSA (iaa27/iaa37) - value (incl. imputed values)
JSA_R_T	current JSA (iaa27/iaa37) - imputation flag
PC_P_I	partner current pension credit (iaa25/iaa35) - value (i
PC_P_T	partner current pension credit (iaa25/iaa35) - imputati
PC_R_I	current pension credit (iaa25/iaa35) - value (incl. impu
PC_R_T	current pension credit (iaa25/iaa35) - imputation flag
SSP_P_I	partner current SSP (iaa4/iaa15) - value (incl. imputed
SSP_P_T	partner current SSP (iaa4/iaa15) - imputation flag
SSP_R_I	current SSP (iaa4/iaa15) - value (incl. imputed values)
SSP_R_T	current SSP (iaa4/iaa15) - imputation flag
WAR_P_I	partner current war pensions (iaa9/iaa20) - value (incl.
WAR_P_T	partner current war pensions (iaa9/iaa20) - imputation f
WAR_R_I	current war pensions (iaa9/iaa20) - value (incl. imputed
WAR_R_T	current war pensions (iaa9/iaa20) - imputation flag
WTC_P_I	partner current WTC (iaa26/iaa36) - value (incl. imputed
WTC_P_T	partner current WTC (iaa26/iaa36) - imputation flag
WTC_R_I	current WTC (iaa26/iaa36) - value (incl. imputed values)
WTC_R_T	current WTC (iaa26/iaa36) - imputation flag

<b>Other Regular Payments</b>
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Wave	Variable	Label	Type
1	H1IOTHR	h1iothr:w1 income: other income	Cont
2	H2IOTHR	h2iothr:w2 income: other income	Cont
3	H3IOTHR	h3iothr:w3 income: other income	Cont
4	H4IOTHR	h4iothr:w4 income: other income	Cont
5	H5IOTHR	h5iothr:w5 income: other income	Cont
6	H6IOTHR	h6iothr:w6 income: other income	Cont
7	H7IOTHR	h7iothr:w7 income: other income	Cont
8	H8IOTHR	h8iothr:w8 income: other income	Cont
9	H9IOTHR	h9iothr:w9 income: other income	Cont
1	H1IFOTHR	h1ifothr:w1 impflag: other income	Categ
2	H2IFOTHR	h2ifothr:w2 impflag: other income	Categ
3	H3IFOTHR	h3ifothr:w3 impflag: other income	Categ
4	H4IFOTHR	h4ifothr:w4 impflag: other income	Categ
5	H5IFOTHR	h5ifothr:w5 impflag: other income	Categ
6	H6IFOTHR	h6ifothr:w6 impflag: other income	Categ
7	H7IFOTHR	h7ifothr:w7 impflag: other income	Categ
8	H8IFOTHR	h8ifothr:w8 impflag: other income	Categ
9	H9IFOTHR	h9ifothr:w9 impflag: other income	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1IOTHR	11919	51.42	788.04	0.00	36027.71
H2IOTHR	9338	31.40	415.76	0.00	13210.16
H3IOTHR	9551	48.02	674.07	0.00	29796.00
H4IOTHR	10788	57.10	874.12	0.00	33644.00
H5IOTHR	10072	43.05	587.39	0.00	36027.71
H6IOTHR	10401	77.81	1542.44	0.00	93672.06
H7IOTHR	9457	79.52	996.78	0.00	31200.00
H8IOTHR	8331	60.91	660.73	0.00	18013.86
H9IOTHR	8601	90.13	1089.45	0.00	35835.57
H1IFOTHR	12099	5.99	0.69	1.00	9.00
H2IFOTHR	9432	5.99	0.62	1.00	9.00
H3IFOTHR	9766	6.03	0.75	1.00	10.00
H4IFOTHR	11050	6.04	0.75	1.00	10.00
H5IFOTHR	10274	6.02	0.74	1.00	10.00
H6IFOTHR	10601	6.01	0.76	1.00	10.00
H7IFOTHR	9666	6.02	0.79	1.00	10.00
H8IFOTHR	8445	5.99	0.73	1.00	10.00
H9IFOTHR	8736	5.98	0.79	1.00	10.00

### Categorical Variable Codes

Value-----	H1IFOTHR	H2IFOTHR	H3IFOTHR	H4IFOTHR	H5IFOTHR
1.continuous value	147	99	113	121	121
2.closed range bracket	4				2
3.open range bracket	3				
5.no value/bracket	4	4	13	7	4
6.no income	11660	9168	9323	10574	9879
7.dk	73	39	69	53	37
9.non-responding spouse	208	122	197	227	159
10.institutional interview			51	68	72
Value-----	H6IFOTHR	H7IFOTHR	H8IFOTHR	H9IFOTHR	

1.continuous value	134	133	112	147
2.closed range bracket	1	1	1	2
5.no value/bracket	8	9	2	3
6.no income	10183	9227	8156	8406
7.dk	36	47	30	21
9.non-responding spouse	164	185	86	103
10.institutional interview	75	64	58	54

## How Constructed

HwIOTHR represents household earnings from other regular payments. Reasons for other regular payments include: financial support for children, household bills/expenses, spending money/allowance, loan repayment, maintenance or alimony, royalties, or other. HwIOTHR is expressed as an annual equivalent in nominal pounds and includes information from the following derived variable:

othpay\_r\_i and othpay\_p\_i record the respondent's and partner's regular payments, imputation values included. If the respondent declares to have received this type of payment during the last year then they are asked: What period did your usual payments cover? And about how much did you usually receive? It is expressed as a weekly equivalent in nominal pounds.

HwIOTHR is defined as:  $(othpay\_r\_i + othpay\_p\_i) * 52$ . For anonymity purposes, households who indicated an income from other regular payments greater than 100,000 pounds had responses top-coded as special missing .t. Imputations are not obtained for respondents living in institutions starting in Wave 3. Missing responses are coded as .m. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed. HwIOTHR is set to plain missing (.) when respondents do not respond to the current wave.

HwIFOTHR is a flag variable based on the original flag variables (othpay\_r\_t, othpay\_p\_t), indicating response type for regular payments. HwIFOTHR is set to plain missing (.) when respondents do not respond to the current wave.

## Cross Wave Differences in ELSA

Other income is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves. Bracket amounts vary with the reference period of the received payment. Waves 1, 2, 5, and onward include a check for reporting receiving more than £4,000 per week, more than £8,000 every two weeks, more than £16,000 per month, or more than £200,000 per year.

## Differences with the RAND HRS/Harmonized HRS

Income from other regular payments in ELSA is expressed in nominal pounds, whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data.

## ELSA Variables Used

### Wave 1 Financial:

OTHPAY_P_I	prtnr total oth reg payments (iaregm/iapam2) - value (in
OTHPAY_P_T	prtnr total oth reg payments (iaregm/iapam2) - imputatio
OTHPAY_R_I	total other regular payments (iaregm/iapam2) - value (in
OTHPAY_R_T	total other regular payments (iaregm/iapam2) - imputatio

### Wave 2 Financial:

OTHPAY_P_I	prtnr total oth reg payments (iaregm/iapam2) - value (in
OTHPAY_P_T	prtnr total oth reg payments (iaregm/iapam2) - imputatio
OTHPAY_R_I	total other regular payments (iaregm/iapam2) - value (in
OTHPAY_R_T	total other regular payments (iaregm/iapam2) - imputatio

### Wave 3 Financial:

OTHPAY_P_I	prtnr total oth reg payments (iaregm/iapam2) - value (in
OTHPAY_P_T	prtnr total oth reg payments (iaregm/iapam2) - imputatio
OTHPAY_R_I	total other regular payments (iaregm/iapam2) - value (in
OTHPAY_R_T	total other regular payments (iaregm/iapam2) - imputatio

## Wave 4 Financial:

OTHPAY\_P\_I prtnr total oth reg payments (iaregm/iapam2) - value (in  
 OTHPAY\_P\_T prtnr total oth reg payments (iaregm/iapam2) - imputatio  
 OTHPAY\_R\_I total other regular payments (iaregm/iapam2) - value (in  
 OTHPAY\_R\_T total other regular payments (iaregm/iapam2) - imputatio

## Wave 5 Financial:

OTHPAY\_P\_I prtnr total oth reg payments (iaregm/iapam2) - value (in  
 OTHPAY\_P\_T prtnr total oth reg payments (iaregm/iapam2) - imputatio  
 OTHPAY\_R\_I total other regular payments (iaregm/iapam2) - value (in  
 OTHPAY\_R\_T total other regular payments (iaregm/iapam2) - imputatio

## Wave 6 Financial:

OTHPAY\_P\_I prtnr total oth reg payments (iaregm/iapam2) - value (in  
 OTHPAY\_P\_T prtnr total oth reg payments (iaregm/iapam2) - imputatio  
 OTHPAY\_R\_I total other regular payments (iaregm/iapam2) - value (in  
 OTHPAY\_R\_T total other regular payments (iaregm/iapam2) - imputatio

## Wave 7 Financial:

OTHPAY\_P\_I prtnr total oth reg payments (iaregm/iapam2) - value (in  
 OTHPAY\_P\_T prtnr total oth reg payments (iaregm/iapam2) - imputatio  
 OTHPAY\_R\_I total other regular payments (iaregm/iapam2) - value (in  
 OTHPAY\_R\_T total other regular payments (iaregm/iapam2) - imputatio

## Wave 8 Financial:

OTHPAY\_P\_I prtnr total oth reg payments (iaregm/iapam2) - value (in  
 OTHPAY\_P\_T prtnr total oth reg payments (iaregm/iapam2) - imputatio  
 OTHPAY\_R\_I total other regular payments (iaregm/iapam2) - value (in  
 OTHPAY\_R\_T total other regular payments (iaregm/iapam2) -imputatio

## Wave 9 Financial:

OTHPAY\_P\_I prtnr total oth reg payments (iaregm/iapam2) - value (in  
 OTHPAY\_P\_T prtnr total oth reg payments (iaregm/iapam2) - imputatio  
 OTHPAY\_R\_I total other regular payments (iaregm/iapam2) - value (in  
 OTHPAY\_R\_T total other regular payments (iaregm/iapam2) - imputatio

<b>Total Family Income</b>
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Wave	Variable	Label	Type
1	H1ITOT	h1itot:w1 income: total couple level income	Cont
2	H2ITOT	h2itot:w2 income: total couple level income	Cont
3	H3ITOT	h3itot:w3 income: total couple level income	Cont
4	H4ITOT	h4itot:w4 income: total couple level income	Cont
5	H5ITOT	h5itot:w5 income: total couple level income	Cont
6	H6ITOT	h6itot:w6 income: total couple level income	Cont
7	H7ITOT	h7itot:w7 income: total couple level income	Cont
8	H8ITOT	h8itot:w8 income: total couple level income	Cont
9	H9ITOT	h9itot:w9 income: total couple level income	Cont
1	H1IFTOT	h1iftot:w1 impflag: total couple level income	Categ
2	H2IFTOT	h2iftot:w2 impflag: total couple level income	Categ
3	H3IFTOT	h3iftot:w3 impflag: total couple level income	Categ
4	H4IFTOT	h4iftot:w4 impflag: total couple level income	Categ
5	H5IFTOT	h5iftot:w5 impflag: total couple level income	Categ
6	H6IFTOT	h6iftot:w6 impflag: total couple level income	Categ
7	H7IFTOT	h7iftot:w7 impflag: total couple level income	Categ
8	H8IFTOT	h8iftot:w8 impflag: total couple level income	Categ
9	H9IFTOT	h9iftot:w9 impflag: total couple level income	Categ
1	H1IFTTOT	h1ifttot:w1 taxflag: total couple level income	Categ
2	H2IFTTOT	h2ifttot:w2 taxflag: total couple level income	Categ
3	H3IFTTOT	h3ifttot:w3 taxflag: total couple level income	Categ
4	H4IFTTOT	h4ifttot:w4 taxflag: total couple level income	Categ
5	H5IFTTOT	h5ifttot:w5 taxflag: total couple level income	Categ
6	H6IFTTOT	h6ifttot:w6 taxflag: total couple level income	Categ
7	H7IFTTOT	h7ifttot:w7 taxflag: total couple level income	Categ
8	H8IFTTOT	h8ifttot:w8 taxflag: total couple level income	Categ
9	H9IFTTOT	h9ifttot:w9 taxflag: total couple level income	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ITOT	11886	18937.06	20124.68	-44999.18	879210.81
H2ITOT	9310	20747.08	19974.62	-643.00	502850.53
H3ITOT	9518	23147.11	20747.40	-10000.00	434922.91
H4ITOT	10755	25081.32	20896.40	-81173.53	292863.88
H5ITOT	10043	26000.11	24645.12	-3142.24	515831.81
H6ITOT	10361	28749.00	33493.48	-38250.00	838983.06
H7ITOT	9417	28827.72	22312.51	-20475.00	356055.44
H8ITOT	8301	29544.37	24299.92	-10151.85	340210.00
H9ITOT	8574	33222.75	31672.51	-2468.85	511381.28
H1IFTOT	12099	2.54	2.08	1.00	9.00
H2IFTOT	9432	2.41	2.00	1.00	9.00
H3IFTOT	9766	2.55	2.19	1.00	10.00
H4IFTOT	11050	2.59	2.19	1.00	10.00
H5IFTOT	10274	2.59	2.26	1.00	10.00
H6IFTOT	10601	2.44	2.15	1.00	10.00
H7IFTOT	9666	2.48	2.19	1.00	10.00
H8IFTOT	8445	2.35	2.12	1.00	10.00
H9IFTOT	8736	2.46	2.16	1.00	10.00
H1IFTTOT	11995	2.11	0.31	2.00	3.00
H2IFTTOT	9332	2.10	0.30	2.00	3.00
H3IFTTOT	9566	2.12	0.32	2.00	3.00

H4IFTTOT	10816	2.10	0.30	2.00	3.00
H5IFTTOT	10094	2.12	0.33	2.00	3.00
H6IFTTOT	10405	2.13	0.33	2.00	3.00
H7IFTTOT	9452	2.12	0.33	2.00	3.00
H8IFTTOT	8322	2.11	0.32	2.00	3.00
H9IFTTOT	8605	2.12	0.33	2.00	3.00

### Categorical Variable Codes

Value-----	H1IFTOT	H2IFTOT	H3IFTOT	H4IFTOT	H5IFTOT
1.continuous value	5791	4903	5161	5686	5539
2.closed range bracket	2813	2003	1717	1999	1700
3.open range bracket	209	183	160	216	144
5.no value/bracket	2327	1692	1885	2222	1775
6.no income	17	9	10	24	15
7.dk	734	520	585	608	870
9.non-responding spouse	208	122	197	227	159
10.institutional interview			51	68	72

Value-----	H6IFTOT	H7IFTOT	H8IFTOT	H9IFTOT
1.continuous value	6144	5529	5103	5083
2.closed range bracket	1427	1327	1124	1108
3.open range bracket	206	163	154	211
5.no value/bracket	2016	1842	1357	1547
6.no income	39	65	51	78
7.dk	530	491	512	552
9.non-responding spouse	164	185	86	103
10.institutional interview	75	64	58	54

Value-----	H1IFTTOT	H2IFTTOT	H3IFTTOT	H4IFTTOT	H5IFTTOT
.u:Unmar			38	42	43
.v:SP NR	104	100	162	192	137
2.After tax	10672	8378	8447	9732	8881
3.Mixed before & after tax	1323	954	1119	1084	1213

Value-----	H6IFTTOT	H7IFTTOT	H8IFTTOT	H9IFTTOT
.u:Unmar	52	40	44	34
.v:SP NR	144	174	79	97
2.After tax	9095	8296	7365	7533
3.Mixed before & after tax	1310	1156	957	1072

### How Constructed

HwITOT is derived at the benefit unit level. In ELSA, this is a couple or a single person with any dependent children they may have. Therefore, the information reported is combined for those couples keeping finances separately in order to obtain a benefit unit definition. Imputations were not obtained for: 1) couples where neither member answers the IA module; 2) couples keeping separate finances where one member does not answer the IA module; 3) singles who do not answer the IA module; 4) respondents living in institutions starting in Wave 3. The Total Family Income takes value "missing", .m, in these cases. Monetary income flows are expressed as annual amounts in nominal pounds and include information of the following generated variables:

Individual earnings and spouse earnings, as described above.

Family capital income, as described above.

Individual income from employer or private pension and annuity and spouse income from employer or private pension and annuity, as described above.

Individual income from public pensions and spouse income from public pensions, as described above.

Individual other government transfers and spouse other government transfers, as described above.

Individual other regular payments and spouse other regular payments, as described above.

Total Family Income is given by the sum of all these items, that is: RwiTEARN + SwiTEARN + HwiCAP + RwiTPENA + SwiTPENA + RwiPUBPEN + SwiPUBPEN + RwiGXFR + SwiGXFR + RwiREGPAY + SwiREGPAY. For anonymity purposes, respondents who indicated a total family income greater than 900,000 pounds had responses top-coded as special missing .t. Missing responses are set to .m. HwiTOT is set to plain missing (.) for respondents who did not respond to the current wave.

HwiFTOT is a flag variable based on the original flag variables (flag variables previously constructed), indicating response types for Total Family Income. HwiFTOT is set to plain missing (.) for respondents who did not respond to the current wave.

HwiFTTOT is a flag variable indicating the tax status of the components of HwiTOT. HwiFTTOT is set to 1 if all variables comprising HwiTOT are before tax and other deductions. HwiFTTOT is set to 2 if all variables comprising HwiTOT are after tax and other deductions. HwiFTTOT is set to 3 if before tax variables and after tax variables are combined to create HwiTOT. HwiFTTOT is set to plain missing (.) for respondents who did not respond to the current wave.

## Cross Wave Differences in ELSA

Individual earnings and spouse earnings, family capital income, individual income from employer or private pension and annuity and spouse income from employer or private pension and annuity, individual income from public pensions and spouse income from public pensions, individual government transfers and spouse government transfers, and individual regular payments and spouse regular payments are constructed as defined previously.

## Differences with the RAND HRS/Harmonized HRS

Total family income in ELSA is expressed in nominal pounds, whereas the equivalent measure in RAND HRS is in nominal dollars. Therefore, conversion into a common currency is necessary before comparison of these data. Components included in Harmonized ELSA and RAND HRS are different for this variable, as described above, representing different institutional arrangements in each country. In any case, we kept the concepts included as comparable as possible.

## ELSA Variables Used

### Wave 1 Financial:

ATTALL_P_I	partner current att allowance (iaa4/iaa24) - value (incl
ATTALL_P_T	partner current att allowance (iaa4/iaa24) - imputation
ATTALL_R_I	current attendance allowance (iaa4/iaa24) - value (incl.
ATTALL_R_T	current attendance allowance (iaa4/iaa24) - imputation f
BONDSI_BU_I	BU income from Bonds and Gilts (iabgi) - value (incl. im
BONDSI_BU_T	BU income from Bonds and Gilts (iabgi) - imputation flag
CB_P_I	partner current Child Benefit (iaa46/iaa60) - value (inc
CB_P_T	partner current Child Benefit (iaa46/iaa60) - imputation
CB_R_I	current Child Benefit (iaa46/iaa60) - value (incl. imput
CB_R_T	current Child Benefit (iaa46/iaa60) - imputation flag
DLA_P_I	partner current DLA (iaa5/iaa25) - value (incl. imputed
DLA_P_T	partner current DLA (iaa5/iaa25) - imputation flag
DLA_R_I	current DLA (iaa5/iaa25) - value (incl. imputed values)
DLA_R_T	current DLA (iaa5/iaa25) - imputation flag
DPTC_P_I	partner current DPTC (iaa9/iaa29) - value (incl. imputed
DPTC_P_I	partner current DPTC (iaa9/iaa29) - value (incl. imputed
DPTC_P_T	partner current DPTC (iaa9/iaa29) - imputation flag
DPTC_P_T	partner current DPTC (iaa9/iaa29) - imputation flag
DPTC_R_I	current DPTC (iaa9/iaa29) - value (incl. imputed values)
DPTC_R_I	current DPTC (iaa9/iaa29) - value (incl. imputed values)
DPTC_R_T	current DPTC (iaa9/iaa29) - imputation flag
DPTC_R_T	current DPTC (iaa9/iaa29) - imputation flag
FARMI_BU_I	BU inc from farm or business property (iafba) - value (i
FARMI_BU_T	BU inc from farm or business property (iafba) - imputati
GALL_P_I	partner current Guardian's All (iaa44/iaa58) - value (in
GALL_P_T	partner current Guardian's All (iaa44/iaa58) - imputatio
GALL_R_I	current Guardian's All (iaa44/iaa58) - value (incl. impu



GALL_R_T	current Guardian's All (iaa44/iaa58) - imputation flag
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira) - imputat
ICB_P_I	partner current incapacity benefit (iaa1/iaa21) - value
ICB_P_T	partner current incapacity benefit (iaa1/iaa21) - imputa
ICB_R_I	current incapacity benefit (iaa1/iaa21) - value (incl. i
ICB_R_T	current incapacity benefit (iaa1/iaa21) - imputation fla
INDINJ_P_I	partner current ind inj benefit (iaa6/iaa26) - value (in
INDINJ_P_T	partner current ind inj benefit (iaa6/iaa26) - imputatio
INDINJ_R_I	current ind inj benefit (iaa6/iaa26) - value (incl. impu
INDINJ_R_T	current ind inj benefit (iaa6/iaa26) - imputation flag
INVCARE_P_I	partner current invalid care all (iaa8/iaa28) - value (i
INVCARE_P_T	partner current invalid care all (iaa8/iaa28) - imputati
INVCARE_R_I	current invalid care all (iaa8/iaa28) - value (incl. imp
INVCARE_R_T	current invalid care all (iaa8/iaa28) - imputation flag
ISAI_BU_I	BU interest from ISA (iaaisad) - value (incl. imputed val
ISAI_BU_T	BU interest from ISA (iaaisad) - imputation flag
IS_P_I	prtnr current income support/MIG (iaa41/iaa55) - value (
IS_P_T	prtnr current income support/MIG (iaa41/iaa55) - imputat
IS_R_I	current income support/MIG (iaa41/iaa55) - value (incl.
IS_R_T	current income support/MIG (iaa41/iaa55) - imputation fl
JSA_P_I	partner current JSA (iaa43/iaa57) - value (incl. imputed
JSA_P_T	partner current JSA (iaa43/iaa57) - imputation flag
JSA_R_I	current JSA (iaa43/iaa57) - value (incl. imputed values)
JSA_R_T	current JSA (iaa43/iaa57) - imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdn/wpbdni) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdn/wpbdni) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OJ_P_I	partner inc from subsid jobs (wpesj/wpesjm) - value (inc
OJ_P_T	partner inc from subsid jobs (wpesj/wpesjm) - imputation
OJ_R_I	inc from subsid jobs (wpesj/wpesjm) - value (incl. imput
OJ_R_T	inc from subsid jobs (wpesj/wpesjm) - imputation flag
OTHPAY_P_I	prtnr total oth reg payments (iaregm/iapam2) - value (in
OTHPAY_P_T	prtnr total oth reg payments (iaregm/iapam2) - imputatio
OTHPAY_R_I	total other regular payments (iaregm/iapam2) - value (in
OTHPAY_R_T	total other regular payments (iaregm/iapam2) - imputatio
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PEPI_BU_I	BU income from PEPs (iaipi) - value (incl. imputed value
PEPI_BU_T	BU income from PEPs (iaipi) - imputation flag
PPINC_BU_S	BU tot annuitised income (priv pen + oth annuity income)
PPINC_BU_T	BU tot annuitised income (priv pen + oth annuity income)
PRBONDSI_BU_I	BU prize money from Premium Bonds (ianpbp) - value (incl
PRBONDSI_BU_T	BU prize money from Premium Bonds (ianpbp) - imputation
SAVEI_BU_I	BU interest from current/savings a/cs (iasint) - value (
SAVEI_BU_T	BU interest from current/savings a/cs (iasint) - imputat
SDA_P_I	partner current SDA (iaa2/iaa22) - value (incl. imputed
SDA_P_T	partner current SDA (iaa2/iaa22) - imputation flag
SDA_R_I	current SDA (iaa2/iaa22) - value (incl. imputed values)
SDA_R_T	current SDA (iaa2/iaa22) - imputation flag
SEDRAW_BU_I	BU self-emp drawings (wpbi) - value (incl. imputed value
SEDRAW_BU_T	BU self-emp drawings (wpbi) - imputation flag
SHARESI_BU_I	BU income from Shares (iasssi) - value (incl. imputed va
SHARESI_BU_T	BU income from Shares (iasssi) - imputation flag
SPEN_P_I	partner state pension income (iapam/iappam) - value (in
SPEN_P_T	partner state pension income (iapam/iappam) - imputatio
SPEN_R_I	state pension income (iapam/iappam) - value (incl. imput
SPEN_R_T	state pension income (iapam/iappam) - imputation flag
SSP_P_I	partner current SSP (iaa3/iaa23) - value (incl. imputed
SSP_P_T	partner current SSP (iaa3/iaa23) - imputation flag
SSP_R_I	current SSP (iaa3/iaa23) - value (incl. imputed values)
SSP_R_T	current SSP (iaa3/iaa23) - imputation flag

TESSAI_BU_I	BU interest from TESSA (iatii) - value (incl. imputed va
TESSAI_BU_T	BU interest from TESSA (iatii) - imputation flag
THP_P_I	partner take-home pay last time (wpthp) - value (incl. i
THP_P_T	partner take-home pay last time (wpthp) - imputation fla
THP_R_I	take-home pay last time (wpthp) - value (incl. imputed v
THP_R_T	take-home pay last time (wpthp) - imputation flag
TRUSTSI_BU_I	BU income from Trusts (iauiti) - value (incl. imputed va
TRUSTSI_BU_T	BU income from Trusts (iauiti) - imputation flag
WAR_P_I	partner current war pensions (iaa7/iaa27) - value (incl.
WAR_P_T	partner current war pensions (iaa7/iaa27) - imputation f
WAR_R_I	current war pensions (iaa7/iaa27) - value (incl. imputed
WAR_R_T	current war pensions (iaa7/iaa27) - imputation flag
WFTC_P_I	partner current WFTC (iaa42/iaa56) - value (incl. impute
WFTC_P_T	partner current WFTC (iaa42/iaa56) - imputation flag
WFTC_R_I	current WFTC (iaa42/iaa56) - value (incl. imputed values
WFTC_R_T	current WFTC (iaa42/iaa56) - imputation flag
WIDPEN_P_I	partner current Widow's pension (iaa45/iaa59) - value (i
WIDPEN_P_T	partner current Widow's pension (iaa45/iaa59) - imputati
WIDPEN_R_I	current Widow's pension (iaa45/iaa59) - value (incl. imp
WIDPEN_R_T	current Widow's pension (iaa45/iaa59) - imputation flag
Wave 2 Financial:	
ATTALL_P_I	partner current att allowance (iaa4/iaa22) - value (incl
ATTALL_P_T	partner current att allowance (iaa4/iaa22) - imputation
ATTALL_R_I	current attendance allowance (iaa4/iaa22) - value (incl.
ATTALL_R_T	current attendance allowance (iaa4/iaa22) - imputation f
BONDSI_BU_I	BU income from Bonds and Gilts (iabgi) - value (incl. im
BONDSI_BU_T	BU income from Bonds and Gilts (iabgi) - imputation flag
CARERS_P_I	partner current invalid care all (iaa8/iaa26) - value (i
CARERS_P_T	partner current invalid care all (iaa8/iaa26) - imputati
CARERS_R_I	current invalid care all (iaa8/iaa26) - value (incl. imp
CARERS_R_T	current invalid care all (iaa8/iaa26) - imputation flag
CB_P_I	partner current Child Benefit (iaa43/iaa61) - value (inc
CB_P_T	partner current Child Benefit (iaa43/iaa61) - imputation
CB_R_I	current Child Benefit (iaa43/iaa61) - value (incl. imput
CB_R_T	current Child Benefit (iaa43/iaa61) - imputation flag
CTC_P_I	partner current Child Tax Credit (iaa44/iaa62) - value (
CTC_P_T	partner current Child Tax Credit (iaa44/iaa62) - imputat
CTC_R_I	current Child Tax Credit (iaa44/iaa62) - value (incl. im
CTC_R_T	current Child Tax Credit (iaa44/iaa62) - imputation flag
DLA_P_I	partner current DLA (iaa5/iaa23) - value (incl. imputed
DLA_P_T	partner current DLA (iaa5/iaa23) - imputation flag
DLA_R_I	current DLA (iaa5/iaa23) - value (incl. imputed values)
DLA_R_T	current DLA (iaa5/iaa23) - imputation flag
FARMI_BU_I	BU inc from farm or business property (iafba) - value (i
FARMI_BU_T	BU inc from farm or business property (iafba) - imputati
GALL_P_I	partner current Guardian's All (iaa41/iaa59) - value (in
GALL_P_T	partner current Guardian's All (iaa41/iaa59) - imputatio
GALL_R_I	current Guardian's All (iaa41/iaa59) - value (incl. impu
GALL_R_T	current Guardian's All (iaa41/iaa59) - imputation flag
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira) - imputat
ICB_P_I	partner current incapacity benefit (iaal/iaa19) - value
ICB_P_T	partner current incapacity benefit (iaal/iaa19) - imputa
ICB_R_I	current incapacity benefit (iaal/iaa19) - value (incl. i
ICB_R_T	current incapacity benefit (iaal/iaa19) - imputation fla
INDINJ_P_I	partner current ind inj benefit (iaa6/iaa24) - value (in
INDINJ_P_T	partner current ind inj benefit (iaa6/iaa24) - imputatio
INDINJ_R_I	current ind inj benefit (iaa6/iaa24) - value (incl. impu
INDINJ_R_T	current ind inj benefit (iaa6/iaa24) - imputation flag
ISAI_BU_I	BU interest from ISA (iaisad) - value (incl. imputed val
ISAI_BU_T	BU interest from ISA (iaisad) - imputation flag
IS_P_I	prtnr current income support/MIG (iaa37/iaa55) - value (
IS_P_T	prtnr current income support/MIG (iaa37/iaa55) - imputat

IS_R_I	current income support/MIG (iaa37/iaa55) - value (incl.
IS_R_T	current income support/MIG (iaa37/iaa55) - imputation fl
JSA_P_I	partner current JSA (iaa40/iaa58) - value (incl. imputed
JSA_P_T	partner current JSA (iaa40/iaa58) - imputation flag
JSA_R_I	current JSA (iaa40/iaa58) - value (incl. imputed values)
JSA_R_T	current JSA (iaa40/iaa58) - imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OJ_P_I	partner inc from subsid jobs (wpesj/wpesjm) - value (inc
OJ_P_T	partner inc from subsid jobs (wpesj/wpesjm) - imputation
OJ_R_I	inc from subsid jobs (wpesj/wpesjm) - value (incl. imput
OJ_R_T	inc from subsid jobs (wpesj/wpesjm) - imputation flag
OTHPAY_P_I	prtnr total oth reg payments (iaregm/iapam2) - value (in
OTHPAY_P_T	prtnr total oth reg payments (iaregm/iapam2) - imputatio
OTHPAY_R_I	total other regular payments (iaregm/iapam2) - value (in
OTHPAY_R_T	total other regular payments (iaregm/iapam2) - imputatio
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PC_P_I	partner current pension credit (iaa38/iaa56) - value (i
PC_P_T	partner current pension credit (iaa38/iaa56) - imputati
PC_R_I	current pension credit (iaa38/iaa56) - value (incl. impu
PC_R_T	current pension credit (iaa38/iaa56) - imputation flag
PEPI_BU_I	BU income from PEPs (iaipi) - value (incl. imputed value
PEPI_BU_T	BU income from PEPs (iaipi) - imputation flag
PPINC_BU_S	BU tot annuitised income (priv pen + oth annuity income)
PPINC_BU_T	BU tot annuitised income (priv pen + oth annuity income)
PRBONDSI_BU_I	BU prize money from Premium Bonds (ianpbp) - value (incl
PRBONDSI_BU_T	BU prize money from Premium Bonds (ianpbp) - imputation
SAVEI_BU_I	BU interest from current/savings a/cs (iasint) - value (
SAVEI_BU_T	BU interest from current/savings a/cs (iasint) - imputat
SDA_P_I	partner current SDA (iaa2/iaa20) - value (incl. imputed
SDA_P_T	partner current SDA (iaa2/iaa20) - imputation flag
SDA_R_I	current SDA (iaa2/iaa20) - value (incl. imputed values)
SDA_R_T	current SDA (iaa2/iaa20) - imputation flag
SEDRAW_BU_I	BU self-emp drawings (wpbi) - value (incl. imputed value
SEDRAW_BU_T	BU self-emp drawings (wpbi) - imputation flag
SHARESI_BU_I	BU income from Shares (iasssi) - value (incl. imputed va
SHARESI_BU_T	BU income from Shares (iasssi) - imputation flag
SPEN_P_I	partner state pension income (iapam/iappam) - value (in
SPEN_P_T	partner state pension income (iapam/iappam) - imputatio
SPEN_R_I	state pension income (iapam/iappam) - value (incl. imput
SPEN_R_T	state pension income (iapam/iappam) - imputation flag
SSP_P_I	partner current SSP (iaa3/iaa21) - value (incl. imputed
SSP_P_T	partner current SSP (iaa3/iaa21) - imputation flag
SSP_R_I	current SSP (iaa3/iaa21) - value (incl. imputed values)
SSP_R_T	current SSP (iaa3/iaa21) - imputation flag
TESSAI_BU_I	BU interest from TESSA (iatii) - value (incl. imputed va
TESSAI_BU_T	BU interest from TESSA (iatii) - imputation flag
THP_P_I	partner take-home pay last time (wpthp) - value (incl. i
THP_P_T	partner take-home pay last time (wpthp) - imputation fla
THP_R_I	take-home pay last time (wpthp) - value (incl. imputed v
THP_R_T	take-home pay last time (wpthp) - imputation flag
TRUSTSI_BU_I	BU income from Trusts (iauiti) - value (incl. imputed va
TRUSTSI_BU_T	BU income from Trusts (iauiti) - imputation flag
WAR_P_I	partner current war pensions (iaa7/iaa25) - value (incl.
WAR_P_T	partner current war pensions (iaa7/iaa25) - imputation f
WAR_R_I	current war pensions (iaa7/iaa25) - value (incl. imputed
WAR_R_T	current war pensions (iaa7/iaa25) - imputation flag
WIDPEN_P_I	partner current Widow's pension (iaa42/iaa60) - value (i
WIDPEN_P_T	partner current Widow's pension (iaa42/iaa60) - imputati
WIDPEN_R_I	current Widow's pension (iaa42/iaa60) - value (incl. imp

WIDPEN\_R\_T current Widow's pension (iaa42/iaa60) - imputation flag  
 WTC\_P\_I partner current WTC (iaa39/iaa57) - value (incl. imputed  
 WTC\_P\_T partner current WTC (iaa39/iaa57) - imputation flag  
 WTC\_R\_I current WTC (iaa39/iaa57) - value (incl. imputed values)  
 WTC\_R\_T current WTC (iaa39/iaa57) - imputation flag

Wave 3 Financial:

ATTALL\_P\_I - value (incl. imputed values)  
 ATTALL\_P\_T - imputation flag  
 ATTALL\_R\_I - value (incl. imputed values)  
 ATTALL\_R\_T - imputation flag  
 BONDSI\_BU\_I BU income from Bonds and Gilts (iabgi) - value (incl. im  
 BONDSI\_BU\_T BU income from Bonds and Gilts (iabgi) - imputation flag  
 CARERS\_P\_I - value (incl. imputed values)  
 CARERS\_P\_T - imputation flag  
 CARERS\_R\_I - value (incl. imputed values)  
 CARERS\_R\_T - imputation flag  
 CB\_P\_I - value (incl. imputed values)  
 CB\_P\_T - imputation flag  
 CB\_R\_I - value (incl. imputed values)  
 CB\_R\_T - imputation flag  
 CTC\_P\_I - value (incl. imputed values)  
 CTC\_P\_T - imputation flag  
 CTC\_R\_I - value (incl. imputed values)  
 CTC\_R\_T - imputation flag  
 DLA\_P\_I - value (incl. imputed values)  
 DLA\_P\_T - imputation flag  
 DLA\_R\_I - value (incl. imputed values)  
 DLA\_R\_T - imputation flag  
 FARMI\_BU\_I BU inc from farm or business property (iafba) - value (i  
 FARMI\_BU\_T BU inc from farm or business property (iafba) - imputati  
 GALL\_P\_I - value (incl. imputed values)  
 GALL\_P\_T - imputation flag  
 GALL\_R\_I - value (incl. imputed values)  
 GALL\_R\_T - imputation flag  
 HOMEI\_BU\_I BU rent from 2nd home and oth property (iaira) - value (i  
 HOMEI\_BU\_T BU rent from 2nd home and oth property (iaira) - imputat  
 ICB\_P\_I - value (incl. imputed values)  
 ICB\_P\_T - imputation flag  
 ICB\_R\_I - value (incl. imputed values)  
 ICB\_R\_T - imputation flag  
 INDINJ\_P\_I - value (incl. imputed values)  
 INDINJ\_P\_T - imputation flag  
 INDINJ\_R\_I - value (incl. imputed values)  
 INDINJ\_R\_T - imputation flag  
 ISAI\_BU\_I BU interest from ISA (iaisad) - value (incl. imputed val  
 ISAI\_BU\_T BU interest from ISA (iaisad) - imputation flag  
 IS\_P\_I - value (incl. imputed values)  
 IS\_P\_T - imputation flag  
 IS\_R\_I - value (incl. imputed values)  
 IS\_R\_T - imputation flag  
 JSA\_P\_I - value (incl. imputed values)  
 JSA\_P\_T - imputation flag  
 JSA\_R\_I - value (incl. imputed values)  
 JSA\_R\_T - imputation flag  
 NETPROF\_BU\_I BU self-emp profit (wpprof/wppl/wpbdn/wpbdni) - value (i  
 NETPROF\_BU\_T BU self-emp profit (wpprof/wppl/wpbdn/wpbdni) - imputati  
 NSAVI\_BU\_I BU interest from National Savings a/cs (iansi) - value (i  
 NSAVI\_BU\_T BU interest from National Savings a/cs (iansi) - imputat  
 OJ\_P\_I partner inc from subsid jobs (wpesj/wpesjm) - value (inc  
 OJ\_P\_T partner inc from subsid jobs (wpesj/wpesjm) - imputation  
 OJ\_R\_I inc from subsid jobs (wpesj/wpesjm) - value (incl. imput  
 OJ\_R\_T inc from subsid jobs (wpesj/wpesjm) - imputation flag  
 OTHPAY\_P\_I prtnr total oth reg payments (iaregm/iapam2) - value (in

OTHPAY_P_T	prtnr total oth reg payments (iaregm/iapam2) - imputatio
OTHPAY_R_I	total other regular payments (iaregm/iapam2) - value (in
OTHPAY_R_T	total other regular payments (iaregm/iapam2) - imputatio
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PC_P_I	- value (incl. imputed values)
PC_P_T	- imputation flag
PC_R_I	- value (incl. imputed values)
PC_R_T	- imputation flag
PEPI_BU_I	BU income from PEPs (iaipi) - value (incl. imputed value
PEPI_BU_T	BU income from PEPs (iaipi) - imputation flag
PPINC_BU_S	BU tot annuitised income (priv pen + oth annuity income)
PPINC_BU_T	BU tot annuitised income (priv pen + oth annuity income)
PRBONDSI_BU_I	BU prize money from Premium Bonds (ianpbp) - value (incl
PRBONDSI_BU_T	BU prize money from Premium Bonds (ianpbp) - imputation
SAVEI_BU_I	BU interest from current/savings a/cs (iasint) - value (
SAVEI_BU_T	BU interest from current/savings a/cs (iasint) - imputat
SDA_P_I	- value (incl. imputed values)
SDA_P_T	- imputation flag
SDA_R_I	- value (incl. imputed values)
SDA_R_T	- imputation flag
SEDRAW_BU_I	BU self-emp drawings (wpbi) - value (incl. imputed value
SEDRAW_BU_T	BU self-emp drawings (wpbi) - imputation flag
SHARESI_BU_I	BU income from Shares (iasssi) - value (incl. imputed va
SHARESI_BU_T	BU income from Shares (iasssi) - imputation flag
SPEN_P_I	partner state pension income (iapam/iappam) - value (in
SPEN_P_T	partner state pension income (iapam/iappam) - imputatio
SPEN_R_I	state pension income (iapam/iappam) - value (incl. imput
SPEN_R_T	state pension income (iapam/iappam) - imputation flag
SSP_P_I	- value (incl. imputed values)
SSP_P_T	- imputation flag
SSP_R_I	- value (incl. imputed values)
SSP_R_T	- imputation flag
TESSAI_BU_I	BU interest from TESSA (iatii) - value (incl. imputed va
TESSAI_BU_T	BU interest from TESSA (iatii) - imputation flag
THP_P_I	partner take-home pay last time (wpthp) - value (incl. i
THP_P_T	partner take-home pay last time (wpthp) - imputation fla
THP_R_I	take-home pay last time (wpthp) - value (incl. imputed v
THP_R_T	take-home pay last time (wpthp) - imputation flag
TRUSTSI_BU_I	BU income from Trusts (iauiti) - value (incl. imputed va
TRUSTSI_BU_T	BU income from Trusts (iauiti) - imputation flag
WAR_P_I	- value (incl. imputed values)
WAR_P_T	- imputation flag
WAR_R_I	- value (incl. imputed values)
WAR_R_T	- imputation flag
WIDPEN_P_I	- value (incl. imputed values)
WIDPEN_P_T	- imputation flag
WIDPEN_R_I	- value (incl. imputed values)
WIDPEN_R_T	- imputation flag
WTC_P_I	- value (incl. imputed values)
WTC_P_T	- imputation flag
WTC_R_I	- value (incl. imputed values)
WTC_R_T	- imputation flag
Wave 4 Financial:	
ATTALL_P_I	- value (incl. imputed values)
ATTALL_P_T	- imputation flag
ATTALL_R_I	- value (incl. imputed values)
ATTALL_R_T	- imputation flag
BONDSI_BU_I	BU income from Bonds and Gilts (iabgi) - value (incl. im
BONDSI_BU_T	BU income from Bonds and Gilts (iabgi) - imputation flag
CARERS_P_I	- value (incl. imputed values)
CARERS_P_T	- imputation flag
CARERS_R_I	- value (incl. imputed values)

CARERS_R_T	- imputation flag
CB_P_I	- value (incl. imputed values)
CB_P_T	- imputation flag
CB_R_I	- value (incl. imputed values)
CB_R_T	- imputation flag
CTC_P_I	- value (incl. imputed values)
CTC_P_T	- imputation flag
CTC_R_I	- value (incl. imputed values)
CTC_R_T	- imputation flag
DLA_P_I	- value (incl. imputed values)
DLA_P_T	- imputation flag
DLA_R_I	- value (incl. imputed values)
DLA_R_T	- imputation flag
FARMI_BU_I	BU inc from farm or business property (iafba) - value (i
FARMI_BU_T	BU inc from farm or business property (iafba) - imputati
GALL_P_I	- value (incl. imputed values)
GALL_P_T	- imputation flag
GALL_R_I	- value (incl. imputed values)
GALL_R_T	- imputation flag
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira) - imputat
ICB_P_I	- value (incl. imputed values)
ICB_P_T	- imputation flag
ICB_R_I	- value (incl. imputed values)
ICB_R_T	- imputation flag
INDINJ_P_I	- value (incl. imputed values)
INDINJ_P_T	- imputation flag
INDINJ_R_I	- value (incl. imputed values)
INDINJ_R_T	- imputation flag
ISAI_BU_I	BU interest from ISA (iaisad) - value (incl. imputed val
ISAI_BU_T	BU interest from ISA (iaisad) - imputation flag
IS_P_I	- value (incl. imputed values)
IS_P_T	- imputation flag
IS_R_I	- value (incl. imputed values)
IS_R_T	- imputation flag
JSA_P_I	- value (incl. imputed values)
JSA_P_T	- imputation flag
JSA_R_I	- value (incl. imputed values)
JSA_R_T	- imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdn/wpbdni) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdn/wpbdni) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OJ_P_I	partner inc from subsid jobs (wpesj/wpesjm) - value (inc
OJ_P_T	partner inc from subsid jobs (wpesj/wpesjm) - imputation
OJ_R_I	inc from subsid jobs (wpesj/wpesjm) - value (incl. imput
OJ_R_T	inc from subsid jobs (wpesj/wpesjm) - imputation flag
OTHPAY_P_I	prtnr total oth reg payments (iaregm/iapam2) - value (in
OTHPAY_P_T	prtnr total oth reg payments (iaregm/iapam2) - imputatio
OTHPAY_R_I	total other regular payments (iaregm/iapam2) - value (in
OTHPAY_R_T	total other regular payments (iaregm/iapam2) - imputatio
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PC_P_I	- value (incl. imputed values)
PC_P_T	- imputation flag
PC_R_I	- value (incl. imputed values)
PC_R_T	- imputation flag
PEPI_BU_I	BU income from PEPs (iaipi) - value (incl. imputed value
PEPI_BU_T	BU income from PEPs (iaipi) - imputation flag
PPINC_BU_S	BU tot annuitised income (priv pen + oth annuity income)
PPINC_BU_T	BU tot annuitised income (priv pen + oth annuity income)
PRBONDSI_BU_I	BU prize money from Premium Bonds (ianpbp) - value (incl
PRBONDSI_BU_T	BU prize money from Premium Bonds (ianpbp) - imputation

SAVEI\_BU\_I BU interest from current/savings a/cs (iasint) - value (
   
 SAVEI\_BU\_T BU interest from current/savings a/cs (iasint) - imputat
   
 SDA\_P\_I - value (incl. imputed values)
   
 SDA\_P\_T - imputation flag
   
 SDA\_R\_I - value (incl. imputed values)
   
 SDA\_R\_T - imputation flag
   
 SEDRAW\_BU\_I BU self-emp drawings (wpbi) - value (incl. imputed value
   
 SEDRAW\_BU\_T BU self-emp drawings (wpbi) - imputation flag
   
 SHARES\_I\_BU\_I BU income from Shares (iasssi) - value (incl. imputed va
   
 SHARES\_I\_BU\_T BU income from Shares (iasssi) - imputation flag
   
 SPEN\_P\_I partner state pension income (iapam/iappam) - value (in
   
 SPEN\_P\_T partner state pension income (iapam/iappam) - imputatio
   
 SPEN\_R\_I state pension income (iapam/iappam) - value (incl. imput
   
 SPEN\_R\_T state pension income (iapam/iappam) - imputation flag
   
 SSP\_P\_I - value (incl. imputed values)
   
 SSP\_P\_T - imputation flag
   
 SSP\_R\_I - value (incl. imputed values)
   
 SSP\_R\_T - imputation flag
   
 TESSAI\_BU\_I BU interest from TESSA (iatii) - value (incl. imputed va
   
 TESSAI\_BU\_T BU interest from TESSA (iatii) - imputation flag
   
 THP\_P\_I partner take-home pay last time (wpthp) - value (incl. i
   
 THP\_P\_T partner take-home pay last time (wpthp) - imputation fla
   
 THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v
   
 THP\_R\_T take-home pay last time (wpthp) - imputation flag
   
 TRUSTSI\_BU\_I BU income from Trusts (iauiti) - value (incl. imputed va
   
 TRUSTSI\_BU\_T BU income from Trusts (iauiti) - imputation flag
   
 WAR\_P\_I - value (incl. imputed values)
   
 WAR\_P\_T - imputation flag
   
 WAR\_R\_I - value (incl. imputed values)
   
 WAR\_R\_T - imputation flag
   
 WIDPEN\_P\_I - value (incl. imputed values)
   
 WIDPEN\_P\_T - imputation flag
   
 WIDPEN\_R\_I - value (incl. imputed values)
   
 WIDPEN\_R\_T - imputation flag
   
 WTC\_P\_I - value (incl. imputed values)
   
 WTC\_P\_T - imputation flag
   
 WTC\_R\_I - value (incl. imputed values)
   
 WTC\_R\_T - imputation flag

## Wave 5 Financial:

ATTALL\_P\_I partner current att allowance (iaa5/iaa15) - value (incl
   
 ATTALL\_P\_T partner current att allowance (iaa5/iaa15) - imputation
   
 ATTALL\_R\_I current attendance allowance (iaa5/iaa15) - value (incl.
   
 ATTALL\_R\_T current attendance allowance (iaa5/iaa15) - imputation f
   
 BONDSI\_BU\_I BU income from Bonds and Gilts (iabgi) - value (incl. im
   
 BONDSI\_BU\_T BU income from Bonds and Gilts (iabgi) - imputation flag
   
 CARERS\_P\_I partner current invalid care all (iaa9/iaa19) - value (i
   
 CARERS\_P\_T partner current invalid care all (iaa9/iaa19) - imputati
   
 CARERS\_R\_I current invalid care all (iaa9/iaa19) - value (incl. imp
   
 CARERS\_R\_T current invalid care all (iaa9/iaa19) - imputation flag
   
 CB\_P\_I partner current Child Benefit (iaa27/iaa36) - value (inc
   
 CB\_P\_T partner current Child Benefit (iaa27/iaa36) - imputation
   
 CB\_R\_I current Child Benefit (iaa27/iaa36) - value (incl. imput
   
 CB\_R\_T current Child Benefit (iaa27/iaa36) - imputation flag
   
 CTC\_P\_I partner current Child Tax Credit (iaa28/iaa37) - value (
   
 CTC\_P\_T partner current Child Tax Credit (iaa28/iaa37) - imputat
   
 CTC\_R\_I current Child Tax Credit (iaa28/iaa37) - value (incl. im
   
 CTC\_R\_T current Child Tax Credit (iaa28/iaa37) - imputation flag
   
 DLA\_P\_I partner current DLA (iaa6/iaa16) - value (incl. imputed
   
 DLA\_P\_T partner current DLA (iaa6/iaa16) - imputation flag
   
 DLA\_R\_I current DLA (iaa6/iaa16) - value (incl. imputed values)
   
 DLA\_R\_T current DLA (iaa6/iaa16) - imputation flag
   
 FARMI\_BU\_I BU inc from farm or business property (iafba) - value (i
   
 FARMI\_BU\_T BU inc from farm or business property (iafba) - imputati

GALL_P_I	partner current Guardian's All (iaa25/iaa34) - value (in
GALL_P_T	partner current Guardian's All (iaa25/iaa34) - imputatio
GALL_R_I	current Guardian's All (iaa25/iaa34) - value (incl. impu
GALL_R_T	current Guardian's All (iaa25/iaa34) - imputation flag
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira) - imputat
ICB_P_I	partner current incapacity benefit (iaa1/iaa11) - value
ICB_P_T	partner current incapacity benefit (iaa1/iaa11) - imputa
ICB_R_I	current incapacity benefit (iaa1/iaa11) - value (incl. i
ICB_R_T	current incapacity benefit (iaa1/iaa11) - imputation fla
INDINJ_P_I	partner current ind inj benefit (iaa7/iaa17) - value (in
INDINJ_P_T	partner current ind inj benefit (iaa7/iaa17) - imputatio
INDINJ_R_I	current ind inj benefit (iaa7/iaa17) - value (incl. impu
INDINJ_R_T	current ind inj benefit (iaa7/iaa17) - imputation flag
ISAI_BU_I	BU interest from ISA (iaisad) - value (incl. imputed val
ISAI_BU_T	BU interest from ISA (iaisad) - imputation flag
IS_P_I	prtnr current income support/MIG (iaa21/iaa30) - value (
IS_P_T	prtnr current income support/MIG (iaa21/iaa30) - imputat
IS_R_I	current income support/MIG (iaa21/iaa30) - value (incl.
IS_R_T	current income support/MIG (iaa21/iaa30) - imputation fl
JSA_P_I	partner current JSA (iaa24/iaa33) - value (incl. imputed
JSA_P_T	partner current JSA (iaa24/iaa33) - imputation flag
JSA_R_I	current JSA (iaa24/iaa33) - value (incl. imputed values)
JSA_R_T	current JSA (iaa24/iaa33) - imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OJ_P_I	partner inc from subsid jobs (wpesj/wpesjm) - value (inc
OJ_P_T	partner inc from subsid jobs (wpesj/wpesjm) - imputation
OJ_R_I	inc from subsid jobs (wpesj/wpesjm) - value (incl. imput
OJ_R_T	inc from subsid jobs (wpesj/wpesjm) - imputation flag
OTHPAY_P_I	prtnr total oth reg payments (iaregm/iapam2) - value (in
OTHPAY_P_T	prtnr total oth reg payments (iaregm/iapam2) - imputatio
OTHPAY_R_I	total other regular payments (iaregm/iapam2) - value (in
OTHPAY_R_T	total other regular payments (iaregm/iapam2) - imputatio
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PC_P_I	partner current pension credit (iaa22/iaa31) - value (i
PC_P_T	partner current pension credit (iaa22/iaa31) - imputati
PC_R_I	current pension credit (iaa22/iaa31) - value (incl. impu
PC_R_T	current pension credit (iaa22/iaa31) - imputation flag
PEPI_BU_I	BU income from PEPs (iaipi) - value (incl. imputed value
PEPI_BU_T	BU income from PEPs (iaipi) - imputation flag
PPINC_BU_S	BU tot annuitised income (priv pen + oth annuity income)
PPINC_BU_T	BU tot annuitised income (priv pen + oth annuity income)
PRBONDSI_BU_I	BU prize money from Premium Bonds (ianpbp) - value (incl
PRBONDSI_BU_T	BU prize money from Premium Bonds (ianpbp) - imputation
SAVEI_BU_I	BU interest from current/savings a/cs (iasint) - value (
SAVEI_BU_T	BU interest from current/savings a/cs (iasint) - imputat
SDA_P_I	partner current SDA (iaa3/iaa13) - value (incl. imputed
SDA_P_T	partner current SDA (iaa3/iaa13) - imputation flag
SDA_R_I	current SDA (iaa3/iaa13) - value (incl. imputed values)
SDA_R_T	current SDA (iaa3/iaa13) - imputation flag
SEDRAW_BU_I	BU self-emp drawings (wpbi) - value (incl. imputed value
SEDRAW_BU_T	BU self-emp drawings (wpbi) - imputation flag
SHARESI_BU_I	BU income from Shares (iasssi) - value (incl. imputed va
SHARESI_BU_T	BU income from Shares (iasssi) - imputation flag
SPEN_P_I	partner state pension income (iapam/iappam) - value (in
SPEN_P_T	partner state pension income (iapam/iappam) - imputatio
SPEN_R_I	state pension income (iapam/iappam) - value (incl. imput
SPEN_R_T	state pension income (iapam/iappam) - imputation flag
SSP_P_I	partner current SSP (iaa4/iaa14) - value (incl. imputed



SSP_P_T	partner current SSP (iaa4/iaa14) - imputation flag
SSP_R_I	current SSP (iaa4/iaa14) - value (incl. imputed values)
SSP_R_T	current SSP (iaa4/iaa14) - imputation flag
TESSAI_BU_I	BU interest from TESSA (iatii) - value (incl. imputed va
TESSAI_BU_T	BU interest from TESSA (iatii) - imputation flag
THP_P_I	partner take-home pay last time (wpthp) - value (incl. i
THP_P_T	partner take-home pay last time (wpthp) - imputation fla
THP_R_I	take-home pay last time (wpthp) - value (incl. imputed v
THP_R_T	take-home pay last time (wpthp) - imputation flag
TRUSTSI_BU_I	BU income from Trusts (iauiti) - value (incl. imputed va
TRUSTSI_BU_T	BU income from Trusts (iauiti) - imputation flag
WAR_P_I	partner current war pensions (iaa8/iaa18) - value (incl.
WAR_P_T	partner current war pensions (iaa8/iaa18) - imputation f
WAR_R_I	current war pensions (iaa8/iaa18) - value (incl. imputed
WAR_R_T	current war pensions (iaa8/iaa18) - imputation flag
WIDPEN_P_I	partner current Widow's pension (iaa26/iaa35 - value (in
WIDPEN_P_T	partner current Widow's pension (iaa26/iaa35 - imputatio
WIDPEN_R_I	current Widow's pension (iaa26/iaa35) - value (incl. imp
WIDPEN_R_T	current Widow's pension (iaa26/iaa35) - imputation flag
WTC_P_I	partner current WTC (iaa23/iaa32) - value (incl. imputed
WTC_P_T	partner current WTC (iaa23/iaa32) - imputation flag
WTC_R_I	current WTC (iaa23/iaa32) - value (incl. imputed values)
WTC_R_T	current WTC (iaa23/iaa32) - imputation flag
Wave 6 Financial:	
ATTALL_P_I	partner current att allowance (iaa5/iaa15) - value (incl
ATTALL_P_T	partner current att allowance (iaa5/iaa15) - imputation
ATTALL_R_I	current attendance allowance (iaa5/iaa15) - value (incl.
ATTALL_R_T	current attendance allowance (iaa5/iaa15) - imputation f
BONDSI_BU_I	BU income from Bonds and Gilts (iabgi) - value (incl. im
BONDSI_BU_T	BU income from Bonds and Gilts (iabgi) - imputation flag
CARERS_P_I	partner current invalid care all (iaa9/iaa19) - value (i
CARERS_P_T	partner current invalid care all (iaa9/iaa19) - imputati
CARERS_R_I	current invalid care all (iaa9/iaa19) - value (incl. imp
CARERS_R_T	current invalid care all (iaa9/iaa19) - imputation flag
CB_P_I	partner current Child Benefit (iaa27/iaa36) - value (inc
CB_P_T	partner current Child Benefit (iaa27/iaa36) - imputation
CB_R_I	current Child Benefit (iaa27/iaa36) - value (incl. imput
CB_R_T	current Child Benefit (iaa27/iaa36) - imputation flag
CTC_P_I	partner current Child Tax Credit (iaa28/iaa37) - value (
CTC_P_T	partner current Child Tax Credit (iaa28/iaa37) - imputat
CTC_R_I	current Child Tax Credit (iaa28/iaa37) - value (incl. im
CTC_R_T	current Child Tax Credit (iaa28/iaa37) - imputation flag
DLA_P_I	partner current DLA (iaa6/iaa16) - value (incl. imputed
DLA_P_T	partner current DLA (iaa6/iaa16) - imputation flag
DLA_R_I	current DLA (iaa6/iaa16) - value (incl. imputed values)
DLA_R_T	current DLA (iaa6/iaa16) - imputation flag
FARMI_BU_I	BU inc from farm or business property (iafba) - value (i
FARMI_BU_T	BU inc from farm or business property (iafba) - imputati
GALL_P_I	partner current Guardian's All (iaa25/iaa34) - value (in
GALL_P_T	partner current Guardian's All (iaa25/iaa34) - imputatio
GALL_R_I	current Guardian's All (iaa25/iaa34) - value (incl. impu
GALL_R_T	current Guardian's All (iaa25/iaa34) - imputation flag
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira) - imputat
ICB_P_I	partner current incapacity benefit (iaa1/iaa11) - value
ICB_P_T	partner current incapacity benefit (iaa1/iaa11) - imputa
ICB_R_I	current incapacity benefit (iaa1/iaa11) - value (incl. i
ICB_R_T	current incapacity benefit (iaa1/iaa11) - imputation fla
INDINJ_P_I	partner current ind inj benefit (iaa7/iaa17) - value (in
INDINJ_P_T	partner current ind inj benefit (iaa7/iaa17) - imputatio
INDINJ_R_I	current ind inj benefit (iaa7/iaa17) - value (incl. impu
INDINJ_R_T	current ind inj benefit (iaa7/iaa17) - imputation flag
ISAI_BU_I	BU interest from ISA (iaisad) - value (incl. imputed val

ISAI_BU_T	BU interest from ISA (iaisad) - imputation flag
IS_P_I	prtnr current income support/MIG (iaa21/iaa30) - value (
IS_P_T	prtnr current income support/MIG (iaa21/iaa30) - imputat
IS_R_I	current income support/MIG (iaa21/iaa30) - value (incl.
IS_R_T	current income support/MIG (iaa21/iaa30) - imputation fl
JSA_P_I	partner current JSA (iaa24/iaa33) - value (incl. imputed
JSA_P_T	partner current JSA (iaa24/iaa33) - imputation flag
JSA_R_I	current JSA (iaa24/iaa33) - value (incl. imputed values)
JSA_R_T	current JSA (iaa24/iaa33) - imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OJ_P_I	partner inc from subsid jobs (wpesj/wpesjm) - value (inc
OJ_P_T	partner inc from subsid jobs (wpesj/wpesjm) - imputation
OJ_R_I	inc from subsid jobs (wpesj/wpesjm) - value (incl. imput
OJ_R_T	inc from subsid jobs (wpesj/wpesjm) - imputation flag
OTHPAY_P_I	prtnr total oth reg payments (iaregm/iapam2) - value (in
OTHPAY_P_T	prtnr total oth reg payments (iaregm/iapam2) - imputatio
OTHPAY_R_I	total other regular payments (iaregm/iapam2) - value (in
OTHPAY_R_T	total other regular payments (iaregm/iapam2) - imputatio
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PC_P_I	partner current pension credit (iaa22/iaa31) - value (i
PC_P_T	partner current pension credit (iaa22/iaa31) -imputati
PC_R_I	current pension credit (iaa22/iaa31) - value (incl. impu
PC_R_T	current pension credit (iaa22/iaa31) - imputation flag
PEPI_BU_I	BU income from PEPs (iaipi) - value (incl. imputed value
PEPI_BU_T	BU income from PEPs (iaipi) - imputation flag
PPINC_BU_S	BU tot annuitised income (priv pen + oth annuity income)
PPINC_BU_T	BU tot annuitised income (priv pen + oth annuity income)
PRBONDSI_BU_I	BU prize money from Premium Bonds (ianpbp) - value (incl
PRBONDSI_BU_T	BU prize money from Premium Bonds (ianpbp) - imputation
SAVEI_BU_I	BU interest from current/savings a/cs (iasint) - value (
SAVEI_BU_T	BU interest from current/savings a/cs (iasint) - imputat
SDA_P_I	partner current SDA (iaa3/iaa13) - value (incl. imputed
SDA_P_T	partner current SDA (iaa3/iaa13) - imputation flag
SDA_R_I	current SDA (iaa3/iaa13) - value (incl. imputed values)
SDA_R_T	current SDA (iaa3/iaa13) - imputation flag
SEDRAW_BU_I	BU self-emp drawings (wpbi) - value (incl. imputed value
SEDRAW_BU_T	BU self-emp drawings (wpbi) - imputation flag
SHARESI_BU_I	BU income from Shares (iasssi) - value (incl. imputed va
SHARESI_BU_T	BU income from Shares (iasssi) - imputation flag
SPEN_P_I	partner state pension income (iapam/iappam) - value (in
SPEN_P_T	partner state pension income (iapam/iappam) - imputatio
SPEN_R_I	state pension income (iapam/iappam) - value (incl. imput
SPEN_R_T	state pension income (iapam/iappam) - imputation flag
SSP_P_I	partner current SSP (iaa4/iaa14) - value (incl. imputed
SSP_P_T	partner current SSP (iaa4/iaa14) - imputation flag
SSP_R_I	current SSP (iaa4/iaa14) - value (incl. imputed values)
SSP_R_T	current SSP (iaa4/iaa14) - imputation flag
TESSAI_BU_I	BU interest from TESSA (iatii) - value (incl. imputed va
TESSAI_BU_T	BU interest from TESSA (iatii) - imputation flag
THP_P_I	partner take-home pay last time (wpthp) - value (incl. i
THP_P_T	partner take-home pay last time (wpthp) - imputation fla
THP_R_I	take-home pay last time (wpthp) - value (incl. imputed v
THP_R_T	take-home pay last time (wpthp) - imputation flag
TRUSTSI_BU_I	BU income from Trusts (iauiti) - value (incl. imputed va
TRUSTSI_BU_T	BU income from Trusts (iauiti) - imputation flag
WAR_P_I	partner current war pensions (iaa8/iaa18) - value (incl.
WAR_P_T	partner current war pensions (iaa8/iaa18) - imputation f
WAR_R_I	current war pensions (iaa8/iaa18) - value (incl. imputed
WAR_R_T	current war pensions (iaa8/iaa18) - imputation flag

WIDPEN_P_I	partner current Widow's pension (iaa26/iaa35 - value (in
WIDPEN_P_T	partner current Widow's pension (iaa26/iaa35 - imputatio
WIDPEN_R_I	current Widow's pension (iaa26/iaa35) - value (incl. imp
WIDPEN_R_T	current Widow's pension (iaa26/iaa35) - imputation flag
WTC_P_I	partner current WTC (iaa23/iaa32) - value (incl. imputed
WTC_P_T	partner current WTC (iaa23/iaa32) - imputation flag
WTC_R_I	current WTC (iaa23/iaa32) - value (incl. imputed values)
WTC_R_T	current WTC (iaa23/iaa32) - imputation flag
Wave 7 Financial:	
ATTALL_P_I	partner current att allowance (iaa5/iaa15) - value (incl
ATTALL_P_T	partner current att allowance (iaa5/iaa15) - imputation
ATTALL_R_I	current attendance allowance (iaa5/iaa15) - value (incl.
ATTALL_R_T	current attendance allowance (iaa5/iaa15) - imputation f
BONDSI_BU_I	BU income from Bonds and Gilts (iabgi) - value (incl. im
BONDSI_BU_T	BU income from Bonds and Gilts (iabgi) - imputation flag
CARERS_P_I	partner current invalid care all (iaa9/iaa19) - value (i
CARERS_P_T	partner current invalid care all (iaa9/iaa19) - imputati
CARERS_R_I	current invalid care all (iaa9/iaa19) - value (incl. imp
CARERS_R_T	current invalid care all (iaa9/iaa19) - imputation flag
CB_P_I	partner current Child Benefit (iaa27/iaa36) - value (inc
CB_P_T	partner current Child Benefit (iaa27/iaa36) - imputation
CB_R_I	current Child Benefit (iaa27/iaa36) - value (incl. imput
CB_R_T	current Child Benefit (iaa27/iaa36) - imputation flag
CTC_P_I	partner current Child Tax Credit (iaa28/iaa37) - value (
CTC_P_T	partner current Child Tax Credit (iaa28/iaa37) - imputat
CTC_R_I	current Child Tax Credit (iaa28/iaa37) - value (incl. im
CTC_R_T	current Child Tax Credit (iaa28/iaa37) - imputation flag
DLA_P_I	partner current DLA (iaa6/iaa16) - value (incl. imputed
DLA_P_T	partner current DLA (iaa6/iaa16) - imputation flag
DLA_R_I	current DLA (iaa6/iaa16) - value (incl. imputed values)
DLA_R_T	current DLA (iaa6/iaa16) - imputation flag
FARMI_BU_I	BU inc from farm or business property (iafba) - value (i
FARMI_BU_T	BU inc from farm or business property (iafba) - imputati
GALL_P_I	partner current Guardian's All (iaa25/iaa34) - value (in
GALL_P_T	partner current Guardian's All (iaa25/iaa34) - imputatio
GALL_R_I	current Guardian's All (iaa25/iaa34) - value (incl. impu
GALL_R_T	current Guardian's All (iaa25/iaa34) - imputation flag
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira) - imputat
ICB_P_I	partner current incapacity benefit (iaa1/iaa11) - value
ICB_P_T	partner current incapacity benefit (iaa1/iaa11) - imputa
ICB_R_I	current incapacity benefit (iaa1/iaa11) - value (incl. i
ICB_R_T	current incapacity benefit (iaa1/iaa11) - imputation fla
INDINJ_P_I	partner current ind inj benefit (iaa7/iaa17) - value (in
INDINJ_P_T	partner current ind inj benefit (iaa7/iaa17) - imputatio
INDINJ_R_I	current ind inj benefit (iaa7/iaa17) - value (incl. impu
INDINJ_R_T	current ind inj benefit (iaa7/iaa17) - imputation flag
ISAI_BU_I	BU interest from ISA (iaisad) - value (incl. imputed val
ISAI_BU_T	BU interest from ISA (iaisad) - imputation flag
IS_P_I	prtnr current income support/MIG (iaa21/iaa30) - value (
IS_P_T	prtnr current income support/MIG (iaa21/iaa30) - imputat
IS_R_I	current income support/MIG (iaa23/iaa33) - value (incl.
IS_R_T	current income support/MIG (iaa23/iaa33) - imputation fl
JSA_P_I	partner current JSA (iaa24/iaa33) - value (incl. imputed
JSA_P_T	partner current JSA (iaa24/iaa33) - imputation flag
JSA_R_I	current JSA (iaa24/iaa33) - value (incl. imputed values)
JSA_R_T	current JSA (iaa24/iaa33) - imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdn/wpbdt/wpbdni) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdn/wpbdt/wpbdni) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OJ_P_I	partner inc from subsid jobs (wpesj/wpesjm) - value (inc
OJ_P_T	partner inc from subsid jobs (wpesj/wpesjm) - imputation

OJ\_R\_I inc from subsid jobs (wpesj/wpesjm) - value (incl. imput  
 OJ\_R\_T inc from subsid jobs (wpesj/wpesjm) - imputation flag  
 OTHPAY\_P\_I prtnt total oth reg payments (iaregm/iapam2) - value (in  
 OTHPAY\_P\_T prtnt total oth reg payments (iaregm/iapam2) - imputatio  
 OTHPAY\_R\_I total other regular payments (iaregm/iapam2) - value (in  
 OTHPAY\_R\_T total other regular payments (iaregm/iapam2) - imputatio  
 OTHSAVI\_BU\_I BU income from other savings (iasioi) - value (incl. imp  
 OTHSAVI\_BU\_T BU income from other savings (iasioi) - imputation flag  
 PC\_P\_I partner current pension credit (iaa22/iaa31) - value (i  
 PC\_P\_T partner current pension credit (iaa22/iaa31) - imputati  
 PC\_R\_I current pension credit (iaa22/iaa31) - value (incl. impu  
 PC\_R\_T current pension credit (iaa22/iaa31) - imputation flag  
 PEPI\_BU\_I BU income from PEPs (iaipi) - value (incl. imputed value  
 PEPI\_BU\_T BU income from PEPs (iaipi) - imputation flag  
 PPINC\_BU\_S BU tot annuitised income (priv pen + oth annuity income)  
 PPINC\_BU\_T BU tot annuitised income (priv pen + oth annuity income)  
 PRBONDSI\_BU\_I BU prize money from Premium Bonds (ianpbp) - value (incl  
 PRBONDSI\_BU\_T BU prize money from Premium Bonds (ianpbp) - imputation  
 SAVEI\_BU\_I BU interest from current/savings a/cs (iasint) - value (in  
 SAVEI\_BU\_T BU interest from current/savings a/cs (iasint) - imputat  
 SDA\_P\_I partner current SDA (iaa3/iaa13) - value (incl. imputed  
 SDA\_P\_T partner current SDA (iaa3/iaa13) - imputation flag  
 SDA\_R\_I current SDA (iaa3/iaa13) - value (incl. imputed values)  
 SDA\_R\_T current SDA (iaa3/iaa13) - imputation flag  
 SEDRAW\_BU\_I BU self-emp drawings (wpbi) - value (incl. imputed value  
 SEDRAW\_BU\_T BU self-emp drawings (wpbi) - imputation flag  
 SHARESI\_BU\_I BU income from Shares (iasssi) - value (incl. imputed va  
 SHARESI\_BU\_T BU income from Shares (iasssi) - imputation flag  
 SPEN\_P\_I partner state pension income (iapam/iappam) - value (in  
 SPEN\_P\_T partner state pension income (iapam/iappam) - imputatio  
 SPEN\_R\_I state pension income (iapam/iappam) - value (incl. imput  
 SPEN\_R\_T state pension income (iapam/iappam) - imputation flag  
 SSP\_P\_I partner current SSP (iaa4/iaa14) - value (incl. imputed  
 SSP\_P\_T partner current SSP (iaa4/iaa14) - imputation flag  
 SSP\_R\_I current SSP (iaa4/iaa14) - value (incl. imputed values)  
 SSP\_R\_T current SSP (iaa4/iaa14) - imputation flag  
 TESSAI\_BU\_I BU interest from TESSA (iatii) - value (incl. imputed va  
 TESSAI\_BU\_T BU interest from TESSA (iatii) - imputation flag  
 THP\_P\_I partner take-home pay last time (wpthp) - value (incl. i  
 THP\_P\_T partner take-home pay last time (wpthp) - imputation fla  
 THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
 THP\_R\_T take-home pay last time (wpthp) - imputation flag  
 TRUSTSI\_BU\_I BU income from Trusts (iauiti) - value (incl. imputed va  
 TRUSTSI\_BU\_T BU income from Trusts (iauiti) - imputation flag  
 WAR\_P\_I partner current war pensions (iaa8/iaa18) - value (incl.  
 WAR\_P\_T partner current war pensions (iaa8/iaa18) - imputation f  
 WAR\_R\_I current war pensions (iaa8/iaa18) - value (incl. imputed  
 WAR\_R\_T current war pensions (iaa8/iaa18) - imputation flag  
 WIDPEN\_P\_I partner current Widow's pension (iaa26/iaa35 - value (in  
 WIDPEN\_P\_T partner current Widow's pension (iaa26/iaa35 - imputatio  
 WIDPEN\_R\_I current Widow's pension (iaa26/iaa35) - value (incl. imp  
 WIDPEN\_R\_T current Widow's pension (iaa26/iaa35) - imputation flag  
 WTC\_P\_I partner current WTC (iaa23/iaa32) - value (incl. imputed  
 WTC\_P\_T partner current WTC (iaa23/iaa32) - imputation flag  
 WTC\_R\_I current WTC (iaa23/iaa32) - value (incl. imputed values)  
 WTC\_R\_T current WTC (iaa23/iaa32) - imputation flag

## Wave 8 Financial:

ATTALL\_P\_I partner current att allowance (iaa5/iaa16) - value (incl  
 ATTALL\_P\_T partner current att allowance (iaa5/iaa16) - imputation  
 ATTALL\_R\_I current attendance allowance (iaa5/iaa16) - value (incl.  
 ATTALL\_R\_T current attendance allowance (iaa5/iaa16) - imputation f  
 BONDSI\_BU\_I BU income from Bonds and Gilts (iabgi) - value (incl. im  
 BONDSI\_BU\_T BU income from Bonds and Gilts (iabgi) - imputation flag

CARERS_P_I	partner current invalid care all (iaa10/iaa21) - value (
CARERS_P_T	partner current invalid care all (iaa10/iaa21) - imputat
CARERS_R_I	current invalid care all (iaa10/iaa21) - value (incl. im
CARERS_R_T	current invalid care all (iaa10/iaa21) - imputation flag
CB_P_I	partner current Child Benefit (iaa30/iaa40) - value (inc
CB_P_T	partner current Child Benefit (iaa30/iaa40) - imputation
CB_R_I	current Child Benefit (iaa30/iaa40) - value (incl. imput
CB_R_T	current Child Benefit (iaa30/iaa40) - imputation flag
CTC_P_I	partner current Child Tax Credit (iaa31/iaa41) - value (
CTC_P_T	partner current Child Tax Credit (iaa31/iaa41) - imputat
CTC_R_I	current Child Tax Credit (iaa28/iaa37) - value (incl. im
CTC_R_T	current Child Tax Credit (iaa28/iaa37) - imputation flag
DLA_P_I	partner current DLA (iaa7/iaa18) - value (incl. imputed
DLA_P_T	partner current DLA (iaa7/iaa18) - imputation flag
DLA_R_I	current DLA (iaa7/iaa18) - value (incl. imputed values)
DLA_R_T	current DLA (iaa7/iaa18) - imputation flag
FARMI_BU_I	BU inc from farm or business property (iafba) - value (i
FARMI_BU_T	BU inc from farm or business property (iafba) - imputati
GALL_P_I	partner current Guardian's All (iaa28/iaa38) - value (in
GALL_P_T	partner current Guardian's All (iaa28/iaa38) - imputatio
GALL_R_I	current Guardian's All (iaa28/iaa38) - value (incl. impu
GALL_R_T	current Guardian's All (iaa28/iaa38) - imputation flag
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira) - imputat
ICB_P_I	partner current incapacity benefit (iaa1/iaa12) - value
ICB_P_T	partner current incapacity benefit (iaa1/iaa12) - imputa
ICB_R_I	current incapacity benefit (iaa1/iaa12) - value (incl. i
ICB_R_T	current incapacity benefit (iaa1/iaa12) - imputation fla
INDINJ_P_I	partner current ind inj benefit (iaa8/iaa19) - value (in
INDINJ_P_T	partner current ind inj benefit (iaa8/iaa19) - imputatio
INDINJ_R_I	current ind inj benefit (iaa8/iaa19) - value (incl. impu
INDINJ_R_T	current ind inj benefit (iaa8/iaa19) - imputation flag
ISAI_BU_I	BU interest from ISA (iaisad) - value (incl. imputed val
ISAI_BU_T	BU interest from ISA (iaisad) - imputation flag
IS_P_I	prtnr current income support/MIG (iaa24/iaa34) - value (
IS_P_T	prtnr current income support/MIG (iaa24/iaa34) - imputat
IS_R_I	current income support/MIG (iaa23/iaa33) - value (incl.
IS_R_T	current income support/MIG (iaa23/iaa33) - imputation fl
JSA_P_I	partner current JSA (iaa27/iaa37) - value (incl. imputed
JSA_P_T	partner current JSA (iaa27/iaa37) - imputation flag
JSA_R_I	current JSA (iaa27/iaa37) - value (incl. imputed values)
JSA_R_T	current JSA (iaa27/iaa37) - imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdn) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdn) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OJ_P_I	partner inc from subsid jobs (wpesj/wpesjm) - value (inc
OJ_P_T	partner inc from subsid jobs (wpesj/wpesjm) - imputation
OJ_R_I	inc from subsid jobs (wpesj/wpesjm) - value (incl. imput
OJ_R_T	inc from subsid jobs (wpesj/wpesjm) - imputation flag
OTHPAY_P_I	prtnr total oth reg payments (iaregm/iapam2) - value (in
OTHPAY_P_T	prtnr total oth reg payments (iaregm/iapam2) - imputatio
OTHPAY_R_I	total other regular payments (iaregm/iapam2) - value (in
OTHPAY_R_T	total other regular payments (iaregm/iapam2) - imputatio
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PC_P_I	partner current pension credit (iaa25/iaa35) - value (i
PC_P_T	partner current pension credit (iaa25/iaa35) - imputati
PC_R_I	current pension credit (iaa25/iaa35) - value (incl. impu
PC_R_T	current pension credit (iaa25/iaa35) - imputation flag
PEPI_BU_I	BU income from PEPs (iaipi) - value (incl. imputed value
PEPI_BU_T	BU income from PEPs (iaipi) - imputation flag
PPINC_BU_S	BU tot annuitised income (priv pen + oth annuity income)

PPINC\_BU\_T BU tot annuitised income (priv pen + oth annuity income)  
 PRBONDSI\_BU\_I BU prize money from Premium Bonds (ianpbp) - value (incl  
 PRBONDSI\_BU\_T BU prize money from Premium Bonds (ianpbp) - imputation  
 SAVEI\_BU\_I BU interest from current/savings a/cs (iasint) - value (  
 SAVEI\_BU\_T BU interest from current/savings a/cs (iasint) - imputat  
 SDA\_P\_I partner current SDA (iaa3/iaa14) - value (incl. imputed  
 SDA\_P\_T partner current SDA (iaa3/iaa14) - imputation flag  
 SDA\_R\_I current SDA (iaa3/iaa14) - value (incl. imputed values)  
 SDA\_R\_T current SDA (iaa3/iaa14) - imputation flag  
 SEDRAW\_BU\_I BU self-emp drawings (wpbi) - value (incl. imputed value  
 SEDRAW\_BU\_T BU self-emp drawings (wpbi) - imputation flag  
 SHARESI\_BU\_I BU income from Shares (iasssi) - value (incl. imputed va  
 SHARESI\_BU\_T BU income from Shares (iasssi) - imputation flag  
 SPEN\_P\_I partner state pension income (iapam/iappam) - value (in  
 SPEN\_P\_T partner state pension income (iapam/iappam) - imputatio  
 SPEN\_R\_I state pension income (iapam/iappam) - value (incl. imput  
 SPEN\_R\_T state pension income (iapam/iappam) - imputation flag  
 SSP\_P\_I partner current SSP (iaa4/iaa15) - value (incl. imputed  
 SSP\_P\_T partner current SSP (iaa4/iaa15) - imputation flag  
 SSP\_R\_I current SSP (iaa4/iaa15) - value (incl. imputed values)  
 SSP\_R\_T current SSP (iaa4/iaa15) - imputation flag  
 TESSAI\_BU\_I BU interest from TESSA (iatii) - value (incl. imputed va  
 TESSAI\_BU\_T BU interest from TESSA (iatii) - imputation flag  
 THP\_P\_I partner take-home pay last time (wpthp) - value (incl. i  
 THP\_P\_T partner take-home pay last time (wpthp) - imputation fla  
 THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
 THP\_R\_T take-home pay last time (wpthp) - imputation flag  
 TRUSTSI\_BU\_I BU income from Trusts (iauiti) - value (incl. imputed va  
 TRUSTSI\_BU\_T BU income from Trusts (iauiti) - imputation flag  
 WAR\_P\_I partner current war pensions (iaa9/iaa20) - value (incl.  
 WAR\_P\_T partner current war pensions (iaa9/iaa20) - imputation f  
 WAR\_R\_I current war pensions (iaa9/iaa20) - value (incl. imputed  
 WAR\_R\_T current war pensions (iaa9/iaa20) - imputation flag  
 WIDPEN\_P\_I partner current Widow's pension (iaa29/iaa39 - value (in  
 WIDPEN\_P\_T partner current Widow's pension (iaa29/iaa39 - imputatio  
 WIDPEN\_R\_I current Widow's pension (iaa29/iaa39) - value (incl. imp  
 WIDPEN\_R\_T current Widow's pension (iaa29/iaa39) - imputation flag  
 WTC\_P\_I partner current WTC (iaa26/iaa36) - value (incl. imputed  
 WTC\_P\_T partner current WTC (iaa26/iaa36) - imputation flag  
 WTC\_R\_I current WTC (iaa26/iaa36) - value (incl. imputed values)  
 WTC\_R\_T current WTC (iaa26/iaa36) - imputation flag

## Wave 9 Financial:

ATTALL\_P\_I partner current att allowance (iaa5/iaa16) - value (incl  
 ATTALL\_P\_T partner current att allowance (iaa5/iaa16) - imputation  
 ATTALL\_R\_I current attendance allowance (iaa5/iaa16) - value (incl.  
 ATTALL\_R\_T current attendance allowance (iaa5/iaa16) - imputation f  
 BONDSI\_BU\_I BU income from Bonds and Gilts (iabgi) - value (incl. im  
 BONDSI\_BU\_T BU income from Bonds and Gilts (iabgi) - imputation flag  
 CARERS\_P\_I partner current invalid care all (iaa10/iaa21) - value (  
 CARERS\_P\_T partner current invalid care all (iaa10/iaa21) - imputat  
 CARERS\_R\_I current invalid care all (iaa10/iaa21) - value (incl. im  
 CARERS\_R\_T current invalid care all (iaa10/iaa21) - imputation flag  
 CB\_P\_I partner current Child Benefit (iaa30/iaa40) - value (inc  
 CB\_P\_T partner current Child Benefit (iaa30/iaa40) - imputation  
 CB\_R\_I current Child Benefit (iaa30/iaa40) - value (incl. imput  
 CB\_R\_T current Child Benefit (iaa30/iaa40) - imputation flag  
 CTC\_P\_I partner current Child Tax Credit (iaa31/iaa41) - value (  
 CTC\_P\_T partner current Child Tax Credit (iaa31/iaa41) - imputat  
 CTC\_R\_I current Child Tax Credit (iaa28/iaa37) - value (incl. im  
 CTC\_R\_T current Child Tax Credit (iaa28/iaa37) - imputation flag  
 DLA\_P\_I partner current DLA (iaa7/iaa18) - value (incl. imputed  
 DLA\_P\_T partner current DLA (iaa7/iaa18) - imputation flag  
 DLA\_R\_I current DLA (iaa7/iaa18) - value (incl. imputed values)

DLA_R_T	current DLA (iaa7/iaa18) - imputation flag
FARMI_BU_I	BU inc from farm or business property (iafba) - value (i
FARMI_BU_T	BU inc from farm or business property (iafba) - imputati
GALL_P_I	partner current Guardian's All (iaa28/iaa38) - value (in
GALL_P_T	partner current Guardian's All (iaa28/iaa38) - imputatio
GALL_R_I	current Guardian's All (iaa28/iaa38) - value (incl. impu
GALL_R_T	current Guardian's All (iaa28/iaa38) - imputation flag
HOMEI_BU_I	BU rent from 2nd home and oth property (iaira) - value (
HOMEI_BU_T	BU rent from 2nd home and oth property (iaira) - imputat
ICB_P_I	partner current incapacity benefit (iaa1/iaa12) - value
ICB_P_T	partner current incapacity benefit (iaa1/iaa12) - imputa
ICB_R_I	current incapacity benefit (iaa1/iaa12) - value (incl. i
ICB_R_T	current incapacity benefit (iaa1/iaa12) - imputation fla
INDINJ_P_I	partner current ind inj benefit (iaa8/iaa19) - value (in
INDINJ_P_T	partner current ind inj benefit (iaa8/iaa19) - imputatio
INDINJ_R_I	current ind inj benefit (iaa8/iaa19) - value (incl. impu
INDINJ_R_T	current ind inj benefit (iaa8/iaa19) - imputation flag
ISAI_BU_I	BU interest from ISA (iaisad) - value (incl. imputed val
ISAI_BU_T	BU interest from ISA (iaisad) - imputation flag
IS_P_I	prtnr current income support/MIG (iaa24/iaa34) - value (
IS_P_T	prtnr current income support/MIG (iaa24/iaa34) - imputat
IS_R_I	current income support/MIG (iaa23/iaa33) - value (incl.
IS_R_T	current income support/MIG (iaa23/iaa33) - imputation fl
JSA_P_I	partner current JSA (iaa27/iaa37) - value (incl. imputed
JSA_P_T	partner current JSA (iaa27/iaa37) - imputation flag
JSA_R_I	current JSA (iaa27/iaa37) - value (incl. imputed values)
JSA_R_T	current JSA (iaa27/iaa37) - imputation flag
NETPROF_BU_I	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - value (i
NETPROF_BU_T	BU self-emp profit (wpprof/wppl/wpbdtd/wpbdni) - imputati
NSAVI_BU_I	BU interest from National Savings a/cs (iansi) - value (
NSAVI_BU_T	BU interest from National Savings a/cs (iansi) - imputat
OJ_P_I	partner inc from subsid jobs (wpesj/wpesjm) - value (inc
OJ_P_T	partner inc from subsid jobs (wpesj/wpesjm) - imputation
OJ_R_I	inc from subsid jobs (wpesj/wpesjm) - value (incl. imput
OJ_R_T	inc from subsid jobs (wpesj/wpesjm) - imputation flag
OTHPAY_P_I	prtnr total oth reg payments (iaregm/iapam2) - value (in
OTHPAY_P_T	prtnr total oth reg payments (iaregm/iapam2) - imputatio
OTHPAY_R_I	total other regular payments (iaregm/iapam2) - value (in
OTHPAY_R_T	total other regular payments (iaregm/iapam2) - imputatio
OTHSAVI_BU_I	BU income from other savings (iasioi) - value (incl. imp
OTHSAVI_BU_T	BU income from other savings (iasioi) - imputation flag
PC_P_I	partner current pension credit (iaa25/iaa35) - value (i
PC_P_T	partner current pension credit (iaa25/iaa35) - imputati
PC_R_I	current pension credit (iaa25/iaa35) - value (incl. impu
PC_R_T	current pension credit (iaa25/iaa35) - imputation flag
PPINC_BU_S	BU tot annuitised income (priv pen + oth annuity income)
PPINC_BU_T	BU tot annuitised income (priv pen + oth annuity income)
PRBONDSI_BU_I	BU prize money from Premium Bonds (ianpbp) - value (incl
PRBONDSI_BU_T	BU prize money from Premium Bonds (ianpbp) - imputation
SAVEI_BU_I	BU interest from current/savings a/cs (iasint) - value (
SAVEI_BU_T	BU interest from current/savings a/cs (iasint) - imputat
SDA_P_I	partner current SDA (iaa3/iaa14) - value (incl. imputed
SDA_P_T	partner current SDA (iaa3/iaa14) - imputation flag
SDA_R_I	current SDA (iaa3/iaa14) - value (incl. imputed values)
SDA_R_T	current SDA (iaa3/iaa14) - imputation flag
SEDRAW_BU_I	BU self-emp drawings (wpbi) - value (incl. imputed value
SEDRAW_BU_T	BU self-emp drawings (wpbi) - imputation flag
SHARESI_BU_I	BU income from Shares (iasssi) - value (incl. imputed va
SHARESI_BU_T	BU income from Shares (iasssi) - imputation flag
SPEN_P_I	partner state pension income (iapam/iappam) - value (in
SPEN_P_T	partner state pension income (iapam/iappam) - imputatio
SPEN_R_I	state pension income (iapam/iappam) - value (incl. imput
SPEN_R_T	state pension income (iapam/iappam) - imputation flag

SSP\_P\_I partner current SSP (iaa4/iaa15) - value (incl. imputed  
SSP\_P\_T partner current SSP (iaa4/iaa15) - imputation flag  
SSP\_R\_I current SSP (iaa4/iaa15) - value (incl. imputed values)  
SSP\_R\_T current SSP (iaa4/iaa15) - imputation flag  
THP\_P\_I partner take-home pay last time (wpthp) - value (incl. i  
THP\_P\_T partner take-home pay last time (wpthp) - imputation fla  
THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
THP\_R\_T take-home pay last time (wpthp) - imputation flag  
TRUSTSI\_BU\_I BU income from Trusts (iauiti) - value (incl. imputed va  
TRUSTSI\_BU\_T BU income from Trusts (iauiti) - imputation flag  
WAR\_P\_I partner current war pensions (iaa9/iaa20) - value (incl.  
WAR\_P\_T partner current war pensions (iaa9/iaa20) - imputation f  
WAR\_R\_I current war pensions (iaa9/iaa20) - value (incl. imputed  
WAR\_R\_T current war pensions (iaa9/iaa20) - imputation flag  
WIDPEN\_P\_I partner current Widow's pension (iaa29/iaa39 - value (in  
WIDPEN\_P\_T partner current Widow's pension (iaa29/iaa39 - imputatio  
WIDPEN\_R\_I current Widow's pension (iaa29/iaa39) - value (incl. imp  
WIDPEN\_R\_T current Widow's pension (iaa29/iaa39) - imputation flag  
WTC\_P\_I partner current WTC (iaa26/iaa36) - value (incl. imputed  
WTC\_P\_T partner current WTC (iaa26/iaa36) - imputation flag  
WTC\_R\_I current WTC (iaa26/iaa36) - value (incl. imputed values)  
WTC\_R\_T current WTC (iaa26/iaa36) - imputation flag



<b>Food Consumption</b>
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Wave	Variable	Label	Type
1	HH1CFoodI	hh1cfoodi:w1 hhold weekly food consumption in house	Cont
2	HH2CFoodI	hh2cfoodi:w2 hhold weekly food consumption in house	Cont
3	HH3CFoodI	hh3cfoodi:w3 hhold weekly food consumption in house	Cont
4	HH4CFoodI	hh4cfoodi:w4 hhold weekly food consumption in house	Cont
5	HH5CFoodI	hh5cfoodi:w5 hhold weekly food consumption in house	Cont
6	HH6CFoodI	hh6cfoodi:w6 hhold weekly food consumption in house	Cont
7	HH7CFoodI	hh7cfoodi:w7 hhold weekly food consumption in house	Cont
8	HH8CFoodI	hh8cfoodi:w8 hhold weekly food consumption in house	Cont
9	HH9CFoodI	hh9cfoodi:w9 hhold weekly food consumption in house	Cont
1	HH1CFoodO1M	hh1cfoodo1m:w1 hhold monthly food consumption outside house	Cont
2	HH2CFoodO1M	hh2cfoodo1m:w2 hhold monthly food consumption outside house	Cont
3	HH3CFoodO1M	hh3cfoodo1m:w3 hhold monthly food consumption outside house	Cont
4	HH4CFoodO1M	hh4cfoodo1m:w4 hhold monthly food consumption outside house	Cont
5	HH5CFoodO1M	hh5cfoodo1m:w5 hhold monthly food consumption outside house	Cont
6	HH6CFoodO1M	hh6cfoodo1m:w6 hhold monthly food consumption outside house	Cont
7	HH7CFoodO1M	hh7cfoodo1m:w7 hhold monthly food consumption outside house	Cont
8	HH8CFoodO1M	hh8cfoodo1m:w8 hhold monthly food consumption outside house	Cont
9	HH9CFoodO1M	hh9cfoodo1m:w9 hhold monthly food consumption outside house	Cont
1	HH1CFood1M	hh1cfood1m:w1 hhold total monthly food consumption	Cont
2	HH2CFood1M	hh2cfood1m:w2 hhold total monthly food consumption	Cont
3	HH3CFood1M	hh3cfood1m:w3 hhold total monthly food consumption	Cont
4	HH4CFood1M	hh4cfood1m:w4 hhold total monthly food consumption	Cont
5	HH5CFood1M	hh5cfood1m:w5 hhold total monthly food consumption	Cont
6	HH6CFood1M	hh6cfood1m:w6 hhold total monthly food consumption	Cont
7	HH7CFood1M	hh7cfood1m:w7 hhold total monthly food consumption	Cont
8	HH8CFood1M	hh8cfood1m:w8 hhold total monthly food consumption	Cont
9	HH9CFood1M	hh9cfood1m:w9 hhold total monthly food consumption	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
HH1CFoodI	11698	57.33	29.84	0.00	400.00
HH2CFoodI	9218	58.01	30.67	0.00	500.00
HH3CFoodI	9424	63.08	34.08	0.00	400.00
HH4CFoodI	10723	68.91	38.80	0.00	700.00
HH5CFoodI	9993	76.83	54.79	0.00	850.00
HH6CFoodI	10301	81.42	58.85	0.00	800.00
HH7CFoodI	9396	80.60	56.41	0.00	1125.00
HH8CFoodI	8226	75.71	46.26	0.00	800.00
HH9CFoodI	8509	80.88	53.57	0.00	1200.00
HH1CFoodO1M	11886	11.75	20.08	0.00	500.00
HH2CFoodO1M	9347	40.30	63.67	0.00	800.00
HH3CFoodO1M	9617	46.52	72.28	0.00	1000.00
HH4CFoodO1M	10936	48.15	70.21	0.00	1200.00
HH5CFoodO1M	10165	53.24	73.59	0.00	1000.00
HH6CFoodO1M	10492	59.03	80.91	0.00	1800.00
HH7CFoodO1M	9579	65.90	95.28	0.00	2000.00
HH8CFoodO1M	8370	68.42	100.04	0.00	2500.00
HH9CFoodO1M	8641	77.18	103.27	0.00	2500.00
HH1CFood1M	11626	260.62	136.55	0.00	1838.10
HH2CFood1M	9173	292.22	164.87	0.00	2272.62
HH3CFood1M	9374	320.99	186.13	0.00	2238.10

HH4CFOOD1M	10685	347.88	199.77	0.00	3141.67
HH5CFOOD1M	9971	387.38	264.36	0.00	3793.45
HH6CFOOD1M	10262	412.92	283.24	0.00	3576.19
HH7CFOOD1M	9367	416.41	279.37	0.00	5013.40
HH8CFOOD1M	8211	397.46	245.11	0.00	3476.19
HH9CFOOD1M	8483	428.90	274.62	0.00	5314.29

## How Constructed

HHwCFOODI represents the typical weekly amount spent by the household on food consumed at home in nominal pounds. The household respondent is asked, "Now thinking about your household's weekly food bills, approximately how much do you usually spend in total on food and groceries - include all food, bread, milk, soft drinks, and meals on wheels. Exclude pet food, alcohol, cigarettes and meals out?" Don't know, refuse, and other missing responses of HHwCFOODI are assigned special missing codes .d, .r, .m, respectively. If the value is missing because the interview was by proxy, HHwCFOODI is set to .p. HHwCFOODI is set to plain missing (.) for respondents who did not respond to the current wave.

HHwCFOOD01M represents the typical monthly amount spent by the household on food consumed outside of the home in nominal pounds. The respondent is asked, "Approximately how much do you usually spend in a week in total on takeaways and food consumed out of the home - include all food consumed out of home e.g. restaurants, meals consumed at the workplace, etc?" The value given is adjusted and provided by ELSA as a monthly equivalent. Don't know, refuse, and other missing responses of HHwCFOOD01M are assigned special missing codes .d, .r, .m, respectively. If the value is missing because the interview was by proxy, HHwCFOOD01M is set to .p. HHwCFOOD01M is set to plain missing (.) for respondents who did not respond to the current wave.

HHwCFOOD1M represents the total typical monthly amount spent by the household on food consumption in nominal pounds. HHwCFOOD1M is defined as:  $(HHwCFOODI * 4.34524) + HHwCFOOD01M$ . Don't know, refuse, and other missing responses of HHwCFOOD1M are assigned special missing codes .d, .r, .m, respectively. If the value is missing because the interview was by proxy, HHwCFOOD1M is set to .p. HHwCFOOD1M is set to plain missing (.) for respondents who did not respond to the current wave.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

The HRS does not have an equivalent variable.

## ELSA Variables Used

### Wave 1 Core:

HOFOOD hh spending on food and groceries: approximately how much  
 HOOUTF hh spending on takeaways and food out of the home: approx

### Wave 2 Core:

HOFOOD HH Spending on food and groceries in last 4 weeks  
 HOOUTF HH Spending on food out of home in last 4 weeks

### Wave 3 Core:

HOFOOD hh spending on food and groceries in last 4 weeks  
 HOOUTF hh spending on food out of home in last 4 weeks

### Wave 4 Core:

HOFOOD hh spending on food and groceries in last 4 weeks  
 HOOUTF hh spending on food out of home in last 4 weeks

### Wave 5 Core:

HOFOOD HH Spending on food and groceries in last 4 weeks  
 HOOUTF HH Spending on food out of home in last 4 weeks

### Wave 6 Core:

HOFOOD hh spending on food and groceries in last 4 weeks  
 HOOUTF hh spending on food out of home in last 4 weeks

### Wave 7 Core:

HOFOOD hh spending on food and groceries in last 4 weeks

HOOUTF	hh spending on food out of home in last 4 weeks
Wave 8 Core:	
HOFOOD	hh usual weekly spend on food and groceries
HOOUTF	hh usual monthly spend on food out of home
Wave 9 Core:	
HOFOOD	Hh usual weekly spend on food and groceries
HOOUTF	Hh usual monthly spend on food out of home

<b>Monthly Non-Food Consumption</b>
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Wave	Variable	Label	Type
2	HH2CCLO1M	hh2cclo1m:w2 hhold monthly clothing exp	Cont
3	HH3CCLO1M	hh3cclo1m:w3 hhold monthly clothing exp	Cont
4	HH4CCLO1M	hh4cclo1m:w4 hhold monthly clothing exp	Cont
5	HH5CCLO1M	hh5cclo1m:w5 hhold monthly clothing exp	Cont
6	HH6CCLO1M	hh6cclo1m:w6 hhold monthly clothing exp	Cont
7	HH7CCLO1M	hh7cclo1m:w7 hhold monthly clothing exp	Cont
8	HH8CCLO1M	hh8cclo1m:w8 hhold monthly clothing exp	Cont
9	HH9CCLO1M	hh9cclo1m:w9 hhold monthly clothing exp	Cont
2	HH2CLEI1M	hh2clei1m:w2 hhold monthly leisure exp	Cont
4	HH4CLEI1M	hh4clei1m:w4 hhold monthly leisure exp	Cont
5	HH5CLEI1M	hh5clei1m:w5 hhold monthly leisure exp	Cont
6	HH6CLEI1M	hh6clei1m:w6 hhold monthly leisure exp	Cont
7	HH7CLEI1M	hh7clei1m:w7 hhold monthly leisure exp	Cont
8	HH8CLEI1M	hh8clei1m:w8 hhold monthly leisure exp	Cont
9	HH9CLEI1M	hh9clei1m:w9 hhold monthly leisure exp	Cont
1	HH1CRENT	hh1crent:w1 hhold monthly rent	Cont
2	HH2CRENT	hh2crent:w2 hhold monthly rent	Cont
3	HH3CRENT	hh3crent:w3 hhold monthly rent	Cont
4	HH4CRENT	hh4crent:w4 hhold monthly rent	Cont
5	HH5CRENT	hh5crent:w5 hhold monthly rent	Cont
6	HH6CRENT	hh6crent:w6 hhold monthly rent	Cont
7	HH7CRENT	hh7crent:w7 hhold monthly rent	Cont
8	HH8CRENT	hh8crent:w8 hhold monthly rent	Cont
9	HH9CRENT	hh9crent:w9 hhold monthly rent	Cont
2	HH2CUTIL	hh2cutil:w2 hhold monthly utility/fuel	Cont
3	HH3CUTIL	hh3cutil:w3 hhold monthly utility/fuel	Cont
4	HH4CUTIL	hh4cutil:w4 hhold monthly utility/fuel	Cont
5	HH5CUTIL	hh5cutil:w5 hhold monthly utility/fuel	Cont
6	HH6CUTIL	hh6cutil:w6 hhold monthly utility/fuel	Cont
7	HH7CUTIL	hh7cutil:w7 hhold monthly utility/fuel	Cont
8	HH8CUTIL	hh8cutil:w8 hhold monthly utility/fuel	Cont
9	HH9CUTIL	hh9cutil:w9 hhold monthly utility/fuel	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
HH2CCLO1M	9321	66.35	130.88	0.00	2400.00
HH3CCLO1M	9588	80.34	157.48	0.00	4500.00
HH4CCLO1M	10887	72.21	134.93	0.00	3500.00
HH5CCLO1M	10126	74.53	138.11	0.00	3000.00
HH6CCLO1M	10424	79.10	151.92	0.00	4000.00
HH7CCLO1M	9532	84.86	178.69	0.00	4500.00
HH8CCLO1M	8355	82.94	180.19	0.00	6000.00
HH9CCLO1M	8611	82.84	164.93	0.00	4000.00
HH2CLEI1M	9354	56.11	173.73	0.00	5500.00
HH4CLEI1M	10906	59.20	147.21	0.00	4000.00
HH5CLEI1M	10138	60.22	143.10	0.00	3500.00
HH6CLEI1M	10399	66.04	146.93	0.00	5200.00
HH7CLEI1M	9530	70.51	183.07	0.00	9000.00
HH8CLEI1M	8311	80.11	186.67	0.00	8000.00
HH9CLEI1M	8587	85.84	163.87	0.00	4700.00

HH1CRENT	11944	3793.70	38207.90	0.00	434799.47
HH2CRENT	9346	2767.64	32398.72	0.00	434799.47
HH3CRENT	9574	3098.89	33941.24	0.00	434799.47
HH4CRENT	10851	3025.65	34298.47	0.00	434799.47
HH5CRENT	10099	1828.77	25910.00	0.00	434799.47
HH6CRENT	10422	2118.20	27575.19	0.00	434799.47
HH7CRENT	9503	2193.01	29052.40	0.00	434799.47
HH8CRENT	8298	1743.10	25090.55	0.00	434799.47
HH9CRENT	8589	1762.90	25685.95	0.00	434799.47
HH2CUTIL	8550	60.80	38.35	0.00	444.66
HH3CUTIL	8738	80.89	53.07	0.00	923.00
HH4CUTIL	9879	98.15	61.99	0.00	800.00
HH5CUTIL	9178	105.59	61.91	0.00	903.13
HH6CUTIL	9528	115.53	68.50	0.00	999.00
HH7CUTIL	8674	118.47	66.15	0.00	900.00
HH8CUTIL	7621	106.34	63.72	0.00	960.00
HH9CUTIL	7853	114.60	67.11	0.00	950.00

## How Constructed

HHwCCL01M represents the monthly amount spent by the household on clothing in nominal pounds. The respondent is asked, "Thinking of the last four weeks, approximately how much did you or a member of this household spend on clothes, including outerwear, underwear, footwear and accessories?" Don't know, refuse, and other missing responses of HHwCCL01M are assigned special missing codes .d, .r, .m, respectively. HHwCCL01M is set to special missing .p if the consumption questions were skipped because the interview was by proxy. HHwCCL01M is set to plain missing (.) for respondents who did not respond to the current wave.

HHwCLEI1M represents the monthly amount spent by the household on leisure activities in nominal pounds. The respondent is asked, "Again, thinking of the last four weeks, approximately how much did you or a member of this household spend on leisure activities, other than eating out, of the kind listed on this card?" The respondent is then shown a card that lists the following activities: "The cost of any visits to the cinema, theatre, sports, bingo etc, in the last four weeks (including any expenses whilst out)" and "Any payments that have been made in the last four weeks on: subscriptions to sports and social clubs and societies; fees for day or evening classes; subscriptions to the internet, cable, or satellite; TV licences and rentals." Don't know, refuse, and other missing responses of HHwCLEI1M are assigned special missing codes .d, .r, .m, respectively. HHwCLEI1M is set to special missing .p if the consumption questions were skipped because the interview was by proxy. HHwCLEI1M is set to plain missing (.) for respondents who did not respond to the current wave.

HHwCRENT represents the monthly amount spent by the household on rent in nominal pounds. HHwCRENT is set to 0 if the household does not pay rent, as a result of owning the home, living rent free, or squatting. Don't know, refuse, and other missing responses of HHwCRENT are assigned special missing codes .d, .r, .m, respectively. HHwCRENT is set to special missing .p if the rent questions were skipped because the interview was by proxy. HHwCRENT is set to plain missing (.) for respondents who did not respond to the current wave.

HHwCUTIL represents the monthly amount spent by the household on utilities/fuel in nominal pounds. Respondents reported whether they used any of the following types of utilities/fuels: electricity, gas, coal, paraffin, oil, wood, and other. For each utility/fuel the respondent reported using within the household, the respondent was asked the average amount spent during the winter and the summer. The amount spent for winter and summer are averaged, and HHwCUTIL represents the sum of each type of utility/fuel used per month. Don't know, refuse, and other missing responses of HHwCUTIL are assigned special missing codes .d, .r, .m, respectively. HHwCUTIL is set to special missing .p if these questions were skipped because the interview was by proxy. HHwCUTIL is set to plain missing (.) for respondents who did not respond to the current wave.

## Cross Wave Differences in ELSA

The amount spent by the household on clothing is asked starting at Wave 2. In Waves 2 and forward, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The

question wording, bracket amounts and entry points are the same in all waves in which the question is asked.

The amount spent by the household on leisure activities is asked starting at Wave 2. This question is not asked in Wave 3, but is asked again starting in Wave 4. In Waves 2 and 4 and forward, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The question wording, bracket amounts and entry points are the same in all waves in which the question is asked.

The amount spent by the household on rent is asked at each wave. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked based on the reported frequency of rent payments (1 week, 2 weeks, 3 weeks, 4 weeks, calendar month, 2 calendar months, 8 times a year, 9 times a year, 10 times a year, 3 months, 6 months, 1 year, less than 1 week, lump sum). The question wording, bracket amounts and entry points are the same in all waves. In addition, all waves include checks for the case the respondent reports spending more than £300 in 1 week, more than £600 in 2 weeks, more than £1200 in 4 weeks or 1 calendar month, or more than £15000 in 3 weeks, 2 months, 3 months, 6 months, 8 times a year, 9 times a year, 10 times a year, less than 1 week or as a lump sum.

The amount spent by the household on utilities/fuel is asked starting at Wave 2. In all waves, if the respondent refuses or does not know the value, a series of unfolding bracket questions are asked based on the utility type and reported frequency of payment (weekly, monthly, quarterly). The question wording, bracket amounts and entry points are the same in all waves in which the question is asked.

### Differences with the RAND HRS/Harmonized HRS

The HRS does not have equivalent variables.

### ELSA Variables Used

#### Wave 1 Core:

ASKPX1	whether interviewed by proxy
HOBAS	on what basis is person 1 living here?
HOPERI	thinking about your last rent payment, what period did t
HORENT	how much was your last rent payment (including any servi
HOTENU	in which of these ways does your household occupy this a

#### Wave 2 Core:

ASKPX1	Whether interviewed by proxy
HOCL	HH Spending on clothing and footwear in last 4 weeks
HOEBMS	Monthly electricity bill - summer
HOEBMW	Monthly electricity bill - winter
HOEBQS	Quarterly electricity bill - summer
HOEBQW	Quarterly electricity bill - winter
HOEDM	Monthly direct debit - electricity
HOEDQ	Quarterly direct debit - electricity
HOEOS	Average wkly elec payment - summer
HOEOW	Average wkly elec payment - winter
HOEPAY	Method used to pay for electricity
HOEPS	Average wkly elec meter payment - summer
HOEPW	Average wkly elec meter payment - winter
HOFB	Is your gas and electricity bill monthly or quarterly?
HOFBMS	Monthly gas and electricity bill in summer?
HOFBMW	Monthly gas and elec bill - winter
HOFBQS	Quarterly gas and elec bill - summer
HOFBQW	Quarterly gas and elec bill - winter
HOFBQW	Quarterly gas and elec bill - winter
HOFCS	Wkly amt spent on coal/smokeless fuel - summer
HOFWC	Wkly amt spent on coal/smokeless fuel - winter
HOFD	Is your gas and electricity direct debit monthly or quar
HOFDM	Monthly gas and elec direct debit
HOFDQ	Quarterly gas and elec direct debit
HOFOIS	Wkly amt spent on oil - summer
HOFOIW	Wkly amt spent on oil - winter
HOFOS	Average wkly gas and elec payment - summer

HOFOW Average wkly gas and elec payment - winter  
 HOFPAY Method used to pay for gas and electricity  
 HOFPGS Wkly amt spent on paraffin/bottled gas - summer  
 HOFPGW Wkly amt spent on paraffin/bottled gas - winter  
 HOFPW Average wkly gas and elec meter payment - winter  
 HOFSM Monthly Staywarm payment - gas and elec  
 HOFSP Is Staywarm payment weekly, monthly or quarterly? - gas  
 HOFSQ Quarterly Staywarm payment - gas and elec  
 HOFSUP Gets gas and electricity from same or different supplier  
 HOFSW Weekly Staywarm payment - gas and elec  
 HOFTOG Pays for gas and electricity together or separately  
 HOFUEL1 Fuels used in household for heating or other purpose (1s  
 HOFUEL2 Fuels used in household for heating or other purpose (2n  
 HOFUEL3 Fuels used in household for heating or other purpose (3r  
 HOFUEL4 Fuels used in household for heating or other purpose (4t  
 HOFUEL5 Fuels used in household for heating or other purpose (5t  
 HOFWS Wkly amt spent on wood - summer  
 HOFWW Wkly amt spent on wood - winter  
 HOFXS Wkly amt spent on other fuel - summer  
 HOFXS Wkly amt spent on other fuel - summer  
 HOGBMS Monthly gas bill - summer  
 HOGBMW Monthly gas bill - winter  
 HOGBP Is your gas bill monthly or quarterly?  
 HOGBQS Quarterly gas bill - summer  
 HOGBQW Quarterly gas bill - winter  
 HOGD Is your gas direct debit monthly or quarterly?  
 HOGDM How much is your monthly direct debit for your gas?  
 HOGDQ How much is your quarterly direct debit for your gas?  
 HOGOS Average wkly gas payment - summer  
 HOGOW Average wkly gas payment - winter  
 HOGPAY Method used to pay for gas  
 HOGPS Average wkly gas meter payment - summer  
 HOGPW Average wkly gas meter payment - winter  
 HOLEIS HH Spending on leisure in last 4 weeks  
 HOPERI Last rent payment - period covered  
 HORENT Last rent payment (including any services or charges but  
 HOTENU Tenure

## Wave 3 Core:

ASKPX whether respondent had a proxy interview  
 HOCL hh spending on clothing and footwear in last 4 weeks  
 HOEBMS monthly electricity bill - summer  
 HOEBMW monthly electricity bill - winter  
 HOEBQS quarterly electricity bill - summer  
 HOEBQW quarterly electricity bill - winter  
 HOEDM monthly direct debit - electricity  
 HOEDQ quarterly direct debit - electricity  
 HOEOS average wkly elec payment - summer  
 HOEOW average wkly elec payment - winter  
 HOEPAY method used to pay for electricity  
 HOEPS average wkly elec meter payment - summer  
 HOEPW average wkly elec meter payment - winter  
 HOFB is your gas and electricity bill monthly or quarterly?  
 HOFBMS monthly gas and electricity bill in summer?  
 HOFBMW monthly gas and elec bill - winter  
 HOFBMW monthly gas and elec bill - winter  
 HOFBQS quarterly gas and elec bill - summer  
 HOFBQW quarterly gas and elec bill - winter  
 HOFBQW quarterly gas and elec bill - winter  
 HOFCS wkly amt spent on coal/smokeless fuel - summer  
 HOFCW wkly amt spent on coal/smokeless fuel - winter  
 HOFD is your gas and electricity direct debit monthly or quar  
 HOFDM monthly gas and elec direct debit  
 HOFDQ quarterly gas and elec direct debit

HOF0IS wkly amt spent on oil - summer  
 HOF0IW wkly amt spent on oil - winter  
 HOF0S average wkly gas and elec payment - summer  
 HOF0W average wkly gas and elec payment - winter  
 HOFPAY method used to pay for gas and electricity  
 HOFPGS wkly amt spent on paraffin/bottled gas - summer  
 HOFPGW wkly amt spent on paraffin/bottled gas - winter  
 HOFPS average wkly gas and elec meter payment - summer  
 HOFPW average wkly gas and elec meter payment - winter  
 HOFSM monthly staywarm payment - gas and elec  
 HOFSP is staywarm payment weekly, monthly or quarterly? - gas  
 HOFSQ quarterly staywarm payment - gas and elec  
 HOFSUP gets gas and electricity from same or different supplier  
 HOFSW weekly staywarm payment - gas and elec  
 HOFTOG pays for gas and electricity together or separately  
 HOFUEL95 fuels used in household for heating or other purpose - o  
 HOFUELCO fuels used in household for heating or other purpose - c  
 HOFUELEL fuels used in household for heating or other purpose - e  
 HOFUELGA fuels used in household for heating or other purpose - m  
 HOFUELOI fuels used in household for heating or other purpose - o  
 HOFUELPA fuels used in household for heating or other purpose - p  
 HOFUELWO fuels used in household for heating or other purpose - w  
 HOFWS wkly amt spent on wood - summer  
 HOFWW wkly amt spent on wood - winter  
 HOFXS wkly amt spent on other fuel - summer  
 HOFXW wkly amt spent on other fuel - winter  
 HOGBMS monthly gas bill - summer  
 HOGBMW monthly gas bill - winter  
 HOGBP is your gas bill monthly or quarterly?  
 HOGBQS quarterly gas bill - summer  
 HOGBQW quarterly gas bill - winter  
 HOGD is your gas direct debit monthly or quarterly?  
 HOGDM how much is your monthly direct debit for your gas?  
 HOGDQ how much is your quarterly direct debit for your gas?  
 HOGOS average wkly gas payment - summer  
 HOGOW average wkly gas payment - winter  
 HOGPAY method used to pay for gas  
 HOGPS average wkly gas meter payment - summer  
 HOGPW average wkly gas meter payment - winter  
 HOPERI last rent payment - period covered  
 HORENT last rent payment (including any services or charges but  
 HOTENU tenure

## Wave 4 Core:

ASKPX whether respondent had an interview by proxy  
 HOCL hh spending on clothing and footwear in last 4 weeks  
 HOEBMS monthly electricity bill - summer  
 HOEBMW monthly electricity bill - winter  
 HOEBQS quarterly electricity bill - summer  
 HOEBQW quarterly electricity bill - winter  
 HOEDM monthly direct debit - electricity  
 HOEDQ quarterly direct debit - electricity  
 HOEOS average wkly elec payment - summer  
 HOEOW average wkly elec payment - winter  
 HOEPAY method used to pay for electricity  
 HOEPS average wkly elec meter payment - summer  
 HOEPW average wkly elec meter payment - winter  
 HOFB is your gas and electricity bill monthly or quarterly?  
 HOFBMS monthly gas and electricity bill in summer?  
 HOFBMW monthly gas and elec bill - winter  
 HOFBMW monthly gas and elec bill - winter  
 HOFBQS quarterly gas and elec bill - summer  
 HOFBQW quarterly gas and elec bill - winter  
 HOFBQW quarterly gas and elec bill - winter



HOFCS wkly amt spent on coal/smokeless fuel - summer  
 HOF CW wkly amt spent on coal/smokeless fuel - winter  
 HOFD is your gas and electricity direct debit monthly or quar  
 HOFDM monthly gas and elec direct debit  
 HOFDQ quarterly gas and elec direct debit  
 HOF OIS wkly amt spent on oil - summer  
 HOF OIW wkly amt spent on oil - winter  
 HOFOS average wkly gas and elec payment - summer  
 HOFOW average wkly gas and elec payment - winter  
 HOFPAY method used to pay for gas and electricity  
 HOFPGS wkly amt spent on paraffin/bottled gas - summer  
 HOFPGW wkly amt spent on paraffin/bottled gas - winter  
 HOFPS average wkly gas and elec meter payment - summer  
 HOFPW average wkly gas and elec meter payment - winter  
 HOFSM monthly staywarm payment - gas and elec  
 HOFSP is staywarm payment weekly, monthly or quarterly? - gas  
 HOF SQ quarterly staywarm payment - gas and elec  
 HOF SUP gets gas and electricity from same or different supplier  
 HOF SW weekly staywarm payment - gas and elec  
 HOF TOG pays for gas and electricity together or separately  
 HOFUEL95 fuels used in household for heating or other purpose - o  
 HOFUELCO fuels used in household for heating or other purpose - c  
 HOFUELEL fuels used in household for heating or other purpose - e  
 HOFUELGA fuels used in household for heating or other purpose - m  
 HOFUELOI fuels used in household for heating or other purpose - o  
 HOFUELPA fuels used in household for heating or other purpose - p  
 HOFUELWO fuels used in household for heating or other purpose - w  
 HOFWS wkly amt spent on wood - summer  
 HOFWW wkly amt spent on wood - winter  
 HOFXS wkly amt spent on other fuel - summer  
 HOFXW wkly amt spent on other fuel - winter  
 HOGBMS monthly gas bill - summer  
 HOGBMW monthly gas bill - winter  
 HOGBP is your gas bill monthly or quarterly?  
 HOGBQS quarterly gas bill - summer  
 HOGBQW quarterly gas bill - winter  
 HOGD is your gas direct debit monthly or quarterly?  
 HOGDM how much is your monthly direct debit for your gas?  
 HOGDQ how much is your quarterly direct debit for your gas?  
 HOGOS average wkly gas payment - summer  
 HOGOW average wkly gas payment - winter  
 HOGPAY method used to pay for gas  
 HOGPS average wkly gas meter payment - summer  
 HOGPW average wkly gas meter payment - winter  
 HOPERI last rent payment - period covered  
 HORENT last rent payment (including any services or charges but  
 HOTENU tenure

## Wave 5 Core:

ASKPX Whether respondent had an interview by proxy  
 HOCL HH Spending on clothing and footwear in last 4 weeks  
 HOEBMS Monthly electricity bill - summer  
 HOEBMW Monthly electricity bill - winter  
 HOEBQS Quarterly electricity bill - summer  
 HOEBQW Quarterly electricity bill - winter  
 HOEDM Monthly direct debit - electricity  
 HOEDQ Quarterly direct debit - electricity  
 HOEOS Average wkly elec payment - summer  
 HOEOW Average wkly elec payment - winter  
 HOEPAY Method used to pay for electricity  
 HOEPS Average wkly elec meter payment - summer  
 HOEPW Average wkly elec meter payment - winter  
 HOFB Is your gas and electricity bill monthly or quarterly?  
 HOFBMS Monthly gas and electricity bill in summer?

HOFBMW Monthly gas and elec bill - winter  
 HOFBMW Monthly gas and elec bill - winter  
 HOFBQS Quarterly gas and elec bill - summer  
 HOFBQW Quarterly gas and elec bill - winter  
 HOFBQW Quarterly gas and elec bill - winter  
 HOFCS Wkly amt spent on coal/smokeless fuel - summer  
 HOFCW Wkly amt spent on coal/smokeless fuel - winter  
 HOFD Is your gas and electricity direct debit monthly or quar  
 HOFDM Monthly gas and elec direct debit  
 HOFDQ Quarterly gas and elec direct debit  
 HOFOIS Wkly amt spent on oil - summer  
 HOFOIW Wkly amt spent on oil - winter  
 HOFOS Average wkly gas and elec payment - summer  
 HOFOW Average wkly gas and elec payment - winter  
 HOFPAY Method used to pay for gas and electricity  
 HOFPGS Wkly amt spent on paraffin/bottled gas - summer  
 HOFPGW Wkly amt spent on paraffin/bottled gas - winter  
 HOFPS Average wkly gas and elec meter payment - summer  
 HOFPW Average wkly gas and elec meter payment - winter  
 HOFSM Monthly Staywarm payment - gas and elec  
 HOFSP Is Staywarm payment weekly, monthly or quarterly? - gas  
 HOFSQ Quarterly Staywarm payment - gas and elec  
 HOFSUP Gets gas and electricity from same or different supplier  
 HOFSW Weekly Staywarm payment - gas and elec  
 HOFTOG Pays for gas and electricity together or separately  
 HOFUEL95 Fuels used in household for heating or other purpose - o  
 HOFUELCO Fuels used in household for heating or other purpose - c  
 HOFUELEL Fuels used in household for heating or other purpose - e  
 HOFUELGA Fuels used in household for heating or other purpose - m  
 HOFUELOI Fuels used in household for heating or other purpose - o  
 HOFUELPA Fuels used in household for heating or other purpose - p  
 HOFUELWO Fuels used in household for heating or other purpose - w  
 HOFWS Wkly amt spent on wood - summer  
 HOFWW Wkly amt spent on wood - winter  
 HOFXS Wkly amt spent on other fuel - summer  
 HOFXW Wkly amt spent on other fuel - winter  
 HOGBMS Monthly gas bill - summer  
 HOGBMW Monthly gas bill - winter  
 HOGBP Is your gas bill monthly or quarterly?  
 HOGBQS Quarterly gas bill - summer  
 HOGBQW Quarterly gas bill - winter  
 HOGD Is your gas direct debit monthly or quarterly?  
 HOGDM How much is your monthly direct debit for your gas?  
 HOGDQ How much is your quarterly direct debit for your gas?  
 HOGOS Average wkly gas payment - summer  
 HOGOW Average wkly gas payment - winter  
 HOGPAY Method used to pay for gas  
 HOGPS Average wkly gas meter payment - summer  
 HOGPW Average wkly gas meter payment - winter  
 HOPERI Last rent payment - period covered  
 HORENT Last rent payment (including any services or charges but  
 HOTENU Tenure

## Wave 6 Core:

ASKPX whether respondent had an interview by proxy  
 HOCL hh spending on clothing and footwear in last 4 weeks  
 HOEBMS monthly electricity bill - summer  
 HOEBMW monthly electricity bill - winter  
 HOEBQS quarterly electricity bill - summer  
 HOEBQW quarterly electricity bill - winter  
 HOEDM monthly direct debit - electricity  
 HOEDQ quarterly direct debit - electricity  
 HOEOS average wkly elec payment - summer  
 HOEOW average wkly elec payment - winter

HOEPAY	method used to pay for electricity
HOEPS	average wkly elec meter payment - summer
HOEPW	average wkly elec meter payment - winter
HOFB	is your gas and electricity bill monthly or quarterly?
HOFBMS	monthly gas and electricity bill in summer?
HOFBMW	monthly gas and elec bill - winter
HOFBMW	monthly gas and elec bill - winter
HOFBQS	quarterly gas and elec bill - summer
HOFBQW	quarterly gas and elec bill - winter
HOFBQW	quarterly gas and elec bill - winter
HOFCS	wkly amt spent on coal/smokeless fuel - summer
HOFCS	wkly amt spent on coal/smokeless fuel - winter
HOFD	is your gas and electricity direct debit monthly or quar
HOFDM	monthly gas and elec direct debit
HOFDQ	quarterly gas and elec direct debit
HOFOIS	wkly amt spent on oil - summer
HOFOIS	wkly amt spent on oil - winter
HOFOS	average wkly gas and elec payment - summer
HOFOW	average wkly gas and elec payment - winter
HOFPAY	method used to pay for gas and electricity
HOFPGS	wkly amt spent on paraffin/bottled gas - summer
HOFPGW	wkly amt spent on paraffin/bottled gas - winter
HOFPS	average wkly gas and elec meter payment - summer
HOFPW	average wkly gas and elec meter payment - winter
HOFSM	monthly staywarm payment - gas and elec
HOFSP	is staywarm payment weekly, monthly or quarterly? - gas
HOFSQ	quarterly staywarm payment - gas and elec
HOFSUP	gets gas and electricity from same or different supplier
HOFSW	weekly staywarm payment - gas and elec
HOFTOG	pays for gas and electricity together or separately
HOFUEL95	fuels used in household for heating or other purpose - o
HOFUELCO	fuels used in household for heating or other purpose - c
HOFUELEL	fuels used in household for heating or other purpose - e
HOFUELGA	fuels used in household for heating or other purpose - m
HOFUELOI	fuels used in household for heating or other purpose - o
HOFUELPA	fuels used in household for heating or other purpose - p
HOFUELWO	fuels used in household for heating or other purpose - w
HOFWS	wkly amt spent on wood - summer
HOFWW	wkly amt spent on wood - winter
HOFXS	wkly amt spent on other fuel - summer
HOFXW	wkly amt spent on other fuel - winter
HOGBMS	monthly gas bill - summer
HOGBMW	monthly gas bill - winter
HOGBP	is your gas bill monthly or quarterly?
HOGBQS	quarterly gas bill - summer
HOGBQW	quarterly gas bill - winter
HOGD	is your gas direct debit monthly or quarterly?
HOGDM	how much is your monthly direct debit for your gas?
HOGDQ	how much is your quarterly direct debit for your gas?
HOGOS	average wkly gas payment - summer
HOGOW	average wkly gas payment - winter
HOGPAY	method used to pay for gas
HOGPS	average wkly gas meter payment - summer
HOGPW	average wkly gas meter payment - winter
HOLEIS	spending on leisure activities in last 4 weeks
HOPERI	last rent payment - period covered
HORENT	last rent payment (including any services or charges but
HOTENU	tenure
Wave 7 Core:	
ASKPX	whether respondent had an interview by proxy
HOCL	hh spending on clothing and footwear in last 4 weeks
HOEBMS	monthly electricity bill - summer
HOEBMW	monthly electricity bill - winter

HOEBQS quarterly electricity bill - summer  
 HOEBQW quarterly electricity bill - winter  
 HOEDM monthly direct debit - electricity  
 HOEDQ quarterly direct debit - electricity  
 HOEOS average wkly elec payment - summer  
 HOEOW average wkly elec payment - winter  
 HOEPAY method used to pay for electricity  
 HOEPS average wkly elec meter payment - summer  
 HOEPW average wkly elec meter payment - winter  
 HOFB is your gas and electricity bill monthly or quarterly?  
 HOFBMS monthly gas and electricity bill in summer?  
 HOFBMW monthly gas and elec bill - winter  
 HOFBMW monthly gas and elec bill - winter  
 HOFBQS quarterly gas and elec bill - summer  
 HOFBQW quarterly gas and elec bill - winter  
 HOFBQW quarterly gas and elec bill - winter  
 HOFCS wkly amt spent on coal/smokeless fuel - summer  
 HOFCW wkly amt spent on coal/smokeless fuel - winter  
 HOFD is your gas and electricity direct debit monthly or quar  
 HOFDM monthly gas and elec direct debit  
 HOFDQ quarterly gas and elec direct debit  
 HOFOIS wkly amt spent on oil - summer  
 HOFOIW wkly amt spent on oil - winter  
 HOFOS average wkly gas and elec payment - summer  
 HOFOW average wkly gas and elec payment - winter  
 HOFPAY method used to pay for gas and electricity  
 HOFPGS wkly amt spent on paraffin/bottled gas - summer  
 HOFPGW wkly amt spent on paraffin/bottled gas - winter  
 HOFPS average wkly gas and elec meter payment - summer  
 HOFPW average wkly gas and elec meter payment - winter  
 HOFSM monthly staywarm payment - gas and elec  
 HOFSP is staywarm payment weekly, monthly or quarterly? - gas  
 HOFSQ quarterly staywarm payment - gas and elec  
 HOFSUP gets gas and electricity from same or different supplier  
 HOFWS weekly staywarm payment - gas and elec  
 HOFTOG pays for gas and electricity together or separately  
 HOFUEL95 fuels used in household for heating or other purpose - o  
 HOFUELCO fuels used in household for heating or other purpose - c  
 HOFUELEL fuels used in household for heating or other purpose - e  
 HOFUELGA fuels used in household for heating or other purpose - m  
 HOFUELOI fuels used in household for heating or other purpose - o  
 HOFUELPA fuels used in household for heating or other purpose - p  
 HOFUELWO fuels used in household for heating or other purpose - w  
 HOFWS wkly amt spent on wood - summer  
 HOFWW wkly amt spent on wood - winter  
 HOFXS wkly amt spent on other fuel - summer  
 HOFXW wkly amt spent on other fuel - winter  
 HOGBMS monthly gas bill - summer  
 HOGBMW monthly gas bill - winter  
 HOGBP is your gas bill monthly or quarterly?  
 HOGBQS quarterly gas bill - summer  
 HOGBQW quarterly gas bill - winter  
 HOGD is your gas direct debit monthly or quarterly?  
 HOGDM how much is your monthly direct debit for your gas?  
 HOGDQ how much is your quarterly direct debit for your gas?  
 HOGOS average wkly gas payment - summer  
 HOGOW average wkly gas payment - winter  
 HOGPAY method used to pay for gas  
 HOGPS average wkly gas meter payment - summer  
 HOGPW average wkly gas meter payment - winter  
 HOLEIS spending on leisure activities in last 4 weeks  
 HOPERI last rent payment - period covered  
 HORENT last rent payment (including any services or charges but

HOTENU	tenure
Wave 8 Core:	
ASKPX	computed: whether respondent had an interview by proxy
HOCL	hh spending on clothing and footwear in last 4 weeks
HOEBMS	monthly electricity bill in the summer
HOEBMW	monthly electricity bill in the winter
HOEBQS	quarterly electricity bill in the summer
HOEBQW	quarterly electricity bill in the winter
HOEDM	monthly direct debit for electricity
HOEDQ	quarterly direct debit - electricity
HOEOS	average wkly elec payment in the summer
HOEOW	average wkly elec payment in the winter
HOEPAY	method used to pay for electricity
HOEPS	average wkly elec meter payment in the summer
HOEPW	average wkly elec meter payment in the winter
HOFB	whether gas and electricity bill is monthly or quarterly
HOFBMS	monthly gas and electricity bill in the summer
HOFBMW	monthly gas and elec bill in the winter
HOFBMW	monthly gas and elec bill in the winter
HOFBQS	quarterly gas and elec bill in the summer
HOFBQW	quarterly gas and elec bill in the winter
HOFBQW	quarterly gas and elec bill in the winter
HOFCS	wkly amt spent on coal/smokeless fuel in the summer
HOFCW	wkly amt spent on coal/smokeless fuel in the winter
HOFD	whether gas and electricity direct debit monthly or quar
HOFDM	monthly gas and elec direct debit
HOFDQ	quarterly gas and elec direct debit
HOFOIS	wkly amt spent on oil in the summer
HOFOIW	wkly amt spent on oil in the winter
HOFOS	average wkly gas and elec payment in the summer
HOFOW	average wkly gas and elec payment in the winter
HOFPAY	method used to pay for gas and electricity
HOFPGS	wkly amt spent on paraffin/bottled gas in the summer
HOFPGW	wkly amt spent on paraffin/bottled gas in the winter
HOFPS	average wkly gas and elec meter payment in the summer
HOFPW	average wkly gas and elec meter payment in the winter
HOFSM	monthly staywarm payment: gas and elec
HOFSP	whether staywarm payment weekly, monthly or quarterly: g
HOFSQ	quarterly staywarm payment: gas and elec
HOFSUP	whether gets gas and electricity from same or different
HOFSW	weekly staywarm payment: gas and elec
HOFTOG	whether pays for gas and electricity together or separat
HOFUEL95	fuels used in household for heating or other purpose: ot
HOFUELCO	fuels used in household for heating or other purpose: co
HOFUELEL	fuels used in household for heating or other purpose: el
HOFUELGA	fuels used in household for heating or other purpose: ma
HOFUELOI	fuels used in household for heating or other purpose: oi
HOFUELPA	fuels used in household for heating or other purpose: pa
HOFUELWO	fuels used in household for heating or other purpose: wo
HOFWS	wkly amt spent on wood in the summer
HOFWW	wkly amt spent on wood in the winter
HOFXS	wkly amt spent on other fuel in the summer
HOFXW	wkly amt spent on other fuel in the winter
HOGBMS	monthly gas bill in the summer
HOGBMW	monthly gas bill in the winter
HOGBP	whether gas bill is monthly or quarterly
HOGBQS	quarterly gas bill in the summer
HOGBQW	quarterly gas bill in the winter
HOGD	whether gas direct debit is monthly or quarterly
HOGDM	monthly direct debit for gas
HOGDQ	quarterly direct debit for gas
HOGOS	average wkly gas payment in the summer
HOGOW	average wkly gas payment in the winter

HOGPAY	method used to pay for gas
HOGPS	average wkly gas meter payment in the summer
HOGPW	average wkly gas meter payment in the winter
HOLEIS	spending on leisure activities in last 4 weeks
HOPERI	last rent payment: period covered
HORENT	last rent payment (including services or charges but aft
HOTENU	tenure
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy
HOCL	Hh spending on clothing and footwear in last 4 weeks
HOEBMS	Monthly electricity bill in the summer
HOEBMW	Monthly electricity bill in the winter
HOEBQS	Quarterly electricity bill in the summer
HOEBQW	Quarterly electricity bill in the winter
HOEDM	Monthly direct debit for electricity
HOEDQ	Quarterly direct debit - electricity
HOEOS	Average wkly elec payment in the summer
HOEOW	Average wkly elec payment in the winter
HOEPAY	Method used to pay for electricity
HOEPS	Average wkly elec meter payment in the summer
HOEPW	Average wkly elec meter payment in the winter
HOFB	Whether gas and electricity bill is monthly or quarterly
HOFBMS	Monthly gas and electricity bill in the summer
HOFBMW	Monthly gas and elec bill in the winter
HOFBMW	Monthly gas and elec bill in the winter
HOFBQS	Quarterly gas and elec bill in the summer
HOFBQW	Quarterly gas and elec bill in the winter
HOFBQW	Quarterly gas and elec bill in the winter
HOFCS	Wkly amt spent on coal/smokeless fuel in the summer
HOFCW	Wkly amt spent on coal/smokeless fuel in the winter
HOFD	Whether gas and electricity direct debit monthly or quar
HOFDM	Monthly gas and elec direct debit
HOFDQ	Quarterly gas and elec direct debit
HOFOIS	Wkly amt spent on oil in the summer
HOFIOW	Wkly amt spent on oil in the winter
HOFOS	Average wkly gas and elec payment in the summer
HOFOW	Average wkly gas and elec payment in the winter
HOFPAY	Method used to pay for gas and electricity
HOFPGS	Wkly amt spent on paraffin/bottled gas in the summer
HOFPGW	Wkly amt spent on paraffin/bottled gas in the winter
HOFPS	Average wkly gas and elec meter payment in the summer
HOFPW	Average wkly gas and elec meter payment in the winter
HOFSM	Monthly staywarm payment: gas and elec
HOFSP	Whether staywarm payment weekly, monthly or quarterly: g
HOFSQ	Quarterly staywarm payment: gas and elec
HOFSUP	Whether gets gas and electricity from same or different
HOFSW	Weekly staywarm payment: gas and elec
HOFTOG	Whether pays for gas and electricity together or separat
HOFUEL95	Fuels used in household for heating or other purpose: ot
HOFUELCO	Fuels used in household for heating or other purpose: co
HOFUELEL	Fuels used in household for heating or other purpose: el
HOFUELGA	Fuels used in household for heating or other purpose: ma
HOFUELOI	Fuels used in household for heating or other purpose: oi
HOFUELPA	Fuels used in household for heating or other purpose: pa
HOFUELWO	Fuels used in household for heating or other purpose: wo
HOFWS	Wkly amt spent on wood in the summer
HOFWW	Wkly amt spent on wood in the winter
HOFXS	Wkly amt spent on other fuel in the summer
HOFXW	Wkly amt spent on other fuel in the winter
HOGBMS	Monthly gas bill in the summer
HOGBMW	Monthly gas bill in the winter
HOGBP	Whether gas bill is monthly or quarterly
HOGBQS	Quarterly gas bill in the summer

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HGOBQW	Quarterly gas bill in the winter
HOGD	Whether gas direct debit is monthly or quarterly
HOGDM	Monthly direct debit for gas
HOGDQ	Quarterly direct debit for gas
HOGOS	Average wkly gas payment in the summer
HOGOW	Average wkly gas payment in the winter
HOGPAY	Method used to pay for gas
HOGPS	Average wkly gas meter payment in the summer
HOGPW	Average wkly gas meter payment in the winter
HOLEIS	Spending on leisure activities in last 4 weeks
HOPERI	Last rent payment: period covered
HORENT	Last rent payment (including services or charges but aft
HOTENU	Tenure

<b>Monthly Total Consumption</b>
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Wave	Variable	Label	Type
2	HH2CTOT1M	hh2ctot1m:w2 hhold total monthly consumption	Cont
3	HH3CTOT1M	hh3ctot1m:w3 hhold total monthly consumption	Cont
4	HH4CTOT1M	hh4ctot1m:w4 hhold total monthly consumption	Cont
5	HH5CTOT1M	hh5ctot1m:w5 hhold total monthly consumption	Cont
6	HH6CTOT1M	hh6ctot1m:w6 hhold total monthly consumption	Cont
7	HH7CTOT1M	hh7ctot1m:w7 hhold total monthly consumption	Cont
8	HH8CTOT1M	hh8ctot1m:w8 hhold total monthly consumption	Cont
9	HH9CTOT1M	hh9ctot1m:w9 hhold total monthly consumption	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
HH2CTOT1M	8285	3250.48	32445.78	32.38	435673.63
HH3CTOT1M	8406	3365.02	32717.51	52.44	435404.56
HH4CTOT1M	9504	3679.44	34601.98	0.00	435640.09
HH5CTOT1M	8877	2559.71	26757.34	21.73	435963.66
HH6CTOT1M	9175	2764.74	27138.12	0.00	436015.91
HH7CTOT1M	8360	2756.04	27889.04	53.33	435846.66
HH8CTOT1M	7385	2553.03	26071.18	0.00	436075.22
HH9CTOT1M	7590	2506.47	25858.30	0.00	435674.44

### How Constructed

HHwCTOT1M represents the total typical monthly amount spent by the household in nominal pounds. HHwCTOT1M is equal to the sum of HHwCFOOD1M, HHwCCLO1M, HHwCLEI1M, HHwCRENT, and HHwCUTIL in Waves 2 and 4 and onward. HHwCTOT1M is equal to the sum of HHwCFOOD1M, HHwCCLO1M, HHwCRENT, and HHwCUTIL in Wave 3. If any of the components of HHwCTOT1M are assigned don't know, refuse, and other missing responses, then HHwCTOT1M is assigned the special missing codes .d, .r, .m, respectively. If the value is missing because the interview was by proxy, HHwCTOT1M is set to .p. HHwCTOT1M is set to plain missing (.) for respondents who did not respond to the current wave.

### Cross Wave Differences in ELSA

HHwCTOT1M is only available starting in Wave 2.

### Differences with the RAND HRS/Harmonized HRS

The HRS does not have an equivalent variable.

### ELSA Variables Used

Wave 2 Core:

ASKPX1	Whether interviewed by proxy
HOCL	HH Spending on clothing and footwear in last 4 weeks
HOEBMS	Monthly electricity bill - summer
HOEBMW	Monthly electricity bill - winter
HOEBQS	Quarterly electricity bill - summer
HOEBQW	Quarterly electricity bill - winter
HOEDM	Monthly direct debit - electricity
HOEDQ	Quarterly direct debit - electricity
HOEOS	Average wkly elec payment - summer
HOEOW	Average wkly elec payment - winter
HOEPAY	Method used to pay for electricity
HOEPS	Average wkly elec meter payment - summer
HOEPW	Average wkly elec meter payment - winter



HOFB	Is your gas and electricity bill monthly or quarterly?
HOFBMS	Monthly gas and electricity bill in summer?
HOFBMW	Monthly gas and elec bill - winter
HOFBQS	Quarterly gas and elec bill - summer
HOFBQW	Quarterly gas and elec bill - winter
HOFBQW	Quarterly gas and elec bill - winter
HOFCS	Wkly amt spent on coal/smokeless fuel - summer
HOF CW	Wkly amt spent on coal/smokeless fuel - winter
HOFD	Is your gas and electricity direct debit monthly or quar
HOFDM	Monthly gas and elec direct debit
HOFDQ	Quarterly gas and elec direct debit
HOF OIS	Wkly amt spent on oil - summer
HOF OIW	Wkly amt spent on oil - winter
HOF OOD	HH Spending on food and groceries in last 4 weeks
HOF OS	Average wkly gas and elec payment - summer
HOF OW	Average wkly gas and elec payment - winter
HOF PAY	Method used to pay for gas and electricity
HOF PGS	Wkly amt spent on paraffin/bottled gas - summer
HOF PGW	Wkly amt spent on paraffin/bottled gas - winter
HOF PW	Average wkly gas and elec meter payment - winter
HOF SM	Monthly Staywarm payment - gas and elec
HOF SP	Is Staywarm payment weekly, monthly or quarterly? - gas
HOF SQ	Quarterly Staywarm payment - gas and elec
HOF SUP	Gets gas and electricity from same or different supplier
HOF SW	Weekly Staywarm payment - gas and elec
HOF TOG	Pays for gas and electricity together or separately
HOFUEL1	Fuels used in household for heating or other purpose (1s
HOFUEL2	Fuels used in household for heating or other purpose (2n
HOFUEL3	Fuels used in household for heating or other purpose (3r
HOFUEL4	Fuels used in household for heating or other purpose (4t
HOFUEL5	Fuels used in household for heating or other purpose (5t
HOF WS	Wkly amt spent on wood - summer
HOF WW	Wkly amt spent on wood - winter
HOF XS	Wkly amt spent on other fuel - summer
HOF XS	Wkly amt spent on other fuel - summer
HOF BMS	Monthly gas bill - summer
HOF BMW	Monthly gas bill - winter
HOF BP	Is your gas bill monthly or quarterly?
HOF BQS	Quarterly gas bill - summer
HOF BQW	Quarterly gas bill - winter
HOF D	Is your gas direct debit monthly or quarterly?
HOF DM	How much is your monthly direct debit for your gas?
HOF DQ	How much is your quarterly direct debit for your gas?
HOF OS	Average wkly gas payment - summer
HOF OW	Average wkly gas payment - winter
HOF PAY	Method used to pay for gas
HOF PS	Average wkly gas meter payment - summer
HOF PW	Average wkly gas meter payment - winter
HOF LEIS	HH Spending on leisure in last 4 weeks
HOF OUTF	HH Spending on food out of home in last 4 weeks
HOF PERI	Last rent payment - period covered
HOF RENT	Last rent payment (including any services or charges but
HOF TENU	Tenure
Wave 3 Core:	
ASKPX	whether respondent had a proxy interview
HOCL	hh spending on clothing and footwear in last 4 weeks
HOEBMS	monthly electricity bill - summer
HOEBMW	monthly electricity bill - winter
HOEBQS	quarterly electricity bill - summer
HOEBQW	quarterly electricity bill - winter
HOEDM	monthly direct debit - electricity
HOEDQ	quarterly direct debit - electricity
HOEOS	average wkly elec payment - summer

HOEOW	average wkly elec payment - winter
HOEPAY	method used to pay for electricity
HOEPS	average wkly elec meter payment - summer
HOEPW	average wkly elec meter payment - winter
HOFB	is your gas and electricity bill monthly or quarterly?
HOFBMS	monthly gas and electricity bill in summer?
HOFBMW	monthly gas and elec bill - winter
HOFBMW	monthly gas and elec bill - winter
HOFBQS	quarterly gas and elec bill - summer
HOFBQW	quarterly gas and elec bill - winter
HOFBQW	quarterly gas and elec bill - winter
HOFCS	wkly amt spent on coal/smokeless fuel - summer
HOFCSW	wkly amt spent on coal/smokeless fuel - winter
HOFD	is your gas and electricity direct debit monthly or quar
HOFDM	monthly gas and elec direct debit
HOFDQ	quarterly gas and elec direct debit
HOFDIS	wkly amt spent on oil - summer
HOFDIW	wkly amt spent on oil - winter
HOFDOW	hh spending on food and groceries in last 4 weeks
HOFOS	average wkly gas and elec payment - summer
HOFOW	average wkly gas and elec payment - winter
HOFPAY	method used to pay for gas and electricity
HOFPGS	wkly amt spent on paraffin/bottled gas - summer
HOFPGW	wkly amt spent on paraffin/bottled gas - winter
HOFPS	average wkly gas and elec meter payment - summer
HOFPW	average wkly gas and elec meter payment - winter
HOFSM	monthly staywarm payment - gas and elec
HOFSP	is staywarm payment weekly, monthly or quarterly? - gas
HOFSQ	quarterly staywarm payment - gas and elec
HOFSUP	gets gas and electricity from same or different supplier
HOFSW	weekly staywarm payment - gas and elec
HOFTOG	pays for gas and electricity together or separately
HOFUEL95	fuels used in household for heating or other purpose - o
HOFUELCO	fuels used in household for heating or other purpose - c
HOFUELEL	fuels used in household for heating or other purpose - e
HOFUELGA	fuels used in household for heating or other purpose - m
HOFUELOI	fuels used in household for heating or other purpose - o
HOFUELPA	fuels used in household for heating or other purpose - p
HOFUELWO	fuels used in household for heating or other purpose - w
HOFWS	wkly amt spent on wood - summer
HOFWW	wkly amt spent on wood - winter
HOFXS	wkly amt spent on other fuel - summer
HOFXW	wkly amt spent on other fuel - winter
HOGBMS	monthly gas bill - summer
HOGBMW	monthly gas bill - winter
HOGBP	is your gas bill monthly or quarterly?
HOGBQS	quarterly gas bill - summer
HOGBQW	quarterly gas bill - winter
HOGD	is your gas direct debit monthly or quarterly?
HOGDM	how much is your monthly direct debit for your gas?
HOGDQ	how much is your quarterly direct debit for your gas?
HOGOS	average wkly gas payment - summer
HOGOW	average wkly gas payment - winter
HOGPAY	method used to pay for gas
HOGPS	average wkly gas meter payment - summer
HOGPW	average wkly gas meter payment - winter
HOOUTF	hh spending on food out of home in last 4 weeks
HOPERI	last rent payment - period covered
HORENT	last rent payment (including any services or charges but
HOTENU	tenure
Wave 4 Core:	
ASKPX	whether respondent had an interview by proxy
HOCL	hh spending on clothing and footwear in last 4 weeks

HOEBMS monthly electricity bill - summer  
 HOEBMW monthly electricity bill - winter  
 HOEBQS quarterly electricity bill - summer  
 HOEBQW quarterly electricity bill - winter  
 HOEDM monthly direct debit - electricity  
 HOEDQ quarterly direct debit - electricity  
 HOEOS average wkly elec payment - summer  
 HOEOW average wkly elec payment - winter  
 HOEPAY method used to pay for electricity  
 HOEPS average wkly elec meter payment - summer  
 HOEPW average wkly elec meter payment - winter  
 HOFB is your gas and electricity bill monthly or quarterly?  
 HOFBMS monthly gas and electricity bill in summer?  
 HOFBMW monthly gas and elec bill - winter  
 HOFBMW monthly gas and elec bill - winter  
 HOFBQS quarterly gas and elec bill - summer  
 HOFBQW quarterly gas and elec bill - winter  
 HOFBQW quarterly gas and elec bill - winter  
 HOFCS wkly amt spent on coal/smokeless fuel - summer  
 HOFCW wkly amt spent on coal/smokeless fuel - winter  
 HOFD is your gas and electricity direct debit monthly or quar  
 HOFDM monthly gas and elec direct debit  
 HOFDQ quarterly gas and elec direct debit  
 HOFOIS wkly amt spent on oil - summer  
 HOFOIW wkly amt spent on oil - winter  
 HOFODD hh spending on food and groceries in last 4 weeks  
 HOFOS average wkly gas and elec payment - summer  
 HOFOW average wkly gas and elec payment - winter  
 HOFPAY method used to pay for gas and electricity  
 HOFPGS wkly amt spent on paraffin/bottled gas - summer  
 HOFPGW wkly amt spent on paraffin/bottled gas - winter  
 HOFPS average wkly gas and elec meter payment - summer  
 HOFPW average wkly gas and elec meter payment - winter  
 HOFSM monthly staywarm payment - gas and elec  
 HOFSP is staywarm payment weekly, monthly or quarterly? - gas  
 HOFSQ quarterly staywarm payment - gas and elec  
 HOFSUP gets gas and electricity from same or different supplier  
 HOFSW weekly staywarm payment - gas and elec  
 HOFTOG pays for gas and electricity together or separately  
 HOFUEL95 fuels used in household for heating or other purpose - o  
 HOFUELCO fuels used in household for heating or other purpose - c  
 HOFUELEL fuels used in household for heating or other purpose - e  
 HOFUELGA fuels used in household for heating or other purpose - m  
 HOFUELOI fuels used in household for heating or other purpose - o  
 HOFUELPA fuels used in household for heating or other purpose - p  
 HOFUELWO fuels used in household for heating or other purpose - w  
 HOFWS wkly amt spent on wood - summer  
 HOFWW wkly amt spent on wood - winter  
 HOFXS wkly amt spent on other fuel - summer  
 HOFXW wkly amt spent on other fuel - winter  
 HOGBMS monthly gas bill - summer  
 HOGBMW monthly gas bill - winter  
 HOGBP is your gas bill monthly or quarterly?  
 HOGBQS quarterly gas bill - summer  
 HOGBQW quarterly gas bill - winter  
 HOGD is your gas direct debit monthly or quarterly?  
 HOGDM how much is your monthly direct debit for your gas?  
 HOGDQ how much is your quarterly direct debit for your gas?  
 HOGOS average wkly gas payment - summer  
 HOGOW average wkly gas payment - winter  
 HOGPAY method used to pay for gas  
 HOGPS average wkly gas meter payment - summer  
 HOGPW average wkly gas meter payment - winter

HOOUTF	hh spending on food out of home in last 4 weeks
HOPERI	last rent payment - period covered
HORENT	last rent payment (including any services or charges but
HOTENU	tenure
Wave 5 Core:	
ASKPX	Whether respondent had an interview by proxy
HOCL	HH Spending on clothing and footwear in last 4 weeks
HOEBMS	Monthly electricity bill - summer
HOEBMW	Monthly electricity bill - winter
HOEBQS	Quarterly electricity bill - summer
HOEBQW	Quarterly electricity bill - winter
HOEDM	Monthly direct debit - electricity
HOEDQ	Quarterly direct debit - electricity
HOEOS	Average wkly elec payment - summer
HOEOW	Average wkly elec payment - winter
HOEPAY	Method used to pay for electricity
HOEPS	Average wkly elec meter payment - summer
HOEPW	Average wkly elec meter payment - winter
HOFB	Is your gas and electricity bill monthly or quarterly?
HOFBMS	Monthly gas and electricity bill in summer?
HOFBMW	Monthly gas and elec bill - winter
HOFBMW	Monthly gas and elec bill - winter
HOFBQS	Quarterly gas and elec bill - summer
HOFBQW	Quarterly gas and elec bill - winter
HOFBQW	Quarterly gas and elec bill - winter
HOFCS	Wkly amt spent on coal/smokeless fuel - summer
HOFCW	Wkly amt spent on coal/smokeless fuel - winter
HOFD	Is your gas and electricity direct debit monthly or quar
HOFDM	Monthly gas and elec direct debit
HOFDQ	Quarterly gas and elec direct debit
HOFOIS	Wkly amt spent on oil - summer
HOFIOI	Wkly amt spent on oil - winter
HOFOD	HH Spending on food and groceries in last 4 weeks
HOFOS	Average wkly gas and elec payment - summer
HOFOW	Average wkly gas and elec payment - winter
HOFPAY	Method used to pay for gas and electricity
HOFPGS	Wkly amt spent on paraffin/bottled gas - summer
HOFPGW	Wkly amt spent on paraffin/bottled gas - winter
HOFPS	Average wkly gas and elec meter payment - summer
HOFPW	Average wkly gas and elec meter payment - winter
HOFSM	Monthly Staywarm payment - gas and elec
HOFSP	Is Staywarm payment weekly, monthly or quarterly? - gas
HOFSQ	Quarterly Staywarm payment - gas and elec
HOFSUP	Gets gas and electricity from same or different supplier
HOFSW	Weekly Staywarm payment - gas and elec
HOFTOG	Pays for gas and electricity together or separately
HOFUEL95	Fuels used in household for heating or other purpose - o
HOFUELCO	Fuels used in household for heating or other purpose - c
HOFUELEL	Fuels used in household for heating or other purpose - e
HOFUELGA	Fuels used in household for heating or other purpose - m
HOFUELOI	Fuels used in household for heating or other purpose - o
HOFUELPA	Fuels used in household for heating or other purpose - p
HOFUELWO	Fuels used in household for heating or other purpose - w
HOFWS	Wkly amt spent on wood - summer
HOFWW	Wkly amt spent on wood - winter
HOFXS	Wkly amt spent on other fuel - summer
HOFXW	Wkly amt spent on other fuel - winter
HOGBMS	Monthly gas bill - summer
HOGBMW	Monthly gas bill - winter
HOGBP	Is your gas bill monthly or quarterly?
HOGBQS	Quarterly gas bill - summer
HOGBQW	Quarterly gas bill - winter
HOGD	Is your gas direct debit monthly or quarterly?

HOGDM	How much is your monthly direct debit for your gas?
HOGDQ	How much is your quarterly direct debit for your gas?
HOGOS	Average wkly gas payment - summer
HOGOW	Average wkly gas payment - winter
HOGPAY	Method used to pay for gas
HOGPS	Average wkly gas meter payment - summer
HOGPW	Average wkly gas meter payment - winter
HOOUTF	HH Spending on food out of home in last 4 weeks
HOPERI	Last rent payment - period covered
HORENT	Last rent payment (including any services or charges but
HOTENU	Tenure
Wave 6 Core:	
ASKPX	whether respondent had an interview by proxy
HOCL	hh spending on clothing and footwear in last 4 weeks
HOEBMS	monthly electricity bill - summer
HOEBMW	monthly electricity bill - winter
HOEBQS	quarterly electricity bill - summer
HOEBQW	quarterly electricity bill - winter
HOEDM	monthly direct debit - electricity
HOEDQ	quarterly direct debit - electricity
HOEOS	average wkly elec payment - summer
HOEOW	average wkly elec payment - winter
HOEPAY	method used to pay for electricity
HOEPS	average wkly elec meter payment - summer
HOEPW	average wkly elec meter payment - winter
HOFB	is your gas and electricity bill monthly or quarterly?
HOFBMS	monthly gas and electricity bill in summer?
HOFBMW	monthly gas and elec bill - winter
HOFBMW	monthly gas and elec bill - winter
HOFBQS	quarterly gas and elec bill - summer
HOFBQW	quarterly gas and elec bill - winter
HOFBQW	quarterly gas and elec bill - winter
HOFCS	wkly amt spent on coal/smokeless fuel - summer
HOFCW	wkly amt spent on coal/smokeless fuel - winter
HOFD	is your gas and electricity direct debit monthly or quar
HOFDM	monthly gas and elec direct debit
HOFDQ	quarterly gas and elec direct debit
HOFOIS	wkly amt spent on oil - summer
HOFOIW	wkly amt spent on oil - winter
HOFOD	hh spending on food and groceries in last 4 weeks
HOFOS	average wkly gas and elec payment - summer
HOFOW	average wkly gas and elec payment - winter
HOFPAY	method used to pay for gas and electricity
HOFPGS	wkly amt spent on paraffin/bottled gas - summer
HOFPGW	wkly amt spent on paraffin/bottled gas - winter
HOFPS	average wkly gas and elec meter payment - summer
HOFPW	average wkly gas and elec meter payment - winter
HOFSM	monthly staywarm payment - gas and elec
HOFSP	is staywarm payment weekly, monthly or quarterly? - gas
HOFSQ	quarterly staywarm payment - gas and elec
HOFSUP	gets gas and electricity from same or different supplier
HOFSW	weekly staywarm payment - gas and elec
HOFTOG	pays for gas and electricity together or separately
HOFUEL95	fuels used in household for heating or other purpose - o
HOFUELCO	fuels used in household for heating or other purpose - c
HOFUELEL	fuels used in household for heating or other purpose - e
HOFUELGA	fuels used in household for heating or other purpose - m
HOFUELOI	fuels used in household for heating or other purpose - o
HOFUELPA	fuels used in household for heating or other purpose - p
HOFUELWO	fuels used in household for heating or other purpose - w
HOFWS	wkly amt spent on wood - summer
HOFWW	wkly amt spent on wood - winter
HOFXS	wkly amt spent on other fuel - summer

HOFXW	wkly amt spent on other fuel - winter
HOGBMS	monthly gas bill - summer
HOGBMW	monthly gas bill - winter
HOGBP	is your gas bill monthly or quarterly?
HOGBQS	quarterly gas bill - summer
HOGBQW	quarterly gas bill - winter
HOGD	is your gas direct debit monthly or quarterly?
HOGDM	how much is your monthly direct debit for your gas?
HOGDQ	how much is your quarterly direct debit for your gas?
HOGOS	average wkly gas payment - summer
HOGOW	average wkly gas payment - winter
HOGPAY	method used to pay for gas
HOGPS	average wkly gas meter payment - summer
HOGPW	average wkly gas meter payment - winter
HOLEIS	spending on leisure activities in last 4 weeks
HOOUTF	hh spending on food out of home in last 4 weeks
HOPERI	last rent payment - period covered
HORENT	last rent payment (including any services or charges but
HOTENU	tenure
Wave 7 Core:	
ASKPX	whether respondent had an interview by proxy
HOCL	hh spending on clothing and footwear in last 4 weeks
HOEBMS	monthly electricity bill - summer
HOEBMW	monthly electricity bill - winter
HOEBQS	quarterly electricity bill - summer
HOEBQW	quarterly electricity bill - winter
HOEDM	monthly direct debit - electricity
HOEDQ	quarterly direct debit - electricity
HOEOS	average wkly elec payment - summer
HOEOW	average wkly elec payment - winter
HOEPAY	method used to pay for electricity
HOEPS	average wkly elec meter payment - summer
HOEPW	average wkly elec meter payment - winter
HOFB	is your gas and electricity bill monthly or quarterly?
HOFBMS	monthly gas and electricity bill in summer?
HOFBMW	monthly gas and elec bill - winter
HOFBMW	monthly gas and elec bill - winter
HOFBQS	quarterly gas and elec bill - summer
HOFBQW	quarterly gas and elec bill - winter
HOFBQW	quarterly gas and elec bill - winter
HOFCS	wkly amt spent on coal/smokeless fuel - summer
HOF CW	wkly amt spent on coal/smokeless fuel - winter
HOFD	is your gas and electricity direct debit monthly or quar
HOFDM	monthly gas and elec direct debit
HOFDQ	quarterly gas and elec direct debit
HOF OIS	wkly amt spent on oil - summer
HOF OIW	wkly amt spent on oil - winter
HOF OOD	hh spending on food and groceries in last 4 weeks
HOFOS	average wkly gas and elec payment - summer
HOFOW	average wkly gas and elec payment - winter
HOFPAY	method used to pay for gas and electricity
HOFPGS	wkly amt spent on paraffin/bottled gas - summer
HOFPGW	wkly amt spent on paraffin/bottled gas - winter
HOFPS	average wkly gas and elec meter payment - summer
HOFPW	average wkly gas and elec meter payment - winter
HOF SM	monthly staywarm payment - gas and elec
HOF SP	is staywarm payment weekly, monthly or quarterly? - gas
HOF SQ	quarterly staywarm payment - gas and elec
HOF SUP	gets gas and electricity from same or different supplier
HOF SW	weekly staywarm payment - gas and elec
HOF TOG	pays for gas and electricity together or separately
HOFUEL95	fuels used in household for heating or other purpose - o
HOFUELCO	fuels used in household for heating or other purpose - c

HOFUELEL fuels used in household for heating or other purpose - e  
 HOFUELGA fuels used in household for heating or other purpose - m  
 HOFUELOI fuels used in household for heating or other purpose - o  
 HOFUELPA fuels used in household for heating or other purpose - p  
 HOFUELWO fuels used in household for heating or other purpose - w  
 HOFWS wkly amt spent on wood - summer  
 HOFWW wkly amt spent on wood - winter  
 HOFXS wkly amt spent on other fuel - summer  
 HOFXW wkly amt spent on other fuel - winter  
 HOGBMS monthly gas bill - summer  
 HOGBMW monthly gas bill - winter  
 HOGBP is your gas bill monthly or quarterly?  
 HOGBQS quarterly gas bill - summer  
 HOGBQW quarterly gas bill - winter  
 HOGD is your gas direct debit monthly or quarterly?  
 HOGDM how much is your monthly direct debit for your gas?  
 HOGDQ how much is your quarterly direct debit for your gas?  
 HOGOS average wkly gas payment - summer  
 HOGOW average wkly gas payment - winter  
 HOGPAY method used to pay for gas  
 HOGPS average wkly gas meter payment - summer  
 HOGPW average wkly gas meter payment - winter  
 HOLEIS spending on leisure activities in last 4 weeks  
 HOOUTF hh spending on food out of home in last 4 weeks  
 HOPERI last rent payment - period covered  
 HORENT last rent payment (including any services or charges but  
 HOTENU tenure

## Wave 8 Core:

ASKPX computed: whether respondent had an interview by proxy  
 HOCL hh spending on clothing and footwear in last 4 weeks  
 HOEBMS monthly electricity bill in the summer  
 HOEBMW monthly electricity bill in the winter  
 HOEBQS quarterly electricity bill in the summer  
 HOEBQW quarterly electricity bill in the winter  
 HOEDM monthly direct debit for electricity  
 HOEDQ quarterly direct debit - electricity  
 HOEOS average wkly elec payment in the summer  
 HOEOW average wkly elec payment in the winter  
 HOEPAY method used to pay for electricity  
 HOEPS average wkly elec meter payment in the summer  
 HOEPW average wkly elec meter payment in the winter  
 HOFB whether gas and electricity bill is monthly or quarterly  
 HOFBMS monthly gas and electricity bill in the summer  
 HOFBMW monthly gas and elec bill in the winter  
 HOFBMW monthly gas and elec bill in the winter  
 HOFBQS quarterly gas and elec bill in the summer  
 HOFBQW quarterly gas and elec bill in the winter  
 HOFBQW quarterly gas and elec bill in the winter  
 HOFCS wkly amt spent on coal/smokeless fuel in the summer  
 HOFCW wkly amt spent on coal/smokeless fuel in the winter  
 HOFD whether gas and electricity direct debit monthly or quar  
 HOFDM monthly gas and elec direct debit  
 HOFDQ quarterly gas and elec direct debit  
 HOFOIS wkly amt spent on oil in the summer  
 HOFOIW wkly amt spent on oil in the winter  
 HOFODD hh usual weekly spend on food and groceries  
 HOFOS average wkly gas and elec payment in the summer  
 HOFOW average wkly gas and elec payment in the winter  
 HOFPAY method used to pay for gas and electricity  
 HOFPGS wkly amt spent on paraffin/bottled gas in the summer  
 HOFPGW wkly amt spent on paraffin/bottled gas in the winter  
 HOFPS average wkly gas and elec meter payment in the summer  
 HOFPW average wkly gas and elec meter payment in the winter

HOFMS monthly staywarm payment: gas and elec  
 HOFSP whether staywarm payment weekly, monthly or quarterly: g  
 HOFSQ quarterly staywarm payment: gas and elec  
 HOFSUP whether gets gas and electricity from same or different  
 HOFSW weekly staywarm payment: gas and elec  
 HOFTOG whether pays for gas and electricity together or separat  
 HOFUEL95 fuels used in household for heating or other purpose: ot  
 HOFUELCO fuels used in household for heating or other purpose: co  
 HOFUELEL fuels used in household for heating or other purpose: el  
 HOFUELGA fuels used in household for heating or other purpose: ma  
 HOFUELOI fuels used in household for heating or other purpose: oi  
 HOFUELPA fuels used in household for heating or other purpose: pa  
 HOFUELWO fuels used in household for heating or other purpose: wo  
 HOFWS wkly amt spent on wood in the summer  
 HOFWW wkly amt spent on wood in the winter  
 HOFXS wkly amt spent on other fuel in the summer  
 HOFXW wkly amt spent on other fuel in the winter  
 HOGBMS monthly gas bill in the summer  
 HOGBMW monthly gas bill in the winter  
 HOGBP whether gas bill is monthly or quarterly  
 HOGBQS quarterly gas bill in the summer  
 HOGBQW quarterly gas bill in the winter  
 HOGD whether gas direct debit is monthly or quarterly  
 HOGDM monthly direct debit for gas  
 HOGDQ quarterly direct debit for gas  
 HOGOS average wkly gas payment in the summer  
 HOGOW average wkly gas payment in the winter  
 HOGPAY method used to pay for gas  
 HOGPS average wkly gas meter payment in the summer  
 HOGPW average wkly gas meter payment in the winter  
 HOLEIS spending on leisure activities in last 4 weeks  
 HOOUTF hh usual monthly spend on food out of home  
 HOPERI last rent payment: period covered  
 HORENT last rent payment (including services or charges but aft  
 HOTENU tenure

## Wave 9 Core:

ASKPX Computed: whether respondent had an interview by proxy  
 HOCL Hh spending on clothing and footwear in last 4 weeks  
 HOEBMS Monthly electricity bill in the summer  
 HOEBMW Monthly electricity bill in the winter  
 HOEBQS Quarterly electricity bill in the summer  
 HOEBQW Quarterly electricity bill in the winter  
 HOEDM Monthly direct debit for electricity  
 HOEDQ Quarterly direct debit - electricity  
 HOEOS Average wkly elec payment in the summer  
 HOEOW Average wkly elec payment in the winter  
 HOEPAY Method used to pay for electricity  
 HOEPS Average wkly elec meter payment in the summer  
 HOEPW Average wkly elec meter payment in the winter  
 HOFB Whether gas and electricity bill is monthly or quarterly  
 HOFBMS Monthly gas and electricity bill in the summer  
 HOFBMW Monthly gas and elec bill in the winter  
 HOFBMW Monthly gas and elec bill in the winter  
 HOFBQS Quarterly gas and elec bill in the summer  
 HOFBQW Quarterly gas and elec bill in the winter  
 HOFBQW Quarterly gas and elec bill in the winter  
 HOFCS Wkly amt spent on coal/smokeless fuel in the summer  
 HOFCW Wkly amt spent on coal/smokeless fuel in the winter  
 HOFD Whether gas and electricity direct debit monthly or quar  
 HOFDM Monthly gas and elec direct debit  
 HOFDQ Quarterly gas and elec direct debit  
 HOFOIS Wkly amt spent on oil in the summer  
 HOFOIW Wkly amt spent on oil in the winter



HOFOOD	Hh usual weekly spend on food and groceries
HOFOS	Average wkly gas and elec payment in the summer
HOFOW	Average wkly gas and elec payment in the winter
HOFPAY	Method used to pay for gas and electricity
HOFPGS	Wkly amt spent on paraffin/bottled gas in the summer
HOFPGW	Wkly amt spent on paraffin/bottled gas in the winter
HOFPS	Average wkly gas and elec meter payment in the summer
HOFPW	Average wkly gas and elec meter payment in the winter
HOFSM	Monthly staywarm payment: gas and elec
HOFSP	Whether staywarm payment weekly, monthly or quarterly: g
HOFSQ	Quarterly staywarm payment: gas and elec
HOFSUP	Whether gets gas and electricity from same or different
HOFSW	Weekly staywarm payment: gas and elec
HOFTOG	Whether pays for gas and electricity together or separat
HOFUEL95	Fuels used in household for heating or other purpose: ot
HOFUELCO	Fuels used in household for heating or other purpose: co
HOFUELEL	Fuels used in household for heating or other purpose: el
HOFUELGA	Fuels used in household for heating or other purpose: ma
HOFUELOI	Fuels used in household for heating or other purpose: oi
HOFUELPA	Fuels used in household for heating or other purpose: pa
HOFUELWO	Fuels used in household for heating or other purpose: wo
HOFWS	Wkly amt spent on wood in the summer
HOFWW	Wkly amt spent on wood in the winter
HOFXS	Wkly amt spent on other fuel in the summer
HOFXW	Wkly amt spent on other fuel in the winter
HOGBMS	Monthly gas bill in the summer
HOGBMW	Monthly gas bill in the winter
HOGBP	Whether gas bill is monthly or quarterly
HOGBQS	Quarterly gas bill in the summer
HOGBQW	Quarterly gas bill in the winter
HOGD	Whether gas direct debit is monthly or quarterly
HOGDM	Monthly direct debit for gas
HOGDQ	Quarterly direct debit for gas
HOGOS	Average wkly gas payment in the summer
HOGOW	Average wkly gas payment in the winter
HOGPAY	Method used to pay for gas
HOGPS	Average wkly gas meter payment in the summer
HOGPW	Average wkly gas meter payment in the winter
HOLEIS	Spending on leisure activities in last 4 weeks
HOOUTF	Hh usual monthly spend on food out of home
HOPERI	Last rent payment: period covered
HORENT	Last rent payment (including services or charges but aft
HOTENU	Tenure

## **Section G: Family Structure**

<b>Number of People Living in Household</b>
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Wave	Variable	Label	Type
1	H1HHRES	h1hhres:w1 Number of people in Household	Cont
2	H2HHRES	h2hhres:w2 Number of people in Household	Cont
3	H3HHRES	h3hhres:w3 Number of people in Household	Cont
4	H4HHRES	h4hhres:w4 Number of people in Household	Cont
5	H5HHRES	h5hhres:w5 Number of people in Household	Cont
6	H6HHRES	h6hhres:w6 Number of people in Household	Cont
7	H7HHRES	h7hhres:w7 Number of people in Household	Cont
8	H8HHRES	h8hhres:w8 Number of people in Household	Cont
9	H9HHRES	h9hhres:w9 Number of people in Household	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1HHRES	12099	2.10	0.94	1.00	11.00
H2HHRES	9432	2.03	0.88	1.00	11.00
H3HHRES	9766	2.13	1.00	1.00	11.00
H4HHRES	11050	2.07	0.91	1.00	9.00
H5HHRES	10274	2.02	0.87	1.00	9.00
H6HHRES	10601	2.07	0.90	1.00	9.00
H7HHRES	9666	2.05	0.89	1.00	8.00
H8HHRES	8445	2.01	0.86	1.00	11.00
H9HHRES	8736	2.10	0.95	1.00	9.00

### How Constructed

HwHHRES counts the number of people living in a household, including those who were respondents.

Number of residents living in a household is derived from the ELSA derived variables file, which includes adults and children in the household.

### Cross Wave Differences in ELSA

No differences known.

### Differences with the RAND HRS/Harmonized HRS

No differences known.

### ELSA Variables Used

Wave 1 Ifs Derived:  
 NPEOPLE number of people in HH (adults + children)

Wave 2 Ifs Derived:  
 NPEOPLE number of people in HH (adults + children)

Wave 3 Ifs Derived:  
 NPEOPLE number of people in HH (adults + children)

Wave 4 Ifs Derived:  
 NPEOPLE number of people in HH (adults + children)

Wave 5 Ifs Derived:  
 NPEOPLE number of people in HH (adults + children)

Wave 6 Ifs Derived:  
 NPEOPLE number of people in HH (adults + children)

Wave 7 Ifs Derived:  
 NPEOPLE number of people in HH (adults + children)

Wave 8 Ifs Derived:

NPEOPLE            number of people in HH (adults + children)  
Wave 9 Ifs Derived:  
NPEOPLE            number of people in HH (adults + children)

<b>Number of Children</b>
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Wave	Variable	Label	Type
1	R1DAU	r1dau:w1 r Number of living daughters	Cont
2	R2DAU	r2dau:w2 r Number of living daughters	Cont
3	R3DAU	r3dau:w3 r Number of living daughters	Cont
4	R4DAU	r4dau:w4 r Number of living daughters	Cont
5	R5DAU	r5dau:w5 r Number of living daughters	Cont
6	R6DAU	r6dau:w6 r Number of living daughters	Cont
7	R7DAU	r7dau:w7 r Number of living daughters	Cont
8	R8DAU	r8dau:w8 r Number of living daughters	Cont
9	R9DAU	r9dau:w9 r Number of living daughters	Cont
1	S1DAU	s1dau:w1 s Number of living daughters	Cont
2	S2DAU	s2dau:w2 s Number of living daughters	Cont
3	S3DAU	s3dau:w3 s Number of living daughters	Cont
4	S4DAU	s4dau:w4 s Number of living daughters	Cont
5	S5DAU	s5dau:w5 s Number of living daughters	Cont
6	S6DAU	s6dau:w6 s Number of living daughters	Cont
7	S7DAU	s7dau:w7 s Number of living daughters	Cont
8	S8DAU	s8dau:w8 s Number of living daughters	Cont
9	S9DAU	s9dau:w9 s Number of living daughters	Cont
1	R1SON	r1son:w1 r Number of living sons	Cont
2	R2SON	r2son:w2 r Number of living sons	Cont
3	R3SON	r3son:w3 r Number of living sons	Cont
4	R4SON	r4son:w4 r Number of living sons	Cont
5	R5SON	r5son:w5 r Number of living sons	Cont
6	R6SON	r6son:w6 r Number of living sons	Cont
7	R7SON	r7son:w7 r Number of living sons	Cont
8	R8SON	r8son:w8 r Number of living sons	Cont
9	R9SON	r9son:w9 r Number of living sons	Cont
1	S1SON	s1son:w1 s Number of living sons	Cont
2	S2SON	s2son:w2 s Number of living sons	Cont
3	S3SON	s3son:w3 s Number of living sons	Cont
4	S4SON	s4son:w4 s Number of living sons	Cont
5	S5SON	s5son:w5 s Number of living sons	Cont
6	S6SON	s6son:w6 s Number of living sons	Cont
7	S7SON	s7son:w7 s Number of living sons	Cont
8	S8SON	s8son:w8 s Number of living sons	Cont
9	S9SON	s9son:w9 s Number of living sons	Cont
1	R1CHILD	r1child:w1 R Number of living children	Cont
2	R2CHILD	r2child:w2 R Number of living children	Cont
3	R3CHILD	r3child:w3 R Number of living children	Cont
4	R4CHILD	r4child:w4 R Number of living children	Cont
5	R5CHILD	r5child:w5 R Number of living children	Cont
6	R6CHILD	r6child:w6 R Number of living children	Cont
7	R7CHILD	r7child:w7 R Number of living children	Cont
8	R8CHILD	r8child:w8 R Number of living children	Cont
9	R9CHILD	r9child:w9 R Number of living children	Cont
1	S1CHILD	s1child:w1 S Number of living children	Cont
2	S2CHILD	s2child:w2 S Number of living children	Cont
3	S3CHILD	s3child:w3 S Number of living children	Cont
4	S4CHILD	s4child:w4 S Number of living children	Cont
5	S5CHILD	s5child:w5 S Number of living children	Cont
6	S6CHILD	s6child:w6 S Number of living children	Cont
7	S7CHILD	s7child:w7 S Number of living children	Cont

8	S8CHILD	s8child:w8	S Number of living children	Cont
9	S9CHILD	s9child:w9	S Number of living children	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DAU	12099	1.12	1.06	0.00	7.00
R2DAU	9432	0.96	0.99	0.00	7.00
R3DAU	9766	1.07	1.04	0.00	7.00
R4DAU	11050	1.06	1.05	0.00	8.00
R5DAU	10274	1.05	1.05	0.00	8.00
R6DAU	10601	1.05	1.05	0.00	8.00
R7DAU	9666	1.04	1.05	0.00	8.00
R8DAU	8445	1.04	1.07	0.00	8.00
R9DAU	8736	0.99	1.03	0.00	8.00
S1DAU	8070	1.19	1.04	0.00	7.00
S2DAU	6178	1.02	0.99	0.00	7.00
S3DAU	6382	1.13	1.03	0.00	7.00
S4DAU	7402	1.13	1.06	0.00	7.00
S5DAU	6964	1.10	1.05	0.00	7.00
S6DAU	7242	1.11	1.05	0.00	8.00
S7DAU	6560	1.09	1.06	0.00	8.00
S8DAU	5688	1.09	1.08	0.00	8.00
S9DAU	5820	1.05	1.04	0.00	7.00
R1SON	12099	1.14	1.10	0.00	10.00
R2SON	9432	0.97	1.02	0.00	8.00
R3SON	9766	1.08	1.08	0.00	9.00
R4SON	11050	1.05	1.06	0.00	8.00
R5SON	10274	1.04	1.06	0.00	9.00
R6SON	10601	1.06	1.08	0.00	9.00
R7SON	9666	1.04	1.06	0.00	9.00
R8SON	8445	1.04	1.08	0.00	10.00
R9SON	8736	1.01	1.05	0.00	10.00
S1SON	8070	1.22	1.10	0.00	10.00
S2SON	6178	1.03	1.01	0.00	8.00
S3SON	6382	1.13	1.07	0.00	9.00
S4SON	7402	1.10	1.06	0.00	8.00
S5SON	6964	1.09	1.07	0.00	9.00
S6SON	7242	1.11	1.10	0.00	9.00
S7SON	6560	1.08	1.07	0.00	9.00
S8SON	5688	1.08	1.09	0.00	10.00
S9SON	5820	1.06	1.06	0.00	10.00
R1CHILD	12099	2.26	1.52	0.00	13.00
R2CHILD	9432	1.93	1.43	0.00	12.00
R3CHILD	9766	2.15	1.53	0.00	13.00
R4CHILD	11050	2.11	1.51	0.00	13.00
R5CHILD	10274	2.09	1.51	0.00	13.00
R6CHILD	10601	2.11	1.52	0.00	13.00
R7CHILD	9666	2.09	1.51	0.00	11.00
R8CHILD	8445	2.08	1.53	0.00	13.00
R9CHILD	8736	2.00	1.49	0.00	11.00
S1CHILD	8070	2.41	1.44	0.00	11.00
S2CHILD	6178	2.04	1.37	0.00	10.00
S3CHILD	6382	2.27	1.46	0.00	10.00
S4CHILD	7402	2.23	1.48	0.00	11.00
S5CHILD	6964	2.19	1.48	0.00	12.00
S6CHILD	7242	2.22	1.50	0.00	13.00

S7CHILD	6560	2.17	1.49	0.00	11.00
S8CHILD	5688	2.17	1.52	0.00	13.00
S9CHILD	5820	2.11	1.49	0.00	10.00

## How Constructed

RwDAU is the number of living daughters of the respondent, including anyone who is a biological daughter, adopted daughter, step-daughter, or foster daughter of the respondent. The daughter may or may not be living with the respondent. RwDAU is assigned plain missing (.) if the respondent did not participate in the current wave.

SwDAU is the number of the current wave's spouse's living daughters. It is taken from the spouse's values to RwDAU. In addition to the special missing codes used in RwDAU, SwDAU employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

RwSON is the number of living sons of the respondent, including anyone who is a biological son, adopted son, step-son, or foster son of the respondent. The son may or may not be living with the respondent. RwSON is assigned plain missing (.) if the respondent did not participate in the current wave.

SwSON is the number of the current wave's spouse's living sons. It is taken from the spouse's values to RwSON. In addition to the special missing codes used in RwSON, SwSON employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

RwCHILD provides the sum of living children of the respondent. The number of living children is derived from counting the number of living children from the derived variables file that is provided by ELSA, which includes anyone who is a biological child, adopted child, step-child, or foster child of the respondent. RwCHILD is assigned plain missing (.) if the respondent did not participate in the current wave.

SwCHILD is the sum of current wave's spouse's living children. It is taken from the spouse's values to RwCHILD. In addition to the special missing codes used in RwCHILD, SwCHILD employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

ELSA explicitly asks respondents to include foster children in their reports of living children, whereas the HRS does not.

## ELSA Variables Used

Wave 1 Ifs Derived:

CHSEX1	sex of respondent's 1st child
CHSEX10	sex of respondent's 10th child
CHSEX11	sex of respondent's 11th child
CHSEX12	sex of respondent's 12th child
CHSEX13	sex of respondent's 13th child
CHSEX14	sex of respondent's 14th child
CHSEX15	sex of respondent's 15th child
CHSEX16	sex of respondent's 16th child
CHSEX2	sex of respondent's 2nd child
CHSEX3	sex of respondent's 3rd child
CHSEX4	sex of respondent's 4th child

CHSEX5 sex of respondent's 5th child  
CHSEX6 sex of respondent's 6th child  
CHSEX7 sex of respondent's 7th child  
CHSEX8 sex of respondent's 8th child  
CHSEX9 sex of respondent's 9th child

## Wave 2 Ifs Derived:

CHSEX1 sex of respondent's 1st child  
CHSEX10 sex of respondent's 10th child  
CHSEX11 sex of respondent's 11th child  
CHSEX12 sex of respondent's 12th child  
CHSEX13 sex of respondent's 13th child  
CHSEX14 sex of respondent's 14th child  
CHSEX15 sex of respondent's 15th child  
CHSEX16 sex of respondent's 16th child  
CHSEX2 sex of respondent's 2nd child  
CHSEX3 sex of respondent's 3rd child  
CHSEX4 sex of respondent's 4th child  
CHSEX5 sex of respondent's 5th child  
CHSEX6 sex of respondent's 6th child  
CHSEX7 sex of respondent's 7th child  
CHSEX8 sex of respondent's 8th child  
CHSEX9 sex of respondent's 9th child

## Wave 3 Ifs Derived:

CHSEX1 sex of respondent's 1st child  
CHSEX10 sex of respondent's 10th child  
CHSEX11 sex of respondent's 11th child  
CHSEX12 sex of respondent's 12th child  
CHSEX13 sex of respondent's 13th child  
CHSEX14 sex of respondent's 14th child  
CHSEX15 sex of respondent's 15th child  
CHSEX16 sex of respondent's 16th child  
CHSEX2 sex of respondent's 2nd child  
CHSEX3 sex of respondent's 3rd child  
CHSEX4 sex of respondent's 4th child  
CHSEX5 sex of respondent's 5th child  
CHSEX6 sex of respondent's 6th child  
CHSEX7 sex of respondent's 7th child  
CHSEX8 sex of respondent's 8th child  
CHSEX9 sex of respondent's 9th child

## Wave 4 Ifs Derived:

CHSEX1 sex of respondent's 1st child  
CHSEX10 sex of respondent's 10th child  
CHSEX11 sex of respondent's 11th child  
CHSEX12 sex of respondent's 12th child  
CHSEX13 sex of respondent's 13th child  
CHSEX14 sex of respondent's 14th child  
CHSEX15 sex of respondent's 15th child  
CHSEX16 sex of respondent's 16th child  
CHSEX2 sex of respondent's 2nd child  
CHSEX3 sex of respondent's 3rd child  
CHSEX4 sex of respondent's 4th child  
CHSEX5 sex of respondent's 5th child  
CHSEX6 sex of respondent's 6th child  
CHSEX7 sex of respondent's 7th child  
CHSEX8 sex of respondent's 8th child  
CHSEX9 sex of respondent's 9th child

## Wave 5 Ifs Derived:

CHSEX1 sex of respondent's 1st child  
CHSEX10 sex of respondent's 10th child  
CHSEX11 sex of respondent's 11th child  
CHSEX12 sex of respondent's 12th child  
CHSEX13 sex of respondent's 13th child  
CHSEX14 sex of respondent's 14th child



CHSEX15 sex of respondent's 15th child  
CHSEX16 sex of respondent's 16th child  
CHSEX2 sex of respondent's 2nd child  
CHSEX3 sex of respondent's 3rd child  
CHSEX4 sex of respondent's 4th child  
CHSEX5 sex of respondent's 5th child  
CHSEX6 sex of respondent's 6th child  
CHSEX7 sex of respondent's 7th child  
CHSEX8 sex of respondent's 8th child  
CHSEX9 sex of respondent's 9th child

## Wave 6 Ifs Derived:

CHSEX1 sex of respondent's 1st child  
CHSEX10 sex of respondent's 10th child  
CHSEX11 sex of respondent's 11th child  
CHSEX12 sex of respondent's 12th child  
CHSEX13 sex of respondent's 13th child  
CHSEX14 sex of respondent's 14th child  
CHSEX15 sex of respondent's 15th child  
CHSEX16 sex of respondent's 16th child  
CHSEX2 sex of respondent's 2nd child  
CHSEX3 sex of respondent's 3rd child  
CHSEX4 sex of respondent's 4th child  
CHSEX5 sex of respondent's 5th child  
CHSEX6 sex of respondent's 6th child  
CHSEX7 sex of respondent's 7th child  
CHSEX8 sex of respondent's 8th child  
CHSEX9 sex of respondent's 9th child

## Wave 7 Ifs Derived:

CHSEX1 sex of respondent's 1st child  
CHSEX10 sex of respondent's 10th child  
CHSEX11 sex of respondent's 11th child  
CHSEX12 sex of respondent's 12th child  
CHSEX13 sex of respondent's 13th child  
CHSEX14 sex of respondent's 14th child  
CHSEX15 sex of respondent's 15th child  
CHSEX16 sex of respondent's 16th child  
CHSEX2 sex of respondent's 2nd child  
CHSEX3 sex of respondent's 3rd child  
CHSEX4 sex of respondent's 4th child  
CHSEX5 sex of respondent's 5th child  
CHSEX6 sex of respondent's 6th child  
CHSEX7 sex of respondent's 7th child  
CHSEX8 sex of respondent's 8th child  
CHSEX9 sex of respondent's 9th child

## Wave 8 Ifs Derived:

CHSEX1 sex of respondent's 1st child  
CHSEX10 sex of respondent's 10th child  
CHSEX11 sex of respondent's 11th child  
CHSEX12 sex of respondent's 12th child  
CHSEX13 sex of respondent's 13th child  
CHSEX14 sex of respondent's 14th child  
CHSEX15 sex of respondent's 15th child  
CHSEX16 sex of respondent's 16th child  
CHSEX2 sex of respondent's 2nd child  
CHSEX3 sex of respondent's 3rd child  
CHSEX4 sex of respondent's 4th child  
CHSEX5 sex of respondent's 5th child  
CHSEX6 sex of respondent's 6th child  
CHSEX7 sex of respondent's 7th child  
CHSEX8 sex of respondent's 8th child  
CHSEX9 sex of respondent's 9th child

## Wave 9 Ifs Derived:

CHSEX1 sex of respondent's 1st child

CHSEX10	sex of respondent's 10th child
CHSEX11	sex of respondent's 11th child
CHSEX12	sex of respondent's 12th child
CHSEX13	sex of respondent's 13th child
CHSEX14	sex of respondent's 14th child
CHSEX15	sex of respondent's 15th child
CHSEX16	sex of respondent's 16th child
CHSEX2	sex of respondent's 2nd child
CHSEX3	sex of respondent's 3rd child
CHSEX4	sex of respondent's 4th child
CHSEX5	sex of respondent's 5th child
CHSEX6	sex of respondent's 6th child
CHSEX7	sex of respondent's 7th child
CHSEX8	sex of respondent's 8th child
CHSEX9	sex of respondent's 9th child

**Number of Living Grand and Great-Grandchildren**

Wave	Variable	Label	Type
1	R1GRCHILD_E	r1grchild_e:w1 R number of grandchildren/great-grandchildren	Cont
2	R2GRCHILD_E	r2grchild_e:w2 R number of grandchildren/great-grandchildren	Cont
3	R3GRCHILD_E	r3grchild_e:w3 R number of grandchildren/great-grandchildren	Cont
4	R4GRCHILD_E	r4grchild_e:w4 R number of grandchildren/great-grandchildren	Cont
5	R5GRCHILD_E	r5grchild_e:w5 R number of grandchildren/great-grandchildren	Cont
6	R6GRCHILD_E	r6grchild_e:w6 R number of grandchildren/great-grandchildren	Cont
7	R7GRCHILD_E	r7grchild_e:w7 R number of grandchildren/great-grandchildren	Cont
8	R8GRCHILD_E	r8grchild_e:w8 R number of grandchildren/great-grandchildren	Cont
9	R9GRCHILD_E	r9grchild_e:w9 R number of grandchildren/great-grandchildren	Cont
1	S1GRCHILD_E	s1grchild_e:w1 S number of grandchildren/great-grandchildren	Cont
2	S2GRCHILD_E	s2grchild_e:w2 S number of grandchildren/great-grandchildren	Cont
3	S3GRCHILD_E	s3grchild_e:w3 S number of grandchildren/great-grandchildren	Cont
4	S4GRCHILD_E	s4grchild_e:w4 S number of grandchildren/great-grandchildren	Cont
5	S5GRCHILD_E	s5grchild_e:w5 S number of grandchildren/great-grandchildren	Cont
6	S6GRCHILD_E	s6grchild_e:w6 S number of grandchildren/great-grandchildren	Cont
7	S7GRCHILD_E	s7grchild_e:w7 S number of grandchildren/great-grandchildren	Cont
8	S8GRCHILD_E	s8grchild_e:w8 S number of grandchildren/great-grandchildren	Cont
9	S9GRCHILD_E	s9grchild_e:w9 S number of grandchildren/great-grandchildren	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1GRCHILD_E	12059	2.97	4.30	0.00	65.00
R2GRCHILD_E	9407	3.18	4.41	0.00	74.00
R3GRCHILD_E	9735	2.99	4.40	0.00	77.00
R4GRCHILD_E	10947	2.99	4.24	0.00	97.00
R5GRCHILD_E	10242	3.23	4.30	0.00	71.00
R6GRCHILD_E	10561	3.20	4.31	0.00	65.00
R7GRCHILD_E	9610	3.32	4.49	0.00	87.00
R8GRCHILD_E	8382	3.49	4.52	0.00	87.00
R9GRCHILD_E	8693	3.22	4.57	0.00	97.00
S1GRCHILD_E	8046	2.72	3.77	0.00	48.00
S2GRCHILD_E	6168	2.92	3.83	0.00	49.00
S3GRCHILD_E	6367	2.62	3.61	0.00	42.00
S4GRCHILD_E	7350	2.72	3.55	0.00	32.00
S5GRCHILD_E	6950	2.92	3.62	0.00	32.00
S6GRCHILD_E	7223	2.92	3.69	0.00	32.00
S7GRCHILD_E	6519	3.04	3.88	0.00	42.00
S8GRCHILD_E	5643	3.23	3.90	0.00	34.00
S9GRCHILD_E	5796	3.01	4.06	0.00	84.00

### How Constructed

RwGRCHILD\_E provides the number of grandchildren or great-grandchildren of the respondent. ELSA provides a derived version of this variable which includes the sum of the grandchildren or great-grandchildren who live either inside the household or outside the household. Don't know, refuse, and other missing responses are set to .d, .r, and .m, respectively. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwGRCHILD\_E is the number of the current wave's spouse's grandchildren or great-grandchildren. It is taken from the spouse's values to RwGRCHILD\_E. In addition to the special missing codes used in RwGRCHILD\_E, SwGRCHILD\_E employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is

used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

### Cross Wave Differences in ELSA

No differences known.

### Differences with the RAND HRS/Harmonized HRS

The Harmonized HRS includes HwGRCHILD, indicating the number of the respondent's and their spouse's grandchildren, and HwGGRCHILD, indicating the number of the respondent's and their spouse's great-grandchildren.

Unlike the HRS, RwGRCHILD\_E in ELSA provides a combined count of grandchildren and great-grandchildren, and provides it at the respondent-level rather than at the couple-level.

### ELSA Variables Used

Wave 1 Ifs Derived:

NGRANDCH number of grandchildren or great-grandchildren inside or

Wave 2 Ifs Derived:

NGRANDCH number of grandchildren or great-grandchildren inside or

Wave 3 Ifs Derived:

NGRANDCH number of grandchildren or great-grandchildren inside or

Wave 4 Ifs Derived:

NGRANDCH number of grandchildren or great-grandchildren inside or

Wave 5 Ifs Derived:

NGRANDCH number of grandchildren or great-grandchildren inside or

Wave 6 Ifs Derived:

NGRANDCH number of grandchildren or great-grandchildren inside or

Wave 7 Ifs Derived:

NGRANDCH number of grandchildren or great-grandchildren inside or

Wave 8 Ifs Derived:

NGRANDCH number of grandchildren or great-grandchildren inside or

Wave 9 Ifs Derived:

NGRANDCH number of grandchildren or great-grandchildren inside or

<b>Number of Living Siblings</b>
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Wave	Variable	Label	Type
1	R1LIVSIB	r1livsib:w1 r Number of living siblings	Cont
2	R2LIVSIB	r2livsib:w2 r Number of living siblings	Cont
3	R3LIVSIB	r3livsib:w3 r Number of living siblings	Cont
4	R4LIVSIB	r4livsib:w4 r Number of living siblings	Cont
5	R5LIVSIB	r5livsib:w5 r Number of living siblings	Cont
6	R6LIVSIB	r6livsib:w6 r Number of living siblings	Cont
7	R7LIVSIB	r7livsib:w7 r Number of living siblings	Cont
8	R8LIVSIB	r8livsib:w8 r Number of living siblings	Cont
9	R9LIVSIB	r9livsib:w9 r Number of living siblings	Cont
1	S1LIVSIB	s1livsib:w1 s Number of living siblings	Cont
2	S2LIVSIB	s2livsib:w2 s Number of living siblings	Cont
3	S3LIVSIB	s3livsib:w3 s Number of living siblings	Cont
4	S4LIVSIB	s4livsib:w4 s Number of living siblings	Cont
5	S5LIVSIB	s5livsib:w5 s Number of living siblings	Cont
6	S6LIVSIB	s6livsib:w6 s Number of living siblings	Cont
7	S7LIVSIB	s7livsib:w7 s Number of living siblings	Cont
8	S8LIVSIB	s8livsib:w8 s Number of living siblings	Cont
9	S9LIVSIB	s9livsib:w9 s Number of living siblings	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIVSIB	12056	1.94	1.95	0.00	17.00
R2LIVSIB	9408	1.83	1.87	0.00	17.00
R3LIVSIB	9730	1.89	1.85	0.00	17.00
R4LIVSIB	10943	1.88	1.83	0.00	17.00
R5LIVSIB	10231	1.83	1.80	0.00	17.00
R6LIVSIB	10569	1.86	1.78	0.00	16.00
R7LIVSIB	9645	1.84	1.76	0.00	16.00
R8LIVSIB	8422	1.80	1.75	0.00	16.00
R9LIVSIB	8716	1.83	1.73	0.00	16.00
S1LIVSIB	8046	2.00	1.96	0.00	17.00
S2LIVSIB	6166	1.90	1.87	0.00	17.00
S3LIVSIB	6370	1.94	1.83	0.00	16.00
S4LIVSIB	7341	1.91	1.80	0.00	16.00
S5LIVSIB	6937	1.88	1.78	0.00	14.00
S6LIVSIB	7221	1.91	1.76	0.00	13.00
S7LIVSIB	6551	1.88	1.73	0.00	12.00
S8LIVSIB	5677	1.85	1.74	0.00	15.00
S9LIVSIB	5811	1.87	1.74	0.00	15.00

**How Constructed**

RwLIVSIB is the number of the respondent's living siblings. In all waves of ELSA, the number of living siblings is taken from the IFS Derived Variables file, the values of which are based on a direct question asking the number of living brothers or sisters from the interview. Don't know, refuse, and other missing responses of RwLIVSIB are assigned special missing codes of .d, .r, .m, respectively. RwLIVSIB is set to blank missing (.) if the respondent did not participate in the current wave.

SwLIVSIB is the number of the current wave's spouse's living siblings. It is taken from the spouse's values to RwLIVSIB. In addition to the special missing codes used in RwLIVSIB, SwLIVSIB employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not

designated as coupled in the current wave but reports being married, a special missing value of .v is used.

### **Cross Wave Differences in ELSA**

No differences known.

### **Differences with the RAND HRS/Harmonized HRS**

Unlike the HRS, the ELSA does not survey the number of living brothers separately from number of living sisters. ELSA only asks respondents to report the total number of living siblings.

In Waves 1, 2H, 3H, 4 and 5 of the HRS, these data are provided by the Family Respondent, in all other HRS Waves these data are taken from a direct question, as they are for all waves of the ELSA.

### **ELSA Variables Used**

Wave 1 Ifs Derived:

NSIBS number of living siblings

Wave 2 Ifs Derived:

NSIBS number of living siblings

Wave 3 Ifs Derived:

NSIBS number of living siblings

Wave 4 Ifs Derived:

NSIBS number of living siblings

Wave 5 Ifs Derived:

NSIBS number of living siblings

Wave 6 Ifs Derived:

NSIBS number of living siblings

Wave 7 Ifs Derived:

NSIBS number of living siblings

Wave 8 Ifs Derived:

NSIBS number of living siblings

Wave 9 Ifs Derived:

NSIBS number of living siblings

<b>Number of Living Parents: Mother Alive</b>
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Wave	Variable	Label	Type
1	R1MOMLIV	r1momliv:w1 r mother alive	Categ
2	R2MOMLIV	r2momliv:w2 r mother alive	Categ
3	R3MOMLIV	r3momliv:w3 r mother alive	Categ
4	R4MOMLIV	r4momliv:w4 r mother alive	Categ
5	R5MOMLIV	r5momliv:w5 r mother alive	Categ
6	R6MOMLIV	r6momliv:w6 r mother alive	Categ
7	R7MOMLIV	r7momliv:w7 r mother alive	Categ
8	R8MOMLIV	r8momliv:w8 r mother alive	Categ
9	R9MOMLIV	r9momliv:w9 r mother alive	Categ
1	S1MOMLIV	s1momliv:w1 s mother alive	Categ
2	S2MOMLIV	s2momliv:w2 s mother alive	Categ
3	S3MOMLIV	s3momliv:w3 s mother alive	Categ
4	S4MOMLIV	s4momliv:w4 s mother alive	Categ
5	S5MOMLIV	s5momliv:w5 s mother alive	Categ
6	S6MOMLIV	s6momliv:w6 s mother alive	Categ
7	S7MOMLIV	s7momliv:w7 s mother alive	Categ
8	S8MOMLIV	s8momliv:w8 s mother alive	Categ
9	S9MOMLIV	s9momliv:w9 s mother alive	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MOMLIV	12017	0.22	0.41	0.00	1.00
R2MOMLIV	9395	0.19	0.39	0.00	1.00
R3MOMLIV	9721	0.23	0.42	0.00	1.00
R4MOMLIV	10960	0.21	0.41	0.00	1.00
R5MOMLIV	10202	0.19	0.39	0.00	1.00
R6MOMLIV	10538	0.21	0.41	0.00	1.00
R7MOMLIV	9610	0.20	0.40	0.00	1.00
R8MOMLIV	8407	0.17	0.37	0.00	1.00
R9MOMLIV	8705	0.21	0.41	0.00	1.00
S1MOMLIV	8015	0.25	0.43	0.00	1.00
S2MOMLIV	6157	0.22	0.42	0.00	1.00
S3MOMLIV	6354	0.27	0.44	0.00	1.00
S4MOMLIV	7338	0.24	0.43	0.00	1.00
S5MOMLIV	6909	0.22	0.41	0.00	1.00
S6MOMLIV	7191	0.24	0.43	0.00	1.00
S7MOMLIV	6514	0.23	0.42	0.00	1.00
S8MOMLIV	5661	0.19	0.39	0.00	1.00
S9MOMLIV	5798	0.23	0.42	0.00	1.00

### Categorical Variable Codes

Value-----	R1MOMLIV	R2MOMLIV	R3MOMLIV	R4MOMLIV	R5MOMLIV
.d:DK	77	34	33	41	31
.m:Missing		3	12	47	39
.r:Refuse	5			2	2
0.no	9396	7607	7470	8628	8250
1.yes	2621	1788	2251	2332	1952
Value-----	R6MOMLIV	R7MOMLIV	R8MOMLIV	R9MOMLIV	
.d:DK	29	33	20	16	
.m:Missing	34	23	18	15	
0.no	8335	7698	6997	6860	

1.yes	2203	1912	1410	1845	
Value-----	S1MOMLIV	S2MOMLIV	S3MOMLIV	S4MOMLIV	S5MOMLIV
.d:DK	51	18	18	26	20
.m:Missing		3	12	36	34
.r:Refuse	4			2	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	5991	4786	4635	5552	5404
1.yes	2024	1371	1719	1786	1505
Value-----	S6MOMLIV	S7MOMLIV	S8MOMLIV	S9MOMLIV	
.d:DK	20	25	14	12	
.m:Missing	31	21	13	10	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	5489	5035	4581	4450	
1.yes	1702	1479	1080	1348	

## How Constructed

RwMOMLIV indicates whether the respondent's mother is alive at the current wave. RwMOMLIV is based on a variable provided in the IFS Derived Variables file. A code of 0 indicates that the respondent's mother is not alive at the current wave and a code of 1 indicates that the respondent's mother is alive at the current wave. Don't know, refused, or other missing responses of RwMOMLIV are assigned special missing values .d, .r, .m, respectively. RwMOMLIV is set to plain missing (.) for respondents who did not respond to the current wave.

SwMOMLIV indicates whether the current wave's spouse's mother is alive at the current wave. It is taken from the spouse's values to RwMOMLIV. In addition to the special missing codes used in RwMOMLIV, SwMOMLIV employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

Wave 1 Ifs Derived:  
MALIVE whether mother is still alive

Wave 2 Ifs Derived:  
MALIVE whether mother is still alive

Wave 3 Ifs Derived:  
MALIVE whether mother is still alive

Wave 4 Ifs Derived:  
MALIVE whether mother is still alive

Wave 5 Ifs Derived:  
MALIVE whether mother is still alive

Wave 6 Ifs Derived:  
MALIVE whether mother is still alive

Wave 7 Ifs Derived:  
MALIVE whether mother is still alive

Wave 8 Ifs Derived:  
MALIVE whether mother is still alive

Wave 9 Ifs Derived:  
MALIVE whether mother is still alive



<b>Number of Living Parents: Father Alive</b>
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Wave	Variable	Label	Type
1	R1DADLIV	r1dadliv:w1 r father alive	Categ
2	R2DADLIV	r2dadliv:w2 r father alive	Categ
3	R3DADLIV	r3dadliv:w3 r father alive	Categ
4	R4DADLIV	r4dadliv:w4 r father alive	Categ
5	R5DADLIV	r5dadliv:w5 r father alive	Categ
6	R6DADLIV	r6dadliv:w6 r father alive	Categ
7	R7DADLIV	r7dadliv:w7 r father alive	Categ
8	R8DADLIV	r8dadliv:w8 r father alive	Categ
9	R9DADLIV	r9dadliv:w9 r father alive	Categ
1	S1DADLIV	s1dadliv:w1 s father alive	Categ
2	S2DADLIV	s2dadliv:w2 s father alive	Categ
3	S3DADLIV	s3dadliv:w3 s father alive	Categ
4	S4DADLIV	s4dadliv:w4 s father alive	Categ
5	S5DADLIV	s5dadliv:w5 s father alive	Categ
6	S6DADLIV	s6dadliv:w6 s father alive	Categ
7	S7DADLIV	s7dadliv:w7 s father alive	Categ
8	S8DADLIV	s8dadliv:w8 s father alive	Categ
9	S9DADLIV	s9dadliv:w9 s father alive	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DADLIV	11896	0.09	0.29	0.00	1.00
R2DADLIV	9324	0.08	0.27	0.00	1.00
R3DADLIV	9662	0.11	0.31	0.00	1.00
R4DADLIV	10913	0.10	0.30	0.00	1.00
R5DADLIV	10154	0.08	0.28	0.00	1.00
R6DADLIV	10483	0.10	0.30	0.00	1.00
R7DADLIV	9569	0.10	0.30	0.00	1.00
R8DADLIV	8372	0.08	0.27	0.00	1.00
R9DADLIV	8653	0.12	0.32	0.00	1.00
S1DADLIV	7933	0.11	0.32	0.00	1.00
S2DADLIV	6107	0.10	0.30	0.00	1.00
S3DADLIV	6315	0.13	0.34	0.00	1.00
S4DADLIV	7304	0.12	0.32	0.00	1.00
S5DADLIV	6872	0.10	0.30	0.00	1.00
S6DADLIV	7156	0.12	0.32	0.00	1.00
S7DADLIV	6494	0.12	0.32	0.00	1.00
S8DADLIV	5637	0.09	0.29	0.00	1.00
S9DADLIV	5767	0.13	0.34	0.00	1.00

### Categorical Variable Codes

Value-----	R1DADLIV	R2DADLIV	R3DADLIV	R4DADLIV	R5DADLIV
.d:DK	199	104	87	95	73
.m:Missing		4	16	40	44
.r:Refuse	4		1	2	3
0.no	10779	8577	8590	9841	9293
1.yes	1117	747	1072	1072	861

Value-----	R6DADLIV	R7DADLIV	R8DADLIV	R9DADLIV
.d:DK	78	71	52	68
.m:Missing	40	26	21	15
0.no	9433	8626	7706	7653

1.yes	1050	943	666	1000	
Value-----	S1DADLIV	S2DADLIV	S3DADLIV	S4DADLIV	S5DADLIV
.d:DK	134	67	54	59	50
.m:Missing		4	15	37	40
.r:Refuse	3			2	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	7046	5518	5466	6448	6190
1.yes	887	589	849	856	682
Value-----	S6DADLIV	S7DADLIV	S8DADLIV	S9DADLIV	
.d:DK	49	42	34	42	
.m:Missing	37	24	17	11	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6315	5746	5102	5009	
1.yes	841	748	535	758	

## How Constructed

RwDADLIV indicates whether the respondent's father is alive at the current wave. RwDADLIV is based on a variable provided in the IFS Derived Variables file. A code of 0 indicates that the respondent's father is not alive at the current wave and a code of 1 indicates that the respondent's father is alive at the current wave. Don't know, refused, or other missing responses of RwDADLIV are assigned special missing codes .d, .r, .m, respectively. RwDADLIV is set to plain missing (.) for respondents who did not respond to the current wave.

SwDADLIV indicates whether the current wave's spouse's father is alive at the current wave. It is taken from the spouse's values to RwDADLIV. In addition to the special missing codes used in RwDADLIV, SwDADLIV employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

Wave 1 Ifs Derived:  
 FALIVE whether father is still alive

Wave 2 Ifs Derived:  
 FALIVE whether father is still alive

Wave 3 Ifs Derived:  
 FALIVE whether father is still alive

Wave 4 Ifs Derived:  
 FALIVE whether father is still alive

Wave 5 Ifs Derived:  
 FALIVE whether father is still alive

Wave 6 Ifs Derived:  
 FALIVE whether father is still alive

Wave 7 Ifs Derived:  
 FALIVE whether father is still alive

Wave 8 Ifs Derived:  
 FALIVE whether father is still alive

Wave 9 Ifs Derived:  
 FALIVE whether father is still alive

<b>Number of Living Parents</b>
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Wave	Variable	Label	Type
1	R1LIVPAR	r1livpar:w1 r Number of living parents	Cont
2	R2LIVPAR	r2livpar:w2 r Number of living parents	Cont
3	R3LIVPAR	r3livpar:w3 r Number of living parents	Cont
4	R4LIVPAR	r4livpar:w4 r Number of living parents	Cont
5	R5LIVPAR	r5livpar:w5 r Number of living parents	Cont
6	R6LIVPAR	r6livpar:w6 r Number of living parents	Cont
7	R7LIVPAR	r7livpar:w7 r Number of living parents	Cont
8	R8LIVPAR	r8livpar:w8 r Number of living parents	Cont
9	R9LIVPAR	r9livpar:w9 r Number of living parents	Cont
1	S1LIVPAR	s1livpar:w1 s Number of living parents	Cont
2	S2LIVPAR	s2livpar:w2 s Number of living parents	Cont
3	S3LIVPAR	s3livpar:w3 s Number of living parents	Cont
4	S4LIVPAR	s4livpar:w4 s Number of living parents	Cont
5	S5LIVPAR	s5livpar:w5 s Number of living parents	Cont
6	S6LIVPAR	s6livpar:w6 s Number of living parents	Cont
7	S7LIVPAR	s7livpar:w7 s Number of living parents	Cont
8	S8LIVPAR	s8livpar:w8 s Number of living parents	Cont
9	S9LIVPAR	s9livpar:w9 s Number of living parents	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIVPAR	11868	0.31	0.58	0.00	2.00
R2LIVPAR	9304	0.27	0.54	0.00	2.00
R3LIVPAR	9645	0.34	0.61	0.00	2.00
R4LIVPAR	10877	0.31	0.58	0.00	2.00
R5LIVPAR	10128	0.28	0.55	0.00	2.00
R6LIVPAR	10462	0.31	0.58	0.00	2.00
R7LIVPAR	9547	0.30	0.58	0.00	2.00
R8LIVPAR	8359	0.25	0.54	0.00	2.00
R9LIVPAR	8643	0.33	0.61	0.00	2.00
S1LIVPAR	7910	0.36	0.62	0.00	2.00
S2LIVPAR	6091	0.32	0.58	0.00	2.00
S3LIVPAR	6302	0.40	0.65	0.00	2.00
S4LIVPAR	7283	0.36	0.62	0.00	2.00
S5LIVPAR	6853	0.32	0.58	0.00	2.00
S6LIVPAR	7138	0.35	0.62	0.00	2.00
S7LIVPAR	6475	0.34	0.62	0.00	2.00
S8LIVPAR	5626	0.28	0.57	0.00	2.00
S9LIVPAR	5758	0.36	0.64	0.00	2.00

### How Constructed

RwLIVPAR provides the number of living parents for the respondent. It is derived by summing RwMOMLIV and RwdADLIV. If either RwmOMLIV or RwdADLIV is missing then RwlIVPAR is missing. Don't know, refuse, and other missing responses to RwlIVPAR are assigned special missing codes .d, .r, .m, respectively. RwlIVPAR is set to blank missing (.) if the respondent did not participate in the current wave.

SwLIVPAR provides the number of living parents for the current wave's spouse and is taken from the spouse's values to RwlIVPAR. In addition to the special missing codes used in RwlIVPAR, SwLIVPAR employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

### Wave 1 Ifs Derived:

FALIVE whether father is still alive  
MALIVE whether mother is still alive

### Wave 2 Ifs Derived:

FALIVE whether father is still alive  
MALIVE whether mother is still alive

### Wave 3 Ifs Derived:

FALIVE whether father is still alive  
MALIVE whether mother is still alive

### Wave 4 Ifs Derived:

FALIVE whether father is still alive  
MALIVE whether mother is still alive

### Wave 5 Ifs Derived:

FALIVE whether father is still alive  
MALIVE whether mother is still alive

### Wave 6 Ifs Derived:

FALIVE whether father is still alive  
MALIVE whether mother is still alive

### Wave 7 Ifs Derived:

FALIVE whether father is still alive  
MALIVE whether mother is still alive

### Wave 8 Ifs Derived:

FALIVE whether father is still alive  
MALIVE whether mother is still alive

### Wave 9 Ifs Derived:

FALIVE whether father is still alive  
MALIVE whether mother is still alive

<b>Parental Mortality: Mother's Current Age or Age at Death</b>
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Wave	Variable	Label	Type
1	R1MOMAGE	r1momage:w1 r mother age current/at death	Cont
2	R2MOMAGE	r2momage:w2 r mother age current/at death	Cont
3	R3MOMAGE	r3momage:w3 r mother age current/at death	Cont
4	R4MOMAGE	r4momage:w4 r mother age current/at death	Cont
5	R5MOMAGE	r5momage:w5 r mother age current/at death	Cont
6	R6MOMAGE	r6momage:w6 r mother age current/at death	Cont
7	R7MOMAGE	r7momage:w7 r mother age current/at death	Cont
8	R8MOMAGE	r8momage:w8 r mother age current/at death	Cont
9	R9MOMAGE	r9momage:w9 r mother age current/at death	Cont
1	S1MOMAGE	s1momage:w1 s mother age current/at death	Cont
2	S2MOMAGE	s2momage:w2 s mother age current/at death	Cont
3	S3MOMAGE	s3momage:w3 s mother age current/at death	Cont
4	S4MOMAGE	s4momage:w4 s mother age current/at death	Cont
5	S5MOMAGE	s5momage:w5 s mother age current/at death	Cont
6	S6MOMAGE	s6momage:w6 s mother age current/at death	Cont
7	S7MOMAGE	s7momage:w7 s mother age current/at death	Cont
8	S8MOMAGE	s8momage:w8 s mother age current/at death	Cont
9	S9MOMAGE	s9momage:w9 s mother age current/at death	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MOMAGE	11836	75.22	13.17	18.00	110.00
R2MOMAGE	9311	75.89	13.22	19.00	110.00
R3MOMAGE	9623	75.99	12.81	19.00	110.00
R4MOMAGE	10853	76.51	13.00	18.00	110.00
R5MOMAGE	10100	76.99	13.22	19.00	110.00
R6MOMAGE	10413	77.20	13.03	19.00	110.00
R7MOMAGE	9537	77.58	12.98	16.00	106.00
R8MOMAGE	8358	78.17	13.03	16.00	106.00
R9MOMAGE	8637	78.18	12.72	20.00	106.00
S1MOMAGE	7917	75.41	12.76	19.00	110.00
S2MOMAGE	6107	76.02	12.86	19.00	110.00
S3MOMAGE	6294	76.01	12.42	19.00	110.00
S4MOMAGE	7277	76.53	12.69	19.00	110.00
S5MOMAGE	6845	77.07	12.91	19.00	110.00
S6MOMAGE	7111	77.23	12.78	19.00	110.00
S7MOMAGE	6474	77.72	12.71	16.00	106.00
S8MOMAGE	5635	78.33	12.74	16.00	106.00
S9MOMAGE	5753	78.30	12.57	20.00	106.00

### How Constructed

RwMOMAGE is the respondent's mother's current age in years if the mother is still alive or the respondent's mother's age at death if the mother has died. RwMOMAGE is based on variables provided in the IFS Derived Variables file. Don't know, refused, or other missing responses to RwMOMAGE are assigned special missing codes .d, .r, .m, respectively. RwMOMAGE is set to plain missing (.) for respondents who did not respond to the current wave.

SwMOMAGE is the current wave's spouse's mother's current age or age at death. It is taken from the spouse's RwMOMAGE. In addition to special missing codes used in RwMOMAGE, SwMOMAGE uses additional missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, an ELSA household can include a child who is a respondent and a parent who is a respondent in the same household, as such, mother's current age can be reported by the mother herself, by the household respondent in the household demographics module, or by the respondent.

## ELSA Variables Used

### Wave 1 Ifs Derived:

MAGEDIED mother's age when she died  
MOTHAGE mother's age if still alive

### Wave 2 Ifs Derived:

MAGEDIED mother's age when she died  
MOTHAGE mother's age if still alive

### Wave 3 Ifs Derived:

MAGEDIED mother's age when she died  
MOTHAGE mother's age if still alive

### Wave 4 Ifs Derived:

MAGEDIED mother's age when she died  
MOTHAGE mother's age if still alive

### Wave 5 Ifs Derived:

MAGEDIED mother's age when she died  
MOTHAGE mother's age if still alive

### Wave 6 Ifs Derived:

MAGEDIED mother's age when she died  
MOTHAGE mother's age if still alive

### Wave 7 Ifs Derived:

MAGEDIED mother's age when she died  
MOTHAGE mother's age if still alive

### Wave 8 Ifs Derived:

MAGEDIED mother's age when she died  
MOTHAGE mother's age if still alive

### Wave 9 Ifs Derived:

MAGEDIED mother's age when she died  
MOTHAGE mother's age if still alive

**Parental Mortality: Father's Current Age or Age at Death**

Wave	Variable	Label	Type
1	R1DADAGE	r1dadage:w1 r father age current/at death	Cont
2	R2DADAGE	r2dadage:w2 r father age current/at death	Cont
3	R3DADAGE	r3dadage:w3 r father age current/at death	Cont
4	R4DADAGE	r4dadage:w4 r father age current/at death	Cont
5	R5DADAGE	r5dadage:w5 r father age current/at death	Cont
6	R6DADAGE	r6dadage:w6 r father age current/at death	Cont
7	R7DADAGE	r7dadage:w7 r father age current/at death	Cont
8	R8DADAGE	r8dadage:w8 r father age current/at death	Cont
9	R9DADAGE	r9dadage:w9 r father age current/at death	Cont
1	S1DADAGE	s1dadage:w1 s father age current/at death	Cont
2	S2DADAGE	s2dadage:w2 s father age current/at death	Cont
3	S3DADAGE	s3dadage:w3 s father age current/at death	Cont
4	S4DADAGE	s4dadage:w4 s father age current/at death	Cont
5	S5DADAGE	s5dadage:w5 s father age current/at death	Cont
6	S6DADAGE	s6dadage:w6 s father age current/at death	Cont
7	S7DADAGE	s7dadage:w7 s father age current/at death	Cont
8	S8DADAGE	s8dadage:w8 s father age current/at death	Cont
9	S9DADAGE	s9dadage:w9 s father age current/at death	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DADAGE	11555	70.69	13.34	18.00	105.00
R2DADAGE	9131	71.05	13.50	18.00	105.00
R3DADAGE	9444	71.33	13.28	16.00	105.00
R4DADAGE	10650	71.75	13.29	16.00	105.00
R5DADAGE	9907	71.92	13.57	16.00	110.00
R6DADAGE	10206	72.29	13.45	20.00	110.00
R7DADAGE	9374	72.65	13.42	19.00	105.00
R8DADAGE	8228	72.88	13.61	20.00	105.00
R9DADAGE	8478	73.23	13.44	17.00	105.00
S1DADAGE	7753	70.96	13.01	18.00	105.00
S2DADAGE	6004	71.29	13.14	21.00	105.00
S3DADAGE	6201	71.66	12.93	16.00	105.00
S4DADAGE	7151	72.12	12.97	16.00	105.00
S5DADAGE	6732	72.21	13.28	16.00	105.00
S6DADAGE	6988	72.62	13.17	20.00	105.00
S7DADAGE	6374	73.16	13.09	20.00	105.00
S8DADAGE	5555	73.42	13.20	20.00	105.00
S9DADAGE	5661	73.75	13.08	17.00	105.00

**How Constructed**

RwDADAGE is the respondent's father's current age in years if the father is still alive or the respondent's father's age at death if the father has died. RwDADAGE is based on variables provided in the IFS Derived Variables file. Don't know, refused, or other missing responses to RwDADAGE are assigned special missing codes .d, .r, .m, respectively. RwDADAGE is set to plain missing (.) for respondents who did not respond to the current wave.

SwDADAGE is the current wave's spouse's father's current age or age at death. It is taken from the spouse's RwDADAGE. In addition to special missing codes used in RwDADAGE, SwDADAGE uses additional missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, an ELSA household can include a child who is a respondent and a parent who is a respondent in the same household, as such, father's current age can be reported by the father himself, by the household respondent in the household demographics module, or by the respondent.

## ELSA Variables Used

### Wave 1 Ifs Derived:

FAGEDIED father's age when she died  
FATHAGE father's age if still alive

### Wave 2 Ifs Derived:

FAGEDIED father's age when she died  
FATHAGE father's age if still alive

### Wave 3 Ifs Derived:

FAGEDIED father's age when she died  
FATHAGE father's age if still alive

### Wave 4 Ifs Derived:

FAGEDIED father's age when she died  
FATHAGE father's age if still alive

### Wave 5 Ifs Derived:

FAGEDIED father's age when she died  
FATHAGE father's age if still alive

### Wave 6 Ifs Derived:

FAGEDIED father's age when she died  
FATHAGE father's age if still alive

### Wave 7 Ifs Derived:

FAGEDIED father's age when she died  
FATHAGE father's age if still alive

### Wave 8 Ifs Derived:

FAGEDIED father's age when she died  
FATHAGE father's age if still alive

### Wave 9 Ifs Derived:

FAGEDIED father's age when she died  
FATHAGE father's age if still alive



### Any Child Co-Resides, Lives Near Respondent

Wave	Variable	Label	Type
1	H1CORESD	h1coresd:w1 Any Child co-resides	Categ
2	H2CORESD	h2coresd:w2 Any Child co-resides	Categ
3	H3CORESD	h3coresd:w3 Any Child co-resides	Categ
4	H4CORESD	h4coresd:w4 Any Child co-resides	Categ
5	H5CORESD	h5coresd:w5 Any Child co-resides	Categ
6	H6CORESD	h6coresd:w6 Any Child co-resides	Categ
7	H7CORESD	h7coresd:w7 Any Child co-resides	Categ
8	H8CORESD	h8coresd:w8 Any Child co-resides	Categ
9	H9CORESD	h9coresd:w9 Any Child co-resides	Categ
8	H8LVNEAR	h8lvnear:w8 any child lives w/in 30 min	Categ
9	H9LVNEAR	h9lvnear:w9 any child lives w/in 30 min	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1CORESD	10562	0.01	0.09	0.00	1.00
H2CORESD	8039	0.01	0.07	0.00	1.00
H3CORESD	8413	0.01	0.10	0.00	1.00
H4CORESD	9418	0.01	0.10	0.00	1.00
H5CORESD	8745	0.02	0.12	0.00	1.00
H6CORESD	9037	0.02	0.12	0.00	1.00
H7CORESD	8186	0.01	0.11	0.00	1.00
H8CORESD	7097	0.01	0.11	0.00	1.00
H9CORESD	7239	0.01	0.11	0.00	1.00
H8LVNEAR	7045	0.70	0.46	0.00	1.00
H9LVNEAR	7182	0.70	0.46	0.00	1.00

### Categorical Variable Codes

Value-----	H1CORESD	H2CORESD	H3CORESD	H4CORESD	H5CORESD
.k:No kids	1537	1393	1353	1632	1529
0.no	10483	7995	8328	9317	8613
1.yes	79	44	85	101	132
Value-----	H6CORESD	H7CORESD	H8CORESD	H9CORESD	
.k:No kids	1564	1480	1348	1497	
0.no	8901	8093	7015	7157	
1.yes	136	93	82	82	
Value-----		H8LVNEAR	H9LVNEAR		
.d:DK		47	49		
.k:No kids		1348	1497		
.r:Refuse		5	8		
0.no		2083	2135		
1.yes		4962	5047		

### How Constructed

HwCORESD indicates whether any child is co-residing with the respondent and his/her spouse or partner. ELSA asks the household respondent to identify all household members, which can include biological children, adopted children, foster children, and step-children. HwCORESD is coded as yes, 1, if the respondent reported that any child co-resides with respondent or spouse. Otherwise, HwCORESD is coded as no, 0. Special missing code .k is assigned if the respondent reports not having any living children. HwCORESD is set to blank missing (.) if the respondent did not participate in the current wave.

HwLVNEAR indicates whether any child lives within 30 minutes of the respondent and his/her spouse or partner door to door. HwLVNEAR is coded as 1 if the respondent reports one or more children living in the same household, or if the nearest child aged 16 or older lives less than 15 minutes or between 15 and 30 minutes away door to door. HwLVNEAR is coded as 0 if the respondent reports that the nearest child aged 16 or older lives between 30 minutes and 1 hour, between 1 and 2 hours, more than 2 hours, or lives/works abroad. Special missing .k is assigned if the respondent reports not having any living children. Don't know, refused, and other missing responses to HwLVNEAR are assigned special missing .d, .r, .m, respectively. HwLVNEAR is set to blank missing (.) if the respondent did not participate in the current wave.

## Cross Wave Differences in ELSA

Questions asking the amount of time to travel between the respondent and/or spouse and the nearest child are asked starting in Wave 8.

## Differences with the RAND HRS/Harmonized HRS

These variables are not available in the RAND HRS, but are available in RAND Family data.

## ELSA Variables Used

### Wave 1 Core:

DHR	what is [your/member of household~s] relationship to [pe
DHR10	what is [your/member of household~s] relationship to [pe
DHR11	what is [your/member of household~s] relationship to [pe
DHR12	what is [your/member of household~s] relationship to [pe
DHR2	what is [your/member of household~s] relationship to [pe
DHR3	what is [your/member of household~s] relationship to [pe
DHR4	what is [your/member of household~s] relationship to [pe
DHR5	what is [your/member of household~s] relationship to [pe
DHR6	what is [your/member of household~s] relationship to [pe
DHR7	what is [your/member of household~s] relationship to [pe
DHR8	what is [your/member of household~s] relationship to [pe
DHR9	what is [your/member of household~s] relationship to [pe

### Wave 2 Core:

DHC	Children's Grid: Child number within these parents (firs
DHC10	Children's Grid: Child number within these parents (firs
DHC11	Children's Grid: Child number within these parents (firs
DHC12	Children's Grid: Child number within these parents (firs
DHC13	Children's Grid: Child number within these parents (firs
DHC14	Children's Grid: Child number within these parents (firs
DHC2	Children's Grid: Child number within these parents (firs
DHC3	Children's Grid: Child number within these parents (firs
DHC4	Children's Grid: Child number within these parents (firs
DHC5	Children's Grid: Child number within these parents (firs
DHC6	Children's Grid: Child number within these parents (firs
DHC7	Children's Grid: Child number within these parents (firs
DHC8	Children's Grid: Child number within these parents (firs
DHC9	Children's Grid: Child number within these parents (firs
DHR	Relationship of this person to Person 1 in the household
DHR10	Relationship of this person to Person 10 in the househol
DHR11	Relationship of this person to Person 11 in the househol
DHR12	Relationship of this person to Person 12 in the househol
DHR2	Relationship of this person to Person 2 in the household
DHR3	Relationship of this person to Person 3 in the household
DHR4	Relationship of this person to Person 4 in the household
DHR5	Relationship of this person to Person 5 in the household
DHR6	Relationship of this person to Person 6 in the household
DHR7	Relationship of this person to Person 7 in the household
DHR8	Relationship of this person to Person 8 in the household
DHR9	Relationship of this person to Person 9 in the household



DHR9	relationship of this person to person 9 in the household
Wave 7 Core:	
DHR	relationship of this person to person 1 in the household
DHR10	relationship of this person to person 10 in the household
DHR11	relationship of this person to person 11 in the household
DHR12	relationship of this person to person 12 in the household
DHR13	relationship of this person to person 13 in the household
DHR14	relationship of this person to person 14 in the household
DHR15	relationship of this person to person 15 in the household
DHR16	relationship of this person to person 16 in the household
DHR2	relationship of this person to person 2 in the household
DHR3	relationship of this person to person 3 in the household
DHR4	relationship of this person to person 4 in the household
DHR5	relationship of this person to person 5 in the household
DHR6	relationship of this person to person 6 in the household
DHR7	relationship of this person to person 7 in the household
DHR8	relationship of this person to person 8 in the household
DHR9	relationship of this person to person 9 in the household
Wave 8 Core:	
CHOUTHH	computed: whether respondent has a child outside the household
DHR	relationship of this person to person 1 in the household
DHR10	relationship of this person to person 10 in the household
DHR11	relationship of this person to person 11 in the household
DHR12	relationship of this person to person 12 in the household
DHR13	relationship of this person to person 13 in the household
DHR14	relationship of this person to person 14 in the household
DHR15	relationship of this person to person 15 in the household
DHR16	relationship of this person to person 16 in the household
DHR2	relationship of this person to person 2 in the household
DHR3	relationship of this person to person 3 in the household
DHR4	relationship of this person to person 4 in the household
DHR5	relationship of this person to person 5 in the household
DHR6	relationship of this person to person 6 in the household
DHR7	relationship of this person to person 7 in the household
DHR8	relationship of this person to person 8 in the household
DHR9	relationship of this person to person 9 in the household
DIGPRXA	time taken to get to where nearest child lives
Wave 9 Core:	
CHOUTHH	Computed: whether respondent has a child outside the household
DHR	Relationship of this person to person 1 in the household
DHR10	Relationship of this person to person 10 in the household
DHR11	Relationship of this person to person 11 in the household
DHR12	Relationship of this person to person 12 in the household
DHR13	Relationship of this person to person 13 in the household
DHR14	Relationship of this person to person 14 in the household
DHR15	Relationship of this person to person 15 in the household
DHR16	Relationship of this person to person 16 in the household
DHR2	Relationship of this person to person 2 in the household
DHR3	Relationship of this person to person 3 in the household
DHR4	Relationship of this person to person 4 in the household
DHR5	Relationship of this person to person 5 in the household
DHR6	Relationship of this person to person 6 in the household
DHR7	Relationship of this person to person 7 in the household
DHR8	Relationship of this person to person 8 in the household
DHR9	Relationship of this person to person 9 in the household
DIGPRXA	Time taken to get to where nearest child lives

<b>Young Children Living in Household</b>
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Wave	Variable	Label	Type
1	H1KIDU14	h1kidu14:w1 # children in hh under age 14	Cont
2	H2KIDU14	h2kidu14:w2 # children in hh under age 14	Cont
3	H3KIDU14	h3kidu14:w3 # children in hh under age 14	Cont
4	H4KIDU14	h4kidu14:w4 # children in hh under age 14	Cont
5	H5KIDU14	h5kidu14:w5 # children in hh under age 14	Cont
6	H6KIDU14	h6kidu14:w6 # children in hh under age 14	Cont
7	H7KIDU14	h7kidu14:w7 # children in hh under age 14	Cont
8	H8KIDU14	h8kidu14:w8 # children in hh under age 14	Cont
9	H9KIDU14	h9kidu14:w9 # children in hh under age 14	Cont
1	H1KIDU6	h1kidu6:w1 # children in hh under age 6	Cont
2	H2KIDU6	h2kidu6:w1 # children in hh under age 6	Cont
3	H3KIDU6	h3kidu6:w3 # children in hh under age 6	Cont
4	H4KIDU6	h4kidu6:w4 # children in hh under age 6	Cont
5	H5KIDU6	h5kidu6:w5 # children in hh under age 6	Cont
6	H6KIDU6	h6kidu6:w6 # children in hh under age 6	Cont
7	H7KIDU6	h7kidu6:w7 # children in hh under age 6	Cont
8	H8KIDU6	h8kidu6:w8 # children in hh under age 6	Cont
9	H9KIDU6	h9kidu6:w9 # children in hh under age 6	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
H1KIDU14	12099	0.06	0.32	0.00	7.00
H2KIDU14	9432	0.03	0.23	0.00	4.00
H3KIDU14	9766	0.06	0.31	0.00	4.00
H4KIDU14	11050	0.05	0.27	0.00	4.00
H5KIDU14	10274	0.03	0.23	0.00	4.00
H6KIDU14	10601	0.04	0.25	0.00	4.00
H7KIDU14	9666	0.04	0.24	0.00	4.00
H8KIDU14	8445	0.03	0.21	0.00	4.00
H9KIDU14	8736	0.05	0.27	0.00	4.00
H1KIDU6	12099	0.01	0.13	0.00	3.00
H2KIDU6	9432	0.01	0.11	0.00	3.00
H3KIDU6	9766	0.01	0.12	0.00	2.00
H4KIDU6	11050	0.01	0.12	0.00	3.00
H5KIDU6	10274	0.01	0.10	0.00	3.00
H6KIDU6	10601	0.01	0.10	0.00	3.00
H7KIDU6	9666	0.01	0.09	0.00	2.00
H8KIDU6	8445	0.01	0.10	0.00	2.00
H9KIDU6	8736	0.01	0.10	0.00	2.00

**How Constructed**

HwKIDU14 is the count for the number of children who live in the household with the respondent and his/her spouse, if applicable, and are below the age of 14 (aged 0 to 13). HwKIDU6 is the count for the number of children who live in the household with the respondent and his/her spouse, if applicable, and are below the age of 6 (aged 0 to 5). A value of 0 is assigned if the respondent does not live with any children of the appropriate age. Don't know, refused, or other missing responses of HwKIDU14 and HwKIDU6 are assigned special missing codes .d, .r, .m, respectively. HwKIDU14 and HwKIDU6 are set to plain missing (.) for respondents who did not respond to the current wave.

**Cross Wave Differences in ELSA**

No differences known.

## Differences with the RAND HRS/Harmonized HRS

These variables in the Harmonized HRS include the respondent's and/or his/her spouse's children or grandchildren under the specified age who live in the household with the respondent. These variables in the Harmonized ELSA do not specify the relationship between the respondent and his/her spouse, if applicable, to the young children in their household.

## ELSA Variables Used

### Wave 1 Ifs Derived:

AGEHHCH1	age of 1st child in hh
AGEHHCH2	age of 2nd child in hh
AGEHHCH3	age of 3rd child in hh
AGEHHCH4	age of 4th child in hh
AGEHHCH5	age of 5th child in hh
AGEHHCH6	age of 6th child in hh
AGEHHCH7	age of 7th child in hh
AGEHHCH8	age of 8th child in hh
NUMHHK013	number of children in HH aged 0-13

### Wave 2 Ifs Derived:

AGEHHCH1	age of 1st child in hh
AGEHHCH2	age of 2nd child in hh
AGEHHCH3	age of 3rd child in hh
AGEHHCH4	age of 4th child in hh
AGEHHCH5	age of 5th child in hh
AGEHHCH6	age of 6th child in hh
AGEHHCH7	age of 7th child in hh
AGEHHCH8	age of 8th child in hh
NUMHHK013	number of children in HH aged 0-13

### Wave 3 Ifs Derived:

AGEHHCH1	age of 1st child in hh
AGEHHCH2	age of 2nd child in hh
AGEHHCH3	age of 3rd child in hh
AGEHHCH4	age of 4th child in hh
AGEHHCH5	age of 5th child in hh
AGEHHCH6	age of 6th child in hh
AGEHHCH7	age of 7th child in hh
AGEHHCH8	age of 8th child in hh
NUMHHK013	number of children in HH aged 0-13

### Wave 4 Ifs Derived:

AGEHHCH1	age of 1st child in hh
AGEHHCH2	age of 2nd child in hh
AGEHHCH3	age of 3rd child in hh
AGEHHCH4	age of 4th child in hh
AGEHHCH5	age of 5th child in hh
AGEHHCH6	age of 6th child in hh
AGEHHCH7	age of 7th child in hh
AGEHHCH8	age of 8th child in hh
NUMHHK013	number of children in HH aged 0-13

### Wave 5 Ifs Derived:

AGEHHCH1	age of 1st child in hh
AGEHHCH2	age of 2nd child in hh
AGEHHCH3	age of 3rd child in hh
AGEHHCH4	age of 4th child in hh
AGEHHCH5	age of 5th child in hh
AGEHHCH6	age of 6th child in hh
AGEHHCH7	age of 7th child in hh
AGEHHCH8	age of 8th child in hh
NUMHHK013	number of children in HH aged 0-13

### Wave 6 Ifs Derived:

AGEHHCH1	age of 1st child in hh
AGEHHCH2	age of 2nd child in hh
AGEHHCH3	age of 3rd child in hh
AGEHHCH4	age of 4th child in hh
AGEHHCH5	age of 5th child in hh
AGEHHCH6	age of 6th child in hh
AGEHHCH7	age of 7th child in hh
AGEHHCH8	age of 8th child in hh
NUMHHK013	number of children in HH aged 0-13

## Wave 7 Ifs Derived:

AGEHHCH1	age of 1st child in hh
AGEHHCH2	age of 2nd child in hh
AGEHHCH3	age of 3rd child in hh
AGEHHCH4	age of 4th child in hh
AGEHHCH5	age of 5th child in hh
AGEHHCH6	age of 6th child in hh
AGEHHCH7	age of 7th child in hh
AGEHHCH8	age of 8th child in hh
NUMHHK013	number of children in HH aged 0-13

## Wave 8 Ifs Derived:

AGEHHCH1	age of 1st child in hh
AGEHHCH2	age of 2nd child in hh
AGEHHCH3	age of 3rd child in hh
AGEHHCH4	age of 4th child in hh
AGEHHCH5	age of 5th child in hh
AGEHHCH6	age of 6th child in hh
AGEHHCH7	age of 7th child in hh
AGEHHCH8	age of 8th child in hh
NUMHHK013	number of children in HH aged 0-13

## Wave 9 Ifs Derived:

AGEHHCH1	age of 1st child in hh
AGEHHCH2	age of 2nd child in hh
AGEHHCH3	age of 3rd child in hh
AGEHHCH4	age of 4th child in hh
AGEHHCH5	age of 5th child in hh
AGEHHCH6	age of 6th child in hh
AGEHHCH7	age of 7th child in hh
AGEHHCH8	age of 8th child in hh
NUMHHK013	number of children in HH aged 0-13

<b>Any Weekly Contact with Children in Person, by Phone, Mail or E-mail</b>
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Wave	Variable	Label	Type
1	R1KCNTF	r1kcntf:w1 r any weekly contact w/ children in person	Categ
2	R2KCNTF	r2kcntf:w2 r any weekly contact w/ children in person	Categ
3	R3KCNTF	r3kcntf:w3 r any weekly contact w/ children in person	Categ
4	R4KCNTF	r4kcntf:w4 r any weekly contact w/ children in person	Categ
5	R5KCNTF	r5kcntf:w5 r any weekly contact w/ children in person	Categ
6	R6KCNTF	r6kcntf:w6 r any weekly contact w/ children in person	Categ
7	R7KCNTF	r7kcntf:w7 r any weekly contact w/ children in person	Categ
8	R8KCNTF	r8kcntf:w8 r any weekly contact w/ children in person	Categ
9	R9KCNTF	r9kcntf:w9 r any weekly contact w/ children in person	Categ
1	S1KCNTF	s1kcntf:w1 s any weekly contact w/ children in person	Categ
2	S2KCNTF	s2kcntf:w2 s any weekly contact w/ children in person	Categ
3	S3KCNTF	s3kcntf:w3 s any weekly contact w/ children in person	Categ
4	S4KCNTF	s4kcntf:w4 s any weekly contact w/ children in person	Categ
5	S5KCNTF	s5kcntf:w5 s any weekly contact w/ children in person	Categ
6	S6KCNTF	s6kcntf:w6 s any weekly contact w/ children in person	Categ
7	S7KCNTF	s7kcntf:w7 s any weekly contact w/ children in person	Categ
8	S8KCNTF	s8kcntf:w8 s any weekly contact w/ children in person	Categ
9	S9KCNTF	s9kcntf:w9 s any weekly contact w/ children in person	Categ
1	R1KCNTPM	r1kcntpm:w1 r any weekly contact w/ children-phone/email	Categ
2	R2KCNTPM	r2kcntpm:w2 r any weekly contact w/ children-phone/email	Categ
3	R3KCNTPM	r3kcntpm:w3 r any weekly contact w/ children-phone/email	Categ
4	R4KCNTPM	r4kcntpm:w4 r any weekly contact w/ children-phone/email	Categ
5	R5KCNTPM	r5kcntpm:w5 r any weekly contact w/ children-phone/email	Categ
6	R6KCNTPM	r6kcntpm:w6 r any weekly contact w/ children-phone/email	Categ
7	R7KCNTPM	r7kcntpm:w7 r any weekly contact w/ children-phone/email	Categ
8	R8KCNTPM	r8kcntpm:w8 r any weekly contact w/ children-phone/email	Categ
9	R9KCNTPM	r9kcntpm:w9 r any weekly contact w/ children-phone/email	Categ
1	S1KCNTPM	s1kcntpm:w1 s any weekly contact w/ children-phone/email	Categ
2	S2KCNTPM	s2kcntpm:w2 s any weekly contact w/ children-phone/email	Categ
3	S3KCNTPM	s3kcntpm:w3 s any weekly contact w/ children-phone/email	Categ
4	S4KCNTPM	s4kcntpm:w4 s any weekly contact w/ children-phone/email	Categ
5	S5KCNTPM	s5kcntpm:w5 s any weekly contact w/ children-phone/email	Categ
6	S6KCNTPM	s6kcntpm:w6 s any weekly contact w/ children-phone/email	Categ
7	S7KCNTPM	s7kcntpm:w7 s any weekly contact w/ children-phone/email	Categ
8	S8KCNTPM	s8kcntpm:w8 s any weekly contact w/ children-phone/email	Categ
9	S9KCNTPM	s9kcntpm:w9 s any weekly contact w/ children-phone/email	Categ
1	R1KCNT	r1kcnt:w1 r any weekly contact w/ children in person/phone/e	Categ
2	R2KCNT	r2kcnt:w2 r any weekly contact w/ children in person/phone/e	Categ
3	R3KCNT	r3kcnt:w3 r any weekly contact w/ children in person/phone/e	Categ
4	R4KCNT	r4kcnt:w4 r any weekly contact w/ children in person/phone/e	Categ
5	R5KCNT	r5kcnt:w5 r any weekly contact w/ children in person/phone/e	Categ
6	R6KCNT	r6kcnt:w6 r any weekly contact w/ children in person/phone/e	Categ
7	R7KCNT	r7kcnt:w7 r any weekly contact w/ children in person/phone/e	Categ
8	R8KCNT	r8kcnt:w8 r any weekly contact w/ children in person/phone/e	Categ
9	R9KCNT	r9kcnt:w9 r any weekly contact w/ children in person/phone/e	Categ
1	S1KCNT	s1kcnt:w1 s any weekly contact w/ children in person/phone/e	Categ
2	S2KCNT	s2kcnt:w2 s any weekly contact w/ children in person/phone/e	Categ
3	S3KCNT	s3kcnt:w3 s any weekly contact w/ children in person/phone/e	Categ
4	S4KCNT	s4kcnt:w4 s any weekly contact w/ children in person/phone/e	Categ
5	S5KCNT	s5kcnt:w5 s any weekly contact w/ children in person/phone/e	Categ
6	S6KCNT	s6kcnt:w6 s any weekly contact w/ children in person/phone/e	Categ
7	S7KCNT	s7kcnt:w7 s any weekly contact w/ children in person/phone/e	Categ



8 S8KCNT s8kcnt:w8 s any weekly contact w/ children in person/phone/e Categ  
 9 S9KCNT s9kcnt:w9 s any weekly contact w/ children in person/phone/e Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1KCNTF	8613	0.61	0.49	0.00	1.00
R2KCNTF	6703	0.58	0.49	0.00	1.00
R3KCNTF	6565	0.58	0.49	0.00	1.00
R4KCNTF	7481	0.57	0.49	0.00	1.00
R5KCNTF	7313	0.57	0.50	0.00	1.00
R6KCNTF	7222	0.57	0.50	0.00	1.00
R7KCNTF	6507	0.56	0.50	0.00	1.00
R8KCNTF	5867	0.54	0.50	0.00	1.00
R9KCNTF	5883	0.54	0.50	0.00	1.00
S1KCNTF	6159	0.60	0.49	0.00	1.00
S2KCNTF	4775	0.57	0.50	0.00	1.00
S3KCNTF	4634	0.57	0.49	0.00	1.00
S4KCNTF	5437	0.57	0.50	0.00	1.00
S5KCNTF	5233	0.56	0.50	0.00	1.00
S6KCNTF	5218	0.56	0.50	0.00	1.00
S7KCNTF	4662	0.55	0.50	0.00	1.00
S8KCNTF	4140	0.52	0.50	0.00	1.00
S9KCNTF	4083	0.52	0.50	0.00	1.00
R1KCNTPM	8709	0.87	0.33	0.00	1.00
R2KCNTPM	6767	0.87	0.33	0.00	1.00
R3KCNTPM	6576	0.87	0.34	0.00	1.00
R4KCNTPM	7492	0.86	0.34	0.00	1.00
R5KCNTPM	7327	0.86	0.35	0.00	1.00
R6KCNTPM	7265	0.83	0.37	0.00	1.00
R7KCNTPM	6587	0.86	0.34	0.00	1.00
R8KCNTPM	5915	0.85	0.36	0.00	1.00
R9KCNTPM	5943	0.86	0.35	0.00	1.00
S1KCNTPM	6210	0.88	0.33	0.00	1.00
S2KCNTPM	4819	0.88	0.33	0.00	1.00
S3KCNTPM	4648	0.87	0.34	0.00	1.00
S4KCNTPM	5439	0.87	0.33	0.00	1.00
S5KCNTPM	5235	0.86	0.35	0.00	1.00
S6KCNTPM	5230	0.83	0.37	0.00	1.00
S7KCNTPM	4706	0.86	0.34	0.00	1.00
S8KCNTPM	4161	0.85	0.36	0.00	1.00
S9KCNTPM	4111	0.86	0.35	0.00	1.00
R1KCNT	8797	0.90	0.30	0.00	1.00
R2KCNT	6809	0.89	0.31	0.00	1.00
R3KCNT	6636	0.89	0.31	0.00	1.00
R4KCNT	7557	0.89	0.32	0.00	1.00
R5KCNT	7391	0.88	0.32	0.00	1.00
R6KCNT	7337	0.87	0.34	0.00	1.00
R7KCNT	6631	0.88	0.32	0.00	1.00
R8KCNT	5959	0.87	0.33	0.00	1.00
R9KCNT	5985	0.88	0.32	0.00	1.00
S1KCNT	6271	0.90	0.30	0.00	1.00
S2KCNT	4846	0.90	0.30	0.00	1.00
S3KCNT	4684	0.90	0.31	0.00	1.00
S4KCNT	5484	0.89	0.31	0.00	1.00
S5KCNT	5282	0.88	0.32	0.00	1.00
S6KCNT	5280	0.87	0.34	0.00	1.00

S7KCNT	4733	0.88	0.32	0.00	1.00
S8KCNT	4190	0.87	0.34	0.00	1.00
S9KCNT	4143	0.88	0.32	0.00	1.00

### Categorical Variable Codes

Value-----	R1KCNTF	R2KCNTF	R3KCNTF	R4KCNTF	R5KCNTF
.c:no self-completion inter	1107	1075	1519	1724	1225
.k:No Kids	1453	1033	1090	1255	1222
.m:Missing	140	182	85	100	107
.r:Refuse	786	439	507	490	407
0.no	3341	2810	2725	3188	3144
1.yes	5272	3893	3840	4293	4169

Value-----	R6KCNTF	R7KCNTF	R8KCNTF	R9KCNTF
.c:no self-completion inter	1578	1456	1207	1222
.k:No Kids	1255	1155	1029	1115
.m:Missing	33	51	342	36
.r:Refuse	513	497		480
0.no	3111	2832	2703	2696
1.yes	4111	3675	3164	3187

Value-----	S1KCNTF	S2KCNTF	S3KCNTF	S4KCNTF	S5KCNTF
.c:no self-completion inter	530	457	762	895	735
.k:No Kids	686	495	546	637	616
.m:Missing	87	128	46	65	81
.r:Refuse	608	323	396	368	299
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	2445	2053	1971	2349	2309
1.yes	3714	2722	2663	3088	2924

Value-----	S6KCNTF	S7KCNTF	S8KCNTF	S9KCNTF
.c:no self-completion inter	979	893	749	780
.k:No Kids	667	620	566	617
.m:Missing	12	32	233	21
.r:Refuse	366	353		319
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	2322	2096	1980	1946
1.yes	2896	2566	2160	2137

Value-----	R1KCNTPM	R2KCNTPM	R3KCNTPM	R4KCNTPM	R5KCNTPM
.c:no self-completion inter	1113	1078	1534	1738	1244
.h:all kids in house		1			1
.k:No Kids	1454	1034	1091	1258	1224
.m:Missing	142	182	86	100	107
.r:Refuse	681	370	479	462	371
0.no	1093	868	887	1013	1061
1.yes	7616	5899	5689	6479	6266

Value-----	R6KCNTPM	R7KCNTPM	R8KCNTPM	R9KCNTPM
.c:no self-completion inter	1605	1469	1223	1234
.h:all kids in house			1	
.k:No Kids	1259	1158	1031	1117
.m:Missing	33	52	275	36
.r:Refuse	439	400		406
0.no	1205	901	892	858
1.yes	6060	5686	5023	5085

Value-----	S1KCNTPM	S2KCNTPM	S3KCNTPM	S4KCNTPM	S5KCNTPM
.c:no self-completion inter	533	457	771	904	751
.h:all kids in house		1			1
.k:No Kids	687	496	547	640	618
.m:Missing	89	128	47	65	81
.r:Refuse	551	277	371	354	278
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	748	596	614	699	759

1.yes	5462	4223	4034	4740	4476
Value-----	S6KCNTPM	S7KCNTPM	S8KCNTPM	S9KCNTPM	
.c:no self-completion inter	999	902	761	789	
.k:No Kids	670	622	567	619	
.m:Missing	12	33	199	21	
.r:Refuse	331	297		280	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	879	647	637	592	
1.yes	4351	4059	3524	3519	
Value-----	R1KCNT	R2KCNT	R3KCNT	R4KCNT	R5KCNT
.c:no self-completion inter	1107	1075	1519	1724	1225
.k:No Kids	1453	1033	1090	1255	1222
.m:Missing	140	182	85	100	107
.r:Refuse	602	333	436	414	329
0.no	888	717	716	845	878
1.yes	7909	6092	5920	6712	6513
Value-----	R6KCNT	R7KCNT	R8KCNT	R9KCNT	
.c:no self-completion inter	1578	1456	1207	1222	
.k:No Kids	1255	1155	1029	1115	
.m:Missing	33	51	250	36	
.r:Refuse	398	373		378	
0.no	960	773	761	713	
1.yes	6377	5858	5198	5272	
Value-----	S1KCNT	S2KCNT	S3KCNT	S4KCNT	S5KCNT
.c:no self-completion inter	530	457	762	895	735
.k:No Kids	686	495	546	637	616
.m:Missing	87	128	46	65	81
.r:Refuse	496	252	346	321	250
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	604	495	491	588	613
1.yes	5667	4351	4193	4896	4669
Value-----	S6KCNT	S7KCNT	S8KCNT	S9KCNT	
.c:no self-completion inter	979	893	749	780	
.k:No Kids	667	620	566	617	
.m:Missing	12	32	183	21	
.r:Refuse	304	282		259	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	695	553	550	490	
1.yes	4585	4180	3640	3653	

## How Constructed

A series of self-completion questions about the respondent's and spouse's contact with their children are asked to the respondent. For non-co-residing children, respondents are asked about in-person contact and contact by phone, mail, or e-mail. Starting in Wave 6, respondents are also asked about contact by text. Respondents can report contact using the following categories: three or more times a week, once or twice a week, once or twice a month, every few months, once or twice a year, or less than once a year or never. Weekly contact is defined as the respondent contacting their children at least once a week.

RwKCNTF indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their children in person at the individual level. A code of 1 is used if the respondent reports any in-person contact either three or more times a week or once to twice a week. A code of 1 is also used if the respondent reported co-residing with any child. A code of 0 is used if the respondent did not report any weekly in-person contact. If the respondent doesn't have any children, a special missing value .k is assigned. If the respondent is not considered part of the self-completion sample, a special missing value .c is assigned. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwKCNTF is set to blank missing (.) if the respondent did not participate in the current wave.

RwKCNTPM indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their children by phone, mail or e-mail, or by text starting in Wave 6 at the individual level. A code of 1 is used if the respondent reports contact by phone, mail, e-mail, or text either three or more times a week or once to twice a week. A code of 0 is used if the respondent did not report any weekly contact by phone, mail, e-mail, or text. If the respondent doesn't have any children, a special missing value .k is assigned. If the respondent does have children but all children co-reside with the respondent and spouse, then special missing value .h is used. If the respondent is not considered part of the self-completion sample, a special missing value .c is assigned. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwKCNTPM is set to blank missing (.) if the respondent did not participate in the current wave.

RwKCNT indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their children either in person or by phone, mail or e-mail, or by text starting in Wave 6 at the individual level. RwKCNT is derived using RwKCNTF and RwKCNTPM. A code of 1 is used if the respondent reports any weekly contact either in person or by phone, mail, e-mail, or text. A code of 0 is used if the respondent did not report any weekly contact. If the respondent doesn't have any children, a special missing value .k is assigned. If the respondent is not considered part of the self-completion sample, a special missing value .c is assigned. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwKCNT is set to blank missing (.) if the respondent did not participate in the current wave.

SwKCNTF, SwKCNTPM and SwKCNT give the information for the respondent's spouse or partner and are taken directly from the respondent's spouse's values to RwKCNTF, RwKCNTPM and RwKCNT. In addition to the special missing codes used in RwKCNTF, RwKCNTPM and RwKCNT, SwKCNTF, SwKCNTPM and SwKCNT employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Questions about the frequency of contact with children by text are asked beginning in Wave 6.

## Differences with the RAND HRS/Harmonized HRS

Comparable variables are available in the Harmonized HRS.

## ELSA Variables Used

### Wave 1 Core:

SCCHD	do you have any children
SCCHDG	on average how often do you meet up with your children
SCCHDH	on average how often do you speak on the phone to your
SCCHDI	on average how often do you write or email your children

### Wave 2 Core:

SCCHD	Whether the respondent has any children
SCCHDG	How often the respondent meets up with their children on
SCCHDH	How often the respondent speaks on the phone to their ch
SCCHDI	How often the respondent writes to or emails their child

### Wave 3 Core:

SCCHD	whether the respondent has any children
SCCHDG	how often the respondent meets up with their children on
SCCHDH	how often the respondent speaks on the phone to their ch
SCCHDI	how often the respondent writes to or emails their child

### Wave 4 Core:

SCCHD	whether the respondent has any children
SCCHDG	how often the respondent meets up with their children on
SCCHDH	how often the respondent speaks on the phone to their ch
SCCHDI	how often the respondent writes to or emails their child

### Wave 5 Core:

SCCHD	Whether the respondent has any children
SCCHDG	How often the respondent meets up with their children on
SCCHDH	How often the respondent speaks on the phone to their ch

SCCHDI	How often the respondent writes to or emails their child
Wave 6 Core:	
SCCHD	whether the respondent has any children
SCCHDG	how often the respondent meets up with their children on
SCCHDH	how often the respondent speaks on the phone to their ch
SCCHDI	how often the respondent writes to or emails their child
SCCHDT	how often the respondent sends or receives text messages
Wave 7 Core:	
SCCHD	whether the respondent has any children
SCCHDH	how often the respondent meets up with their children on
SCCHDI	how often the respondent speaks on the phone to their ch
SCCHDJ	how often the respondent writes to or emails their child
SCCHDK	how often the respondent sends or receives text messages
Wave 8 Core:	
SCCHD	whether the respondent has any children
SCCHDH	how often respondent meets up with their children on ave
SCCHDI	how often respondent speaks on the phone to their childr
SCCHDJ	how often respondent writes to or emails their children
SCCHDK	how often respondent sends or receives text messages fro
Wave 9 Core:	
SCCHD	Whether the respondent has any children
SCCHDH	How often respondent meets up with their children on ave
SCCHDI	How often respondent speaks on the phone to their childr
SCCHDJ	How often respondent writes to or emails their children
SCCHDK	How often respondent sends or receives text messages fro

<b>Any Weekly Contact with Relatives in Person, by Phone, Mail or E-mail</b>
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Wave	Variable	Label	Type
1	R1RCNTF	r1rcntf:w1 r any weekly contact w/ relative in person	Categ
2	R2RCNTF	r2rcntf:w2 r any weekly contact w/ relative in person	Categ
3	R3RCNTF	r3rcntf:w3 r any weekly contact w/ relative in person	Categ
4	R4RCNTF	r4rcntf:w4 r any weekly contact w/ relative in person	Categ
5	R5RCNTF	r5rcntf:w5 r any weekly contact w/ relative in person	Categ
6	R6RCNTF	r6rcntf:w6 r any weekly contact w/ relative in person	Categ
7	R7RCNTF	r7rcntf:w7 r any weekly contact w/ relative in person	Categ
8	R8RCNTF	r8rcntf:w8 r any weekly contact w/ relative in person	Categ
9	R9RCNTF	r9rcntf:w9 r any weekly contact w/ relative in person	Categ
1	S1RCNTF	s1rcntf:w1 s any weekly contact w/ relative in person	Categ
2	S2RCNTF	s2rcntf:w2 s any weekly contact w/ relative in person	Categ
3	S3RCNTF	s3rcntf:w3 s any weekly contact w/ relative in person	Categ
4	S4RCNTF	s4rcntf:w4 s any weekly contact w/ relative in person	Categ
5	S5RCNTF	s5rcntf:w5 s any weekly contact w/ relative in person	Categ
6	S6RCNTF	s6rcntf:w6 s any weekly contact w/ relative in person	Categ
7	S7RCNTF	s7rcntf:w7 s any weekly contact w/ relative in person	Categ
8	S8RCNTF	s8rcntf:w8 s any weekly contact w/ relative in person	Categ
9	S9RCNTF	s9rcntf:w9 s any weekly contact w/ relative in person	Categ
2	R2RCNTPM	r2rcntpm:w2 r any weekly contact w/ relative-phone/email	Categ
3	R3RCNTPM	r3rcntpm:w3 r any weekly contact w/ relative-phone/email	Categ
5	R5RCNTPM	r5rcntpm:w5 r any weekly contact w/ relative-phone/email	Categ
6	R6RCNTPM	r6rcntpm:w6 r any weekly contact w/ relative-phone/email	Categ
7	R7RCNTPM	r7rcntpm:w7 r any weekly contact w/ relative-phone/email	Categ
8	R8RCNTPM	r8rcntpm:w8 r any weekly contact w/ relative-phone/email	Categ
9	R9RCNTPM	r9rcntpm:w9 r any weekly contact w/ relative-phone/email	Categ
2	S2RCNTPM	s2rcntpm:w2 s any weekly contact w/ relative-phone/email	Categ
3	S3RCNTPM	s3rcntpm:w3 s any weekly contact w/ relative-phone/email	Categ
5	S5RCNTPM	s5rcntpm:w5 s any weekly contact w/ relative-phone/email	Categ
6	S6RCNTPM	s6rcntpm:w6 s any weekly contact w/ relative-phone/email	Categ
7	S7RCNTPM	s7rcntpm:w7 s any weekly contact w/ relative-phone/email	Categ
8	S8RCNTPM	s8rcntpm:w8 s any weekly contact w/ relative-phone/email	Categ
9	S9RCNTPM	s9rcntpm:w9 s any weekly contact w/ relative-phone/email	Categ
1	R1RCNTM	r1rcntm:w1 r any weekly contact w/ relative email	Categ
4	R4RCNTM	r4rcntm:w4 r any weekly contact w/ relative email	Categ
1	S1RCNTM	s1rcntm:w1 s any weekly contact w/ relative email	Categ
4	S4RCNTM	s4rcntm:w4 s any weekly contact w/ relative email	Categ
2	R2RCNT	r2rcnt:w2 r any weekly contact w/ relative in person/phone/e	Categ
3	R3RCNT	r3rcnt:w3 r any weekly contact w/ relative in person/phone/e	Categ
5	R5RCNT	r5rcnt:w5 r any weekly contact w/ relative in person/phone/e	Categ
6	R6RCNT	r6rcnt:w6 r any weekly contact w/ relative in person/phone/e	Categ
7	R7RCNT	r7rcnt:w7 r any weekly contact w/ relative in person/phone/e	Categ
8	R8RCNT	r8rcnt:w8 r any weekly contact w/ relative in person/phone/e	Categ
9	R9RCNT	r9rcnt:w9 r any weekly contact w/ relative in person/phone/e	Categ
2	S2RCNT	s2rcnt:w2 s any weekly contact w/ relative in person/phone/e	Categ
3	S3RCNT	s3rcnt:w3 s any weekly contact w/ relative in person/phone/e	Categ
5	S5RCNT	s5rcnt:w5 s any weekly contact w/ relative in person/phone/e	Categ
6	S6RCNT	s6rcnt:w6 s any weekly contact w/ relative in person/phone/e	Categ
7	S7RCNT	s7rcnt:w7 s any weekly contact w/ relative in person/phone/e	Categ
8	S8RCNT	s8rcnt:w8 s any weekly contact w/ relative in person/phone/e	Categ
9	S9RCNT	s9rcnt:w9 s any weekly contact w/ relative in person/phone/e	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RCNTF	10045	0.54	0.50	0.00	1.00
R2RCNTF	7797	0.51	0.50	0.00	1.00
R3RCNTF	8027	0.53	0.50	0.00	1.00
R4RCNTF	9133	0.56	0.50	0.00	1.00
R5RCNTF	8650	0.52	0.50	0.00	1.00
R6RCNTF	8811	0.54	0.50	0.00	1.00
R7RCNTF	8004	0.53	0.50	0.00	1.00
R8RCNTF	6990	0.50	0.50	0.00	1.00
R9RCNTF	7332	0.54	0.50	0.00	1.00
S1RCNTF	6910	0.55	0.50	0.00	1.00
S2RCNTF	5381	0.51	0.50	0.00	1.00
S3RCNTF	5513	0.54	0.50	0.00	1.00
S4RCNTF	6394	0.56	0.50	0.00	1.00
S5RCNTF	6012	0.52	0.50	0.00	1.00
S6RCNTF	6203	0.54	0.50	0.00	1.00
S7RCNTF	5602	0.53	0.50	0.00	1.00
S8RCNTF	4831	0.50	0.50	0.00	1.00
S9RCNTF	4977	0.53	0.50	0.00	1.00
R2RCNTPM	7490	0.53	0.50	0.00	1.00
R3RCNTPM	7393	0.53	0.50	0.00	1.00
R5RCNTPM	8159	0.52	0.50	0.00	1.00
R6RCNTPM	8182	0.54	0.50	0.00	1.00
R7RCNTPM	7434	0.53	0.50	0.00	1.00
R8RCNTPM	6551	0.52	0.50	0.00	1.00
R9RCNTPM	6787	0.55	0.50	0.00	1.00
S2RCNTPM	5222	0.52	0.50	0.00	1.00
S3RCNTPM	5127	0.52	0.50	0.00	1.00
S5RCNTPM	5668	0.51	0.50	0.00	1.00
S6RCNTPM	5761	0.52	0.50	0.00	1.00
S7RCNTPM	5194	0.52	0.50	0.00	1.00
S8RCNTPM	4505	0.51	0.50	0.00	1.00
S9RCNTPM	4579	0.53	0.50	0.00	1.00
R1RCNTM	7672	0.04	0.20	0.00	1.00
R4RCNTM	7674	0.09	0.29	0.00	1.00
S1RCNTM	5335	0.04	0.20	0.00	1.00
S4RCNTM	5441	0.10	0.30	0.00	1.00
R2RCNT	7917	0.68	0.47	0.00	1.00
R3RCNT	8092	0.70	0.46	0.00	1.00
R5RCNT	8705	0.69	0.46	0.00	1.00
R6RCNT	8900	0.71	0.45	0.00	1.00
R7RCNT	8099	0.71	0.45	0.00	1.00
R8RCNT	7066	0.68	0.46	0.00	1.00
R9RCNT	7410	0.72	0.45	0.00	1.00
S2RCNT	5448	0.68	0.47	0.00	1.00
S3RCNT	5553	0.70	0.46	0.00	1.00
S5RCNT	6040	0.69	0.46	0.00	1.00
S6RCNT	6244	0.71	0.45	0.00	1.00
S7RCNT	5659	0.71	0.45	0.00	1.00
S8RCNT	4869	0.68	0.47	0.00	1.00
S9RCNT	5016	0.71	0.45	0.00	1.00

## Categorical Variable Codes

Value-----	R1RCNTF	R2RCNTF	R3RCNTF	R4RCNTF	R5RCNTF
.c:no self-completion inter	824	836	1052	1174	885
.m:Missing	291	86	80	74	96
.n:Not Applicable	702	506	483	528	519
.r:Refuse	237	207	124	141	124
0.no	4609	3835	3743	4049	4180
1.yes	5436	3962	4284	5084	4470

Value-----	R6RCNTF	R7RCNTF	R8RCNTF	R9RCNTF
.c:no self-completion inter	1107	990	862	792
.m:Missing	33	36	172	46
.n:Not Applicable	492	472	421	447
.r:Refuse	158	164		119
0.no	4084	3734	3477	3406
1.yes	4727	4270	3513	3926

Value-----	S1RCNTF	S2RCNTF	S3RCNTF	S4RCNTF	S5RCNTF
.c:no self-completion inter	394	345	481	565	512
.m:Missing	204	56	42	43	67
.n:Not Applicable	414	278	272	324	301
.r:Refuse	148	118	76	76	72
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3114	2632	2524	2801	2888
1.yes	3796	2749	2989	3593	3124

Value-----	S6RCNTF	S7RCNTF	S8RCNTF	S9RCNTF
.c:no self-completion inter	656	573	508	478
.m:Missing	17	23	94	28
.n:Not Applicable	291	269	255	273
.r:Refuse	75	93		64
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	2880	2613	2403	2328
1.yes	3323	2989	2428	2649

Value-----	R2RCNTPM	R3RCNTPM	R5RCNTPM
.c:no self-completion inter	1078	1534	1244
.m:Missing	102	100	116
.n:Not Applicable	611	598	632
.r:Refuse	151	141	123
0.no	3516	3462	3903
1.yes	3974	3931	4256

Value-----	R6RCNTPM	R7RCNTPM	R8RCNTPM	R9RCNTPM
.c:no self-completion inter	1605	1469	1223	1234
.m:Missing	47	47	157	55
.n:Not Applicable	625	584	514	556
.r:Refuse	142	132		104
0.no	3794	3458	3113	3073
1.yes	4388	3976	3438	3714

Value-----	S2RCNTPM	S3RCNTPM	S5RCNTPM
.c:no self-completion inter	457	771	751
.m:Missing	65	58	83
.n:Not Applicable	350	347	384
.r:Refuse	84	81	78
.u:Unmar	2671	2706	2742
.v:SP NR	583	676	568
0.no	2528	2451	2804
1.yes	2694	2676	2864

Value-----	S6RCNTPM	S7RCNTPM	S8RCNTPM	S9RCNTPM
.c:no self-completion inter	999	902	761	789
.m:Missing	23	34	99	33
.n:Not Applicable	380	348	323	347
.r:Refuse	79	82		72



.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	2749	2481	2215	2161
1.yes	3012	2713	2290	2418
Value-----	R1RCNTM			R4RCNTM
.c:no self-completion inter	1113			1737
.m:Missing	342			90
.n:Not Applicable	857			667
.r:Refuse	2115			882
0.no	7345			6972
1.yes	327			702
Value-----	S1RCNTM			S4RCNTM
.c:no self-completion inter	533			904
.m:Missing	243			57
.n:Not Applicable	521			426
.r:Refuse	1438			574
.u:Unmar	3561			2932
.v:SP NR	468			716
0.no	5108			4908
1.yes	227			533
Value-----		R2RCNT	R3RCNT	R5RCNT
.c:no self-completion inter		836	1052	885
.m:Missing		86	80	96
.n:Not Applicable		506	483	519
.r:Refuse		87	59	69
0.no		2505	2412	2694
1.yes		5412	5680	6011
Value-----	R6RCNT	R7RCNT	R8RCNT	R9RCNT
.c:no self-completion inter	1107	990	862	792
.m:Missing	33	36	96	46
.n:Not Applicable	492	472	421	447
.r:Refuse	69	69	41	41
0.no	2581	2347	2230	2088
1.yes	6319	5752	4836	5322
Value-----		S2RCNT	S3RCNT	S5RCNT
.c:no self-completion inter		345	481	512
.m:Missing		56	42	67
.n:Not Applicable		278	272	301
.r:Refuse		51	36	44
.u:Unmar		2671	2706	2742
.v:SP NR		583	676	568
0.no		1752	1649	1894
1.yes		3696	3904	4146
Value-----	S6RCNT	S7RCNT	S8RCNT	S9RCNT
.c:no self-completion inter	656	573	508	478
.m:Missing	17	23	56	28
.n:Not Applicable	291	269	255	273
.r:Refuse	34	36	25	25
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	1827	1650	1571	1451
1.yes	4417	4009	3298	3565

## How Constructed

A series of self-completion questions about the respondent's and spouse's contact with their relatives are asked to the respondent. Relatives are defined as any other immediate family (besides spouse and children), for example, any brothers or sisters, parents, cousins or grandchildren. For non-co-residing relatives, respondents are asked about in-person contact and contact by phone, mail, or e-mail. Starting in Wave 6, respondents are also asked about contact by text. Respondents can report contact using the following categories: three or more times a week, once or twice a week, once or twice a month, every few months, once or twice a year, or less than once a year or never. Weekly contact is defined as the respondent contacting their relatives at least once a week.

RwRCNTF indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their relatives in person at the individual level. A code of 1 is used if the respondent reports any in-person contact either three or more times a week or once to twice a week. A code of 0 is used if the respondent reported co-residing with any relative. A code of 1 is also used if the respondent reported co-residing with any relative. A code of 0 is used if the respondent did not report any weekly in-person contact. If the respondent doesn't have any relatives, a special missing value of .n is assigned. If the respondent is not considered part of the self-completion sample, a special missing value .c is assigned. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwRCNTF is set to blank missing (.) if the respondent did not participate in the current wave.

RwRCNTPM indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their relatives by phone, mail or e-mail, or by text starting in Wave 6 at the individual level. A code of 1 is used if the respondent reports contact by phone, mail, e-mail, or text either three or more times a week or once to twice a week. A code of 0 is used if the respondent did not report any weekly contact by phone, mail, e-mail, or text. If the respondent doesn't have any relatives, a special missing value of .n is assigned. If the respondent is not considered part of the self-completion sample, a special missing value .c is assigned. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwRCNTPM is set to blank missing (.) if the respondent did not participate in the current wave.

RwRCNTM indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their relatives by mail or e-mail at the individual level. A code of 1 is used if the respondent reports contact by mail or e-mail either three or more times a week or once to twice a week. A code of 0 is used if the respondent did not report any weekly contact by mail, or e-mail. If the respondent doesn't have any relatives, a special missing value of .n is assigned. If the respondent is not considered part of the self-completion sample, a special missing value .c is assigned. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwRCNTM is set to blank missing (.) if the respondent did not participate in the current wave.

RwRCNT indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their relatives either in person or by phone, mail or e-mail, or by text starting in Wave 6 at the individual level. RwRCNT is derived using RwRCNTF and RwRCNTPM. A code of 1 is used if the respondent reports any weekly contact either in person or by phone, mail, e-mail, or text. A code of 0 is used if the respondent did not report any weekly contact. If the respondent doesn't have any relatives, a special missing value of .n is assigned. If the respondent is not considered part of the self-completion sample, a special missing value .c is assigned. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwRCNT is set to blank missing (.) if the respondent did not participate in the current wave.

SwRCNTF, SwRCNTPM, SwRCNTM and SwRCNT give the information for the respondent's spouse or partner and are taken directly from the respondent's spouse's values to RwRCNTF, RwRCNTPM, RwRCNTM and SwRCNT. In addition to the special missing codes used in RwRCNTF, RwRCNTPM, RwRCNTM and SwRCNT, SwRCNTF, SwRCNTPM, SwRCNTM and SwRCNT employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

The question, "On average, how often do you do each of the following with any of these family members, not counting any who live with you, speak on the phone?" is included in every wave's self-completion survey; however, the corresponding variable is missing from the Wave 1 and Wave 4 core data files. Therefore, due to insufficient components, RwRCNTPM and RwRCNT are not available in Wave 1 and Wave 4 and RwRCNTM is created only for Wave 1 and Wave 4 as a supplement for the user who is interested in whether the respondent has frequent contact by mail or with email with his/her relatives.

Questions about the frequency of contact with relatives by text are asked beginning in Wave 6.

## Differences with the RAND HRS/Harmonized HRS

The Harmonized HRS includes RwRFCNTF, RwRFCNTPM, and RwRFCNT, indicating how frequently the respondent is

in contact with relatives or friends. However, identical variables indicating the frequency of contact with only relatives can be constructed from the HRS.

## ELSA Variables Used

### Wave 1 Core:

SCFAM do you have any other immediate family  
 SCFAMG on average how often meet up with family members  
 SCFAMI on average how often do you write or email family member

### Wave 2 Core:

SCFAM Whether the respondent has any other immediate family  
 SCFAMG How often the respondent meets up with other relatives  
 SCFAMH How often the respondent speaks with other relatives on  
 SCFAMI How often the respondent writes to or emails other relat

### Wave 3 Core:

SCFAM whether the respondent has any other immediate family  
 SCFAMG how often the respondent meets up with other relatives  
 SCFAMH how often the respondent speaks with other relatives on  
 SCFAMI how often the respondent writes to or emails other relat

### Wave 4 Core:

SCFAM whether the respondent has any other immediate family  
 SCFAMG how often the respondent meets up with other relatives  
 SCFAMI how often the respondent writes to or emails other relat

### Wave 5 Core:

SCFAM Whether the respondent has any other immediate family  
 SCFAMG How often the respondent meets up with other relatives  
 SCFAMH How often the respondent speaks on the phone to other re  
 SCFAMI How often the respondent writes to or emails other relat

### Wave 6 Core:

SCFAM whether the respondent has any other immediate family  
 SCFAMG how often the respondent meets up with other relatives  
 SCFAMH how often the respondent speaks on phone with other rela  
 SCFAMI how often the respondent writes to or emails other relat  
 SCFAMT how often the respondent sends or receives text messages

### Wave 7 Core:

SCFAM whether the respondent has any other immediate family  
 SCFAMH how often the respondent meets up with other relatives  
 SCFAMI how often the respondent speaks on the phone to other re  
 SCFAMJ how often the respondent writes to or emails other relat  
 SCFAMK how often the respondent sends or receives text messages

### Wave 8 Core:

SCFAM whether the respondent has any other immediate family (e  
 SCFAMH how often the respondent meets up with other family memb  
 SCFAMI how often the respondent speaks on the phone to other fa  
 SCFAMJ how often the respondent writes to or emails other famil  
 SCFAMK how often the respondent sends or receives text messages

### Wave 9 Core:

SCFAM Whether the respondent has any other immediate family (e  
 SCFAMH How often the respondent meets up with other family memb  
 SCFAMI How often the respondent speaks on the phone to other fa  
 SCFAMJ How often the respondent writes to or emails other famil  
 SCFAMK How often the respondent sends or receives text messages

<b>Any Weekly Contact with Friends in Person, by Phone, Mail or E-mail</b>
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Wave	Variable	Label	Type
1	R1FCNTF	r1fcntf:w1 r any weekly contact w/ friend in person	Categ
2	R2FCNTF	r2fcntf:w2 r any weekly contact w/ friend in person	Categ
3	R3FCNTF	r3fcntf:w3 r any weekly contact w/ friend in person	Categ
4	R4FCNTF	r4fcntf:w4 r any weekly contact w/ friend in person	Categ
5	R5FCNTF	r5fcntf:w5 r any weekly contact w/ friend in person	Categ
6	R6FCNTF	r6fcntf:w6 r any weekly contact w/ friend in person	Categ
7	R7FCNTF	r7fcntf:w7 r any weekly contact w/ friend in person	Categ
8	R8FCNTF	r8fcntf:w8 r any weekly contact w/ friend in person	Categ
9	R9FCNTF	r9fcntf:w9 r any weekly contact w/ friend in person	Categ
1	S1FCNTF	s1fcntf:w1 s any weekly contact w/ friend in person	Categ
2	S2FCNTF	s2fcntf:w2 s any weekly contact w/ friend in person	Categ
3	S3FCNTF	s3fcntf:w3 s any weekly contact w/ friend in person	Categ
4	S4FCNTF	s4fcntf:w4 s any weekly contact w/ friend in person	Categ
5	S5FCNTF	s5fcntf:w5 s any weekly contact w/ friend in person	Categ
6	S6FCNTF	s6fcntf:w6 s any weekly contact w/ friend in person	Categ
7	S7FCNTF	s7fcntf:w7 s any weekly contact w/ friend in person	Categ
8	S8FCNTF	s8fcntf:w8 s any weekly contact w/ friend in person	Categ
9	S9FCNTF	s9fcntf:w9 s any weekly contact w/ friend in person	Categ
1	R1FCNTPM	r1fcntpm:w1 r any weekly contact w/ friend phone/email	Categ
2	R2FCNTPM	r2fcntpm:w2 r any weekly contact w/ friend phone/email	Categ
3	R3FCNTPM	r3fcntpm:w3 r any weekly contact w/ friend phone/email	Categ
4	R4FCNTPM	r4fcntpm:w4 r any weekly contact w/ friend phone/email	Categ
5	R5FCNTPM	r5fcntpm:w5 r any weekly contact w/ friend phone/email	Categ
6	R6FCNTPM	r6fcntpm:w6 r any weekly contact w/ friend phone/email	Categ
7	R7FCNTPM	r7fcntpm:w7 r any weekly contact w/ friend phone/email	Categ
8	R8FCNTPM	r8fcntpm:w8 r any weekly contact w/ friend phone/email	Categ
9	R9FCNTPM	r9fcntpm:w9 r any weekly contact w/ friend phone/email	Categ
1	S1FCNTPM	s1fcntpm:w1 s any weekly contact w/ friend phone/email	Categ
2	S2FCNTPM	s2fcntpm:w2 s any weekly contact w/ friend phone/email	Categ
3	S3FCNTPM	s3fcntpm:w3 s any weekly contact w/ friend phone/email	Categ
4	S4FCNTPM	s4fcntpm:w4 s any weekly contact w/ friend phone/email	Categ
5	S5FCNTPM	s5fcntpm:w5 s any weekly contact w/ friend phone/email	Categ
6	S6FCNTPM	s6fcntpm:w6 s any weekly contact w/ friend phone/email	Categ
7	S7FCNTPM	s7fcntpm:w7 s any weekly contact w/ friend phone/email	Categ
8	S8FCNTPM	s8fcntpm:w8 s any weekly contact w/ friend phone/email	Categ
9	S9FCNTPM	s9fcntpm:w9 s any weekly contact w/ friend phone/email	Categ
1	R1FCNT	r1fcnt:w1 r any weekly contact w/ friend in person/phone/ema	Categ
2	R2FCNT	r2fcnt:w2 r any weekly contact w/ friend in person/phone/ema	Categ
3	R3FCNT	r3fcnt:w3 r any weekly contact w/ friend in person/phone/ema	Categ
4	R4FCNT	r4fcnt:w4 r any weekly contact w/ friend in person/phone/ema	Categ
5	R5FCNT	r5fcnt:w5 r any weekly contact w/ friend in person/phone/ema	Categ
6	R6FCNT	r6fcnt:w6 r any weekly contact w/ friend in person/phone/ema	Categ
7	R7FCNT	r7fcnt:w7 r any weekly contact w/ friend in person/phone/ema	Categ
8	R8FCNT	r8fcnt:w8 r any weekly contact w/ friend in person/phone/ema	Categ
9	R9FCNT	r9fcnt:w9 r any weekly contact w/ friend in person/phone/ema	Categ
1	S1FCNT	s1fcnt:w1 s any weekly contact w/ friend in person/phone/ema	Categ
2	S2FCNT	s2fcnt:w2 s any weekly contact w/ friend in person/phone/ema	Categ
3	S3FCNT	s3fcnt:w3 s any weekly contact w/ friend in person/phone/ema	Categ
4	S4FCNT	s4fcnt:w4 s any weekly contact w/ friend in person/phone/ema	Categ
5	S5FCNT	s5fcnt:w5 s any weekly contact w/ friend in person/phone/ema	Categ
6	S6FCNT	s6fcnt:w6 s any weekly contact w/ friend in person/phone/ema	Categ
7	S7FCNT	s7fcnt:w7 s any weekly contact w/ friend in person/phone/ema	Categ

8 S8FCNT s8fcnt:w8 s any weekly contact w/ friend in person/phone/ema Categ  
 9 S9FCNT s9fcnt:w9 s any weekly contact w/ friend in person/phone/ema Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1FCNTF	9836	0.59	0.49	0.00	1.00
R2FCNTF	7720	0.56	0.50	0.00	1.00
R3FCNTF	7594	0.56	0.50	0.00	1.00
R4FCNTF	8640	0.56	0.50	0.00	1.00
R5FCNTF	8265	0.56	0.50	0.00	1.00
R6FCNTF	8260	0.54	0.50	0.00	1.00
R7FCNTF	7474	0.55	0.50	0.00	1.00
R8FCNTF	6580	0.53	0.50	0.00	1.00
R9FCNTF	6897	0.52	0.50	0.00	1.00
S1FCNTF	6776	0.54	0.50	0.00	1.00
S2FCNTF	5315	0.51	0.50	0.00	1.00
S3FCNTF	5204	0.51	0.50	0.00	1.00
S4FCNTF	6048	0.51	0.50	0.00	1.00
S5FCNTF	5721	0.51	0.50	0.00	1.00
S6FCNTF	5766	0.49	0.50	0.00	1.00
S7FCNTF	5184	0.50	0.50	0.00	1.00
S8FCNTF	4501	0.48	0.50	0.00	1.00
S9FCNTF	4633	0.48	0.50	0.00	1.00
R1FCNTPM	9792	0.59	0.49	0.00	1.00
R2FCNTPM	7735	0.58	0.49	0.00	1.00
R3FCNTPM	7590	0.59	0.49	0.00	1.00
R4FCNTPM	8647	0.61	0.49	0.00	1.00
R5FCNTPM	8278	0.61	0.49	0.00	1.00
R6FCNTPM	8266	0.62	0.49	0.00	1.00
R7FCNTPM	7500	0.62	0.48	0.00	1.00
R8FCNTPM	6596	0.63	0.48	0.00	1.00
R9FCNTPM	6917	0.65	0.48	0.00	1.00
S1FCNTPM	6737	0.55	0.50	0.00	1.00
S2FCNTPM	5319	0.53	0.50	0.00	1.00
S3FCNTPM	5197	0.55	0.50	0.00	1.00
S4FCNTPM	6052	0.57	0.50	0.00	1.00
S5FCNTPM	5720	0.56	0.50	0.00	1.00
S6FCNTPM	5755	0.58	0.49	0.00	1.00
S7FCNTPM	5196	0.58	0.49	0.00	1.00
S8FCNTPM	4503	0.59	0.49	0.00	1.00
S9FCNTPM	4635	0.62	0.49	0.00	1.00
R1FCNT	9954	0.72	0.45	0.00	1.00
R2FCNT	7798	0.70	0.46	0.00	1.00
R3FCNT	7674	0.71	0.45	0.00	1.00
R4FCNT	8699	0.71	0.45	0.00	1.00
R5FCNT	8328	0.71	0.45	0.00	1.00
R6FCNT	8323	0.71	0.45	0.00	1.00
R7FCNT	7553	0.72	0.45	0.00	1.00
R8FCNT	6638	0.72	0.45	0.00	1.00
R9FCNT	6962	0.73	0.44	0.00	1.00
S1FCNT	6849	0.68	0.47	0.00	1.00
S2FCNT	5364	0.66	0.47	0.00	1.00
S3FCNT	5251	0.67	0.47	0.00	1.00
S4FCNT	6085	0.67	0.47	0.00	1.00
S5FCNT	5751	0.67	0.47	0.00	1.00
S6FCNT	5793	0.67	0.47	0.00	1.00

S7FCNT	5226	0.68	0.47	0.00	1.00
S8FCNT	4533	0.67	0.47	0.00	1.00
S9FCNT	4663	0.70	0.46	0.00	1.00

### Categorical Variable Codes

Value-----	R1FCNTF	R2FCNTF	R3FCNTF	R4FCNTF	R5FCNTF
.c:no self-completion inter	1113	1078	1534	1740	1244
.m:Missing	371	108	100	83	116
.n:Not Applicable	574	389	402	471	532
.r:Refuse	205	137	136	116	117
0.no	4014	3375	3328	3835	3651
1.yes	5822	4345	4266	4805	4614

Value-----	R6FCNTF	R7FCNTF	R8FCNTF	R9FCNTF
.c:no self-completion inter	1605	1469	1223	1234
.m:Missing	51	73	152	50
.n:Not Applicable	562	504	490	452
.r:Refuse	123	146		103
0.no	3796	3388	3079	3338
1.yes	4464	4086	3501	3559

Value-----	S1FCNTF	S2FCNTF	S3FCNTF	S4FCNTF	S5FCNTF
.c:no self-completion inter	533	457	771	909	751
.m:Missing	266	71	66	60	88
.n:Not Applicable	369	248	264	315	344
.r:Refuse	126	87	79	70	60
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3089	2594	2530	2973	2820
1.yes	3687	2721	2674	3075	2901

Value-----	S6FCNTF	S7FCNTF	S8FCNTF	S9FCNTF
.c:no self-completion inter	999	902	761	789
.m:Missing	25	47	89	31
.n:Not Applicable	383	342	337	315
.r:Refuse	69	85		52
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	2923	2591	2335	2416
1.yes	2843	2593	2166	2217

Value-----	R1FCNTPM	R2FCNTPM	R3FCNTPM	R4FCNTPM	R5FCNTPM
.c:no self-completion inter	1113	1078	1534	1740	1244
.m:Missing	371	108	100	83	116
.n:Not Applicable	574	389	402	471	532
.r:Refuse	249	122	140	109	104
0.no	3986	3274	3104	3404	3269
1.yes	5806	4461	4486	5243	5009

Value-----	R6FCNTPM	R7FCNTPM	R8FCNTPM	R9FCNTPM
.c:no self-completion inter	1605	1469	1223	1234
.m:Missing	51	73	136	50
.n:Not Applicable	562	504	490	452
.r:Refuse	117	120		83
0.no	3155	2821	2457	2415
1.yes	5111	4679	4139	4502

Value-----	S1FCNTPM	S2FCNTPM	S3FCNTPM	S4FCNTPM	S5FCNTPM
.c:no self-completion inter	533	457	771	909	751
.m:Missing	266	71	66	60	88
.n:Not Applicable	369	248	264	315	344
.r:Refuse	165	83	86	66	61
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3026	2488	2342	2611	2518
1.yes	3711	2831	2855	3441	3202

Value-----	S6FCNTPM	S7FCNTPM	S8FCNTPM	S9FCNTPM
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.c:no self-completion inter	999	902	761	789	
.m:Missing	25	47	87	31	
.n:Not Applicable	383	342	337	315	
.r:Refuse	80	73		50	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	2437	2167	1868	1762	
1.yes	3318	3029	2635	2873	
Value-----	R1FCNT	R2FCNT	R3FCNT	R4FCNT	R5FCNT
.c:no self-completion inter	1113	1078	1534	1740	1244
.m:Missing	371	108	100	83	116
.n:Not Applicable	574	389	402	471	532
.r:Refuse	87	59	56	57	54
0.no	2803	2303	2229	2497	2408
1.yes	7151	5495	5445	6202	5920
Value-----	R6FCNT	R7FCNT	R8FCNT	R9FCNT	
.c:no self-completion inter	1605	1469	1223	1234	
.m:Missing	51	73	94	50	
.n:Not Applicable	562	504	490	452	
.r:Refuse	60	67		38	
0.no	2391	2103	1886	1887	
1.yes	5932	5450	4752	5075	
Value-----	S1FCNT	S2FCNT	S3FCNT	S4FCNT	S5FCNT
.c:no self-completion inter	533	457	771	909	751
.m:Missing	266	71	66	60	88
.n:Not Applicable	369	248	264	315	344
.r:Refuse	53	38	32	33	30
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	2212	1818	1732	1982	1908
1.yes	4637	3546	3519	4103	3843
Value-----	S6FCNT	S7FCNT	S8FCNT	S9FCNT	
.c:no self-completion inter	999	902	761	789	
.m:Missing	25	47	57	31	
.n:Not Applicable	383	342	337	315	
.r:Refuse	42	43		22	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	1897	1668	1475	1392	
1.yes	3896	3558	3058	3271	

## How Constructed

A series of self-completion questions about the respondent's and spouse's contact with their friends are asked to the respondent. For non-co-residing friends, respondents are asked about in-person contact and contact by phone, mail, or e-mail. Starting in Wave 6, respondents are also asked about contact by text. Respondents can report contact using the following categories: three or more times a week, once or twice a week, once or twice a month, every few months, once or twice a year, or less than once a year or never. Weekly contact is defined as the respondent contacting their friends at least once a week.

RwFCNTF indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their friends in person at the individual level. A code of 1 is used if the respondent reports any in-person-contact either three or more times a week or once to twice a week. A code of 0 is used if the respondent did not report any weekly in-person contact. If the respondent doesn't have any friends, a special missing value .n is assigned. If the respondent is not considered part of the self-completion sample, a special missing value .c is assigned. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwFCNTF is set to blank missing (.) if the respondent did not participate in the current wave.

RwFCNTPM indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their friends by phone, mail or e-mail, or by text starting in Wave 6 at the individual level. A code of 1 is used if the respondent reports contact by phone, mail, e-mail, or text either three or more times a week or once to twice a week. A code of 0 is used if the respondent did not report any weekly contact by phone, mail, e-mail, or text. If the respondent doesn't have any friends, a special missing value .n is

assigned. If the respondent is not considered part of the self-completion sample, a special missing value .c is assigned. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwfCNTPM is set to blank missing (.) if the respondent did not participate in the current wave.

RwFCNT indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their friends either in person or by phone, mail or e-mail, or by text starting in Wave 6 at the individual level. RwFCNT is derived using RwfCNTF and RwfCNTPM. A code of 1 is used if the respondent reports any weekly contact either in person or by phone, mail, e-mail, or text. A code of 0 is used if the respondent did not report any weekly contact. If the respondent doesn't have any friends, a special missing value .n is assigned. If the respondent is not considered part of the self-completion sample, a special missing value .c is assigned. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwFCNT is set to blank missing (.) if the respondent did not participate in the current wave.

SwFCNTF, SwFCNTPM and SwFCNT give the information for the respondent's spouse or partner and are taken directly from the respondent's spouse's values to RwfCNTF, RwfCNTPM and RwfCNT. In addition to the special missing codes used in RwfCNTF, RwfCNTPM and RwfCNT, SwFCNTF, SwFCNTPM and SwFCNT employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Questions about the frequency of contact with friends by text are asked beginning in Wave 6.

## Differences with the RAND HRS/Harmonized HRS

The Harmonized HRS includes RwfCNTF, RwfCNTPM, and RwfCNT, indicating how frequently the respondent is in contact with relatives or friends. However, identical variables indicating the frequency of contact with only friends can be constructed from the HRS.

## ELSA Variables Used

### Wave 1 Core:

SCFRD	do you have any friends
SCFRDG	on average how of do you meet up with your friends
SCFRDH	on average how often do you speak on the phone with your
SCFRDI	on average how often do you write or email your friends

### Wave 2 Core:

SCFRD	Whether the respondent has any friends
SCFRDG	How often the respondent meets up with their friends
SCFRDH	How often the respondent speaks with their friends on th
SCFRDI	How often the respondent writes to or emails their frien

### Wave 3 Core:

SCFRD	whether the respondent has any friends
SCFRDG	how often the respondent meets up with their friends
SCFRDH	how often the respondent speaks with their friends on th
SCFRDI	how often the respondent writes to or emails their frien

### Wave 4 Core:

SCFRD	whether the respondent has any friends
SCFRDG	how often the respondent meets up with their friends
SCFRDH	how often the respondent speaks with their friends on th
SCFRDI	how often the respondent writes to or emails their frien

### Wave 5 Core:

SCFRD	Whether the respondent has any friends
SCFRDG	How often the respondent meets up with their friends
SCFRDH	How often the respondent speaks with their friends on th
SCFRDI	How often the respondent writes to or emails their frien

### Wave 6 Core:

SCFRD	whether the respondent has any friends
SCFRDG	how often the respondent meets up with their friends



SCFRDH	how often the respondent speaks with their friends on th
SCFRDI	how often the respondent writes to or emails their frien
SCFRDT	how often the respondent sends or receives text message
Wave 7 Core:	
SCFRD	whether the respondent has any friends
SCFRDH	how often the respondent meets up with their friends
SCFRDI	how often the respondent speaks with their friends on th
SCFRDJ	how often the respondent writes to or emails their frien
SCFRDK	how often the respondent sends/receives text messages fr
Wave 8 Core:	
SCFRD	whether the respondent has any friends
SCFRDH	how often the respondent meets up with their friends
SCFRDI	how often the respondent speaks with their friends on th
SCFRDJ	how often the respondent writes to or emails their frien
SCFRDK	how often the respondent sends/receives text messages fr
Wave 9 Core:	
SCFRD	Whether the respondent has any friends
SCFRDH	How often the respondent meets up with their friends
SCFRDI	How often the respondent speaks with their friends on th
SCFRDJ	How often the respondent writes to or emails their frien
SCFRDK	How often the respondent sends/receives text messages fr

<b>Any Weekly Contact with Relatives or Friends in Person, by Phone, Mail or E-mail</b>
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Wave	Variable	Label	Type
1	R1RFCNTF	r1rfcntf:w1 r any weekly contact w/ relative or friend in pe	Categ
2	R2RFCNTF	r2rfcntf:w2 r any weekly contact w/ relative or friend in pe	Categ
3	R3RFCNTF	r3rfcntf:w3 r any weekly contact w/ relative or friend in pe	Categ
4	R4RFCNTF	r4rfcntf:w4 r any weekly contact w/ relative or friend in pe	Categ
5	R5RFCNTF	r5rfcntf:w5 r any weekly contact w/ relative or friend in pe	Categ
6	R6RFCNTF	r6rfcntf:w6 r any weekly contact w/ relative or friend in pe	Categ
7	R7RFCNTF	r7rfcntf:w7 r any weekly contact w/ relative or friend in pe	Categ
8	R8RFCNTF	r8rfcntf:w8 r any weekly contact w/ relative or friend in pe	Categ
9	R9RFCNTF	r9rfcntf:w9 r any weekly contact w/ relative or friend in pe	Categ
1	S1RFCNTF	s1rfcntf:w1 s any weekly contact w/ relative or friend in pe	Categ
2	S2RFCNTF	s2rfcntf:w2 s any weekly contact w/ relative or friend in pe	Categ
3	S3RFCNTF	s3rfcntf:w3 s any weekly contact w/ relative or friend in pe	Categ
4	S4RFCNTF	s4rfcntf:w4 s any weekly contact w/ relative or friend in pe	Categ
5	S5RFCNTF	s5rfcntf:w5 s any weekly contact w/ relative or friend in pe	Categ
6	S6RFCNTF	s6rfcntf:w6 s any weekly contact w/ relative or friend in pe	Categ
7	S7RFCNTF	s7rfcntf:w7 s any weekly contact w/ relative or friend in pe	Categ
8	S8RFCNTF	s8rfcntf:w8 s any weekly contact w/ relative or friend in pe	Categ
8	S8RFCNTF	s8rfcntf:w8 s any weekly contact w/ relative or friend in pe	Categ
2	R2RFCNTPM	r2rfcntpm:w2 r any weekly contact w/ relative or friend via	Categ
3	R3RFCNTPM	r3rfcntpm:w3 r any weekly contact w/ relative or friend via	Categ
5	R5RFCNTPM	r5rfcntpm:w5 r any weekly contact w/ relative or friend via	Categ
6	R6RFCNTPM	r6rfcntpm:w6 r any weekly contact w/ relative or friend via	Categ
7	R7RFCNTPM	r7rfcntpm:w7 r any weekly contact w/ relative or friend via	Categ
8	R8RFCNTPM	r8rfcntpm:w8 r any weekly contact w/ relative or friend via	Categ
9	R9RFCNTPM	r9rfcntpm:w9 r any weekly contact w/ relative or friend via	Categ
2	S2RFCNTPM	s2rfcntpm:w2 s any weekly contact w/ relative or friend via	Categ
3	S3RFCNTPM	s3rfcntpm:w3 s any weekly contact w/ relative or friend via	Categ
5	S5RFCNTPM	s5rfcntpm:w5 s any weekly contact w/ relative or friend via	Categ
6	S6RFCNTPM	s6rfcntpm:w6 s any weekly contact w/ relative or friend via	Categ
7	S7RFCNTPM	s7rfcntpm:w7 s any weekly contact w/ relative or friend via	Categ
8	S8RFCNTPM	s8rfcntpm:w8 s any weekly contact w/ relative or friend via	Categ
9	S9RFCNTPM	s9rfcntpm:w9 s any weekly contact w/ relative or friend via	Categ
2	R2RFCNT	r2rfcnt:w2 r any weekly contact w/ relative or friend in per	Categ
3	R3RFCNT	r3rfcnt:w3 r any weekly contact w/ relative or friend in per	Categ
5	R5RFCNT	r5rfcnt:w5 r any weekly contact w/ relative or friend in per	Categ
6	R6RFCNT	r6rfcnt:w6 r any weekly contact w/ relative or friend in per	Categ
7	R7RFCNT	r7rfcnt:w7 r any weekly contact w/ relative or friend in per	Categ
8	R8RFCNT	r8rfcnt:w8 r any weekly contact w/ relative or friend in per	Categ
9	R9RFCNT	r9rfcnt:w9 r any weekly contact w/ relative or friend in per	Categ
2	S2RFCNT	r2rfcnt:w2 s any weekly contact w/ relative or friend in per	Categ
3	S3RFCNT	r3rfcnt:w3 s any weekly contact w/ relative or friend in per	Categ
5	S5RFCNT	r5rfcnt:w5 s any weekly contact w/ relative or friend in per	Categ
6	S6RFCNT	r6rfcnt:w6 s any weekly contact w/ relative or friend in per	Categ
7	S7RFCNT	r7rfcnt:w7 s any weekly contact w/ relative or friend in per	Categ
8	S8RFCNT	r8rfcnt:w8 s any weekly contact w/ relative or friend in per	Categ
9	S9RFCNT	r9rfcnt:w9 s any weekly contact w/ relative or friend in per	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RFCNTF	10813	0.77	0.42	0.00	1.00

R2RFCNTF	8413	0.74	0.44	0.00	1.00
R3RFCNTF	8558	0.75	0.43	0.00	1.00
R4RFCNTF	9741	0.77	0.42	0.00	1.00
R5RFCNTF	9260	0.74	0.44	0.00	1.00
R6RFCNTF	9374	0.75	0.43	0.00	1.00
R7RFCNTF	8557	0.75	0.44	0.00	1.00
R8RFCNTF	7474	0.73	0.44	0.00	1.00
R9RFCNTF	7831	0.74	0.44	0.00	1.00
S1RFCNTF	7368	0.75	0.43	0.00	1.00
S2RFCNTF	5726	0.72	0.45	0.00	1.00
S3RFCNTF	5811	0.73	0.44	0.00	1.00
S4RFCNTF	6751	0.75	0.43	0.00	1.00
S5RFCNTF	6374	0.72	0.45	0.00	1.00
S6RFCNTF	6519	0.73	0.44	0.00	1.00
S7RFCNTF	5921	0.72	0.45	0.00	1.00
S8RFCNTF	5116	0.70	0.46	0.00	1.00
R2RFCNTPM	8181	0.73	0.44	0.00	1.00
R3RFCNTPM	8056	0.74	0.44	0.00	1.00
R5RFCNTPM	8880	0.74	0.44	0.00	1.00
R6RFCNTPM	8855	0.75	0.43	0.00	1.00
R7RFCNTPM	8060	0.75	0.43	0.00	1.00
R8RFCNTPM	7107	0.75	0.43	0.00	1.00
R9RFCNTPM	7384	0.76	0.42	0.00	1.00
S2RFCNTPM	5615	0.70	0.46	0.00	1.00
S3RFCNTPM	5513	0.71	0.45	0.00	1.00
S5RFCNTPM	6122	0.71	0.45	0.00	1.00
S6RFCNTPM	6163	0.72	0.45	0.00	1.00
S7RFCNTPM	5566	0.73	0.45	0.00	1.00
S8RFCNTPM	4848	0.72	0.45	0.00	1.00
S9RFCNTPM	4950	0.74	0.44	0.00	1.00
R2RFCNT	8465	0.86	0.34	0.00	1.00
R3RFCNT	8600	0.88	0.33	0.00	1.00
R5RFCNT	9286	0.87	0.34	0.00	1.00
R6RFCNT	9406	0.88	0.33	0.00	1.00
R7RFCNT	8599	0.88	0.32	0.00	1.00
R8RFCNT	7504	0.87	0.34	0.00	1.00
R9RFCNT	7865	0.88	0.32	0.00	1.00
S2RFCNT	5751	0.84	0.36	0.00	1.00
S3RFCNT	5838	0.86	0.35	0.00	1.00
S5RFCNT	6387	0.85	0.35	0.00	1.00
S6RFCNT	6533	0.86	0.34	0.00	1.00
S7RFCNT	5938	0.87	0.34	0.00	1.00
S8RFCNT	5131	0.85	0.35	0.00	1.00
S9RFCNT	5291	0.87	0.34	0.00	1.00

### Categorical Variable Codes

Value-----	R1RFCNTF	R2RFCNTF	R3RFCNTF	R4RFCNTF	R5RFCNTF
.c:no self-completion inter	824	836	1052	1192	885
.m:Missing	275	63	52	51	36
.n:Not Applicable	79	33	37	28	45
.r:Refuse	108	87	67	38	48
0.no	2498	2174	2101	2230	2371
1.yes	8315	6239	6457	7511	6889

Value-----	R6RFCNTF	R7RFCNTF	R8RFCNTF	R9RFCNTF
.c:no self-completion inter	1107	990	862	792
.m:Missing	17	16	71	32

.n:Not Applicable	39	27	38	32
.r:Refuse	64	76		49
0.no	2341	2170	2025	2041
1.yes	7033	6387	5449	5790
Value-----		R2RFCNTPM	R3RFCNTPM	R5RFCNTPM
.c:no self-completion inter		1078	1534	1244
.m:Missing		76	65	47
.n:Not Applicable		40	48	54
.r:Refuse		57	63	49
0.no		2218	2103	2284
1.yes		5963	5953	6596
Value-----	R6RFCNTPM	R7RFCNTPM	R8RFCNTPM	R9RFCNTPM
.c:no self-completion inter	1605	1469	1223	1234
.m:Missing	27	19	67	36
.n:Not Applicable	47	39	48	43
.r:Refuse	67	79		39
0.no	2214	1986	1795	1745
1.yes	6641	6074	5312	5639
Value-----		S2RFCNTPM	S3RFCNTPM	S5RFCNTPM
.c:no self-completion inter		457	771	751
.m:Missing		57	42	33
.n:Not Applicable		18	26	28
.r:Refuse		31	32	30
.u:Unmar		2671	2706	2742
.v:SP NR		583	676	568
0.no		1684	1583	1755
1.yes		3931	3930	4367
Value-----	S6RFCNTPM	S7RFCNTPM	S8RFCNTPM	S9RFCNTPM
.c:no self-completion inter	999	902	761	789
.m:Missing	11	13	48	25
.n:Not Applicable	28	26	31	29
.r:Refuse	41	53		27
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	1697	1514	1353	1285
1.yes	4466	4052	3495	3665
Value-----		R2RFCNT	R3RFCNT	R5RFCNT
.c:no self-completion inter		836	1052	885
.m:Missing		63	52	36
.n:Not Applicable		33	37	45
.r:Refuse		35	25	22
0.no		1154	1068	1199
1.yes		7311	7532	8087
Value-----	R6RFCNT	R7RFCNT	R8RFCNT	R9RFCNT
.c:no self-completion inter	1107	990	862	792
.m:Missing	17	16	41	32
.n:Not Applicable	39	27	38	32
.r:Refuse	32	34		15
0.no	1157	1022	981	935
1.yes	8249	7577	6523	6930
Value-----		S2RFCNT	S3RFCNT	S5RFCNT
.c:no self-completion inter		345	481	512
.m:Missing		48	31	25
.n:Not Applicable		13	20	23
.r:Refuse		21	14	17
.u:Unmar		2671	2706	2742
.v:SP NR		583	676	568
0.no		897	807	927
1.yes		4854	5031	5460
Value-----	S6RFCNT	S7RFCNT	S8RFCNT	S9RFCNT
.c:no self-completion inter	656	573	508	478
.m:Missing	8	10	26	21
.n:Not Applicable	26	19	23	21

.r:Refuse	19	20		9
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	894	783	758	694
1.yes	5639	5155	4373	4597

## How Constructed

A series of self-completion questions about the respondent's and spouse's contact with their relatives and friends are asked to the respondent. These variables can be found in the previous sections "Any Weekly Contact with Relatives in Person, by Phone, Mail or E-mail" and "Any Weekly Contact with Friends in Person, by Phone, Mail or E-mail". In this section, the variables RwRCNTF and RwFCNTF are merged to create the new variable RwrFCNTF, RwrCNTPM and RwFCNTPM to create RwrFCNTPM and RwrCNT and RwrCNT to create RwrFCNT, which represent "Any Weekly Contact with Relatives OR Friends in Person, by Phone, Mail or E-mail"

RwrFCNTF indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their relatives or friends in person at the individual level. A code of 1 is used if the respondent reports any in-person contact either three or more times a week or once to twice a week with either relatives or friends. A code of 1 is also used if the respondent reported co-residing with any relative. A code of 0 is used if the respondent did not report any weekly in-person contact with either relatives or friends. If the respondent has no relatives and friends, a special missing value of .n is assigned. If the respondent is not considered part of the self-completion sample, a special missing value .c is assigned. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwrFCNTF is set to blank missing (.) if the respondent did not participate in the current wave.

RwrCNTPM indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their relatives or friends via phone, mail, email or text at the individual level. A code of 1 is used if the respondent reports any contact via phone, mail, email or text either three or more times a week or once to twice a week with either relatives or friends. A code of 0 is used if the respondent did not report any weekly contact via phone, mail, email or text with either relatives or friends. If the respondent has no relatives and friends, a special missing value of .n is assigned. If the respondent is not considered part of the self-completion sample, a special missing value .c is assigned. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwrCNTPM is set to blank missing (.) if the respondent did not participate in the current wave.

RwrCNT indicates whether the respondent has any frequent (i.e., at least weekly) contact with any of their relatives or friends either in person or via phone, mail, email or text at the individual level. A code of 1 is used if the respondent reports any contact in-person or via phone, mail, email, or text either three or more times a week or once to twice a week with either relatives or friends. A code of 1 is also used if the respondent reported co-residing with any relative. A code of 0 is used if the respondent did not report any weekly in-person or phone/mail/email/text contact with either relatives or friends. If the respondent has no relatives and friends, a special missing value of .n is assigned. If the respondent is not considered part of the self-completion sample, a special missing value .c is assigned. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwrCNT is set to blank missing (.) if the respondent did not participate in the current wave.

SwrFCNTF, SwrCNTPM and SwrCNT give the information for the respondent's spouse or partner and are taken directly from the respondent's spouse's values to RwrFCNTF, RwrCNTPM and RwrCNT. In addition to the special missing codes used in RwrFCNTF, RwrCNTPM and RwrCNT, SwrFCNTF, SwrCNTPM and SwrCNT employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

The question, "On average, how often do you do each of the following with any of these family members, not counting any who live with you, speak on the phone?" is included in every wave's self-completion survey; however, the corresponding variable is missing from the wave 1 and wave 4 core data files. Therefore, due to insufficient components, RwrCNTPM and RwrCNT are not available in Wave 1 and Wave 4;

this, therefore, also prevents the construction of the variables RWRFCNTPM and RWRFCNT in Wave 1 and Wave 4.

## Differences with the RAND HRS/Harmonized HRS

Comparable variables are available in the Harmonized HRS.

## ELSA Variables Used

### Wave 1 Core:

SCFAM	do you have any other immediate family
SCFAMG	on average how often meet up with family members
SCFAMI	on average how often do you write or email family member
SCFRD	do you have any friends
SCFRDG	on average how of do you meet up with your friends
SCFRDH	on average how often do you speak on the phone with your
SCFRDI	on average how often do you write or email your friends

### Wave 2 Core:

SCFAM	Whether the respondent has any other immediate family
SCFAMG	How often the respondent meets up with other relatives
SCFAMH	How often the respondent speaks with other relatives on
SCFAMI	How often the respondent writes to or emails other relat
SCFRD	Whether the respondent has any friends
SCFRDG	How often the respondent meets up with their friends
SCFRDH	How often the respondent speaks with their friends on th
SCFRDI	How often the respondent writes to or emails their frien

### Wave 3 Core:

SCFAM	whether the respondent has any other immediate family
SCFAMG	how often the respondent meets up with other relatives
SCFAMH	how often the respondent speaks with other relatives on
SCFAMI	how often the respondent writes to or emails other relat
SCFRD	whether the respondent has any friends
SCFRDG	how often the respondent meets up with their friends
SCFRDH	how often the respondent speaks with their friends on th
SCFRDI	how often the respondent writes to or emails their frien

### Wave 4 Core:

SCFAM	whether the respondent has any other immediate family
SCFAMG	how often the respondent meets up with other relatives
SCFAMI	how often the respondent writes to or emails other relat
SCFRD	whether the respondent has any friends
SCFRDG	how often the respondent meets up with their friends
SCFRDH	how often the respondent speaks with their friends on th
SCFRDI	how often the respondent writes to or emails their frien

### Wave 5 Core:

SCFAM	Whether the respondent has any other immediate family
SCFAMG	How often the respondent meets up with other relatives
SCFAMH	How often the respondent speaks on the phone to other re
SCFAMI	How often the respondent writes to or emails other relat
SCFRD	Whether the respondent has any friends
SCFRDG	How often the respondent meets up with their friends
SCFRDH	How often the respondent speaks with their friends on th
SCFRDI	How often the respondent writes to or emails their frien

### Wave 6 Core:

SCFAM	whether the respondent has any other immediate family
SCFAMG	how often the respondent meets up with other relatives
SCFAMH	how often the respondent speaks on phone with other rela
SCFAMI	how often the respondent writes to or emails other relat
SCFAMT	how often the respondent sends or receives text messages
SCFRD	whether the respondent has any friends
SCFRDG	how often the respondent meets up with their friends
SCFRDH	how often the respondent speaks with their friends on th
SCFRDI	how often the respondent writes to or emails their frien

SCFRDT	how often the respondent sends or receives text message
Wave 7 Core:	
SCFAM	whether the respondent has any other immediate family
SCFAMH	how often the respondent meets up with other relatives
SCFAMI	how often the respondent speaks on the phone to other re
SCFAMJ	how often the respondent writes to or emails other relat
SCFAMK	how often the respondent sends or receives text messages
SCFRD	whether the respondent has any friends
SCFRDH	how often the respondent meets up with their friends
SCFRDI	how often the respondent speaks with their friends on th
SCFRDJ	how often the respondent writes to or emails their frien
SCFRDK	how often the respondent sends/receives text messages fr
Wave 8 Core:	
SCFAM	whether the respondent has any other immediate family (e
SCFAMH	how often the respondent meets up with other family memb
SCFAMI	how often the respondent speaks on the phone to other fa
SCFAMJ	how often the respondent writes to or emails other famil
SCFAMK	how often the respondent sends or receives text messages
SCFRD	whether the respondent has any friends
SCFRDH	how often the respondent meets up with their friends
SCFRDI	how often the respondent speaks with their friends on th
SCFRDJ	how often the respondent writes to or emails their frien
SCFRDK	how often the respondent sends/receives text messages fr
Wave 9 Core:	
SCFAM	Whether the respondent has any other immediate family (e
SCFAMH	How often the respondent meets up with other family memb
SCFAMI	How often the respondent speaks on the phone to other fa
SCFAMJ	How often the respondent writes to or emails other famil
SCFAMK	How often the respondent sends or receives text messages
SCFRD	Whether the respondent has any friends
SCFRDH	How often the respondent meets up with their friends
SCFRDI	How often the respondent speaks with their friends on th
SCFRDJ	How often the respondent writes to or emails their frien
SCFRDK	How often the respondent sends/receives text messages fr

<b>Financial Transfers to Family and Others</b>
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Wave	Variable	Label	Type
2	H2GANY	h2gany:w2 Any transfers given	Categ
4	H4GANY	h4gany:w4 Any transfers given	Categ
5	H5GANY	h5gany:w5 Any transfers given	Categ
6	H6GANY	h6gany:w6 Any transfers given	Categ
7	H7GANY	h7gany:w7 Any transfers given	Categ
8	H8GANY	h8gany:w8 Any transfers given	Categ
9	H9GANY	h9gany:w9 Any transfers given	Categ
4	H4TCANY	h4tcany:w4 Any transfers given to children/grandchildren	Categ
5	H5TCANY	h5tcany:w5 Any transfers given to children/grandchildren	Categ
6	H6TCANY	h6tcany:w6 Any transfers given to children/grandchildren	Categ
7	H7TCANY	h7tcany:w7 Any transfers given to children/grandchildren	Categ
8	H8TCANY	h8tcany:w8 Any transfers given to children/grandchildren	Categ
9	H9TCANY	h9tcany:w9 Any transfers given to children/grandchildren	Categ
4	H4TOANY	h4toany:w4 Any transfers given to other relatives	Categ
5	H5TOANY	h5toany:w5 Any transfers given to other relatives	Categ
6	H6TOANY	h6toany:w6 Any transfers given to other relatives	Categ
7	H7TOANY	h7toany:w7 Any transfers given to other relatives	Categ
8	H8TOANY	h8toany:w8 Any transfers given to other relatives	Categ
9	H9TOANY	h9toany:w9 Any transfers given to other relatives	Categ
4	H4TFANY	h4tfany:w4 Any transfers given to other non-relatives	Categ
5	H5TFANY	h5tfany:w5 Any transfers given to other non-relatives	Categ
6	H6TFANY	h6tfany:w6 Any transfers given to other non-relatives	Categ
7	H7TFANY	h7tfany:w7 Any transfers given to other non-relatives	Categ
8	H8TFANY	h8tfany:w8 Any transfers given to other non-relatives	Categ
9	H9TFANY	h9tfany:w9 Any transfers given to other non-relatives	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H2GANY	9314	0.66	0.47	0.00	1.00
H4GANY	10881	0.63	0.48	0.00	1.00
H5GANY	10091	0.65	0.48	0.00	1.00
H6GANY	10382	0.65	0.48	0.00	1.00
H7GANY	9506	0.68	0.47	0.00	1.00
H8GANY	8320	0.67	0.47	0.00	1.00
H9GANY	8567	0.67	0.47	0.00	1.00
H4TCANY	10922	0.23	0.42	0.00	1.00
H5TCANY	10137	0.23	0.42	0.00	1.00
H6TCANY	10447	0.24	0.43	0.00	1.00
H7TCANY	9548	0.24	0.43	0.00	1.00
H8TCANY	8340	0.26	0.44	0.00	1.00
H9TCANY	8633	0.25	0.43	0.00	1.00
H4TOANY	10922	0.06	0.23	0.00	1.00
H5TOANY	10137	0.05	0.22	0.00	1.00
H6TOANY	10447	0.05	0.22	0.00	1.00
H7TOANY	9548	0.05	0.21	0.00	1.00
H8TOANY	8340	0.05	0.22	0.00	1.00
H9TOANY	8633	0.05	0.22	0.00	1.00
H4TFANY	10922	0.02	0.14	0.00	1.00
H5TFANY	10137	0.02	0.13	0.00	1.00



H6TFANY	10447	0.02	0.14	0.00	1.00
H7TFANY	9548	0.02	0.12	0.00	1.00
H8TFANY	8340	0.02	0.13	0.00	1.00
H9TFANY	8633	0.02	0.13	0.00	1.00

### Categorical Variable Codes

Value-----		H2GANY		H4GANY	H5GANY
.d:DK		86		51	57
.m:Missing		9		78	77
.r:Refuse		23		40	49
0.no		3175		4048	3547
1.yes		6139		6833	6544

Value-----	H6GANY	H7GANY	H8GANY	H9GANY
.d:DK	90	55	43	76
.m:Missing	80	57	61	59
.r:Refuse	49	48	21	34
0.no	3616	3062	2744	2845
1.yes	6766	6444	5576	5722

Value-----				H4TCANY	H5TCANY
.d:DK				16	14
.m:Missing				98	101
.r:Refuse				14	22
0.no				8434	7788
1.yes				2488	2349

Value-----	H6TCANY	H7TCANY	H8TCANY	H9TCANY
.d:DK	29	11	14	18
.m:Missing	99	83	77	68
.r:Refuse	26	24	14	17
0.no	7917	7248	6143	6504
1.yes	2530	2300	2197	2129

Value-----				H4TOANY	H5TOANY
.d:DK				16	14
.m:Missing				98	101
.r:Refuse				14	22
0.no				10288	9623
1.yes				634	514

Value-----	H6TOANY	H7TOANY	H8TOANY	H9TOANY
.d:DK	29	11	14	18
.m:Missing	99	83	77	68
.r:Refuse	26	24	14	17
0.no	9939	9102	7916	8186
1.yes	508	446	424	447

Value-----				H4TFANY	H5TFANY
.d:DK				16	14
.m:Missing				98	101
.r:Refuse				14	22
0.no				10690	9964
1.yes				232	173

Value-----	H6TFANY	H7TFANY	H8TFANY	H9TFANY
.d:DK	29	11	14	18
.m:Missing	99	83	77	68
.r:Refuse	26	24	14	17
0.no	10250	9398	8196	8488
1.yes	197	150	144	145

### How Constructed

HwGANY indicates whether the respondent and spouse gave any financial help to relatives or other people outside of their household, including money to charity, in the last four weeks. A code of 0 indicates that the respondent and spouse did not give any financial support to anyone. A code of 1 indicates that

the respondent and spouse gave some financial support to relatives or other people outside of their household. Don't know, refused, or other missing responses to HwGANY are assigned special missing codes .d, .r, .m, respectively. HwGANY is set to blank missing (.) if the respondent did not participate in the current wave.

HwTCANY indicates whether the respondent and spouse gave any financial help to their own children and/or grandchildren in the last four weeks. A code of 0 indicates that the respondent and spouse did not give any financial support to any of their children and/or grandchildren. A code of 1 indicates that the respondent and spouse gave some financial support to their children and/or grandchildren. Don't know, refused, or other missing responses to HwTCANY are assigned special missing codes .d, .r, .m, respectively. HwTCANY is set to blank missing (.) if the respondent did not participate in the current wave.

HwTOANY indicates whether the respondent and spouse gave any financial help to other relatives in the last four weeks. A code of 0 indicates that the respondent and spouse did not give any financial support to any other relatives. A code of 1 indicates that the respondent and spouse gave some financial support to other relatives. Don't know, refused, or other missing responses to HwTOANY are assigned special missing codes .d, .r, .m, respectively. HwTOANY is set to blank missing (.) if the respondent did not participate in the current wave.

HwTFANY indicates whether the respondent and spouse gave any financial help to other non-relatives in the last four weeks. A code of 0 indicates that the respondent and spouse did not give any financial support to any other non-relatives. A code of 1 indicates that the respondent and spouse gave some financial support to other non-relatives. Don't know, refused, or other missing responses to HwTFANY are assigned special missing codes .d, .r, .m, respectively. HwTFANY is set to blank missing (.) if the respondent did not participate in the current wave.

## Cross Wave Differences in ELSA

The questions relating to the respondent and spouse giving any financial help to family or non-family members are not included in the Wave 1 and Wave 3 questionnaire. Unlike the Wave 2 questionnaire, beginning in Wave 4, ELSA further asks the respondent "can you tell me who you gave that money to?" The variables for whether the respondent and spouse gave financial transfers to children/grandchildren, relatives and non-relatives are only available beginning in Wave 4.

## Differences with the RAND HRS/Harmonized HRS

Comparable variables can be found in the RAND HRS Family data.

## ELSA Variables Used

### Wave 2 Core:

HOTRAN HH Spending on transfers out of home in last 4 weeks

### Wave 4 Core:

HOTRAN amount given to relatives or other people outside of hom  
 HOTRANGC money given to grandchild(ren)  
 HOTRANNR money given to other non-relative  
 HOTRANOC money given to own child(ren)  
 HOTRANOR money given to other relative

### Wave 5 Core:

HOTRAN Amount given to relatives or other people outside of hom  
 HOTRANGC Money given to grandchild(ren)  
 HOTRANNR Money given to other non-relative  
 HOTRANOC Money given to own child(ren)  
 HOTRANOR Money given to other relative

### Wave 6 Core:

HOTRAN amount given to relatives or other people outside of hom  
 HOTRANGC money given to grandchild(ren)  
 HOTRANNR money given to other non-relative  
 HOTRANOC money given to own child(ren)  
 HOTRANOR money given to other relative

### Wave 7 Core:

HOTRAN amount given to relatives or other people outside of hom  
HOTRANGC money given to grandchild(ren)  
HOTRANNR money given to other non-relative  
HOTRANOC money given to own child(ren)  
HOTRANOR money given to other relative

## Wave 8 Core:

HOTRAN amount given to relatives or other people outside of hom  
HOTRANGC money given to grandchild(ren)  
HOTRANNR money given to other non-relative  
HOTRANOC money given to own child(ren)  
HOTRANOR money given to other relative

## Wave 9 Core:

HOTRAN Amount given to relatives or other people outside of hom  
HOTRANGC Money given to grandchild(ren)  
HOTRANNR Money given to other non-relative  
HOTRANOC Money given to own child(ren)  
HOTRANOR Money given to other relative

### Whether Participates in Any Social Activity

Wave	Variable	Label	Type
1	R1SOCYR	r1socy:r:w1 R participate in social activities	Categ
2	R2SOCYR	r2socy:r:w2 R participate in social activities	Categ
3	R3SOCYR	r3socy:r:w3 R participate in social activities	Categ
4	R4SOCYR	r4socy:r:w4 R participate in social activities	Categ
5	R5SOCYR	r5socy:r:w5 R participate in social activities	Categ
6	R6SOCYR	r6socy:r:w6 R participate in social activities	Categ
7	R7SOCYR	r7socy:r:w7 R participate in social activities	Categ
8	R8SOCYR	r8socy:r:w8 R participate in social activities	Categ
9	R9SOCYR	r9socy:r:w9 R participate in social activities	Categ
1	S1SOCYR	s1socy:r:w1 S participate in social activities	Categ
2	S2SOCYR	s2socy:r:w2 S participate in social activities	Categ
3	S3SOCYR	s3socy:r:w3 S participate in social activities	Categ
4	S4SOCYR	s4socy:r:w4 S participate in social activities	Categ
5	S5SOCYR	s5socy:r:w5 S participate in social activities	Categ
6	S6SOCYR	s6socy:r:w6 S participate in social activities	Categ
7	S7SOCYR	s7socy:r:w7 S participate in social activities	Categ
8	S8SOCYR	s8socy:r:w8 S participate in social activities	Categ
9	S9SOCYR	s9socy:r:w9 S participate in social activities	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SOCYR	9243	0.36	0.48	0.00	1.00
R2SOCYR	6304	0.41	0.49	0.00	1.00
R3SOCYR	6527	0.40	0.49	0.00	1.00
R4SOCYR	8369	0.32	0.47	0.00	1.00
R5SOCYR	8070	0.33	0.47	0.00	1.00
R6SOCYR	8216	0.33	0.47	0.00	1.00
R7SOCYR	7470	0.33	0.47	0.00	1.00
R8SOCYR	6548	0.33	0.47	0.00	1.00
R9SOCYR	6778	0.32	0.47	0.00	1.00
S1SOCYR	6380	0.38	0.48	0.00	1.00
S2SOCYR	4331	0.42	0.49	0.00	1.00
S3SOCYR	4436	0.41	0.49	0.00	1.00
S4SOCYR	5827	0.33	0.47	0.00	1.00
S5SOCYR	5600	0.34	0.47	0.00	1.00
S6SOCYR	5771	0.35	0.48	0.00	1.00
S7SOCYR	5186	0.34	0.47	0.00	1.00
S8SOCYR	4503	0.33	0.47	0.00	1.00
S9SOCYR	4561	0.33	0.47	0.00	1.00

### Categorical Variable Codes

Value-----	R1SOCYR	R2SOCYR	R3SOCYR	R4SOCYR	R5SOCYR
.c:no self-completion inter	1113	1078	1534	1776	1244
.m:Missing	502	588	472	394	485
.r:Refuse	1241	1462	1233	511	475
0.no	5885	3693	3936	5662	5414
1.yes	3358	2611	2591	2707	2656

Value-----	R6SOCYR	R7SOCYR	R8SOCYR	R9SOCYR
.c:no self-completion inter	1605	1469	1223	1234
.i:invalid answer			302	
.m:Missing	421	394	372	

.r:Refuse	359	333		724	
0.no	5487	5021	4389	4590	
1.yes	2729	2449	2159	2188	
Value-----	S1SOCYR	S2SOCYR	S3SOCYR	S4SOCYR	S5SOCYR
.c:no self-completion inter	533	457	771	925	751
.m:Missing	329	418	324	293	313
.r:Refuse	828	972	853	357	300
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3974	2516	2622	3877	3713
1.yes	2406	1815	1814	1950	1887
Value-----	S6SOCYR	S7SOCYR	S8SOCYR	S9SOCYR	
.c:no self-completion inter	999	902	761	789	
.i:invalid answer			186		
.m:Missing	258	259	238		
.r:Refuse	214	213		470	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3775	3432	2999	3051	
1.yes	1996	1754	1504	1510	

## How Constructed

RwSOCYR indicates whether the respondent is a member of an organization, club or society and attends at least one committee meeting in a year.

The list of organizations, clubs or societies include:

1. Political party, trade union or environmental groups
2. Tenants group, resident groups neighbourhood watch
3. Church or other religious groups
4. Charitable associations
5. Education, arts or music groups or evening classes
6. Social clubs
7. Sports clubs, gyms, exercise classes
8. Any other organizations, clubs or societies

A code of 0 indicates that the respondent is not a member of any organization, club, or society, or does not attend any committee meetings, and a code of 1 indicates that the respondent does attend at least one committee meeting in a year. Don't know, refuse, and other missing responses are coded as .d, .r, .m, respectively. Special missing code .c is assigned when there is no self-completion interview. RwSOCYR is set to blank missing (.) for respondents who did not respond to the current wave.

SwSOCYR indicates whether the respondent's spouse is a member of any organizations, clubs or societies and attend at least one committee meeting in a year. It is taken from the spouse's values to RwsOCYR. In addition to the special missing codes used in RwsOCYR, SwSOCYR employs two additional special missing values, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

The Harmonized HRS includes RwsOCWK and RwsOCMN, indicating whether the respondent participates in social activities on a weekly or monthly basis, respectively. RwsOCYR in the Harmonized ELSA indicates whether the respondent participates in social activities on a yearly basis.

## ELSA Variables Used

Wave 1 Core:	
SCORG9	no, i am not a member of any organisations, clubs or soc
SCORGN	how many committee meetings, if any do you attend in a
Wave 2 Core:	
SCORG09	Organisational membership: not a member of any organisat
SCORGN	Number of committee meetings attends in a year
Wave 3 Core:	
SCORG09	respondent is not a member of any organisations, clubs o
SCORGN	number of committee meetings, if any, respondent has att
Wave 4 Core:	
SCORG09	respondent is not a member of any organisations, clubs o
SCORGN	number of committee meetings, if any, respondent has att
Wave 5 Core:	
SCORG09	Respondent is NOT a member of any organisations, clubs o
SCORGN	Number of committee meetings, if any, respondent has att
Wave 6 Core:	
SCORG09	respondent is not a member of any organisations, clubs o
SCORGN	number of committee meetings, if any, respondent has att
Wave 7 Core:	
SCORG09	respondent is not a member of any organisations, clubs o
SCORGN	number of committee meetings, if any, respondent has att
Wave 8 Core:	
SCORG96	respondent is not a member of any organisations, clubs o
SCORGN	number of committee meetings attends in a year
Wave 9 Core:	
SCORG96	Respondent is not a member of any organisations, clubs o
SCORGN	Number of committee meetings attends in a year

## **Section H: Employment History**

<b>Currently Working for Pay</b>
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Wave	Variable	Label	Type
1	R1WORK	r1work:w1 R working for pay	Categ
2	R2WORK	r2work:w2 R working for pay	Categ
3	R3WORK	r3work:w3 R working for pay	Categ
4	R4WORK	r4work:w4 R working for pay	Categ
5	R5WORK	r5work:w5 R working for pay	Categ
6	R6WORK	r6work:w6 R working for pay	Categ
7	R7WORK	r7work:w7 R working for pay	Categ
8	R8WORK	r8work:w8 R working for pay	Categ
9	R9WORK	r9work:w9 R working for pay	Categ
1	S1WORK	s1work:w1 S working for pay	Categ
2	S2WORK	s2work:w2 S working for pay	Categ
3	S3WORK	s3work:w3 S working for pay	Categ
4	S4WORK	s4work:w4 S working for pay	Categ
5	S5WORK	s5work:w5 S working for pay	Categ
6	S6WORK	s6work:w6 S working for pay	Categ
7	S7WORK	s7work:w7 S working for pay	Categ
8	S8WORK	s8work:w8 S working for pay	Categ
9	S9WORK	s9work:w9 S working for pay	Categ
1	R1WORK2	r1work2:w1 R Works at 2nd job	Categ
2	R2WORK2	r2work2:w2 R Works at 2nd job	Categ
3	R3WORK2	r3work2:w3 R Works at 2nd job	Categ
4	R4WORK2	r4work2:w4 R Works at 2nd job	Categ
5	R5WORK2	r5work2:w5 R Works at 2nd job	Categ
6	R6WORK2	r6work2:w6 R Works at 2nd job	Categ
7	R7WORK2	r7work2:w7 R Works at 2nd job	Categ
8	R8WORK2	r8work2:w8 R Works at 2nd job	Categ
9	R9WORK2	r9work2:w9 R Works at 2nd job	Categ
1	S1WORK2	s1work2:w1 S Works at 2nd job	Categ
2	S2WORK2	s2work2:w2 S Works at 2nd job	Categ
3	S3WORK2	s3work2:w3 S Works at 2nd job	Categ
4	S4WORK2	s4work2:w4 S Works at 2nd job	Categ
5	S5WORK2	s5work2:w5 S Works at 2nd job	Categ
6	S6WORK2	s6work2:w6 S Works at 2nd job	Categ
7	S7WORK2	s7work2:w7 S Works at 2nd job	Categ
8	S8WORK2	s8work2:w8 S Works at 2nd job	Categ
9	R9WORK2	r9work2:w9 R Works at 2nd job	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORK	12090	0.38	0.48	0.00	1.00
R2WORK	9431	0.35	0.48	0.00	1.00
R3WORK	9763	0.40	0.49	0.00	1.00
R4WORK	11040	0.39	0.49	0.00	1.00
R5WORK	10265	0.34	0.47	0.00	1.00
R6WORK	10599	0.35	0.48	0.00	1.00
R7WORK	9665	0.34	0.47	0.00	1.00
R8WORK	8442	0.29	0.45	0.00	1.00
R9WORK	8735	0.34	0.47	0.00	1.00
S1WORK	8062	0.44	0.50	0.00	1.00
S2WORK	6177	0.41	0.49	0.00	1.00
S3WORK	6383	0.48	0.50	0.00	1.00



S4WORK	7394	0.45	0.50	0.00	1.00
S5WORK	6958	0.40	0.49	0.00	1.00
S6WORK	7240	0.40	0.49	0.00	1.00
S7WORK	6559	0.39	0.49	0.00	1.00
S8WORK	5685	0.33	0.47	0.00	1.00
S9WORK	5819	0.38	0.49	0.00	1.00
R1WORK2	11901	0.03	0.17	0.00	1.00
R2WORK2	9306	0.03	0.17	0.00	1.00
R3WORK2	9704	0.03	0.17	0.00	1.00
R4WORK2	10764	0.03	0.17	0.00	1.00
R5WORK2	9959	0.02	0.16	0.00	1.00
R6WORK2	10358	0.03	0.16	0.00	1.00
R7WORK2	9433	0.02	0.15	0.00	1.00
R8WORK2	8287	0.02	0.13	0.00	1.00
R9WORK2	8516	0.02	0.14	0.00	1.00
S1WORK2	7930	0.03	0.18	0.00	1.00
S2WORK2	6082	0.03	0.18	0.00	1.00
S3WORK2	6328	0.03	0.18	0.00	1.00
S4WORK2	7131	0.03	0.18	0.00	1.00
S5WORK2	6667	0.03	0.16	0.00	1.00
S6WORK2	7004	0.03	0.16	0.00	1.00
S7WORK2	6330	0.03	0.16	0.00	1.00
S8WORK2	5533	0.02	0.14	0.00	1.00
R9WORK2	8516	0.02	0.14	0.00	1.00

**Categorical Variable Codes**

Value-----	R1WORK	R2WORK	R3WORK	R4WORK	R5WORK
.d:DK	5			2	4
.m:Missing			3		
.r:Refuse	4	1		8	5
0.Not working for pay	7534	6161	5819	6769	6739
1.Working for pay	4556	3270	3944	4271	3526
Value-----	R6WORK	R7WORK	R8WORK	R9WORK	
.d:DK		1	2	1	
.r:Refuse	2	1	1		
0.Not working for pay	6895	6402	5987	5762	
1.Working for pay	3704	3263	2455	2973	
Value-----	S1WORK	S2WORK	S3WORK	S4WORK	S5WORK
.d:DK	4			2	3
.m:Missing			1		
.r:Refuse	4	1		6	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.Not working for pay	4522	3666	3324	4096	4173
1.Working for pay	3540	2511	3059	3298	2785
Value-----	S6WORK	S7WORK	S8WORK	S9WORK	
.d:DK		1	2	1	
.r:Refuse	2	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.Not working for pay	4319	4008	3799	3617	
1.Working for pay	2921	2551	1886	2202	
Value-----	R1WORK2	R2WORK2	R3WORK2	R4WORK2	R5WORK2
.d:DK	11		6	2	110
.m:Missing	2	2	1	137	
.p:proxy	175	123	49	136	201
.r:Refuse	10	1	6	11	4
0.Not working for pay	11546	9044	9418	10447	9712
1.Working for pay	355	262	286	317	247

Value-----	R6WORK2	R7WORK2	R8WORK2	R9WORK2		
.d:DK	3	1	2	1		
.p:proxy	235	225	153	218		
.r:Refuse	5	7	3	1		
0.Not working for pay	10088	9214	8140	8334		
1.Working for pay	270	219	147	182		
Value-----	S1WORK2	S2WORK2	S3WORK2	S4WORK2	S5WORK2	
.d:DK	9		5	2	97	
.m:Missing	2	2	1	128		
.p:proxy	122	93	47	135	198	
.r:Refuse	7	1	3	6	2	
.u:Unmar	3561	2671	2706	2932	2742	
.v:SP NR	468	583	676	716	568	
0.Not working for pay	7653	5886	6108	6898	6488	
1.Working for pay	277	196	220	233	179	
Value-----	S6WORK2	S7WORK2	S8WORK2	R9WORK2		
.d:DK	3	1	2	1		
.p:proxy	232	223	151	218		
.r:Refuse	3	6	2	1		
.u:Unmar	2802	2548	2255			
.v:SP NR	557	558	502			
0.Not working for pay	6809	6169	5422	8334		
1.Working for pay	195	161	111	182		

## How Constructed

RwWORK is derived from a set of questions about activities done over the past month. A value of 0 indicates that the respondent is not currently doing paid work and a value of 1 indicates that the respondent is currently doing paid work. Don't know, refused, or other missing responses of RwWORK are assigned special missing codes .d, .r, .m, respectively. RwWORK is set to plain missing (.) for respondents who did not respond to the current wave.

RwWORK2 indicates whether the respondent is working at a second job. If RwWORK is set to 0, RwWORK2 is also set to 0 (No). ELSA surveys respondents as to working other or casual paid jobs, such as paid babysitting, mail order agent, pools agent, etc. Don't know, refused, or other missing responses of RwWORK2 are assigned special missing codes .d, .r, .m, respectively. If the respondent's survey was conducted with a proxy, RwWORK2 is set to special missing .p. RwWORK2 is set to plain missing (.) for respondents who did not respond to the current wave.

Using a show card, ELSA asks respondents to identify all activities in which they have participated over the last month from the following list: paid work, self-employment, voluntary work, cared for sick or disabled adult, looked after home or family, attended a formal educational or training course, or none of the above. Respondents who reported doing either paid work or self-employment over the last month were considered to be currently doing paid work. Respondents who did not report doing either paid work or self-employment were considered to be currently not doing paid work.

SwWORK indicates whether the respondent's spouse in the current wave is working for pay. It is taken from the spouse's values to RwWORK. SwWORK2 indicates whether the respondent's spouse in the current wave is working at a second job. It is taken from the spouse's values to RwWORK2. In addition to the special missing codes employed by RwWORK and RwWORK2, SwWORK and SwWORK2 employ additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

The HRS directly asks the respondents "are you doing any work for pay at the present time." Alternatively, ELSA asks the respondent to identify working for pay from a variety of employment

activities. The time span of ELSA is specific to the last month, whereas the HRS refers to the present time. HRS also does not separate out working for pay and self-employment, whereas ELSA identifies these as two separate paid work activities.

HRS surveys the respondent about a second job by asking, "are you doing any other work for pay now, such as (another) business of your own, a second job, or the military reserve." Unlike the HRS, ELSA uses paid babysitting, mail order agent, or pool agent as examples of secondary work.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
WPACT1	did you do any of these activities during the last month
WPACT2	did you do any of these activities during the last month
WPACT3	did you do any of these activities during the last month
WPACT4	did you do any of these activities during the last month
WPACT5	did you do any of these activities during the last month
WPACT6	did you do any of these activities during the last month
WPMOJ	do you currently earn any money from any work apart from

### Wave 2 Core:

ASKPX1	Whether interviewed by proxy
WPACT1	Activities during the last month (1st mention)
WPACT2	Activities during the last month (2nd mention)
WPACT3	Activities during the last month (3rd mention)
WPACT4	Activities during the last month (4th mention)
WPACT5	Activities during the last month (5th mention)
WPACT6	Activities during the last month (6th mention)
WPMOJ	Earns money from [work apart from main job/any work done

### Wave 3 Core:

WPACT96	activities during last month: none of these
WPACTCA	activities during last month: cared for someone
WPACTED	activities during last month: attended a formal educatio
WPACTLO	activities during last month: looked after home or famil
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPACTVW	activities during last month: voluntary work
WPMOJ	do you earn money from [work apart from main job/work do

### Wave 4 Core:

ASKPX	whether respondent had an interview by proxy
WPACT96	activities during last month: none of these
WPACTCA	activities during last month: cared for someone
WPACTED	activities during last month: attended a formal educatio
WPACTLO	activities during last month: looked after home or famil
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPACTVW	activities during last month: voluntary work
WPMOJ	do you earn money from [work apart from main job/work do

### Wave 5 Core:

ASKPX	Whether respondent had an interview by proxy
WPACT96	Activities during last month: none of these
WPACTCA	Activities during last month: cared for someone
WPACTED	Activities during last month: attended a formal educatio
WPACTLO	Activities during last month: looked after home or famil
WPACTPW	Activities during last month: paid work
WPACTSE	Activities during last month: self-employment
WPACTVW	Activities during last month: voluntary work
WPMOJ	Do you earn money from [work apart from main job/work do

### Wave 6 Core:

ASKPX	whether respondent had an interview by proxy
WPACT96	activities during last month: none of these
WPACTCA	activities during last month: cared for someone
WPACTED	activities during last month: attended a formal educatio
WPACTLO	activities during last month: looked after home or famil

WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPACTVW	activities during last month: voluntary work
WPMOJ	do you earn money from [work apart from main job/work do
Wave 7 Core:	
ASKPX	whether respondent had an interview by proxy
WPACT96	activities during last month: none of these
WPACTCA	activities during last month: cared for someone
WPACTED	activities during last month: attended a formal educatio
WPACTLO	activities during last month: looked after home or famil
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPACTVW	activities during last month: voluntary work
WPMOJ	do you earn money from [work apart from main job/work do
Wave 8 Core:	
ASKPX	computed: whether respondent had an interview by proxy
WPACT96	activities during last month: none of these
WPACTCA	activities during last month: cared for someone
WPACTED	activities during last month: attended a formal educatio
WPACTLO	activities during last month: looked after home or famil
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPACTVW	activities during last month: voluntary work
WPMOJ	whether earns money from other jobs (occasional work/wor
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy
WPACT96	Activities during last month: none of these
WPACTCA	Activities during last month: cared for someone
WPACTED	Activities during last month: attended a formal educatio
WPACTLO	Activities during last month: looked after home or famil
WPACTPW	Activities during last month: paid work
WPACTSE	Activities during last month: self-employment
WPACTVW	Activities during last month: voluntary work
WPMOJ	Whether earns money from other jobs (occasional work/wor

## Whether Self-Employed

Wave	Variable	Label	Type
1	R1SLFEMP	r1slfemp:w1 r Whether Self-Employed	Categ
2	R2SLFEMP	r2slfemp:w2 r Whether Self-Employed	Categ
3	R3SLFEMP	r3slfemp:w3 r Whether Self-Employed	Categ
4	R4SLFEMP	r4slfemp:w4 r Whether Self-Employed	Categ
5	R5SLFEMP	r5slfemp:w5 r Whether Self-Employed	Categ
6	R6SLFEMP	r6slfemp:w6 r Whether Self-Employed	Categ
7	R7SLFEMP	r7slfemp:w7 r Whether Self-Employed	Categ
8	R8SLFEMP	r8slfemp:w8 r Whether Self-Employed	Categ
9	R9SLFEMP	r9slfemp:w9 r Whether Self-Employed	Categ
1	S1SLFEMP	s1slfemp:w1 s Whether Self-Employed	Categ
2	S2SLFEMP	s2slfemp:w2 s Whether Self-Employed	Categ
3	S3SLFEMP	s3slfemp:w3 s Whether Self-Employed	Categ
4	S4SLFEMP	s4slfemp:w4 s Whether Self-Employed	Categ
5	S5SLFEMP	s5slfemp:w5 s Whether Self-Employed	Categ
6	S6SLFEMP	s6slfemp:w6 s Whether Self-Employed	Categ
7	S7SLFEMP	s7slfemp:w7 s Whether Self-Employed	Categ
8	S8SLFEMP	s8slfemp:w8 s Whether Self-Employed	Categ
9	S9SLFEMP	s9slfemp:w9 s Whether Self-Employed	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SLFEMP	12073	0.07	0.26	0.00	1.00
R2SLFEMP	9423	0.07	0.25	0.00	1.00
R3SLFEMP	9754	0.08	0.27	0.00	1.00
R4SLFEMP	11031	0.08	0.27	0.00	1.00
R5SLFEMP	10258	0.08	0.27	0.00	1.00
R6SLFEMP	10588	0.08	0.27	0.00	1.00
R7SLFEMP	9658	0.08	0.27	0.00	1.00
R8SLFEMP	8415	0.07	0.26	0.00	1.00
R9SLFEMP	8720	0.08	0.28	0.00	1.00
S1SLFEMP	8055	0.08	0.28	0.00	1.00
S2SLFEMP	6174	0.08	0.27	0.00	1.00
S3SLFEMP	6380	0.09	0.28	0.00	1.00
S4SLFEMP	7390	0.09	0.29	0.00	1.00
S5SLFEMP	6956	0.09	0.29	0.00	1.00
S6SLFEMP	7233	0.10	0.30	0.00	1.00
S7SLFEMP	6555	0.09	0.29	0.00	1.00
S8SLFEMP	5660	0.09	0.28	0.00	1.00
S9SLFEMP	5805	0.09	0.29	0.00	1.00

### Categorical Variable Codes

Value-----	R1SLFEMP	R2SLFEMP	R3SLFEMP	R4SLFEMP	R5SLFEMP
.d:DK	7	5	7	10	10
.m:Missing			3		
.r:Refuse	19	4	2	9	6
0.Not self-employed	11186	8777	8993	10144	9447
1.Self-employed	887	646	761	887	811

Value-----	R6SLFEMP	R7SLFEMP	R8SLFEMP	R9SLFEMP
.d:DK	10	7	23	13
.r:Refuse	3	1	7	3
0.Not self-employed	9717	8880	7784	8001

1.Self-employed	871	778	631	719	
Value-----	S1SLFEMP	S2SLFEMP	S3SLFEMP	S4SLFEMP	S5SLFEMP
.d:DK	5	3	3	6	5
.m:Missing			1		
.r:Refuse	10	1		6	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.Not self-employed	7389	5682	5816	6692	6311
1.Self-employed	666	492	564	698	645
Value-----	S6SLFEMP	S7SLFEMP	S8SLFEMP	S9SLFEMP	
.d:DK	7	5	22	13	
.r:Refuse	2		6	2	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.Not self-employed	6532	5939	5172	5268	
1.Self-employed	701	616	488	537	

## How Constructed

RwSLFEMP is taken from an ELSA derived variable which identifies self-employed respondents based on several other ELSA employment questions including "are you self-employed in your main job" and "are you working for yourself." RwSLFEMP has a value of 0 if the respondent is not self-employed and a value of 1 if the respondent is self-employed. Don't know, refused, or other missing responses of RwSLFEMP are assigned special missing codes .d, .r, .m respectively. RwSLFEMP is set to plain missing (.) for respondents who did not respond to the current wave.

SwSLFEMP indicates whether the respondent's spouse in the current wave is self-employed. It is taken from the spouse's values to RwSLFEMP. In addition to the special missing codes used in RwSLFEMP, SwSLFEMP employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Similar to the RAND HRS, RwSLFEMP in the Harmonized ELSA is derived from several survey questions including, "are you self-employed in your main job" and "are you working for yourself." Differences exist between the questions used to derive RwSLFEMP in the RAND HRS and in the Harmonized ELSA. Refer to RAND HRS Codebook and ELSA documentation for further analysis of this difference.

## ELSA Variables Used

### Wave 1 Core:

WPACT1 did you do any of these activities during the last month  
 WPACT2 did you do any of these activities during the last month  
 WPACT3 did you do any of these activities during the last month  
 WPACT4 did you do any of these activities during the last month  
 WPACT5 did you do any of these activities during the last month  
 WPACT6 did you do any of these activities during the last month  
 WPES derived: 1=employee, 2=self-employed  
 WPSTJ is the job you had in last interview your main job?

### Wave 2 Core:

WPACT1 Activities during the last month (1st mention)  
 WPACT2 Activities during the last month (2nd mention)  
 WPACT3 Activities during the last month (3rd mention)  
 WPACT4 Activities during the last month (4th mention)  
 WPACT5 Activities during the last month (5th mention)  
 WPACT6 Activities during the last month (6th mention)

WPES Derived: employee or self-employed  
WPSTJ Is the job you had last time you were interviewed your m

Wave 3 Core:  
WPACTPW activities during last month: paid work  
WPACTSE activities during last month: self-employment  
WPES derived: employee or self-employed  
WPSTJ is the job you had last time you were interviewed [still

Wave 4 Core:  
WPACTPW activities during last month: paid work  
WPACTSE activities during last month: self-employment  
WPES derived: employee or self-employed  
WPSTJ is the job you had last time you were interviewed [still

Wave 5 Core:  
WPACTPW Activities during last month: paid work  
WPACTSE Activities during last month: self-employment  
WPES Derived: employee or self-employed  
WPSTJ Is the job you had last time you were interviewed [still

Wave 6 Core:  
WPACTPW activities during last month: paid work  
WPACTSE activities during last month: self-employment  
WPES derived: employee or self-employed  
WPSTJ is the job you had last time you were interviewed [still

Wave 7 Core:  
WPACTPW activities during last month: paid work  
WPACTSE activities during last month: self-employment  
WPES derived: employee or self-employed  
WPSTJ is the job you had last time you were interviewed [still

Wave 8 Core:  
WPACTPW activities during last month: paid work  
WPACTSE activities during last month: self-employment  
WPES computed: employee or self-employed  
WPSTJ whether the job had at least interview is (still) main j

Wave 9 Core:  
WPACTPW Activities during last month: paid work  
WPACTSE Activities during last month: self-employment  
WPES Computed: employee or self-employed  
WPSTJ Whether the job had at least interview is (still) main j

<b>Labor Force Status</b>
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Wave	Variable	Label	Type
1	R1LBRF_E	r1lbrf_e:w1 R labor force status	Cont
2	R2LBRF_E	r2lbrf_e:w2 R labor force status	Cont
3	R3LBRF_E	r3lbrf_e:w3 R labor force status	Cont
4	R4LBRF_E	r4lbrf_e:w4 R labor force status	Cont
5	R5LBRF_E	r5lbrf_e:w5 R labor force status	Cont
6	R6LBRF_E	r6lbrf_e:w6 R labor force status	Cont
7	R7LBRF_E	r7lbrf_e:w7 R labor force status	Cont
8	R8LBRF_E	r8lbrf_e:w8 R labor force status	Cont
9	R9LBRF_E	r9lbrf_e:w9 R labor force status	Cont
1	S1LBRF_E	s1lbrf_e:w1 S labor force status	Cont
2	S2LBRF_E	s2lbrf_e:w2 S labor force status	Cont
3	S3LBRF_E	s3lbrf_e:w3 S labor force status	Cont
4	S4LBRF_E	s4lbrf_e:w4 S labor force status	Cont
5	S5LBRF_E	s5lbrf_e:w5 S labor force status	Cont
6	S6LBRF_E	s6lbrf_e:w6 S labor force status	Cont
7	S7LBRF_E	s7lbrf_e:w7 S labor force status	Cont
8	S8LBRF_E	s8lbrf_e:w8 S labor force status	Cont
9	S9LBRF_E	s9lbrf_e:w9 S labor force status	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LBRF_E	12034	3.93	2.11	1.00	7.00
R2LBRF_E	9400	4.04	2.06	1.00	7.00
R3LBRF_E	9740	3.75	2.12	1.00	7.00
R4LBRF_E	11036	3.78	2.05	1.00	7.00
R5LBRF_E	10233	3.93	1.96	1.00	7.00
R6LBRF_E	10554	3.88	1.96	1.00	7.00
R7LBRF_E	9628	3.93	1.92	1.00	7.00
R8LBRF_E	8414	4.11	1.81	1.00	7.00
R9LBRF_E	8711	3.89	1.90	1.00	7.00
S1LBRF_E	8038	3.73	2.20	1.00	7.00
S2LBRF_E	6159	3.84	2.17	1.00	7.00
S3LBRF_E	6371	3.49	2.20	1.00	7.00
S4LBRF_E	7393	3.56	2.11	1.00	7.00
S5LBRF_E	6940	3.73	2.05	1.00	7.00
S6LBRF_E	7212	3.70	2.03	1.00	7.00
S7LBRF_E	6542	3.76	1.99	1.00	7.00
S8LBRF_E	5666	3.98	1.90	1.00	7.00
S9LBRF_E	5806	3.78	1.96	1.00	7.00

### Categorical Variable Codes

Value-----	R1LBRF_E	R2LBRF_E	R3LBRF_E	R4LBRF_E	R5LBRF_E
.d:DK	6	1	2	4	4
.o:Other	55	30	22	2	33
.r:Refuse	4	1	2	8	4
1.employed	3427	2452	3063	3253	2613
2.self-employed	696	524	623	733	646
3.unemployed	126	75	85	132	114
4.partly ret	78	49	37	61	57
5.retired	5715	4775	4580	5543	5676
6.disabled	790	539	537	592	515
7.looking after home or fam	1202	986	815	722	612



Value-----	R6LBRF_E	R7LBRF_E	R8LBRF_E	R9LBRF_E		
.d:DK			1	1		
.m:Missing		1				
.o:Other	45	37	29	23		
.r:Refuse	2		1	1		
1.employed	2766	2387	1736	2173		
2.self-employed	688	639	491	587		
3.unemployed	119	92	62	64		
4.partly ret	45	34	38	68		
5.retired	5898	5624	5418	5150		
6.disabled	497	370	284	323		
7.looking after home or fam	541	482	385	346		

Value-----	S1LBRF_E	S2LBRF_E	S3LBRF_E	S4LBRF_E	S5LBRF_E
.d:DK	5		1	2	3
.o:Other	23	18	12	1	18
.r:Refuse	4	1		6	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.employed	2678	1890	2387	2515	2074
2.self-employed	531	402	470	582	517
3.unemployed	70	43	47	80	68
4.partly ret	59	33	21	34	41
5.retired	3325	2749	2580	3333	3501
6.disabled	477	322	275	316	267
7.looking after home or fam	898	720	591	533	472

Value-----	S6LBRF_E	S7LBRF_E	S8LBRF_E	S9LBRF_E
.d:DK			1	1
.o:Other	28	18	20	12
.r:Refuse	2		1	1
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.employed	2170	1850	1332	1588
2.self-employed	551	511	378	443
3.unemployed	71	45	29	36
4.partly ret	32	27	24	51
5.retired	3696	3567	3455	3252
6.disabled	262	173	129	150
7.looking after home or fam	430	369	319	286

## How Constructed

RwLBRF\_E summarizes the labor force status for the respondent at each wave as 1.employed, 2.self-employed, 3.unemployed, 4.partly retired, 5.retired, 6.disabled, or 7.looking after home or family. Don't know, refused, or other missing responses of RwLBRF\_E are assigned special missing codes .d, .r, .m, respectively. If the respondent reports a labor force status outside of the categories of RwLBRF\_E, a special missing value .o indicates another labor force status. RwLBRF\_E is set to plain missing (.) for respondents who did not respond to the current wave.

RwLBRF\_E is determined by a direct question to the respondent asking "which of these, would you say, best describes your situation." The respondent is then shown a card with the above set of labor force statuses and asked to choose one.

SwLBRF\_E summarizes the labor force status for the respondent's spouse or partner. It is taken from the spouse's values to RwLBRF\_E. In addition to the missing codes used by RwLBRF\_E, SwLBRF\_E employs two additional special missing values, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA asks the respondent directly which labor status best describes their situation. RwlBRF in the RAND HRS is based on a combination of HRS survey questions which allow the respondent to identify his or herself with different labor statuses independently of each other.

Because of the differences in surveys and derivations, RwlBRF\_E uses a slightly different set of categories than RwlBRF in the RAND HRS. Of particular note is the inclusion of self-employment and looking after home/family as separate statuses. Also of note is that RwlBRF\_E does not separate out full-time and part-time work as different categories.

## ELSA Variables Used

Wave 1 Core:	
WPDES	which one of these would you say best describes your cur
Wave 2 Core:	
WPDES	Best description of current situation
Wave 3 Core:	
WPDES	best description of current situation
Wave 4 Core:	
WPDES	best description of current situation
Wave 5 Core:	
WPDES	Best description of current situation
Wave 6 Core:	
WPDES	best description of current situation
Wave 7 Core:	
WPDES	best description of current situation
Wave 8 Core:	
WPDES	best description of current situation
Wave 9 Core:	
WPDES	Best description of current situation

<b>In The Labor Force</b>
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Wave	Variable	Label	Type
1	R1INLBRF	r1inlbrf:W1 =1 if r is in the labor force	Cont
2	R2INLBRF	r2inlbrf:W2 =1 if r is in the labor force	Cont
3	R3INLBRF	r3inlbrf:W3 =1 if r is in the labor force	Cont
4	R4INLBRF	r4inlbrf:W4 =1 if r is in the labor force	Cont
5	R5INLBRF	r5inlbrf:W5 =1 if r is in the labor force	Cont
6	R6INLBRF	r6inlbrf:W6 =1 if r is in the labor force	Cont
7	R7INLBRF	r7inlbrf:W7 =1 if r is in the labor force	Cont
8	R8INLBRF	r8inlbrf:W8 =1 if r is in the labor force	Cont
9	R9INLBRF	r9inlbrf:W9 =1 if r is in the labor force	Cont
1	S1INLBRF	s1inlbrf:W1 =1 if s is in the labor force	Cont
2	S2INLBRF	s2inlbrf:W2 =1 if s is in the labor force	Cont
3	S3INLBRF	s3inlbrf:W3 =1 if s is in the labor force	Cont
4	S4INLBRF	s4inlbrf:W4 =1 if s is in the labor force	Cont
5	S5INLBRF	s5inlbrf:W5 =1 if s is in the labor force	Cont
6	S6INLBRF	s6inlbrf:W6 =1 if s is in the labor force	Cont
7	S7INLBRF	s7inlbrf:W7 =1 if s is in the labor force	Cont
8	S8INLBRF	s8inlbrf:W8 =1 if s is in the labor force	Cont
9	S9INLBRF	s9inlbrf:W9 =1 if s is in the labor force	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1INLBRF	12034	0.36	0.48	0.00	1.00
R2INLBRF	9400	0.33	0.47	0.00	1.00
R3INLBRF	9740	0.39	0.49	0.00	1.00
R4INLBRF	11036	0.38	0.49	0.00	1.00
R5INLBRF	10233	0.34	0.47	0.00	1.00
R6INLBRF	10554	0.34	0.47	0.00	1.00
R7INLBRF	9628	0.33	0.47	0.00	1.00
R8INLBRF	8414	0.28	0.45	0.00	1.00
R9INLBRF	8711	0.33	0.47	0.00	1.00
S1INLBRF	8038	0.42	0.49	0.00	1.00
S2INLBRF	6159	0.38	0.49	0.00	1.00
S3INLBRF	6371	0.46	0.50	0.00	1.00
S4INLBRF	7393	0.43	0.50	0.00	1.00
S5INLBRF	6940	0.39	0.49	0.00	1.00
S6INLBRF	7212	0.39	0.49	0.00	1.00
S7INLBRF	6542	0.37	0.48	0.00	1.00
S8INLBRF	5666	0.31	0.46	0.00	1.00
S9INLBRF	5806	0.36	0.48	0.00	1.00

### Categorical Variable Codes

Value-----	R1INLBRF	R2INLBRF	R3INLBRF	R4INLBRF	R5INLBRF
.d:DK	6	1	2	4	4
.o:Other	55	30	22	2	33
.r:Refuse	4	1	2	8	4
0.no	7707	6300	5932	6857	6803
1.yes	4327	3100	3808	4179	3430

Value-----	R6INLBRF	R7INLBRF	R8INLBRF	R9INLBRF
.d:DK			1	1
.m:Missing		1		
.o:Other	45	37	29	23

.r:Refuse	2		1	1	
0.no	6936	6476	6087	5819	
1.yes	3618	3152	2327	2892	
Value-----	S1INLBRF	S2INLBRF	S3INLBRF	S4INLBRF	S5INLBRF
.d:DK	5		1	2	3
.o:Other	23	18	12	1	18
.r:Refuse	4	1		6	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4700	3791	3446	4182	4240
1.yes	3338	2368	2925	3211	2700
Value-----	S6INLBRF	S7INLBRF	S8INLBRF	S9INLBRF	
.d:DK			1	1	
.o:Other	28	18	20	12	
.r:Refuse	2		1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	4388	4109	3903	3688	
1.yes	2824	2433	1763	2118	

## How Constructed

RwINLBRF is an indicator for whether the respondent considered himself/herself as part of the labor force. This definition includes those who are working for pay and those who are not working but actively seeking work as part of the labor force. This variable is derived by using the question "which of these, would you say, best describes your situation." A value of 1 is assigned if the respondent describes their working status as employed, self-employed, unemployed or partly retired, to indicate being in the labor force. A value of 0 is assigned if the respondent describes their working status as retired, disabled, or looking after home or family, to indicate not being in the labor force. If the respondent reports a labor force status outside of the categories of RwINLBRF, a special missing value .o indicates another labor force status. Don't know, refused, or other missing responses of RwINLBRF are assigned special missing codes .d, .r, .m, respectively. RwINLBRF is set to plain missing (.) for respondents who did not respond to the current wave.

SwINLBRF summarizes the labor force status for the respondent's spouse or partner. It is taken from the spouse's values to RwINLBRF. In addition to the special missing codes employed by RwINLBRF, SwINLBRF employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA asks the respondent directly which labor force status best describes their situation.

## ELSA Variables Used

Wave 1 Core:	
WPDES	which one of these would you say best describes your cur
Wave 2 Core:	
WPDES	Best description of current situation
Wave 3 Core:	
WPDES	best description of current situation
Wave 4 Core:	
WPDES	best description of current situation
Wave 5 Core:	
WPDES	Best description of current situation

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Wave 6 Core:	
WPDES	best description of current situation
Wave 7 Core:	
WPDES	best description of current situation
Wave 8 Core:	
WPDES	best description of current situation
Wave 9 Core:	
WPDES	Best description of current situation

<b>Unemployed</b>
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Wave	Variable	Label	Type
1	R1UNEMP	r1unemp:w1 =1 if r is unemployed	Cont
2	R2UNEMP	r2unemp:w2 =1 if r is unemployed	Cont
3	R3UNEMP	r3unemp:w3 =1 if r is unemployed	Cont
4	R4UNEMP	r4unemp:w4 =1 if r is unemployed	Cont
5	R5UNEMP	r5unemp:w5 =1 if r is unemployed	Cont
6	R6UNEMP	r6unemp:w6 =1 if r is unemployed	Cont
7	R7UNEMP	r7unemp:w7 =1 if r is unemployed	Cont
8	R8UNEMP	r8unemp:w8 =1 if r is unemployed	Cont
9	R9UNEMP	r9unemp:w9 =1 if r is unemployed	Cont
1	S1UNEMP	s1unemp:w1 =1 if s is unemployed	Cont
2	S2UNEMP	s2unemp:w2 =1 if s is unemployed	Cont
3	S3UNEMP	s3unemp:w3 =1 if s is unemployed	Cont
4	S4UNEMP	s4unemp:w4 =1 if s is unemployed	Cont
5	S5UNEMP	s5unemp:w5 =1 if s is unemployed	Cont
6	S6UNEMP	s6unemp:w6 =1 if s is unemployed	Cont
7	S7UNEMP	s7unemp:w7 =1 if s is unemployed	Cont
8	S8UNEMP	s8unemp:w8 =1 if s is unemployed	Cont
9	S9UNEMP	s9unemp:w9 =1 if s is unemployed	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1UNEMP	4327	0.03	0.17	0.00	1.00
R2UNEMP	3100	0.02	0.15	0.00	1.00
R3UNEMP	3808	0.02	0.15	0.00	1.00
R4UNEMP	4179	0.03	0.17	0.00	1.00
R5UNEMP	3430	0.03	0.18	0.00	1.00
R6UNEMP	3618	0.03	0.18	0.00	1.00
R7UNEMP	3152	0.03	0.17	0.00	1.00
R8UNEMP	2327	0.03	0.16	0.00	1.00
R9UNEMP	2892	0.02	0.15	0.00	1.00
S1UNEMP	3338	0.02	0.14	0.00	1.00
S2UNEMP	2368	0.02	0.13	0.00	1.00
S3UNEMP	2925	0.02	0.13	0.00	1.00
S4UNEMP	3211	0.02	0.16	0.00	1.00
S5UNEMP	2700	0.03	0.16	0.00	1.00
S6UNEMP	2824	0.03	0.16	0.00	1.00
S7UNEMP	2433	0.02	0.13	0.00	1.00
S8UNEMP	1763	0.02	0.13	0.00	1.00
S9UNEMP	2118	0.02	0.13	0.00	1.00

### Categorical Variable Codes

Value-----	R1UNEMP	R2UNEMP	R3UNEMP	R4UNEMP	R5UNEMP
.d:DK	6	1	2	4	4
.o:Other	55	30	22	2	33
.r:Refuse	4	1	2	8	4
.x:Not in the labor force	7707	6300	5932	6857	6803
0.no	4201	3025	3723	4047	3316
1.yes	126	75	85	132	114

Value-----	R6UNEMP	R7UNEMP	R8UNEMP	R9UNEMP
.d:DK			1	1
.m:Missing		1		

.o:Other	45	37	29	23	
.r:Refuse	2		1	1	
.x:Not in the labor force	6936	6476	6087	5819	
0.no	3499	3060	2265	2828	
1.yes	119	92	62	64	
Value-----	S1UNEMP	S2UNEMP	S3UNEMP	S4UNEMP	S5UNEMP
.d:DK	5		1	2	3
.o:Other	23	18	12	1	18
.r:Refuse	4	1		6	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:Not in the labor force	4700	3791	3446	4182	4240
0.no	3268	2325	2878	3131	2632
1.yes	70	43	47	80	68
Value-----	S6UNEMP	S7UNEMP	S8UNEMP	S9UNEMP	
.d:DK			1	1	
.o:Other	28	18	20	12	
.r:Refuse	2		1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.x:Not in the labor force	4388	4109	3903	3688	
0.no	2753	2388	1734	2082	
1.yes	71	45	29	36	

## How Constructed

RwUNEMP is an indicator for whether the respondent considered themselves as unemployed. This definition considers those who are not working but actively seeking work as unemployed. This variable is derived by using the question "which of these, would you say, best describes your situation." If the respondent describes their working status as employed, self-employed or partly retired, then RwUNEMP is set to be employed and a value of 0 is assigned. If the respondent describes their working status as unemployed, then a value of 1 is assigned. Special missing .x is assigned to respondents who are not working for pay or are not in the labor force. If the respondent reports a labor force status outside of the categories of RwUNEMP, a special missing value .o indicates another labor force status. Don't know, refused, or other missing responses of RwUNEMP are assigned special missing codes .d, .r, .m, respectively. RwUNEMP is set to plain missing (.) for respondents who did not respond to the current wave.

SwUNEMP indicates if the respondent's spouse or partner is considered unemployed. The values are taken from the spouse's values to RwUNEMP. In addition to the special missing values used in RwUNEMP, SwUNEMP employs two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA asks the respondent directly which labor force status best describes their situation.

## ELSA Variables Used

Wave 1 Core:  
 WPDES which one of these would you say best describes your cur

Wave 2 Core:  
 WPDES Best description of current situation

Wave 3 Core:  
 WPDES best description of current situation

Wave 4 Core:  
 WPDES best description of current situation

Wave 5 Core:

WPDES	Best description of current situation
Wave 6 Core:	
WPDES	best description of current situation
Wave 7 Core:	
WPDES	best description of current situation
Wave 8 Core:	
WPDES	best description of current situation
Wave 9 Core:	
WPDES	Best description of current situation



<b>Hours of Work Per Week at Current Job</b>
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Wave	Variable	Label	Type
1	R1JHOURS	r1jhours:w1 r Hours worked/week main job	Cont
2	R2JHOURS	r2jhours:w2 r Hours worked/week main job	Cont
3	R3JHOURS	r3jhours:w3 r Hours worked/week main job	Cont
4	R4JHOURS	r4jhours:w4 r Hours worked/week main job	Cont
5	R5JHOURS	r5jhours:w5 r Hours worked/week main job	Cont
6	R6JHOURS	r6jhours:w6 r Hours worked/week main job	Cont
7	R7JHOURS	r7jhours:w7 r Hours worked/week main job	Cont
8	R8JHOURS	r8jhours:w8 r Hours worked/week main job	Cont
9	R9JHOURS	r9jhours:w9 r Hours worked/week main job	Cont
1	S1JHOURS	s1jhours:w1 s Hours worked/week main job	Cont
2	S2JHOURS	s2jhours:w2 s Hours worked/week main job	Cont
3	S3JHOURS	s3jhours:w3 s Hours worked/week main job	Cont
4	S4JHOURS	s4jhours:w4 s Hours worked/week main job	Cont
5	S5JHOURS	s5jhours:w5 s Hours worked/week main job	Cont
6	S6JHOURS	s6jhours:w6 s Hours worked/week main job	Cont
7	S7JHOURS	s7jhours:w7 s Hours worked/week main job	Cont
8	S8JHOURS	s8jhours:w8 s Hours worked/week main job	Cont
9	S9JHOURS	s9jhours:w9 s Hours worked/week main job	Cont
1	R1JHOUR2_E	r1jhour2_e:w1 r Hours worked/week 2nd job	Cont
2	R2JHOUR2_E	r2jhour2_e:w2 r Hours worked/week 2nd job	Cont
3	R3JHOUR2_E	r3jhour2_e:w3 r Hours worked/week 2nd job	Cont
4	R4JHOUR2_E	r4jhour2_e:w4 r Hours worked/week 2nd job	Cont
5	R5JHOUR2_E	r5jhour2_e:w5 r Hours worked/week 2nd job	Cont
6	R6JHOUR2_E	r6jhour2_e:w6 r Hours worked/week 2nd job	Cont
7	R7JHOUR2_E	r7jhour2_e:w7 r Hours worked/week 2nd job	Cont
8	R8JHOUR2_E	r8jhour2_e:w8 r Hours worked/week 2nd job	Cont
9	R9JHOUR2_E	r9jhour2_e:w9 r Hours worked/week 2nd job	Cont
1	S1JHOUR2_E	s1jhour2_e:w1 s Hours worked/week 2nd job	Cont
2	S2JHOUR2_E	s2jhour2_e:w2 s Hours worked/week 2nd job	Cont
3	S3JHOUR2_E	s3jhour2_e:w3 s Hours worked/week 2nd job	Cont
4	S4JHOUR2_E	s4jhour2_e:w4 s Hours worked/week 2nd job	Cont
5	S5JHOUR2_E	s5jhour2_e:w5 s Hours worked/week 2nd job	Cont
6	S6JHOUR2_E	s6jhour2_e:w6 s Hours worked/week 2nd job	Cont
7	S7JHOUR2_E	s7jhour2_e:w7 s Hours worked/week 2nd job	Cont
8	S8JHOUR2_E	s8jhour2_e:w8 s Hours worked/week 2nd job	Cont
9	S9JHOUR2_E	s9jhour2_e:w9 s Hours worked/week 2nd job	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JHOURS	4505	34.51	16.21	1.00	168.00
R2JHOURS	3218	32.95	15.18	1.00	150.00
R3JHOURS	3896	33.93	15.17	1.00	168.00
R4JHOURS	4005	32.86	14.86	1.00	112.00
R5JHOURS	3211	32.00	15.53	1.00	168.00
R6JHOURS	3457	32.18	15.52	1.00	168.00
R7JHOURS	3018	31.48	14.98	1.00	168.00
R8JHOURS	2268	30.13	14.92	1.00	105.00
R9JHOURS	2747	31.44	15.60	1.00	168.00
S1JHOURS	3499	34.65	16.27	1.00	168.00
S2JHOURS	2468	32.91	15.14	1.00	150.00
S3JHOURS	3006	34.14	15.02	1.00	150.00

S4JHOURS	3042	33.20	14.74	1.00	112.00
S5JHOURS	2490	32.30	15.48	1.00	126.00
S6JHOURS	2679	32.14	15.75	1.00	168.00
S7JHOURS	2310	31.29	14.92	1.00	90.00
S8JHOURS	1709	30.17	14.79	1.00	91.00
S9JHOURS	1972	31.06	15.37	1.00	168.00
R1JHOUR2_E	343	5.53	5.84	0.23	48.00
R2JHOUR2_E	250	5.99	8.31	0.23	64.62
R3JHOUR2_E	276	5.52	6.31	0.23	46.16
R4JHOUR2_E	296	5.36	7.04	0.23	60.00
R5JHOUR2_E	238	5.87	7.94	0.23	57.70
R6JHOUR2_E	262	5.33	6.77	0.23	50.77
R7JHOUR2_E	215	5.16	6.18	0.23	46.16
R8JHOUR2_E	137	5.23	9.08	0.23	92.31
R9JHOUR2_E	176	5.13	6.42	0.23	36.93
S1JHOUR2_E	268	5.58	6.04	0.23	48.00
S2JHOUR2_E	186	5.70	7.76	0.23	64.62
S3JHOUR2_E	211	5.73	6.63	0.23	46.16
S4JHOUR2_E	215	4.89	6.85	0.23	60.00
S5JHOUR2_E	170	5.42	7.00	0.23	55.39
S6JHOUR2_E	188	5.25	6.14	0.23	41.54
S7JHOUR2_E	157	5.61	6.88	0.23	46.16
S8JHOUR2_E	103	5.50	9.98	0.23	92.31
S9JHOUR2_E	121	5.34	6.47	0.23	36.93

## How Constructed

RwJHOURS is the usual number of hours per week the respondent works at their main job, excluding meal breaks and including paid overtime.

RwJHOUR2\_E is the usual number of hours per week the respondent works at a second job. RwJHOUR2\_E is derived by taking the number of hours spent each month on a second job and expressing it as a weekly equivalent.

If the respondent is working for pay then they are asked how many hours per week they usually works at the main job. Don't know, refused, or other missing responses of RwJHOURS and RwJHOUR2\_E are assigned special missing codes .d, .r, .m respectively. If the respondent's survey was conducted with a proxy, RwJHOURS and RwJHOUR2\_E are set to special missing .p. If the respondent is not working, they are set to a .w missing code. RwJHOUR2\_E is set to .i missing code, if the number of hours worked at a second job exceed 60 hours per week. RwJHOURS and RwJHOUR2\_E are set to plain missing (.) for respondents who did not respond to the current wave.

SwJHOURS is the number of hours the respondent's spouse in the current wave works at their main job. It is taken from the spouse's values to RwJHOURS. SwJHOUR2\_E is the number of hours the respondent's spouse in the current wave works at their second job. It is taken from the spouse's values to RwJHOUR2. In addition to the special missing codes employed by RwJHOURS and RwJHOUR2\_E, SwJHOURS and SwJHOUR2\_E employ two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA did not directly survey the average number of hours a week a respondent spends at their second job. Instead, ELSA surveys the average number of hours a month a respondent spends at their

second job. Unlike RwJHOUR2 in the RAND HRS, RwJHOUR2\_E is based on a monthly-equivalent expressed as a weekly equivalent.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1 whether interviewed by proxy  
 WPACT1 did you do any of these activities during the last month  
 WPACT2 did you do any of these activities during the last month  
 WPACT3 did you do any of these activities during the last month  
 WPACT4 did you do any of these activities during the last month  
 WPACT5 did you do any of these activities during the last month  
 WPACT6 did you do any of these activities during the last month  
 WPES derived: 1=employee, 2=self-employed  
 WPHJOB how many hours a week do you usually work in this job, e  
 WPHMSJ how many hours do you usually work a month in these jobs  
 WPHWRK how many hours a week do you usually work in your curren  
 WPMOJ do you currently earn any money from any work apart from

### Wave 2 Core:

ASKPX1 Whether interviewed by proxy  
 WPACT1 Activities during the last month (1st mention)  
 WPACT2 Activities during the last month (2nd mention)  
 WPACT3 Activities during the last month (3rd mention)  
 WPACT4 Activities during the last month (4th mention)  
 WPACT5 Activities during the last month (5th mention)  
 WPACT6 Activities during the last month (6th mention)  
 WPES Derived: employee or self-employed  
 WPHJOB Hours worked per week in this job (exc. meal breaks, inc  
 WPHMSJ Hours a month usually worked in these jobs (exc meal bre  
 WPHWRK Hours worked per week in current job (inc. doing the boo  
 WPMOJ Earns money from [work apart from main job/any work done

### Wave 3 Core:

ASKPX whether respondent had a proxy interview  
 WPACTPW activities during last month: paid work  
 WPACTSE activities during last month: self-employment  
 WPES derived: employee or self-employed  
 WPHJOB hours worked per week in this job (exc. meal breaks, inc  
 WPHMSJ how many hrs a mnth usually worked in these jobs (exc me  
 WPHWRK hours worked per week inc. doing the books, vat etc. (se  
 WPMOJ do you earn money from [work apart from main job/work do

### Wave 4 Core:

ASKPX whether respondent had an interview by proxy  
 WPACTPW activities during last month: paid work  
 WPACTSE activities during last month: self-employment  
 WPES derived: employee or self-employed  
 WPHJOB hours worked per week in this job (exc. meal breaks, inc  
 WPHMSJ how many hrs a mnth usually worked in these jobs (exc me  
 WPHWRK hours worked per week inc. doing the books, vat etc. (se  
 WPMOJ do you earn money from [work apart from main job/work do

### Wave 5 Core:

ASKPX Whether respondent had an interview by proxy  
 WPACTPW Activities during last month: paid work  
 WPACTSE Activities during last month: self-employment  
 WPES Derived: employee or self-employed  
 WPHJOB Hours worked per week in this job (exc. meal breaks, inc  
 WPHMSJ How many hrs a mnth usually worked in these jobs (exc me  
 WPHWRK Hours worked per week inc. doing the books, VAT etc. (se  
 WPMOJ Do you earn money from [work apart from main job/work do

### Wave 6 Core:

ASKPX whether respondent had an interview by proxy  
 WPACTPW activities during last month: paid work  
 WPACTSE activities during last month: self-employment  
 WPES derived: employee or self-employed

WPHJOB hours worked per week in this job (exc. meal breaks, inc  
WPHMSJ how many hrs a mnth usually worked in these jobs (exc me  
WPHWRK hours worked per week inc. doing the books, vat etc. (se  
WPMOJ do you earn money from [work apart from main job/work do

Wave 7 Core:

ASKPX whether respondent had an interview by proxy  
WPACTPW activities during last month: paid work  
WPACTSE activities during last month: self-employment  
WPES derived: employee or self-employed  
WPHJOB hours worked per week in this job (exc. meal breaks, inc  
WPHMSJ how many hrs a mnth usually worked in these jobs (exc me  
WPHWRK hours worked per week inc. doing the books, vat etc. (se  
WPMOJ do you earn money from [work apart from main job/work do

Wave 8 Core:

ASKPX computed: whether respondent had an interview by proxy  
WPACTPW activities during last month: paid work  
WPACTSE activities during last month: self-employment  
WPES computed: employee or self-employed  
WPHJOB hours worked per week in this job (exc meal breaks, inc  
WPHMSJ number of hours a month usually worked in other jobs (ex  
WPHWRK hours worked per week inc doing the books, vat etc (self  
WPMOJ whether earns money from other jobs (occasional work/wor

Wave 9 Core:

ASKPX Computed: whether respondent had an interview by proxy  
WPACTPW Activities during last month: paid work  
WPACTSE Activities during last month: self-employment  
WPES Computed: employee or self-employed  
WPHJOB Hours worked per week in this job (exc meal breaks, inc  
WPHMSJ Number of hours a month usually worked in other jobs (ex  
WPHWRK Hours worked per week inc doing the books, vat etc (self  
WPMOJ Whether earns money from other jobs (occasional work/wor

<b>Weeks Worked Per Year at Job</b>
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Wave	Variable	Label	Type
1	R1JWEEKS_E	r1jweeks_e:w1 r Weeks worked/year	Cont
2	R2JWEEKS_E	r2jweeks_e:w2 r Weeks worked/year	Cont
3	R3JWEEKS_E	r3jweeks_e:w3 r Weeks worked/year	Cont
4	R4JWEEKS_E	r4jweeks_e:w4 r Weeks worked/year	Cont
5	R5JWEEKS_E	r5jweeks_e:w5 r Weeks worked/year	Cont
6	R6JWEEKS_E	r6jweeks_e:w6 r Weeks worked/year	Cont
7	R7JWEEKS_E	r7jweeks_e:w7 r Weeks worked/year	Cont
8	R8JWEEKS_E	r8jweeks_e:w8 r Weeks worked/year	Cont
9	R9JWEEKS_E	r9jweeks_e:w9 r Weeks worked/year	Cont
1	S1JWEEKS_E	s1jweeks_e:w1 s Weeks worked/year	Cont
2	S2JWEEKS_E	s2jweeks_e:w2 s Weeks worked/year	Cont
3	S3JWEEKS_E	s3jweeks_e:w3 s Weeks worked/year	Cont
4	S4JWEEKS_E	s4jweeks_e:w4 s Weeks worked/year	Cont
5	S5JWEEKS_E	s5jweeks_e:w5 s Weeks worked/year	Cont
6	S6JWEEKS_E	s6jweeks_e:w6 s Weeks worked/year	Cont
7	S7JWEEKS_E	s7jweeks_e:w7 s Weeks worked/year	Cont
8	S8JWEEKS_E	s8jweeks_e:w8 s Weeks worked/year	Cont
9	S9JWEEKS_E	s9jweeks_e:w9 s Weeks worked/year	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JWEEKS_E	4848	47.43	11.30	1.00	52.00
R2JWEEKS_E	3463	47.53	11.18	1.00	52.00
R3JWEEKS_E	4118	48.50	9.88	1.00	52.00
R4JWEEKS_E	4257	47.83	10.79	1.00	52.00
R5JWEEKS_E	3478	46.79	12.15	1.00	52.00
R6JWEEKS_E	3722	46.78	12.39	1.00	52.00
R7JWEEKS_E	3225	47.44	11.43	1.00	52.00
R8JWEEKS_E	2495	46.88	11.78	1.00	52.00
R9JWEEKS_E	2939	47.47	11.41	1.00	52.00
S1JWEEKS_E	3747	47.63	11.14	1.00	52.00
S2JWEEKS_E	2655	47.75	10.98	1.00	52.00
S3JWEEKS_E	3163	48.71	9.66	1.00	52.00
S4JWEEKS_E	3225	47.95	10.75	1.00	52.00
S5JWEEKS_E	2697	46.80	12.09	1.00	52.00
S6JWEEKS_E	2872	47.01	12.10	1.00	52.00
S7JWEEKS_E	2469	47.49	11.48	1.00	52.00
S8JWEEKS_E	1892	46.81	11.91	1.00	52.00
S9JWEEKS_E	2115	47.55	11.26	1.00	52.00

### How Constructed

RwJWEEKS\_E is the number of weeks the respondent was employed during the last 12 months, counting paid vacation as weeks worked.

If the respondent is working for pay then they are asked how many weeks per year they usually work at the main job. Don't know, refused, or other missing responses of RwJWEEKS\_E are assigned special missing codes .d, .r, .m, respectively. If the respondent's survey was conducted with a proxy, RwJWEEKS\_E is set to special missing .p. If the respondent is not working, it is set to a .w missing code. RwJWEEKS\_E is set to plain missing (.) for respondents who did not respond to the current wave.

SwJWEEKS\_E is the number of weeks the respondent's spouse in the current wave was employed during the last 12 months. It is taken from the spouse's values to RwJWEEKS\_E. In addition to the special missing

codes employed by `RwJWEEKS_E`, `SwJWEEKS_E` employs two additional special missing codes, `.u` and `.v`. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of `.u` is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of `.v` is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

`RwJWEEKS_E` is different from the RAND HRS' `RwJWEEKS` in two ways. Unlike the HRS, ELSA does not ask the number of weeks worked per year in relation to a specific job (main or second), instead ELSA asks the questions more generally about any employment. ELSA also does not ask respondents to report an average, but instead surveys the exact number of weeks over the past 12 months.

## ELSA Variables Used

### Wave 1 Core:

<code>ASKPX1</code>	whether interviewed by proxy
<code>WPACT1</code>	did you do any of these activities during the last month
<code>WPACT2</code>	did you do any of these activities during the last month
<code>WPACT3</code>	did you do any of these activities during the last month
<code>WPACT4</code>	did you do any of these activities during the last month
<code>WPACT5</code>	did you do any of these activities during the last month
<code>WPACT6</code>	did you do any of these activities during the last month
<code>WPES</code>	derived: 1=employee, 2=self-employed
<code>WPWLYM</code>	how many weeks were you in employment or self-employment

### Wave 2 Core:

<code>ASKPX1</code>	Whether interviewed by proxy
<code>WPACT1</code>	Activities during the last month (1st mention)
<code>WPACT2</code>	Activities during the last month (2nd mention)
<code>WPACT3</code>	Activities during the last month (3rd mention)
<code>WPACT4</code>	Activities during the last month (4th mention)
<code>WPACT5</code>	Activities during the last month (5th mention)
<code>WPACT6</code>	Activities during the last month (6th mention)
<code>WPES</code>	Derived: employee or self-employed
<code>WPWLYM</code>	Weeks in employment or self-employment in last 12 months

### Wave 3 Core:

<code>ASKPX</code>	whether respondent had a proxy interview
<code>WPACTPW</code>	activities during last month: paid work
<code>WPACTSE</code>	activities during last month: self-employment
<code>WPWLYM</code>	weeks in employment or self-employment in last 12 months

### Wave 4 Core:

<code>ASKPX</code>	whether respondent had an interview by proxy
<code>WPACTPW</code>	activities during last month: paid work
<code>WPACTSE</code>	activities during last month: self-employment
<code>WPWLYM</code>	weeks in employment or self-employment in last 12 months

### Wave 5 Core:

<code>ASKPX</code>	Whether respondent had an interview by proxy
<code>WPACTPW</code>	Activities during last month: paid work
<code>WPACTSE</code>	Activities during last month: self-employment
<code>WPWLYM</code>	Weeks in employment or self-employment in last 12 months

### Wave 6 Core:

<code>ASKPX</code>	whether respondent had an interview by proxy
<code>WPACTPW</code>	activities during last month: paid work
<code>WPACTSE</code>	activities during last month: self-employment
<code>WPWLYM</code>	weeks in employment or self-employment in last 12 months

### Wave 7 Core:

<code>ASKPX</code>	whether respondent had an interview by proxy
<code>WPACTPW</code>	activities during last month: paid work
<code>WPACTSE</code>	activities during last month: self-employment

WPWLYM weeks in employment or self-employment in last 12 months

Wave 8 Core:

ASKPX computed: whether respondent had an interview by proxy

WPACTPW activities during last month: paid work

WPACTSE activities during last month: self-employment

WPWLYM weeks in employment or self-employment in last 12 months

Wave 9 Core:

ASKPX Computed: whether respondent had an interview by proxy

WPACTPW Activities during last month: paid work

WPACTSE Activities during last month: self-employment

WPWLYM Weeks in employment or self-employment in last 12 months

<b>Wage Rate</b>
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Wave	Variable	Label	Type
1	R1WGIHR_E	r1wgihr_e:w1 r Imputed Wage Rate-Hrly	Cont
2	R2WGIHR_E	r2wgihr_e:w2 r Imputed Wage Rate-Hrly	Cont
3	R3WGIHR_E	r3wgihr_e:w3 r Imputed Wage Rate-Hrly	Cont
4	R4WGIHR_E	r4wgihr_e:w4 r Imputed Wage Rate-Hrly	Cont
5	R5WGIHR_E	r5wgihr_e:w5 r Imputed Wage Rate-Hrly	Cont
6	R6WGIHR_E	r6wgihr_e:w6 r Imputed Wage Rate-Hrly	Cont
7	R7WGIHR_E	r7wgihr_e:w7 r Imputed Wage Rate-Hrly	Cont
8	R8WGIHR_E	r8wgihr_e:w8 r Imputed Wage Rate-Hrly	Cont
9	R9WGIHR_E	r9wgihr_e:w9 r Imputed Wage Rate-Hrly	Cont
1	S1WGIHR_E	s1wgihr_e:w1 s Imputed Wage Rate-Hrly	Cont
2	S2WGIHR_E	s2wgihr_e:w2 s Imputed Wage Rate-Hrly	Cont
3	S3WGIHR_E	s3wgihr_e:w3 s Imputed Wage Rate-Hrly	Cont
4	S4WGIHR_E	s4wgihr_e:w4 s Imputed Wage Rate-Hrly	Cont
5	S5WGIHR_E	s5wgihr_e:w5 s Imputed Wage Rate-Hrly	Cont
6	S6WGIHR_E	s6wgihr_e:w6 s Imputed Wage Rate-Hrly	Cont
7	S7WGIHR_E	s7wgihr_e:w7 s Imputed Wage Rate-Hrly	Cont
8	S8WGIHR_E	s8wgihr_e:w8 s Imputed Wage Rate-Hrly	Cont
9	S9WGIHR_E	s9wgihr_e:w9 s Imputed Wage Rate-Hrly	Cont
1	R1WGIWK_E	r1wgiwk_e:w1 r Imputed Wage Rate-Wkly	Cont
2	R2WGIWK_E	r2wgiwk_e:w2 r Imputed Wage Rate-Wkly	Cont
3	R3WGIWK_E	r3wgiwk_e:w3 r Imputed Wage Rate-Wkly	Cont
4	R4WGIWK_E	r4wgiwk_e:w4 r Imputed Wage Rate-Wkly	Cont
5	R5WGIWK_E	r5wgiwk_e:w5 r Imputed Wage Rate-Wkly	Cont
6	R6WGIWK_E	r6wgiwk_e:w6 r Imputed Wage Rate-Wkly	Cont
7	R7WGIWK_E	r7wgiwk_e:w7 r Imputed Wage Rate-Wkly	Cont
8	R8WGIWK_E	r8wgiwk_e:w8 r Imputed Wage Rate-Wkly	Cont
9	R9WGIWK_E	r9wgiwk_e:w9 r Imputed Wage Rate-Wkly	Cont
1	S1WGIWK_E	s1wgiwk_e:w1 s Imputed Wage Rate-Wkly	Cont
2	S2WGIWK_E	s2wgiwk_e:w2 s Imputed Wage Rate-Wkly	Cont
3	S3WGIWK_E	s3wgiwk_e:w3 s Imputed Wage Rate-Wkly	Cont
4	S4WGIWK_E	s4wgiwk_e:w4 s Imputed Wage Rate-Wkly	Cont
5	S5WGIWK_E	s5wgiwk_e:w5 s Imputed Wage Rate-Wkly	Cont
6	S6WGIWK_E	s6wgiwk_e:w6 s Imputed Wage Rate-Wkly	Cont
7	S7WGIWK_E	s7wgiwk_e:w7 s Imputed Wage Rate-Wkly	Cont
8	S8WGIWK_E	s8wgiwk_e:w8 s Imputed Wage Rate-Wkly	Cont
9	S9WGIWK_E	s9wgiwk_e:w9 s Imputed Wage Rate-Wkly	Cont
1	R1WGFHR_E	r1wgfhr_e:w1 r Impute Flag Wage Rate-Hrly	Cont
2	R2WGFHR_E	r2wgfhr_e:w2 r Impute Flag Wage Rate-Hrly	Cont
3	R3WGFHR_E	r3wgfhr_e:w3 r Impute Flag Wage Rate-Hrly	Cont
4	R4WGFHR_E	r4wgfhr_e:w4 r Impute Flag Wage Rate-Hrly	Cont
5	R5WGFHR_E	r5wgfhr_e:w5 r Impute Flag Wage Rate-Hrly	Cont
6	R6WGFHR_E	r6wgfhr_e:w6 r Impute Flag Wage Rate-Hrly	Cont
7	R7WGFHR_E	r7wgfhr_e:w7 r Impute Flag Wage Rate-Hrly	Cont
8	R8WGFHR_E	r8wgfhr_e:w8 r Impute Flag Wage Rate-Hrly	Cont
9	R9WGFHR_E	r9wgfhr_e:w9 r Impute Flag Wage Rate-Hrly	Cont
1	S1WGFHR_E	s1wgfhr_e:w1 s Impute Flag Wage Rate-Hrly	Cont
2	S2WGFHR_E	s2wgfhr_e:w2 s Impute Flag Wage Rate-Hrly	Cont
3	S3WGFHR_E	s3wgfhr_e:w3 s Impute Flag Wage Rate-Hrly	Cont
4	S4WGFHR_E	s4wgfhr_e:w4 s Impute Flag Wage Rate-Hrly	Cont
5	S5WGFHR_E	s5wgfhr_e:w5 s Impute Flag Wage Rate-Hrly	Cont
6	S6WGFHR_E	s6wgfhr_e:w6 s Impute Flag Wage Rate-Hrly	Cont
7	S7WGFHR_E	s7wgfhr_e:w7 s Impute Flag Wage Rate-Hrly	Cont



8	S8WGFHR_E	s8wgfhr_e:w8	s	Impute	Flag	Wage	Rate-Hrly	Cont
9	S9WGFHR_E	s9wgfhr_e:w9	s	Impute	Flag	Wage	Rate-Hrly	Cont
1	R1WGFWK_E	r1wgfwk_e:w1	r	Impute	Flag	Wage	Rate-Wkly	Cont
2	R2WGFWK_E	r2wgfwk_e:w2	r	Impute	Flag	Wage	Rate-Wkly	Cont
3	R3WGFWK_E	r3wgfwk_e:w3	r	Impute	Flag	Wage	Rate-Wkly	Cont
4	R4WGFWK_E	r4wgfwk_e:w4	r	Impute	Flag	Wage	Rate-Wkly	Cont
5	R5WGFWK_E	r5wgfwk_e:w5	r	Impute	Flag	Wage	Rate-Wkly	Cont
6	R6WGFWK_E	r6wgfwk_e:w6	r	Impute	Flag	Wage	Rate-Wkly	Cont
7	R7WGFWK_E	r7wgfwk_e:w7	r	Impute	Flag	Wage	Rate-Wkly	Cont
8	R8WGFWK_E	r8wgfwk_e:w8	r	Impute	Flag	Wage	Rate-Wkly	Cont
9	R9WGFWK_E	r9wgfwk_e:w9	r	Impute	Flag	Wage	Rate-Wkly	Cont
1	S1WGFWK_E	s1wgfwk_e:w1	s	Impute	Flag	Wage	Rate-Wkly	Cont
2	S2WGFWK_E	s2wgfwk_e:w2	s	Impute	Flag	Wage	Rate-Wkly	Cont
3	S3WGFWK_E	s3wgfwk_e:w3	s	Impute	Flag	Wage	Rate-Wkly	Cont
4	S4WGFWK_E	s4wgfwk_e:w4	s	Impute	Flag	Wage	Rate-Wkly	Cont
5	S5WGFWK_E	s5wgfwk_e:w5	s	Impute	Flag	Wage	Rate-Wkly	Cont
6	S6WGFWK_E	s6wgfwk_e:w6	s	Impute	Flag	Wage	Rate-Wkly	Cont
7	S7WGFWK_E	s7wgfwk_e:w7	s	Impute	Flag	Wage	Rate-Wkly	Cont
8	S8WGFWK_E	s8wgfwk_e:w8	s	Impute	Flag	Wage	Rate-Wkly	Cont
9	S9WGFWK_E	s9wgfwk_e:w9	s	Impute	Flag	Wage	Rate-Wkly	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WGIHR_E	12017	2.20	5.97	0.00	365.00
R2WGIHR_E	9370	2.31	7.19	0.00	370.44
R3WGIHR_E	9647	2.97	8.19	0.00	461.89
R4WGIHR_E	10744	2.98	9.44	0.00	393.53
R5WGIHR_E	9947	2.77	12.59	0.00	712.24
R6WGIHR_E	10319	2.70	6.78	0.00	216.35
R7WGIHR_E	9410	2.90	13.50	0.00	653.85
R8WGIHR_E	8240	2.40	11.76	0.00	881.40
R9WGIHR_E	8495	3.04	9.48	0.00	461.89
S1WGIHR_E	8009	2.65	6.85	0.00	365.00
S2WGIHR_E	6128	2.75	8.12	0.00	370.44
S3WGIHR_E	6327	3.56	7.61	0.00	182.00
S4WGIHR_E	7183	3.29	8.98	0.00	393.53
S5WGIHR_E	6733	3.15	11.59	0.00	462.12
S6WGIHR_E	7048	3.06	6.92	0.00	166.28
S7WGIHR_E	6376	3.23	13.21	0.00	653.85
S8WGIHR_E	5553	2.74	13.80	0.00	881.40
S9WGIHR_E	5640	3.28	8.26	0.00	207.85
R1WGIWK_E	12099	73.01	149.48	0.00	1847.58
R2WGIWK_E	9432	72.84	173.34	0.00	4884.89
R3WGIWK_E	9715	96.92	198.02	0.00	3518.94
R4WGIWK_E	10982	94.77	197.50	0.00	3926.10
R5WGIWK_E	10202	83.33	190.80	0.00	4785.22
R6WGIWK_E	10526	88.45	194.99	0.00	2309.47
R7WGIWK_E	9602	85.98	202.28	0.00	3846.15
R8WGIWK_E	8387	70.28	185.47	0.00	3695.15
R9WGIWK_E	8682	101.37	268.54	0.00	7098.54
S1WGIWK_E	8070	87.16	160.87	0.00	1847.58
S2WGIWK_E	6178	85.76	180.08	0.00	4884.89
S3WGIWK_E	6384	117.21	215.62	0.00	3518.94
S4WGIWK_E	7402	108.92	210.65	0.00	3926.10
S5WGIWK_E	6964	97.89	205.37	0.00	4785.22
S6WGIWK_E	7242	101.84	207.64	0.00	2309.47

S7WGIWK_E	6560	97.86	216.19	0.00	3846.15
S8WGIWK_E	5688	80.42	197.86	0.00	3695.15
S9WGIWK_E	5820	113.08	280.07	0.00	5773.67
R1WGFHR_E	12099	4.56	2.32	1.00	11.00
R2WGFHR_E	9432	4.68	2.26	1.00	11.00
R3WGFHR_E	9766	4.50	2.40	1.00	11.00
R4WGFHR_E	11050	4.74	2.45	1.00	11.00
R5WGFHR_E	10274	4.98	2.36	1.00	11.00
R6WGFHR_E	10601	4.90	2.35	1.00	11.00
R7WGFHR_E	9666	4.98	2.31	1.00	11.00
R8WGFHR_E	8445	5.15	2.17	1.00	11.00
R9WGFHR_E	8736	4.97	2.33	1.00	11.00
S1WGFHR_E	8070	4.31	2.43	1.00	11.00
S2WGFHR_E	6178	4.45	2.38	1.00	11.00
S3WGFHR_E	6384	4.19	2.47	1.00	11.00
S4WGFHR_E	7402	4.57	2.55	1.00	11.00
S5WGFHR_E	6964	4.82	2.47	1.00	11.00
S6WGFHR_E	7242	4.75	2.44	1.00	11.00
S7WGFHR_E	6560	4.85	2.40	1.00	11.00
S8WGFHR_E	5688	5.03	2.24	1.00	11.00
S9WGFHR_E	5820	4.90	2.40	1.00	11.00
R1WGFWK_E	12099	4.51	2.27	1.00	7.00
R2WGFWK_E	9432	4.63	2.22	1.00	7.00
R3WGFWK_E	9766	4.44	2.34	1.00	10.00
R4WGFWK_E	11050	4.54	2.30	1.00	10.00
R5WGFWK_E	10274	4.75	2.20	1.00	10.00
R6WGFWK_E	10601	4.73	2.22	1.00	10.00
R7WGFWK_E	9666	4.79	2.17	1.00	10.00
R8WGFWK_E	8445	4.99	2.05	1.00	10.00
R9WGFWK_E	8736	4.77	2.18	1.00	10.00
S1WGFWK_E	8070	4.25	2.37	1.00	7.00
S2WGFWK_E	6178	4.38	2.33	1.00	7.00
S3WGFWK_E	6384	4.11	2.40	1.00	6.00
S4WGFWK_E	7402	4.30	2.34	1.00	7.00
S5WGFWK_E	6964	4.51	2.26	1.00	7.00
S6WGFWK_E	7242	4.51	2.26	1.00	7.00
S7WGFWK_E	6560	4.60	2.22	1.00	7.00
S8WGFWK_E	5688	4.83	2.10	1.00	7.00
S9WGFWK_E	5820	4.62	2.21	1.00	7.00

### Categorical Variable Codes

Value-----	R1WGFHR_E	R2WGFHR_E	R3WGFHR_E	R4WGFHR_E	R5WGFHR_E
1.continuous value	3470	2483	2953	2993	2358
2.closed range bracket	78	54	80	72	52
3.open range bracket	9	6	6	12	6
5.no value/bracket	125	66	129	144	101
6.no income	8332	6760	6479	7518	7425
7.dk	3	1		5	5
11.missing hours worked	82	62	119	306	327
Value-----	R6WGFHR_E	R7WGFHR_E	R8WGFHR_E	R9WGFHR_E	
1.continuous value	2531	2166	1602	1989	
2.closed range bracket	59	59	31	50	
3.open range bracket	10	4	3	8	
5.no value/bracket	100	96	74	65	
6.no income	7618	7084	6527	6383	
7.dk	1	1	3		
11.missing hours worked	282	256	205	241	

Value-----	S1WGFHR_E	S2WGFHR_E	S3WGFHR_E	S4WGFHR_E	S5WGFHR_E
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.continuous value	2722	1919	2301	2263	1823
2.closed range bracket	54	35	62	56	41
3.open range bracket	7	6	4	10	5
5.no value/bracket	98	47	101	112	84
6.no income	5125	4120	3859	4739	4776
7.dk	3	1		3	4
11.missing hours worked	61	50	57	219	231

Value-----	S6WGFHR_E	S7WGFHR_E	S8WGFHR_E	S9WGFHR_E
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.continuous value	1944	1649	1205	1418
2.closed range bracket	44	37	23	37
3.open range bracket	10	3	1	7
5.no value/bracket	81	80	58	49
6.no income	4968	4606	4263	4129
7.dk	1	1	3	
11.missing hours worked	194	184	135	180

Value-----	R1WGFWK_E	R2WGFWK_E	R3WGFWK_E	R4WGFWK_E	R5WGFWK_E
1.continuous value	3510	2520	2987	3152	2541
2.closed range bracket	82	56	83	95	73
3.open range bracket	10	6	6	15	7
5.no value/bracket	156	89	160	192	147
6.no income	8332	6760	6479	7518	7425
7.dk	9	1		10	9
10.institutional interview			51	68	72

Value-----	R6WGFWK_E	R7WGFWK_E	R8WGFWK_E	R9WGFWK_E
1.continuous value	2657	2284	1692	2103
2.closed range bracket	83	86	44	75
3.open range bracket	16	7	4	13
5.no value/bracket	150	140	117	107
6.no income	7618	7084	6527	6383
7.dk	2	1	3	1
10.institutional interview	75	64	58	54

Value-----	S1WGFWK_E	S2WGFWK_E	S3WGFWK_E	S4WGFWK_E	S5WGFWK_E
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.continuous value	2754	1955	2333	2412	1994
2.closed range bracket	58	36	65	78	60
3.open range bracket	8	6	4	13	6
5.no value/bracket	117	60	123	152	122
6.no income	5125	4120	3859	4739	4776
7.dk	8	1		8	6

Value-----	S6WGFWK_E	S7WGFWK_E	S8WGFWK_E	S9WGFWK_E
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.continuous value	2065	1764	1288	1529
2.closed range bracket	68	63	34	60
3.open range bracket	16	6	2	12
5.no value/bracket	123	120	98	89
6.no income	4968	4606	4263	4129
7.dk	2	1	3	1

## How Constructed

RwWGIHR\_E is the respondent's hourly wage rate and RwWGIWK\_E is the weekly wage rate.

If the respondent reports working at an interview, they are asked how much the job pays. Usual hours per week for this job is also asked. The rate of pay can be reported for various periods, e.g., per hour, per week, or per year. Hourly wage rates are calculated using the usual hours worked per week and pay rate, and adjusting appropriately for the periodicity of pay reported. These variables are expressed in after tax amounts.

The wage rates are expressed in nominal pounds. If the respondent is working but is missing the pay rate for the current job, the wage rate is left as missing.

Pay rate is determined using the ELSA derived variable `thpi` which represents the amount of the last time take-home pay, after any deductions were made for tax, National Insurance, pensions, union dues, etc. for those in paid work, temporarily away, and employees, including imputation values.

Don't know, refused, or other missing responses of `RwWGIHR_E` and `RwWGIWK_E` are assigned special missing codes `.d`, `.r`, `.m`, respectively. If the respondent's survey was conducted with a proxy, `RwWGIHR_E` and `RwWGIWK_E` are set to special missing `.p`. If the respondent is not working, they are set to a `.w` missing code. `RwWGIHR_E` and `RwWGIWK_E` are set to plain missing (`.`) for respondents who did not respond to the current wave.

`SwWGIHR_E` is the respondent's current wave's spouse's hourly wage rate. It is taken from the spouse's values to `RwWGIHR_E`. `SwWGIWK_E` is the respondent's current wave's spouse's weekly wage rate. It is taken from the spouse's values to `RwWGIWK_E`. In addition to the missing codes used by `RwWGIHR_E` and `RwWGIWK_E`, `SwWGIHR_E` and `SwWGIWK_E` employ two additional special missing codes, `.u` and `.v`. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of `.u` is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of `.v` is used.

The `RwWGFHR_E` and `RwWGFWK_E` variables are flags that indicate whether and how the wage rates are imputed. These flag variables combine information about the imputation of the pay rate with information on any missing reports of hours worked per week. Imputations are not completed for respondents living in an institution starting in Wave 3.

`SwWGFHR_E` is the respondent's current wave's spouse's imputation flag for hourly wage rate. It is taken from the spouse's values to `RwWGFHR_E`. `SwWGFWK_E` is the respondent's current wave's spouse's imputation flag for weekly wage rate. It is taken from the spouse's values to `RwWGFWK_E`. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of `.u` is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of `.v` is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Individual earnings in ELSA are expressed as nominal pounds, whereas the equivalent measure in RAND HRS is nominal dollars. Therefore, conversion to a common currency is necessary before comparison of these data. Also, unlike `RwWGIHR` and `RwWGIWK` in the RAND HRS, `RwWGIHR_E` and `RwWGIWK_E` reflect after tax amounts.

## ELSA Variables Used

### Wave 1 Core:

<code>ASKPX1</code>	whether interviewed by proxy
<code>WPACT1</code>	did you do any of these activities during the last month
<code>WPACT2</code>	did you do any of these activities during the last month
<code>WPACT3</code>	did you do any of these activities during the last month
<code>WPACT4</code>	did you do any of these activities during the last month
<code>WPACT5</code>	did you do any of these activities during the last month
<code>WPACT6</code>	did you do any of these activities during the last month
<code>WPES</code>	derived: 1=employee, 2=self-employed
<code>WPHJOB</code>	how many hours a week do you usually work in this job, e
<code>WPHWRK</code>	how many hours a week do you usually work in your curren

### Wave 1 Financial:

<code>THP_R_I</code>	take-home pay last time ( <code>wpthp</code> ) - value (incl. imputed v
<code>THP_R_T</code>	take-home pay last time ( <code>wpthp</code> ) - imputation flag

### Wave 2 Core:

ASKPX1 Whether interviewed by proxy  
 WPACT1 Activities during the last month (1st mention)  
 WPACT2 Activities during the last month (2nd mention)  
 WPACT3 Activities during the last month (3rd mention)  
 WPACT4 Activities during the last month (4th mention)  
 WPACT5 Activities during the last month (5th mention)  
 WPACT6 Activities during the last month (6th mention)  
 WPES Derived: employee or self-employed  
 WPHJOB Hours worked per week in this job (exc. meal breaks, inc  
 WPHWRK Hours worked per week in current job (inc. doing the boo

Wave 2 Financial:

THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
 THP\_R\_T take-home pay last time (wpthp) - imputation flag

Wave 3 Core:

ASKINST whether respondent had an institutional interview  
 ASKPX whether respondent had a proxy interview  
 WPACTPW activities during last month: paid work  
 WPACTSE activities during last month: self-employment  
 WPES derived: employee or self-employed  
 WPHJOB hours worked per week in this job (exc. meal breaks, inc  
 WPHWRK hours worked per week inc. doing the books, vat etc. (se

Wave 3 Financial:

THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
 THP\_R\_T take-home pay last time (wpthp) - imputation flag

Wave 4 Core:

ASKINST whether respondent had an institutional interview  
 ASKPX whether respondent had an interview by proxy  
 WPACTPW activities during last month: paid work  
 WPACTSE activities during last month: self-employment  
 WPES derived: employee or self-employed  
 WPHJOB hours worked per week in this job (exc. meal breaks, inc  
 WPHWRK hours worked per week inc. doing the books, vat etc. (se

Wave 4 Financial:

THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
 THP\_R\_T take-home pay last time (wpthp) - imputation flag

Wave 5 Core:

ASKINST Whether respondent had an institutional interview  
 ASKPX Whether respondent had an interview by proxy  
 WPACTPW Activities during last month: paid work  
 WPACTSE Activities during last month: self-employment  
 WPES Derived: employee or self-employed  
 WPHJOB Hours worked per week in this job (exc. meal breaks, inc  
 WPHWRK Hours worked per week inc. doing the books, VAT etc. (se

Wave 5 Financial:

THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
 THP\_R\_T take-home pay last time (wpthp) - imputation flag

Wave 6 Core:

ASKINST whether respondent had an institutional interview  
 ASKPX whether respondent had an interview by proxy  
 WPACTPW activities during last month: paid work  
 WPACTSE activities during last month: self-employment  
 WPES derived: employee or self-employed  
 WPHJOB hours worked per week in this job (exc. meal breaks, inc  
 WPHWRK hours worked per week inc. doing the books, vat etc. (se

Wave 6 Financial:

THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
 THP\_R\_T take-home pay last time (wpthp) - imputation flag

Wave 7 Core:

ASKINST whether respondent had an institutional interview  
 ASKPX whether respondent had an interview by proxy  
 WPACTPW activities during last month: paid work  
 WPACTSE activities during last month: self-employment  
 WPES derived: employee or self-employed

WPHJOB hours worked per week in this job (exc. meal breaks, inc  
WPHWRK hours worked per week inc. doing the books, vat etc. (se

Wave 7 Financial:  
THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
THP\_R\_T take-home pay last time (wpthp) - imputation flag

Wave 8 Core:  
ASKINST computed: whether respondent had an institutional interv  
ASKPX computed: whether respondent had an interview by proxy  
WPACTPW activities during last month: paid work  
WPACTSE activities during last month: self-employment  
WPES computed: employee or self-employed  
WPHJOB hours worked per week in this job (exc meal breaks, inc  
WPHWRK hours worked per week inc doing the books, vat etc (self

Wave 8 Financial:  
THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
THP\_R\_T take-home pay last time (wpthp) - imputation flag

Wave 9 Core:  
ASKINST Computed: whether respondent had an institutional interv  
ASKPX Computed: whether respondent had an interview by proxy  
WPACTPW Activities during last month: paid work  
WPACTSE Activities during last month: self-employment  
WPES Computed: employee or self-employed  
WPHJOB Hours worked per week in this job (exc meal breaks, inc  
WPHWRK Hours worked per week inc doing the books, vat etc (self

Wave 9 Financial:  
THP\_R\_I take-home pay last time (wpthp) - value (incl. imputed v  
THP\_R\_T take-home pay last time (wpthp) - imputation flag

<b>Level of Physical Effort at Current Job</b>
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Wave	Variable	Label	Type
1	R1JPHYSL	r1jphysl:w1 r Level of phys effort required in cur job	Categ
2	R2JPHYSL	r2jphysl:w2 r Level of phys effort required in cur job	Categ
3	R3JPHYSL	r3jphysl:w3 r Level of phys effort required in cur job	Categ
4	R4JPHYSL	r4jphysl:w4 r Level of phys effort required in cur job	Categ
5	R5JPHYSL	r5jphysl:w5 r Level of phys effort required in cur job	Categ
6	R6JPHYSL	r6jphysl:w6 r Level of phys effort required in cur job	Categ
7	R7JPHYSL	r7jphysl:w7 r Level of phys effort required in cur job	Categ
8	R8JPHYSL	r8jphysl:w8 r Level of phys effort required in cur job	Categ
9	R9JPHYSL	r9jphysl:w9 r Level of phys effort required in cur job	Categ
1	S1JPHYSL	s1jphysl:w1 s Level of phys effort required in cur job	Categ
2	S2JPHYSL	s2jphysl:w2 s Level of phys effort required in cur job	Categ
3	S3JPHYSL	s3jphysl:w3 s Level of phys effort required in cur job	Categ
4	S4JPHYSL	s4jphysl:w4 s Level of phys effort required in cur job	Categ
5	S5JPHYSL	s5jphysl:w5 s Level of phys effort required in cur job	Categ
6	S6JPHYSL	s6jphysl:w6 s Level of phys effort required in cur job	Categ
7	S7JPHYSL	s7jphysl:w7 s Level of phys effort required in cur job	Categ
8	S8JPHYSL	s8jphysl:w8 s Level of phys effort required in cur job	Categ
9	S9JPHYSL	s9jphysl:w9 s Level of phys effort required in cur job	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JPHYSL	4550	1.97	0.91	1.00	4.00
R2JPHYSL	3272	1.94	0.90	1.00	4.00
R3JPHYSL	3928	1.91	0.90	1.00	4.00
R4JPHYSL	4045	1.86	0.89	1.00	4.00
R5JPHYSL	3246	1.87	0.89	1.00	4.00
R6JPHYSL	3504	1.88	0.91	1.00	4.00
R7JPHYSL	3058	1.91	0.93	1.00	4.00
R8JPHYSL	2333	1.89	0.92	1.00	4.00
R9JPHYSL	2779	1.87	0.92	1.00	4.00
S1JPHYSL	3523	1.96	0.91	1.00	4.00
S2JPHYSL	2507	1.94	0.91	1.00	4.00
S3JPHYSL	3032	1.91	0.90	1.00	4.00
S4JPHYSL	3070	1.88	0.90	1.00	4.00
S5JPHYSL	2513	1.87	0.90	1.00	4.00
S6JPHYSL	2714	1.89	0.91	1.00	4.00
S7JPHYSL	2338	1.91	0.93	1.00	4.00
S8JPHYSL	1759	1.89	0.93	1.00	4.00
S9JPHYSL	1995	1.86	0.94	1.00	4.00

### Categorical Variable Codes

Value-----	R1JPHYSL	R2JPHYSL	R3JPHYSL	R4JPHYSL	R5JPHYSL
.d:DK	21	3	9	5	114
.m:Missing		2	2	137	
.p:proxy	175	124	232	422	537
.r:Refuse	4	1		7	5
.w:not working	7349	6030	5595	6434	6372
1.Sedentary occupation	1728	1285	1607	1768	1422
2.Standing occupation	1471	1049	1210	1235	946
3.Physical work	1125	789	952	875	764
4.Heavy manual work	226	149	159	167	114

Value-----	R6JPHYSL	R7JPHYSL	R8JPHYSL	R9JPHYSL	
.d:DK	3	1	3	5	
.p:proxy	614	597	463	545	
.r:Refuse	4			1	
.w:not working	6476	6010	5646	5406	
1.Sedentary occupation	1524	1323	1020	1279	
2.Standing occupation	996	835	656	695	
3.Physical work	847	757	549	695	
4.Heavy manual work	137	143	108	110	
Value-----	S1JPHYSL	S2JPHYSL	S3JPHYSL	S4JPHYSL	S5JPHYSL
.d:DK	18	2	4	5	99
.m:Missing		2	1	128	
.p:proxy	122	94	158	309	418
.r:Refuse	4	1		5	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.w:not working	4403	3572	3189	3885	3931
1.Sedentary occupation	1350	996	1262	1319	1104
2.Standing occupation	1135	792	918	932	721
3.Physical work	853	596	723	687	599
4.Heavy manual work	185	123	129	132	89
Value-----	S6JPHYSL	S7JPHYSL	S8JPHYSL	S9JPHYSL	
.d:DK	3	1	2	4	
.p:proxy	494	484	375	459	
.r:Refuse	3			1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.w:not working	4028	3737	3552	3361	
1.Sedentary occupation	1185	1011	777	936	
2.Standing occupation	760	639	481	482	
3.Physical work	656	569	414	488	
4.Heavy manual work	113	119	87	89	

## How Constructed

RwJPHYSL indicates the level of physical effort required at the respondent's main job. A code of 1 indicates the respondent's occupation is sedentary, a code of 2 indicates the respondent's occupation requires standing, a code of 3 indicates the respondent's occupation requires physical labor, and a code of 4 indicates the respondent's occupation requires heavy manual labor. Don't know, refused, or other missing responses of RwJPHYSL are assigned special missing codes .d, .r, .m, respectively. If the respondent's survey was conducted with a proxy, RwJPHYSL is set to special missing .p. If the respondent is not working, it is set to a .w missing code. RwJPHYSL is assigned blank missing (.) if the respondent did not participate in the current wave.

SwJPHYSL indicates the level of physical effort required at the respondent's spouse's main job. It is taken from the spouse's values to RwJPHYSL. In addition to the special missing codes employed by RwJPHYSL, SwJPHYSL employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

RwJPHYSL is a very different variable from RwJPHYS in the RAND HRS. RwJPHYS indicates how often the respondent's current job requires lots of physical effort. Alternatively, RwJPHYSL does not indicate the frequency of lots of physical effort, but rather the overall level of physical effort required by the respondent's current job.

## ELSA Variables Used



## Wave 1 Core:

ASKPX1 whether interviewed by proxy  
 WPACT1 did you do any of these activities during the last month  
 WPACT2 did you do any of these activities during the last month  
 WPACT3 did you do any of these activities during the last month  
 WPACT4 did you do any of these activities during the last month  
 WPACT5 did you do any of these activities during the last month  
 WPACT6 did you do any of these activities during the last month  
 WPJACT which of these best describes the work that you do in yo

## Wave 2 Core:

ASKPX1 Whether interviewed by proxy  
 WPACT1 Activities during the last month (1st mention)  
 WPACT2 Activities during the last month (2nd mention)  
 WPACT3 Activities during the last month (3rd mention)  
 WPACT4 Activities during the last month (4th mention)  
 WPACT5 Activities during the last month (5th mention)  
 WPACT6 Activities during the last month (6th mention)  
 WPJACT Level of physical activity in main job

## Wave 3 Core:

ASKPX whether respondent had a proxy interview  
 WPACTPW activities during last month: paid work  
 WPACTSE activities during last month: self-employment  
 WPJACT level of physical activity in main job

## Wave 4 Core:

ASKPX whether respondent had an interview by proxy  
 WPACTPW activities during last month: paid work  
 WPACTSE activities during last month: self-employment  
 WPJACT level of physical activity in main job

## Wave 5 Core:

ASKPX Whether respondent had an interview by proxy  
 WPACTPW Activities during last month: paid work  
 WPACTSE Activities during last month: self-employment  
 WPJACT Level of physical activity in main job

## Wave 6 Core:

ASKPX whether respondent had an interview by proxy  
 WPACTPW activities during last month: paid work  
 WPACTSE activities during last month: self-employment  
 WPJACT level of physical activity in main job

## Wave 7 Core:

ASKPX whether respondent had an interview by proxy  
 WPACTPW activities during last month: paid work  
 WPACTSE activities during last month: self-employment  
 WPJACT level of physical activity in main job

## Wave 8 Core:

ASKPX computed: whether respondent had an interview by proxy  
 WPACTPW activities during last month: paid work  
 WPACTSE activities during last month: self-employment  
 WPJACT level of physical activity in main job

## Wave 9 Core:

ASKPX Computed: whether respondent had an interview by proxy  
 WPACTPW Activities during last month: paid work  
 WPACTSE Activities during last month: self-employment  
 WPJACT Level of physical activity in main job

<b>Years of Tenure on Current Job</b>
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Wave	Variable	Label	Type
1	R1JCTEN	r1jcten:w1 r Current Job Tenure	Cont
2	R2JCTEN	r2jcten:w2 r Current Job Tenure	Cont
3	R3JCTEN	r3jcten:w3 r Current Job Tenure	Cont
4	R4JCTEN	r4jcten:w4 r Current Job Tenure	Cont
5	R5JCTEN	r5jcten:w5 r Current Job Tenure	Cont
6	R6JCTEN	r6jcten:w6 r Current Job Tenure	Cont
7	R7JCTEN	r7jcten:w7 r Current Job Tenure	Cont
1	S1JCTEN	s1jcten:w1 s Current Job Tenure	Cont
2	S2JCTEN	s2jcten:w2 s Current Job Tenure	Cont
3	S3JCTEN	s3jcten:w3 s Current Job Tenure	Cont
4	S4JCTEN	s4jcten:w4 s Current Job Tenure	Cont
5	S5JCTEN	s5jcten:w5 s Current Job Tenure	Cont
6	S6JCTEN	s6jcten:w6 s Current Job Tenure	Cont
7	S7JCTEN	s7jcten:w7 s Current Job Tenure	Cont
1	R1FJCTEN	r1fjcten:w1 r Flag Current Job Tenure	Categ
2	R2FJCTEN	r2fjcten:w2 r Flag Current Job Tenure	Categ
3	R3FJCTEN	r3fjcten:w3 r Flag Current Job Tenure	Categ
4	R4FJCTEN	r4fjcten:w4 r Flag Current Job Tenure	Categ
5	R5FJCTEN	r5fjcten:w5 r Flag Current Job Tenure	Categ
6	R6FJCTEN	r6fjcten:w6 r Flag Current Job Tenure	Categ
7	R7FJCTEN	r7fjcten:w7 r Flag Current Job Tenure	Categ
1	S1FJCTEN	s1fjcten:w1 s Flag Current Job Tenure	Categ
2	S2FJCTEN	s2fjcten:w2 s Flag Current Job Tenure	Categ
3	S3FJCTEN	s3fjcten:w3 s Flag Current Job Tenure	Categ
4	S4FJCTEN	s4fjcten:w4 s Flag Current Job Tenure	Categ
5	S5FJCTEN	s5fjcten:w5 s Flag Current Job Tenure	Categ
6	S6FJCTEN	s6fjcten:w6 s Flag Current Job Tenure	Categ
7	S7FJCTEN	s7fjcten:w7 s Flag Current Job Tenure	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JCTEN	4446	11.66	10.80	0.00	60.90
R2JCTEN	3296	12.77	11.33	0.00	65.00
R3JCTEN	2971	12.04	11.37	0.00	66.80
R4JCTEN	2620	11.80	11.30	0.00	68.60
R5JCTEN	2248	11.94	11.37	0.00	64.00
R6JCTEN	1992	11.54	11.50	0.00	65.90
R7JCTEN	1736	11.57	11.89	0.00	64.50
S1JCTEN	3450	11.67	10.76	0.00	59.00
S2JCTEN	2526	12.72	11.14	0.00	65.00
S3JCTEN	2288	12.00	11.24	0.00	66.80
S4JCTEN	2003	11.83	11.22	0.00	68.60
S5JCTEN	1756	11.94	11.27	0.00	60.60
S6JCTEN	1574	11.49	11.37	0.00	62.40
S7JCTEN	1374	11.64	11.92	0.00	64.50
R1FJCTEN	4446	0.19	0.76	0.00	5.00
R2FJCTEN	3296	0.19	0.77	0.00	5.00
R3FJCTEN	2971	0.15	0.69	0.00	5.00
R4FJCTEN	2620	0.14	0.69	0.00	5.00
R5FJCTEN	2248	0.12	0.64	0.00	5.00

R6FJCTEN	1992	0.12	0.63	0.00	5.00
R7FJCTEN	1736	0.13	0.66	0.00	5.00
S1FJCTEN	3450	0.19	0.76	0.00	5.00
S2FJCTEN	2526	0.19	0.77	0.00	5.00
S3FJCTEN	2288	0.15	0.70	0.00	5.00
S4FJCTEN	2003	0.15	0.70	0.00	5.00
S5FJCTEN	1756	0.12	0.64	0.00	5.00
S6FJCTEN	1574	0.11	0.61	0.00	5.00
S7FJCTEN	1374	0.13	0.66	0.00	5.00

## Categorical Variable Codes

Value-----	R1FJCTEN	R2FJCTEN	R3FJCTEN	R4FJCTEN	R5FJCTEN
.m:Missing	7653	6136	6795	8430	8026
0.used year and month	4159	3093	2820	2494	2157
1.used year only, job began	29	17	17	15	11
2.used year only, job began	82	51	38	30	22
3.used year only, job began	95	69	50	40	27
4.used year only, job began	57	46	30	26	18
5.used year only, job began	24	20	16	15	13

Value-----	R6FJCTEN	R7FJCTEN
.m:Missing	8609	7930
0.used year and month	1914	1663
1.used year only, job began	10	6
2.used year only, job began	21	21
3.used year only, job began	20	20
4.used year only, job began	16	14
5.used year only, job began	11	12

Value-----	S1FJCTEN	S2FJCTEN	S3FJCTEN	S4FJCTEN	S5FJCTEN
.m:Missing	4620	3652	4095	5399	5208
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.used year and month	3222	2370	2177	1905	1687
1.used year only, job began	26	14	13	11	8
2.used year only, job began	62	37	22	22	16
3.used year only, job began	79	55	41	33	21
4.used year only, job began	42	35	21	20	12
5.used year only, job began	19	15	14	12	12

Value-----	S6FJCTEN	S7FJCTEN
.m:Missing	5668	5186
.u:Unmar	2802	2548
.v:SP NR	557	558
0.used year and month	1519	1317
1.used year only, job began	7	4
2.used year only, job began	13	18
3.used year only, job began	14	15
4.used year only, job began	11	10
5.used year only, job began	10	10

## How Constructed

RwJCTEN is the respondent's years of tenure on the current job in Wave 'w'.

Current work status, reported job changes, current job start year and current interview date are used to derive the current job tenure for each interview. It is calculated in years, rounded to the nearest tenth, using current interview date minus current job start date.

If the respondent reports a job for the first time, RwJCTEN is calculated by subtracting the date they reported starting the job from the interview date. In following interviews, if the respondent reports that they have not changed jobs or employers since the previously reported job, RwJCTEN is calculated using the originally reported start date and the current interview date.

Don't know, refused, or other missing responses of RwJCTEN are assigned special missing codes .d, .r, .m, respectively. If the respondent's survey was conducted with a proxy, RwJCTEN is set to special missing .p. If the respondent is not working, it is set to a .w missing code. RwJCTEN is not available in Wave 8 and Wave 9 because the year and month the respondent's last job ended is no longer available in the public dataset. RwJCTEN is set to blank missing (.) if the respondent did not participate in the current wave.

RwFJCTEN is a flag variable for the respondent's years of tenure on the current job which indicates if job tenure was calculated from the year and month current job started or if job tenure was calculated just using year current job started. A code of 0 indicates that tenure was calculated from the year and month current job started. A code of 1 indicates job tenure was calculated just using year current job started, but that the respondent specified they started the job in the beginning of that year. A code of 2 indicates job tenure was calculated just using year current job started, but that the respondent specified they started the job in the spring of that year. A code of 3 indicates job tenure was calculated just using year current job started, but that the respondent specified they started the job in the summer of that year. A code of 4 indicates job tenure was calculated just using year current job started, but that the respondent specified they started the job in the autumn of that year. A code of 5 indicates job tenure was calculated just using year current job started, but that the respondent specified they started the job at the end of that year. RwFJCTEN is not available in Wave 8 and Wave 9 because the year and month the respondent's last job ended is no longer available in the public dataset.

SwJCTEN is the respondent's spouse's years of tenure on current job. SwJCTEN is taken from the spouse's values to RwJCTEN. SwFJCTEN is a flag variable for respondent's spouse's years of tenure on the current job. SwFJCTEN is taken from the spouse's values to RwFJCTEN. In addition to the special missing codes employed by RwJCTEN and RwFJCTEN, SwJCTEN and SwFJCTEN employ two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

Although questions pertaining to job tenure are asked in ELSA Wave 8 and Wave 9, the variables are not released in the public dataset. Therefore, RwJCTEN and RwFJCTEN are not available in Wave 8 and Wave 9.

Respondents in ELSA are asked at each wave whether they continue to have the same job reported in their previous wave. For respondents with continuous employment from the previous wave to Waves 8 or 9, RwJCTEN could be calculated by adding the appropriate number of years between their previous interview and the current interview. However, for respondents with new employment, RwJCTEN cannot be calculated without the job start date variables available in the special access dataset in Waves 8 and 9.

## Differences with the RAND HRS/Harmonized HRS

Unlike in the RAND HRS, RwJCTEN in the Harmonized ELSA always computes tenure using the originally reported start date of the job, rather than using reported job start date at the current interview if the respondent continues to hold the same job.

## ELSA Variables Used

### Index File:

FINSTATW1	final status after wave 1 fieldwork
FINSTATW2	final status after wave 2 fieldwork
FINSTATW3	final status after wave 3 fieldwork
FINSTATW4	final status after wave 4 fieldwork
FINSTATW5	final status after w5 fieldwork (from outcome file used)

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
IINTDTM	month of individual interview: month of date: today~s da
IINTDTY	year of individual interview: year of date: today~s date
WPACT1	did you do any of these activities during the last month
WPACT2	did you do any of these activities during the last month
WPACT3	did you do any of these activities during the last month
WPACT4	did you do any of these activities during the last month

WPACT5	did you do any of these activities during the last month
WPACT6	did you do any of these activities during the last month
WPSJOBM	when did you start your current job (month)?
WPSJOBY	when did you start your current job (year)?
Wave 2 Core:	
ASKPX1	Whether interviewed by proxy
IINTDTM	Month of Individual Interview
IINTDTY	Year of Individual Interview
WPACT1	Activities during the last month (1st mention)
WPACT2	Activities during the last month (2nd mention)
WPACT3	Activities during the last month (3rd mention)
WPACT4	Activities during the last month (4th mention)
WPACT5	Activities during the last month (5th mention)
WPACT6	Activities during the last month (6th mention)
WPEMP	Are you still working for the same employer?
WPSJOBM	Month started current job
WPSJOBY	Year started current job
Wave 3 Core:	
ASKPX	whether respondent had a proxy interview
IINTDATM	month of individual interview
IINTDATY	year of individual interview
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPEMP	are you still working for the same employer?
WPSJOBM	month started current job
WPSJOBY	year started current job
Wave 4 Core:	
ASKPX	whether respondent had an interview by proxy
IINTDATM	month of individual interview
IINTDATY	year of individual interview
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPEMP	are you still working for the same employer?
WPSJOBM	month started current job
WPSJOBY	year started current job
Wave 5 Core:	
IINTDATM	Month of Individual Interview
IINTDATY	Year of Individual Interview
WPACTPW	Activities during last month: paid work
WPACTSE	Activities during last month: self-employment
WPEMP	Are you still working for the same employer?
WPSJOBM	Month started current job
WPSJOBY	Year started current job
Wave 6 Core:	
FINSTATW6	final status after wave 6 fieldwork
IINTDATM	month of individual interview
IINTDATY	year of individual interview
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPEMP	are you still working for the same employer?
WPSJOBM	month started current job
WPSJOBY	year started current job
Wave 7 Core:	
ASKPX	whether respondent had an interview by proxy
IINTDATM	month of individual interview
IINTDATY	year of individual interview
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPEMP	are you still working for the same employer?
WPSJOBM	month started current job
WPSJOBY	year started current job

**Occupation Code for Current Job: National Statistics Socio-economic Classification**

Wave	Variable	Label	Type
2	R2NSSEC13	r2nssec13:w2 r current job classification, 13 cat	Categ
3	R3NSSEC13	r3nssec13:w3 r current job classification, 13 cat	Categ
4	R4NSSEC13	r4nssec13:w4 r current job classification, 13 cat	Categ
5	R5NSSEC13	r5nssec13:w5 r current job classification, 13 cat	Categ
6	R6NSSEC13	r6nssec13:w6 r current job classification, 13 cat	Categ
7	R7NSSEC13	r7nssec13:w7 r current job classification, 13 cat	Categ
2	S2NSSEC13	s2nssec13:w2 s current job classification, 13 cat	Categ
3	S3NSSEC13	s3nssec13:w3 s current job classification, 13 cat	Categ
4	S4NSSEC13	s4nssec13:w4 s current job classification, 13 cat	Categ
5	S5NSSEC13	s5nssec13:w5 s current job classification, 13 cat	Categ
6	S6NSSEC13	s6nssec13:w6 s current job classification, 13 cat	Categ
7	S7NSSEC13	s7nssec13:w7 s current job classification, 13 cat	Categ
2	R2NSSEC8	r2nssec8:w2 r current job classification, 8 cat	Categ
3	R3NSSEC8	r3nssec8:w3 r current job classification, 8 cat	Categ
4	R4NSSEC8	r4nssec8:w4 r current job classification, 8 cat	Categ
5	R5NSSEC8	r5nssec8:w5 r current job classification, 8 cat	Categ
6	R6NSSEC8	r6nssec8:w6 r current job classification, 8 cat	Categ
7	R7NSSEC8	r7nssec8:w7 r current job classification, 8 cat	Categ
8	R8NSSEC8	r8nssec8:w8 r current job classification, 8 cat	Categ
9	R9NSSEC8	r9nssec8:w9 r current job classification, 8 cat	Categ
2	S2NSSEC8	s2nssec8:w2 s current job classification, 8 cat	Categ
3	S3NSSEC8	s3nssec8:w3 s current job classification, 8 cat	Categ
4	S4NSSEC8	s4nssec8:w4 s current job classification, 8 cat	Categ
5	S5NSSEC8	s5nssec8:w5 s current job classification, 8 cat	Categ
6	S6NSSEC8	s6nssec8:w6 s current job classification, 8 cat	Categ
7	S7NSSEC8	s7nssec8:w7 s current job classification, 8 cat	Categ
8	S8NSSEC8	s8nssec8:w8 s current job classification, 8 cat	Categ
9	S9NSSEC8	s9nssec8:w9 s current job classification, 8 cat	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R2NSSEC13	3237	7.95	3.58	1.00	13.00
R3NSSEC13	3896	7.74	3.53	1.00	13.00
R4NSSEC13	4021	7.65	3.54	1.00	13.00
R5NSSEC13	3427	7.62	3.54	1.00	13.00
R6NSSEC13	3601	7.64	3.58	1.00	13.00
R7NSSEC13	2782	7.65	3.54	1.00	13.00
S2NSSEC13	2479	7.88	3.59	1.00	13.00
S3NSSEC13	3013	7.68	3.55	1.00	13.00
S4NSSEC13	3092	7.64	3.54	1.00	13.00
S5NSSEC13	2687	7.63	3.54	1.00	13.00
S6NSSEC13	2818	7.62	3.59	1.00	13.00
S7NSSEC13	2142	7.64	3.56	1.00	13.00
R2NSSEC8	3237	3.80	1.98	1.00	7.00
R3NSSEC8	3896	3.67	1.94	1.00	7.00
R4NSSEC8	4021	3.62	1.94	1.00	7.00
R5NSSEC8	3427	3.61	1.94	1.00	7.00
R6NSSEC8	3601	3.62	1.97	1.00	7.00
R7NSSEC8	2782	3.62	1.94	1.00	7.00
R8NSSEC8	2230	3.62	1.93	1.00	7.00

R9NSSEC8	2098	3.63	1.94	1.00	7.00
S2NSSEC8	2479	3.76	1.98	1.00	7.00
S3NSSEC8	3013	3.65	1.95	1.00	7.00
S4NSSEC8	3092	3.61	1.93	1.00	7.00
S5NSSEC8	2687	3.61	1.94	1.00	7.00
S6NSSEC8	2818	3.61	1.97	1.00	7.00
S7NSSEC8	2142	3.61	1.95	1.00	7.00
S8NSSEC8	1707	3.60	1.95	1.00	7.00
S9NSSEC8	1549	3.59	1.96	1.00	7.00

**Categorical Variable Codes**

Value-----	R2NSSEC13	R3NSSEC13	R4NSSEC13	R5NSSEC13
.c:job not classifiable	1	14	13	12
.d:DK				3
.m:Missing	18	21	188	14
.p:proxy	28	62	355	424
.r:Refuse			3	2
.w:not working	6148	5773	6470	6392
1.employers in large organi	3	6	8	5
2.higher managerial occupat	155	167	164	129
3.higher professional occup	221	294	332	305
4.lower professional & high	482	642	703	611
5.lower managerial occupati	186	237	244	192
6.higher supervisory occupa	115	156	154	130
7.intermediate	427	508	506	430
8.employers in small organi	89	110	94	84
9.own account workers	372	444	489	435
10.lower supervisory occupa	177	221	207	177
11.lower technical	101	124	115	94
12.semi-routine	521	603	630	497
13.routine	388	384	375	338

Value-----	R6NSSEC13	R7NSSEC13
.m:Missing	7	257
.p:proxy	475	597
.r:Refuse	2	
.w:not working	6516	6030
1.employers in large organi	7	3
2.higher managerial occupat	140	106
3.higher professional occup	350	261
4.lower professional & high	620	474
5.lower managerial occupati	194	152
6.higher supervisory occupa	131	107
7.intermediate	431	326
8.employers in small organi	79	65
9.own account workers	475	396
10.lower supervisory occupa	179	139
11.lower technical	84	60
12.semi-routine	538	425
13.routine	373	268

Value-----	S2NSSEC13	S3NSSEC13	S4NSSEC13	S5NSSEC13
.c:job not classifiable		12	12	10
.d:DK				2
.m:Missing	18	17	144	14
.p:proxy	27	60	243	307
.r:Refuse			1	
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
.w:not working	3654	3282	3910	3944
1.employers in large organi	2	5	5	5
2.higher managerial occupat	125	138	134	105
3.higher professional occup	177	238	264	248
4.lower professional & high	363	493	523	459
5.lower managerial occupati	161	202	197	156
6.higher supervisory occupa	87	110	110	103

7.intermediate	322	386	378	321
8.employers in small organi	66	86	70	62
9.own account workers	289	323	396	363
10.lower supervisory occupa	131	183	166	140
11.lower technical	75	102	95	79
12.semi-routine	390	446	469	376
13.routine	291	301	285	270

Value-----	S6NSSEC13	S7NSSEC13
.m:Missing	7	187
.p:proxy	358	484
.r:Refuse	2	
.u:Unmar	2802	2548
.v:SP NR	557	558
.w:not working	4057	3747
1.employers in large organi	7	3
2.higher managerial occupat	117	80
3.higher professional occup	285	212
4.lower professional & high	478	366
5.lower managerial occupati	144	117
6.higher supervisory occupa	102	83
7.intermediate	325	239
8.employers in small organi	54	44
9.own account workers	389	309
10.lower supervisory occupa	146	112
11.lower technical	70	47
12.semi-routine	409	318
13.routine	292	212

Value-----	R2NSSEC8	R3NSSEC8	R4NSSEC8	R5NSSEC8
.d:DK				3
.m:Missing	18	21	188	14
.o:other	1	14	13	12
.p:proxy	28	62	355	424
.r:Refuse			3	2
.w:not working	6148	5773	6470	6392
1.higher managerial and pro	379	467	504	439
2.lower managerial and prof	783	1035	1101	933
3.intermediate occupations	427	508	506	430
4.small employers and own a	461	554	583	519
5.lower supervisory and tec	278	345	322	271
6.semi-routine occupations	521	603	630	497
7.routine occupations	388	384	375	338

Value-----	R6NSSEC8	R7NSSEC8	R8NSSEC8	R9NSSEC8
.d:DK			1	
.h:missing hse preload				600
.m:Missing	7	257	151	116
.o:other	11		10	8
.p:proxy	474	597	384	485
.r:Refuse	2			
.w:not working	6506	6030	5669	5429
1.higher managerial and pro	497	370	298	288
2.lower managerial and prof	945	733	571	529
3.intermediate occupations	431	326	275	247
4.small employers and own a	554	461	381	368
5.lower supervisory and tec	263	199	149	137
6.semi-routine occupations	538	425	349	333
7.routine occupations	373	268	207	196

Value-----	S2NSSEC8	S3NSSEC8	S4NSSEC8	S5NSSEC8
.d:DK				2
.m:Missing	18	17	144	14
.o:other		12	12	10
.p:proxy	27	60	243	307
.r:Refuse			1	
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
.w:not working	3654	3282	3910	3944
1.higher managerial and pro	304	381	403	358
2.lower managerial and prof	611	805	830	718



3.intermediate occupations	322	386	378	321
4.small employers and own a	355	409	466	425
5.lower supervisory and tec	206	285	261	219
6.semi-routine occupations	390	446	469	376
7.routine occupations	291	301	285	270

Value-----	S6NSSEC8	S7NSSEC8	S8NSSEC8	S9NSSEC8
.d:DK			1	
.h:missing hse preload				407
.m:Missing	7	187	105	87
.o:other	10		8	7
.p:proxy	357	484	299	400
.r:Refuse	2			
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.w:not working	4048	3747	3568	3370
1.higher managerial and pro	409	295	242	229
2.lower managerial and prof	724	566	443	394
3.intermediate occupations	325	239	200	179
4.small employers and own a	443	353	283	265
5.lower supervisory and tec	216	159	118	95
6.semi-routine occupations	409	318	259	239
7.routine occupations	292	212	162	148

## How Constructed

RwNSSEC13 and RwNSSEC8 represent the respondent's socio-economic classification based on a current job if the respondent is working in Wave 'w'.

RwNSSEC13 is currently available for Wave 2 in the Derived Variables file and for Wave 3 through 7 in the Core data. RwNSSEC13 is not available in Wave 8 and Wave 9--please see RwNSSEC8 for socio-economic classification information. ELSA offers several different NS-SEC classifications. RwNSSEC13 is based on the long NS-SEC version which includes unclassified and non-workers. This set of classifications also includes sub-classifications for the following classifications: 1.employers in large organizations, 2.higher managerial occupations, 3.higher professional occupations, 4.lower professional & higher technical, 5.lower managerial occupations, 7.intermediate, 8.employers in small organizations, 9.own account workers, 10.lower supervising occupations, 11.lower technical, 12.semi-routine, and 13.routine. These sub-classifications are not represented in RwNSSEC13.

Where available, RwNSSEC13 values were assigned based on the Wave 7 NS-SEC classification. In Wave 7, values of RwNSSEC13 are carried forward from the previous wave only if the respondent was not assigned a NS-SEC classification in the Wave 7 raw data, reported to be currently working, and did not change jobs between this wave and the previous wave.

RwNSSEC8 is currently available for Wave 2 in the Derived Variables file and Waves 3 through 6 and Waves 8 through 9 in the Core data. Wave 7 only offers the long NS-SEC version of the socio-economic classification variable, which has been collapsed to represent the same categories as those available for RwNSSEC8 in the rest of the waves. ELSA offers several different NS-SEC classifications. RwNSSEC8 is based on a combined NS-SEC 8 category classification (individual). This set of classifications include: 1.higher managerial and professional occupations, 2.lower managerial and professional occupations, 3.intermediate occupations, 4.small employers and own account workers, 5.lower supervisory and technical occupations, 6.semi-routine occupations, and 7.routine occupations.

In Wave 7, the RwNSSEC8 is unavailable in the ELSA data, and hence is derived by collapsing the long NS-SEC version of the socio-economic classification variable to represent the same categories as those available for RwNSSEC8 in the rest of the waves. Where available, RwNSSEC8 values were assigned based on the Wave 7 NS-SEC classification. Additionally, values of RwNSSEC8 are carried forward from the previous wave only if the respondent was not assigned a NS-SEC classification in the Wave 7 raw data, reported to be currently working, and did not change jobs between Wave 7 and the previous wave. From Wave 8 onwards, RwNSSEC8's values from the previous wave are carried forward for a small percentage of respondents who are not assigned a NS-SEC classification in the current wave of raw data, are reported to be currently working, and did not change jobs between the current and the previous wave. Otherwise, RwNSSEC8 values from Wave 8 onwards are based on NS-SEC classifications in their wave raw data.

If the respondent has never worked or is not working in Wave 'w', RwnSSEC13 and RwnSSEC8 are set to a .w missing code. If the respondent's survey was conducted with a proxy, RwnSSEC13 and RwnSSEC8 are set to special missing .p. RwnSSEC13 is assigned special missing .c if the socio-economic classification was not stated, adequately described, or not classifiable for other reasons. RwnSSEC8 is assigned special missing .o if the socio-economic classification was described as "other". Don't know, refused, or other missing responses of RwnSSEC13 and RwnSSEC8 are assigned special missing codes .d, .r, .m, respectively. In Waves 3, 4, 6, 7 and 9, new ELSA respondents who reported having the same job as at the HSE interview are not asked this question and so are assigned special missing .h because this information from the HSE interview is not provided in the datasets. These special missing .h values can be carried forward into future waves if the respondent does not change jobs. RwnSSEC13 and RwnSSEC8 are set to blank missing (.) if the respondent did not participate in the current wave.

SwNSSEC13 and SwNSSEC8 indicate the respondent's spouse's socio-economic classification. It is taken from the spouse's values to RwnSSEC13 and RwnSSEC8 in the current wave. In addition to the special missing codes employed by RwnSSEC13 and RwnSSEC8, SwNSSEC13 and SwNSSEC8 employ two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

### Cross Wave Differences in ELSA

RwnSSEC13 is not available for Wave 1, Wave 8 and Wave 9.

RwnSSEC8 is not available for Wave 1 and is derived for Wave 7 based on the long NS-SEC version of the socio-economic classification variable, which has been collapsed to represent the same categories as those available for RwnSSEC8 in the rest of the waves.

In Wave 7, the RwnSSEC8 is unavailable in the ELSA data, and hence is derived by collapsing the long NS-SEC version of the socio-economic classification variable to represent the same categories as those available for RwnSSEC8 in the rest of the waves. Additionally, values of RwnSSEC13 and RwnSSEC8 are carried forward from the previous wave only if the respondent was not assigned a NS-SEC classification in the Wave 7 raw data, reported to be currently working, and did not change jobs between Wave 7 and the previous wave. Where available, RwnSSEC13 and RwnSSEC8 values were assigned based on the wave 7 NS-SEC classification for respondents working in that wave. From Wave 8 onwards, RwnSSEC8's values from the previous wave are carried forward for a small percentage of respondents who are not assigned a NS-SEC classification in the current wave of raw data, are reported to be currently working, and did not change jobs between the current and the previous wave. Otherwise, RwnSSEC8 values from Wave 8 onwards are based on NS-SEC classifications in their wave raw data.

### Differences with the RAND HRS/Harmonized HRS

RwnSSEC13 and RwnSSEC8 capture socio-economic classification and are not immediately comparable to the occupation codes used in RwjCOCC in the RAND HRS.

### ELSA Variables Used

#### Wave 2 Derived:

W2NSSEC	(d) final ns-sec - long version (including unclassifiabl
W2NSSEC8	(d) ns-sec 8 variable classification (individual)
W2NSSECMIS	(d) reason respondent has no ns-sec code

#### Wave 3 Core:

W3NSSEC	(d) final ns-sec - long version (including unclassifiabl
W3NSSEC8	(d) ns-sec 8 category classification (individual)
W3NSSECMIS	(d) reason respondent has no ns-sec code

#### Wave 4 Core:

ASKPX	whether respondent had an interview by proxy
W4NSSEC	(d) final w4 ns-sec - long version (including unclassifi
W4NSSEC8	(d) final w4 ns-sec 8 category classification (individua

#### Wave 5 Core:

ASKPX	Whether respondent had an interview by proxy
W5NSSEC	(D) FINAL W5 NS-SEC - long version (including unclassifi
W5NSSEC8	(D) FINAL w5 NS-SEC 8 category classification (individua

## Wave 6 Core:

ASKPX whether respondent had an interview by proxy  
W6NSSEC13 (d) final w6 ns-sec - long version  
W6NSSEC8 (d) final w6 ns-sec 8 category classification (individua

## Wave 7 Core:

ASKPX whether respondent had an interview by proxy  
NSSEC ns-sec (long version)  
WPACTPW activities during last month: paid work  
WPACTSE activities during last month: self-employment  
WPEVER have you ever done any paid work?  
WPSTJ is the job you had last time you were interviewed [still

## Wave 8 Core:

ASKPX computed: whether respondent had an interview by proxy  
W8NSSEC8 (d) combined ns-sec 8 category classification (individua

## Wave 9 Core:

ASKPX Computed: whether respondent had an interview by proxy  
W9NSSEC8 (D) Combined NS-SEC 8 category classification (individua

<b>Occupation Code for Current Job: Standard Occupational Classification 2000</b>
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Wave	Variable	Label	Type
1	R1SOC2000	r1soc2000:w1 r cur job occup/2000 soc coding	Categ
2	R2SOC2000	r2soc2000:w2 r cur job occup/2000 soc coding	Categ
3	R3SOC2000	r3soc2000:w3 r cur job occup/2000 soc coding	Categ
4	R4SOC2000	r4soc2000:w4 r cur job occup/2000 soc coding	Categ
5	R5SOC2000	r5soc2000:w5 r cur job occup/2000 soc coding	Categ
6	R6SOC2000	r6soc2000:w6 r cur job occup/2000 soc coding	Categ
7	R7SOC2000	r7soc2000:w7 r cur job occup/2000 soc coding	Categ
8	R8SOC2000	r8soc2000:w8 r cur job occup/2000 soc coding	Categ
9	R9SOC2000	r9soc2000:w9 r cur job occup/2000 soc coding	Categ
1	S1SOC2000	s1soc2000:w1 s cur job occup/2000 soc coding	Categ
2	S2SOC2000	s2soc2000:w2 s cur job occup/2000 soc coding	Categ
3	S3SOC2000	s3soc2000:w3 s cur job occup/2000 soc coding	Categ
4	S4SOC2000	s4soc2000:w4 s cur job occup/2000 soc coding	Categ
5	S5SOC2000	s5soc2000:w5 s cur job occup/2000 soc coding	Categ
6	S6SOC2000	s6soc2000:w6 s cur job occup/2000 soc coding	Categ
7	S7SOC2000	s7soc2000:w7 s cur job occup/2000 soc coding	Categ
8	S8SOC2000	s8soc2000:w8 s cur job occup/2000 soc coding	Categ
9	S9SOC2000	s9soc2000:w9 s cur job occup/2000 soc coding	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SOC2000	4542	13.43	7.82	1.00	25.00
R2SOC2000	3243	13.26	7.76	1.00	25.00
R3SOC2000	3839	12.79	7.66	1.00	25.00
R4SOC2000	4022	12.65	7.70	1.00	25.00
R5SOC2000	3417	12.63	7.65	1.00	25.00
R6SOC2000	3592	12.71	7.64	1.00	25.00
R7SOC2000	2195	12.57	7.54	1.00	25.00
R8SOC2000	2244	12.49	7.68	1.00	25.00
R9SOC2000	2038	12.63	7.59	1.00	25.00
S1SOC2000	3529	13.28	7.87	1.00	25.00
S2SOC2000	2485	13.10	7.83	1.00	25.00
S3SOC2000	2974	12.65	7.74	1.00	25.00
S4SOC2000	3094	12.55	7.75	1.00	25.00
S5SOC2000	2677	12.58	7.73	1.00	25.00
S6SOC2000	2810	12.65	7.68	1.00	25.00
S7SOC2000	1683	12.58	7.56	1.00	25.00
S8SOC2000	1721	12.39	7.69	1.00	25.00
S9SOC2000	1495	12.53	7.57	1.00	25.00

### Categorical Variable Codes

Value-----	R1SOC2000	R2SOC2000	R3SOC2000	R4SOC2000	R5SOC2000
.d:DK	1				
.m:Missing	19	27	108	259	118
.r:Refuse	3	1			
.w:not working	7534	6161	5819	6769	6739
1.managers/senior officials	450	320	392	413	325
2.managers/proprietors in a	149	109	132	132	117
3.science/tech pro	107	75	102	119	105
4.health pro	33	25	27	34	28
5.teaching/research pro	299	230	280	326	271
6.business/public service p	142	93	130	147	135

7.science/tech assoc pro	52	39	50	51	47
8.health/social welfare ass	180	137	194	191	173
9.protective service occ	22	14	18	11	11
10.culture/media/sports occ	87	64	77	79	80
11.business/public service	168	109	162	186	164
12.administrative occ	461	361	410	438	375
13.secretarial & related oc	204	139	162	169	140
14.skilled ag trades	94	67	72	71	58
15.skilled metal/electrical	199	136	161	151	123
16.skilled construction/bui	163	119	145	127	107
17.textiles/printing/other	93	66	69	75	65
18.caring personal service	246	192	237	247	214
19.leisure/other personal s	102	78	78	80	77
20.sales occ	276	198	215	211	163
21.customer service occ	27	15	31	32	24
22.process/plant/machine op	173	97	122	113	85
23.transport/mobile machine	211	150	149	183	154
24.elementary trades/plant/	135	96	113	107	87
25.elementary administrativ	469	314	311	329	289

Value-----	R6SOC2000	R7SOC2000	R8SOC2000	R9SOC2000
.d:DK		1		
.h:missing hse preload		401		703
.m:Missing	114	667	214	233
.w:not working	6895	6402	5987	5762
1.managers/senior officials	337	194	232	199
2.managers/proprietors in a	132	93	102	84
3.science/tech pro	117	69	68	61
4.health pro	38	25	27	20
5.teaching/research pro	230	129	125	111
6.business/public service p	145	102	92	95
7.science/tech assoc pro	57	38	31	20
8.health/social welfare ass	176	109	113	103
9.protective service occ	18	10	6	9
10.culture/media/sports occ	92	55	59	56
11.business/public service	188	117	108	112
12.administrative occ	375	243	266	226
13.secretarial & related oc	141	85	77	75
14.skilled ag trades	63	43	40	38
15.skilled metal/electrical	131	82	75	60
16.skilled construction/bui	117	80	69	60
17.textiles/printing/other	56	37	34	41
18.caring personal service	253	151	149	147
19.leisure/other personal s	74	41	49	51
20.sales occ	177	102	114	117
21.customer service occ	24	14	17	14
22.process/plant/machine op	91	51	60	44
23.transport/mobile machine	170	91	95	82
24.elementary trades/plant/	99	65	70	56
25.elementary administrativ	291	169	166	157

Value-----	S1SOC2000	S2SOC2000	S3SOC2000	S4SOC2000	S5SOC2000
.m:Missing	16	26	86	212	114
.r:Refuse	3	1			
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.w:not working	4522	3666	3324	4096	4173
1.managers/senior officials	377	266	335	335	267
2.managers/proprietors in a	117	91	102	108	99
3.science/tech pro	88	58	82	93	87
4.health pro	26	19	23	32	27
5.teaching/research pro	231	176	213	250	206
6.business/public service p	109	70	99	106	107
7.science/tech assoc pro	45	31	42	38	34
8.health/social welfare ass	133	96	140	137	126
9.protective service occ	15	9	11	7	8
10.culture/media/sports occ	66	48	55	56	53
11.business/public service	135	85	128	146	124
12.administrative occ	348	276	316	328	290
13.secretarial & related oc	151	103	120	125	108
14.skilled ag trades	74	50	55	64	53

15.skilled metal/electrical	167	106	134	132	103
16.skilled construction/bui	135	99	116	103	89
17.textiles/printing/other	66	46	54	56	50
18.caring personal service	183	144	175	182	160
19.leisure/other personal s	75	56	50	54	53
20.sales occ	206	145	154	147	122
21.customer service occ	23	12	21	24	17
22.process/plant/machine op	134	72	102	97	70
23.transport/mobile machine	171	113	120	136	119
24.elementary trades/plant/	102	74	95	90	77
25.elementary administrativ	352	240	232	248	228

Value-----	S6SOC2000	S7SOC2000	S8SOC2000	S9SOC2000
.d:DK		1		
.h:missing hse preload		315		510
.m:Missing	113	553	168	198
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.w:not working	4319	4008	3799	3617
1.managers/senior officials	263	144	177	139
2.managers/proprietors in a	110	74	79	64
3.science/tech pro	102	60	58	48
4.health pro	29	18	20	15
5.teaching/research pro	181	96	98	81
6.business/public service p	118	80	75	75
7.science/tech assoc pro	44	30	26	15
8.health/social welfare ass	128	77	83	76
9.protective service occ	15	8	4	8
10.culture/media/sports occ	69	40	44	44
11.business/public service	145	93	88	89
12.administrative occ	290	185	202	167
13.secretarial & related oc	106	64	56	53
14.skilled ag trades	53	35	33	28
15.skilled metal/electrical	112	72	66	48
16.skilled construction/bui	97	64	54	50
17.textiles/printing/other	42	27	23	28
18.caring personal service	186	109	109	99
19.leisure/other personal s	50	27	30	30
20.sales occ	132	75	80	76
21.customer service occ	18	10	12	8
22.process/plant/machine op	72	38	43	32
23.transport/mobile machine	138	70	76	63
24.elementary trades/plant/	85	57	62	43
25.elementary administrativ	225	130	123	116

## How Constructed

RwSOC2000 represents the respondent's occupational classification based on the Standard Occupational Classification (2000) for their current job if the respondent is working in Wave 'w'. RwSOC2000 is coded as follows: 1.managers and senior officials, 2.managers and proprietors in agriculture and services, 3.science and technology professionals, 4.health professionals, 5.teaching and research professionals, 6.business and public service professionals, 7.science and technology associate professionals, 8.health and social welfare associate professionals, 9.protective service occupations, 10.culture, media and sports occupations, 11.business and public service associate professionals, 12.administrative occupations, 13.secretarial and related occupations, 14.skilled agricultural trades, 15.skilled metal and electrical trades, 16.skilled construction and building trades, 17.textiles, printing and other skilled trades, 18.caring personal service occupations, 19.leisure and other personal service occupations, 20.sales occupations, 21.customer service occupations, 22.process, plant and machine operatives, 23.transport and mobile machine drivers and operatives, 24.elementary trades, plant and storage related occupations, 25.elementary administration and service occupations. In Wave 1, there are two separate variables for occupational classification based on the HSE survey and the ELSA survey. In this wave, the classification provided for the ELSA survey will replace any value from the HSE survey because it is likely to be a more recent job. The occupational classification variable is not released for Wave 7, so in this wave values are carried forward from the most recent participating wave if the respondent's job has not changed. If the respondent has never worked or is not working in the current wave, RwSOC2000 is set to a special missing .w. If the respondent was new to the survey in Wave 7 and, therefore, did not have an occupational classification to carry forward, then RwSOC2000 is set to special missing .n. Don't know, refused, or other missing responses of RwSOC2000 are assigned special missing codes .d, .r, .m,

respectively. In Waves 3, 4, 6, 7 and 9, new ELSA respondents who reported having the same job as at the HSE interview are not asked this question and so are assigned special missing .h because this information from the HSE interview is not provided in the datasets. These special missing .h values can be carried forward into future waves if the respondent does not change jobs. Rwsoc2000 is set to blank missing (.) if the respondent did not participate in the current wave.

SwSoc2000 indicates the respondent's spouse's occupational classification. It is taken from the spouse's values to Rwsoc2000 in the current wave. In addition to the special missing codes employed by Rwsoc2000, SwSoc2000 employs two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

For more information on the SOC2000 coding, please see the "Standard Occupational Classification 2000 (SOC2000) Summary of Structure" released by National Statistics in June 2000.

## Cross Wave Differences in ELSA

In Wave 1, a set of occupational codes is released in the raw data for the HSE sample and for the ELSA sample. Starting in Wave 2, a single set of occupational codes is released containing all members of the sample.

While a description of the respondent's job is asked in all waves, a variable indicating the respondent's job classification is not released in Wave 7. As such, if the respondent reports having the same job, we carried forward values from the respondent's most recent interview for R7SOC2000.

## Differences with the RAND HRS/Harmonized HRS

Rwsoc2000 is based on a different set of occupation codes than Rwjcoccb in the RAND HRS.

## ELSA Variables Used

### Wave 1 Core:

AXSC2000	from hse: soc2000 (without dots)
EXS2000	elsa soc2000 (without dots)
WPACT1	did you do any of these activities during the last month
WPACT2	did you do any of these activities during the last month
WPACT3	did you do any of these activities during the last month
WPACT4	did you do any of these activities during the last month
WPACT5	did you do any of these activities during the last month
WPACT6	did you do any of these activities during the last month

### Wave 2 Core:

W2SOC2000	(D) Combined ELSA W2/W1/HSE: SOC2000 (without dots)
WPACT1	Activities during the last month (1st mention)
WPACT2	Activities during the last month (2nd mention)
WPACT3	Activities during the last month (3rd mention)
WPACT4	Activities during the last month (4th mention)
WPACT5	Activities during the last month (5th mention)
WPACT6	Activities during the last month (6th mention)

### Wave 3 Core:

W3SOC2000	(d) combined elsa soc2000 (without dots)
WPACT96	activities during last month: none of these
WPACTCA	activities during last month: cared for someone
WPACTED	activities during last month: attended a formal educatio
WPACTLO	activities during last month: looked after home or famil
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPACTVW	activities during last month: voluntary work

### Wave 4 Core:

W4SOC2000	(d) combined elsa soc2000 (without dots)
WPACT96	activities during last month: none of these
WPACTCA	activities during last month: cared for someone

WPACTED activities during last month: attended a formal educatio  
 WPACTLO activities during last month: looked after home or famil  
 WPACTPW activities during last month: paid work  
 WPACTSE activities during last month: self-employment  
 WPACTVW activities during last month: voluntary work  
 Wave 5 Core:  
 W5SOC2000 (D) Combined ELSA SOC2000 (without dots)  
 WPACT96 Activities during last month: none of these  
 WPACTCA Activities during last month: cared for someone  
 WPACTED Activities during last month: attended a formal educatio  
 WPACTLO Activities during last month: looked after home or famil  
 WPACTPW Activities during last month: paid work  
 WPACTSE Activities during last month: self-employment  
 WPACTVW Activities during last month: voluntary work  
 Wave 6 Core:  
 W6SOC2000 (d) combined elsa soc2000 (without dots)  
 WPACT96 activities during last month: none of these  
 WPACTCA activities during last month: cared for someone  
 WPACTED activities during last month: attended a formal educatio  
 WPACTLO activities during last month: looked after home or famil  
 WPACTPW activities during last month: paid work  
 WPACTSE activities during last month: self-employment  
 WPACTVW activities during last month: voluntary work  
 Wave 7 Core:  
 WPACT96 activities during last month: none of these  
 WPACTCA activities during last month: cared for someone  
 WPACTED activities during last month: attended a formal educatio  
 WPACTLO activities during last month: looked after home or famil  
 WPACTPW activities during last month: paid work  
 WPACTSE activities during last month: self-employment  
 WPACTVW activities during last month: voluntary work  
 Wave 8 Core:  
 W8SOC2000R (d) combined soc 2000 code (full 2-digit; without dots)  
 WPACT96 activities during last month: none of these  
 WPACTCA activities during last month: cared for someone  
 WPACTED activities during last month: attended a formal educatio  
 WPACTLO activities during last month: looked after home or famil  
 WPACTPW activities during last month: paid work  
 WPACTSE activities during last month: self-employment  
 WPACTVW activities during last month: voluntary work  
 Wave 9 Core:  
 W9SOC2000R (D) Combined SOC 2000 code (full 2-digit; without dots)  
 WPACT96 Activities during last month: none of these  
 WPACTCA Activities during last month: cared for someone  
 WPACTED Activities during last month: attended a formal educatio  
 WPACTLO Activities during last month: looked after home or famil  
 WPACTPW Activities during last month: paid work  
 WPACTSE Activities during last month: self-employment  
 WPACTVW Activities during last month: voluntary work



<b>Month and Year Last Job Ended</b>
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Wave	Variable	Label	Type
1	R1JLASTM	r1jlastm:w1 r Month Last Worked/not working	Cont
2	R2JLASTM	r2jlastm:w2 r Month Last Worked/not working	Cont
3	R3JLASTM	r3jlastm:w3 r Month Last Worked/not working	Cont
4	R4JLASTM	r4jlastm:w4 r Month Last Worked/not working	Cont
5	R5JLASTM	r5jlastm:w5 r Month Last Worked/not working	Cont
6	R6JLASTM	r6jlastm:w6 r Month Last Worked/not working	Cont
7	R7JLASTM	r7jlastm:w7 r Month Last Worked/not working	Cont
1	S1JLASTM	s1jlastm:w1 s Month Last Worked/not working	Cont
2	S2JLASTM	s2jlastm:w2 s Month Last Worked/not working	Cont
3	S3JLASTM	s3jlastm:w3 s Month Last Worked/not working	Cont
4	S4JLASTM	s4jlastm:w4 s Month Last Worked/not working	Cont
5	S5JLASTM	s5jlastm:w5 s Month Last Worked/not working	Cont
6	S6JLASTM	s6jlastm:w6 s Month Last Worked/not working	Cont
7	S7JLASTM	s7jlastm:w7 s Month Last Worked/not working	Cont
1	R1JLASTY	r1jlasty:w1 r Year Last Worked/not working	Cont
2	R2JLASTY	r2jlasty:w2 r Year Last Worked/not working	Cont
3	R3JLASTY	r3jlasty:w3 r Year Last Worked/not working	Cont
4	R4JLASTY	r4jlasty:w4 r Year Last Worked/not working	Cont
5	R5JLASTY	r5jlasty:w5 r Year Last Worked/not working	Cont
6	R6JLASTY	r6jlasty:w6 r Year Last Worked/not working	Cont
7	R7JLASTY	r7jlasty:w7 r Year Last Worked/not working	Cont
1	S1JLASTY	s1jlasty:w1 s Year Last Worked/not working	Cont
2	S2JLASTY	s2jlasty:w2 s Year Last Worked/not working	Cont
3	S3JLASTY	s3jlasty:w3 s Year Last Worked/not working	Cont
4	S4JLASTY	s4jlasty:w4 s Year Last Worked/not working	Cont
5	S5JLASTY	s5jlasty:w5 s Year Last Worked/not working	Cont
6	S6JLASTY	s6jlasty:w6 s Year Last Worked/not working	Cont
7	S7JLASTY	s7jlasty:w7 s Year Last Worked/not working	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JLASTM	3529	7.20	4.00	1.00	17.00
R2JLASTM	3224	7.13	3.95	1.00	17.00
R3JLASTM	3113	6.99	3.86	1.00	17.00
R4JLASTM	3312	7.02	3.84	1.00	17.00
R5JLASTM	3629	6.97	3.77	1.00	17.00
R6JLASTM	3811	6.97	3.70	1.00	17.00
R7JLASTM	3745	7.01	3.66	1.00	17.00
S1JLASTM	2441	7.06	3.91	1.00	17.00
S2JLASTM	2170	7.06	3.87	1.00	17.00
S3JLASTM	2006	6.92	3.77	1.00	17.00
S4JLASTM	2153	7.00	3.78	1.00	17.00
S5JLASTM	2431	7.02	3.71	1.00	17.00
S6JLASTM	2574	6.99	3.66	1.00	17.00
S7JLASTM	2513	7.03	3.63	1.00	17.00
R1JLASTY	6987	1988.34	11.80	1919.00	2003.00
R2JLASTY	5659	1990.21	11.75	1919.00	2005.00
R3JLASTY	5028	1991.75	11.82	1919.00	2007.00
R4JLASTY	4833	1994.11	11.73	1919.00	2009.00
R5JLASTY	4811	1996.81	11.19	1919.00	2011.00

R6JLASTY	4756	1999.12	11.06	1919.00	2013.00
R7JLASTY	4460	2000.95	10.92	1947.00	2015.00
S1JLASTY	4235	1990.05	10.69	1919.00	2003.00
S2JLASTY	3371	1992.03	10.59	1919.00	2005.00
S3JLASTY	2890	1993.76	10.51	1919.00	2007.00
S4JLASTY	2846	1996.15	10.54	1919.00	2009.00
S5JLASTY	2987	1998.60	10.41	1919.00	2011.00
S6JLASTY	3014	2000.87	10.24	1919.00	2013.00
S7JLASTY	2849	2002.67	9.98	1949.00	2015.00

### Categorical Variable Codes

Value-----	R1JLASTM	R2JLASTM	R3JLASTM	R4JLASTM	R5JLASTM
.d:DK	190	129	118	114	136
.f:doing unpaid work for fa	15	12	9	6	5
.h:missing hse value			186	1157	914
.j:entering/training for jo	14	6	5	6	7
.m:Missing		14	19	36	155
.n:never worked	214	146	107	95	68
.p:proxy	175	147	253	485	590
.r:Refuse	18	12	13	15	17
.t:temporarily out of work	53	42	50	63	40
.w:currently working	4513	3326	4032	4296	3591
.y:ended on or before 1990,	3378	2374	1861	1465	1122
1.January	210	202	201	217	231
2.February	212	191	191	195	215
3.March	358	322	312	338	364
4.April	301	271	269	276	306
5.May	241	230	233	245	273
6.June	343	321	308	317	341
7.July	328	301	299	307	372
8.August	227	214	221	250	276
9.September	279	241	234	240	257
10.October	236	212	197	207	238
11.November	196	185	169	200	219
12.December	309	306	287	340	366
13.Winter (start of year)	24	15	15	14	13
14.Spring	69	56	49	44	42
15.Summer	91	69	64	56	51
16.Autumn	41	41	28	30	30
17.Winter (end of year)	64	47	36	36	35

Value-----	R6JLASTM	R7JLASTM
.d:DK	130	126
.f:doing unpaid work for fa	5	4
.h:missing hse value	994	843
.j:entering/training for jo	7	7
.m:Missing	181	161
.n:never worked	58	41
.p:proxy	682	665
.r:Refuse	15	9
.t:temporarily out of work	51	26
.w:currently working	3784	3379
.y:ended on or before 1990,	883	660
1.January	251	230
2.February	216	202
3.March	384	369
4.April	302	302
5.May	278	275
6.June	343	345
7.July	397	405
8.August	307	300
9.September	298	304
10.October	252	247
11.November	235	218
12.December	399	405
13.Winter (start of year)	12	11

14.Spring	41	45			
15.Summer	43	36			
16.Autumn	28	27			
17.Winter (end of year)	25	24			
Value-----	S1JLASTM	S2JLASTM	S3JLASTM	S4JLASTM	S5JLASTM
.d:DK	77	64	60	64	84
.f:doing unpaid work for fa	10	7	4	3	4
.h:missing hse value			104	787	605
.j:entering/training for jo	10	5	3	3	4
.m:Missing		13	19	33	35
.n:never worked	104	61	36	36	26
.p:proxy	122	112	172	362	459
.r:Refuse	11	6	5	9	8
.t:temporarily out of work	38	34	30	46	30
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.w:currently working	3499	2538	3092	3246	2755
.y:ended on or before 1990,	1758	1168	853	660	523
1.January	149	128	117	128	138
2.February	146	129	122	127	134
3.March	249	222	215	230	247
4.April	223	190	177	185	206
5.May	175	166	162	169	196
6.June	227	208	185	179	206
7.July	234	206	201	211	266
8.August	165	155	154	173	201
9.September	201	161	147	144	169
10.October	159	133	124	133	156
11.November	140	132	118	144	154
12.December	206	204	175	227	253
13.Winter (start of year)	13	9	9	9	7
14.Spring	45	39	34	28	30
15.Summer	44	34	28	29	26
16.Autumn	26	26	16	19	20
17.Winter (end of year)	39	28	22	18	22
Value-----	S6JLASTM	S7JLASTM			
.d:DK	80	77			
.f:doing unpaid work for fa	4	4			
.h:missing hse value	633	494			
.j:entering/training for jo	2	2			
.m:Missing	39	42			
.n:never worked	25	18			
.p:proxy	551	544			
.r:Refuse	9	7			
.t:temporarily out of work	37	14			
.u:Unmar	2802	2548			
.v:SP NR	557	558			
.w:currently working	2880	2542			
.y:ended on or before 1990,	408	303			
1.January	157	152			
2.February	135	119			
3.March	270	248			
4.April	206	206			
5.May	194	193			
6.June	209	218			
7.July	290	291			
8.August	220	213			
9.September	195	198			
10.October	163	156			
11.November	163	144			
12.December	280	284			
13.Winter (start of year)	7	6			
14.Spring	26	34			
15.Summer	25	20			
16.Autumn	17	15			
17.Winter (end of year)	17	16			

## How Constructed

RwJLASTM and RwJLASTY are the month and year, respectively, when the respondent last worked. A respondent is asked about past jobs retrospectively at their first interview. If the respondent reports ever having worked, then the end year of the most recent job is asked. If the end year was after 1990, then the respondent was asked the last month worked at the most recent job. For month, respondents can specify the calendar month or report whether they ended their job at the beginning of the year, in the spring, in the summer, in the autumn, or at the end of year. Seasonal responses are given codes 13-17. After the first interview, the respondent is asked when their last job ended if the respondent reports having a paid job since the last interview or if the respondent reports that the job reported during the last interview is not the most recent.

Don't know, refused, or other missing responses of RwJLASTM and RwJLASTY are assigned special missing codes .d, .r, .m, respectively. If the respondent's survey was conducted with a proxy, RwJLASTM and RwJLASTY are set to special missing .p. If the respondent is working then RwJLASTM and RwJLASTY are set to a .w missing code. If the respondent never worked, RwJLASTM and RwJLASTY are set to a .n missing code. If the month and year the respondent last worked are missing because the respondent previously reported their last month/year working in a HSE survey which is not currently provided by ELSA, RwJLASTM and RwJLASTY are assigned special missing code .h. If the respondent's month/year last worked was not asked because the respondent reported they were only temporarily out of work, RwJLASTM and RwJLASTY are assigned special missing code .t. If the respondent's month/year last worked was not asked because the respondent reported they were going to school, in employment training, or waiting to take up paid work already obtained, RwJLASTM and RwJLASTY are assigned special missing code .j. If the respondent's month/year last worked was not asked because the respondent reported they were doing unpaid work for family, RwJLASTM and RwJLASTY are assigned special missing code .f. If the respondent reported the last year they worked was on or before 1990, month last worked was not asked and RwJLASTM is given the special missing value .y. RwJLASTM and RwJLASTY are not available in Wave 8 and Wave 9 because the month and year last worked are no longer provided in the public dataset. RwJLASTM and RwJLASTY are set to blank missing (.) if the respondent did not participate in the current wave.

SwJLASTM and SwJLASTY are the month and year, respectively, when the respondent's spouse last worked. They are taken from the spouse's values to RwJLASTM and RwJLASTY, respectively. In addition to the special missing codes employed by RwJLASTM and RwJLASTY, SwJLASTM and SwJLASTY employ two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

Although the month and year when the respondent last worked is still asked in the ELSA Core survey in Wave 8 and Wave 9, these variables are not released in the public dataset, and are only released in the Special License dataset. Therefore, RwJLASTM and RwJLASTY are not available for Wave 8 and Wave 9.

## Differences with the RAND HRS/Harmonized HRS

Unlike in the RAND HRS, RwJLASTM and RwJLASTY in the Harmonized ELSA do not use the months and years given for retirement, disability, unemployment, and temporary layoff to fill in missing job stop dates.

## ELSA Variables Used

### Index File:

FINSTATW1	final status after wave 1 fieldwork
FINSTATW2	final status after wave 2 fieldwork
FINSTATW3	final status after wave 3 fieldwork
FINSTATW4	final status after wave 4 fieldwork
FINSTATW5	final status after w5 fieldwork (from outcome file used)

### Wave 1 Core:

AEVERJOB	hse feed forward: hse ever had a job
ANACTIV	hse feed forward: hse activity last week
ASKPX1	whether interviewed by proxy
WPACT1	did you do any of these activities during the last month
WPACT2	did you do any of these activities during the last month

WPACT3	did you do any of these activities during the last month
WPACT4	did you do any of these activities during the last month
WPACT5	did you do any of these activities during the last month
WPACT6	did you do any of these activities during the last month
WPAWAY	were you not in paid work or self-employment during the
WPEVER	have you ever done any paid work?
WPLLJM	when did your last job end (month)?
WPLLJY	when did your last job end (year)?
Wave 2 Core:	
ASKPX1	Whether interviewed by proxy
INDAGER	Definitive age variable collapsed at 90 plus. Priority:
WPACT1	Activities during the last month (1st mention)
WPACT2	Activities during the last month (2nd mention)
WPACT3	Activities during the last month (3rd mention)
WPACT4	Activities during the last month (4th mention)
WPACT5	Activities during the last month (5th mention)
WPACT6	Activities during the last month (6th mention)
WPAWAY	Were you not in paid work during the last month due to a
WPEVER	Have you ever done any paid work?
WPJOB	Have you had a paid job since last time we interviewed y
WPJOB1	Is the job you had last time you were interviewed your m
WPLLJM	Month last job ended
WPLLJY	Year last job ended
Wave 3 Core:	
ASKPX	whether respondent had a proxy interview
INDAGER	definitive age variable collapsed at 90 plus. priority:
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPAWAY	were you not in paid work during the last month due to a
WPEVER	have you ever done any paid work?
WPJOB	have you had a paid job since last time we interviewed y
WPJOB1	is the job you had last time you were interviewed your m
WPLLJM	when did your last job end? month
WPLLJY	when did your last job end? year
Wave 4 Core:	
ASKPX	whether respondent had an interview by proxy
INDAGER	definitive age variable collapsed at 90 plus. priority:
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPAWAY	were you not in paid work during the last month due to a
WPEVER	have you ever done any paid work?
WPJOB	have you had a paid job since last time we interviewed y
WPJOB1	is the job you had last time you were interviewed your m
WPLLJM	when did your last job end? month
WPLLJY	when did your last job end? year
Wave 5 Core:	
INDAGER	Definitive age variable collapsed at 90+ to avoid disclo
WPACTPW	Activities during last month: paid work
WPACTSE	Activities during last month: self-employment
WPAWAY	Were you not in paid work during the last month due to a
WPEVER	Have you ever done any paid work?
WPJOB	Have you had a paid job since last time we interviewed y
WPJOB1	Is the job you had last time you were interviewed your m
WPLLJM	When did your last job end? Month
WPLLJY	When did your last job end? Year
Wave 6 Core:	
INDAGER	definitive age variable collapsed at 90+ to avoid disclo
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPAWAY	were you not in paid work during the last month due to a
WPEVER	have you ever done any paid work?
WPJOB	have you had a paid job since last time we interviewed y
WPJOB1	is the job you had last time you were interviewed your m

WPLLJM	when did your last job end? month
WPLLJY	when did your last job end? year
Wave 7 Core:	
ASKPX	whether respondent had an interview by proxy
INDAGER	definitive age variable collapsed at 90+ to avoid disclo
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPAWAY	were you not in paid work during the last month due to a
WPEVER	have you ever done any paid work?
WPJOB	have you had a paid job since last time we interviewed y
WPJOB1	is the job you had last time you were interviewed your m
WPLLJM	when did your last job end? month
WPLLJY	when did your last job end? year

### Reason Away from Work

Wave	Variable	Label	Type
1	R1JRSAWAY	r1jrsway:w1 r reason away from work	Categ
2	R2JRSAWAY	r2jrsway:w2 r reason away from work	Categ
3	R3JRSAWAY	r3jrsway:w3 r reason away from work	Categ
4	R4JRSAWAY	r4jrsway:w4 r reason away from work	Categ
5	R5JRSAWAY	r5jrsway:w5 r reason away from work	Categ
6	R6JRSAWAY	r6jrsway:w6 r reason away from work	Categ
7	R7JRSAWAY	r7jrsway:w7 r reason away from work	Categ
8	R8JRSAWAY	r8jrsway:w8 r reason away from work	Categ
9	R9JRSAWAY	r9jrsway:w9 r reason away from work	Categ
1	S1JRSAWAY	s1jrsway:w1 s reason away from work	Categ
2	S2JRSAWAY	s2jrsway:w2 s reason away from work	Categ
3	S3JRSAWAY	s3jrsway:w3 s reason away from work	Categ
4	S4JRSAWAY	s4jrsway:w4 s reason away from work	Categ
5	S5JRSAWAY	s5jrsway:w5 s reason away from work	Categ
6	S6JRSAWAY	s6jrsway:w6 s reason away from work	Categ
7	S7JRSAWAY	s7jrsway:w7 s reason away from work	Categ
8	S8JRSAWAY	s8jrsway:w8 s reason away from work	Categ
9	S9JRSAWAY	s9jrsway:w9 s reason away from work	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JRSAWAY	55	2.71	1.87	1.00	7.00
R2JRSAWAY	38	2.50	1.59	1.00	7.00
R3JRSAWAY	42	2.29	1.35	1.00	7.00
R4JRSAWAY	50	2.42	1.58	1.00	7.00
R5JRSAWAY	35	2.60	1.82	1.00	7.00
R6JRSAWAY	42	2.69	1.79	1.00	7.00
R7JRSAWAY	21	2.38	1.16	1.00	6.00
R8JRSAWAY	31	2.71	2.02	1.00	7.00
R9JRSAWAY	31	3.35	2.15	1.00	7.00
S1JRSAWAY	40	2.33	1.54	1.00	7.00
S2JRSAWAY	31	2.32	1.40	1.00	7.00
S3JRSAWAY	24	2.38	1.58	1.00	7.00
S4JRSAWAY	37	2.43	1.69	1.00	7.00
S5JRSAWAY	26	2.46	1.77	1.00	7.00
S6JRSAWAY	31	2.45	1.52	1.00	7.00
S7JRSAWAY	11	2.27	0.90	1.00	4.00
S8JRSAWAY	23	2.87	2.16	1.00	7.00
S9JRSAWAY	17	3.35	2.32	1.00	7.00

### Categorical Variable Codes

Value-----	R1JRSAWAY	R2JRSAWAY	R3JRSAWAY	R4JRSAWAY	R5JRSAWAY
.d:DK				1	
.m:Missing	9	1	3	10	8
.n:not working	7467	6118	5768	6705	6696
.w:currently working	4568	3275	3953	4284	3535
1.holiday	8	4	5	7	5
2.sick/injured	36	28	33	36	24
4.laid off	1	2		2	1
6.personal/family	5	1	3	1	1
7.other	5	3	1	4	4

Value-----	R6JRSAWAY	R7JRSAWAY	R8JRSAWAY	R9JRSAWAY	
.m:Missing	2	1	2	1	
.n:not working	6841	6377	5953	5726	
.w:currently working	3716	3267	2459	2978	
1.holiday	6	2	6	4	
2.sick/injured	26	15	19	15	
3.attending a training cour	1				
4.laid off	3	3		3	
6.personal/family	2	1	2	5	
7.other	4		4	4	
Value-----	S1JRSAWAY	S2JRSAWAY	S3JRSAWAY	S4JRSAWAY	S5JRSAWAY
.d:DK				1	
.m:Missing	8	1	1	8	6
.n:not working	4476	3631	3293	4049	4139
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.w:currently working	3546	2515	3066	3307	2793
1.holiday	8	4	4	6	5
2.sick/injured	27	23	17	26	17
4.laid off		2		1	1
6.personal/family	4		2		
7.other	1	2	1	4	3
Value-----	S6JRSAWAY	S7JRSAWAY	S8JRSAWAY	S9JRSAWAY	
.m:Missing	2	1	2	1	
.n:not working	4278	3995	3775	3596	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.w:currently working	2931	2553	1888	2206	
1.holiday	6	1	4	3	
2.sick/injured	18	8	14	8	
3.attending a training cour	1				
4.laid off	3	2			
6.personal/family	2		1	4	
7.other	1		4	2	

## How Constructed

RwJRSAWAY indicates the main reason the respondent was away from work in the last month. Respondents were asked this question if they indicated that they were temporarily away from paid work. RwJRSAWAY is coded as follows: 1.holiday, 2.sick/injured, 3.attending a training course, 4.laid off, 5.on strike, 6.personal/family, and 7.other. If the respondent reports a reason that is not codeable to the other categories, or provides an irrelevant response, then RwJRSAWAY is assigned a value of 7. Special missing .n is assigned if the respondent did not report having paid work or being self-employed in the past month. Special missing .w is assigned if the respondent is currently in paid work or self-employment, or waiting to take up paid work already accepted. RwJRSAWAY is assigned special missing values .d, .r, or .m, if the response was don't know, refused, or missing, respectively. RwJRSAWAY is assigned blank missing (.) if the respondent did not participate in the current wave.

SwJRSAWAY indicates the main reason the current wave's spouse was away from work in the last month, and its values are taken from RwJRSAWAY. In addition to the special missing codes used in RwJRSAWAY, if the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. Also, if the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA asks the respondent directly why they were away from work in the last month.

## ELSA Variables Used



## Wave 1 Core:

WPACT1 did you do any of these activities during the last month  
WPACT2 did you do any of these activities during the last month  
WPACT3 did you do any of these activities during the last month  
WPACT4 did you do any of these activities during the last month  
WPACT5 did you do any of these activities during the last month  
WPACT6 did you do any of these activities during the last month  
WPACTW derived: prioritised value for work status in last month  
WPTAW what was the main reason you were away from work last mo

## Wave 2 Core:

WPACT1 Activities during the last month (1st mention)  
WPACT2 Activities during the last month (2nd mention)  
WPACT3 Activities during the last month (3rd mention)  
WPACT4 Activities during the last month (4th mention)  
WPACT5 Activities during the last month (5th mention)  
WPACT6 Activities during the last month (6th mention)  
WPACTW Derived: prioritised value for work status in last month  
WPTAW Main reason for being away from work last month

## Wave 3 Core:

WPACTW derived: prioritised value for work status in last month  
WPTAW main reason for being away from work last month

## Wave 4 Core:

WPACTW derived: prioritised value for work status in last month  
WPTAW main reason for being away from work last month

## Wave 5 Core:

WPACTW Derived: prioritised value for work status in last month  
WPTAW Main reason for being away from work last month

## Wave 6 Core:

WPACTW derived: prioritised value for work status in last month  
WPTAW main reason for being away from work last month

## Wave 7 Core:

WPACTW derived: prioritised value for work status in last month  
WPTAW main reason for being away from work last month

## Wave 8 Core:

WPACTW computed: prioritised single coded version of the work v  
WPTAW main reason for being away from work last month

## Wave 9 Core:

WPACTW Computed: prioritised single coded version of the work v  
WPTAW Main reason for being away from work last month

<b>Firm and Company Size</b>
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Wave	Variable	Label	Type
1	R1FSIZE_E	r1fsize_e:w1 r firm size	Categ
2	R2FSIZE_E	r2fsize_e:w2 r firm size	Categ
3	R3FSIZE_E	r3fsize_e:w3 r firm size	Categ
4	R4FSIZE_E	r4fsize_e:w4 r firm size	Categ
5	R5FSIZE_E	r5fsize_e:w5 r firm size	Categ
6	R6FSIZE_E	r6fsize_e:w6 r firm size	Categ
7	R7FSIZE_E	r7fsize_e:w7 r firm size	Categ
8	R8FSIZE_E	r8fsize_e:w8 r firm size	Categ
9	R9FSIZE_E	r9fsize_e:w9 r firm size	Categ
1	S1FSIZE_E	s1fsize_e:w1 s firm size	Categ
2	S2FSIZE_E	s2fsize_e:w2 s firm size	Categ
3	S3FSIZE_E	s3fsize_e:w3 s firm size	Categ
4	S4FSIZE_E	s4fsize_e:w4 s firm size	Categ
5	S5FSIZE_E	s5fsize_e:w5 s firm size	Categ
6	S6FSIZE_E	s6fsize_e:w6 s firm size	Categ
7	S7FSIZE_E	s7fsize_e:w7 s firm size	Categ
8	S8FSIZE_E	s8fsize_e:w8 s firm size	Categ
9	S9FSIZE_E	s9fsize_e:w9 s firm size	Categ
1	R1CSIZE_E	r1csize_e:w1 r company size	Categ
2	R2CSIZE_E	r2csize_e:w2 r company size	Categ
3	R3CSIZE_E	r3csize_e:w3 r company size	Categ
4	R4CSIZE_E	r4csize_e:w4 r company size	Categ
5	R5CSIZE_E	r5csize_e:w5 r company size	Categ
6	R6CSIZE_E	r6csize_e:w6 r company size	Categ
7	R7CSIZE_E	r7csize_e:w7 r company size	Categ
8	R8CSIZE_E	r8csize_e:w8 r company size	Categ
9	R9CSIZE_E	r9csize_e:w9 r company size	Categ
1	S1CSIZE_E	s1csize_e:w1 s company size	Categ
2	S2CSIZE_E	s2csize_e:w2 s company size	Categ
3	S3CSIZE_E	s3csize_e:w3 s company size	Categ
4	S4CSIZE_E	s4csize_e:w4 s company size	Categ
5	S5CSIZE_E	s5csize_e:w5 s company size	Categ
6	S6CSIZE_E	s6csize_e:w6 s company size	Categ
7	S7CSIZE_E	s7csize_e:w7 s company size	Categ
8	S8CSIZE_E	s8csize_e:w8 s company size	Categ
9	S9CSIZE_E	s9csize_e:w9 s company size	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1FSIZE_E	4801	2.49	0.96	1.00	4.00
R2FSIZE_E	3344	2.48	0.96	1.00	4.00
R3FSIZE_E	3179	2.46	0.98	1.00	4.00
R4FSIZE_E	2985	2.44	0.98	1.00	4.00
R5FSIZE_E	2803	2.44	0.98	1.00	4.00
R6FSIZE_E	2729	2.40	1.00	1.00	4.00
R7FSIZE_E	2295	2.40	1.02	1.00	4.00
R8FSIZE_E	1869	2.40	1.02	1.00	4.00
R9FSIZE_E	1870	2.37	1.04	1.00	4.00
S1FSIZE_E	3734	2.49	0.95	1.00	4.00
S2FSIZE_E	2569	2.47	0.96	1.00	4.00
S3FSIZE_E	2445	2.48	0.98	1.00	4.00

S4FSIZE_E	2292	2.44	0.98	1.00	4.00
S5FSIZE_E	2179	2.43	0.99	1.00	4.00
S6FSIZE_E	2120	2.38	1.00	1.00	4.00
S7FSIZE_E	1772	2.39	1.02	1.00	4.00
S8FSIZE_E	1423	2.41	1.03	1.00	4.00
S9FSIZE_E	1371	2.40	1.04	1.00	4.00
R1CSIZE_E	3621	4.58	1.71	1.00	6.00
R2CSIZE_E	2590	4.63	1.68	1.00	6.00
R3CSIZE_E	3140	4.64	1.68	1.00	6.00
R4CSIZE_E	3285	4.62	1.70	1.00	6.00
R5CSIZE_E	2587	4.64	1.70	1.00	6.00
R6CSIZE_E	2690	4.62	1.69	1.00	6.00
R7CSIZE_E	2322	4.65	1.70	1.00	6.00
R8CSIZE_E	1713	4.54	1.73	1.00	6.00
R9CSIZE_E	2087	4.60	1.68	1.00	6.00
S1CSIZE_E	2843	4.58	1.71	1.00	6.00
S2CSIZE_E	2001	4.66	1.68	1.00	6.00
S3CSIZE_E	2454	4.63	1.69	1.00	6.00
S4CSIZE_E	2500	4.62	1.69	1.00	6.00
S5CSIZE_E	2016	4.63	1.70	1.00	6.00
S6CSIZE_E	2072	4.60	1.70	1.00	6.00
S7CSIZE_E	1770	4.62	1.72	1.00	6.00
S8CSIZE_E	1289	4.54	1.73	1.00	6.00
S9CSIZE_E	1495	4.59	1.68	1.00	6.00

### Categorical Variable Codes

Value-----	R1FSIZE_E	R2FSIZE_E	R3FSIZE_E	R4FSIZE_E	R5FSIZE_E
.d:DK	29	20	17	19	13
.h:missing hse preload			859	1363	775
.m:Missing	57	38	27	25	36
.n:not working	7147	5998	5634	6499	6447
.p:proxy	45	30	48	158	200
.r:Refuse	20	2	2	1	
1.1-2	898	655	657	642	608
2.3-24	1367	921	858	797	755
3.25-499	1838	1286	1202	1128	1038
4.500+	698	482	462	418	402

Value-----	R6FSIZE_E	R7FSIZE_E	R8FSIZE_E	R9FSIZE_E
.d:DK	17	10	29	16
.h:missing hse preload	1022	917	596	1024
.m:Missing	29	24	25	17
.n:not working	6566	6195	5765	5588
.p:proxy	236	225	150	220
.r:Refuse	2		11	1
1.1-2	646	575	470	499
2.3-24	718	568	469	469
3.25-499	983	814	651	612
4.500+	382	338	279	290

Value-----	S1FSIZE_E	S2FSIZE_E	S3FSIZE_E	S4FSIZE_E	S5FSIZE_E
.d:DK	22	13	13	10	10
.h:missing hse preload			663	1020	595
.m:Missing	44	31	23	22	34
.n:not working	4219	3535	3192	3901	3949
.p:proxy	43	30	47	157	197
.r:Refuse	8		1		
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.1-2	678	508	497	504	486
2.3-24	1068	711	641	598	573
3.25-499	1456	991	944	873	808
4.500+	532	359	363	317	312

Value-----	S6FSIZE_E	S7FSIZE_E	S8FSIZE_E	S9FSIZE_E	
.d:DK	12	7	26	10	
.h:missing hse preload	762	672	423	703	
.m:Missing	26	21	24	16	
.n:not working	4089	3865	3635	3500	
.p:proxy	233	223	148	220	
.r:Refuse			9		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.1-2	523	454	355	359	
2.3-24	551	430	349	323	
3.25-499	763	624	496	466	
4.500+	283	264	223	223	
Value-----	R1CSIZE_E	R2CSIZE_E	R3CSIZE_E	R4CSIZE_E	R5CSIZE_E
.a:accepted work			9	13	9
.d:DK	101	20	51	58	40
.m:Missing	10	16	25	25	20
.n:not working	7844	6486	5768	6705	6696
.p:proxy	23	14	37	116	148
.r:Refuse	16		2		
.s:self-employed	484	306	734	848	774
1.2-4	223	150	178	187	150
2.5-19	371	255	310	345	261
3.20-99	500	335	394	430	330
4.100-499	403	276	376	374	302
5.500-999	230	209	216	194	134
6.1000+	1894	1365	1666	1755	1410
Value-----	R6CSIZE_E	R7CSIZE_E	R8CSIZE_E	R9CSIZE_E	
.a:accepted work	12	4	4	5	
.d:DK	48	32	50	40	
.m:Missing	11	10	4	18	
.n:not working	6841	6377	5953	5726	
.p:proxy	171	169	105	161	
.r:Refuse	4		6	2	
.s:self-employed	824	752	610	697	
1.2-4	158	151	117	129	
2.5-19	273	217	172	199	
3.20-99	338	278	246	254	
4.100-499	326	266	200	283	
5.500-999	168	137	98	150	
6.1000+	1427	1273	880	1072	
Value-----	S1CSIZE_E	S2CSIZE_E	S3CSIZE_E	S4CSIZE_E	S5CSIZE_E
.a:accepted work			7	9	8
.d:DK	66	12	34	45	27
.m:Missing	9	14	17	18	13
.n:not working	4757	3904	3293	4049	4139
.p:proxy	21	14	35	115	146
.r:Refuse	7		2		
.s:self-employed	367	233	542	666	615
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.2-4	176	113	145	140	117
2.5-19	292	203	246	265	208
3.20-99	394	248	297	321	259
4.100-499	318	208	295	284	233
5.500-999	184	153	166	150	109
6.1000+	1479	1076	1305	1340	1090
Value-----	S6CSIZE_E	S7CSIZE_E	S8CSIZE_E	S9CSIZE_E	
.a:accepted work	10	2	2	4	
.d:DK	37	21	39	24	
.m:Missing	8	8	4	16	
.n:not working	4278	3995	3775	3596	
.p:proxy	169	168	104	161	
.r:Refuse	2		5	1	
.s:self-employed	666	596	470	523	
.u:Unmar	2802	2548	2255	2286	

.v:SP NR	557	558	502	630
1.2-4	126	121	91	94
2.5-19	215	169	126	140
3.20-99	263	209	183	183
4.100-499	250	211	154	209
5.500-999	127	106	72	117
6.1000+	1091	954	663	752

## How Constructed

RwFSIZE\_E indicates the firm size of the respondent's current workplace. If the respondent is an employee, they were asked about how many people are employed at the place where they usually work. If the respondent is self-employed they were asked about how many employees they have. RwFSIZE\_E is coded as follows: 1.1-2, 2.3-24, 3.25-499, and 4.500+. Self-employed respondents are assigned a value of 1 if they report having no employees or 1-2 employees. If the respondent is an employee, reported having the same job as at the previous interview, and reported having the same employer as at the previous interview, then their value from the previous wave is carried forward. If the respondent is self-employed and reported having the same job as at the previous interview, then their value from the previous wave is carried forward. In Wave 1, these respondents who reported having the same job as at the previous interview, specifically their HSE interview, and meet the criteria described in the previous two sentences, have their firm size carried forward from the HSE interview. For self-employed respondents, the HSE values carried forward are assigned a 1 if they reported having no other employees, and are assigned a 2 if they reported having 1-24 employees, while codes of 3 and 4 remain consistent. In Waves 3, 4, 6, 7, and 9, new ELSA respondents who reported having the same job as at the HSE interview are not asked this question and so are assigned special missing .h because the firm size information from the HSE interview is not provided in the public dataset. These special missing .h values can be carried forward into future waves if the respondent does not change jobs. In all waves, special missing .n is assigned if the respondent did not report having paid work or being self-employed in the past month. Special missing .p is assigned if the interview was completed by proxy. RwFSIZE\_E is assigned special missing values .d, .r, or .m, if the response was don't know, refused, or missing, respectively. RwFSIZE\_E is assigned blank missing (.) if the respondent did not participate in the current wave.

SwFSIZE\_E indicates the firm size of the current wave's spouse's workplace, and its values are taken from RwFSIZE\_E. In addition to the special missing codes used in RwFSIZE\_E, if the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. Also, if the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

RwCSIZE\_E indicates the total company size of the respondent's employer. RwCSIZE\_E is coded as follows: 1.2-4, 2.5-19, 3.20-99, 4.100-499, 5.500-999, and 6.1000+. Special missing .n is assigned if the respondent did not report having paid work in the past month. Special missing .s is assigned if the respondent was self-employed. Special missing .a is assigned if they were waiting for work already accepted. Special missing .p is assigned if the interview was completed by proxy. RwCSIZE\_E is assigned special missing values .d, .r, or .m, if the response was don't know, refused, or missing, respectively. RwCSIZE\_E is assigned blank missing (.) if the respondent did not participate in the current wave.

SwCSIZE\_E indicates the firm size of the current wave's spouse's workplace, and its values are taken from RwCSIZE\_E. In addition to the special missing codes used in RwCSIZE\_E, if the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. Also, if the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

Respondents in Wave 1 who reported having the same job as at their previous HSE interview have their values carried forward from the HSE interview. For self-employed respondents in Wave 1 who reported having the same job, a value of 1 is assigned if they had no other employees (not none or 1-2 employees), and a value of 2 is assigned if they had 1-24 employees (not 3-24 employees).

In Waves 3, 4, 6, and 7, new ELSA respondents who reported having the same job as at the HSE interview are assigned special missing .h because the firm size information from the HSE interview is not provided in the datasets.

## Differences with the RAND HRS/Harmonized HRS

To establish firm size, in HRS, respondents are asked about how many employees work for this company or organization at the location where they work. Responses are recorded as a continuous variable. In ELSA, respondents are asked about how many people are employed at the place where you work. Their responses are recorded in the following categories: 1.1 or 2, 2.3 to 24, 3.25-499, and 4.500+. In ELSA, respondents who are self-employed are asked if they have any employees and their responses are recorded as follows: 1.None, 2.1 or 2, 3.3-24, 4.25-499, 5.500+.

To establish company size, in HRS, respondents are asked about how many employees work for this company or organization at all locations. Their responses are recorded as a continuous variable. In ELSA, respondents are asked about how many people, in total, work for their employer at all locations. Responses are recorded in the following categories: 1.2-4, 3.5-19, 4.20-99, 5.500-999, and 6.1000+.

Because ELSA collects this information in categories, these variables in the Harmonized ELSA end in "\_E" to indicate that they are not completely comparable with RwFSIZE in the RAND HRS and RwCSIZE in the Harmonized HRS.

## ELSA Variables Used

### Wave 1 Core:

AEMPLOYE	hse feed forward: are you ...{an employee or self-employed
ANEMPLLEE	hse feed forward: including yourself, about how many peo
ASKPX1	whether interviewed by proxy
ASNEMPLE	hse feed forward: [do/did] you have any employees?
WPACT1	did you do any of these activities during the last month
WPACT2	did you do any of these activities during the last month
WPACT3	did you do any of these activities during the last month
WPACT4	did you do any of these activities during the last month
WPACT5	did you do any of these activities during the last month
WPACT6	did you do any of these activities during the last month
WPACTW	derived: prioritised value for work status in last month
WPEMP	are you still working for the same employer?
WPEMPL	do you have any employees?
WPES	derived: 1=employee, 2=self-employed
WPEVER	have you ever done any paid work?
WPJOB	have you had a paid job since last interview?
WPJOB1	is the job you had in last interview your most recent jo
WPNOEMP	including yourself, about how many people are employed a
WPNOE	including yourself, about how many people, in total, wor
WPSTJ	is the job you had in last interview your main job?
WPSTJ	is the job you had in last interview your main job?

### Wave 2 Core:

ASKPX1	Whether interviewed by proxy
WPACT1	Activities during the last month (1st mention)
WPACT2	Activities during the last month (2nd mention)
WPACT3	Activities during the last month (3rd mention)
WPACT4	Activities during the last month (4th mention)
WPACT5	Activities during the last month (5th mention)
WPACT6	Activities during the last month (6th mention)
WPACTW	Derived: prioritised value for work status in last month
WPASKD	Computed : Ask WpJdo or not
WPEMP	Are you still working for the same employer?
WPEMPL	Do you have any employees?
WPES	Derived: employee or self-employed
WPNOEMP	Number of people employed at the place where you work (i
WPNOE	Number of people employed by your employer in the UK (in
WPSTJ	Is the job you had last time you were interviewed your m

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
WPACTW	derived: prioritised value for work status in last month
WPASKD	computed : ask wpjdo or not

WPEMP are you still working for the same employer?  
 WPEMPL do you have any employees?  
 WPES derived: employee or self-employed  
 WPNEMP number of people employed at the place where you work (i  
 WPNOE number of people employed by your employer in the uk (in  
 WPSTJ is the job you had last time you were interviewed [still  
 Wave 4 Core:  
 ASKPX whether respondent had an interview by proxy  
 WPACTW derived: prioritised value for work status in last month  
 WPASKD computed : ask wpjdo or not  
 WPEMP are you still working for the same employer?  
 WPEMPL do you have any employees?  
 WPES derived: employee or self-employed  
 WPNEMP number of people employed at the place where you work (i  
 WPNOE number of people employed by your employer in the uk (in  
 WPSTJ is the job you had last time you were interviewed [still  
 Wave 5 Core:  
 ASKPX Whether respondent had an interview by proxy  
 WPACTW Derived: prioritised value for work status in last month  
 WPASKD Computed : Ask WpJdo or not  
 WPEMP Are you still working for the same employer?  
 WPEMPL Do you have any employees?  
 WPES Derived: employee or self-employed  
 WPNEMP Number of people employed at the place where you work (i  
 WPNOE Number of people employed by your employer in the UK (in  
 WPSTJ Is the job you had last time you were interviewed [still  
 Wave 6 Core:  
 ASKPX whether respondent had an interview by proxy  
 WPACTW derived: prioritised value for work status in last month  
 WPASKD computed : ask wpjdo or not  
 WPEMP are you still working for the same employer?  
 WPEMPL do you have any employees?  
 WPES derived: employee or self-employed  
 WPNEMP number of people employed at the place where you work (i  
 WPNOE number of people employed by your employer in the uk (in  
 WPSTJ is the job you had last time you were interviewed [still  
 Wave 7 Core:  
 ASKPX whether respondent had an interview by proxy  
 WPACTW derived: prioritised value for work status in last month  
 WPASKD computed : ask wpjdo or not  
 WPEMP are you still working for the same employer?  
 WPEMPL do you have any employees?  
 WPES derived: employee or self-employed  
 WPNEMP number of people employed at the place where you work (i  
 WPNOE number of people employed by your employer in the uk (in  
 WPSTJ is the job you had last time you were interviewed [still  
 Wave 8 Core:  
 ASKPX computed: whether respondent had an interview by proxy  
 WPACTW computed: prioritised single coded version of the work v  
 WPEMP whether still working for the same employer  
 WPEMPL whether has any employees  
 WPES computed: employee or self-employed  
 WPNEMP number of people employed at the place where you work (i  
 WPNOE number of people employed by employer in the uk (includi  
 WPSTJ whether the job had at least interview is (still) main j  
 WPSTJ whether the job had at least interview is (still) main j  
 Wave 9 Core:  
 ASKPX Computed: whether respondent had an interview by proxy  
 WPACTW Computed: prioritised single coded version of the work v  
 WPEMP Whether still working for the same employer  
 WPEMPL Whether has any employees  
 WPES Computed: employee or self-employed  
 WPNEMP Number of people employed at the place where you work (i

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WPNOE	Number of people employed by employer in the UK (includi
WPSTJ	Whether the job had at least interview is (still) main j
WPSTJ	Whether the job had at least interview is (still) main j



### Whether Looking for a New Job

Wave	Variable	Label	Type
1	R1LOOKNWK	r1looknwk:w1 r looking for new job (if in labor force)	Categ
2	R2LOOKNWK	r2looknwk:w2 r looking for new job (if in labor force)	Categ
3	R3LOOKNWK	r3looknwk:w3 r looking for new job (if in labor force)	Categ
4	R4LOOKNWK	r4looknwk:w4 r looking for new job (if in labor force)	Categ
5	R5LOOKNWK	r5looknwk:w5 r looking for new job (if in labor force)	Categ
6	R6LOOKNWK	r6looknwk:w6 r looking for new job (if in labor force)	Categ
7	R7LOOKNWK	r7looknwk:w7 r looking for new job (if in labor force)	Categ
8	R8LOOKNWK	r8looknwk:w8 r looking for new job (if in labor force)	Categ
9	R9LOOKNWK	r9looknwk:w9 r looking for new job (if in labor force)	Categ
1	S1LOOKNWK	s1looknwk:w1 s looking for new job (if in labor force)	Categ
2	S2LOOKNWK	s2looknwk:w2 s looking for new job (if in labor force)	Categ
3	S3LOOKNWK	s3looknwk:w3 s looking for new job (if in labor force)	Categ
4	S4LOOKNWK	s4looknwk:w4 s looking for new job (if in labor force)	Categ
5	S5LOOKNWK	s5looknwk:w5 s looking for new job (if in labor force)	Categ
6	S6LOOKNWK	s6looknwk:w6 s looking for new job (if in labor force)	Categ
7	S7LOOKNWK	s7looknwk:w7 s looking for new job (if in labor force)	Categ
8	S8LOOKNWK	s8looknwk:w8 s looking for new job (if in labor force)	Categ
9	S9LOOKNWK	s9looknwk:w9 s looking for new job (if in labor force)	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LOOKNWK	4560	0.08	0.27	0.00	1.00
R2LOOKNWK	3274	0.06	0.23	0.00	1.00
R3LOOKNWK	3936	0.07	0.26	0.00	1.00
R4LOOKNWK	4045	0.06	0.24	0.00	1.00
R5LOOKNWK	3251	0.06	0.23	0.00	1.00
R6LOOKNWK	3504	0.06	0.25	0.00	1.00
R7LOOKNWK	3058	0.07	0.25	0.00	1.00
R8LOOKNWK	2334	0.05	0.22	0.00	1.00
R9LOOKNWK	2782	0.06	0.24	0.00	1.00
S1LOOKNWK	3532	0.07	0.26	0.00	1.00
S2LOOKNWK	2508	0.05	0.22	0.00	1.00
S3LOOKNWK	3035	0.07	0.26	0.00	1.00
S4LOOKNWK	3071	0.06	0.24	0.00	1.00
S5LOOKNWK	2516	0.05	0.22	0.00	1.00
S6LOOKNWK	2715	0.06	0.23	0.00	1.00
S7LOOKNWK	2338	0.06	0.24	0.00	1.00
S8LOOKNWK	1760	0.05	0.21	0.00	1.00
S9LOOKNWK	1997	0.06	0.23	0.00	1.00

### Categorical Variable Codes

Value-----	R1LOOKNWK	R2LOOKNWK	R3LOOKNWK	R4LOOKNWK	R5LOOKNWK
.a:accepted work	12	5	9	13	9
.d:DK	3		2	3	108
.m:Missing	9	3	2	149	6
.p:proxy	34	22	49	135	203
.r:Refuse					1
.w:not working	7481	6128	5768	6705	6696
0.no	4213	3092	3646	3799	3071
1.yes	347	182	290	246	180
Value-----	R6LOOKNWK	R7LOOKNWK	R8LOOKNWK	R9LOOKNWK	

.a:accepted work	12	4	4	5	
.d:DK	4	1	1	2	
.m:Missing	2			1	
.p:proxy	237	226	153	220	
.r:Refuse	1				
.w:not working	6841	6377	5953	5726	
0.no	3278	2854	2214	2617	
1.yes	226	204	120	165	
Value-----	S1LOOKNWK	S2LOOKNWK	S3LOOKNWK	S4LOOKNWK	S5LOOKNWK
.a:accepted work	6	4	7	9	8
.d:DK	2		1	2	96
.m:Missing	8	3	1	137	4
.p:proxy	32	22	47	134	200
.r:Refuse					1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.w:not working	4490	3641	3293	4049	4139
0.no	3275	2379	2820	2890	2386
1.yes	257	129	215	181	130
Value-----	S6LOOKNWK	S7LOOKNWK	S8LOOKNWK	S9LOOKNWK	
.a:accepted work	10	2	2	4	
.d:DK	3	1		2	
.m:Missing	2			1	
.p:proxy	234	224	151	220	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.w:not working	4278	3995	3775	3596	
0.no	2556	2196	1678	1886	
1.yes	159	142	82	111	

## How Constructed

RwLOOKNWK indicates if the respondent is currently looking for a new job. Respondents were asked this question if they had paid work or if they were temporarily away from paid work. RwLOOKNWK is coded as 1.yes and 0.no. Special missing .w is assigned if the respondent did not report having paid work or being self-employed in the past month. Special missing .a is assigned if the respondent was skipped because they are waiting for work they already accepted. Special missing .p is assigned if the interview was completed by proxy. RwLOOKNWK is assigned special missing values .d, .r, or .m, if the response was don't know, refused, or missing, respectively. RwLOOKNWK is assigned blank missing (.) if the respondent did not participate in the current wave.

SwLOOKNWK indicates if the current wave's spouse is currently looking for a new job, and its values are taken from RwLOOKNWK. In addition to the special missing codes used in RwLOOKNWK, if the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. Also, if the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

RwLOOKNWK in the Harmonized HRS is comparable to RwLOOKNWK in the Harmonized ELSA.

## ELSA Variables Used

Wave 1 Core:

ASKPX1	whether interviewed by proxy
WPACT1	did you do any of these activities during the last month
WPACT2	did you do any of these activities during the last month
WPACT3	did you do any of these activities during the last month
WPACT4	did you do any of these activities during the last month

WPACT5 did you do any of these activities during the last month  
WPACT6 did you do any of these activities during the last month  
WPACTW derived: prioritised value for work status in last month  
WPLNJ are you currently looking for a new job?

Wave 2 Core:  
ASKPX1 Whether interviewed by proxy  
WPACT1 Activities during the last month (1st mention)  
WPACT2 Activities during the last month (2nd mention)  
WPACT3 Activities during the last month (3rd mention)  
WPACT4 Activities during the last month (4th mention)  
WPACT5 Activities during the last month (5th mention)  
WPACT6 Activities during the last month (6th mention)  
WPACTW Derived: prioritised value for work status in last month  
WPLNJ Are you currently looking for a new job?

Wave 3 Core:  
ASKPX whether respondent had a proxy interview  
WPACTW derived: prioritised value for work status in last month  
WPLNJ are you currently looking for a new job?

Wave 4 Core:  
ASKPX whether respondent had an interview by proxy  
WPACTW derived: prioritised value for work status in last month  
WPLNJ are you currently looking for a new job?

Wave 5 Core:  
ASKPX Whether respondent had an interview by proxy  
WPACTW Derived: prioritised value for work status in last month  
WPLNJ Are you currently looking for a new job?

Wave 6 Core:  
ASKPX whether respondent had an interview by proxy  
WPACTW derived: prioritised value for work status in last month  
WPLNJ are you currently looking for a new job?

Wave 7 Core:  
ASKPX whether respondent had an interview by proxy  
WPACTW derived: prioritised value for work status in last month  
WPLNJ are you currently looking for a new job?

Wave 8 Core:  
ASKPX computed: whether respondent had an interview by proxy  
WPACTW computed: prioritised single coded version of the work v  
WPLNJ whether currently looking for a new job

Wave 9 Core:  
ASKPX Computed: whether respondent had an interview by proxy  
WPACTW Computed: prioritised single coded version of the work v  
WPLNJ Whether currently looking for a new job

<b>Main Reason Stopped Working</b>
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Wave	Variable	Label	Type
1	R1JRSLEFT	r1jrsleft:w1 r main reason for stopping working	Categ
2	R2JRSLEFT	r2jrsleft:w2 r main reason for stopping working	Categ
3	R3JRSLEFT	r3jrsleft:w3 r main reason for stopping working	Categ
4	R4JRSLEFT	r4jrsleft:w4 r main reason for stopping working	Categ
5	R5JRSLEFT	r5jrsleft:w5 r main reason for stopping working	Categ
6	R6JRSLEFT	r6jrsleft:w6 r main reason for stopping working	Categ
7	R7JRSLEFT	r7jrsleft:w7 r main reason for stopping working	Categ
8	R8JRSLEFT	r8jrsleft:w8 r main reason for stopping working	Categ
9	R9JRSLEFT	r9jrsleft:w9 r main reason for stopping working	Categ
1	S1JRSLEFT	s1jrsleft:w1 s main reason for stopping working	Categ
2	S2JRSLEFT	s2jrsleft:w2 s main reason for stopping working	Categ
3	S3JRSLEFT	s3jrsleft:w3 s main reason for stopping working	Categ
4	S4JRSLEFT	s4jrsleft:w4 s main reason for stopping working	Categ
5	S5JRSLEFT	s5jrsleft:w5 s main reason for stopping working	Categ
6	S6JRSLEFT	s6jrsleft:w6 s main reason for stopping working	Categ
7	S7JRSLEFT	s7jrsleft:w7 s main reason for stopping working	Categ
8	S8JRSLEFT	s8jrsleft:w8 s main reason for stopping working	Categ
9	S9JRSLEFT	s9jrsleft:w9 s main reason for stopping working	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JRSLEFT	5354	3.73	2.70	1.00	8.00
R2JRSLEFT	6186	3.77	2.68	1.00	8.00
R3JRSLEFT	4803	3.86	2.64	1.00	8.00
R4JRSLEFT	5579	4.01	2.64	1.00	8.00
R5JRSLEFT	5581	4.05	2.62	1.00	8.00
R6JRSLEFT	5700	4.11	2.66	1.00	8.00
R7JRSLEFT	6342	3.86	2.71	1.00	8.00
R8JRSLEFT	6049	3.99	2.74	1.00	8.00
R9JRSLEFT	5782	4.08	2.76	1.00	8.00
S1JRSLEFT	3142	3.76	2.70	1.00	8.00
S2JRSLEFT	2878	3.77	2.66	1.00	8.00
S3JRSLEFT	2708	3.88	2.65	1.00	8.00
S4JRSLEFT	3334	4.06	2.65	1.00	8.00
S5JRSLEFT	3392	4.10	2.63	1.00	8.00
S6JRSLEFT	3522	4.18	2.66	1.00	8.00
S7JRSLEFT	4040	3.92	2.73	1.00	8.00
S8JRSLEFT	3883	4.06	2.76	1.00	8.00
S9JRSLEFT	3691	4.13	2.77	1.00	8.00

### Categorical Variable Codes

Value-----	R1JRSLEFT	R2JRSLEFT	R3JRSLEFT	R4JRSLEFT	R5JRSLEFT
.m:Missing	9	1	39	47	29
.n:not in labor force	2445	1455	1205	1411	1429
.r:Refuse					1
.s:self-employed	696	502	594	687	587
.w:currently working	3595	2537	3125	3326	2647
1.retired	2096	2347	1692	1802	1721
3.laid off	678	769	522	628	649
4.health reason	614	811	888	1094	1140
5.family reason	777	882	620	719	722
8.other	1189	1377	1081	1336	1349

Value-----	R6JRSLEFT	R7JRSLEFT	R8JRSLEFT	R9JRSLEFT	
.m:Missing	38	15	15	24	
.n:not in labor force	1476	435	324	355	
.s:self-employed	619	559	418	507	
.w:currently working	2768	2315	1639	2068	
1.retired	1742	2355	2144	1989	
3.laid off	661	629	582	539	
4.health reason	1119	1069	987	932	
5.family reason	729	782	791	775	
8.other	1449	1507	1545	1547	
Value-----	S1JRSLEFT	S2JRSLEFT	S3JRSLEFT	S4JRSLEFT	S5JRSLEFT
.m:Missing	8	1	23	35	23
.n:not in labor force	1579	953	758	922	988
.s:self-employed	531	386	453	549	474
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.w:currently working	2810	1960	2442	2562	2087
1.retired	1200	1068	944	1045	1016
3.laid off	425	378	291	381	411
4.health reason	396	420	521	659	691
5.family reason	407	378	336	423	434
8.other	714	634	616	826	840
Value-----	S6JRSLEFT	S7JRSLEFT	S8JRSLEFT	S9JRSLEFT	
.m:Missing	28	9	11	14	
.n:not in labor force	1024	257	204	214	
.s:self-employed	493	450	320	382	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.w:currently working	2175	1804	1270	1519	
1.retired	1038	1472	1352	1245	
3.laid off	421	407	373	347	
4.health reason	695	657	607	574	
5.family reason	436	499	515	509	
8.other	932	1005	1036	1016	

## How Constructed

RwJRSLEFT indicates the respondent's main reason for stopping working. In Wave 1, it is comprised of the main reasons the respondent retired or took early retirement. Starting in Wave 2, it is comprised of the main reasons the respondent retired, took early retirement, or stopped working. The respondent is asked the reasons they retired, took early retirement, or stopped working, and if they mention multiple reasons, then they are asked for the main reason. RwJRSLEFT uses the main reasons reported and is coded as follows: 1.retired, 2.fired, 3.laid off, 4.health reason, 5.family reason, 6.new job, 7.quit, and 8.other. A value of 1 is assigned if the respondent reports being offered reasonable financial terms to retire early or take voluntary redundancy, or if they reached retirement age. A value of 3 is assigned if they stopped working because the company went out of business/site closed down, they were made redundant/dismissed/had no choice, or they took voluntary redundancy. A value of 4 is assigned if they stopped working because of their own ill health or disability. A value of 5 is assigned if they stopped working because of the ill health or disability of a relative/friend, to spend more time with partner/family, to stop working at the same time as their husband/wife/partner, to retire at the same time as their partner, or to retire at a different time than their partner. A value of 8 is assigned if they stopped working because working was too tiring/stressful, they could not find another job, they could afford to stop working, to enjoy life while still fit and young enough, they were fed up with working and wanted a change, to give the young generation a chance, they moved to a different area, for another reason, or for none of the noted reasons. Please note that the options provided in ELSA do not allow for the assignment of codes 2, 6, and 7. Since respondents are likely to only retire once, responses from past waves are carried forward, though any answers that might be given in the current wave take precedence. Special missing .n is assigned if these questions were not asked because the respondent was not in the labor force (unemployed, disabled, looking after home and family, etc.) and reported not working in the last 30 days. Special missing .w is assigned if the respondent is currently working or waiting for work already accepted. Special missing .s is assigned if the respondent is self-employed. RwJRSLEFT is assigned special missing values .d, .r, or .m, if the response was don't know, refused, or missing, respectively. RwJRSLEFT is assigned blank missing (.) if the respondent did not participate in the current wave.

SwJRSLEFT indicates the current wave's spouse's main reason for stopping working, and its values are taken from RwJRSLEFT. In addition to the special missing codes used in RwJRSLEFT, if the respondent is not designated as coupled in the current wave and assumed to be single, a special missing value of .u is used. Also, if the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

Respondents are asked their reasons for retiring or for taking early retirement in all waves. Respondent are asked their reasons for stopping working starting in Wave 2.

Starting in Wave 2, responses from previous waves are carried forward if no reasons are provided in the current wave.

## Differences with the RAND HRS/Harmonized HRS

In HRS, respondents list all reasons why they stopped working for their employer and RwJRSLEFT in the Harmonized HRS assigns the first listed reason. In ELSA, respondents list all reasons why they stopped working and respondents who gave more than one reason are then asked about their main reason for stopping working, retiring, or taking early retirement and RwJRSLEFT in the Harmonized ELSA is assigned the main or only reason for each of the three groups.

## ELSA Variables Used

### Wave 1 Core:

WPACT1	did you do any of these activities during the last month
WPACT2	did you do any of these activities during the last month
WPACT3	did you do any of these activities during the last month
WPACT4	did you do any of these activities during the last month
WPACT5	did you do any of these activities during the last month
WPACT6	did you do any of these activities during the last month
WPACTW	derived: prioritised value for work status in last month
WPDES	which one of these would you say best describes your cur
WPMREA	what was your main reason for taking early retirement?
WPMRRE	what was your main reason for retiring?
WPREA01	reasons for taking early retirement (1st mention)
WPREA02	reasons for taking early retirement (2nd mention)
WPREA03	reasons for taking early retirement (3rd mention)
WPREA04	reasons for taking early retirement (4th mention)
WPREA05	reasons for taking early retirement (5th mention)
WPREA06	reasons for taking early retirement (6th mention)
WPREA07	reasons for taking early retirement (7th mention)
WPRRE01	reasons for retirement (1st mention)
WPRRE02	reasons for retirement (2nd mention)
WPRRE03	reasons for retirement (3rd mention)
WPRRE04	reasons for retirement (4th mention)
WPRRE05	reasons for retirement (5th mention)
WPRRE06	reasons for retirement (6th mention)

### Wave 2 Core:

WPACT1	Activities during the last month (1st mention)
WPACT2	Activities during the last month (2nd mention)
WPACT3	Activities during the last month (3rd mention)
WPACT4	Activities during the last month (4th mention)
WPACT5	Activities during the last month (5th mention)
WPACT6	Activities during the last month (6th mention)
WPACTW	Derived: prioritised value for work status in last month
WPDES	Best description of current situation
WPMREA	Main reason for taking early retirement
WPMRRE	Main reason for retiring
WPREA01	Reasons for taking early retirement (1st mention)
WPREA02	Reasons for taking early retirement (2nd mention)

WPREA03 Reasons for taking early retirement (3rd mention)  
 WPREA04 Reasons for taking early retirement (4th mention)  
 WPREA05 Reasons for taking early retirement (5th mention)  
 WPREA06 Reasons for taking early retirement (6th mention)  
 WPREA07 Reasons for taking early retirement (7th mention)  
 WPRRE01 Reasons for retiring (1st mention)  
 WPRRE02 Reasons for retiring (2nd mention)  
 WPRRE03 Reasons for retiring (3rd mention)  
 WPRRE04 Reasons for retiring (4th mention)  
 WPRRE05 Reasons for retiring (5th mention)  
 WPYSTP1 Reasons for stopping work (1st mention)  
 WPYSTP2 Reasons for stopping work (2nd mention)  
 WPYSTP3 Reasons for stopping work (3rd mention)  
 WPYSTP4 Reasons for stopping work (4th mention)  
 WPYSTP5 Reasons for stopping work (5th mention)  
 WPYSTPM Main reason for stopping working

## Wave 3 Core:

WPACTW derived: prioritised value for work status in last month  
 WPDES best description of current situation  
 WPMREA main reason for taking early retirement  
 WPMRRE what was your main reason for retiring?  
 WPREA95 reasons for taking early retirement: other  
 WPREA96 reasons for taking early retirement: none of these  
 WPREACH reasons for taking early retirement: fed up with job and  
 WPREADT reasons for taking early retirement: to retire at diff t  
 WPREAEN reasons for taking early retirement: to enjoy life while  
 WPREAFa reasons for taking early retirement: to spend more time  
 WPREAFI reasons for taking early retirement: couldn't find anoth  
 WPREA0H reasons for taking early retirement: own ill health  
 WPREARE reasons for taking early retirement: made redundant/dism  
 WPREARH reasons for taking early retirement: ill health of relat  
 WPREAST reasons for taking early retirement: to retire at same t  
 WPREAVR reasons for taking early retirement: offered reasonable  
 WPREAYO reasons for taking early retirement: to give the young g  
 WPRR95 reasons for retiring: other  
 WPRR96 reasons for retiring: none of these  
 WPRRAG reasons for retiring: own ill health  
 WPRRCH reasons for retiring: fed up with job and wanted a chang  
 WPRRDT reasons for retiring: to retire at diff time to spouse/p  
 WPRREN reasons for retiring: to enjoy life while still young/fi  
 WPRRFA reasons for retiring: to spend more time with partner/fa  
 WPRRFI reasons for retiring: couldnt find another job  
 WPRROH reasons for retiring: ill health of relative/friend  
 WPRRRE reasons for retiring: couldnt find another job  
 WPRRRH reasons for retiring: made redundant/dismissed/had no ch  
 WPRRST reasons for retiring: to retire at same time as spouse/p  
 WPRRYO reasons for retiring: to give the young generation a cha  
 WPYSTPM what was your main reason for stopping work?

## Wave 4 Core:

WPACTW derived: prioritised value for work status in last month  
 WPDES best description of current situation  
 WPMREA main reason for taking early retirement  
 WPMRRE what was your main reason for retiring?  
 WPREA95 reasons for taking early retirement: other  
 WPREA96 reasons for taking early retirement: none of these  
 WPREACH reasons for taking early retirement: fed up with job and  
 WPREADT reasons for taking early retirement: to retire at diff t  
 WPREAEN reasons for taking early retirement: to enjoy life while  
 WPREAFa reasons for taking early retirement: to spend more time  
 WPREAFI reasons for taking early retirement: couldn't find anoth  
 WPREA0H reasons for taking early retirement: own ill health  
 WPREARE reasons for taking early retirement: made redundant/dism  
 WPREARH reasons for taking early retirement: ill health of relat

WPREAST	reasons for taking early retirement: to retire at same t
WPREAVR	reasons for taking early retirement: offered reasonable
WPREAYO	reasons for taking early retirement: to give the young g
WPRR95	reasons for retiring: other
WPRR96	reasons for retiring: none of these
WPRRAG	reasons for retiring: reached retirement age
WPRRCH	reasons for retiring: fed up with job and wanted a chang
WPRRDT	reasons for retiring: to retire at diff time to spouse/p
WPRREN	reasons for retiring: to enjoy life while still young/fi
WPRRFA	reasons for retiring: to spend more time with partner/fa
WPRRFI	reasons for retiring: couldnt find another job
WPRROH	reasons for retiring: own ill health
WPRRRE	reasons for retiring: made redundant/dismissed/had no ch
WPRRRH	reasons for retiring: ill health of relative/friend
WPRRST	reasons for retiring: to retire at same time as spouse/p
WPRRYO	reasons for retiring: to give the young generation a cha
WPYSTPM	what was your main reason for stopping work?

## Wave 5 Core:

WPACTW	Derived: prioritised value for work status in last month
WPDES	Best description of current situation
WPMREA	Main reason for taking early retirement
WPMRRE	What was your main reason for retiring?
WPREA95	Reasons for taking early retirement: other
WPREA96	Reasons for taking early retirement: none of these
WPREACH	Reasons for taking early retirement: fed up with job and
WPREADT	Reasons for taking early retirement: to retire at diff t
WPREAEN	Reasons for taking early retirement: to enjoy life while
WPREFFA	Reasons for taking early retirement: to spend more time
WPREFFI	Reasons for taking early retirement: couldn't find anoth
WPREFOH	Reasons for taking early retirement: own ill health
WPREFARE	Reasons for taking early retirement: made redundant/dism
WPREFARH	Reasons for taking early retirement: ill health of relat
WPREAST	Reasons for taking early retirement: to retire at same t
WPREAVR	Reasons for taking early retirement: offered reasonable
WPREAYO	Reasons for taking early retirement: to give the young g
WPRR95	Reasons for retiring: other
WPRR96	Reasons for retiring: none of these
WPRRAG	Reasons for retiring: reached retirement age
WPRRCH	Reasons for retiring: fed up with job and wanted a chang
WPRRDT	Reasons for retiring: to retire at diff time to spouse/p
WPRREN	Reasons for retiring: to enjoy life while still young/fi
WPRRFA	Reasons for retiring: to spend more time with partner/fa
WPRRFI	Reasons for retiring: couldnt find another job
WPRROH	Reasons for retiring: own ill health
WPRRRE	Reasons for retiring: made redundant/dismissed/had no ch
WPRRRH	Reasons for retiring: ill health of relative/friend
WPRRST	Reasons for retiring: to retire at same time as spouse/p
WPRRYO	Reasons for retiring: to give the young generation a cha
WPYSTPM	What was your main reason for stopping work?

## Wave 6 Core:

WPACTW	derived: prioritised value for work status in last month
WPDES	best description of current situation
WPMREA	main reason for taking early retirement
WPMRRE	what was your main reason for retiring?
WPREA95	reasons for taking early retirement: other
WPREA96	reasons for taking early retirement: none of these
WPREACH	reasons for taking early retirement: fed up with job and
WPREADT	reasons for taking early retirement: to retire at diff t
WPREAEN	reasons for taking early retirement: to enjoy life while
WPREFFA	reasons for taking early retirement: to spend more time
WPREFFI	reasons for taking early retirement: couldn't find anoth
WPREFOH	reasons for taking early retirement: own ill health
WPREFARE	reasons for taking early retirement: made redundant/dism



WPREARH	reasons for taking early retirement: ill health of relat
WPREAST	reasons for taking early retirement: to retire at same t
WPREAVR	reasons for taking early retirement: offered reasonable
WPREAYO	reasons for taking early retirement: to give the young g
WPRR95	reasons for retiring: other
WPRR96	reasons for retiring: none of these
WPRRAG	reasons for retiring: reached retirement age
WPRRCH	reasons for retiring: fed up with job and wanted a chang
WPRRDT	reasons for retiring: to retire at diff time to spouse/p
WPRREN	reasons for retiring: to enjoy life while still young/fi
WPRRFA	reasons for retiring: to spend more time with partner/fa
WPRRFI	reasons for retiring: couldnt find another job
WPRROH	reasons for retiring: own ill health
WPRRRE	reasons for retiring: made redundant/dismissed/had no ch
WPRRRH	reasons for retiring: ill health of relative/friend
WPRRST	reasons for retiring: to retire at same time as spouse/p
WPRRYO	reasons for retiring: to give the young generation a cha
WPYSTPM	what was your main reason for stopping work?
Wave 7 Core:	
WPACTW	derived: prioritised value for work status in last month
WPDES	best description of current situation
WPMREA	main reason for taking early retirement
WPMRRE	what was your main reason for retiring?
WPREA95	reasons for taking early retirement: other
WPREA96	reasons for taking early retirement: none of these
WPREACH	reasons for taking early retirement: fed up with job and
WPREADT	reasons for taking early retirement: to retire at diff t
WPREAEN	reasons for taking early retirement: to enjoy life while
WPREFFA	reasons for taking early retirement: to spend more time
WPREFFI	reasons for taking early retirement: couldn't find anoth
WPREAHOH	reasons for taking early retirement: own ill health
WPREARE	reasons for taking early retirement: made redundant/dism
WPREARH	reasons for taking early retirement: ill health of relat
WPREAST	reasons for taking early retirement: to retire at same t
WPREAVR	reasons for taking early retirement: offered reasonable
WPREAYO	reasons for taking early retirement: to give the young g
WPRR95	reasons for retiring: other
WPRR96	reasons for retiring: none of these
WPRRAG	reasons for retiring: reached retirement age
WPRRCH	reasons for retiring: fed up with job and wanted a chang
WPRRDT	reasons for retiring: to retire at diff time to spouse/p
WPRREN	reasons for retiring: to enjoy life while still young/fi
WPRRFA	reasons for retiring: to spend more time with partner/fa
WPRRFI	reasons for retiring: couldnt find another job
WPRROH	reasons for retiring: own ill health
WPRRRE	reasons for retiring: made redundant/dismissed/had no ch
WPRRRH	reasons for retiring: ill health of relative/friend
WPRRST	reasons for retiring: to retire at same time as spouse/p
WPRRYO	reasons for retiring: to give the young generation a cha
WPYSTPM	what was your main reason for stopping work?
Wave 8 Core:	
WPACTW	computed: prioritised single coded version of the work v
WPDES	best description of current situation
WPMREA	main reason for taking early retirement
WPMRRE	main reason for retiring
WPREA95	reasons for taking early retirement: other
WPREA96	reasons for taking early retirement: none of these
WPREACH	reasons for taking early retirement: fed up with job and
WPREADT	reasons for taking early retirement: to retire at diff t
WPREAEN	reasons for taking early retirement: to enjoy life while
WPREFFA	reasons for taking early retirement: to spend more time
WPREFFI	reasons for taking early retirement: couldn't find anoth
WPREAHOH	reasons for taking early retirement: own ill health

WPREARE	reasons for taking early retirement: made redundant/dism
WPREARH	reasons for taking early retirement: ill health of relat
WPREAST	reasons for taking early retirement: to retire at same t
WPREAVR	reasons for taking early retirement: offered reasonable
WPREAYO	reasons for taking early retirement: to give the young g
WPRR95	reasons for retiring: other
WPRR96	reasons for retiring: none of these
WPRRAG	reasons for retiring: reached retirement age
WPRRCH	reasons for retiring: fed up with job and wanted a chang
WPRRDT	reasons for retiring: to retire at diff time to spouse/p
WPRREN	reasons for retiring: to enjoy life while still young/fi
WPRRFA	reasons for retiring: to spend more time with partner/fa
WPRRFI	reasons for retiring: couldn't find another job
WPRROH	reasons for retiring: own ill health
WPRRRE	reasons for retiring: made redundant/dismissed/had no ch
WPRRRH	reasons for retiring: ill health of relative/friend
WPRRST	reasons for retiring: to retire at same time as spouse/p
WPRRYO	reasons for retiring: to give the young generation a cha
WPYSTPM	main reason for stopping work
Wave 9 Core:	
WPACTW	Computed: prioritised single coded version of the work v
WPDES	Best description of current situation
WPMREA	Main reason for taking early retirement
WPMRRE	Main reason for retiring
WPREA95	Reasons for taking early retirement: other
WPREA96	Reasons for taking early retirement: none of these
WPREACH	Reasons for taking early retirement: fed up with job and
WPREADT	Reasons for taking early retirement: to retire at diff t
WPREAEN	Reasons for taking early retirement: to enjoy life while
WPREAFA	Reasons for taking early retirement: to spend more time
WPREAFI	Reasons for taking early retirement: couldn't find anoth
WPREAOH	Reasons for taking early retirement: own ill health
WPREARE	Reasons for taking early retirement: made redundant/dism
WPREARH	Reasons for taking early retirement: ill health of relat
WPREAST	Reasons for taking early retirement: to retire at same t
WPREAVR	Reasons for taking early retirement: offered reasonable
WPREAYO	Reasons for taking early retirement: to give the young g
WPRR95	Reasons for retiring: other
WPRR96	Reasons for retiring: none of these
WPRRAG	Reasons for retiring: reached retirement age
WPRRCH	Reasons for retiring: fed up with job and wanted a chang
WPRRDT	Reasons for retiring: to retire at diff time to spouse/p
WPRREN	Reasons for retiring: to enjoy life while still young/fi
WPRRFA	Reasons for retiring: to spend more time with partner/fa
WPRRFI	Reasons for retiring: couldn't find another job
WPRROH	Reasons for retiring: own ill health
WPRRRE	Reasons for retiring: made redundant/dismissed/had no ch
WPRRRH	Reasons for retiring: ill health of relative/friend
WPRRST	Reasons for retiring: to retire at same time as spouse/p
WPRRYO	Reasons for retiring: to give the young generation a cha
WPYSTPM	Main reason for stopping work

<b>Main Reason Want to Leave Current Job</b>
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Wave	Variable	Label	Type
2	R2JRSWLEAV	r2jrswleav:w2 r main reason want to leave current job	Categ
3	R3JRSWLEAV	r3jrswleav:w3 r main reason want to leave current job	Categ
4	R4JRSWLEAV	r4jrswleav:w4 r main reason want to leave current job	Categ
5	R5JRSWLEAV	r5jrswleav:w5 r main reason want to leave current job	Categ
6	R6JRSWLEAV	r6jrswleav:w6 r main reason want to leave current job	Categ
7	R7JRSWLEAV	r7jrswleav:w7 r main reason want to leave current job	Categ
8	R8JRSWLEAV	r8jrswleav:w8 r main reason want to leave current job	Categ
9	R9JRSWLEAV	r9jrswleav:w9 r main reason want to leave current job	Categ
2	S2JRSWLEAV	s2jrswleav:w2 s main reason want to leave current job	Categ
3	S3JRSWLEAV	s3jrswleav:w3 s main reason want to leave current job	Categ
4	S4JRSWLEAV	s4jrswleav:w4 s main reason want to leave current job	Categ
5	S5JRSWLEAV	s5jrswleav:w5 s main reason want to leave current job	Categ
6	S6JRSWLEAV	s6jrswleav:w6 s main reason want to leave current job	Categ
7	S7JRSWLEAV	s7jrswleav:w7 s main reason want to leave current job	Categ
8	S8JRSWLEAV	s8jrswleav:w8 s main reason want to leave current job	Categ
9	S9JRSWLEAV	s9jrswleav:w9 s main reason want to leave current job	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2JRSWLEAV	182	3.02	1.53	1.00	5.00
R3JRSWLEAV	288	2.95	1.50	1.00	5.00
R4JRSWLEAV	246	3.13	1.50	1.00	5.00
R5JRSWLEAV	180	2.93	1.45	1.00	5.00
R6JRSWLEAV	225	3.01	1.44	1.00	5.00
R7JRSWLEAV	204	2.95	1.46	1.00	5.00
R8JRSWLEAV	120	2.85	1.51	1.00	5.00
R9JRSWLEAV	165	2.97	1.51	1.00	5.00
S2JRSWLEAV	129	2.89	1.49	1.00	5.00
S3JRSWLEAV	213	2.95	1.47	1.00	5.00
S4JRSWLEAV	181	3.19	1.51	1.00	5.00
S5JRSWLEAV	130	2.91	1.49	1.00	5.00
S6JRSWLEAV	158	3.06	1.43	1.00	5.00
S7JRSWLEAV	142	2.97	1.48	1.00	5.00
S8JRSWLEAV	82	2.84	1.54	1.00	5.00
S9JRSWLEAV	111	3.09	1.49	1.00	5.00

### Categorical Variable Codes

Value-----	R2JRSWLEAV	R3JRSWLEAV	R4JRSWLEAV	R5JRSWLEAV
.d:DK		3	3	108
.l:not looking for new job	3097	3655	3812	3080
.m:Missing	3	3	149	6
.p:proxy	22	49	135	203
.r:Refuse				1
.w:not working	6128	5768	6705	6696
1.job characteristics	45	74	57	46
2.too tiring/stressful	26	38	23	23
3.progress career	42	71	66	44
4.losing job	19	37	31	32
5.personal, other	50	68	69	35

Value-----	R6JRSWLEAV	R7JRSWLEAV	R8JRSWLEAV	R9JRSWLEAV
.d:DK	5	1	1	2
.l:not looking for new job	3290	2858	2218	2622

.m:Missing	2			1
.p:proxy	237	226	153	220
.r:Refuse	1			
.w:not working	6841	6377	5953	5726
1.job characteristics	52	50	33	41
2.too tiring/stressful	23	28	20	22
3.progress career	71	54	26	48
4.losing job	28	27	14	9
5.personal, other	51	45	27	45
Value-----	S2JRSWLEAV	S3JRSWLEAV	S4JRSWLEAV	S5JRSWLEAV
.d:DK		2	2	96
.l:not looking for new job	2383	2827	2899	2394
.m:Missing	3	2	137	4
.p:proxy	22	47	134	200
.r:Refuse				1
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
.w:not working	3641	3293	4049	4139
1.job characteristics	34	53	41	36
2.too tiring/stressful	18	29	14	15
3.progress career	34	53	49	31
4.losing job	14	31	23	21
5.personal, other	29	47	54	27
Value-----	S6JRSWLEAV	S7JRSWLEAV	S8JRSWLEAV	S9JRSWLEAV
.d:DK	4	1		2
.l:not looking for new job	2566	2198	1680	1890
.m:Missing	2			1
.p:proxy	234	224	151	220
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.w:not working	4278	3995	3775	3596
1.job characteristics	34	35	24	23
2.too tiring/stressful	15	20	13	16
3.progress career	54	32	16	32
4.losing job	17	24	10	8
5.personal, other	38	31	19	32

## How Constructed

RwJRSWLEAV indicates the respondent's main reason for wanting to leave their current job and is available starting in Wave 2. Respondents who are working or temporarily away from work are asked if they are currently looking for a new job, and if so, they are asked the reasons for trying to leave their current job. If multiple reasons are provided, then the respondent is asked their main reason for trying to leave their current job. RwJRSWLEAV provides the main reason or only reason the respondent wants to leave their current job and is coded as follows: 1.job characteristics, 2.too tiring/stressful, 3.progress career, 4.losing job, 5.personal, other. A value of 1 is assigned if the respondent wants to leave their current job because they are fed up with their job and want a change, or if they are fed up with their employer/colleagues and want a change. A value of 2 is assigned if the respondent wants to leave their current job because their job is too tiring/stressful. A value of 3 is assigned if the respondent wants to leave their current job because they want to progress their career, or to earn more money. A value of 4 is assigned if the respondent wants to leave their current job because the company is going out of business/site closing down, they are being made redundant/dismissed/have no choice, or are taking voluntary redundancy. A value of 5 is assigned if the respondent wants to leave their current job because of their own ill health or disability, the ill health or disability of a relative/friend, to spend more time with partner/family, they are moving to a different area, or for another reason. Special missing .w is assigned if the respondent does not report having paid work or being self-employed in the past month. Special missing .l is assigned if the respondent is currently waiting for work already accepted or if the respondent is not currently seeking a new job. Special missing .p is assigned if the interview was completed by proxy. RwJRSWLEAV is assigned special missing values .d, .r, or .m, if the response was don't know, refused, or missing, respectively. RwJRSWLEAV is assigned blank missing (.) if the respondent did not participate in the current wave.

SwJRSWLEAV indicates the current wave's spouse's main reason for wanting to leave their current job, and its values are taken from RwJRSWLEAV. In addition to the special missing codes used in RwJRSWLEAV, if the respondent is not designated as coupled in the current wave and assumed to be single, a special missing

value of .u is used. Also, if the respondent is not designated as coupled in the current wave but reports being married, a special missing value of .v is used.

## Cross Wave Differences in ELSA

These questions are asked starting in Wave 2.

## Differences with the RAND HRS/Harmonized HRS

In HRS, after the respondent indicates looking for another job, they are asked whether they are looking for one that would be the same or different, and if different, how the new job would be different. RwjrsWLEAV in the Harmonized HRS uses the first reason given. In ELSA, after the respondent indicates looking for another job, respondents are asked to provide reasons for trying to leave their current job. If the respondent indicates more than one reason, they are asked to provide the main reason for trying to leave their current job. RwjrsWLEAV in the Harmonized ELSA uses the main or only reason given.

## ELSA Variables Used

### Wave 2 Core:

ASKPX1	Whether interviewed by proxy
WPACT1	Activities during the last month (1st mention)
WPACT2	Activities during the last month (2nd mention)
WPACT3	Activities during the last month (3rd mention)
WPACT4	Activities during the last month (4th mention)
WPACT5	Activities during the last month (5th mention)
WPACT6	Activities during the last month (6th mention)
WPACTW	Derived: prioritised value for work status in last month
WPLNJ	Are you currently looking for a new job?
WPMYNJ	Main reason for trying to leave current job
WPWHYN1	Reasons for trying to leave current job (1st mention)
WPWHYN2	Reasons for trying to leave current job (2nd mention)
WPWHYN3	Reasons for trying to leave current job (3rd mention)
WPWHYN4	Reasons for trying to leave current job (4th mention)
WPWHYN5	Reasons for trying to leave current job (5th mention)
WPWHYN6	Reasons for trying to leave current job (6th mention)

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
WPACTW	derived: prioritised value for work status in last month
WPLNJ	are you currently looking for a new job?
WPMYNJ	main reason for trying to leave current job
WPWYN85	reasons for trying to leave current job: other reason
WPWYNCA	reasons for trying to leave current job: to progress my
WPWYNCH	reasons for trying to leave current job: fed up with job
WPWYNEA	reasons for trying to leave current job: to earn more mo
WPWYNEM	reasons for trying to leave current job: fed up with emp
WPWYNFA	reasons for trying to leave current job: to spend more t
WPWYNMO	reasons for trying to leave current job: moving to a dif
WPWYNOH	reasons for trying to leave current job: own ill health
WPWYNOU	reasons for trying to leave current job: company going o
WPWYNRE	reasons for trying to leave current job: being made redu
WPWYNRH	reasons for trying to leave current job: ill health of f
WPWYNTI	reasons for trying to leave current job: job too tiring/
WPWYNVR	reasons for trying to leave current job: taking voluntar

### Wave 4 Core:

ASKPX	whether respondent had an interview by proxy
WPACTW	derived: prioritised value for work status in last month
WPLNJ	are you currently looking for a new job?
WPMYNJ	main reason for trying to leave current job
WPWYN95	reasons for trying to leave current job: other reason
WPWYNCA	reasons for trying to leave current job: to progress my
WPWYNCH	reasons for trying to leave current job: fed up with job
WPWYNEA	reasons for trying to leave current job: to earn more mo

WPWYNEM	reasons for trying to leave current job: fed up with emp
WPWYNFA	reasons for trying to leave current job: to spend more t
WPWYNMO	reasons for trying to leave current job: moving to a dif
WPWYNOH	reasons for trying to leave current job: own ill health
WPWYNOU	reasons for trying to leave current job: company going o
WPWYNRE	reasons for trying to leave current job: being made redu
WPWYNRH	reasons for trying to leave current job: ill health of f
WPWYNTI	reasons for trying to leave current job: job too tiring/
WPWYNVR	reasons for trying to leave current job: taking voluntar

## Wave 5 Core:

ASKPX	Whether respondent had an interview by proxy
WPACTW	Derived: prioritised value for work status in last month
WPLNJ	Are you currently looking for a new job?
WPMYNJ	Main reason for trying to leave current job
WPWYN95	Reasons for trying to leave current job: other reason
WPWYNCA	Reasons for trying to leave current job: to progress my
WPWYNCH	Reasons for trying to leave current job: fed up with job
WPWYNEA	Reasons for trying to leave current job: to earn more mo
WPWYNEM	Reasons for trying to leave current job: fed up with emp
WPWYNFA	Reasons for trying to leave current job: to spend more t
WPWYNMO	Reasons for trying to leave current job: moving to a dif
WPWYNOH	Reasons for trying to leave current job: own ill health
WPWYNOU	Reasons for trying to leave current job: company going o
WPWYNRE	Reasons for trying to leave current job: being made redu
WPWYNRH	Reasons for trying to leave current job: ill health of f
WPWYNTI	Reasons for trying to leave current job: job too tiring/
WPWYNVR	Reasons for trying to leave current job: taking voluntar

## Wave 6 Core:

ASKPX	whether respondent had an interview by proxy
WPACTW	derived: prioritised value for work status in last month
WPLNJ	are you currently looking for a new job?
WPMYNJ	main reason for trying to leave current job
WPWYN95	reasons for trying to leave current job: other reason
WPWYNCA	reasons for trying to leave current job: to progress my
WPWYNCH	reasons for trying to leave current job: fed up with job
WPWYNEA	reasons for trying to leave current job: to earn more mo
WPWYNEM	reasons for trying to leave current job: fed up with emp
WPWYNFA	reasons for trying to leave current job: to spend more t
WPWYNMO	reasons for trying to leave current job: moving to a dif
WPWYNOH	reasons for trying to leave current job: own ill health
WPWYNOU	reasons for trying to leave current job: company going o
WPWYNRE	reasons for trying to leave current job: being made redu
WPWYNRH	reasons for trying to leave current job: ill health of f
WPWYNTI	reasons for trying to leave current job: job too tiring/
WPWYNVR	reasons for trying to leave current job: taking voluntar

## Wave 7 Core:

ASKPX	whether respondent had an interview by proxy
WPACTW	derived: prioritised value for work status in last month
WPLNJ	are you currently looking for a new job?
WPMYNJ	main reason for trying to leave current job
WPWYN85	reasons for trying to leave current job: other reason
WPWYNCA	reasons for trying to leave current job: to progress my
WPWYNCH	reasons for trying to leave current job: fed up with job
WPWYNEA	reasons for trying to leave current job: to earn more mo
WPWYNEM	reasons for trying to leave current job: fed up with emp
WPWYNFA	reasons for trying to leave current job: to spend more t
WPWYNMO	reasons for trying to leave current job: moving to a dif
WPWYNOH	reasons for trying to leave current job: own ill health
WPWYNOU	reasons for trying to leave current job: company going o
WPWYNRE	reasons for trying to leave current job: being made redu
WPWYNRH	reasons for trying to leave current job: ill health of f
WPWYNTI	reasons for trying to leave current job: job too tiring/
WPWYNVR	reasons for trying to leave current job: taking voluntar

## Wave 8 Core:

ASKPX	computed: whether respondent had an interview by proxy
WPACTW	computed: prioritised single coded version of the work v
WPLNJ	whether currently looking for a new job
WPMYNJ	main reason for trying to leave current job
WPWYN85	reasons for trying to leave current job: other reason
WPWYNCA	reasons for trying to leave current job: to progress my
WPWYNCH	reasons for trying to leave current job: fed up with job
WPWYNEA	reasons for trying to leave current job: to earn more mo
WPWYNEM	reasons for trying to leave current job: fed up with emp
WPWYNFA	reasons for trying to leave current job: to spend more t
WPWYNMO	reasons for trying to leave current job: moving to a dif
WPWYNOH	reasons for trying to leave current job: own ill health
WPWYNOU	reasons for trying to leave current job: company going o
WPWYNRE	reasons for trying to leave current job: being made redu
WPWYNRH	reasons for trying to leave current job: ill health of f
WPWYNRI	reasons for trying to leave current job: job too tiring/
WPWYNVR	reasons for trying to leave current job: taking voluntar

## Wave 9 Core:

ASKPX	Computed: whether respondent had an interview by proxy
WPACTW	Computed: prioritised single coded version of the work v
WPLNJ	Whether currently looking for a new job
WPMYNJ	Main reason for trying to leave current job
WPWYN85	Reasons for trying to leave current job: other reason
WPWYNCA	Reasons for trying to leave current job: to progress my
WPWYNCH	Reasons for trying to leave current job: fed up with job
WPWYNEA	Reasons for trying to leave current job: to earn more mo
WPWYNEM	Reasons for trying to leave current job: fed up with emp
WPWYNFA	Reasons for trying to leave current job: to spend more t
WPWYNMO	Reasons for trying to leave current job: moving to a dif
WPWYNOH	Reasons for trying to leave current job: own ill health
WPWYNOU	Reasons for trying to leave current job: company going o
WPWYNRE	Reasons for trying to leave current job: being made redu
WPWYNRH	Reasons for trying to leave current job: ill health of f
WPWYNRI	Reasons for trying to leave current job: job too tiring/
WPWYNVR	Reasons for trying to leave current job: taking voluntar

## **Section I: Retirement & Expectations**



### Whether Retired: Considers Self-Retired

Wave	Variable	Label	Type
1	R1RETEMP	r1retemp:w1 whether R retired	Categ
2	R2RETEMP	r2retemp:w2 whether R retired	Categ
3	R3RETEMP	r3retemp:w3 whether R retired	Categ
4	R4RETEMP	r4retemp:w4 whether R retired	Categ
5	R5RETEMP	r5retemp:w5 whether R retired	Categ
6	R6RETEMP	r6retemp:w6 whether R retired	Categ
7	R7RETEMP	r7retemp:w7 whether R retired	Categ
8	R8RETEMP	r8retemp:w8 whether R retired	Categ
9	R9RETEMP	r9retemp:w9 whether R retired	Categ
1	S1RETEMP	s1retemp:w1 whether S retired	Categ
2	S2RETEMP	s2retemp:w2 whether S retired	Categ
3	S3RETEMP	s3retemp:w3 whether S retired	Categ
4	S4RETEMP	s4retemp:w4 whether S retired	Categ
5	S5RETEMP	s5retemp:w5 whether S retired	Categ
6	S6RETEMP	s6retemp:w6 whether S retired	Categ
7	S7RETEMP	s7retemp:w7 whether S retired	Categ
8	S8RETEMP	s8retemp:w8 whether S retired	Categ
9	S9RETEMP	s9retemp:w9 whether S retired	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETEMP	12089	0.48	0.50	0.00	1.00
R2RETEMP	9430	0.51	0.50	0.00	1.00
R3RETEMP	9762	0.47	0.50	0.00	1.00
R4RETEMP	11038	0.51	0.50	0.00	1.00
R5RETEMP	10266	0.56	0.50	0.00	1.00
R6RETEMP	10599	0.56	0.50	0.00	1.00
R7RETEMP	9666	0.59	0.49	0.00	1.00
R8RETEMP	8443	0.65	0.48	0.00	1.00
R9RETEMP	8734	0.60	0.49	0.00	1.00
S1RETEMP	8061	0.42	0.49	0.00	1.00
S2RETEMP	6177	0.45	0.50	0.00	1.00
S3RETEMP	6383	0.41	0.49	0.00	1.00
S4RETEMP	7394	0.46	0.50	0.00	1.00
S5RETEMP	6958	0.51	0.50	0.00	1.00
S6RETEMP	7240	0.51	0.50	0.00	1.00
S7RETEMP	6560	0.55	0.50	0.00	1.00
S8RETEMP	5686	0.61	0.49	0.00	1.00
S9RETEMP	5818	0.57	0.50	0.00	1.00

### Categorical Variable Codes

Value-----	R1RETEMP	R2RETEMP	R3RETEMP	R4RETEMP	R5RETEMP
.d:DK	6	1	2	4	4
.r:Refuse	4	1	2	8	4
0.no	6296	4606	5145	5434	4533
1.yes	5793	4824	4617	5604	5733
Value-----	R6RETEMP	R7RETEMP	R8RETEMP	R9RETEMP	
.d:DK			1	1	
.r:Refuse	2		1	1	
0.no	4656	4008	2987	3516	
1.yes	5943	5658	5456	5218	

Value-----	S1RETEMP	S2RETEMP	S3RETEMP	S4RETEMP	S5RETEMP
.d:DK	5		1	2	3
.r:Refuse	4	1		6	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4677	3395	3782	4027	3416
1.yes	3384	2782	2601	3367	3542

Value-----	S6RETEMP	S7RETEMP	S8RETEMP	S9RETEMP
.d:DK			1	1
.r:Refuse	2		1	1
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	3512	2966	2207	2515
1.yes	3728	3594	3479	3303

## How Constructed

RwRETEMP identifies whether the respondent is retired. RwRETEMP is captured by the question "Which one of these, would you say best describes your current situation?" The user could choose between the following list: retired, employed, self-employed, unemployed, permanently sick or disabled, looking after home or family, or other. The respondent was also allowed to report they were semi-retired. A value of 0 indicates the respondent is not retired or semi-retired. A value of 1 indicates the respondent is retired or semi-retired. Don't know, refused, or other missing responses of RwRETEMP are assigned special missing codes .d, .r, .m, respectively. RwRETEMP is set to plain missing (.) for respondents who did not respond to the current wave.

SwRETEMP identifies whether the current wave's spouse is retired or semi-retired, and its values are taken from RwRETEMP. In addition to the special missing codes used in RwRETEMP, SwRETEMP employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Unlike the ELSA, HRS asks the respondent directly whether he/she is retired.

## ELSA Variables Used

Wave 1 Core:	
WPDES	which one of these would you say best describes your cur
Wave 2 Core:	
WPDES	Best description of current situation
Wave 3 Core:	
WPDES	best description of current situation
Wave 4 Core:	
WPDES	best description of current situation
Wave 5 Core:	
WPDES	Best description of current situation
Wave 6 Core:	
WPDES	best description of current situation
Wave 7 Core:	
WPDES	best description of current situation
Wave 8 Core:	
WPDES	best description of current situation
Wave 9 Core:	
WPDES	Best description of current situation

<b>Whether Retired: Retirement Age</b>
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Wave	Variable	Label	Type
1	R1RETAGE	r1retage:w1 R retirement age	Cont
2	R2RETAGE	r2retage:w2 R retirement age	Cont
3	R3RETAGE	r3retage:w3 R retirement age	Cont
4	R4RETAGE	r4retage:w4 R retirement age	Cont
5	R5RETAGE	r5retage:w5 R retirement age	Cont
6	R6RETAGE	r6retage:w6 R retirement age	Cont
7	R7RETAGE	r7retage:w7 R retirement age	Cont
8	R8RETAGE	r8retage:w8 R retirement age	Cont
9	R9RETAGE	r9retage:w9 R retirement age	Cont
1	S1RETAGE	s1retage:w1 S retirement age	Cont
2	S2RETAGE	s2retage:w2 S retirement age	Cont
3	S3RETAGE	s3retage:w3 S retirement age	Cont
4	S4RETAGE	s4retage:w4 S retirement age	Cont
5	S5RETAGE	s5retage:w5 S retirement age	Cont
6	S6RETAGE	s6retage:w6 S retirement age	Cont
7	S7RETAGE	s7retage:w7 S retirement age	Cont
8	S8RETAGE	s8retage:w8 S retirement age	Cont
9	S9RETAGE	s9retage:w9 S retirement age	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETAGE	5713	59.31	7.46	16.00	107.00
R2RETAGE	5341	58.88	7.63	19.00	107.00
R3RETAGE	5122	58.68	7.77	17.00	107.00
R4RETAGE	6034	58.57	7.55	17.00	107.00
R5RETAGE	6252	58.74	7.34	18.00	107.00
R6RETAGE	6417	59.01	7.17	16.00	81.00
R7RETAGE	6125	59.17	7.11	16.00	85.00
R8RETAGE	5863	59.47	7.08	16.00	85.00
R9RETAGE	5575	59.71	6.83	16.00	82.00
S1RETAGE	3349	59.29	7.07	16.00	107.00
S2RETAGE	3130	59.00	7.01	19.00	107.00
S3RETAGE	2922	58.73	7.25	19.00	107.00
S4RETAGE	3628	58.63	7.09	19.00	107.00
S5RETAGE	3888	58.77	7.10	18.00	107.00
S6RETAGE	4059	59.14	6.78	18.00	80.00
S7RETAGE	3893	59.38	6.63	18.00	82.00
S8RETAGE	3758	59.69	6.64	18.00	85.00
S9RETAGE	3545	59.99	6.37	18.00	82.00

### How Constructed

RwRETAGE is the respondent's retirement age. After the respondent reported he/she was retired, the respondent was then asked the age at which he/she retired. If the respondent reported he/she retired at age 0 or 1, then the respondent is assigned special missing value .n. Don't know, refused, or other missing responses of RwRETAGE are assigned special missing codes .d, .r, .m, respectively. RwRETAGE is set to special missing .z if the respondent is not retired. RwRETAGE is set to plain missing (.) for respondents who did not respond to the current wave.

SwRETAGE is the current wave's spouse's retirement age, and its values are taken from RwRETAGE. In addition to the special missing codes used in RwRETAGE, SwRETAGE employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current

wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in ELSA

No differences known.

### Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA does not ask respondent's retirement month and year, but rather the age at which the respondent retired.

### ELSA Variables Used

Wave 1 Core:	
WPRAGE	you said earlier that you were (semi)retired, at what ag
Wave 2 Core:	
WPRAGE	You said earlier that you were (semi)retired, at what ag
Wave 3 Core:	
WPRAGE	you said earlier that you were (semi-)retired, at what a
Wave 4 Core:	
WPRAGE	you said earlier that you were (semi-)retired, at what a
Wave 5 Core:	
WPRAGE	You said earlier that you were (semi-)retired, at what a
Wave 6 Core:	
WPRAGE	you said earlier that you were (semi-)retired, at what a
Wave 7 Core:	
WPRAGE	you said earlier that you were (semi-)retired, at what a
Wave 8 Core:	
WPRAGE	age when retired (if has said is [semi]retired)
Wave 9 Core:	
WPRAGE	Age when retired (if has said is [semi]retired)

### Whether Retired: Main Reason for Retiring

Wave	Variable	Label	Type
1	R1RETRS	r1retrs:w1 r main reason for retiring	Categ
2	R2RETRS	r2retrs:w2 r main reason for retiring	Categ
3	R3RETRS	r3retrs:w3 r main reason for retiring	Categ
4	R4RETRS	r4retrs:w4 r main reason for retiring	Categ
5	R5RETRS	r5retrs:w5 r main reason for retiring	Categ
6	R6RETRS	r6retrs:w6 r main reason for retiring	Categ
7	R7RETRS	r7retrs:w7 r main reason for retiring	Categ
8	R8RETRS	r8retrs:w8 r main reason for retiring	Categ
9	R9RETRS	r9retrs:w9 r main reason for retiring	Categ
1	S1RETRS	s1retrs:w1 s main reason for retiring	Categ
2	S2RETRS	s2retrs:w2 s main reason for retiring	Categ
3	S3RETRS	s3retrs:w3 s main reason for retiring	Categ
4	S4RETRS	s4retrs:w4 s main reason for retiring	Categ
5	S5RETRS	s5retrs:w5 s main reason for retiring	Categ
6	S6RETRS	s6retrs:w6 s main reason for retiring	Categ
7	S7RETRS	s7retrs:w7 s main reason for retiring	Categ
8	S8RETRS	s8retrs:w8 s main reason for retiring	Categ
9	S9RETRS	s9retrs:w9 s main reason for retiring	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETRS	5354	2.66	1.61	1.00	5.00
R2RETRS	4736	2.68	1.61	1.00	5.00
R3RETRS	4478	2.69	1.58	1.00	5.00
R4RETRS	5110	2.78	1.58	1.00	5.00
R5RETRS	5023	2.81	1.58	1.00	5.00
R6RETRS	5129	2.84	1.59	1.00	5.00
R7RETRS	5958	2.70	1.62	1.00	5.00
R8RETRS	5735	2.79	1.63	1.00	5.00
R9RETRS	5452	2.84	1.64	1.00	5.00
S1RETRS	3142	2.66	1.60	1.00	5.00
S2RETRS	2736	2.64	1.59	1.00	5.00
S3RETRS	2466	2.67	1.58	1.00	5.00
S4RETRS	2981	2.79	1.59	1.00	5.00
S5RETRS	2978	2.82	1.58	1.00	5.00
S6RETRS	3097	2.86	1.60	1.00	5.00
S7RETRS	3773	2.73	1.63	1.00	5.00
S8RETRS	3664	2.83	1.65	1.00	5.00
S9RETRS	3465	2.87	1.65	1.00	5.00

### Categorical Variable Codes

Value-----	R1RETRS	R2RETRS	R3RETRS	R4RETRS	R5RETRS
.m:Missing	9	1	40	47	32
.z:not retired	6736	4695	5248	5893	5219
1.requirements met	2096	1839	1696	1808	1725
2.not look for other job	716	599	469	521	500
3.own health	614	590	778	947	974
4.family reasons	777	673	587	671	667
5.other	1151	1035	948	1163	1157

Value-----	R6RETRS	R7RETRS	R8RETRS	R9RETRS
.m:Missing	40	18	19	26

.z:not retired	5432	3690	2691	3258	
1.requirements met	1746	2360	2147	1993	
2.not look for other job	507	531	500	455	
3.own health	957	960	906	845	
4.family reasons	674	744	757	737	
5.other	1245	1363	1425	1422	
Value-----	S1RETRS	S2RETRS	S3RETRS	S4RETRS	S5RETRS
.m:Missing	8	1	24	35	25
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.z:not retired	4920	3441	3894	4386	3961
1.requirements met	1200	1070	948	1049	1020
2.not look for other job	449	362	249	299	295
3.own health	396	372	449	557	573
4.family reasons	407	357	307	384	392
5.other	690	575	513	692	698
Value-----	S6RETRS	S7RETRS	S8RETRS	S9RETRS	
.m:Missing	30	10	14	15	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.z:not retired	4115	2777	2010	2340	
1.requirements met	1041	1477	1355	1248	
2.not look for other job	304	341	316	290	
3.own health	577	585	552	512	
4.family reasons	394	469	490	480	
5.other	781	901	951	935	

## How Constructed

RwRETRS indicates the respondent's main reason for retiring. It is comprised of the main reasons the respondent retired or took early retirement. The respondent is asked the reasons they retired or took early retirement, and if they mention multiple reasons, then they are asked for the main reason. RwRETRS uses the main reason reported and is coded as follows: 1.requirements met, 2.not look for other job, 3.own health, 4.family reasons, 5.other. RwRETRS is assigned a code of 1 if the respondent reporting retiring because they reached retirement age, or if they reported retiring early because they were offered reasonable financial terms to retire early or take voluntary redundancy. RwRETRS is assigned a code of 2 if the respondent reported retiring or retiring early because they were made redundant/dismissed/had no choice, or could not find another job. RwRETRS is assigned a code of 3 if the respondent reported retiring or retiring early because of their own ill health. RwRETRS is assigned a code of 4 if the respondent reported retiring or retiring early because of the ill health of a relative/friend, to spend more time with partner/family, to retire at the same time as their partner, or to retire at a different time to their partner. RwRETRS is assigned a code of 5 if the respondent reported retiring or retiring early to enjoy life while still young and fit enough, they were fed up with their job and wanted a change, to give the young generation a chance, for another reason, or for a reason not listed. Since respondents are likely to only retire once, responses from past waves are carried forward, though any answers that might be given in the current wave take precedence. RwRETRS is set to special missing .z if the respondent is not retired. Don't know, refused, or other missing responses of RwRETRS are assigned special missing codes .d, .r, .m, respectively. RwRETRS is set to plain missing (.) for respondents who did not respond to the current wave.

SwRETRS is the current wave's spouse's main reason for retiring, and its values are taken from RwRETRS. In addition to the special missing codes used in RwRETRS, SwRETRS employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Starting in Wave 2, responses from previous waves are carried forward if no reasons are provided in the current wave.

## Differences with the RAND HRS/Harmonized HRS

The HRS asks for the relative importance of four separate factors in the respondent's decision to retire. The ELSA, on the other hand, asks for the reasons the respondent retired, and if more than one is given, asks the main reason the respondent retired. As such, there is no comparable variable to RWRTRS in the Harmonized HRS or RAND HRS.

## ELSA Variables Used

### Wave 1 Core:

WPACT1	did you do any of these activities during the last month
WPACT2	did you do any of these activities during the last month
WPACT3	did you do any of these activities during the last month
WPACT4	did you do any of these activities during the last month
WPACT5	did you do any of these activities during the last month
WPACT6	did you do any of these activities during the last month
WPACTW	derived: prioritised value for work status in last month
WPDES	which one of these would you say best describes your cur
WPMREA	what was your main reason for taking early retirement?
WPMRRE	what was your main reason for retiring?
WPREA01	reasons for taking early retirement (1st mention)
WPREA02	reasons for taking early retirement (2nd mention)
WPREA03	reasons for taking early retirement (3rd mention)
WPREA04	reasons for taking early retirement (4th mention)
WPREA05	reasons for taking early retirement (5th mention)
WPREA06	reasons for taking early retirement (6th mention)
WPREA07	reasons for taking early retirement (7th mention)
WPRRE01	reasons for retirement (1st mention)
WPRRE02	reasons for retirement (2nd mention)
WPRRE03	reasons for retirement (3rd mention)
WPRRE04	reasons for retirement (4th mention)
WPRRE05	reasons for retirement (5th mention)
WPRRE06	reasons for retirement (6th mention)

### Wave 2 Core:

WPACT1	Activities during the last month (1st mention)
WPACT2	Activities during the last month (2nd mention)
WPACT3	Activities during the last month (3rd mention)
WPACT4	Activities during the last month (4th mention)
WPACT5	Activities during the last month (5th mention)
WPACT6	Activities during the last month (6th mention)
WPACTW	Derived: prioritised value for work status in last month
WPDES	Best description of current situation
WPMREA	Main reason for taking early retirement
WPMRRE	Main reason for retiring
WPREA01	Reasons for taking early retirement (1st mention)
WPREA02	Reasons for taking early retirement (2nd mention)
WPREA03	Reasons for taking early retirement (3rd mention)
WPREA04	Reasons for taking early retirement (4th mention)
WPREA05	Reasons for taking early retirement (5th mention)
WPREA06	Reasons for taking early retirement (6th mention)
WPREA07	Reasons for taking early retirement (7th mention)
WPRRE01	Reasons for retiring (1st mention)
WPRRE02	Reasons for retiring (2nd mention)
WPRRE03	Reasons for retiring (3rd mention)
WPRRE04	Reasons for retiring (4th mention)
WPRRE05	Reasons for retiring (5th mention)

### Wave 3 Core:

WPACTW	derived: prioritised value for work status in last month
WPDES	best description of current situation
WPMREA	main reason for taking early retirement
WPMRRE	what was your main reason for retiring?
WPREA95	reasons for taking early retirement: other

WPREA96 reasons for taking early retirement: none of these  
 WPREACH reasons for taking early retirement: fed up with job and  
 WPREADT reasons for taking early retirement: to retire at diff t  
 WPREAEN reasons for taking early retirement: to enjoy life while  
 WPREFAF reasons for taking early retirement: to spend more time  
 WPREFAFI reasons for taking early retirement: couldn't find anothe  
 WPREAOH reasons for taking early retirement: own ill health  
 WPREARE reasons for taking early retirement: made redundant/dism  
 WPREARH reasons for taking early retirement: ill health of relat  
 WPREAST reasons for taking early retirement: to retire at same t  
 WPREAVR reasons for taking early retirement: offered reasonable  
 WPREAYO reasons for taking early retirement: to give the young g  
 WPRR95 reasons for retiring: other  
 WPRR96 reasons for retiring: none of these  
 WPRRAG reasons for retiring: own ill health  
 WPRRCH reasons for retiring: fed up with job and wanted a chang  
 WPRRDT reasons for retiring: to retire at diff time to spouse/p  
 WPRREN reasons for retiring: to enjoy life while still young/fi  
 WPRRFAR reasons for retiring: to spend more time with partner/fa  
 WPRRFARFI reasons for retiring: couldnt find another job  
 WPRRROH reasons for retiring: ill health of relative/friend  
 WPRRRE reasons for retiring: couldnt find another job  
 WPRRRH reasons for retiring: made redundant/dismissed/had no ch  
 WPRRST reasons for retiring: to retire at same time as spouse/p  
 WPRRYO reasons for retiring: to give the young generation a cha

## Wave 4 Core:

WPACTW derived: prioritised value for work status in last month  
 WPDES best description of current situation  
 WPMREA main reason for taking early retirement  
 WPMRRE what was your main reason for retiring?  
 WPREA95 reasons for taking early retirement: other  
 WPREA96 reasons for taking early retirement: none of these  
 WPREACH reasons for taking early retirement: fed up with job and  
 WPREADT reasons for taking early retirement: to retire at diff t  
 WPREAEN reasons for taking early retirement: to enjoy life while  
 WPREFAF reasons for taking early retirement: to spend more time  
 WPREFAFI reasons for taking early retirement: couldn't find anothe  
 WPREAOH reasons for taking early retirement: own ill health  
 WPREARE reasons for taking early retirement: made redundant/dism  
 WPREARH reasons for taking early retirement: ill health of relat  
 WPREAST reasons for taking early retirement: to retire at same t  
 WPREAVR reasons for taking early retirement: offered reasonable  
 WPREAYO reasons for taking early retirement: to give the young g  
 WPRR95 reasons for retiring: other  
 WPRR96 reasons for retiring: none of these  
 WPRRAG reasons for retiring: reached retirement age  
 WPRRCH reasons for retiring: fed up with job and wanted a chang  
 WPRRDT reasons for retiring: to retire at diff time to spouse/p  
 WPRREN reasons for retiring: to enjoy life while still young/fi  
 WPRRFAR reasons for retiring: to spend more time with partner/fa  
 WPRRFARFI reasons for retiring: couldnt find another job  
 WPRRROH reasons for retiring: own ill health  
 WPRRRE reasons for retiring: made redundant/dismissed/had no ch  
 WPRRRH reasons for retiring: ill health of relative/friend  
 WPRRST reasons for retiring: to retire at same time as spouse/p  
 WPRRYO reasons for retiring: to give the young generation a cha

## Wave 5 Core:

WPACTW Derived: prioritised value for work status in last month  
 WPDES Best description of current situation  
 WPMREA Main reason for taking early retirement  
 WPMRRE What was your main reason for retiring?  
 WPREA95 Reasons for taking early retirement: other  
 WPREA96 Reasons for taking early retirement: none of these



WPREACH Reasons for taking early retirement: fed up with job and  
 WPREADT Reasons for taking early retirement: to retire at diff t  
 WPREAEN Reasons for taking early retirement: to enjoy life while  
 WPREFAF Reasons for taking early retirement: to spend more time  
 WPREFAFI Reasons for taking early retirement: couldn't find anoth  
 WPREAHOH Reasons for taking early retirement: own ill health  
 WPREARE Reasons for taking early retirement: made redundant/dism  
 WPREARH Reasons for taking early retirement: ill health of relat  
 WPREAST Reasons for taking early retirement: to retire at same t  
 WPREAVR Reasons for taking early retirement: offered reasonable  
 WPREAYO Reasons for taking early retirement: to give the young g  
 WPRR95 Reasons for retiring: other  
 WPRR96 Reasons for retiring: none of these  
 WPRRAG Reasons for retiring: reached retirement age  
 WPRRCH Reasons for retiring: fed up with job and wanted a chang  
 WPRRDT Reasons for retiring: to retire at diff time to spouse/p  
 WPRREN Reasons for retiring: to enjoy life while still young/fi  
 WPRRFFA Reasons for retiring: to spend more time with partner/fa  
 WPRRFI Reasons for retiring: couldnt find another job  
 WPRROH Reasons for retiring: own ill health  
 WPRRRE Reasons for retiring: made redundant/dismissed/had no ch  
 WPRRRH Reasons for retiring: ill health of relative/friend  
 WPRRST Reasons for retiring: to retire at same time as spouse/p  
 WPRRYO Reasons for retiring: to give the young generation a cha

## Wave 6 Core:

WPACTW derived: prioritised value for work status in last month  
 WPDES best description of current situation  
 WPMREA main reason for taking early retirement  
 WPMRRE what was your main reason for retiring?  
 WPREA95 reasons for taking early retirement: other  
 WPREA96 reasons for taking early retirement: none of these  
 WPREACH reasons for taking early retirement: fed up with job and  
 WPREADT reasons for taking early retirement: to retire at diff t  
 WPREAEN reasons for taking early retirement: to enjoy life while  
 WPREFAF reasons for taking early retirement: to spend more time  
 WPREFAFI reasons for taking early retirement: couldn't find anoth  
 WPREAHOH reasons for taking early retirement: own ill health  
 WPREARE reasons for taking early retirement: made redundant/dism  
 WPREARH reasons for taking early retirement: ill health of relat  
 WPREAST reasons for taking early retirement: to retire at same t  
 WPREAVR reasons for taking early retirement: offered reasonable  
 WPREAYO reasons for taking early retirement: to give the young g  
 WPRR95 reasons for retiring: other  
 WPRR96 reasons for retiring: none of these  
 WPRRAG reasons for retiring: reached retirement age  
 WPRRCH reasons for retiring: fed up with job and wanted a chang  
 WPRRDT reasons for retiring: to retire at diff time to spouse/p  
 WPRREN reasons for retiring: to enjoy life while still young/fi  
 WPRRFFA reasons for retiring: to spend more time with partner/fa  
 WPRRFI reasons for retiring: couldnt find another job  
 WPRROH reasons for retiring: own ill health  
 WPRRRE reasons for retiring: made redundant/dismissed/had no ch  
 WPRRRH reasons for retiring: ill health of relative/friend  
 WPRRST reasons for retiring: to retire at same time as spouse/p  
 WPRRYO reasons for retiring: to give the young generation a cha

## Wave 7 Core:

WPACTW derived: prioritised value for work status in last month  
 WPDES best description of current situation  
 WPMREA main reason for taking early retirement  
 WPMRRE what was your main reason for retiring?  
 WPREA95 reasons for taking early retirement: other  
 WPREA96 reasons for taking early retirement: none of these  
 WPREACH reasons for taking early retirement: fed up with job and

WPREADT reasons for taking early retirement: to retire at diff t  
 WPREAEN reasons for taking early retirement: to enjoy life while  
 WPREFAF reasons for taking early retirement: to spend more time  
 WPREAFI reasons for taking early retirement: couldn't find anoth  
 WPREAOH reasons for taking early retirement: own ill health  
 WPREARE reasons for taking early retirement: made redundant/dism  
 WPREARH reasons for taking early retirement: ill health of relat  
 WPREAST reasons for taking early retirement: to retire at same t  
 WPREAVR reasons for taking early retirement: offered reasonable  
 WPREAYO reasons for taking early retirement: to give the young g  
 WPRR95 reasons for retiring: other  
 WPRR96 reasons for retiring: none of these  
 WPRRAG reasons for retiring: reached retirement age  
 WPRRCH reasons for retiring: fed up with job and wanted a chang  
 WPRRDT reasons for retiring: to retire at diff time to spouse/p  
 WPRREN reasons for retiring: to enjoy life while still young/fi  
 WPRRFA reasons for retiring: to spend more time with partner/fa  
 WPRRFI reasons for retiring: couldnt find another job  
 WPRROH reasons for retiring: own ill health  
 WPRRRE reasons for retiring: made redundant/dismissed/had no ch  
 WPRRRH reasons for retiring: ill health of relative/friend  
 WPRRST reasons for retiring: to retire at same time as spouse/p  
 WPRRYO reasons for retiring: to give the young generation a cha

## Wave 8 Core:

WPACTW computed: prioritised single coded version of the work v  
 WPDES best description of current situation  
 WPMREA main reason for taking early retirement  
 WPMRRE main reason for retiring  
 WPREA95 reasons for taking early retirement: other  
 WPREA96 reasons for taking early retirement: none of these  
 WPREACH reasons for taking early retirement: fed up with job and  
 WPREADT reasons for taking early retirement: to retire at diff t  
 WPREAEN reasons for taking early retirement: to enjoy life while  
 WPREAFAF reasons for taking early retirement: to spend more time  
 WPREAFI reasons for taking early retirement: couldn't find anoth  
 WPREAOH reasons for taking early retirement: own ill health  
 WPREARE reasons for taking early retirement: made redundant/dism  
 WPREARH reasons for taking early retirement: ill health of relat  
 WPREAST reasons for taking early retirement: to retire at same t  
 WPREAVR reasons for taking early retirement: offered reasonable  
 WPREAYO reasons for taking early retirement: to give the young g  
 WPRR95 reasons for retiring: other  
 WPRR96 reasons for retiring: none of these  
 WPRRAG reasons for retiring: reached retirement age  
 WPRRCH reasons for retiring: fed up with job and wanted a chang  
 WPRRDT reasons for retiring: to retire at diff time to spouse/p  
 WPRREN reasons for retiring: to enjoy life while still young/fi  
 WPRRFA reasons for retiring: to spend more time with partner/fa  
 WPRRFI reasons for retiring: couldn't find another job  
 WPRROH reasons for retiring: own ill health  
 WPRRRE reasons for retiring: made redundant/dismissed/had no ch  
 WPRRRH reasons for retiring: ill health of relative/friend  
 WPRRST reasons for retiring: to retire at same time as spouse/p  
 WPRRYO reasons for retiring: to give the young generation a cha

## Wave 9 Core:

WPACTW Computed: prioritised single coded version of the work v  
 WPDES Best description of current situation  
 WPMREA Main reason for taking early retirement  
 WPMRRE Main reason for retiring  
 WPREA95 Reasons for taking early retirement: other  
 WPREA96 Reasons for taking early retirement: none of these  
 WPREACH Reasons for taking early retirement: fed up with job and  
 WPREADT Reasons for taking early retirement: to retire at diff t

WPREAEN	Reasons for taking early retirement: to enjoy life while
WPREFAF	Reasons for taking early retirement: to spend more time
WPREFAFI	Reasons for taking early retirement: couldn't find another
WPREFAOH	Reasons for taking early retirement: own ill health
WPREFARE	Reasons for taking early retirement: made redundant/dism
WPREFARH	Reasons for taking early retirement: ill health of relat
WPREFAST	Reasons for taking early retirement: to retire at same t
WPREFAVR	Reasons for taking early retirement: offered reasonable
WPREFAYO	Reasons for taking early retirement: to give the young g
WPRR95	Reasons for retiring: other
WPRR96	Reasons for retiring: none of these
WPRRAG	Reasons for retiring: reached retirement age
WPRRCH	Reasons for retiring: fed up with job and wanted a chang
WPRRDT	Reasons for retiring: to retire at diff time to spouse/p
WPRRFN	Reasons for retiring: to enjoy life while still young/fi
WPRRFA	Reasons for retiring: to spend more time with partner/fa
WPRRFI	Reasons for retiring: couldn't find another job
WPRRHOH	Reasons for retiring: own ill health
WPRRRE	Reasons for retiring: made redundant/dismissed/had no ch
WPRRRH	Reasons for retiring: ill health of relative/friend
WPRRST	Reasons for retiring: to retire at same time as spouse/p
WPRRYO	Reasons for retiring: to give the young generation a cha

<b>Early Retirement</b>
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Wave	Variable	Label	Type
1	R1EARLYRET	r1earlyret:w1 R took early retirement	Categ
2	R2EARLYRET	r2earlyret:w2 R took early retirement	Categ
3	R3EARLYRET	r3earlyret:w3 R took early retirement	Categ
4	R4EARLYRET	r4earlyret:w4 R took early retirement	Categ
5	R5EARLYRET	r5earlyret:w5 R took early retirement	Categ
6	R6EARLYRET	r6earlyret:w6 R took early retirement	Categ
7	R7EARLYRET	r7earlyret:w7 R took early retirement	Categ
8	R8EARLYRET	r8earlyret:w8 R took early retirement	Categ
9	R9EARLYRET	r9earlyret:w9 R took early retirement	Categ
1	S1EARLYRET	s1earlyret:w1 S took early retirement	Categ
2	S2EARLYRET	s2earlyret:w2 S took early retirement	Categ
3	S3EARLYRET	s3earlyret:w3 S took early retirement	Categ
4	S4EARLYRET	s4earlyret:w4 S took early retirement	Categ
5	S5EARLYRET	s5earlyret:w5 S took early retirement	Categ
6	S6EARLYRET	s6earlyret:w6 S took early retirement	Categ
7	S7EARLYRET	s7earlyret:w7 S took early retirement	Categ
8	S8EARLYRET	s8earlyret:w8 S took early retirement	Categ
9	S9EARLYRET	s9earlyret:w9 S took early retirement	Categ
1	R1OERET	r1oeret:w1 R offered early retirement	Categ
2	R2OERET	r2oeret:w2 R offered early retirement	Categ
3	R3OERET	r3oeret:w3 R offered early retirement	Categ
4	R4OERET	r4oeret:w4 R offered early retirement	Categ
5	R5OERET	r5oeret:w5 R offered early retirement	Categ
6	R6OERET	r6oeret:w6 R offered early retirement	Categ
7	R7OERET	r7oeret:w7 R offered early retirement	Categ
8	R8OERET	r8oeret:w8 R offered early retirement	Categ
9	R9OERET	r9oeret:w9 R offered early retirement	Categ
1	S1OERET	s1oeret:w1 S offered early retirement	Categ
2	S2OERET	s2oeret:w2 S offered early retirement	Categ
3	S3OERET	s3oeret:w3 S offered early retirement	Categ
4	S4OERET	s4oeret:w4 S offered early retirement	Categ
5	S5OERET	s5oeret:w5 S offered early retirement	Categ
6	S6OERET	s6oeret:w6 S offered early retirement	Categ
7	S7OERET	s7oeret:w7 S offered early retirement	Categ
8	S8OERET	s8oeret:w8 S offered early retirement	Categ
9	S9OERET	s9oeret:w9 S offered early retirement	Categ
1	R1OERETAGE	r1oeretage:w1 R age offered early retirement	Cont
2	R2OERETAGE	r2oeretage:w2 R age offered early retirement	Cont
3	R3OERETAGE	r3oeretage:w3 R age offered early retirement	Cont
4	R4OERETAGE	r4oeretage:w4 R age offered early retirement	Cont
5	R5OERETAGE	r5oeretage:w5 R age offered early retirement	Cont
6	R6OERETAGE	r6oeretage:w6 R age offered early retirement	Cont
7	R7OERETAGE	r7oeretage:w7 R age offered early retirement	Cont
8	R8OERETAGE	r8oeretage:w8 R age offered early retirement	Cont
9	R9OERETAGE	r9oeretage:w9 R age offered early retirement	Cont
1	S1OERETAGE	s1oeretage:w1 S age offered early retirement	Cont
2	S2OERETAGE	s2oeretage:w2 S age offered early retirement	Cont
3	S3OERETAGE	s3oeretage:w3 S age offered early retirement	Cont
4	S4OERETAGE	s4oeretage:w4 S age offered early retirement	Cont
5	S5OERETAGE	s5oeretage:w5 S age offered early retirement	Cont
6	S6OERETAGE	s6oeretage:w6 S age offered early retirement	Cont
7	S7OERETAGE	s7oeretage:w7 S age offered early retirement	Cont

8	S8OERETAGE	s8oeretage:w8	S age offered early retirement	Cont
9	S9OERETAGE	s9oeretage:w9	S age offered early retirement	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1EARLYRET	3538	0.55	0.50	0.00	1.00
R2EARLYRET	2977	0.56	0.50	0.00	1.00
R3EARLYRET	4004	0.50	0.50	0.00	1.00
R4EARLYRET	4740	0.51	0.50	0.00	1.00
R5EARLYRET	4603	0.52	0.50	0.00	1.00
R6EARLYRET	4751	0.51	0.50	0.00	1.00
R7EARLYRET	5656	0.44	0.50	0.00	1.00
R8EARLYRET	5454	0.44	0.50	0.00	1.00
R9EARLYRET	5213	0.43	0.49	0.00	1.00
S1EARLYRET	2291	0.57	0.49	0.00	1.00
S2EARLYRET	1871	0.59	0.49	0.00	1.00
S3EARLYRET	2179	0.55	0.50	0.00	1.00
S4EARLYRET	2772	0.55	0.50	0.00	1.00
S5EARLYRET	2709	0.56	0.50	0.00	1.00
S6EARLYRET	2849	0.55	0.50	0.00	1.00
S7EARLYRET	3593	0.47	0.50	0.00	1.00
S8EARLYRET	3477	0.47	0.50	0.00	1.00
S9EARLYRET	3299	0.46	0.50	0.00	1.00
R1OERET	3313	0.04	0.20	0.00	1.00
R2OERET	2441	0.03	0.17	0.00	1.00
R3OERET	3217	0.03	0.16	0.00	1.00
R4OERET	3248	0.03	0.17	0.00	1.00
R5OERET	2656	0.05	0.21	0.00	1.00
R6OERET	2728	0.04	0.21	0.00	1.00
R7OERET	2394	0.04	0.18	0.00	1.00
R8OERET	1786	0.04	0.20	0.00	1.00
R9OERET	2159	0.03	0.16	0.00	1.00
S1OERET	2516	0.04	0.20	0.00	1.00
S2OERET	1847	0.03	0.18	0.00	1.00
S3OERET	2516	0.03	0.16	0.00	1.00
S4OERET	2456	0.03	0.17	0.00	1.00
S5OERET	2076	0.05	0.21	0.00	1.00
S6OERET	2101	0.05	0.21	0.00	1.00
S7OERET	1837	0.04	0.19	0.00	1.00
S8OERET	1354	0.04	0.20	0.00	1.00
S9OERET	1552	0.03	0.16	0.00	1.00
R1OERETAGE	145	53.43	3.42	50.00	64.00
R2OERETAGE	77	53.70	3.40	50.00	64.00
R3OERETAGE	84	53.58	3.15	50.00	61.00
R4OERETAGE	102	54.47	3.51	50.00	64.00
R5OERETAGE	125	55.01	3.55	50.00	64.00
R6OERETAGE	120	55.02	3.23	50.00	65.00
R7OERETAGE	78	54.95	3.35	50.00	67.00
R8OERETAGE	71	55.66	3.80	50.00	67.00
R9OERETAGE	54	55.65	3.73	50.00	65.00
S1OERETAGE	110	53.55	3.49	50.00	64.00
S2OERETAGE	63	53.84	3.23	50.00	63.00
S3OERETAGE	64	53.27	3.25	50.00	61.00
S4OERETAGE	74	54.41	3.61	50.00	64.00
S5OERETAGE	96	54.92	3.54	50.00	64.00
S6OERETAGE	100	55.06	3.18	50.00	65.00

S7OERETAGE	63	54.84	3.47	50.00	67.00
S8OERETAGE	53	55.53	3.77	50.00	67.00
S9OERETAGE	40	55.68	3.47	50.00	63.00

### Categorical Variable Codes

Value-----	R1EARLYRET	R2EARLYRET	R3EARLYRET	R4EARLYRET	R5EARLYRET
.d:DK	17	6	3	10	8
.m:Missing	8	28	213	329	446
.r:Refuse	21	4	5	16	8
.s:no pension scheme	6014	5708	396	521	676
.z:not retired	2501	709	5145	5434	4533
0.no	1593	1299	1989	2339	2230
1.yes	1945	1678	2015	2401	2373

Value-----	R6EARLYRET	R7EARLYRET	R8EARLYRET	R9EARLYRET
.d:DK	3		2	2
.m:Missing	481		1	1
.r:Refuse	6	1	1	1
.s:no pension scheme	704	1		3
.z:not retired	4656	4008	2987	3516
0.no	2337	3181	3056	2976
1.yes	2414	2475	2398	2237

Value-----	S1EARLYRET	S2EARLYRET	S3EARLYRET	S4EARLYRET	S5EARLYRET
.d:DK	9	4	2	5	7
.m:Missing	8	18	137	237	331
.r:Refuse	14	3	2	12	7
.s:no pension scheme	3854	3740	282	349	494
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.z:not retired	1894	542	3782	4027	3416
0.no	982	772	976	1261	1195
1.yes	1309	1099	1203	1511	1514

Value-----	S6EARLYRET	S7EARLYRET	S8EARLYRET	S9EARLYRET
.d:DK	3		2	2
.m:Missing	366		1	1
.r:Refuse	6	1	1	1
.s:no pension scheme	506			2
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.z:not retired	3512	2966	2207	2515
0.no	1279	1903	1838	1793
1.yes	1570	1690	1639	1506

Value-----	R1OERET	R2OERET	R3OERET	R4OERET	R5OERET
.a:younger than 50	404	174	7	206	113
.d:DK	9	1	6	5	5
.e:not an employee	7440	6102	5755	6682	6671
.m:Missing	28	70	23	24	21
.r:Refuse	18	1	2	1	
.s:self-employed	887	643	756	884	808
0.no	3168	2364	3133	3146	2530
1.yes	145	77	84	102	126

Value-----	R6OERET	R7OERET	R8OERET	R9OERET
.a:younger than 50	167	121	58	128
.d:DK	13	4	20	2
.e:not an employee	6809	6357	5937	5710
.m:Missing	11	11	8	17
.r:Refuse	5	3	6	2
.s:self-employed	868	776	630	718
0.no	2608	2310	1714	2105
1.yes	120	84	72	54

Value-----	S1OERET	S2OERET	S3OERET	S4OERET	S5OERET
.a:younger than 50	393	168	6	202	107
.d:DK	6		5	3	5

.e:not an employee	4456	3618	3282	4029	4120
.m:Missing	25	56	14	17	14
.r:Refuse	8		1		
.s:self-employed	666	489	560	695	642
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	2406	1784	2452	2382	1979
1.yes	110	63	64	74	97
Value-----	S6OERET	S7OERET	S8OERET	S9OERET	
.a:younger than 50	166	116	55	126	
.d:DK	9	2	19	2	
.e:not an employee	4256	3979	3760	3587	
.m:Missing	8	9	8	15	
.r:Refuse	4	3	5	2	
.s:self-employed	698	614	487	536	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	2001	1768	1300	1512	
1.yes	100	69	54	40	

## How Constructed

RwEARLYRET indicates whether the respondent took early retirement. If the respondent is retired or semi-retired, they are asked if they took early retirement, or retired before the normal retirement age in their pension scheme or before the compulsory retirement age in their job. RwEARLYRET is assigned a 0 if the respondent did not retire early, and is assigned a 1 if the respondent did retire early. Responses from previous waves are carried forward if they report still being retired or semi-retired in the current wave. RwEARLYRET is set to special missing .z if the respondent is not retired. RwEARLYRET is assigned special missing .s in Waves 1 and 2 if this question was not asked because they were not part of a pension scheme, and these .s values can be carried forward in future waves. Don't know, refused, or other missing responses of RwEARLYRET are assigned special missing codes .d, .r, .m, respectively. RwEARLYRET is set to plain missing (.) for respondents who did not respond to the current wave.

RwOERET indicates whether the respondent was offered any form of early retirement since they were 50 which they chose not to take if they are an employee. RwOERET is assigned a 0 if the respondent was not offered early retirement and is assigned a 1 if they were offered early retirement. RwOERET is assigned special missing .a if this question is not asked because the respondent is younger than age 50. RwOERET is assigned special missing .e if the respondent is not an employee and special missing .s if the respondent is self-employed, and this question was not asked. Don't know, refused, or other missing responses of RwOERET are assigned special missing codes .d, .r, .m, respectively. RwOERET is set to plain missing (.) for respondents who did not respond to the current wave.

RwOERETAGE indicates the age at which the respondent was offered any form of early retirement if they are an employee. The respondent is asked if they have been offered any form of early retirement incentives since they were 50 which they chose not to take, and if so, they are asked how old they were. RwOERETAGE takes the value of the age reported. RwOERETAGE is assigned special missing .n if the respondent was not offered early retirement. RwOERETAGE is assigned special missing .a if this question is not asked because the respondent is younger than age 50. RwOERETAGE is assigned special missing .e if the respondent is not an employee and special missing .s if the respondent is self-employed, and this question was not asked. Don't know, refused, or other missing responses of RwOERETAGE are assigned special missing codes .d, .r, .m, respectively. RwOERETAGE is set to plain missing (.) for respondents who did not respond to the current wave.

SwEARLYRET, SwOERET, and SwOERETAGE indicate whether the current wave's spouse took early retirement, whether they were offered early retirement that they did not take, and the age they were offered early retirement that they did not take, and their values are taken from RwEARLYRET, RwOERET, and RwOERETAGE. In addition to the special missing codes used in RwEARLYRET, RwOERET, and RwOERETAGE, SwEARLYRET, SwOERET, and SwOERETAGE employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

In Waves 1 and 2, the respondent is asked, "Did you take early retirement, that is did you retire before the normal retirement age in your pension scheme?" Starting in Wave 3, the respondent is asked, "Did you take early retirement, that is did you retire before the normal retirement age in your pension scheme or before the compulsory retirement age in your job?" In Waves 1 and 2, this question is not asked if the respondent was not part of a pension scheme.

For Waves 3 - 6 there are a number of respondents who retired between waves but were not asked why they retired or whether they took early retirement. It is unclear why these respondents were never asked this question between these waves and this has contributed to a larger than normal number of .m missing values in R3EARLYRET-R6EARLYRET.

## Differences with the RAND HRS/Harmonized HRS

The HRS asks whether the respondent was offered a special financial incentive during an early retirement window since the previous interview, the number of offers, the year and month of each offer, and whether the respondent took the offer. The ELSA asks whether the respondent took early retirement, not necessarily whether they received special incentives, and asks about special incentives if the respondent did not take the offer. As such, the RAND HRS and Harmonized HRS have no directly comparable variables to these in the Harmonized ELSA.

## ELSA Variables Used

### Wave 1 Core:

INDAGER	age variable combined info from hh grid and individual d
WPACTW	derived: prioritised value for work status in last month
WPDES	which one of these would you say best describes your cur
WPDES	which one of these would you say best describes your cur
WPERAG	how old were you?
WPERET	have you been offered any form of early retirement incen
WPERET2	did you take early retirement, that is, did you retire b
WPES	derived: 1=employee, 2=self-employed
WPPEPR	apart from any state pensions, have you ever belonged to
WPPRPE	apart from your current scheme and any state pensions, h

### Wave 2 Core:

INDAGER	Definitive age variable collapsed at 90 plus. Priority:
WPACTW	Derived: prioritised value for work status in last month
WPDES	Best description of current situation
WPDES	Best description of current situation
WPERAG	How old were you?
WPERET	Been offered early retirement incentives since age 50 wh
WPERET2	Took early retirement (i.e. retired before the NRA in yo
WPES	Derived: employee or self-employed
WPPEPR	Ever belonged to or contributed to a pension scheme apar
WPPRPE	Ever belonged to pension scheme apart from current schem

### Wave 3 Core:

INDAGER	definitive age variable collapsed at 90 plus. priority:
WPACTW	derived: prioritised value for work status in last month
WPDES	best description of current situation
WPEARLY	been offered anyearly retirement incentives since age 50
WPERAG	how old were you?
WPERET	did you take early retirement?
WPES	derived: employee or self-employed

### Wave 4 Core:

INDAGER	definitive age variable collapsed at 90 plus. priority:
WPACTW	derived: prioritised value for work status in last month
WPDES	best description of current situation
WPEARLY	been offered any early retirement incentives since age 5
WPERAG	how old were you?
WPERET	did you take early retirement?
WPES	derived: employee or self-employed

### Wave 5 Core:

INDAGER	Definitive age variable collapsed at 90+ to avoid disclo
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WPACTW	Derived: prioritised value for work status in last month
WPDES	Best description of current situation
WPEARLY	Been offered any early retirement incentives since age 5
WPERAG	How old were you?
WPERET	Did you take early retirement?
WPES	Derived: employee or self-employed
Wave 6 Core:	
INDAGER	definitive age variable collapsed at 90+ to avoid disclo
WPACTW	derived: prioritised value for work status in last month
WPDES	best description of current situation
WPEARLY	been offered any early retirement incentives since age 5
WPERAG	how old were you?
WPERET	did you take early retirement?
WPES	derived: employee or self-employed
Wave 7 Core:	
INDAGER	definitive age variable collapsed at 90+ to avoid disclo
WPACTW	derived: prioritised value for work status in last month
WPDES	best description of current situation
WPEARLY	been offered any early retirement incentives since age 5
WPERAG	how old were you?
WPERET	did you take early retirement?
WPES	derived: employee or self-employed
Wave 8 Core:	
INDAGER	(d) definitive age variable collapsed at 90+: priority d
WPACTW	computed: prioritised single coded version of the work v
WPDES	best description of current situation
WPEARLY	whether offered any early retirement incentives since ag
WPERAG	age when offered early retirement incentives
WPERET	whether took early retirement
WPES	computed: employee or self-employed
Wave 9 Core:	
INDAGER	(D) Definitive age variable collapsed at 90+: priority d
WPACTW	Computed: prioritised single coded version of the work v
WPDES	Best description of current situation
WPEARLY	Whether offered any early retirement incentives since ag
WPERAG	Age when offered early retirement incentives
WPERET	Whether took early retirement
WPES	Computed: employee or self-employed

<b>Working Past Retirement Age</b>
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Wave	Variable	Label	Type
1	R1ORETWRK	r1oretwrk:w1 R had opportunity to work past retirement	Categ
2	R2ORETWRK	r2oretwrk:w2 R had opportunity to work past retirement	Categ
3	R3ORETWRK	r3oretwrk:w3 R had opportunity to work past retirement	Categ
4	R4ORETWRK	r4oretwrk:w4 R had opportunity to work past retirement	Categ
5	R5ORETWRK	r5oretwrk:w5 R had opportunity to work past retirement	Categ
6	R6ORETWRK	r6oretwrk:w6 R had opportunity to work past retirement	Categ
7	R7ORETWRK	r7oretwrk:w7 R had opportunity to work past retirement	Categ
8	R8ORETWRK	r8oretwrk:w8 R had opportunity to work past retirement	Categ
9	R9ORETWRK	r9oretwrk:w9 R had opportunity to work past retirement	Categ
1	S1ORETWRK	s1oretwrk:w1 S had opportunity to work past retirement	Categ
2	S2ORETWRK	s2oretwrk:w2 S had opportunity to work past retirement	Categ
3	S3ORETWRK	s3oretwrk:w3 S had opportunity to work past retirement	Categ
4	S4ORETWRK	s4oretwrk:w4 S had opportunity to work past retirement	Categ
5	S5ORETWRK	s5oretwrk:w5 S had opportunity to work past retirement	Categ
6	S6ORETWRK	s6oretwrk:w6 S had opportunity to work past retirement	Categ
7	S7ORETWRK	s7oretwrk:w7 S had opportunity to work past retirement	Categ
8	S8ORETWRK	s8oretwrk:w8 S had opportunity to work past retirement	Categ
9	S9ORETWRK	s9oretwrk:w9 S had opportunity to work past retirement	Categ
2	R2PRETWRK	r2pretwkr:w2 R Prefer to work after compulsory retirement	Categ
3	R3PRETWRK	r3pretwkr:w3 R Prefer to work after compulsory retirement	Categ
4	R4PRETWRK	r4pretwkr:w4 R Prefer to work after compulsory retirement	Categ
5	R5PRETWRK	r5pretwkr:w5 R Prefer to work after compulsory retirement	Categ
6	R6PRETWRK	r6pretwkr:w6 R Prefer to work after compulsory retirement	Categ
7	R7PRETWRK	r7pretwkr:w7 R Prefer to work after compulsory retirement	Categ
2	S2PRETWRK	s2pretwrk:w2 S Prefer to work after compulsory retirement	Categ
3	S3PRETWRK	s3pretwrk:w3 S Prefer to work after compulsory retirement	Categ
4	S4PRETWRK	s4pretwrk:w4 S Prefer to work after compulsory retirement	Categ
5	S5PRETWRK	s5pretwrk:w5 S Prefer to work after compulsory retirement	Categ
6	S6PRETWRK	s6pretwrk:w6 S Prefer to work after compulsory retirement	Categ
7	S7PRETWRK	s7pretwrk:w7 S Prefer to work after compulsory retirement	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ORETWRK	2198	0.39	0.49	0.00	1.00
R2ORETWRK	1629	0.41	0.49	0.00	1.00
R3ORETWRK	1429	0.44	0.50	0.00	1.00
R4ORETWRK	1579	0.45	0.50	0.00	1.00
R5ORETWRK	1475	0.48	0.50	0.00	1.00
R6ORETWRK	1531	0.49	0.50	0.00	1.00
R7ORETWRK	2160	0.49	0.50	0.00	1.00
R8ORETWRK	1996	0.52	0.50	0.00	1.00
R9ORETWRK	1925	0.54	0.50	0.00	1.00
S1ORETWRK	1174	0.40	0.49	0.00	1.00
S2ORETWRK	853	0.42	0.49	0.00	1.00
S3ORETWRK	718	0.46	0.50	0.00	1.00
S4ORETWRK	848	0.48	0.50	0.00	1.00
S5ORETWRK	786	0.50	0.50	0.00	1.00
S6ORETWRK	834	0.52	0.50	0.00	1.00
S7ORETWRK	1303	0.53	0.50	0.00	1.00
S8ORETWRK	1207	0.55	0.50	0.00	1.00
S9ORETWRK	1157	0.57	0.50	0.00	1.00

R2PRETWRK	962	0.22	0.41	0.00	1.00
R3PRETWRK	958	0.21	0.41	0.00	1.00
R4PRETWRK	829	0.26	0.44	0.00	1.00
R5PRETWRK	540	0.28	0.45	0.00	1.00
R6PRETWRK	272	0.31	0.46	0.00	1.00
R7PRETWRK	173	0.25	0.43	0.00	1.00
S2PRETWRK	776	0.20	0.40	0.00	1.00
S3PRETWRK	780	0.20	0.40	0.00	1.00
S4PRETWRK	647	0.23	0.42	0.00	1.00
S5PRETWRK	428	0.25	0.44	0.00	1.00
S6PRETWRK	195	0.26	0.44	0.00	1.00
S7PRETWRK	130	0.24	0.43	0.00	1.00

### Categorical Variable Codes

Value-----	R1ORETWRK	R2ORETWRK	R3ORETWRK	R4ORETWRK	R5ORETWRK
.d:DK	23	9	6	14	11
.e:took early retirement	1937	1668	2005	2385	2353
.m:Missing	7	84	204	334	450
.n:had pension scheme	2507	1213	392	510	668
.o:retired other reason, no	1582	1129	581	782	778
.r:Refuse	16	2	4	12	6
.z:not retired	3829	3698	5145	5434	4533
0.no	1341	955	803	871	769
1.yes	857	674	626	708	706

Value-----	R6ORETWRK	R7ORETWRK	R8ORETWRK	R9ORETWRK
.d:DK	8	40	22	18
.e:took early retirement	2396	2464	2390	2229
.m:Missing	522	7	11	13
.n:had pension scheme	661			
.o:retired other reason, no	823	981	1036	1033
.r:Refuse	4	6	3	2
.z:not retired	4656	4008	2987	3516
0.no	778	1091	951	888
1.yes	753	1069	1045	1037

Value-----	S1ORETWRK	S2ORETWRK	S3ORETWRK	S4ORETWRK	S5ORETWRK
.d:DK	12	3	2	7	8
.e:took early retirement	1306	1091	1200	1502	1499
.m:Missing	3	59	153	229	326
.n:had pension scheme	1893	920	267	367	504
.o:retired other reason, no	863	554	262	414	420
.r:Refuse	10	2		8	5
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.z:not retired	2809	2696	3782	4027	3416
0.no	699	496	385	442	390
1.yes	475	357	333	406	396

Value-----	S6ORETWRK	S7ORETWRK	S8ORETWRK	S9ORETWRK
.d:DK	7	16	13	10
.e:took early retirement	1558	1683	1634	1502
.m:Missing	375	4	5	6
.n:had pension scheme	506			
.o:retired other reason, no	446	583	619	628
.r:Refuse	4	5	3	2
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.z:not retired	3512	2966	2207	2515
0.no	398	611	542	502
1.yes	436	692	665	655

Value-----	R2PRETWRK	R3PRETWRK	R4PRETWRK	R5PRETWRK
.a:No mandatory retirement	1469	1972	2294	1927
.d:DK	208	263	220	159

.e:Not an employee	6107	5755	6682	6671
.m:Missing	42	62	141	168
.r:Refuse	1			1
.s:Self-employed	643	756	884	808
0.no	751	755	611	391
1.yes	211	203	218	149

Value-----	R6PRETWRK	R7PRETWRK
.a:No mandatory retirement	2346	2084
.d:DK	121	97
.e:Not an employee	6809	6357
.m:Missing	182	179
.r:Refuse	3	
.s:Self-employed	868	776
0.no	189	130
1.yes	83	43

Value-----	S2PRETWRK	S3PRETWRK	S4PRETWRK	S5PRETWRK
.a:No mandatory retirement	1110	1518	1742	1492
.d:DK	145	192	156	122
.e:Not an employee	3620	3282	4029	4120
.m:Missing	37	52	133	159
.r:Refuse	1			1
.s:Self-employed	489	560	695	642
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
0.no	619	624	495	319
1.yes	157	156	152	109

Value-----	S6PRETWRK	S7PRETWRK
.a:No mandatory retirement	1828	1593
.d:DK	86	68
.e:Not an employee	4256	3979
.m:Missing	177	176
.r:Refuse	2	
.s:Self-employed	698	614
.u:Unmar	2802	2548
.v:SP NR	557	558
0.no	144	99
1.yes	51	31

## How Constructed

RwORETWRK indicates whether the respondent had the opportunity to work past retirement age. Whether respondents were asked if they had the opportunity to work past retirement age changed significantly between different waves of ELSA. In Wave 1, all respondents who reported being retired or semi-retired, not having had a pension scheme in the past, and not taking early retirement were asked what were the reasons for their retirement. If the respondent answered that they retired because they reached retirement age, they were then asked whether they had the opportunity to work past retirement. In Wave 2, the question was asked in a similar manner except that the question was not asked for respondents who had given an answer at the previous interview. Starting at Wave 3, respondents who had not previously given an answer were asked the question, regardless of whether they had a pension scheme in the past. At Wave 7, all respondents who reported being retired or semi-retired and not taking early retirement, and answered that they retired because they reached retirement age were asked the question, regardless if they had been asked in the past. Starting at Wave 8, the question was not asked for respondents who had given an answer at Wave 7. RwORETWRK is assigned a 0 if the respondent reported not having the opportunity to work past retirement age, or if they reported retiring because they were made redundant, dismissed, or had no choice. RwORETWRK is assigned a 1 if the respondent did have the opportunity to work past retirement age. Responses from Waves 1-5 are carried forward for R2ORETWRK-R6ORETWRK if the respondent reported still being retired or semi-retired in the current wave. Responses from Wave 7 are carried forward for R8ORETWRK and R9ORETWRK if the respondent reported still being retired or semi-retired in the current wave. RwORETWRK is set to special missing .z if the respondent is not retired or semi-retired. RwORETWRK is set to special missing .e if this question was not asked because the respondent took early retirement. RwORETWRK is set to special missing .o if this question was not asked because the respondent retired for a reason other than reaching retirement age. RwORETWRK is assigned special missing .n in Waves 1 and 2 if this question was not asked because they were part of a pension scheme, and these .n values can be carried forward in future waves. Don't know, refused, or other missing

responses of RwORETWRK are assigned special missing codes .d, .r, .m, respectively. RwORETWRK is set to plain missing (.) for respondents who did not respond to the current wave.

RwPRETWRK indicates whether the respondent would prefer to work after the compulsory retirement age if they are employees and is available in Waves 2 through 7. RwPRETWRK is assigned a 0 if the respondent would not prefer to work after the compulsory retirement age, and is assigned a 1 if the respondent would prefer to work after the compulsory retirement age. RwPRETWRK is assigned special missing .a if this question is not asked because there is no compulsory retirement age at the respondent's current job. RwPRETWRK is assigned special missings .e and .s if this question is not asked because the respondent is not an employee or is self-employed, respectively. Don't know, refused, or other missing responses of RwPRETWRK are assigned special missing codes .d, .r, .m, respectively. RwPRETWRK is set to plain missing (.) for respondents who did not respond to the current wave.

SwORETWRK and SwPRETWRK indicate whether the respondent's current wave's spouse had the opportunity to work past retirement age and whether they would prefer to work past the compulsory retirement age, and their values are taken from RwORETWRK and RwPRETWRK. In addition to the special missing codes used in RwORETWRK and RwPRETWRK, SwORETWRK and SwPRETWRK employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in ELSA

Although the question text of whether the respondent had the opportunity to work past retirement has stayed the same through all waves of ELSA, who was asked this question changed significantly between waves. In Wave 1, all respondents who reported being retired or semi-retired, not having had a pension scheme in the past, and not taking early retirement, and also answered that they retired because they reached retirement age were asked the question. In Wave 2, the question was asked in a similar manner except that the question was not asked for respondents who had given an answer at the previous interview. Starting at Wave 3, respondents who had not previously given an answer were asked the question regardless of whether they had a pension scheme in the past. For Waves 3 - 6 there are a number of respondents who retired between waves but were not asked why they retired or whether they had the opportunity to work past retirement. It is unclear why these respondents were never asked this question between these waves and this has contributed to a larger than normal number of .m missing values in R3ORETWRK-R6ORETWRK. At Wave 7, all respondents who reported being retired or semi-retired and not taking early retirement, and also answered that they retired because they reached retirement age were asked the question, regardless if they had been asked in the past. Starting at Wave 8, the question was not asked for respondents who had given an answer at Wave 7.

Respondents are not asked if they would prefer to work past their current job's compulsory retirement age in Wave 1 and starting again in Wave 8.

### Differences with the RAND HRS/Harmonized HRS

There are no directly comparable variables available in the RAND HRS or Harmonized HRS.

### ELSA Variables Used

#### Wave 1 Core:

WPDES	which one of these would you say best describes your cur
WPERET2	did you take early retirement, that is, did you retire b
WPPEPR	apart from any state pensions, have you ever belonged to
WPPRPE	apart from your current scheme and any state pensions, h
WPREM01	merged vble with backcoding: reasons for taking early re
WPREM02	merged vble with backcoding: reasons for taking early re
WPREM03	merged vble with backcoding: reasons for taking early re
WPREM04	merged vble with backcoding: reasons for taking early re
WPREM05	merged vble with backcoding: reasons for taking early re
WPREM06	merged vble with backcoding: reasons for taking early re
WPREM07	merged vble with backcoding: reasons for taking early re
WPRRM01	merged vble with backcoding: reasons for retirement (1st
WPRRM02	merged vble with backcoding: reasons for retirement (2nd

WPRRM03	merged vble with backcoding: reasons for retirement (3rd
WPRRM04	merged vble with backcoding: reasons for retirement (4th
WPRRM05	merged vble with backcoding: reasons for retirement (5th
WPRRM06	merged vble with backcoding: reasons for retirement (6th
WPWKR	did you have the opportunity to work past retirement age
Wave 2 Core:	
WPACT1	Activities during the last month (1st mention)
WPCRET	Is there a compulsory retirement age at your current job
WPCRETL	Would like to work beyond the compulsory retirement age
WPDES	Best description of current situation
WPERET2	Took early retirement (i.e. retired before the NRA in yo
WPES	Derived: employee or self-employed
WPPEPR	Ever belonged to or contributed to a pension scheme apar
WPPRPE	Ever belonged to pension scheme apart from current schem
WPPSTR	Whether currently receives pension from employment pensi
WPREAM1	Reasons for taking early retirement (1st mention): merge
WPREAM2	Reasons for taking early retirement (2nd mention): merge
WPREAM3	Reasons for taking early retirement (3rd mention): merge
WPREAM4	Reasons for taking early retirement (4th mention): merge
WPREAM5	Reasons for taking early retirement (5th mention): merge
WPREAM6	Reasons for taking early retirement (6th mention): merge
WPRREM1	Reasons for retiring (1st mention): merged var
WPRREM2	Reasons for retiring (2nd mention): merged var
WPRREM3	Reasons for retiring (3rd mention): merged var
WPRREM4	Reasons for retiring (4th mention): merged var
WPRREM5	Reasons for retiring (5th mention): merged var
WPWKR	Did you have the opportunity to work past retirement age
Wave 3 Core:	
WPACTW	derived: prioritised value for work status in last month
WPCRET	is there a compulsory retirement age at your current job
WPCRETL	would you like to work beyond the compulsory retirement
WPDES	best description of current situation
WPERET	did you take early retirement?
WPES	derived: employee or self-employed
WPREAMNO	reasons for taking early retirement (merged var): sponta
WPRRMAG	reasons for retiring (merged var): reached retirement ag
WPRRMRE	reasons for retiring (merged var): made redundant/had no
WPWKR	did you have the opportunity to work past retirement age
Wave 4 Core:	
WPACTW	derived: prioritised value for work status in last month
WPCRET	is there a compulsory retirement age at your current job
WPCRETL	would you like to work beyond the compulsory retirement
WPDES	best description of current situation
WPERET	did you take early retirement?
WPES	derived: employee or self-employed
WPREAMNO	reasons for taking early retirement (merged var): sponta
WPRRMAG	reasons for retiring (merged var): reached retirement ag
WPRRMRE	reasons for retiring (merged var): made redundant/had no
WPWKR	did you have the opportunity to work past retirement age
Wave 5 Core:	
WPACTW	Derived: prioritised value for work status in last month
WPCRET	Is there a compulsory retirement age at your current job
WPCRETL	Would you like to work beyond the compulsory retirement
WPDES	Best description of current situation
WPERET	Did you take early retirement?
WPES	Derived: employee or self-employed
WPREAMNO	Reasons for taking early retirement (merged var): SPONTA
WPRRMAG	Reasons for retiring (merged var): reached retirement ag
WPRRMRE	Reasons for retiring (merged var): made redundant/had no
WPWKR	Did you have the opportunity to work past retirement age
Wave 6 Core:	
WPACTW	derived: prioritised value for work status in last month
WPCRET	is there a compulsory retirement age at your current job

WPCRETL	would you like to work beyond the compulsory retirement
WPDES	best description of current situation
WPERET	did you take early retirement?
WPES	derived: employee or self-employed
WPREAMNO	reasons for taking early retirement (merged var): sponta
WPRRMAG	reasons for retiring (merged var): reached retirement ag
WPRRMRE	reasons for retiring (merged var): made redundant/had no
WPWKR	did you have the opportunity to work past retirement age
Wave 7 Core:	
WPACTW	derived: prioritised value for work status in last month
WPCRET	is there a compulsory retirement age at your current job
WPCRETL	would you like to work beyond the compulsory retirement
WPDES	best description of current situation
WPERET	did you take early retirement?
WPES	derived: employee or self-employed
WPREAMNO	reasons for taking early retirement (merged var): sponta
WPRRMAG	reasons for retiring (merged var): reached retirement ag
WPRRMRE	reasons for retiring (merged var): made redundant/had no
WPWKR	did you have the opportunity to work past retirement age
Wave 8 Core:	
WPDES	best description of current situation
WPERET	whether took early retirement
WPREAMNO	reasons for taking early retirement: spontaneous: does n
WPRRMAG	reasons for retiring: reached retirement age (merged)
WPRRMRE	reasons for retiring: made redundant/dismissed/had no ch
WPWKR	whether had the opportunity to work past retirement age
Wave 9 Core:	
WPDES	Best description of current situation
WPERET	Whether took early retirement
WPREAMNO	Reasons for taking early retirement: spontaneous: does n
WPRRMAG	Reasons for retiring: reached retirement age (merged)
WPRRMRE	Reasons for retiring: made redundant/dismissed/had no ch
WPWKR	Whether had the opportunity to work past retirement age

**Compulsory and Preferred Retirement Age**

Wave	Variable	Label	Type
2	R2CRETAGE	r2cretage:w2 R compulsory retirement age	Cont
3	R3CRETAGE	r3cretage:w3 R compulsory retirement age	Cont
4	R4CRETAGE	r4cretage:w4 R compulsory retirement age	Cont
5	R5CRETAGE	r5cretage:w5 R compulsory retirement age	Cont
6	R6CRETAGE	r6cretage:w6 R compulsory retirement age	Cont
7	R7CRETAGE	r7cretage:w7 R compulsory retirement age	Cont
2	S2CRETAGE	s2cretage:w2 S compulsory retirement age	Cont
3	S3CRETAGE	s3cretage:w3 S compulsory retirement age	Cont
4	S4CRETAGE	s4cretage:w4 S compulsory retirement age	Cont
5	S5CRETAGE	s5cretage:w5 S compulsory retirement age	Cont
6	S6CRETAGE	s6cretage:w6 S compulsory retirement age	Cont
7	S7CRETAGE	s7cretage:w7 S compulsory retirement age	Cont
2	R2WRETAGE	r2wretage:w2 age R wants to retire	Cont
3	R3WRETAGE	r3wretage:w3 age R wants to retire	Cont
4	R4WRETAGE	r4wretage:w4 age R wants to retire	Cont
5	R5WRETAGE	r5wretage:w5 age R wants to retire	Cont
6	R6WRETAGE	r6wretage:w6 age R wants to retire	Cont
7	R7WRETAGE	r7wretage:w7 age R wants to retire	Cont
8	R8WRETAGE	r8wretage:w8 age R wants to retire	Cont
2	S2WRETAGE	s2wretage:w2 age S wants to retire	Cont
3	S3WRETAGE	s3wretage:w3 age S wants to retire	Cont
4	S4WRETAGE	s4wretage:w4 age S wants to retire	Cont
5	S5WRETAGE	s5wretage:w5 age S wants to retire	Cont
6	S6WRETAGE	s6wretage:w6 age S wants to retire	Cont
7	S7WRETAGE	s7wretage:w7 age S wants to retire	Cont
8	S8WRETAGE	s8wretage:w8 age S wants to retire	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R2CRETAGE	980	64.36	2.41	55.00	75.00
R3CRETAGE	978	64.47	2.21	60.00	80.00
R4CRETAGE	836	64.84	1.93	60.00	75.00
R5CRETAGE	548	64.99	1.88	60.00	75.00
R6CRETAGE	266	65.40	2.32	55.00	75.00
R7CRETAGE	175	65.85	2.99	55.00	75.00
S2CRETAGE	787	64.34	2.39	55.00	75.00
S3CRETAGE	791	64.44	2.19	60.00	80.00
S4CRETAGE	654	64.82	1.90	60.00	75.00
S5CRETAGE	433	64.99	1.91	60.00	75.00
S6CRETAGE	190	65.45	2.51	55.00	75.00
S7CRETAGE	130	65.80	3.30	55.00	75.00
R2WRETAGE	2472	62.20	5.32	25.00	124.00
R3WRETAGE	2845	62.25	5.49	34.00	110.00
R4WRETAGE	3120	63.11	5.73	40.00	101.00
R5WRETAGE	2481	64.04	7.59	20.00	120.00
R6WRETAGE	2547	64.34	9.19	30.00	120.00
R7WRETAGE	2289	64.09	6.10	20.00	110.00
R8WRETAGE	1668	66.14	10.69	35.00	120.00
S2WRETAGE	1993	61.93	5.14	25.00	100.00



S3WRETAGE	2305	61.98	5.34	34.00	110.00
S4WRETAGE	2509	62.85	5.50	40.00	101.00
S5WRETAGE	1990	63.72	7.15	20.00	120.00
S6WRETAGE	2012	64.18	9.21	30.00	120.00
S7WRETAGE	1800	63.91	6.21	20.00	110.00
S8WRETAGE	1288	65.85	10.46	35.00	120.00

## How Constructed

RwCRETAGE indicates the compulsory retirement age at the respondent's current job, and is available in Waves 2 through 7. If the respondent is working for an employer, then they are asked whether there is a compulsory retirement age at their current job, and if so, what the compulsory retirement age is. RwCRETAGE takes the value of the age reported. RwCRETAGE is assigned special missings .e and .s if this question is not asked because the respondent is not an employee or is self-employed, respectively. RwCRETAGE is assigned special missing .a if there is no compulsory retirement age at the respondent's current job. Don't know, refused, or other missing responses of RwCRETAGE are assigned special missing codes .d, .r, .m, respectively. RwCRETAGE is set to plain missing (.) for respondents who did not respond to the current wave.

RwWRETAGE indicates the age at which the respondent would like to retire, and is available in Waves 2 through 8 in the self-completion questionnaire. RwWRETAGE takes the value of the age reported. RwWRETAGE is assigned special missing .w if this question is not asked because the respondent reports not being in paid employment last month or reports being retired. RwWRETAGE is assigned special missing .c if the self-completion questionnaire was not completed or returned. RwWRETAGE is assigned special missing .i if the age reported was under age 18 or over the age of 129. Starting in Wave 4, RwWRETAGE is assigned special missing .n if the respondent reports that they never want to retire. Don't know, refused, or other missing responses of RwWRETAGE are assigned special missing codes .d, .r, .m, respectively. RwWRETAGE is set to plain missing (.) for respondents who did not respond to the current wave.

SwCRETAGE and SwWRETAGE indicate the compulsory retirement age and the age at which the respondent's current wave's spouse would like to retire, and their values are taken from RwCRETAGE and RwWRETAGE. In addition to the special missing codes used in RwCRETAGE and RwWRETAGE, SwCRETAGE and SwWRETAGE employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Respondents are not asked their current job's compulsory retirement age in Wave 1 or from Wave 8 onwards.

Respondents are not asked what age they would like to retire in Wave 1 and from Wave 9 onwards. Starting in Wave 4, respondents can report that they never want to retire.

## Differences with the RAND HRS/Harmonized HRS

The HRS asks for the usual retirement age for a similar job and when the respondent plans to stop working. These are not strictly comparable to the concepts captured in RwCRETAGE and RwWRETAGE in the Harmonized ELSA.

## ELSA Variables Used

### Index File:

OUTSCW2	wave 2 self-completion outcome
OUTSCW3	wave 3 core self-completion outcome
OUTSCW4	outcome of wave 4 core self completion questionnaire
OUTSCW5	outcome of core wave 5 self-completion questionnaire

### Wave 2 Core:

SCEMPL	Whether respondent was in paid employment last month
SCRTAGE	The age the respondent would like to retire
WPACT1	Activities during the last month (1st mention)
WPCRAGE	Compulsory retirement age
WPCRET	Is there a compulsory retirement age at your current job

	Best description of current situation
WPDES	
Wave 3 Core:	
SCEMPL	whether respondent was in paid employment last month
SCRAGE	the age the respondent would like to retire
WPACTW	derived: prioritised value for work status in last month
WPCRAGE	what is the compulsory retirement age?
WPCRET	is there a compulsory retirement age at your current job
WPES	derived: employee or self-employed
Wave 4 Core:	
SCEMPL	whether respondent was in paid employment last month
SCRAGE	the age the respondent would like to retire
WPACTW	derived: prioritised value for work status in last month
WPCRAGE	what is the compulsory retirement age?
WPCRET	is there a compulsory retirement age at your current job
WPES	derived: employee or self-employed
Wave 5 Core:	
SCEMPL	Whether respondent was in paid employment last month
SCRAGE	The age the respondent would like to retire
WPACTW	Derived: prioritised value for work status in last month
WPCRAGE	What is the compulsory retirement age?
WPCRET	Is there a compulsory retirement age at your current job
WPES	Derived: employee or self-employed
Wave 6 Core:	
SCEMPL	whether respondent was in paid employment last month
SCRAGE	the age the respondent would like to retire
W6SCWT	wave 6 main self-completion weight
WPACTW	derived: prioritised value for work status in last month
WPCRAGE	what is the compulsory retirement age?
WPCRET	is there a compulsory retirement age at your current job
WPES	derived: employee or self-employed
Wave 7 Core:	
SCEMPL	whether respondent was in paid employment last month
SCRAGE	the age the respondent would like to retire
W7SCWT	wave 7 main self-completion weight
WPACTW	derived: prioritised value for work status in last month
WPCRAGE	what is the compulsory retirement age?
WPCRET	is there a compulsory retirement age at your current job
WPES	derived: employee or self-employed
Wave 8 Core:	
SCEMPL	whether in paid employment last month
SCRAGE	the age at which respondent would like to retire
W8SCWT	wave 8 main self-completion weight
WPACTW	computed: prioritised single coded version of the work v
WPES	computed: employee or self-employed

<b>Expected Retirement Year</b>
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Wave Variable	Label	Type
9 R9RPLNYA	r9rplnya:w9 R expected retirement year	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R9RPLNYA	2230	2026.61	6.73	2017.00	2077.00

### How Constructed

RwRPLNYA is the year in which the respondent expects to retire if they report being employed, self-employed, unemployed, or semi-retired. This information is derived from the birth year of the respondent and the direct question in the Work and Pensions Module of the ELSA Questionnaire that asks the respondent at what age he/she expects to retire. Don't know, refused, or missing responses of RwRPLNYA are assigned special missing codes .d, .r, or .m, respectively. A special missing code .w is assigned for individuals who are either already retired, permanently sick or disabled, looking after their home or family, or reported an "other" or irrelevant employment status. RwRPLNYA is set to plain missing (.) if the respondent did not participate in the current wave.

SwRPLNYA is the year in which the respondent's current wave's spouse expects to retire, and its values are taken from RwRPLNYA. In addition to the special missing values used in RwRPLNYA, SwRPLNYA employs two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in ELSA

RwRPLNYA is available only in Wave 9.

### Differences with the RAND HRS/Harmonized HRS

In RAND HRS, RwRPLNYA is derived from the questions that record when the Respondent thinks they will retire and when they think they will stop working. In ELSA, the variable RwRPLNYA records the year in which the Respondent expects to retire and is constructed from the expected retirement age and the Respondent's birth year.

### ELSA Variables Used

Wave 9 Core:	
WPDES	Best description of current situation
WPRETEX	At what age do you expect to retire

<b>Self-Reported Probability of Living to a Specific Age</b>
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Wave	Variable	Label	Type
1	R1LIV10	r1liv10:w1 R probability of living to 75-120	Cont
2	R2LIV10	r2liv10:w2 R probability of living to 75-120	Cont
3	R3LIV10	r3liv10:w3 R probability of living to 75-120	Cont
4	R4LIV10	r4liv10:w4 R probability of living to 75-120	Cont
5	R5LIV10	r5liv10:w5 R probability of living to 75-120	Cont
6	R6LIV10	r6liv10:w6 R probability of living to 75-120	Cont
7	R7LIV10	r7liv10:w7 R probability of living to 75-120	Cont
8	R8LIV10	r8liv10:w8 R probability of living to 75-120	Cont
9	R9LIV10	r9liv10:w9 R probability of living to 75-120	Cont
1	S1LIV10	s1liv10:w1 S probability of living to 75-120	Cont
2	S2LIV10	s2liv10:w2 S probability of living to 75-120	Cont
3	S3LIV10	s3liv10:w3 S probability of living to 75-120	Cont
4	S4LIV10	s4liv10:w4 S probability of living to 75-120	Cont
5	S5LIV10	s5liv10:w5 S probability of living to 75-120	Cont
6	S6LIV10	s6liv10:w6 S probability of living to 75-120	Cont
7	S7LIV10	s7liv10:w7 S probability of living to 75-120	Cont
8	S8LIV10	s8liv10:w8 S probability of living to 75-120	Cont
9	S9LIV10	s9liv10:w9 S probability of living to 75-120	Cont
1	R1LIV10A	r1liv10a:w1 R age used in live 75-120	Cont
2	R2LIV10A	r2liv10a:w2 R age used in live 75-120	Cont
3	R3LIV10A	r3liv10a:w3 R age used in live 75-120	Cont
4	R4LIV10A	r4liv10a:w4 R age used in live 75-120	Cont
5	R5LIV10A	r5liv10a:w5 R age used in live 75-120	Cont
6	R6LIV10A	r6liv10a:w6 R age used in live 75-120	Cont
7	R7LIV10A	r7liv10a:w7 R age used in live 75-120	Cont
8	R8LIV10A	r8liv10a:w8 R age used in live 75-120	Cont
9	R9LIV10A	r9liv10a:w9 R age used in live 75-120	Cont
1	S1LIV10A	s1liv10a:w1 S age used in live 75-120	Cont
2	S2LIV10A	s2liv10a:w2 S age used in live 75-120	Cont
3	S3LIV10A	s3liv10a:w3 S age used in live 75-120	Cont
4	S4LIV10A	s4liv10a:w4 S age used in live 75-120	Cont
5	S5LIV10A	s5liv10a:w5 S age used in live 75-120	Cont
6	S6LIV10A	s6liv10a:w6 S age used in live 75-120	Cont
7	S7LIV10A	s7liv10a:w7 S age used in live 75-120	Cont
8	S8LIV10A	s8liv10a:w8 S age used in live 75-120	Cont
9	S9LIV10A	s9liv10a:w9 S age used in live 75-120	Cont
3	R3LIV85	r3liv85:w3 R probability of living to age 85	Cont
4	R4LIV85	r4liv85:w4 R probability of living to age 85	Cont
5	R5LIV85	r5liv85:w5 R probability of living to age 85	Cont
6	R6LIV85	r6liv85:w6 R probability of living to age 85	Cont
7	R7LIV85	r7liv85:w7 R probability of living to age 85	Cont
8	R8LIV85	r8liv85:w8 R probability of living to age 85	Cont
9	R9LIV85	r9liv85:w9 R probability of living to age 85	Cont
3	S3LIV85	s3liv85:w3 S probability of living to age 85	Cont
4	S4LIV85	s4liv85:w4 S probability of living to age 85	Cont
5	S5LIV85	s5liv85:w5 S probability of living to age 85	Cont
6	S6LIV85	s6liv85:w6 S probability of living to age 85	Cont
7	S7LIV85	s7liv85:w7 S probability of living to age 85	Cont
8	S8LIV85	s8liv85:w8 S probability of living to age 85	Cont
9	S9LIV85	s9liv85:w9 S probability of living to age 85	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIV10	11502	56.40	28.32	0.00	100.00
R2LIV10	9111	57.40	27.66	0.00	100.00
R3LIV10	9367	58.24	27.29	0.00	100.00
R4LIV10	10421	58.85	27.42	0.00	100.00
R5LIV10	9536	59.98	26.42	0.00	100.00
R6LIV10	9754	58.84	27.52	0.00	100.00
R7LIV10	8873	59.26	27.17	0.00	100.00
R8LIV10	7842	58.44	27.51	0.00	100.00
R9LIV10	8058	58.97	27.45	0.00	100.00
S1LIV10	7705	58.96	26.63	0.00	100.00
S2LIV10	5985	59.78	25.93	0.00	100.00
S3LIV10	6144	61.33	25.19	0.00	100.00
S4LIV10	6968	61.61	25.75	0.00	100.00
S5LIV10	6436	62.49	24.78	0.00	100.00
S6LIV10	6628	60.89	26.28	0.00	100.00
S7LIV10	5965	61.59	25.83	0.00	100.00
S8LIV10	5229	60.93	26.21	0.00	100.00
S9LIV10	5282	60.95	26.36	0.00	100.00
R1LIV10A	12004	80.25	7.33	75.00	100.00
R2LIV10A	9432	81.07	7.76	75.00	100.00
R3LIV10A	9766	80.67	7.84	75.00	100.00
R4LIV10A	11050	80.54	7.59	75.00	100.00
R5LIV10A	10274	80.85	7.50	75.00	100.00
R6LIV10A	10601	80.81	7.47	75.00	100.00
R7LIV10A	9666	81.38	7.57	75.00	100.00
R8LIV10A	8445	82.25	7.72	75.00	100.00
R9LIV10A	8736	82.25	7.89	75.00	100.00
S1LIV10A	8060	78.89	6.22	75.00	100.00
S2LIV10A	6178	79.49	6.58	75.00	100.00
S3LIV10A	6384	79.03	6.47	75.00	100.00
S4LIV10A	7402	79.18	6.42	75.00	100.00
S5LIV10A	6964	79.74	6.63	75.00	100.00
S6LIV10A	7242	79.84	6.72	75.00	100.00
S7LIV10A	6560	80.40	6.87	75.00	100.00
S8LIV10A	5688	81.31	7.07	75.00	100.00
S9LIV10A	5820	81.39	7.28	75.00	100.00
R3LIV85	6372	48.52	25.85	0.00	100.00
R4LIV85	7043	49.56	25.81	0.00	100.00
R5LIV85	6125	52.34	25.12	0.00	100.00
R6LIV85	6334	49.38	26.55	0.00	100.00
R7LIV85	5465	52.20	25.99	0.00	100.00
R8LIV85	4425	52.77	25.98	0.00	100.00
R9LIV85	4509	53.27	25.61	0.00	100.00
S3LIV85	4650	49.55	25.25	0.00	100.00
S4LIV85	5157	50.46	25.24	0.00	100.00
S5LIV85	4547	53.24	24.43	0.00	100.00
S6LIV85	4698	50.06	25.83	0.00	100.00
S7LIV85	4024	53.29	25.37	0.00	100.00
S8LIV85	3232	54.02	25.22	0.00	100.00
S9LIV85	3196	54.24	24.76	0.00	100.00

**How Constructed**

RwLIV10 is the self-reported probability of living to 75 if the respondent is under 65; probability of living to 80 if the respondent is aged 66 to 69; probability of living to 85 if the respondent is aged 70-74; probability of living to 90 if the respondent is aged 75-79; probability of living to 95 if the respondent is aged 80-84; probability of living to 100 if the respondent is aged 85-99; probability of living to 105 if the respondent is aged 100-104; probability of living to 110 if the respondent is aged 105-109 and probability of living to 120 if the respondent is aged 110-119. Respondents were asked to report the probability from 0 to 100. Because respondent's age is top-coded at 90 years old, all respondents who report an age of 90 or older are assigned special missing value .t for RwLIV10, as it is not possible to identify the age that was asked to the respondent for RwLIV10. Don't know, refused, or other missing responses of RwLIV10 are assigned special missing codes .d, .r, .m, respectively. RwLIV10 is set to special missing .p if the questions were skipped because the interview was by proxy.

RwLIV10A identifies the age that was asked to the respondent for RwLIV10. RwLIV10 and RwLIV10A are set to plain missing (.) for respondents who did not respond to the current wave.

SwLIV10 is the current wave's spouse's self-reported probability of living to a specific age given their current age. SwLIV10A is the age that was asked to the current wave's spouse for SwLIV10. In addition to the special missing codes used in RwLIV10 and RwLIV10A, SwLIV10 and SwLIV10A employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLIV85 is the self-reported probability of living to age 85. Respondents were asked to report the probability from 0 to 100. This question is only asked to respondents who are younger than 70 years old and reported a probability greater than 0 in RwLIV10. Respondents who are younger than 70 and reported a 0 probability in RwLIV10 are assigned a 0 value in RwLIV85. RwLIV85 is set to special missing .i if the respondent is 70 years or older and was not asked this question. Don't know, refused, or other missing responses of RwLIV85 are assigned special missing codes .d, .r, .m, respectively. RwLIV85 is set to special missing .p if the questions were skipped because the interview was by proxy. RwLIV85 is set to plain missing (.) for respondents who did not respond to the current wave.

SwLIV85 is the current wave's spouse's self-reported probability of living to age 85. In addition to the special missing codes used in RwLIV85, SwLIV85 employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

The self-reported probability of living to age 85 is not asked in Waves 1 and 2.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS which only asked the self-reported probability of living to age 85 in Waves 1-4, in ELSA the self-reported probability of living to age 85 is asked in all waves after Wave 2. ELSA uses a different set of ages to measure the probability of living to a specific age than the HRS. In particular, the ages used by ELSA range from 75-120 while the ages used in the HRS range from 80-100.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
EXLO80	what are the chances that you will live to be [75/80/85/
INDAGER	age variable combined info from hh grid and individual d

### Wave 2 Core:

ASKPX1	Whether interviewed by proxy
EXLO80	Expectation (%) that they will live to [age] [depends on
INDAGER	Definitive age variable collapsed at 90 plus. Priority:

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
EXLO80	expectation (%) that they will live to [age] [depends on
EXLO90	expectation (%) that they will live to 85 years or more

INDAGER definitive age variable collapsed at 90 plus. priority:  
Wave 4 Core:  
ASKPX whether respondent had an interview by proxy  
EXLO80 expectation (%) that they will live to [age] [depends on  
EXLO90 expectation (%) that they will live to be 85 years old o  
INDAGER definitive age variable collapsed at 90 plus. priority:  
Wave 5 Core:  
ASKPX Whether respondent had an interview by proxy  
EXLO80 Expectation (%) that they will live to [age] [depends on  
EXLO90 Expectation (%) that they will live to be 85 years old o  
INDAGER Definitive age variable collapsed at 90+ to avoid disclo  
Wave 6 Core:  
ASKPX whether respondent had an interview by proxy  
EXLO80 expectation (%) that they will live to [age] [depends on  
EXLO90 expectation (%) that they will live to be 85 years old o  
INDAGER definitive age variable collapsed at 90+ to avoid disclo  
Wave 7 Core:  
ASKPX whether respondent had an interview by proxy  
EXLO80 expectation (%) that they will live to [age] [depends on  
EXLO90 expectation (%) that they will live to be 85 years old o  
INDAGER definitive age variable collapsed at 90+ to avoid disclo  
Wave 8 Core:  
ASKPX computed: whether respondent had an interview by proxy  
EXLO80 expectation (%) that will live to [age] [depends on curr  
EXLO90 expectation (%) that will live to be 85 years old or mor  
INDAGER (d) definitive age variable collapsed at 90+: priority d  
Wave 9 Core:  
ASKPX Computed: whether respondent had an interview by proxy  
EXLO80 Expectation (%) that will live to [age] [depends on curr  
EXLO90 Expectation (%) that will live to be 85 years old or mor  
INDAGER (D) Definitive age variable collapsed at 90+: priority d

### Self-Reported Probability of Receiving an Inheritance

Wave	Variable	Label	Type
1	R1INHER	r1inher:w1 R probability of receiving an inheritance	Cont
2	R2INHER	r2inher:w2 R probability of receiving an inheritance	Cont
3	R3INHER	r3inher:w3 R probability of receiving an inheritance	Cont
4	R4INHER	r4inher:w4 R probability of receiving an inheritance	Cont
5	R5INHER	r5inher:w5 R probability of receiving an inheritance	Cont
6	R6INHER	r6inher:w6 R probability of receiving an inheritance	Cont
7	R7INHER	r7inher:w7 R probability of receiving an inheritance	Cont
8	R8INHER	r8inher:w8 R probability of receiving an inheritance	Cont
9	R9INHER	r9inher:w9 R probability of receiving an inheritance	Cont
1	S1INHER	s1inher:w1 S probability of receiving an inheritance	Cont
2	S2INHER	s2inher:w2 S probability of receiving an inheritance	Cont
3	S3INHER	s3inher:w3 S probability of receiving an inheritance	Cont
4	S4INHER	s4inher:w4 S probability of receiving an inheritance	Cont
5	S5INHER	s5inher:w5 S probability of receiving an inheritance	Cont
6	S6INHER	s6inher:w6 S probability of receiving an inheritance	Cont
7	S7INHER	s7inher:w7 S probability of receiving an inheritance	Cont
8	S8INHER	s8inher:w8 S probability of receiving an inheritance	Cont
9	S9INHER	s9inher:w9 S probability of receiving an inheritance	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1INHER	11614	17.62	31.02	0.00	100.00
R2INHER	9171	16.77	30.24	0.00	100.00
R3INHER	7480	23.62	34.07	0.00	100.00
R4INHER	8502	22.70	34.04	0.00	100.00
R5INHER	7496	22.92	33.72	0.00	100.00
R6INHER	7591	23.29	34.39	0.00	100.00
R7INHER	6725	23.48	34.26	0.00	100.00
R8INHER	5729	21.38	33.40	0.00	100.00
R9INHER	5954	24.37	34.62	0.00	100.00
S1INHER	7735	20.52	32.63	0.00	100.00
S2INHER	5996	19.37	31.74	0.00	100.00
S3INHER	5334	26.08	34.92	0.00	100.00
S4INHER	6068	24.40	34.68	0.00	100.00
S5INHER	5449	24.61	34.51	0.00	100.00
S6INHER	5548	24.65	35.00	0.00	100.00
S7INHER	4874	24.42	34.58	0.00	100.00
S8INHER	4146	22.50	33.94	0.00	100.00
S9INHER	4190	25.55	35.27	0.00	100.00

### How Constructed

RwINHER is the self-reported probability of receiving an inheritance during the next 10 years. Respondents were asked to report the probability from 0 to 100. Don't know, refused, or other missing responses of RwINHER are assigned special missing codes .d, .r, .m respectively. RwINHER is set to special missing .p if the question was skipped because the interview was by proxy. Starting in Wave 3, RwINHER is set to special missing .i if the respondent was not asked the question due to a skip pattern which skipped this question for respondents older than 75. RwINHER is set to plain missing (.) for respondents who did not respond to the current wave.

SwINHER is the current wave's spouse's self-reported probability of receiving an inheritance during the next 10 years. In addition to the special missing codes used in RwINHER, SwINHER employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being



coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Starting in Wave 3, ELSA only asked the self-reported probability of receiving an inheritance if the respondent was younger than 75 years old.

## Differences with the RAND HRS/Harmonized HRS

The self-reported probability of receiving an inheritance was asked to all respondents in HRS, regardless of age.

This question is dropped after HRS Wave 9.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1 whether interviewed by proxy  
 EXAINH including property and valuables, what are the chances t  
 INDAGER age variable combined info from hh grid and individual d

### Wave 2 Core:

ASKPX1 Whether interviewed by proxy  
 EXAINH Expectation (%) that they will receive inheritance durin  
 INDAGER Definitive age variable collapsed at 90 plus. Priority:

### Wave 3 Core:

ASKPX whether respondent had a proxy interview  
 EXAINH expectation (%) that they will receive inheritance durin  
 INDAGER definitive age variable collapsed at 90 plus. priority:

### Wave 4 Core:

ASKPX whether respondent had an interview by proxy  
 EXAINH expectation (%) that they will receive inheritance durin  
 INDAGER definitive age variable collapsed at 90 plus. priority:

### Wave 5 Core:

ASKPX Whether respondent had an interview by proxy  
 EXAINH Expectation (%) that they will receive inheritance durin  
 INDAGER Definitive age variable collapsed at 90+ to avoid disclo

### Wave 6 Core:

ASKPX whether respondent had an interview by proxy  
 EXAINH expectation (%) that they will receive inheritance durin  
 INDAGER definitive age variable collapsed at 90+ to avoid disclo

### Wave 7 Core:

ASKPX whether respondent had an interview by proxy  
 EXAINH expectation (%) that they will receive inheritance durin  
 INDAGER definitive age variable collapsed at 90+ to avoid disclo

### Wave 8 Core:

ASKPX computed: whether respondent had an interview by proxy  
 EXAINH expectation (%) that will receive inheritance during nex  
 INDAGER (d) definitive age variable collapsed at 90+: priority d

### Wave 9 Core:

ASKPX Computed: whether respondent had an interview by proxy  
 EXAINH Expectation (%) that will receive inheritance during nex  
 INDAGER (D) Definitive age variable collapsed at 90+: priority d

### Self-Reported Probability of Leaving a Bequest

Wave	Variable	Label	Type
1	R1BEQ50P	r1beq50p:w1 R probability of leaving bequest 50K+	Cont
2	R2BEQ50P	r2beq50p:w2 R probability of leaving bequest 50K+	Cont
3	R3BEQ50P	r3beq50p:w3 R probability of leaving bequest 50K+	Cont
4	R4BEQ50P	r4beq50p:w4 R probability of leaving bequest 50K+	Cont
5	R5BEQ50P	r5beq50p:w5 R probability of leaving bequest 50K+	Cont
6	R6BEQ50P	r6beq50p:w6 R probability of leaving bequest 50K+	Cont
7	R7BEQ50P	r7beq50p:w7 R probability of leaving bequest 50K+	Cont
8	R8BEQ50P	r8beq50p:w8 R probability of leaving bequest 50K+	Cont
9	R9BEQ50P	r9beq50p:w9 R probability of leaving bequest 50K+	Cont
1	S1BEQ50P	s1beq50p:w1 S probability of leaving bequest 50K+	Cont
2	S2BEQ50P	s2beq50p:w2 S probability of leaving bequest 50K+	Cont
3	S3BEQ50P	s3beq50p:w3 S probability of leaving bequest 50K+	Cont
4	S4BEQ50P	s4beq50p:w4 S probability of leaving bequest 50K+	Cont
5	S5BEQ50P	s5beq50p:w5 S probability of leaving bequest 50K+	Cont
6	S6BEQ50P	s6beq50p:w6 S probability of leaving bequest 50K+	Cont
7	S7BEQ50P	s7beq50p:w7 S probability of leaving bequest 50K+	Cont
8	S8BEQ50P	s8beq50p:w8 S probability of leaving bequest 50K+	Cont
9	S9BEQ50P	s9beq50p:w9 S probability of leaving bequest 50K+	Cont
1	R1BEQ150P	r1beq150p:w1 R probability of leaving bequest 150K+	Cont
2	R2BEQ150P	r2beq150p:w2 R probability of leaving bequest 150K+	Cont
3	R3BEQ150P	r3beq150p:w3 R probability of leaving bequest 150K+	Cont
4	R4BEQ150P	r4beq150p:w4 R probability of leaving bequest 150K+	Cont
5	R5BEQ150P	r5beq150p:w5 R probability of leaving bequest 150K+	Cont
6	R6BEQ150P	r6beq150p:w6 R probability of leaving bequest 150K+	Cont
7	R7BEQ150P	r7beq150p:w7 R probability of leaving bequest 150K+	Cont
8	R8BEQ150P	r8beq150p:w8 R probability of leaving bequest 150K+	Cont
9	R9BEQ150P	r9beq150p:w9 R probability of leaving bequest 150K+	Cont
1	S1BEQ150P	s1beq150p:w1 S probability of leaving bequest 150K+	Cont
2	S2BEQ150P	s2beq150p:w2 S probability of leaving bequest 150K+	Cont
3	S3BEQ150P	s3beq150p:w3 S probability of leaving bequest 150K+	Cont
4	S4BEQ150P	s4beq150p:w4 S probability of leaving bequest 150K+	Cont
5	S5BEQ150P	s5beq150p:w5 S probability of leaving bequest 150K+	Cont
6	S6BEQ150P	s6beq150p:w6 S probability of leaving bequest 150K+	Cont
7	S7BEQ150P	s7beq150p:w7 S probability of leaving bequest 150K+	Cont
8	S8BEQ150P	s8beq150p:w8 S probability of leaving bequest 150K+	Cont
9	S9BEQ150P	s9beq150p:w9 S probability of leaving bequest 150K+	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BEQ50P	11539	64.36	41.34	0.00	100.00
R2BEQ50P	9129	68.87	39.50	0.00	100.00
R3BEQ50P	9325	71.02	38.33	0.00	100.00
R4BEQ50P	10381	71.52	37.81	0.00	100.00
R5BEQ50P	9540	71.44	37.11	0.00	100.00
R6BEQ50P	9756	71.22	37.36	0.00	100.00
R7BEQ50P	8862	71.27	37.38	0.00	100.00
R8BEQ50P	7843	72.23	36.85	0.00	100.00
R9BEQ50P	8035	72.95	36.49	0.00	100.00
S1BEQ50P	7697	70.87	38.04	0.00	100.00
S2BEQ50P	5967	75.45	35.17	0.00	100.00
S3BEQ50P	6106	77.21	33.75	0.00	100.00

S4BEQ50P	6937	77.26	33.38	0.00	100.00
S5BEQ50P	6436	77.08	32.69	0.00	100.00
S6BEQ50P	6614	76.65	33.06	0.00	100.00
S7BEQ50P	5948	76.17	33.64	0.00	100.00
S8BEQ50P	5227	77.11	32.92	0.00	100.00
S9BEQ50P	5264	78.08	32.16	0.00	100.00
R1BEQ150P	11437	39.91	42.44	0.00	100.00
R2BEQ150P	9055	51.26	42.93	0.00	100.00
R3BEQ150P	9254	56.43	42.26	0.00	100.00
R4BEQ150P	10330	56.65	41.65	0.00	100.00
R5BEQ150P	9486	56.13	41.04	0.00	100.00
R6BEQ150P	9681	54.10	41.46	0.00	100.00
R7BEQ150P	8807	55.79	41.47	0.00	100.00
R8BEQ150P	7798	58.24	41.25	0.00	100.00
R9BEQ150P	7990	59.78	40.84	0.00	100.00
S1BEQ150P	7635	45.93	42.59	0.00	100.00
S2BEQ150P	5925	58.44	41.23	0.00	100.00
S3BEQ150P	6067	63.68	39.77	0.00	100.00
S4BEQ150P	6909	63.06	39.29	0.00	100.00
S5BEQ150P	6405	62.20	38.83	0.00	100.00
S6BEQ150P	6571	59.78	39.49	0.00	100.00
S7BEQ150P	5922	61.11	39.47	0.00	100.00
S8BEQ150P	5204	63.61	39.01	0.00	100.00
S9BEQ150P	5235	64.91	38.42	0.00	100.00

## How Constructed

RwBEQ50P and RwBEQ150P are self-reported probabilities that the respondent will leave a bequest. Respondents were asked to report the probability from 0 to 100. RwBEQ50P indicates the probability that the respondent will leave a bequest of 50,000 pounds or more. If the respondent reported a probability greater than 0, the respondent is then asked the probability of leaving 150,000 pounds or more. RwBEQ150P indicates the probability that the respondent will leave a bequest of 150,000 pounds or more. If the respondent was not asked whether they would leave 150,000 pounds because they reported a 0 probability of leaving 50,000 pounds, he/she is assigned a 0 value for RwBEQ150P. Don't know, refused, or other missing responses of RwBEQ50P and RwBEQ150P are assigned special missing codes .d, .r, .m, respectively. RwBEQ50P and RwBEQ150P are set to special missing .p if the questions were skipped because the interview was by proxy. RwBEQ50P and RwBEQ150P are set to plain missing (.) for respondents who did not respond to the current wave.

SwBEQ50P and SwBEQ150P are the current wave's spouse's self-reported probabilities of leaving a bequest in the next 10 years. In addition to the special missing codes used in RwBEQ50P and RwBEQ150P, SwBEQ50P and SwBEQ150P employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Unlike the HRS, ELSA asks bequest amounts using the British pound, rather than the U.S. dollar.

## ELSA Variables Used

Wave 1 Core:

ASKPX1	whether interviewed by proxy
EXCIN	including property and other valuables that you [and you
EXCPIN	what are the chances that you [and your husband/wife/par

Wave 2 Core:

ASKPX1	Whether interviewed by proxy
EXCIN	Expectation (%) that they [& partner] will leave inherit
EXCPIN	Expectation (%) that they [& partner] will leave inherit
Wave 3 Core:	
ASKPX	whether respondent had a proxy interview
EXCIN	expectation (%) that they [& partner] will leave inherit
EXCPIN	expectation (%) that they [& partner] will leave inherit
Wave 4 Core:	
ASKPX	whether respondent had an interview by proxy
EXCIN	expectation (%) that they [& partner] will leave inherit
EXCPIN	expectation (%) that they [& partner] will leave inherit
Wave 5 Core:	
ASKPX	Whether respondent had an interview by proxy
EXCIN	Expectation (%) that they [& partner] will leave inherit
EXCPIN	Expectation (%) that they [& partner] will leave inherit
Wave 6 Core:	
ASKPX	whether respondent had an interview by proxy
EXCIN	expectation (%) that they [& partner] will leave inherit
EXCPIN	expectation (%) that they [& partner] will leave inherit
Wave 7 Core:	
ASKPX	whether respondent had an interview by proxy
EXCIN	expectation (%) that they [& partner] will leave inherit
EXCPIN	expectation (%) that they [& partner] will leave inherit
Wave 8 Core:	
ASKPX	computed: whether respondent had an interview by proxy
EXCIN	expectation (%) that they [& partner] will leave inherit
EXCPIN	expectation (%) that they [& partner] will leave inherit
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy
EXCIN	Expectation (%) that they [& partner] will leave inherit
EXCPIN	Expectation (%) that they [& partner] will leave inherit

<b>Self -Reported Probability of Working Full-Time After a Specific Age</b>
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Wave	Variable	Label	Type
1	R1WORKAT	r1workat:w1 R probability of working full time after age	Cont
2	R2WORKAT	r2workat:w2 R probability of working full time after age	Cont
3	R3WORKAT	r3workat:w3 R probability of working full time after age	Cont
4	R4WORKAT	r4workat:w4 R probability of working full time after age	Cont
5	R5WORKAT	r5workat:w5 R probability of working full time after age	Cont
6	R6WORKAT	r6workat:w6 R probability of working full time after age	Cont
7	R7WORKAT	r7workat:w7 R probability of working full time after age	Cont
8	R8WORKAT	r8workat:w8 R probability of working full time after age	Cont
9	R9WORKAT	r9workat:w9 R probability of working full time after age	Cont
1	S1WORKAT	s1workat:w1 S probability of working full time after age	Cont
2	S2WORKAT	s2workat:w2 S probability of working full time after age	Cont
3	S3WORKAT	s3workat:w3 S probability of working full time after age	Cont
4	S4WORKAT	s4workat:w4 S probability of working full time after age	Cont
5	S5WORKAT	s5workat:w5 S probability of working full time after age	Cont
6	S6WORKAT	s6workat:w6 S probability of working full time after age	Cont
7	S7WORKAT	s7workat:w7 S probability of working full time after age	Cont
8	S8WORKAT	s8workat:w8 S probability of working full time after age	Cont
9	S9WORKAT	s9workat:w9 S probability of working full time after age	Cont
1	R1WORKATA	r1workata:w1 R age used in probability of working full time	Cont
2	R2WORKATA	r2workata:w2 R age used in probability of working full time	Cont
3	R3WORKATA	r3workata:w3 R age used in probability of working full time	Cont
4	R4WORKATA	r4workata:w4 R age used in probability of working full time	Cont
5	R5WORKATA	r5workata:w5 R age used in probability of working full time	Cont
6	R6WORKATA	r6workata:w6 R age used in probability of working full time	Cont
7	R7WORKATA	r7workata:w7 R age used in probability of working full time	Cont
8	R8WORKATA	r8workata:w8 R age used in probability of working full time	Cont
9	R9WORKATA	r9workata:w9 R age used in probability of working full time	Cont
1	S1WORKATA	s1workata:w1 S age used in probability of working full time	Cont
2	S2WORKATA	s2workata:w2 S age used in probability of working full time	Cont
3	S3WORKATA	s3workata:w3 S age used in probability of working full time	Cont
4	S4WORKATA	s4workata:w4 S age used in probability of working full time	Cont
5	S5WORKATA	s5workata:w5 S age used in probability of working full time	Cont
6	S6WORKATA	s6workata:w6 S age used in probability of working full time	Cont
7	S7WORKATA	s7workata:w7 S age used in probability of working full time	Cont
8	S8WORKATA	s8workata:w8 S age used in probability of working full time	Cont
9	S9WORKATA	s9workata:w9 S age used in probability of working full time	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORKAT	5511	49.32	40.45	0.00	100.00
R2WORKAT	3800	48.97	39.35	0.00	100.00
R3WORKAT	4453	55.73	39.41	0.00	100.00
R4WORKAT	4502	54.54	40.57	0.00	100.00
R5WORKAT	3511	52.92	40.11	0.00	100.00
R6WORKAT	3579	56.87	40.57	0.00	100.00
R7WORKAT	2868	57.89	40.28	0.00	100.00
R8WORKAT	1904	56.58	40.74	0.00	100.00
R9WORKAT	3048	53.36	40.28	0.00	100.00
S1WORKAT	4230	49.49	40.16	0.00	100.00
S2WORKAT	2894	49.57	38.92	0.00	100.00
S3WORKAT	3363	56.70	38.76	0.00	100.00

S4WORKAT	3429	55.12	40.11	0.00	100.00
S5WORKAT	2735	53.73	39.82	0.00	100.00
S6WORKAT	2730	57.18	40.29	0.00	100.00
S7WORKAT	2180	57.97	40.08	0.00	100.00
S8WORKAT	1429	56.66	40.11	0.00	100.00
S9WORKAT	2140	52.25	40.18	0.00	100.00
R1WORKATA	5666	62.53	2.50	60.00	65.00
R2WORKATA	3868	62.61	2.50	60.00	65.00
R3WORKATA	4571	62.56	2.50	60.00	65.00
R4WORKATA	4738	62.71	2.49	60.00	65.00
R5WORKATA	3927	62.77	2.49	60.00	65.00
R6WORKATA	4063	62.69	2.49	60.00	65.00
R7WORKATA	3311	62.75	2.49	60.00	65.00
R8WORKATA	2226	62.90	2.47	60.00	65.00
R9WORKATA	2736	62.65	2.50	60.00	65.00
S1WORKATA	4357	62.64	2.50	60.00	65.00
S2WORKATA	2957	62.71	2.49	60.00	65.00
S3WORKATA	3464	62.67	2.49	60.00	65.00
S4WORKATA	3640	62.78	2.48	60.00	65.00
S5WORKATA	2976	62.87	2.47	60.00	65.00
S6WORKATA	3021	62.83	2.48	60.00	65.00
S7WORKATA	2455	62.87	2.47	60.00	65.00
S8WORKATA	1602	63.01	2.45	60.00	65.00
S9WORKATA	1924	62.82	2.48	60.00	65.00

## How Constructed

RwWORKAT is the self-reported probability of working full-time after a specific age. Respondents were asked to report the probability from 0 to 100. If the respondent is a woman and younger than 55, she will be asked the probability of working full-time after 55. If respondent is a woman and younger than 60, she will be asked the probability of working full-time after 60. If respondent is a man and younger than 60, he will be asked the probability of working full-time after 60. If respondent is a man and younger than 65, he will be asked the probability of working full-time after 65. RwWORKAT is set to special missing .i if the respondent is not asked the question because of the respondent's age. Don't know, refused, or other missing responses of RwWORKAT are assigned special missing codes .d, .r, .m, respectively. RwWORKAT is set to special missing .p if the questions were skipped because the interview was by proxy.

RwWORKATA is the age used in the self-reported probability of working full-time. RwWORKAT and RwWORKATA are set to plain missing (.) for respondents who did not respond to the current wave.

SwWORKAT and SwWORKATA are the current wave's spouse's self-reported probability of working full-time after a specific age, and the age that was used. In addition to the special missing codes used in RwWORKAT and RwWORKATA, SwWORKAT and SwWORKATA employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

This variable is not included in the RAND HRS.

## ELSA Variables Used

Wave 1 Core:

ASKPX1	whether interviewed by proxy
EXPW	thinking about paid work in general [and not just your p

INDAGER	age variable combined info from hh grid and individual d
INDSEX	sex - priority: disex, dhsex
Wave 2 Core:	
ASKPX1	Whether interviewed by proxy
EXPW	Expectation (%) that that they will be working after [ag
INDAGER	Definitive age variable collapsed at 90 plus. Priority:
INDSEX	Definitive sex variable. Priority: Disex, Dhsex
Wave 3 Core:	
ASKPX	whether respondent had a proxy interview
EXPW	expectation (%) that that they will be working after [ag
INDAGER	definitive age variable collapsed at 90 plus. priority:
INDSEX	definitive sex variable. priority: disex, dhsex
Wave 4 Core:	
ASKPX	whether respondent had an interview by proxy
EXPW	expectation (%) that that they will be working after [ag
INDAGER	definitive age variable collapsed at 90 plus. priority:
INDSEX	definitive sex variable. priority: disex, dhsex
Wave 5 Core:	
ASKPX	Whether respondent had an interview by proxy
EXPW	Expectation (%) that that they will be working after [ag
INDAGER	Definitive age variable collapsed at 90+ to avoid disclo
INDSEX	Definitive sex variable
Wave 6 Core:	
ASKPX	whether respondent had an interview by proxy
EXPW	expectation (%) that that they will be working after [ag
INDAGER	definitive age variable collapsed at 90+ to avoid disclo
INDSEX	definitive sex variable: priority disex, dhsex
Wave 7 Core:	
ASKPX	whether respondent had an interview by proxy
EXPW	expectation (%) that that they will be working after [ag
INDAGER	definitive age variable collapsed at 90+ to avoid disclo
INDSEX	definitive sex variable: priority disex, dhsex
Wave 8 Core:	
ASKPX	computed: whether respondent had an interview by proxy
EXPW	expectation (%) that will be working after [age] [depend
INDAGER	(d) definitive age variable collapsed at 90+: priority d
INDSEX	(d) definitive sex variable: priority disex, dhsex
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy
EXPW	Expectation (%) that will be working after [age] [depend
INDAGER	(D) Definitive age variable collapsed at 90+: priority d
INDSEX	(D) Definitive sex variable: priority disex, dhsex

**Self-Reported Probability of Having a Work Limiting Health Problem Before Age 65**

Wave	Variable	Label	Type
1	R1WORKL65	r1workl65:w1 R probability of work limiting health problem	Cont
2	R2WORKL65	r2workl65:w2 R probability of work limiting health problem	Cont
3	R3WORKL65	r3workl65:w3 R probability of work limiting health problem	Cont
4	R4WORKL65	r4workl65:w4 R probability of work limiting health problem	Cont
5	R5WORKL65	r5workl65:w5 R probability of work limiting health problem	Cont
6	R6WORKL65	r6workl65:w6 R probability of work limiting health problem	Cont
7	R7WORKL65	r7workl65:w7 R probability of work limiting health problem	Cont
8	R8WORKL65	r8workl65:w8 R probability of work limiting health problem	Cont
9	R9WORKL65	r9workl65:w9 R probability of work limiting health problem	Cont
1	S1WORKL65	s1workl65:w1 S probability of work limiting health problem	Cont
2	S2WORKL65	s2workl65:w2 S probability of work limiting health problem	Cont
3	S3WORKL65	s3workl65:w3 S probability of work limiting health problem	Cont
4	S4WORKL65	s4workl65:w4 S probability of work limiting health problem	Cont
5	S5WORKL65	s5workl65:w5 S probability of work limiting health problem	Cont
6	S6WORKL65	s6workl65:w6 S probability of work limiting health problem	Cont
7	S7WORKL65	s7workl65:w7 S probability of work limiting health problem	Cont
8	S8WORKL65	s8workl65:w8 S probability of work limiting health problem	Cont
9	S9WORKL65	s9workl65:w9 S probability of work limiting health problem	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORKL65	4071	38.54	27.94	0.00	100.00
R2WORKL65	2905	35.78	26.82	0.00	100.00
R3WORKL65	3570	37.71	27.39	0.00	100.00
R4WORKL65	3658	34.36	27.16	0.00	100.00
R5WORKL65	2834	33.88	27.11	0.00	100.00
R6WORKL65	2918	33.88	27.12	0.00	100.00
R7WORKL65	2451	33.68	26.84	0.00	100.00
R8WORKL65	1732	32.88	27.17	0.00	100.00
R9WORKL65	2163	31.62	26.34	0.00	100.00
S1WORKL65	3180	38.55	27.75	0.00	100.00
S2WORKL65	2251	36.00	26.55	0.00	100.00
S3WORKL65	2777	38.21	27.48	0.00	100.00
S4WORKL65	2829	34.46	26.86	0.00	100.00
S5WORKL65	2243	34.40	27.11	0.00	100.00
S6WORKL65	2274	33.72	27.05	0.00	100.00
S7WORKL65	1894	32.89	26.76	0.00	100.00
S8WORKL65	1316	32.75	27.13	0.00	100.00
S9WORKL65	1546	31.15	25.79	0.00	100.00

**How Constructed**

RwWORKL65 is the self-reported probability of having a work limiting health problem before age 65. Respondents were asked to report the probability from 0 to 100. This question is only asked to respondents who are currently working (paid work or self-employed) and younger than 65. RwWORKL65 is set to special missing .i if the respondent was not asked the question because he/she is 65 or older. RwWORKL65 is set to special missing .w if the respondent was not asked this question because he/she is not currently working. Don't know, refused, or other missing responses of RwWORKL65 are assigned special missing codes .d, .r, .m, respectively. RwWORKL65 is set to special missing .p if the question was skipped because the interview was by proxy. RwWORKL65 is set to plain missing (.) for respondents who did not respond to the current wave.



SwWORKL65 is the current wave's spouse's self-reported probability of having a work limiting health problem before age 65. In addition to the special missing codes used in RwwORKL65, SwWORKL65 employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

Unlike ELSA, HRS asks the respondent the probability of having a work limiting health problem in the next 10 years.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
EXHLIM	what are the chances that your health will limit your abili
INDAGER	age variable combined info from hh grid and individual d
WPACT1	did you do any of these activities during the last month
WPAWAY	were you not in paid work or self-employment during the

### Wave 2 Core:

ASKPX1	Whether interviewed by proxy
EXHLIM	Expectation (%) that their health will limit their abili
INDAGER	Definitive age variable collapsed at 90 plus. Priority:
WPACT1	Activities during the last month (1st mention)
WPAWAY	Were you not in paid work during the last month due to a

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
EXHLIM	expectation (%) that their health will limit their abili
INDAGER	definitive age variable collapsed at 90 plus. priority:
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPAWAY	were you not in paid work during the last month due to a

### Wave 4 Core:

ASKPX	whether respondent had an interview by proxy
EXHLIM	expectation (%) that their health will limit their abili
INDAGER	definitive age variable collapsed at 90 plus. priority:
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPAWAY	were you not in paid work during the last month due to a

### Wave 5 Core:

ASKPX	Whether respondent had an interview by proxy
EXHLIM	Expectation (%) that their health will limit their abili
INDAGER	Definitive age variable collapsed at 90+ to avoid disclo
WPACTPW	Activities during last month: paid work
WPACTSE	Activities during last month: self-employment
WPAWAY	Were you not in paid work during the last month due to a

### Wave 6 Core:

ASKPX	whether respondent had an interview by proxy
EXHLIM	expectation (%) that their health will limit their abili
INDAGER	definitive age variable collapsed at 90+ to avoid disclo
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPAWAY	were you not in paid work during the last month due to a

### Wave 7 Core:

ASKPX	whether respondent had an interview by proxy
EXHLIM	expectation (%) that their health will limit their abili
INDAGER	definitive age variable collapsed at 90+ to avoid disclo
WPACTPW	activities during last month: paid work

WPACTSE	activities during last month: self-employment
WPAWAY	were you not in paid work during the last month due to a
Wave 8 Core:	
ASKPX	computed: whether respondent had an interview by proxy
EXHLIM	expectation (%) that health will limit ability to work b
INDAGER	(d) definitive age variable collapsed at 90+: priority d
WPACTPW	activities during last month: paid work
WPACTSE	activities during last month: self-employment
WPAWAY	whether temporarily away or looking for a job in one of
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy
EXHLIM	Expectation (%) that health will limit ability to work b
INDAGER	(D) Definitive age variable collapsed at 90+: priority d
WPACTPW	Activities during last month: paid work
WPACTSE	Activities during last month: self-employment
WPAWAY	Whether temporarily away or looking for a job in one of

### Self-Reported Probability of Moving to Nursing Home in Next 5 Years

Wave	Variable	Label	Type
2	R2PNHM5Y	r2pnhm5y:w2 R probability move to nursing home in next 5 yea	Cont
6	R6PNHM5Y	r6pnhm5y:w6 R probability move to nursing home in next 5 yea	Cont
7	R7PNHM5Y	r7pnhm5y:w7 R probability move to nursing home in next 5 yea	Cont
8	R8PNHM5Y	r8pnhm5y:w8 R probability move to nursing home in next 5 yea	Cont
9	R9PNHM5Y	r9pnhm5y:w9 R probability move to nursing home in next 5 yea	Cont
2	S2PNHM5Y	s2pnhm5y:w2 S probability move to nursing home in next 5 yea	Cont
6	S6PNHM5Y	s6pnhm5y:w6 S probability move to nursing home in next 5 yea	Cont
7	S7PNHM5Y	s7pnhm5y:w7 S probability move to nursing home in next 5 yea	Cont
8	S8PNHM5Y	s8pnhm5y:w8 S probability move to nursing home in next 5 yea	Cont
9	S9PNHM5Y	s9pnhm5y:w9 S probability move to nursing home in next 5 yea	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2PNHM5Y	5991	13.69	21.88	0.00	100.00
R6PNHM5Y	7274	8.99	16.56	0.00	100.00
R7PNHM5Y	6920	9.34	16.34	0.00	100.00
R8PNHM5Y	6623	10.83	17.51	0.00	100.00
R9PNHM5Y	6325	10.74	17.43	0.00	100.00
S2PNHM5Y	3614	12.58	20.26	0.00	100.00
S6PNHM5Y	4794	8.03	14.88	0.00	100.00
S7PNHM5Y	4544	8.43	14.51	0.00	100.00
S8PNHM5Y	4343	9.65	15.76	0.00	100.00
S9PNHM5Y	4083	9.83	15.87	0.00	100.00

### How Constructed

RwPNHM5Y is the self-reported probability of moving to a nursing home in the next 5 years. This question is only asked to respondents who are 60 and older. Starting in Wave 6, respondents are first asked the probability that they will ever move to a nursing home, and if they report any probability greater than 0, they are asked the probability of moving to a nursing home in the next 5 years. RwPNHM5Y is assigned a value of 0 if they report the probability of ever moving to a nursing home is 0. RwPNHM5Y is set to special missing .i if the respondent is not asked this question because they are younger than 60. Don't know, refused, or other missing responses of RwPNHM5Y are assigned special missing codes .d, .r, .m, respectively. RwPNHM5Y is set to special missing .p if the question was skipped because the interview was by proxy. RwPNHM5Y is set to plain missing (.) for respondents who did not respond to the current wave.

SwPNHM5Y is the current wave's spouse's self-reported probability of moving to a nursing home in the next 5 years. In addition to the special missing codes used in RwPNHM5Y, SwPNHM5Y employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in ELSA

The question is only asked in Wave 2 and in Waves 6 and onward. Starting in Wave 6, the respondent is first asked the probability that they will ever move to a nursing home, and if the probability is greater than 0, then they are asked the probability that they will move to a nursing home in the next 5 years.

### Differences with the RAND HRS/Harmonized HRS

In HRS, this question is only asked to respondents who are older than 65, while ELSA asks all respondents who are older than 60.

**ELSA Variables Used**

## Wave 2 Core:

ASKPX1 Whether interviewed by proxy  
EXMOVNB Expectation (%) that they will move to a nursing home in  
INDAGER Definitive age variable collapsed at 90 plus. Priority:

## Wave 6 Core:

ASKINST whether respondent had an institutional interview  
ASKPX whether respondent had an interview by proxy  
EXMOVNB expectation (%) that they will move to a nursing home in  
INDAGER definitive age variable collapsed at 90+ to avoid disclo

## Wave 7 Core:

ASKINST whether respondent had an institutional interview  
ASKPX whether respondent had an interview by proxy  
EXMOVNB expectation (%) that they will move to a nursing home in  
INDAGER definitive age variable collapsed at 90+ to avoid disclo

## Wave 8 Core:

ASKINST computed: whether respondent had an institutional interv  
ASKPX computed: whether respondent had an interview by proxy  
EXMOVNB expectation (%) that will move to a nursing home in the  
INDAGER (d) definitive age variable collapsed at 90+: priority d

## Wave 9 Core:

ASKINST Computed: whether respondent had an institutional interv  
ASKPX Computed: whether respondent had an interview by proxy  
EXMOVNB Expectation (%) that will move to a nursing home in the  
INDAGER (D) Definitive age variable collapsed at 90+: priority d

## **Section J: Pension**

<b>Receives Any Public Pension</b>
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Wave	Variable	Label	Type
1	R1PUBPEN	r1pubpen:w1 r receives public pension	Categ
2	R2PUBPEN	r2pubpen:w2 r receives public pension	Categ
3	R3PUBPEN	r3pubpen:w3 r receives public pension	Categ
4	R4PUBPEN	r4pubpen:w4 r receives public pension	Categ
5	R5PUBPEN	r5pubpen:w5 r receives public pension	Categ
6	R6PUBPEN	r6pubpen:w6 r receives public pension	Categ
7	R7PUBPEN	r7pubpen:w7 r receives public pension	Categ
8	R8PUBPEN	r8pubpen:w8 r receives public pension	Categ
9	R9PUBPEN	r9pubpen:w9 r receives public pension	Categ
1	S1PUBPEN	s1pubpen:w1 s receives public pension	Categ
2	S2PUBPEN	s2pubpen:w2 s receives public pension	Categ
3	S3PUBPEN	s3pubpen:w3 s receives public pension	Categ
4	S4PUBPEN	s4pubpen:w4 s receives public pension	Categ
5	S5PUBPEN	s5pubpen:w5 s receives public pension	Categ
6	S6PUBPEN	s6pubpen:w6 s receives public pension	Categ
7	S7PUBPEN	s7pubpen:w7 s receives public pension	Categ
8	S8PUBPEN	s8pubpen:w8 s receives public pension	Categ
9	S9PUBPEN	s9pubpen:w9 s receives public pension	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PUBPEN	11964	0.26	0.44	0.00	1.00
R2PUBPEN	9407	0.29	0.45	0.00	1.00
R3PUBPEN	9624	0.26	0.44	0.00	1.00
R4PUBPEN	10879	0.28	0.45	0.00	1.00
R5PUBPEN	10198	0.31	0.46	0.00	1.00
R6PUBPEN	10545	0.32	0.46	0.00	1.00
R7PUBPEN	9619	0.33	0.47	0.00	1.00
R8PUBPEN	8415	0.37	0.48	0.00	1.00
R9PUBPEN	8709	0.33	0.47	0.00	1.00
S1PUBPEN	7992	0.35	0.48	0.00	1.00
S2PUBPEN	6160	0.41	0.49	0.00	1.00
S3PUBPEN	6303	0.36	0.48	0.00	1.00
S4PUBPEN	7302	0.38	0.48	0.00	1.00
S5PUBPEN	6918	0.43	0.50	0.00	1.00
S6PUBPEN	7202	0.44	0.50	0.00	1.00
S7PUBPEN	6536	0.46	0.50	0.00	1.00
S8PUBPEN	5669	0.51	0.50	0.00	1.00
S9PUBPEN	5805	0.46	0.50	0.00	1.00

### Categorical Variable Codes

Value-----	R1PUBPEN	R2PUBPEN	R3PUBPEN	R4PUBPEN	R5PUBPEN
.d:DK	8	4	38	35	8
.m:Missing	97	21	94	121	53
.p:proxy			1	1	1
.r:Refuse	30		9	14	14
0.no	8810	6707	7119	7858	7029
1.yes	3154	2700	2505	3021	3169

Value-----	R6PUBPEN	R7PUBPEN	R8PUBPEN	R9PUBPEN
.d:DK		2	2	2
.m:Missing	42	40	22	23

.r:Refuse	14	5	6	2	
0.no	7212	6441	5343	5851	
1.yes	3333	3178	3072	2858	
Value-----	S1PUBPEN	S2PUBPEN	S3PUBPEN	S4PUBPEN	S5PUBPEN
.d:DK		4	9	4	8
.m:Missing	60	14	66	89	24
.r:Refuse	18		6	7	14
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	5167	3620	4060	4540	3932
1.yes	2825	2540	2243	2762	2986
Value-----	S6PUBPEN	S7PUBPEN	S8PUBPEN	S9PUBPEN	
.d:DK		2			
.m:Missing	26	18	13	13	
.r:Refuse	14	4	6	2	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	4040	3513	2793	3150	
1.yes	3162	3023	2876	2655	

## How Constructed

RwPUBPEN indicates whether the respondent is currently receiving a public pension without disability. Public pension without disability is comprised of state pension and widow's pension. For more information on state pension, widow's pension, or public pension without disability, please refer to "Section F. Income: Public Pension Income". A value of 0 indicates the respondent is not receiving a state pension or widow's pension. A value of 1 indicates the respondent is receiving a state pension and/or a widow's pension. Don't know, refused, or other missing responses of RwPUBPEN are assigned special missing codes .d, .r, .m, respectively. RwPUBPEN is assigned a special missing code .p if the information is not available because the interview was done by proxy. RwPUBPEN is set to plain missing (.) for respondents who did not respond to the current wave.

SwPUBPEN indicates whether the current wave's spouse is currently receiving a public pension, and is taken from the spouse's values to RwPUBPEN. In addition to the special missing codes used in RwPUBPEN, SwPUBPEN employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please note that pension questions are asked only to the financial respondent about the financial respondent's pension income and, if married, the financial respondent's spouse's pension income. If the respondent is the financial respondent, then measures concerning the financial respondent are assigned to the respondent and those about the financial respondent's spouse are assigned to the respondent's spouse. However, if the respondent's spouse is the financial respondent, then measures about the financial respondent are assigned to the respondent's spouse and those concerning the financial respondent's spouse are assigned to the respondent.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

RwPUBPEN in the ELSA is comparable to RASSRECV in the RAND HRS. While RwPUBPEN indicates whether the respondent to ELSA is receiving a public pension at each wave, RASSRECV indicates whether the respondent to HRS received social security income at any wave. Please note that ELSA has a value for each wave of the study, while the HRS has a single value that encompasses all waves.

Components included in Harmonized ELSA and RAND HRS are slightly different for public pensions representing different institutional arrangements in each country. However, we kept the concepts included as comparable as possible.

**ELSA Variables Used**

## Wave 1 Core:

IABEB have you (or your spouse) received any of these benefits  
 IABER1 which of these benefits have you received in the last ye  
 IABER2 which of these benefits have you received in the last ye  
 IABER3 which of these benefits have you received in the last ye  
 IABER4 which of these benefits have you received in the last ye  
 IAPID person who answered ia for financial unit  
 IASPEN did you (or your spouse) receive any money from a state  
 IASPW which of you received the state pension in the last year  
 PERID person id (same as person number in household grid)

## Wave 2 Core:

IABEB Have you (or your spouse) received any of these benefits  
 IABER1 Benefits received in the last year: respondent (1st ment  
 IABER2 Benefits received in the last year: respondent (2nd ment  
 IABER3 Benefits received in the last year: respondent (3rd ment  
 IABER4 Benefits received in the last year: respondent (4th ment  
 IAPID Person number of person who answered IA  
 IASPEN Did respondent (or spouse) receive any money from the st  
 IASPW Was it respondent or spouse who received the state pensi  
 PERSNO Person number

## Wave 3 Core:

ASKPX whether respondent had a proxy interview  
 IABEB have you (or your spouse) received any of these benefits  
 IABERMWP benefits received in last yr: widow or bereavement allow  
 IAPID person number of person who answered ia  
 IASPEN did respondent (or spouse) receive any money from the st  
 IASPW was it respondent or spouse who received the state pensi  
 PERID person number in the household

## Wave 4 Core:

ASKPX whether respondent had an interview by proxy  
 IABEB have you (or your spouse) received any of these benefits  
 IABERMWP benefits received in last yr: widow or bereavement allow  
 IAPID person number of person who answered ia  
 IASPEN did respondent (or spouse) receive any money from the st  
 IASPW was it respondent or spouse who received the state pensi  
 PERID household number (persno)

## Wave 5 Core:

ASKPX Whether respondent had an interview by proxy  
 IABEBC SHOW CARD F2 AreIs[pnum] youandhw[pnum] receiving any of  
 IABENMWP Benefits receiving now: respondent Widow or Bereavement  
 IAPID Person number of person who answered IA  
 IASPEN Did respondent (or spouse) receive any money from the st  
 IASPW Was it respondent or spouse who received the state pensi  
 PERID Household Number (PersNo)

## Wave 6 Core:

IAASK whether asking for partner in hh too  
 IABENMWP benefits receiving now: respondent widow or bereavement  
 IAPID person number of person who answered ia  
 IASPEN did respondent (or spouse) receive any money from the st  
 IASPW was it respondent or spouse who received the state pensi  
 PERID household number (persno)

## Wave 7 Core:

IAASK whether asking for partner in hh too  
 IABENMWP benefits receiving now: respondent widow or bereavement  
 IAPID person number of person who answered ia  
 IASPEN did respondent (or spouse) receive any money from the st  
 IASPW was it respondent or spouse who received the state pensi  
 PERID person number (persno)

## Wave 8 Core:

IAASK whether asking for partner in hh too  
 IABENMWP benefits receiving now: respondent widow or bereavement



IAPID            computed: person number who answered ia  
IASPEN        whether respondent (or spouse) received any money from t  
IASPW         whether it was respondent or spouse who received the sta  
PERID         person number in household

## Wave 9 Core:

IAASK         Whether asking for partner in hh too  
IABENMWP     Benefits receiving now: respondent Widow or Bereavement  
IAPID         Computed: person number who answered IA  
IASPEN        Whether respondent (or spouse) received any money from t  
IASPW         Whether it was respondent or spouse who received the sta  
PERID         Person number in household

<b>Currently Receiving Any Private Pension</b>
--

Wave	Variable	Label	Type
1	R1PENINC	r1peninc:w1 r current receiving private pension income	Categ
2	R2PENINC	r2peninc:w2 r current receiving private pension income	Categ
3	R3PENINC	r3peninc:w3 r current receiving private pension income	Categ
4	R4PENINC	r4peninc:w4 r current receiving private pension income	Categ
5	R5PENINC	r5peninc:w5 r current receiving private pension income	Categ
6	R6PENINC	r6peninc:w6 r current receiving private pension income	Categ
7	R7PENINC	r7peninc:w7 r current receiving private pension income	Categ
8	R8PENINC	r8peninc:w8 r current receiving private pension income	Categ
9	R9PENINC	r9peninc:w9 r current receiving private pension income	Categ
1	S1PENINC	s1peninc:w1 s current receiving private pension income	Categ
2	S2PENINC	s2peninc:w2 s current receiving private pension income	Categ
3	S3PENINC	s3peninc:w3 s current receiving private pension income	Categ
4	S4PENINC	s4peninc:w4 s current receiving private pension income	Categ
5	S5PENINC	s5peninc:w5 s current receiving private pension income	Categ
6	S6PENINC	s6peninc:w6 s current receiving private pension income	Categ
7	S7PENINC	s7peninc:w7 s current receiving private pension income	Categ
8	S8PENINC	s8peninc:w8 s current receiving private pension income	Categ
9	S9PENINC	s9peninc:w9 s current receiving private pension income	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PENINC	12099	0.35	0.48	0.00	1.00
R2PENINC	9432	0.42	0.49	0.00	1.00
R3PENINC	9766	0.40	0.49	0.00	1.00
R4PENINC	11050	0.45	0.50	0.00	1.00
R5PENINC	10274	0.50	0.50	0.00	1.00
R6PENINC	10601	0.50	0.50	0.00	1.00
R7PENINC	9666	0.52	0.50	0.00	1.00
R8PENINC	8445	0.57	0.49	0.00	1.00
R9PENINC	8736	0.52	0.50	0.00	1.00
S1PENINC	8070	0.35	0.48	0.00	1.00
S2PENINC	6178	0.42	0.49	0.00	1.00
S3PENINC	6384	0.38	0.49	0.00	1.00
S4PENINC	7402	0.42	0.49	0.00	1.00
S5PENINC	6964	0.47	0.50	0.00	1.00
S6PENINC	7242	0.48	0.50	0.00	1.00
S7PENINC	6560	0.50	0.50	0.00	1.00
S8PENINC	5688	0.55	0.50	0.00	1.00
S9PENINC	5820	0.50	0.50	0.00	1.00

### Categorical Variable Codes

Value-----	R1PENINC	R2PENINC	R3PENINC	R4PENINC	R5PENINC
0.no	7907	5503	5881	6125	5130
1.yes	4192	3929	3885	4925	5144
Value-----	R6PENINC	R7PENINC	R8PENINC	R9PENINC	
0.no	5299	4605	3619	4172	
1.yes	5302	5061	4826	4564	
Value-----	S1PENINC	S2PENINC	S3PENINC	S4PENINC	S5PENINC
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568

0.no	5261	3569	3964	4319	3658
1.yes	2809	2609	2420	3083	3306
Value-----	S6PENINC	S7PENINC	S8PENINC	S9PENINC	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3774	3278	2572	2885	
1.yes	3468	3282	3116	2935	

## How Constructed

RwPENINC indicates whether the respondent is currently receiving any private or employer pension. A value of 0 indicates that the respondent is not currently receiving any private pension. A value of 1 indicates that the respondent is currently receiving a private pension. Don't know, refused, or other missing responses of RwPENINC are assigned special missing codes .d, .r, .m, respectively. RwPENINC is set to plain missing (.) for respondents who did not respond to the current wave.

SwPENINC indicates whether the current wave's spouse is currently receiving any private or employer pension, and is taken from the spouse's values to RwPENINC. In addition to the special missing codes used in RwPENINC, SwPENINC employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please note that the raw variables used to derive RwPENINC are from the corresponding wave's IFS derived variables data file for all waves, rather than from the wave's core data file.

## Cross Wave Differences in ELSA

In all waves, respondents are asked if they are currently receiving a pension from the pension scheme to which they had contributed. Starting in Wave 2, respondents who reported receiving a pension in the previous wave are asked if they are still receiving income from the pension. In Wave 2, whether the respondent is newly receiving a pension and whether the respondent is still receiving a pension are asked as different questions, whereas the questions are combined for Wave 3 and onward. Only in Wave 2, respondents are asked if they are currently receiving a pension from a pension scheme that they had retained rights in but weren't yet receiving at the last wave. In Wave 2, all three of these questions were used to determine whether the respondent was currently receiving a pension.

Please note that the raw variables used to derive RwPENINC are from the corresponding wave's IFS derived variables data file for all waves, rather than from the wave's core data file.

## ELSA Variables Used

Wave 1 IFS Derived:  
 PP\_REC currently receiving income from a private pension

Wave 2 IFS Derived:  
 PP\_REC currently receiving income from a private pension

Wave 3 IFS Derived:  
 PP\_REC currently receiving income from a private pension

Wave 4 IFS Derived:  
 PP\_REC currently receiving income from a private pension

Wave 5 IFS Derived:  
 PP\_REC currently receiving income from a private pension

Wave 6 IFS Derived:  
 PP\_REC currently receiving income from a private pension

Wave 7 IFS Derived:  
 PP\_REC currently receiving income from a private pension

Wave 8 IFS Derived:  
 PP\_REC currently receiving income from a private pension

Wave 9 IFS Derived:  
 PP\_REC currently receiving income from a private pension

<b>Number of Private Pensions Currently Receiving</b>
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Wave	Variable	Label	Type
1	R1PENINM	r1peninm:w1 # private pensions r currently receives income	Categ
2	R2PENINM	r2peninm:w2 # private pensions r currently receives income	Categ
3	R3PENINM	r3peninm:w3 # private pensions r currently receives income	Categ
4	R4PENINM	r4peninm:w4 # private pensions r currently receives income	Categ
5	R5PENINM	r5peninm:w5 # private pensions r currently receives income	Categ
6	R6PENINM	r6peninm:w6 # private pensions r currently receives income	Categ
7	R7PENINM	r7peninm:w7 # private pensions r currently receives income	Categ
8	R8PENINM	r8peninm:w8 # private pensions r currently receives income	Categ
9	R9PENINM	r9peninm:w9 # private pensions r currently receives income	Categ
1	S1PENINM	s1peninm:w1 # private pensions s currently receives income	Categ
2	S2PENINM	s2peninm:w2 # private pensions s currently receives income	Categ
3	S3PENINM	s3peninm:w3 # private pensions s currently receives income	Categ
4	S4PENINM	s4peninm:w4 # private pensions s currently receives income	Categ
5	S5PENINM	s5peninm:w5 # private pensions s currently receives income	Categ
6	S6PENINM	s6peninm:w6 # private pensions s currently receives income	Categ
7	S7PENINM	s7peninm:w7 # private pensions s currently receives income	Categ
8	S8PENINM	s8peninm:w8 # private pensions s currently receives income	Categ
9	S9PENINM	s9peninm:w9 # private pensions s currently receives income	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PENINM	12099	0.40	0.61	0.00	3.00
R2PENINM	9432	0.52	0.71	0.00	6.00
R3PENINM	9766	0.51	0.72	0.00	5.00
R4PENINM	11050	0.59	0.78	0.00	5.00
R5PENINM	10274	0.69	0.83	0.00	6.00
R6PENINM	10601	0.71	0.87	0.00	8.00
R7PENINM	9666	0.76	0.91	0.00	6.00
R8PENINM	8445	0.84	0.93	0.00	6.00
R9PENINM	8736	0.78	0.93	0.00	7.00
S1PENINM	8070	0.41	0.62	0.00	3.00
S2PENINM	6178	0.54	0.74	0.00	6.00
S3PENINM	6384	0.49	0.72	0.00	5.00
S4PENINM	7402	0.55	0.77	0.00	5.00
S5PENINM	6964	0.65	0.82	0.00	6.00
S6PENINM	7242	0.67	0.86	0.00	8.00
S7PENINM	6560	0.72	0.89	0.00	6.00
S8PENINM	5688	0.80	0.91	0.00	6.00
S9PENINM	5820	0.74	0.91	0.00	7.00

### How Constructed

RwPENINM indicates how many occupational pensions the respondent is currently receiving income from. Don't know, refused, or other missing responses of RwPENINM are assigned special missing codes .d, .r, .m, respectively. RwPENINM is set to plain missing (.) for respondents who did not respond to the current wave.

SwPENINM indicates how many occupational pensions the respondent is currently receiving income from, and is taken from the spouse's values to RwPENINM. In addition to the special missing codes used in RwPENINM, SwPENINM employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please note that the raw variables used to derive RWPENINM are from the corresponding wave's IFS derived variables data file for all waves, rather than from the wave's core data file.

### Cross Wave Differences in ELSA

In all waves, respondents are asked if they are currently receiving a pension from the pension scheme to which they had contributed. Starting in Wave 2, respondents who reported receiving a pension in the previous wave are asked if they are still receiving income from the pension. In Wave 2, whether the respondent is newly receiving a pension and whether the respondent is still receiving a pension are asked as different questions, whereas the questions are combined for Wave 3 and onward. Only in Wave 2, respondents are asked if they are currently receiving a pension from a pension scheme that they had retained rights in but weren't yet receiving at the last wave. In Wave 2, all three of these questions were used to determine whether the respondent was currently receiving a pension.

Please note that the raw variables used to derive RWPENINM are from the corresponding wave's IFS derived variables data file for all waves, rather than from the wave's core data file.

### Differences with the RAND HRS/Harmonized HRS

Components included in Harmonized ELSA and RAND HRS are slightly different for private pensions representing different institutional arrangements in each country. However, we kept the concepts included as comparable as possible.

### ELSA Variables Used

Wave 1 IFS Derived:	
PP_NREC	number of private pensions from which receiving income
Wave 2 IFS Derived:	
PP_NREC	number of private pensions from which receiving income
Wave 3 IFS Derived:	
PP_NREC	number of private pensions from which receiving income
Wave 4 IFS Derived:	
PP_NREC	number of private pensions from which receiving income
Wave 5 IFS Derived:	
PP_NREC	number of private pensions from which receiving income
Wave 6 IFS Derived:	
PP_NREC	number of private pensions from which receiving income
Wave 7 IFS Derived:	
PP_NREC	number of private pensions from which receiving income
Wave 8 IFS Derived:	
PP_NREC	number of private pensions from which receiving income
Wave 9 IFS Derived:	
PP_NREC	number of private pensions from which receiving income

### Any Pension from Current Job

Wave	Variable	Label	Type
1	R1JCPEN	r1jcpen:w1 r any pension from current job	Categ
2	R2JCPEN	r2jcpen:w2 r any pension from current job	Categ
3	R3JCPEN	r3jcpen:w3 r any pension from current job	Categ
4	R4JCPEN	r4jcpen:w4 r any pension from current job	Categ
5	R5JCPEN	r5jcpen:w5 r any pension from current job	Categ
6	R6JCPEN	r6jcpen:w6 r any pension from current job	Categ
7	R7JCPEN	r7jcpen:w7 r any pension from current job	Categ
8	R8JCPEN	r8jcpen:w8 r any pension from current job	Categ
9	R9JCPEN	r9jcpen:w9 r any pension from current job	Categ
1	S1JCPEN	s1jcpen:w1 s any pension from current job	Categ
2	S2JCPEN	s2jcpen:w2 s any pension from current job	Categ
3	S3JCPEN	s3jcpen:w3 s any pension from current job	Categ
4	S4JCPEN	s4jcpen:w4 s any pension from current job	Categ
5	S5JCPEN	s5jcpen:w5 s any pension from current job	Categ
6	S6JCPEN	s6jcpen:w6 s any pension from current job	Categ
7	S7JCPEN	s7jcpen:w7 s any pension from current job	Categ
8	S8JCPEN	s8jcpen:w8 s any pension from current job	Categ
9	S9JCPEN	s9jcpen:w9 s any pension from current job	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JCPEN	4369	0.48	0.50	0.00	1.00
R2JCPEN	3117	0.47	0.50	0.00	1.00
R3JCPEN	3793	0.47	0.50	0.00	1.00
R4JCPEN	4118	0.45	0.50	0.00	1.00
R5JCPEN	3381	0.40	0.49	0.00	1.00
R6JCPEN	3568	0.39	0.49	0.00	1.00
R7JCPEN	3120	0.44	0.50	0.00	1.00
R8JCPEN	2325	0.47	0.50	0.00	1.00
R9JCPEN	2884	0.54	0.50	0.00	1.00
S1JCPEN	3383	0.49	0.50	0.00	1.00
S2JCPEN	2394	0.48	0.50	0.00	1.00
S3JCPEN	2925	0.48	0.50	0.00	1.00
S4JCPEN	3178	0.45	0.50	0.00	1.00
S5JCPEN	2675	0.40	0.49	0.00	1.00
S6JCPEN	2799	0.39	0.49	0.00	1.00
S7JCPEN	2425	0.44	0.50	0.00	1.00
S8JCPEN	1780	0.47	0.50	0.00	1.00
S9JCPEN	2119	0.53	0.50	0.00	1.00

### Categorical Variable Codes

Value-----	R1JCPEN	R2JCPEN	R3JCPEN	R4JCPEN	R5JCPEN
.w:currently not working	7730	6315	5973	6932	6893
0.no	2262	1654	2018	2263	2029
1.yes	2107	1463	1775	1855	1352
Value-----	R6JCPEN	R7JCPEN	R8JCPEN	R9JCPEN	
.w:currently not working	7033	6546	6120	5852	
0.no	2176	1744	1234	1319	
1.yes	1392	1376	1091	1565	
Value-----	S1JCPEN	S2JCPEN	S3JCPEN	S4JCPEN	S5JCPEN

.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.w:currently not working	4687	3784	3459	4224	4289
0.no	1722	1247	1518	1735	1611
1.yes	1661	1147	1407	1443	1064
Value-----	S6JCPEN	S7JCPEN	S8JCPEN	S9JCPEN	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.w:currently not working	4443	4135	3908	3701	
0.no	1719	1370	938	993	
1.yes	1080	1055	842	1126	

## How Constructed

RwJCPEN indicates whether or not the respondent is a member of an occupational pension scheme, assumed to be through their current job. A value of 0 indicates the respondent is not a member of a pension scheme through their current job. A value of 1 indicates the respondent is a member of a pension scheme through their current job. Don't know, refused, or other missing responses of RwJCPEN are assigned special missing codes .d, .r, .m, respectively. If the respondent is not currently working, RwJCPEN is assigned special missing code .w. RwJCPEN is set to plain missing (.) for respondents who did not respond to the current wave.

SwJCPEN indicates whether the current wave's spouse is a member of a pension scheme through their current job, and is taken from the spouse's values to RwJCPEN. In addition to the special missing codes used in RwJCPEN, SwJCPEN employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please note that some of the raw variables used to derive RwJCPEN are from the corresponding wave's IFS derived variables data file for all waves, in addition to variables from the wave's core data file.

## Cross Wave Differences in ELSA

Please note that some of the raw variables used to derive RwJCPEN are from the corresponding wave's IFS derived variables data file for all waves, in addition to variables from the wave's core data file.

## Differences with the RAND HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

Wave 1 Core:

WPDES which one of these would you say best describes your cur

Wave 1 IFS Derived:

PP\_OCC currently contributing to an occupational pension (any t

Wave 2 Core:

WPDES Best description of current situation

Wave 2 IFS Derived:

PP\_OCC currently contributing to an occupational pension (any t

Wave 3 Core:

WPDES best description of current situation

Wave 3 IFS Derived:

PP\_OCC currently contributing to an occupational pension (any t

Wave 4 Core:

WPDES best description of current situation

Wave 4 IFS Derived:

PP\_OCC currently contributing to an occupational pension (any t

Wave 5 Core:

WPDES Best description of current situation

Wave 5 IFS Derived:

PP\_OCC currently contributing to an occupational pension (any t

Wave 6 Core:  
WPDES best description of current situation

Wave 6 Ifs Derived:  
PP\_OCC currently contributing to an occupational pension (any t

Wave 7 Core:  
WPDES best description of current situation

Wave 7 Ifs Derived:  
PP\_OCC currently contributing to an occupational pension (any t

Wave 8 Core:  
WPDES best description of current situation

Wave 8 Ifs Derived:  
PP\_OCC currently contributing to an occupational pension (any t

Wave 9 Core:  
WPDES Best description of current situation

Wave 9 Ifs Derived:  
PP\_OCC currently contributing to an occupational pension (any t



**Number of Pensions from Current Job**

Wave	Variable	Label	Type
1	R1PENCT	r1penct:w1 r # pensions from current job	Categ
2	R2PENCT	r2penct:w2 r # pensions from current job	Categ
3	R3PENCT	r3penct:w3 r # pensions from current job	Categ
4	R4PENCT	r4penct:w4 r # pensions from current job	Categ
5	R5PENCT	r5penct:w5 r # pensions from current job	Categ
6	R6PENCT	r6penct:w6 r # pensions from current job	Categ
7	R7PENCT	r7penct:w7 r # pensions from current job	Categ
8	R8PENCT	r8penct:w8 r # pensions from current job	Categ
9	R9PENCT	r9penct:w9 r # pensions from current job	Categ
1	S1PENCT	s1penct:w1 s # pensions from current job	Categ
2	S2PENCT	s2penct:w2 s # pensions from current job	Categ
3	S3PENCT	s3penct:w3 s # pensions from current job	Categ
4	S4PENCT	s4penct:w4 s # pensions from current job	Categ
5	S5PENCT	s5penct:w5 s # pensions from current job	Categ
6	S6PENCT	s6penct:w6 s # pensions from current job	Categ
7	S7PENCT	s7penct:w7 s # pensions from current job	Categ
8	S8PENCT	s8penct:w8 s # pensions from current job	Categ
9	S9PENCT	s9penct:w9 s # pensions from current job	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PENCT	4369	0.49	0.52	0.00	2.00
R2PENCT	3117	0.49	0.54	0.00	3.00
R3PENCT	3793	0.47	0.51	0.00	2.00
R4PENCT	4118	0.45	0.51	0.00	2.00
R5PENCT	3381	0.40	0.50	0.00	2.00
R6PENCT	3568	0.39	0.50	0.00	3.00
R7PENCT	3120	0.45	0.51	0.00	2.00
R8PENCT	2325	0.48	0.51	0.00	3.00
R9PENCT	2884	0.56	0.53	0.00	3.00
S1PENCT	3383	0.50	0.52	0.00	2.00
S2PENCT	2394	0.50	0.55	0.00	3.00
S3PENCT	2925	0.49	0.51	0.00	2.00
S4PENCT	3178	0.46	0.51	0.00	2.00
S5PENCT	2675	0.40	0.49	0.00	2.00
S6PENCT	2799	0.39	0.50	0.00	3.00
S7PENCT	2425	0.44	0.50	0.00	2.00
S8PENCT	1780	0.48	0.52	0.00	3.00
S9PENCT	2119	0.55	0.53	0.00	2.00

**How Constructed**

RwPENCT indicates the number of pensions which the respondent is a member of, though not currently receiving, through their current job. The ELSA first asks whether the respondent is currently contributing to the specific pension plan and then asks if the pension is employer provided. A value of 0 indicates that the respondent is not currently contributing, is not a member of the pension through their current job, or both of these. Don't know, refused, or other missing responses of RwPENCT are assigned special missing codes .d, .r, .m, respectively. If the respondent is not currently working, RwPENCT is assigned a special missing code .w. RwPENCT is set to plain missing (.) for respondents who did not respond to the current wave.

SwPENCT indicates the number of private pensions the current wave's spouse is a member of, though not currently receiving, through their current job, and is taken from the spouse's values to RwPENCT. In

addition to the special missing codes used in RWPENCT, SWPENCT employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please note that some of the raw variables used to derive RWPENCT are from the corresponding wave's IFS derived variables data file for all waves, in addition to variables from the wave's core data file.

### **Cross Wave Differences in ELSA**

Please note that some of the raw variables used to derive RWPENCT are from the corresponding wave's IFS derived variables data file for all waves, in addition to variables from the wave's core data file.

### **Differences with the RAND HRS/Harmonized HRS**

Whereas HRS asks respondents directly about the number of pension plans from their current job, in ELSA, RWPENCT is calculated by adding each pension the respondent reports being a member of.

### **ELSA Variables Used**

Wave 1 Core:

WPDES which one of these would you say best describes your cur

Wave 1 Ifs Derived:

PP\_NOCC number of occupational pensions curr contributing to (an

Wave 2 Core:

WPDES Best description of current situation

Wave 2 Ifs Derived:

PP\_NOCC number of occupational pensions curr contributing to (an

Wave 3 Core:

WPDES best description of current situation

Wave 3 Ifs Derived:

PP\_NOCC number of occupational pensions curr contributing to (an

Wave 4 Core:

WPDES best description of current situation

Wave 4 Ifs Derived:

PP\_NOCC number of occupational pensions curr contributing to (an

Wave 5 Core:

WPDES Best description of current situation

Wave 5 Ifs Derived:

PP\_NOCC number of occupational pensions curr contributing to (an

Wave 6 Core:

WPDES best description of current situation

Wave 6 Ifs Derived:

PP\_NOCC number of occupational pensions curr contributing to (an

Wave 7 Core:

WPDES best description of current situation

Wave 7 Ifs Derived:

PP\_NOCC number of occupational pensions curr contributing to (an

Wave 8 Core:

WPDES best description of current situation

Wave 8 Ifs Derived:

PP\_NOCC number of occupational pensions curr contributing to (an

Wave 9 Core:

WPDES Best description of current situation

Wave 9 Ifs Derived:

PP\_NOCC number of occupational pensions curr contributing to (an

<b>Type of Pension from Current Job</b>
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Wave	Variable	Label	Type
1	R1PTY1_E	r1ptyp1_e:w1 r current pension type #1	Categ
2	R2PTY1_E	r2ptyp1_e:w2 r current pension type #1	Categ
3	R3PTY1_E	r3ptyp1_e:w3 r current pension type #1	Categ
4	R4PTY1_E	r4ptyp1_e:w4 r current pension type #1	Categ
5	R5PTY1_E	r5ptyp1_e:w5 r current pension type #1	Categ
6	R6PTY1_E	r6ptyp1_e:w6 r current pension type #1	Categ
7	R7PTY1_E	r7ptyp1_e:w7 r current pension type #1	Categ
9	R9PTY1_E	r9ptyp1_e:w9 r current pension type #1	Categ
1	S1PTY1_E	s1ptyp1_e:w1 s current pension type #1	Categ
2	S2PTY1_E	s2ptyp1_e:w2 s current pension type #1	Categ
3	S3PTY1_E	s3ptyp1_e:w3 s current pension type #1	Categ
4	S4PTY1_E	s4ptyp1_e:w4 s current pension type #1	Categ
5	S5PTY1_E	s5ptyp1_e:w5 s current pension type #1	Categ
6	S6PTY1_E	s6ptyp1_e:w6 s current pension type #1	Categ
7	S7PTY1_E	s7ptyp1_e:w7 s current pension type #1	Categ
8	S8PTY1_E	s8ptyp1_e:w8 s current pension type #1	Categ
9	S9PTY1_E	s9ptyp1_e:w9 s current pension type #1	Categ
1	R1PTY2_E	r1ptyp2_e:w1 r current pension type #2	Categ
2	R2PTY2_E	r2ptyp2_e:w2 r current pension type #2	Categ
3	R3PTY2_E	r3ptyp2_e:w3 r current pension type #2	Categ
4	R4PTY2_E	r4ptyp2_e:w4 r current pension type #2	Categ
5	R5PTY2_E	r5ptyp2_e:w5 r current pension type #2	Categ
6	R6PTY2_E	r6ptyp2_e:w6 r current pension type #2	Categ
7	R7PTY2_E	r7ptyp2_e:w7 r current pension type #2	Categ
8	R8PTY2_E	r8ptyp2_e:w8 r current pension type #2	Categ
9	R9PTY2_E	r9ptyp2_e:w9 r current pension type #2	Categ
1	S1PTY2_E	s1ptyp2_e:w1 s current pension type #2	Categ
2	S2PTY2_E	s2ptyp2_e:w2 s current pension type #2	Categ
3	S3PTY2_E	s3ptyp2_e:w3 s current pension type #2	Categ
4	S4PTY2_E	s4ptyp2_e:w4 s current pension type #2	Categ
5	S5PTY2_E	s5ptyp2_e:w5 s current pension type #2	Categ
6	S6PTY2_E	s6ptyp2_e:w6 s current pension type #2	Categ
7	S7PTY2_E	s7ptyp2_e:w7 s current pension type #2	Categ
8	S8PTY2_E	s8ptyp2_e:w8 s current pension type #2	Categ
9	S9PTY2_E	s9ptyp2_e:w9 s current pension type #2	Categ
2	R2PTY3_E	r2ptyp3_e:w2 r current pension type #3	Categ
6	R6PTY3_E	r6ptyp3_e:w6 r current pension type #3	Categ
8	R8PTY3_E	r8ptyp3_e:w8 r current pension type #3	Categ
9	R9PTY3_E	r9ptyp3_e:w9 r current pension type #3	Categ
2	S2PTY3_E	s2ptyp3_e:w2 s current pension type #3	Categ
6	S6PTY3_E	s6ptyp3_e:w6 s current pension type #3	Categ
8	S8PTY3_E	s8ptyp3_e:w8 s current pension type #3	Categ
9	S9PTY3_E	s9ptyp3_e:w9 s current pension type #3	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PTY1_E	2107	1.82	0.58	1.00	3.00
R2PTY1_E	1463	1.82	0.56	1.00	3.00
R3PTY1_E	1775	1.79	0.56	1.00	3.00
R4PTY1_E	1855	1.77	0.55	1.00	3.00

R5PTY1_E	1352	1.73	0.55	1.00	3.00
R6PTY1_E	1392	1.71	0.57	1.00	3.00
R7PTY1_E	1376	1.69	0.64	1.00	3.00
R9PTY1_E	1565	1.56	0.68	1.00	3.00
S1PTY1_E	1661	1.81	0.57	1.00	3.00
S2PTY1_E	1147	1.81	0.55	1.00	3.00
S3PTY1_E	1407	1.78	0.55	1.00	3.00
S4PTY1_E	1443	1.75	0.53	1.00	3.00
S5PTY1_E	1064	1.72	0.54	1.00	3.00
S6PTY1_E	1080	1.69	0.57	1.00	3.00
S7PTY1_E	1055	1.67	0.64	1.00	3.00
S8PTY1_E	842	1.58	0.63	1.00	3.00
S9PTY1_E	1126	1.52	0.66	1.00	3.00
R1PTY2_E	53	1.96	0.65	1.00	3.00
R2PTY2_E	59	1.95	0.63	1.00	3.00
R3PTY2_E	18	1.83	0.62	1.00	3.00
R4PTY2_E	16	1.94	0.44	1.00	3.00
R5PTY2_E	8	2.25	0.46	2.00	3.00
R6PTY2_E	12	2.00	0.60	1.00	3.00
R7PTY2_E	15	2.07	0.70	1.00	3.00
R8PTY2_E	15	1.60	0.63	1.00	3.00
R9PTY2_E	41	1.90	0.80	1.00	3.00
S1PTY2_E	41	1.93	0.65	1.00	3.00
S2PTY2_E	47	1.96	0.62	1.00	3.00
S3PTY2_E	15	1.93	0.59	1.00	3.00
S4PTY2_E	13	1.85	0.38	1.00	2.00
S5PTY2_E	6	2.17	0.41	2.00	3.00
S6PTY2_E	11	2.09	0.54	1.00	3.00
S7PTY2_E	10	2.10	0.74	1.00	3.00
S8PTY2_E	13	1.62	0.65	1.00	3.00
S9PTY2_E	33	1.85	0.80	1.00	3.00
R2PTY3_E	6	1.50	0.55	1.00	2.00
R6PTY3_E	1	2.00	.	2.00	2.00
R8PTY3_E	1	1.00	.	1.00	1.00
R9PTY3_E	1	3.00	.	3.00	3.00
S2PTY3_E	5	1.40	0.55	1.00	2.00
S6PTY3_E	1	2.00	.	2.00	2.00
S8PTY3_E	1	1.00	.	1.00	1.00
S9PTY3_E	0	.	.	.	.

**Categorical Variable Codes**

Value-----	R1PTY1_E	R2PTY1_E	R3PTY1_E	R4PTY1_E	R5PTY1_E
.w:currently not working	7730	6315	5973	6932	6893
.x:no pension through job	2262	1654	2018	2263	2029
1.DC	585	389	494	543	434
2.DB	1326	951	1151	1198	849
3.DC or DB	196	123	130	114	69
Value-----	R6PTY1_E	R7PTY1_E		R9PTY1_E	
.w:currently not working	7033	6546		5852	
.x:no pension through job	2176	1744		1319	
1.DC	495	562		854	
2.DB	812	684		541	
3.DC or DB	85	130		170	
Value-----	S1PTY1_E	S2PTY1_E	S3PTY1_E	S4PTY1_E	S5PTY1_E
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568

.w:currently not working	4687	3784	3459	4224	4289
.x:no pension through job	1722	1247	1518	1735	1611
1.DC	459	304	407	431	343
2.DB	1061	756	908	942	672
3.DC or DB	141	87	92	70	49
Value-----	S6PTYP1_E	S7PTYP1_E	S8PTYP1_E	S9PTYP1_E	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.w:currently not working	4443	4135	3908	3701	
.x:no pension through job	1719	1370	938	993	
1.DC	391	444	422	644	
2.DB	629	515	354	379	
3.DC or DB	60	96	66	103	
Value-----	R1PTYP2_E	R2PTYP2_E	R3PTYP2_E	R4PTYP2_E	R5PTYP2_E
.w:currently not working	7730	6315	5973	6932	6893
.x:no pension through job	4316	3058	3775	4102	3373
1.DC	12	13	5	2	
2.DB	31	36	11	13	6
3.DC or DB	10	10	2	1	2
Value-----	R6PTYP2_E	R7PTYP2_E	R8PTYP2_E	R9PTYP2_E	
.w:currently not working	7033	6546	6120	5852	
.x:no pension through job	3556	3105	2310	2843	
1.DC	2	3	7	15	
2.DB	8	8	7	15	
3.DC or DB	2	4	1	11	
Value-----	S1PTYP2_E	S2PTYP2_E	S3PTYP2_E	S4PTYP2_E	S5PTYP2_E
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.w:currently not working	4687	3784	3459	4224	4289
.x:no pension through job	3342	2347	2910	3165	2669
1.DC	10	10	3	2	
2.DB	24	29	10	11	5
3.DC or DB	7	8	2		1
Value-----	S6PTYP2_E	S7PTYP2_E	S8PTYP2_E	S9PTYP2_E	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.w:currently not working	4443	4135	3908	3701	
.x:no pension through job	2788	2415	1767	2086	
1.DC	1	2	6	13	
2.DB	8	5	6	12	
3.DC or DB	2	3	1	8	
Value-----		R2PTYP3_E			
.w:currently not working		6315			
.x:no pension through job		3111			
1.DC		3			
2.DB		3			
Value-----	R6PTYP3_E		R8PTYP3_E	R9PTYP3_E	
.w:currently not working	7033		6120	5852	
.x:no pension through job	3567		2324	2883	
1.DC			1		
2.DB	1				
3.DC or DB				1	
Value-----		S2PTYP3_E			
.u:Unmar		2671			
.v:SP NR		583			
.w:currently not working		3784			
.x:no pension through job		2389			
1.DC		3			
2.DB		2			
Value-----	S6PTYP3_E		S8PTYP3_E	S9PTYP3_E	
.u:Unmar	2802		2255	2286	
.v:SP NR	557		502	630	

.w:currently not working	4443	3908	3701
.x:no pension through job	2798	1779	2119
1.DC		1	
2.DB	1		

## How Constructed

RwPTY1\_E, RwPTY2\_E and RwPTY3\_E indicate the type of pension the respondent has from their current job. Respondents who are members of their employer's pension schemes are asked whether their pension is more similar to a defined contribution or money purchase pension, described as "Type A: My pension contributions are put into a fund which grows over time and my pension will depend on the size of this fund when I retire," or a defined benefit pension, described as "Type B: My pension will be based on a formula involving age, years of service and salary." A value of 1 indicates that the respondent has a defined contribution or money purchase pension (Type A) through their current job. A value of 2 indicates that the respondent has a defined benefit pension (Type B) through their current job. A value of 3 indicates that the respondent has a defined contribution or defined benefit pension. Don't know, refused, or other missing responses of RwPTY1\_E, RwPTY2\_E and RwPTY3\_E are assigned special missing codes .d, .r, .m, respectively. RwPTY1\_E, RwPTY2\_E and RwPTY3\_E are set to special missing .s if the pension information is unavailable. RwPTY1\_E, RwPTY2\_E, and RwPTY3\_E are set to special missing .w if the respondent is not currently working. RwPTY1\_E, RwPTY2\_E, and RwPTY3\_E are set to special missing .x if the respondent is not a member of any current pension schemes through their job. RwPTY2\_E and RwPTY3\_E are also set to special missing .x if the respondent does not have a second or third employer pension, respectively. RwPTY1\_E, RwPTY2\_E and RwPTY3\_E are set to plain missing (.) for respondents who did not respond to the current wave.

SwPTY1\_E, SwPTY2\_E and SwPTY3\_E indicate the type of pension the current wave's spouse has from their current job, and is taken from the spouse's values to RwPTY1\_E, RwPTY2\_E and RwPTY3\_E. In addition to the special missing codes used in RwPTY1\_E, RwPTY2\_E and RwPTY3\_E, SwPTY1\_E, SwPTY2\_E and SwPTY3\_E employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Please note that some of the ELSA original variables used to derive RwPTY1\_E, RwPTY2\_E and RwPTY3\_E are from the corresponding wave's IFS derived variables data file for all waves, in addition to variables from the wave's core data file.

## Cross Wave Differences in ELSA

Please note that some of the ELSA original variables used to derive RwPTY1\_E, RwPTY2\_E and RwPTY3\_E are from the corresponding wave's IFS derived variables data file for all waves, in addition to variables from the wave's core data file.

## Differences with the RAND HRS/Harmonized HRS

While ELSA asks the type of pension for only employer provided pensions, the HRS asks about the type of pension for 3 to an unlimited number of pensions depending on the wave, and reports the type of up to 4 pensions.

While ELSA describes pensions as Type A:defined contribution and Type B:defined benefit, the HRS has the opposite naming, specifically that pensions are Type A:defined benefit and Type B:defined contribution.

## ELSA Variables Used

### Wave 1 Core:

WPDES which one of these would you say best describes your cur

### Wave 1 IFS Derived:

PP\_NOCC number of occupational pensions curr contributing to (an  
 PP\_OCCDB currently contributing to a DB occupational pension  
 PP\_OCCDC currently contributing to a DC occupational pension  
 PP\_OCCNK currently contribution to an occupational pension, DB/DC

### Wave 2 Core:

WPDES Best description of current situation

## Wave 2 IFS Derived:

PP\_NOCC number of occupational pensions curr contributing to (an  
 PP\_NOCCDB number of DB occupational pensions currently contributin  
 PP\_NOCCDC number of DC occupational pensions currently contributin  
 PP\_NOCCNK number of occupational pensions (DB/DC not known) curren  
 PP\_OCCDB currently contributing to a DB occupational pension  
 PP\_OCCDC currently contributing to a DC occupational pension  
 PP\_OCCNK currently contribution to an occupational pension, DB/DC

## Wave 3 Core:

WPDES best description of current situation

## Wave 3 IFS Derived:

PP\_NOCC number of occupational pensions curr contributing to (an  
 PP\_OCCDB currently contributing to a DB occupational pension  
 PP\_OCCDC currently contributing to a DC occupational pension  
 PP\_OCCNK currently contribution to an occupational pension, DB/DC

## Wave 4 Core:

WPDES best description of current situation

## Wave 4 IFS Derived:

PP\_NOCC number of occupational pensions curr contributing to (an  
 PP\_OCCDB currently contributing to a DB occupational pension  
 PP\_OCCDC currently contributing to a DC occupational pension  
 PP\_OCCNK currently contribution to an occupational pension, DB/DC

## Wave 5 Core:

WPDES Best description of current situation

## Wave 5 IFS Derived:

PP\_NOCC number of occupational pensions curr contributing to (an  
 PP\_OCCDB currently contributing to a DB occupational pension  
 PP\_OCCDC currently contributing to a DC occupational pension  
 PP\_OCCNK currently contribution to an occupational pension, DB/DC

## Wave 6 Core:

WPDES best description of current situation

## Wave 6 IFS Derived:

PP\_NOCC number of occupational pensions curr contributing to (an  
 PP\_NOCCDB number of DB occupational pensions currently contributin  
 PP\_NOCCDC number of DC occupational pensions currently contributin  
 PP\_NOCCNK number of occupational pensions (DB/DC not known) curren  
 PP\_OCCDB currently contributing to a DB occupational pension  
 PP\_OCCDC currently contributing to a DC occupational pension  
 PP\_OCCNK currently contribution to an occupational pension, DB/DC

## Wave 7 Core:

WPDES best description of current situation

## Wave 7 IFS Derived:

PP\_NOCC number of occupational pensions curr contributing to (an  
 PP\_OCCDB currently contributing to a DB occupational pension  
 PP\_OCCDC currently contributing to a DC occupational pension  
 PP\_OCCNK currently contribution to an occupational pension, DB/DC

## Wave 8 Core:

WPDES best description of current situation

## Wave 8 IFS Derived:

PP\_NOCC number of occupational pensions curr contributing to (an  
 PP\_OCCDB currently contributing to a DB occupational pension  
 PP\_OCCDC currently contributing to a DC occupational pension  
 PP\_OCCNK currently contribution to an occupational pension, DB/DC

## Wave 9 Core:

WPDES Best description of current situation

## Wave 9 IFS Derived:

PP\_NOCC number of occupational pensions curr contributing to (an  
 PP\_OCCDB currently contributing to a DB occupational pension  
 PP\_OCCDC currently contributing to a DC occupational pension  
 PP\_OCCNK currently contribution to an occupational pension, DB/DC

## **Section K: Physical Measures**



<b>Timed Walk Measurements</b>
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Wave	Variable	Label	Type
1	R1WSPEED1	r1wspeed1:w1 r time for walking speed test 1(sec)	Cont
2	R2WSPEED1	r2wspeed1:w2 r time for walking speed test 1(sec)	Cont
3	R3WSPEED1	r3wspeed1:w3 r time for walking speed test 1(sec)	Cont
4	R4WSPEED1	r4wspeed1:w4 r time for walking speed test 1(sec)	Cont
5	R5WSPEED1	r5wspeed1:w5 r time for walking speed test 1(sec)	Cont
6	R6WSPEED1	r6wspeed1:w6 r time for walking speed test 1(sec)	Cont
7	R7WSPEED1	r7wspeed1:w7 r time for walking speed test 1(sec)	Cont
8	R8WSPEED1	r8wspeed1:w8 r time for walking speed test 1(sec)	Cont
9	R9WSPEED1	r9wspeed1:w9 r time for walking speed test 1(sec)	Cont
1	S1WSPEED1	s1wspeed1:w1 s time for walking speed test 1(sec)	Cont
2	S2WSPEED1	s2wspeed1:w2 s time for walking speed test 1(sec)	Cont
3	S3WSPEED1	s3wspeed1:w3 s time for walking speed test 1(sec)	Cont
4	S4WSPEED1	s4wspeed1:w4 s time for walking speed test 1(sec)	Cont
5	S5WSPEED1	s5wspeed1:w5 s time for walking speed test 1(sec)	Cont
6	S6WSPEED1	s6wspeed1:w6 s time for walking speed test 1(sec)	Cont
7	S7WSPEED1	s7wspeed1:w7 s time for walking speed test 1(sec)	Cont
8	S8WSPEED1	s8wspeed1:w8 s time for walking speed test 1(sec)	Cont
9	S9WSPEED1	s9wspeed1:w9 s time for walking speed test 1(sec)	Cont
1	R1WSPEED2	r1wspeed2:w1 r time for walking speed test 2(sec)	Cont
2	R2WSPEED2	r2wspeed2:w2 r time for walking speed test 2(sec)	Cont
3	R3WSPEED2	r3wspeed2:w3 r time for walking speed test 2(sec)	Cont
4	R4WSPEED2	r4wspeed2:w4 r time for walking speed test 2(sec)	Cont
5	R5WSPEED2	r5wspeed2:w5 r time for walking speed test 2(sec)	Cont
6	R6WSPEED2	r6wspeed2:w6 r time for walking speed test 2(sec)	Cont
7	R7WSPEED2	r7wspeed2:w7 r time for walking speed test 2(sec)	Cont
8	R8WSPEED2	r8wspeed2:w8 r time for walking speed test 2(sec)	Cont
9	R9WSPEED2	r9wspeed2:w9 r time for walking speed test 2(sec)	Cont
1	S1WSPEED2	s1wspeed2:w1 s time for walking speed test 2(sec)	Cont
2	S2WSPEED2	s2wspeed2:w2 s time for walking speed test 2(sec)	Cont
3	S3WSPEED2	s3wspeed2:w3 s time for walking speed test 2(sec)	Cont
4	S4WSPEED2	s4wspeed2:w4 s time for walking speed test 2(sec)	Cont
5	S5WSPEED2	s5wspeed2:w5 s time for walking speed test 2(sec)	Cont
6	S6WSPEED2	s6wspeed2:w6 s time for walking speed test 2(sec)	Cont
7	S7WSPEED2	s7wspeed2:w7 s time for walking speed test 2(sec)	Cont
8	S8WSPEED2	s8wspeed2:w8 s time for walking speed test 2(sec)	Cont
9	S9WSPEED2	s9wspeed2:w9 s time for walking speed test 2(sec)	Cont
1	R1WSPEED	r1wspeed:w1 r average time for walking speed test(sec)	Cont
2	R2WSPEED	r2wspeed:w2 r average time for walking speed test(sec)	Cont
3	R3WSPEED	r3wspeed:w3 r average time for walking speed test(sec)	Cont
4	R4WSPEED	r4wspeed:w4 r average time for walking speed test(sec)	Cont
5	R5WSPEED	r5wspeed:w5 r average time for walking speed test(sec)	Cont
6	R6WSPEED	r6wspeed:w6 r average time for walking speed test(sec)	Cont
7	R7WSPEED	r7wspeed:w7 r average time for walking speed test(sec)	Cont
8	R8WSPEED	r8wspeed:w8 r average time for walking speed test(sec)	Cont
9	R9WSPEED	r9wspeed:w9 r average time for walking speed test(sec)	Cont
1	S1WSPEED	s1wspeed:w1 s average time for walking speed test(sec)	Cont
2	S2WSPEED	s2wspeed:w2 s average time for walking speed test(sec)	Cont
3	S3WSPEED	s3wspeed:w3 s average time for walking speed test(sec)	Cont
4	S4WSPEED	s4wspeed:w4 s average time for walking speed test(sec)	Cont
5	S5WSPEED	s5wspeed:w5 s average time for walking speed test(sec)	Cont
6	S6WSPEED	s6wspeed:w6 s average time for walking speed test(sec)	Cont
7	S7WSPEED	s7wspeed:w7 s average time for walking speed test(sec)	Cont

8	S8WSPEED	s8wspeed:w8	s	average time for walking speed test(sec)		Cont
9	S9WSPEED	s9wspeed:w9	s	average time for walking speed test(sec)		Cont
1	R1WALKCOMP	r1walkcomp:w1	r	willing and able to complete walking speed test	t	Categ
2	R2WALKCOMP	r2walkcomp:w2	r	willing and able to complete walking speed test	t	Categ
3	R3WALKCOMP	r3walkcomp:w3	r	willing and able to complete walking speed test	t	Categ
4	R4WALKCOMP	r4walkcomp:w4	r	willing and able to complete walking speed test	t	Categ
5	R5WALKCOMP	r5walkcomp:w5	r	willing and able to complete walking speed test	t	Categ
6	R6WALKCOMP	r6walkcomp:w6	r	willing and able to complete walking speed test	t	Categ
7	R7WALKCOMP	r7walkcomp:w7	r	willing and able to complete walking speed test	t	Categ
8	R8WALKCOMP	r8walkcomp:w8	r	willing and able to complete walking speed test	t	Categ
9	R9WALKCOMP	r9walkcomp:w9	r	willing and able to complete walking speed test	t	Categ
1	S1WALKCOMP	s1walkcomp:w1	s	willing and able to complete walking speed test	t	Categ
2	S2WALKCOMP	s2walkcomp:w2	s	willing and able to complete walking speed test	t	Categ
3	S3WALKCOMP	s3walkcomp:w3	s	willing and able to complete walking speed test	t	Categ
4	S4WALKCOMP	s4walkcomp:w4	s	willing and able to complete walking speed test	t	Categ
5	S5WALKCOMP	s5walkcomp:w5	s	willing and able to complete walking speed test	t	Categ
6	S6WALKCOMP	s6walkcomp:w6	s	willing and able to complete walking speed test	t	Categ
7	S7WALKCOMP	s7walkcomp:w7	s	willing and able to complete walking speed test	t	Categ
8	S8WALKCOMP	s8walkcomp:w8	s	willing and able to complete walking speed test	t	Categ
9	S9WALKCOMP	s9walkcomp:w9	s	willing and able to complete walking speed test	t	Categ
1	R1WALKFLR	r1walkflr:w1	f	floor surface r's walking speed test		Categ
2	R2WALKFLR	r2walkflr:w2	f	floor surface r's walking speed test		Categ
3	R3WALKFLR	r3walkflr:w3	f	floor surface r's walking speed test		Categ
4	R4WALKFLR	r4walkflr:w4	f	floor surface r's walking speed test		Categ
5	R5WALKFLR	r5walkflr:w5	f	floor surface r's walking speed test		Categ
6	R6WALKFLR	r6walkflr:w6	f	floor surface r's walking speed test		Categ
7	R7WALKFLR	r7walkflr:w7	f	floor surface r's walking speed test		Categ
8	R8WALKFLR	r8walkflr:w8	f	floor surface r's walking speed test		Categ
9	R9WALKFLR	r9walkflr:w9	f	floor surface r's walking speed test		Categ
1	S1WALKFLR	s1walkflr:w1	f	floor surface s's walking speed test		Categ
2	S2WALKFLR	s2walkflr:w2	f	floor surface s's walking speed test		Categ
3	S3WALKFLR	s3walkflr:w3	f	floor surface s's walking speed test		Categ
4	S4WALKFLR	s4walkflr:w4	f	floor surface s's walking speed test		Categ
5	S5WALKFLR	s5walkflr:w5	f	floor surface s's walking speed test		Categ
6	S6WALKFLR	s6walkflr:w6	f	floor surface s's walking speed test		Categ
7	S7WALKFLR	s7walkflr:w7	f	floor surface s's walking speed test		Categ
8	S8WALKFLR	s8walkflr:w8	f	floor surface s's walking speed test		Categ
9	S9WALKFLR	s9walkflr:w9	f	floor surface s's walking speed test		Categ
1	R1WALKAID	r1walkaid:w1	t	type aid used during r's walking speed test		Categ
2	R2WALKAID	r2walkaid:w2	t	type aid used during r's walking speed test		Categ
3	R3WALKAID	r3walkaid:w3	t	type aid used during r's walking speed test		Categ
4	R4WALKAID	r4walkaid:w4	t	type aid used during r's walking speed test		Categ
5	R5WALKAID	r5walkaid:w5	t	type aid used during r's walking speed test		Categ
6	R6WALKAID	r6walkaid:w6	t	type aid used during r's walking speed test		Categ
7	R7WALKAID	r7walkaid:w7	t	type aid used during r's walking speed test		Categ
8	R8WALKAID	r8walkaid:w8	t	type aid used during r's walking speed test		Categ
9	R9WALKAID	r9walkaid:w9	t	type aid used during r's walking speed test		Categ
1	S1WALKAID	s1walkaid:w1	t	type aid used during s's walking speed test		Categ
2	S2WALKAID	s2walkaid:w2	t	type aid used during s's walking speed test		Categ
3	S3WALKAID	s3walkaid:w3	t	type aid used during s's walking speed test		Categ
4	S4WALKAID	s4walkaid:w4	t	type aid used during s's walking speed test		Categ
5	S5WALKAID	s5walkaid:w5	t	type aid used during s's walking speed test		Categ
6	S6WALKAID	s6walkaid:w6	t	type aid used during s's walking speed test		Categ
7	S7WALKAID	s7walkaid:w7	t	type aid used during s's walking speed test		Categ
8	S8WALKAID	s8walkaid:w8	t	type aid used during s's walking speed test		Categ
9	S9WALKAID	s9walkaid:w9	t	type aid used during s's walking speed test		Categ

1	R1WALKPAIN	r1walkpain:w1	r	had	pain	during	walking	speed	test	Categ
2	R2WALKPAIN	r2walkpain:w2	r	had	pain	during	walking	speed	test	Categ
3	R3WALKPAIN	r3walkpain:w3	r	had	pain	during	walking	speed	test	Categ
4	R4WALKPAIN	r4walkpain:w4	r	had	pain	during	walking	speed	test	Categ
5	R5WALKPAIN	r5walkpain:w5	r	had	pain	during	walking	speed	test	Categ
6	R6WALKPAIN	r6walkpain:w6	r	had	pain	during	walking	speed	test	Categ
7	R7WALKPAIN	r7walkpain:w7	r	had	pain	during	walking	speed	test	Categ
8	R8WALKPAIN	r8walkpain:w8	r	had	pain	during	walking	speed	test	Categ
9	R9WALKPAIN	r9walkpain:w9	r	had	pain	during	walking	speed	test	Categ
1	S1WALKPAIN	s1walkpain:w1	s	had	pain	during	walking	speed	test	Categ
2	S2WALKPAIN	s2walkpain:w2	s	had	pain	during	walking	speed	test	Categ
3	S3WALKPAIN	s3walkpain:w3	s	had	pain	during	walking	speed	test	Categ
4	S4WALKPAIN	s4walkpain:w4	s	had	pain	during	walking	speed	test	Categ
5	S5WALKPAIN	s5walkpain:w5	s	had	pain	during	walking	speed	test	Categ
6	S6WALKPAIN	s6walkpain:w6	s	had	pain	during	walking	speed	test	Categ
7	S7WALKPAIN	s7walkpain:w7	s	had	pain	during	walking	speed	test	Categ
8	S8WALKPAIN	s8walkpain:w8	s	had	pain	during	walking	speed	test	Categ
9	S9WALKPAIN	s9walkpain:w9	s	had	pain	during	walking	speed	test	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WSPEED1	6162	3.61	2.74	0.03	90.67
R2WSPEED1	5534	3.48	2.11	1.08	30.95
R3WSPEED1	5247	3.55	2.30	1.06	39.83
R4WSPEED1	6292	3.39	2.03	1.04	37.07
R5WSPEED1	6423	3.27	1.87	1.00	38.78
R6WSPEED1	6454	3.22	1.93	1.00	46.47
R7WSPEED1	6117	3.30	2.21	1.00	50.00
R8WSPEED1	6017	3.36	2.07	1.16	48.03
R9WSPEED1	5514	3.29	1.84	1.01	45.20
S1WSPEED1	3775	3.34	2.45	0.04	90.67
S2WSPEED1	3367	3.16	1.71	1.08	30.95
S3WSPEED1	3163	3.20	1.64	1.08	25.01
S4WSPEED1	3992	3.12	1.64	1.04	37.07
S5WSPEED1	4191	2.98	1.34	1.00	19.67
S6WSPEED1	4304	2.97	1.37	1.04	24.24
S7WSPEED1	4064	3.11	2.14	1.00	50.00
S8WSPEED1	4005	3.15	1.77	1.16	33.30
S9WSPEED1	3628	3.10	1.46	1.01	20.73
R1WSPEED2	6131	3.43	2.41	0.03	62.90
R2WSPEED2	5512	3.32	2.07	1.00	46.00
R3WSPEED2	5240	3.40	2.18	1.00	38.01
R4WSPEED2	6287	3.24	1.91	1.00	41.13
R5WSPEED2	6413	3.13	1.88	1.08	41.51
R6WSPEED2	6443	3.10	1.81	1.00	44.78
R7WSPEED2	6113	3.18	2.08	1.00	50.00
R8WSPEED2	6001	3.22	1.85	1.00	36.00
R9WSPEED2	5508	3.18	1.73	1.02	39.10
S1WSPEED2	3763	3.18	1.93	0.03	25.62
S2WSPEED2	3353	3.02	1.67	1.00	46.00
S3WSPEED2	3161	3.08	1.51	1.00	24.09
S4WSPEED2	3988	2.99	1.47	1.00	31.40
S5WSPEED2	4183	2.86	1.28	1.09	23.27
S6WSPEED2	4296	2.87	1.33	1.00	24.67
S7WSPEED2	4062	3.01	2.05	1.00	50.00
S8WSPEED2	3993	3.02	1.60	1.00	27.90
S9WSPEED2	3625	3.01	1.37	1.06	20.25

R1WSPEED	6128	3.51	2.43	0.04	56.45
R2WSPEED	5512	3.39	2.02	1.04	38.00
R3WSPEED	5239	3.47	2.17	1.12	37.66
R4WSPEED	6287	3.31	1.91	1.08	35.10
R5WSPEED	6413	3.20	1.85	1.07	39.46
R6WSPEED	6443	3.16	1.83	1.00	44.88
R7WSPEED	6113	3.24	2.11	1.00	50.00
R8WSPEED	6001	3.27	1.84	1.20	36.65
R9WSPEED	5508	3.23	1.76	1.01	42.15
S1WSPEED	3760	3.25	2.06	0.04	50.62
S2WSPEED	3353	3.08	1.62	1.04	38.00
S3WSPEED	3161	3.14	1.52	1.24	24.55
S4WSPEED	3988	3.05	1.48	1.22	31.35
S5WSPEED	4183	2.92	1.29	1.11	21.36
S6WSPEED	4296	2.92	1.32	1.13	24.45
S7WSPEED	4062	3.05	2.06	1.00	50.00
S8WSPEED	3993	3.07	1.59	1.20	27.10
S9WSPEED	3625	3.06	1.39	1.07	19.00
R1WALKCOMP	7087	0.88	0.33	0.00	1.00
R2WALKCOMP	6142	0.90	0.30	0.00	1.00
R3WALKCOMP	5730	0.92	0.28	0.00	1.00
R4WALKCOMP	7018	0.90	0.30	0.00	1.00
R5WALKCOMP	7149	0.90	0.30	0.00	1.00
R6WALKCOMP	7241	0.89	0.31	0.00	1.00
R7WALKCOMP	6965	0.88	0.33	0.00	1.00
R8WALKCOMP	6716	0.90	0.31	0.00	1.00
R9WALKCOMP	6280	0.88	0.33	0.00	1.00
S1WALKCOMP	4261	0.89	0.31	0.00	1.00
S2WALKCOMP	3686	0.91	0.28	0.00	1.00
S3WALKCOMP	3366	0.94	0.24	0.00	1.00
S4WALKCOMP	4362	0.92	0.28	0.00	1.00
S5WALKCOMP	4545	0.92	0.27	0.00	1.00
S6WALKCOMP	4698	0.92	0.28	0.00	1.00
S7WALKCOMP	4503	0.90	0.30	0.00	1.00
S8WALKCOMP	4364	0.92	0.27	0.00	1.00
S9WALKCOMP	4029	0.90	0.30	0.00	1.00
R1WALKFLR	6200	2.11	0.67	1.00	6.00
R2WALKFLR	5530	2.04	0.65	1.00	6.00
R3WALKFLR	5249	1.99	0.65	1.00	6.00
R4WALKFLR	6295	1.94	0.68	1.00	6.00
R5WALKFLR	6424	1.88	0.66	1.00	6.00
R6WALKFLR	6455	1.82	0.64	1.00	6.00
R7WALKFLR	6119	1.79	0.67	1.00	6.00
R8WALKFLR	6018	1.72	0.71	1.00	6.00
R9WALKFLR	5515	1.67	0.71	1.00	6.00
S1WALKFLR	3801	2.11	0.69	1.00	6.00
S2WALKFLR	3363	2.05	0.66	1.00	6.00
S3WALKFLR	3164	1.98	0.67	1.00	6.00
S4WALKFLR	3995	1.94	0.70	1.00	6.00
S5WALKFLR	4192	1.87	0.66	1.00	6.00
S6WALKFLR	4304	1.80	0.65	1.00	6.00
S7WALKFLR	4065	1.78	0.67	1.00	6.00
S8WALKFLR	4005	1.71	0.73	1.00	6.00
S9WALKFLR	3629	1.65	0.72	1.00	6.00
R1WALKAID	6201	1.05	0.31	1.00	5.00
R2WALKAID	5528	1.05	0.29	1.00	5.00

R3WALKAID	5248	1.05	0.32	1.00	5.00
R4WALKAID	6290	1.04	0.29	1.00	5.00
R5WALKAID	6423	1.04	0.25	1.00	5.00
R6WALKAID	6454	1.04	0.28	1.00	5.00
R7WALKAID	6117	1.03	0.26	1.00	5.00
R8WALKAID	6018	1.04	0.28	1.00	5.00
R9WALKAID	5515	1.04	0.27	1.00	5.00
S1WALKAID	3800	1.03	0.23	1.00	5.00
S2WALKAID	3361	1.03	0.22	1.00	5.00
S3WALKAID	3163	1.03	0.25	1.00	5.00
S4WALKAID	3991	1.02	0.22	1.00	5.00
S5WALKAID	4192	1.02	0.18	1.00	5.00
S6WALKAID	4304	1.02	0.19	1.00	5.00
S7WALKAID	4064	1.02	0.20	1.00	5.00
S8WALKAID	4005	1.02	0.17	1.00	5.00
S9WALKAID	3629	1.02	0.21	1.00	5.00
R1WALKPAIN	6200	0.14	0.34	0.00	1.00
R2WALKPAIN	5525	0.12	0.33	0.00	1.00
R3WALKPAIN	5248	0.12	0.32	0.00	1.00
R4WALKPAIN	6294	0.11	0.31	0.00	1.00
R5WALKPAIN	6423	0.10	0.31	0.00	1.00
R6WALKPAIN	6455	0.10	0.30	0.00	1.00
R7WALKPAIN	6118	0.09	0.29	0.00	1.00
R8WALKPAIN	6018	0.09	0.29	0.00	1.00
R9WALKPAIN	5515	0.09	0.29	0.00	1.00
S1WALKPAIN	3800	0.13	0.34	0.00	1.00
S2WALKPAIN	3358	0.11	0.32	0.00	1.00
S3WALKPAIN	3163	0.12	0.32	0.00	1.00
S4WALKPAIN	3994	0.10	0.30	0.00	1.00
S5WALKPAIN	4192	0.09	0.29	0.00	1.00
S6WALKPAIN	4304	0.09	0.29	0.00	1.00
S7WALKPAIN	4065	0.09	0.28	0.00	1.00
S8WALKPAIN	4005	0.09	0.29	0.00	1.00
S9WALKPAIN	3629	0.08	0.28	0.00	1.00

**Categorical Variable Codes**

Value-----	R1WALKCOMP	R2WALKCOMP	R3WALKCOMP	R4WALKCOMP	R5WALKCOMP
.d:DK			2	1	1
.e:error				1	
.m:Missing	32	12	6		1
.r:Refuse				1	
.s:skipped	4980	3278	4028	4029	3123
0.no	877	604	481	721	725
1.yes	6210	5538	5249	6297	6424
Value-----	R6WALKCOMP	R7WALKCOMP	R8WALKCOMP	R9WALKCOMP	
.m:Missing	2		4	3	
.s:skipped	3358	2701	1725	2453	
0.no	786	846	698	765	
1.yes	6455	6119	6018	5515	
Value-----	S1WALKCOMP	S2WALKCOMP	S3WALKCOMP	S4WALKCOMP	S5WALKCOMP
.d:DK			1		
.m:Missing	26	10	4		
.r:Refuse				1	
.s:skipped	3783	2482	3013	3039	2419
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	454	316	202	366	353
1.yes	3807	3370	3164	3996	4192

Value-----	S6WALKCOMP	S7WALKCOMP	S8WALKCOMP	S9WALKCOMP	
.m:Missing	1		2	1	
.s:skipped	2543	2057	1322	1790	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	394	438	359	400	
1.yes	4304	4065	4005	3629	
Value-----	R1WALKFLR	R2WALKFLR	R3WALKFLR	R4WALKFLR	R5WALKFLR
.d:DK	13	34	50	36	43
.e:error				1	
.i:irrelevant response	2	2		1	
.m:Missing	34	12	8	1	3
.n:not willing/able	743	521	423	634	666
.r:Refuse	112	49	5	46	8
.s:skipped	4980	3278	4028	4029	3123
.x:tried but unable	15	6	3	7	7
1.linoleum/tile/wood	694	806	950	1347	1597
2.low-pile carpet	4440	3848	3590	4175	4185
3.thick-pile carpet	849	750	570	620	505
4.concrete	177	100	126	122	117
5.not sure		4	1	4	2
6.other	40	22	12	27	18
Value-----	R6WALKFLR	R7WALKFLR	R8WALKFLR	R9WALKFLR	
.d:DK	11	14	9	5	
.m:Missing	4	4	4	5	
.n:not willing/able	760	807	667	745	
.r:Refuse	4	11	7	7	
.s:skipped	3358	2701	1725	2453	
.x:tried but unable	9	10	15	6	
1.linoleum/tile/wood	1840	1928	2352	2396	
2.low-pile carpet	4081	3702	3200	2678	
3.thick-pile carpet	432	368	312	325	
4.concrete	88	99	134	103	
5.not sure		1			
6.other	14	21	20	13	
Value-----	S1WALKFLR	S2WALKFLR	S3WALKFLR	S4WALKFLR	S5WALKFLR
.d:DK	9	22	25	26	30
.i:irrelevant response		2		1	
.m:Missing	28	10	5		
.n:not willing/able	363	262	173	309	317
.r:Refuse	76	33	4	28	3
.s:skipped	3783	2482	3013	3039	2419
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:tried but unable	10	4		4	3
1.linoleum/tile/wood	451	524	604	891	1093
2.low-pile carpet	2667	2264	2121	2602	2646
3.thick-pile carpet	535	496	340	401	363
4.concrete	124	64	92	76	82
5.not sure		4	1	4	1
6.other	24	11	6	21	7
Value-----	S6WALKFLR	S7WALKFLR	S8WALKFLR	S9WALKFLR	
.d:DK	6	9	5		
.m:Missing	2	3	2	3	
.n:not willing/able	378	411	342	390	
.r:Refuse	3	9	1	5	
.s:skipped	2543	2057	1322	1790	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.x:tried but unable	6	6	11	3	
1.linoleum/tile/wood	1291	1336	1628	1654	
2.low-pile carpet	2650	2406	2047	1676	
3.thick-pile carpet	291	244	213	217	
4.concrete	64	67	104	74	
6.other	8	12	13	8	
Value-----	R1WALKAID	R2WALKAID	R3WALKAID	R4WALKAID	R5WALKAID

.d:DK	13	37	51	41	44
.e:error				1	
.m:Missing	34	12	8	1	3
.n:not willing/able	743	521	423	634	666
.r:Refuse	113	50	5	47	8
.s:skipped	4980	3278	4028	4029	3123
.x:tried but unable	15	6	3	7	7
1.none	5989	5323	5061	6097	6241
2.walking stick/cane	166	170	140	155	151
3.elbow crutches	13	10	8	11	10
4.walking frame	20	18	34	13	16
5.other	13	7	5	14	5

Value-----	R6WALKAID	R7WALKAID	R8WALKAID	R9WALKAID	
.d:DK	12	16	9	5	
.m:Missing	4	4	4	5	
.n:not willing/able	760	807	667	745	
.r:Refuse	4	11	7	7	
.s:skipped	3358	2701	1725	2453	
.x:tried but unable	9	10	15	6	
1.none	6272	5970	5862	5367	
2.walking stick/cane	139	117	115	115	
3.elbow crutches	12	8	10	12	
4.walking frame	25	13	24	13	
5.other	6	9	7	8	

Value-----	S1WALKAID	S2WALKAID	S3WALKAID	S4WALKAID	S5WALKAID
.d:DK	9	25	26	31	30
.m:Missing	28	10	5		
.n:not willing/able	363	262	173	309	317
.r:Refuse	77	34	4	28	3
.s:skipped	3783	2482	3013	3039	2419
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:tried but unable	10	4		4	3
1.none	3718	3288	3100	3921	4123
2.walking stick/cane	69	61	45	56	60
3.elbow crutches	4	5	6	5	4
4.walking frame	3	4	9	3	2
5.other	6	3	3	6	3

Value-----	S6WALKAID	S7WALKAID	S8WALKAID	S9WALKAID	
.d:DK	6	10	5		
.m:Missing	2	3	2	3	
.n:not willing/able	378	411	342	390	
.r:Refuse	3	9	1	5	
.s:skipped	2543	2057	1322	1790	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.x:tried but unable	6	6	11	3	
1.none	4239	4007	3951	3565	
2.walking stick/cane	49	46	45	51	
3.elbow crutches	9	4	5	6	
4.walking frame	5	2	2	3	
5.other	2	5	2	4	

Value-----	R1WALKPAIN	R2WALKPAIN	R3WALKPAIN	R4WALKPAIN	R5WALKPAIN
.d:DK	14	40	51	38	44
.e:error				1	
.m:Missing	34	12	8	1	3
.n:not willing/able	743	521	423	635	666
.r:Refuse	113	50	5	45	8
.s:skipped	4980	3278	4028	4029	3123
.x:tried but unable	15	6	3	7	7
0.no	5355	4852	4628	5623	5754
1.yes	845	673	620	671	669

Value-----	R6WALKPAIN	R7WALKPAIN	R8WALKPAIN	R9WALKPAIN	
.d:DK	11	15	9	5	
.m:Missing	4	4	4	5	
.n:not willing/able	760	807	667	745	

.r:Refuse	4	11	7	7	
.s:skipped	3358	2701	1725	2453	
.x:tried but unable	9	10	15	6	
0.no	5787	5543	5457	5019	
1.yes	668	575	561	496	
Value-----	S1WALKPAIN	S2WALKPAIN	S3WALKPAIN	S4WALKPAIN	S5WALKPAIN
.d:DK	9	28	26	28	30
.m:Missing	28	10	5		
.n:not willing/able	363	262	173	310	317
.r:Refuse	77	34	4	27	3
.s:skipped	3783	2482	3013	3039	2419
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:tried but unable	10	4		4	3
0.no	3303	2976	2793	3581	3799
1.yes	497	382	370	413	393
Value-----	S6WALKPAIN	S7WALKPAIN	S8WALKPAIN	S9WALKPAIN	
.d:DK	6	9	5		
.m:Missing	2	3	2	3	
.n:not willing/able	378	411	342	390	
.r:Refuse	3	9	1	5	
.s:skipped	2543	2057	1322	1790	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.x:tried but unable	6	6	11	3	
0.no	3896	3712	3637	3327	
1.yes	408	353	368	302	

## General Comments:

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

## How Constructed

Please note that the walking speed tests are conducted during the core interview, rather than in the nurse interview like all other physical measurements.

RwWSPEED1 and RwWSPEED2 indicate the first and second walking speed of the respondent across an 8-foot area in seconds. RwWSPEED indicates the average of the first and second walking speed of the respondent in seconds. Special missing .x is assigned if the respondent attempted to do the tests but was unable to complete them, or the respondent was stopped by the interviewer because of safety reasons. Special missing .n is assigned if the walking speed tests were skipped because the respondent was not able to walk alone without holding on to another person, did not have a walking aid available, had recent surgery, injury, or other health condition, was not willing to do the walking test, did not feel it was safe to do the walking test, or there was no suitable space. Special missing .s is assigned if the walking speed tests were skipped because the respondent was under the age of 60 or if the interview was being conducted by proxy. In Wave 1, special missing .i is assigned if the time provided for the walking speed tests was 101 seconds or greater. In Wave 4, special missing .e is assigned if walking speed tests were missing by error. Don't know, refused, or other missing responses for the walking tests are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwWSPEED1, SwWSPEED2 and SwWSPEED indicate the first, second, and average walking speed of the respondent's current wave's spouse, and are taken from RwWSPEED1, RwWSPEED2, and RwWSPEED. In addition to the special missing codes used for RwWSPEED1, RwWSPEED2, and RwWSPEED, SwWSPEED1, SwWSPEED2 and SwWSPEED employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwWALKCOMP indicates whether the respondent was willing and able to complete the walking speed tests. RwWALKCOMP is coded as 1 if the respondent was capable of walking alone without holding on to another person, did not report problems from recent surgery, injury, or other health conditions that might prevent them from walking, was willing to participate, felt safe doing the test, there was a suitable



space available, and the respondent completed at least one walking speed test. RwWALKCOMP is coded as 0 if the respondent was not able to walk alone without holding on to another person, did not have a walking aid available, had recent surgery, injury, or other health condition, was not willing to do the walking test, did not feel it was safe to do the walking test, there was no suitable space, or the respondent failed to complete any walking speed tests. Special missing .s is assigned if the walking speed tests were skipped because the respondent was under the age of 60 or if the interview was being conducted by proxy. In Wave 4, special missing e. is assigned if walking speed tests were missing by error. Don't know, refused, or other missing responses for the walking speed tests are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwWALKCOMP indicates whether the respondent's current wave's spouse was willing and able to complete the walking speed test, and its values are taken from RwWALKCOMP. In addition to the special missing codes employed by RwWALKCOMP, SwWALKCOMP employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwWALKFLR indicates the floor surface for the respondent's walking speed tests. RwWALKFLR is coded as follows: 1.linoleum/tile/wood, 2.low-pile carpet, 3.thick-pile carpet, 4.concrete, 5.not sure, 6.other. RwWALKFLR is coded as 4.concrete if the respondent's walking speed tests took place on concrete or stone or block paving, and is coded as 6.other if the respondent's walking speed tests took place on another floor surface, grass, plastic mat, or a non-codeable answer. RwWALKFLR is assigned special missing .i if the floor type provided was deemed as an irrelevant response. RwWALKAID indicates what type of aid the respondent used during the walking speed tests. RwWALKAID is coded as follows: 1.none, 2.walking stick/cane, 3.elbow crutches, 4.walking frame, 5.other. RwWALKPAIN indicates whether the respondent had pain while performing the walking speed tests, and is coded as 0.no and 1.yes. Special missing .x is assigned to RwWALKFLR, RwWALKAID, and RwWALKPAIN if the respondent attempted to do the tests but were unable to complete them, or the respondent was stopped by the interviewer because of safety reasons. Special missing .n is assigned to these variables if the walking speed tests were skipped because the respondent was not able to walk alone without holding on to another person, did not have a walking aid available, had recent surgery, injury, or other health condition, was not willing to do the walking test, did not feel it was safe to do the walking test, or there was no suitable space. Special missing .s is assigned to these variables if the walking speed tests were skipped because the respondent was under the age of 60 or if the interview was being conducted by proxy. In Wave 4, special missing .e was assigned to these variables if walking speed tests were missing by error. Don't know, refused, or other missing responses for the walking tests are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwWALKFLR, SwWALKAID, and SwWALKPAIN indicate the floor surface, walking aid used, and whether pain was experienced during the respondent's current wave's spouse's walking speed tests, and their values are taken from RwWALKFLR, RwWALKAID, and RwWALKPAIN. In addition to the special missing codes used for RwWALKFLR, RwWALKAID, and RwWALKPAIN, SwWALKFLR, SwWALKAID, and SwWALKPAIN employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Starting in Wave 9, RwWALKFLR is also coded as 4.concrete if the respondent's walking speed tests took place on concrete or stone or block paving, and is coded as 6.other if the respondent's walking speed tests took place on another surface, grass, plastic mat, or a non-codeable answer.

## Differences with the RAND HRS/Harmonized HRS

The HRS conducts walking speed tests on respondents aged 65 and older, whereas the ELSA conducts walking speed tests on respondents aged 60 and older. Additionally, the HRS only asks respondents taking part in the enhanced face-to-face interview to take part in the walking speed tests, while the ELSA does not have a similar restriction.

The HRS conducts the walking speed test at a distance of 12 feet, whereas the ELSA conducts the walking speed test at a distance of 8 feet.

The HRS does not ask whether the respondent experienced pain during the walking speed tests, and so `RwWALKPAIN` is not available in the Harmonized HRS.

The walking speed tests are available starting in Wave 7 of the HRS, with corresponding variables in the Harmonized HRS, while the walking speed tests are available in every wave of ELSA, with corresponding variables in the Harmonized ELSA.

## ELSA Variables Used

### Wave 1 Core:

<code>MMAID</code>	type of aid used
<code>MMALONE</code>	able to walk alone (with aid)?
<code>MMAVSP</code>	interviewer feels suitable space available?
<code>MMHSS</code>	health condition preventing walking?
<code>MMPAIN</code>	had pain whilst walking?
<code>MMRECR</code>	type of floor surface
<code>MMSAF</code>	interviewer feels it is safe to continue?
<code>MMTRYA</code>	outcome of first walk
<code>MMTRYB</code>	outcome of second walk
<code>MMWALA</code>	respondent feels walk would be safe?
<code>MMWILL</code>	willing to do walking test?
<code>MMWLKA</code>	time taken for first walk (seconds)
<code>MMWLKB</code>	time taken for second walk (seconds)

### Wave 2 Core:

<code>MMAID</code>	Type of aid used
<code>MMALONE</code>	Whether able to walk alone (with aid)
<code>MMAVSP</code>	Whether interviewer feels suitable space available
<code>MMHSS</code>	Whether health condition prevents from walking
<code>MMPAIN</code>	Whether had pain whilst walking
<code>MMRECR</code>	Type of floor surface
<code>MMSAF</code>	Whether interviewer feels it is safe to continue
<code>MMTRYA</code>	Outcome of first walk
<code>MMTRYB</code>	Outcome of second walk
<code>MMWALA</code>	Whether respondent feels walk would be safe
<code>MMWILL</code>	Whether willing to do walking test
<code>MMWLKA</code>	Time taken for first walk (seconds)
<code>MMWLKB</code>	Time taken for second walk (seconds)

### Wave 3 Core:

<code>MMAID</code>	type of aid used
<code>MMALONE</code>	whether able to walk alone (with aid)
<code>MMAVSP</code>	whether interviewer feels suitable space available
<code>MMHSS</code>	whether health condition prevents from walking
<code>MMPAIN</code>	whether had pain whilst walking
<code>MMRECR</code>	type of floor surface
<code>MMSAF</code>	whether interviewer feels it is safe to do walking test
<code>MMTRYA</code>	outcome of first walk
<code>MMTRYB</code>	outcome of second walk
<code>MMWALA</code>	whether respondent feels walk would be safe
<code>MMWILL</code>	whether willing to do walking test
<code>MMWLKA</code>	time taken for first walk (seconds)
<code>MMWLKB</code>	time taken for second walk (seconds)

### Wave 4 Core:

<code>MMAID</code>	type of walking aid used
<code>MMALONE</code>	whether able to walk alone (with walking aid if necessary)
<code>MMAVSP</code>	whether interviewer feels suitable space available
<code>MMHSS</code>	whether health condition prevents from walking
<code>MMPAIN</code>	whether had pain whilst walking
<code>MMRECR</code>	type of floor surface
<code>MMSAF</code>	whether interviewer feels it is safe to do walking test
<code>MMTRYA</code>	outcome of first walk
<code>MMTRYB</code>	outcome of second walk
<code>MMWALA</code>	whether respondent feels walk would be safe

MMWILL	whether willing to do walking test
MMWLKA	time taken for first walk (in seconds)
MMWLKB	time taken for second walk (in seconds)
Wave 5 Core:	
MMAID	Type of walking aid used
MMALONE	Whether able to walk alone (with walking aid if necessar
MMAVSP	Whether interviewer feels suitable space available
MMHSS	Whether health condition prevents from walking
MMPAIN	Whether had pain whilst walking
MMRECR	Type of floor surface
MMSAF	Whether interviewer feels it is safe to do walking test
MMTRYA	Outcome of first walk
MMTRYB	Outcome of second walk
MMWALA	Whether respondent feels walk would be safe
MMWILL	Whether willing to do walking test
MMWLKA	Time taken for first walk (in seconds)
MMWLKB	Time taken for second walk (in seconds)
Wave 6 Core:	
MMAID	type of walking aid used
MMALONE	whether able to walk alone (with walking aid if necessar
MMAVSP	whether interviewer feels suitable space available
MMHSS	whether health condition prevents from walking
MMPAIN	whether had pain whilst walking
MMRECR	type of floor surface
MMSAF	whether interviewer feels it is safe to do walking test
MMTRYA	outcome of first walk
MMTRYB	outcome of second walk
MMWALA	whether respondent feels walk would be safe
MMWILL	whether willing to do walking test
MMWLKA	time taken for first walk (in seconds)
MMWLKB	time taken for second walk (in seconds)
Wave 7 Core:	
MMAID	type of walking aid used
MMALONE	whether able to walk alone (with walking aid if necessar
MMAVSP	whether interviewer feels suitable space available
MMHSS	whether health condition prevents from walking
MMPAIN	whether had pain whilst walking
MMRECR	type of floor surface
MMSAF	whether interviewer feels it is safe to do walking test
MMTRYA	outcome of first walk
MMTRYB	outcome of second walk
MMWALA	whether respondent feels walk would be safe
MMWILL	whether willing to do walking test
MMWLKA	time taken for first walk (in seconds)
MMWLKB	time taken for second walk (in seconds)
Wave 8 Core:	
MMAID	timed walk: type of walking aid used
MMALONE	timed walk: whether able to walk alone (with walking aid
MMAVSP	timed walk: whether interviewer feels suitable space ava
MMHSS	timed walk: whether health condition prevents from walki
MMPAIN	timed walk: whether had pain whilst walking
MMRECR	timed walk: type of floor surface
MMSAF	timed walk: whether interviewer feels it is safe to do
MMTRYA	timed walk: outcome of first walk
MMTRYB	timed walk: outcome of second walk
MMWALA	timed walk: whether respondent feels walk would be safe
MMWILL	timed walk: whether willing to do walking test
MMWLKA	timed walk: time taken for first walk (in seconds)
MMWLKB	timed walk: time taken for second walk (in seconds)
Wave 9 Core:	
MMAID	Timed walk: type of walking aid used
MMALONE	Timed walk: whether able to walk alone (with walking aid
MMAVSP	Timed walk: whether interviewer feels suitable space ava

MMHSS	Timed walk: whether health condition prevents from walki
MMPAIN	Timed walk: whether had pain whilst walking
MMRECR	Timed walk: type of floor surface
MMSAF	Timed walk: whether interviewer feels it is safe to do
MMTRYA	Timed walk: outcome of first walk
MMTRYB	Timed walk: outcome of second walk
MMWALA	Timed walk: whether respondent feels walk would be safe
MMWILL	Timed walk: whether willing to do walking test
MMWLKA	Timed walk: time taken for first walk (in seconds)
MMWLKB	Timed walk: time taken for second walk (in seconds)

<b>Timed Walk Measurements: Reasons Didn't Complete</b>
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Wave	Variable	Label	Type
1	R1WALKSFT	r1walksft:w1 r didn't complete walking: unsafe/health reason	Categ
2	R2WALKSFT	r2walksft:w2 r didn't complete walking: unsafe/health reason	Categ
3	R3WALKSFT	r3walksft:w3 r didn't complete walking: unsafe/health reason	Categ
4	R4WALKSFT	r4walksft:w4 r didn't complete walking: unsafe/health reason	Categ
5	R5WALKSFT	r5walksft:w5 r didn't complete walking: unsafe/health reason	Categ
6	R6WALKSFT	r6walksft:w6 r didn't complete walking: unsafe/health reason	Categ
7	R7WALKSFT	r7walksft:w7 r didn't complete walking: unsafe/health reason	Categ
8	R8WALKSFT	r8walksft:w8 r didn't complete walking: unsafe/health reason	Categ
9	R9WALKSFT	r9walksft:w9 r didn't complete walking: unsafe/health reason	Categ
1	S1WALKSFT	s1walksft:w1 s didn't complete walking: unsafe/health reason	Categ
2	S2WALKSFT	s2walksft:w2 s didn't complete walking: unsafe/health reason	Categ
3	S3WALKSFT	s3walksft:w3 s didn't complete walking: unsafe/health reason	Categ
4	S4WALKSFT	s4walksft:w4 s didn't complete walking: unsafe/health reason	Categ
5	S5WALKSFT	s5walksft:w5 s didn't complete walking: unsafe/health reason	Categ
6	S6WALKSFT	s6walksft:w6 s didn't complete walking: unsafe/health reason	Categ
7	S7WALKSFT	s7walksft:w7 s didn't complete walking: unsafe/health reason	Categ
8	S8WALKSFT	s8walksft:w8 s didn't complete walking: unsafe/health reason	Categ
9	S9WALKSFT	s9walksft:w9 s didn't complete walking: unsafe/health reason	Categ
1	R1WALKREF	r1walkref:w1 r didn't complete walking: refused	Categ
2	R2WALKREF	r2walkref:w2 r didn't complete walking: refused	Categ
3	R3WALKREF	r3walkref:w3 r didn't complete walking: refused	Categ
4	R4WALKREF	r4walkref:w4 r didn't complete walking: refused	Categ
5	R5WALKREF	r5walkref:w5 r didn't complete walking: refused	Categ
6	R6WALKREF	r6walkref:w6 r didn't complete walking: refused	Categ
7	R7WALKREF	r7walkref:w7 r didn't complete walking: refused	Categ
8	R8WALKREF	r8walkref:w8 r didn't complete walking: refused	Categ
9	R9WALKREF	r9walkref:w9 r didn't complete walking: refused	Categ
1	S1WALKREF	s1walkref:w1 s didn't complete walking: refused	Categ
2	S2WALKREF	s2walkref:w2 s didn't complete walking: refused	Categ
3	S3WALKREF	s3walkref:w3 s didn't complete walking: refused	Categ
4	S4WALKREF	s4walkref:w4 s didn't complete walking: refused	Categ
5	S5WALKREF	s5walkref:w5 s didn't complete walking: refused	Categ
6	S6WALKREF	s6walkref:w6 s didn't complete walking: refused	Categ
7	S7WALKREF	s7walkref:w7 s didn't complete walking: refused	Categ
8	S8WALKREF	s8walkref:w8 s didn't complete walking: refused	Categ
9	S9WALKREF	s9walkref:w9 s didn't complete walking: refused	Categ
1	R1WALKTRYU	r1walktryu:w1 r didn't complete walking: tried but unable	Categ
2	R2WALKTRYU	r2walktryu:w2 r didn't complete walking: tried but unable	Categ
3	R3WALKTRYU	r3walktryu:w3 r didn't complete walking: tried but unable	Categ
4	R4WALKTRYU	r4walktryu:w4 r didn't complete walking: tried but unable	Categ
5	R5WALKTRYU	r5walktryu:w5 r didn't complete walking: tried but unable	Categ
6	R6WALKTRYU	r6walktryu:w6 r didn't complete walking: tried but unable	Categ
7	R7WALKTRYU	r7walktryu:w7 r didn't complete walking: tried but unable	Categ
8	R8WALKTRYU	r8walktryu:w8 r didn't complete walking: tried but unable	Categ
9	R9WALKTRYU	r9walktryu:w9 r didn't complete walking: tried but unable	Categ
1	S1WALKTRYU	s1walktryu:w1 s didn't complete walking: tried but unable	Categ
2	S2WALKTRYU	s2walktryu:w2 s didn't complete walking: tried but unable	Categ
3	S3WALKTRYU	s3walktryu:w3 s didn't complete walking: tried but unable	Categ
4	S4WALKTRYU	s4walktryu:w4 s didn't complete walking: tried but unable	Categ
5	S5WALKTRYU	s5walktryu:w5 s didn't complete walking: tried but unable	Categ
6	S6WALKTRYU	s6walktryu:w6 s didn't complete walking: tried but unable	Categ
7	S7WALKTRYU	s7walktryu:w7 s didn't complete walking: tried but unable	Categ

8	S8WALKTRYU	s8walktryu:w8	s	didn't complete walking:	tried but unable	Categ
9	S9WALKTRYU	s9walktryu:w9	s	didn't complete walking:	tried but unable	Categ
1	R1WALKEQUP	r1walkequp:w1	r	didn't complete walking:	faulty equipment/no	Categ
2	R2WALKEQUP	r2walkequp:w2	r	didn't complete walking:	faulty equipment/no	Categ
3	R3WALKEQUP	r3walkequp:w3	r	didn't complete walking:	faulty equipment/no	Categ
4	R4WALKEQUP	r4walkequp:w4	r	didn't complete walking:	faulty equipment/no	Categ
5	R5WALKEQUP	r5walkequp:w5	r	didn't complete walking:	faulty equipment/no	Categ
6	R6WALKEQUP	r6walkequp:w6	r	didn't complete walking:	faulty equipment/no	Categ
7	R7WALKEQUP	r7walkequp:w7	r	didn't complete walking:	faulty equipment/no	Categ
8	R8WALKEQUP	r8walkequp:w8	r	didn't complete walking:	faulty equipment/no	Categ
9	R9WALKEQUP	r9walkequp:w9	r	didn't complete walking:	faulty equipment/no	Categ
1	S1WALKEQUP	s1walkequp:w1	s	didn't complete walking:	faulty equipment/no	Categ
2	S2WALKEQUP	s2walkequp:w2	s	didn't complete walking:	faulty equipment/no	Categ
3	S3WALKEQUP	s3walkequp:w3	s	didn't complete walking:	faulty equipment/no	Categ
4	S4WALKEQUP	s4walkequp:w4	s	didn't complete walking:	faulty equipment/no	Categ
5	S5WALKEQUP	s5walkequp:w5	s	didn't complete walking:	faulty equipment/no	Categ
6	S6WALKEQUP	s6walkequp:w6	s	didn't complete walking:	faulty equipment/no	Categ
7	S7WALKEQUP	s7walkequp:w7	s	didn't complete walking:	faulty equipment/no	Categ
8	S8WALKEQUP	s8walkequp:w8	s	didn't complete walking:	faulty equipment/no	Categ
9	S9WALKEQUP	s9walkequp:w9	s	didn't complete walking:	faulty equipment/no	Categ
1	R1WALKOTHR	r1walkothr:w1	r	didn't complete walking:	other reason	Categ
2	R2WALKOTHR	r2walkothr:w2	r	didn't complete walking:	other reason	Categ
3	R3WALKOTHR	r3walkothr:w3	r	didn't complete walking:	other reason	Categ
4	R4WALKOTHR	r4walkothr:w4	r	didn't complete walking:	other reason	Categ
5	R5WALKOTHR	r5walkothr:w5	r	didn't complete walking:	other reason	Categ
6	R6WALKOTHR	r6walkothr:w6	r	didn't complete walking:	other reason	Categ
7	R7WALKOTHR	r7walkothr:w7	r	didn't complete walking:	other reason	Categ
8	R8WALKOTHR	r8walkothr:w8	r	didn't complete walking:	other reason	Categ
9	R9WALKOTHR	r9walkothr:w9	r	didn't complete walking:	other reason	Categ
1	S1WALKOTHR	s1walkothr:w1	s	didn't complete walking:	other reason	Categ
2	S2WALKOTHR	s2walkothr:w2	s	didn't complete walking:	other reason	Categ
3	S3WALKOTHR	s3walkothr:w3	s	didn't complete walking:	other reason	Categ
4	S4WALKOTHR	s4walkothr:w4	s	didn't complete walking:	other reason	Categ
5	S5WALKOTHR	s5walkothr:w5	s	didn't complete walking:	other reason	Categ
6	S6WALKOTHR	s6walkothr:w6	s	didn't complete walking:	other reason	Categ
7	S7WALKOTHR	s7walkothr:w7	s	didn't complete walking:	other reason	Categ
8	S8WALKOTHR	s8walkothr:w8	s	didn't complete walking:	other reason	Categ
9	S9WALKOTHR	s9walkothr:w9	s	didn't complete walking:	other reason	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WALKSFT	777	0.59	0.49	0.00	1.00
R2WALKSFT	547	0.60	0.49	0.00	1.00
R3WALKSFT	430	0.64	0.48	0.00	1.00
R4WALKSFT	648	0.66	0.47	0.00	1.00
R5WALKSFT	690	0.61	0.49	0.00	1.00
R6WALKSFT	787	0.53	0.50	0.00	1.00
R7WALKSFT	836	0.56	0.50	0.00	1.00
R8WALKSFT	708	0.58	0.49	0.00	1.00
R9WALKSFT	767	0.50	0.50	0.00	1.00
S1WALKSFT	379	0.51	0.50	0.00	1.00
S2WALKSFT	276	0.55	0.50	0.00	1.00
S3WALKSFT	174	0.56	0.50	0.00	1.00
S4WALKSFT	320	0.61	0.49	0.00	1.00
S5WALKSFT	328	0.54	0.50	0.00	1.00
S6WALKSFT	395	0.39	0.49	0.00	1.00

S7WALKSFT	430	0.45	0.50	0.00	1.00
S8WALKSFT	369	0.49	0.50	0.00	1.00
S9WALKSFT	400	0.41	0.49	0.00	1.00
R1WALKREF	777	0.08	0.27	0.00	1.00
R2WALKREF	547	0.08	0.27	0.00	1.00
R3WALKREF	430	0.10	0.30	0.00	1.00
R4WALKREF	648	0.12	0.32	0.00	1.00
R5WALKREF	690	0.10	0.30	0.00	1.00
R6WALKREF	787	0.12	0.32	0.00	1.00
R7WALKREF	836	0.11	0.31	0.00	1.00
R8WALKREF	708	0.07	0.26	0.00	1.00
R9WALKREF	767	0.12	0.32	0.00	1.00
S1WALKREF	379	0.08	0.27	0.00	1.00
S2WALKREF	276	0.11	0.31	0.00	1.00
S3WALKREF	174	0.11	0.32	0.00	1.00
S4WALKREF	320	0.12	0.32	0.00	1.00
S5WALKREF	328	0.12	0.32	0.00	1.00
S6WALKREF	395	0.16	0.37	0.00	1.00
S7WALKREF	430	0.13	0.33	0.00	1.00
S8WALKREF	369	0.08	0.28	0.00	1.00
S9WALKREF	400	0.14	0.35	0.00	1.00
R1WALKTRYU	780	0.05	0.22	0.00	1.00
R2WALKTRYU	548	0.04	0.19	0.00	1.00
R3WALKTRYU	430	0.02	0.15	0.00	1.00
R4WALKTRYU	648	0.02	0.14	0.00	1.00
R5WALKTRYU	690	0.02	0.15	0.00	1.00
R6WALKTRYU	787	0.02	0.15	0.00	1.00
R7WALKTRYU	836	0.02	0.13	0.00	1.00
R8WALKTRYU	708	0.04	0.20	0.00	1.00
R9WALKTRYU	767	0.01	0.12	0.00	1.00
S1WALKTRYU	382	0.05	0.23	0.00	1.00
S2WALKTRYU	277	0.05	0.22	0.00	1.00
S3WALKTRYU	174	0.01	0.11	0.00	1.00
S4WALKTRYU	320	0.03	0.16	0.00	1.00
S5WALKTRYU	328	0.03	0.17	0.00	1.00
S6WALKTRYU	395	0.03	0.17	0.00	1.00
S7WALKTRYU	430	0.02	0.14	0.00	1.00
S8WALKTRYU	369	0.06	0.23	0.00	1.00
S9WALKTRYU	400	0.01	0.11	0.00	1.00
R1WALKEQUP	777	0.21	0.41	0.00	1.00
R2WALKEQUP	547	0.22	0.41	0.00	1.00
R3WALKEQUP	430	0.16	0.37	0.00	1.00
R4WALKEQUP	648	0.18	0.38	0.00	1.00
R5WALKEQUP	690	0.17	0.38	0.00	1.00
R6WALKEQUP	787	0.18	0.39	0.00	1.00
R7WALKEQUP	836	0.18	0.39	0.00	1.00
R8WALKEQUP	708	0.19	0.39	0.00	1.00
R9WALKEQUP	767	0.19	0.39	0.00	1.00
S1WALKEQUP	379	0.21	0.41	0.00	1.00
S2WALKEQUP	276	0.18	0.39	0.00	1.00
S3WALKEQUP	174	0.14	0.35	0.00	1.00
S4WALKEQUP	320	0.18	0.38	0.00	1.00
S5WALKEQUP	328	0.15	0.36	0.00	1.00
S6WALKEQUP	395	0.17	0.38	0.00	1.00
S7WALKEQUP	430	0.17	0.37	0.00	1.00
S8WALKEQUP	369	0.19	0.39	0.00	1.00
S9WALKEQUP	400	0.21	0.41	0.00	1.00

R1WALKOTHR	777	0.19	0.39	0.00	1.00
R2WALKOTHR	547	0.20	0.40	0.00	1.00
R3WALKOTHR	430	0.15	0.36	0.00	1.00
R4WALKOTHR	648	0.12	0.33	0.00	1.00
R5WALKOTHR	690	0.21	0.41	0.00	1.00
R6WALKOTHR	787	0.24	0.43	0.00	1.00
R7WALKOTHR	836	0.29	0.45	0.00	1.00
R8WALKOTHR	708	0.26	0.44	0.00	1.00
R9WALKOTHR	767	0.32	0.47	0.00	1.00
S1WALKOTHR	379	0.24	0.43	0.00	1.00
S2WALKOTHR	276	0.25	0.43	0.00	1.00
S3WALKOTHR	174	0.20	0.40	0.00	1.00
S4WALKOTHR	320	0.16	0.37	0.00	1.00
S5WALKOTHR	328	0.25	0.44	0.00	1.00
S6WALKOTHR	395	0.31	0.46	0.00	1.00
S7WALKOTHR	430	0.35	0.48	0.00	1.00
S8WALKOTHR	369	0.32	0.47	0.00	1.00
S9WALKOTHR	400	0.37	0.48	0.00	1.00

### Categorical Variable Codes

Value-----	R1WALKSFT	R2WALKSFT	R3WALKSFT	R4WALKSFT	R5WALKSFT
.c:completed test	6181	5518	5241	6289	6414
.d:DK	7	27	49	29	38
.e:error				1	
.m:Missing	32	23	17	16	5
.r:Refuse	122	39	1	38	4
.s:skipped	4980	3278	4028	4029	3123
0.no	315	219	154	221	272
1.yes	462	328	276	427	418

Value-----	R6WALKSFT	R7WALKSFT	R8WALKSFT	R9WALKSFT
.c:completed test	6445	6115	6002	5510
.d:DK	7	9	2	1
.m:Missing	4		5	4
.r:Refuse		5	3	1
.s:skipped	3358	2701	1725	2453
0.no	372	372	297	380
1.yes	415	464	411	387

Value-----	S1WALKSFT	S2WALKSFT	S3WALKSFT	S4WALKSFT	S5WALKSFT
.c:completed test	3793	3358	3162	3990	4184
.d:DK	4	17	25	23	29
.m:Missing	24	18	10	8	2
.r:Refuse	87	27		22	2
.s:skipped	3783	2482	3013	3039	2419
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	186	124	76	124	151
1.yes	193	152	98	196	177

Value-----	S6WALKSFT	S7WALKSFT	S8WALKSFT	S9WALKSFT
.c:completed test	4297	4063	3993	3627
.d:DK	4	6	1	
.m:Missing	3		2	2
.r:Refuse		4	1	1
.s:skipped	2543	2057	1322	1790
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	241	237	190	238
1.yes	154	193	179	162

Value-----	R1WALKREF	R2WALKREF	R3WALKREF	R4WALKREF	R5WALKREF
.c:completed test	6181	5518	5241	6289	6414
.d:DK	7	27	49	29	38



.e:error				1	
.m:Missing	32	23	17	16	5
.r:Refuse	122	39	1	38	4
.s:skipped	4980	3278	4028	4029	3123
0.no	718	503	386	572	620
1.yes	59	44	44	76	70
Value-----	R6WALKREF	R7WALKREF	R8WALKREF	R9WALKREF	
.c:completed test	6445	6115	6002	5510	
.d:DK	7	9	2	1	
.m:Missing	4		5	4	
.r:Refuse		5	3	1	
.s:skipped	3358	2701	1725	2453	
0.no	696	746	657	678	
1.yes	91	90	51	89	
Value-----	S1WALKREF	S2WALKREF	S3WALKREF	S4WALKREF	S5WALKREF
.c:completed test	3793	3358	3162	3990	4184
.d:DK	4	17	25	23	29
.m:Missing	24	18	10	8	2
.r:Refuse	87	27		22	2
.s:skipped	3783	2482	3013	3039	2419
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	348	246	154	282	289
1.yes	31	30	20	38	39
Value-----	S6WALKREF	S7WALKREF	S8WALKREF	S9WALKREF	
.c:completed test	4297	4063	3993	3627	
.d:DK	4	6	1		
.m:Missing	3		2	2	
.r:Refuse		4	1	1	
.s:skipped	2543	2057	1322	1790	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	331	375	338	344	
1.yes	64	55	31	56	
Value-----	R1WALKTRYU	R2WALKTRYU	R3WALKTRYU	R4WALKTRYU	R5WALKTRYU
.c:completed test	6181	5518	5241	6287	6414
.d:DK	7	27	51	32	38
.e:error				1	
.m:Missing	30	22	15	14	5
.r:Refuse	121	39	1	39	4
.s:skipped	4980	3278	4028	4029	3123
0.no	742	527	420	635	674
1.yes	38	21	10	13	16
Value-----	R6WALKTRYU	R7WALKTRYU	R8WALKTRYU	R9WALKTRYU	
.c:completed test	6445	6114	6002	5510	
.d:DK	7	10	2	1	
.m:Missing	4		5	4	
.r:Refuse		5	3	1	
.s:skipped	3358	2701	1725	2453	
0.no	769	822	679	756	
1.yes	18	14	29	11	
Value-----	S1WALKTRYU	S2WALKTRYU	S3WALKTRYU	S4WALKTRYU	S5WALKTRYU
.c:completed test	3793	3358	3162	3988	4184
.d:DK	4	17	26	25	29
.m:Missing	22	17	9	7	2
.r:Refuse	86	27		23	2
.s:skipped	3783	2482	3013	3039	2419
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	361	263	172	312	318
1.yes	21	14	2	8	10
Value-----	S6WALKTRYU	S7WALKTRYU	S8WALKTRYU	S9WALKTRYU	
.c:completed test	4297	4063	3993	3627	
.d:DK	4	6	1		

.m:Missing	3		2	2	
.r:Refuse		4	1	1	
.s:skipped	2543	2057	1322	1790	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	383	422	348	395	
1.yes	12	8	21	5	
Value-----	R1WALKEQP	R2WALKEQP	R3WALKEQP	R4WALKEQP	R5WALKEQP
.c:completed test	6181	5518	5241	6289	6414
.d:DK	7	27	49	29	38
.e:error				1	
.m:Missing	32	23	17	16	5
.r:Refuse	122	39	1	38	4
.s:skipped	4980	3278	4028	4029	3123
0.no	610	428	360	532	571
1.yes	167	119	70	116	119
Value-----	R6WALKEQP	R7WALKEQP	R8WALKEQP	R9WALKEQP	
.c:completed test	6445	6115	6002	5510	
.d:DK	7	9	2	1	
.m:Missing	4		5	4	
.r:Refuse		5	3	1	
.s:skipped	3358	2701	1725	2453	
0.no	643	682	575	620	
1.yes	144	154	133	147	
Value-----	S1WALKEQP	S2WALKEQP	S3WALKEQP	S4WALKEQP	S5WALKEQP
.c:completed test	3793	3358	3162	3990	4184
.d:DK	4	17	25	23	29
.m:Missing	24	18	10	8	2
.r:Refuse	87	27		22	2
.s:skipped	3783	2482	3013	3039	2419
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	300	226	150	264	278
1.yes	79	50	24	56	50
Value-----	S6WALKEQP	S7WALKEQP	S8WALKEQP	S9WALKEQP	
.c:completed test	4297	4063	3993	3627	
.d:DK	4	6	1		
.m:Missing	3		2	2	
.r:Refuse		4	1	1	
.s:skipped	2543	2057	1322	1790	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	327	358	300	317	
1.yes	68	72	69	83	
Value-----	R1WALKOTHR	R2WALKOTHR	R3WALKOTHR	R4WALKOTHR	R5WALKOTHR
.c:completed test	6181	5518	5241	6289	6414
.d:DK	7	27	49	29	38
.e:error				1	
.m:Missing	32	23	17	16	5
.r:Refuse	122	39	1	38	4
.s:skipped	4980	3278	4028	4029	3123
0.no	628	440	365	569	547
1.yes	149	107	65	79	143
Value-----	R6WALKOTHR	R7WALKOTHR	R8WALKOTHR	R9WALKOTHR	
.c:completed test	6445	6115	6002	5510	
.d:DK	7	9	2	1	
.m:Missing	4		5	4	
.r:Refuse		5	3	1	
.s:skipped	3358	2701	1725	2453	
0.no	600	595	524	521	
1.yes	187	241	184	246	
Value-----	S1WALKOTHR	S2WALKOTHR	S3WALKOTHR	S4WALKOTHR	S5WALKOTHR
.c:completed test	3793	3358	3162	3990	4184
.d:DK	4	17	25	23	29

.m:Missing	24	18	10	8	2
.r:Refuse	87	27		22	2
.s:skipped	3783	2482	3013	3039	2419
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	287	208	139	269	245
1.yes	92	68	35	51	83
Value-----	S6WALKOTHR	S7WALKOTHR	S8WALKOTHR	S9WALKOTHR	
.c:completed test	4297	4063	3993	3627	
.d:DK	4	6	1		
.m:Missing	3		2	2	
.r:Refuse		4	1	1	
.s:skipped	2543	2057	1322	1790	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	271	279	250	251	
1.yes	124	151	119	149	

### General Comments:

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

### How Constructed

RwWALKSFT, RwWALKREF, RwWALKTRYU, RwWALKEQUP, and RwWALKOTHR indicate the reasons for the respondent not completing the walking speed tests as reported by the interviewer. The interviewer is asked to report all of the reasons the respondent did not complete the walking tests. RwWALKSFT indicates whether the respondent did not complete the walking tests because they were unable to walk or walk safely, or they were in pain. RwWALKREF indicates whether the respondent did not complete the walking tests because they refused. RwWALKTRYU indicates whether the respondent did not complete the walking tests because they attempted to do the test but were unable to complete it, or the respondent was stopped by the interviewer because of safety reasons. In Waves 1 through 7, RwWALKEQUP indicates whether the respondent did not complete the walking tests because there wasn't a suitable space available to perform the tests. Starting in Wave 8, RwWALKEQUP indicates whether the respondent did not complete the walking tests because there were problems with the stopwatch or there wasn't a suitable space available to perform the tests. RwWALKOTHR indicates whether the respondent did not complete the walking tests because of another reason, an irrelevant response was given, or the module was not completed. RwWALKSFT, RwWALKREF, RwWALKTRYU, RwWALKEQUP, and RwWALKOTHR are coded as 0 if the specific reason was not given for the respondent not completing the walking tests, and are coded as 1 if the specific reason was given. Special missing .c is assigned if the respondent completed both walking tests. Don't know, refuse, and other missing responses to RwWALKSFT, RwWALKREF, RwWALKTRYU, RwWALKEQUP, and RwWALKOTHR are set to special missing .d, .r, and .m, respectively. Special missing .s is assigned if the walking speed tests were skipped because the respondent was under the age of 60 or if the interview was being conducted by proxy. In Wave 4, special missing .e is assigned if the walking speed tests were missing by error. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwWALKSFT, SwWALKREF, SwWALKTRYU, SwWALKEQUP, and SwWALKOTHR indicate the reasons for the respondent's current wave's spouse not taking part in the walking speed tests, and their values are taken from the spouse's values to RwWALKSFT, RwWALKREF, RwWALKTRYU, RwWALKEQUP, and RwWALKOTHR. In addition to the special missing codes employed by RwWALKSFT, RwWALKREF, RwWALKTRYU, RwWALKEQUP, and RwWALKOTHR, SwWALKSFT, SwWALKREF, SwWALKTRYU, SwWALKEQUP, and SwWALKOTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in ELSA

Starting in Wave 8, the interviewer can indicate that the respondent did not complete the walking tests because there were problems with the stopwatch, which was not an option in Waves 1 through 7.

## Differences with the RAND HRS/Harmonized HRS

The HRS conducts walking speed tests on respondents aged 65 and older, whereas the ELSA conducts walking speed tests on respondents aged 60 and older. Additionally, the HRS only asks respondents taking part in the enhanced face-to-face interview to take part in the walking speed tests, while the ELSA does not have a similar restriction.

The HRS conducts the walking speed test at a distance of 12 feet, whereas the ELSA conducts the walking speed test at a distance of 8 feet.

These variables in the Harmonized HRS are available if the respondent did not complete any of the walking speed tests, whereas these variables in the Harmonized ELSA are available if the respondent did not complete all of the walking speed tests.

The walking speed tests are available starting in Wave 7 of the HRS, with corresponding variables in the Harmonized HRS, while the walking speed tests are available in every wave of ELSA, with corresponding variables in the Harmonized ELSA.

## ELSA Variables Used

### Wave 1 Core:

MMALONE	able to walk alone (with aid)?
MMAVSP	interviewer feels suitable space available?
MMCOMZ1	other comments why walking test not completed successfu
MMCOMZ2	other comments why walking test not completed successfu
MMHSS	health condition preventing walking?
MMSAF	interviewer feels it is safe to continue?
MMTRYA	outcome of first walk
MMTRYB	outcome of second walk
MMWALA	respondent feels walk would be safe?
MMWILL	willing to do walking test?

### Wave 2 Core:

MMALONE	Whether able to walk alone (with aid)
MMAVSP	Whether interviewer feels suitable space available
MMCOMZ1	Other comments why walking test not completed successful
MMCOMZ2	Other comments why walking test not completed successful
MMCOMZ3	Other comments why walking test not completed successful
MMHSS	Whether health condition prevents from walking
MMSAF	Whether interviewer feels it is safe to continue
MMTRYA	Outcome of first walk
MMTRYB	Outcome of second walk
MMWALA	Whether respondent feels walk would be safe
MMWILL	Whether willing to do walking test

### Wave 3 Core:

MMALONE	whether able to walk alone (with aid)
MMAVSP	whether interviewer feels suitable space available
MMCOM85	reason non-completion of walk: other
MMCOM86	reason non-completion of walk: irrelevant response
MMCOMNI	reason non-completion of walk: module not completed
MMCOMPA	reason non-completion of walk: in pain
MMCOMRF	reason non-completion of walk: respondent refused
MMCOMSP	reason non-completion of walk: lack of space
MMCOMUN	reason non-completion of walk:unable to walk safely
MMHSS	whether health condition prevents from walking
MMSAF	whether interviewer feels it is safe to do walking test
MMTRYA	outcome of first walk
MMTRYB	outcome of second walk
MMWALA	whether respondent feels walk would be safe
MMWILL	whether willing to do walking test

### Wave 4 Core:

MMALONE	whether able to walk alone (with walking aid if necessar
MMAVSP	whether interviewer feels suitable space available

MMCOM85 reason for non-completion of walk: other  
 MMCOM86 reason for non-completion of walk: irrelevant response  
 MMCOMNI reason for non-completion of walk: module not completed  
 MMCOMPA reason for non-completion of walk: in pain  
 MMCOMRF reason for non-completion of walk: respondent refused  
 MMCOMSP reason for non-completion of walk: lack of space  
 MMCOMUN reason fo non-completion of walk: unable to walk safely  
 MMHSS whether health condition prevents from walking  
 MMSAF whether interviewer feels it is safe to do walking test  
 MMTRYA outcome of first walk  
 MMTRYB outcome of second walk  
 MMWALA whether respondent feels walk would be safe  
 MMWILL whether willing to do walking test

## Wave 5 Core:

MMALONE Whether able to walk alone (with walking aid if necessar  
 MMAVSP Whether interviewer feels suitable space available  
 MMCOM85 Reason for non-completion of walk: other  
 MMCOM86 Reason for non-completion of walk: irrelevant response  
 MMCOMNI Reason for non-completion of walk: module not completed  
 MMCOMPA Reason for non-completion of walk: in pain  
 MMCOMRF Reason for non-completion of walk: respondent refused  
 MMCOMSP Reason for non-completion of walk: lack of space  
 MMCOMUN Reason fo non-completion of walk: unable to walk safely  
 MMHSS Whether health condition prevents from walking  
 MMSAF Whether interviewer feels it is safe to do walking test  
 MMTRYA Outcome of first walk  
 MMTRYB Outcome of second walk  
 MMWALA Whether respondent feels walk would be safe  
 MMWILL Whether willing to do walking test

## Wave 6 Core:

MMALONE whether able to walk alone (with walking aid if necessar  
 MMAVSP whether interviewer feels suitable space available  
 MMCOM85 reason for non-completion of walk: other  
 MMCOM86 reason for non-completion of walk: irrelevant response  
 MMCOMNI reason for non-completion of walk: module not completed  
 MMCOMPA reason for non-completion of walk: in pain  
 MMCOMRF reason for non-completion of walk: respondent refused  
 MMCOMSP reason for non-completion of walk: lack of space  
 MMCOMUN reason for non-completion of walk: unable to walk safely  
 MMHSS whether health condition prevents from walking  
 MMSAF whether interviewer feels it is safe to do walking test  
 MMTRYA outcome of first walk  
 MMTRYB outcome of second walk  
 MMWALA whether respondent feels walk would be safe  
 MMWILL whether willing to do walking test

## Wave 7 Core:

MMALONE whether able to walk alone (with walking aid if necessar  
 MMAVSP whether interviewer feels suitable space available  
 MMCOM85 reason for non-completion of walk: other  
 MMCOM86 reason for non-completion of walk: irrelevant response  
 MMCOMNI reason for non-completion of walk: module not completed  
 MMCOMPA reason for non-completion of walk: in pain  
 MMCOMRF reason for non-completion of walk: respondent refused  
 MMCOMSP reason for non-completion of walk: lack of space  
 MMCOMUN reason for non-completion of walk: unable to walk safely  
 MMHSS whether health condition prevents from walking  
 MMSAF whether interviewer feels it is safe to do walking test  
 MMTRYA outcome of first walk  
 MMTRYB outcome of second walk  
 MMWALA whether respondent feels walk would be safe  
 MMWILL whether willing to do walking test

## Wave 8 Core:

MMALONE timed walk: whether able to walk alone (with walking aid

MMAVSP	timed walk: whether interviewer feels suitable space ava
MMCOM85	timed walk: reason for non-completion of walk: other ans
MMCOM86	timed walk: reason for non-completion of walk: irrelevan
MMCOMNI	timed walk: reason for non-completion of walk: module no
MMCOMPA	timed walk: reason for non-completion of walk: in pain
MMCOMRF	timed walk: reason for non-completion of walk: responden
MMCOMSP	timed walk: reason for non-completion of walk: lack of s
MMCOMSW	timed walk: reason for non-completion of walk: problem w
MMCOMTM	timed walk: reason for non-completion of walk: not enoug
MMCOMUN	timed walk: timed walk: reason for non-completion of wal
MMHSS	timed walk: whether health condition prevents from walki
MMSAF	timed walk: whether interviewer feels it is safe to do
MMTRYA	timed walk: outcome of first walk
MMTRYB	timed walk: outcome of second walk
MMWALA	timed walk: whether respondent feels walk would be safe
MMWILL	timed walk: whether willing to do walking test

## Wave 9 Core:

MMALONE	Timed walk: whether able to walk alone (with walking aid
MMAVSP	Timed walk: whether interviewer feels suitable space ava
MMCOM85	Timed walk: reason for non-completion of walk: other ans
MMCOM86	Timed walk: reason for non-completion of walk: irrelevan
MMCOMNI	Timed walk: reason for non-completion of walk: module no
MMCOMPA	Timed walk: reason for non-completion of walk: in pain
MMCOMRF	Timed walk: reason for non-completion of walk: responden
MMCOMSP	Timed walk: reason for non-completion of walk: lack of s
MMCOMSW	Timed walk: reason for non-completion of walk: problem w
MMCOMTM	Timed walk: reason for non-completion of walk: not enoug
MMCOMUN	Timed walk: Timed walk: reason for non-completion of wal
MMHSS	Timed walk: whether health condition prevents from walki
MMSAF	Timed walk: whether interviewer feels it is safe to do
MMTRYA	Timed walk: outcome of first walk
MMTRYB	Timed walk: outcome of second walk
MMWALA	Timed walk: whether respondent feels walk would be safe
MMWILL	Timed walk: whether willing to do walking test

<b>Blood Pressure and Heart Rate Measurements</b>
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Wave	Variable	Label	Type
2	R2SYSTO1	r2systol:w2 r blood pressure measure (systolic) 1	Cont
4	R4SYSTO1	r4systol:w4 r blood pressure measure (systolic) 1	Cont
6	R6SYSTO1	r6systol:w6 r blood pressure measure (systolic) 1	Cont
8	R8SYSTO1	r8systol:w8-9 r blood pressure measure (systolic) 1	Cont
2	S2SYSTO1	s2systol:w2 s blood pressure measure (systolic) 1	Cont
4	S4SYSTO1	s4systol:w4 s blood pressure measure (systolic) 1	Cont
6	S6SYSTO1	s6systol:w6 s blood pressure measure (systolic) 1	Cont
8	S8SYSTO1	s8systol:w8-9 s blood pressure measure (systolic) 1	Cont
2	R2SYSTO2	r2systo2:w2 r blood pressure measure (systolic) 2	Cont
4	R4SYSTO2	r4systo2:w4 r blood pressure measure (systolic) 2	Cont
6	R6SYSTO2	r6systo2:w6 r blood pressure measure (systolic) 2	Cont
8	R8SYSTO2	r8systo2:w8-9 r blood pressure measure (systolic) 2	Cont
2	S2SYSTO2	s2systo2:w2 s blood pressure measure (systolic) 2	Cont
4	S4SYSTO2	s4systo2:w4 s blood pressure measure (systolic) 2	Cont
6	S6SYSTO2	s6systo2:w6 s blood pressure measure (systolic) 2	Cont
8	S8SYSTO2	s8systo2:w8-9 s blood pressure measure (systolic) 2	Cont
2	R2SYSTO3	r2systo3:w2 r blood pressure measure (systolic) 3	Cont
4	R4SYSTO3	r4systo3:w4 r blood pressure measure (systolic) 3	Cont
6	R6SYSTO3	r6systo3:w6 r blood pressure measure (systolic) 3	Cont
8	R8SYSTO3	r8systo3:w8-9 r blood pressure measure (systolic) 3	Cont
2	S2SYSTO3	s2systo3:w2 s blood pressure measure (systolic) 3	Cont
4	S4SYSTO3	s4systo3:w4 s blood pressure measure (systolic) 3	Cont
6	S6SYSTO3	s6systo3:w6 s blood pressure measure (systolic) 3	Cont
8	S8SYSTO3	s8systo3:w8-9 s blood pressure measure (systolic) 3	Cont
2	R2SYSTO	r2systo:w2 r average blood pressure measure (systolic) 2 & 3	Cont
4	R4SYSTO	r4systo:w4 r average blood pressure measure (systolic) 2 & 3	Cont
6	R6SYSTO	r6systo:w6 r average blood pressure measure (systolic) 2 & 3	Cont
8	R8SYSTO	r8systo:w8-9 r average blood pressure measure (systolic) 2 &	Cont
2	S2SYSTO	s2systo:w2 s average blood pressure measure (systolic) 2 & 3	Cont
4	S4SYSTO	s4systo:w4 s average blood pressure measure (systolic) 2 & 3	Cont
6	S6SYSTO	s6systo:w6 s average blood pressure measure (systolic) 2 & 3	Cont
8	S8SYSTO	s8systo:w8-9 s average blood pressure measure (systolic) 2 &	Cont
2	R2DIASTO1	r2diastol:w2 r blood pressure measure (diastolic) 1	Cont
4	R4DIASTO1	r4diastol:w4 r blood pressure measure (diastolic) 1	Cont
6	R6DIASTO1	r6diastol:w6 r blood pressure measure (diastolic) 1	Cont
8	R8DIASTO1	r8diastol:w8-9 r blood pressure measure (diastolic) 1	Cont
2	S2DIASTO1	s2diastol:w2 s blood pressure measure (diastolic) 1	Cont
4	S4DIASTO1	s4diastol:w4 s blood pressure measure (diastolic) 1	Cont
6	S6DIASTO1	s6diastol:w6 s blood pressure measure (diastolic) 1	Cont
8	S8DIASTO1	s8diastol:w8-9 s blood pressure measure (diastolic) 1	Cont
2	R2DIASTO2	r2diasto2:w2 r blood pressure measure (diastolic) 2	Cont
4	R4DIASTO2	r4diasto2:w4 r blood pressure measure (diastolic) 2	Cont
6	R6DIASTO2	r6diasto2:w6 r blood pressure measure (diastolic) 2	Cont
8	R8DIASTO2	r8diasto2:w8-9 r blood pressure measure (diastolic) 2	Cont
2	S2DIASTO2	s2diasto2:w2 s blood pressure measure (diastolic) 2	Cont
4	S4DIASTO2	s4diasto2:w4 s blood pressure measure (diastolic) 2	Cont

6	S6DIASTO2	s6diasto2:w6 s blood pressure measure (diastolic) 2	Cont
8	S8DIASTO2	s8diasto2:w8-9 s blood pressure measure (diastolic) 2	Cont
2	R2DIASTO3	r2diasto3:w2 r blood pressure measure (diastolic) 3	Cont
4	R4DIASTO3	r4diasto3:w4 r blood pressure measure (diastolic) 3	Cont
6	R6DIASTO3	r6diasto3:w6 r blood pressure measure (diastolic) 3	Cont
8	R8DIASTO3	r8diasto3:w8-9 r blood pressure measure (diastolic) 3	Cont
2	S2DIASTO3	s2diasto3:w2 s blood pressure measure (diastolic) 3	Cont
4	S4DIASTO3	s4diasto3:w4 s blood pressure measure (diastolic) 3	Cont
6	S6DIASTO3	s6diasto3:w6 s blood pressure measure (diastolic) 3	Cont
8	S8DIASTO3	s8diasto3:w8-9 s blood pressure measure (diastolic) 3	Cont
2	R2DIASTO	r2diasto:w2 r average blood pressure measure (diastolic) 2 &	Cont
4	R4DIASTO	r4diasto:w4 r average blood pressure measure (diastolic) 2 &	Cont
6	R6DIASTO	r6diasto:w6 r average blood pressure measure (diastolic) 2 &	Cont
8	R8DIASTO	r8diasto:w8-9 r average blood pressure measure (diastolic) 2	Cont
2	S2DIASTO	s2diasto:w2 s average blood pressure measure (diastolic) 2 &	Cont
4	S4DIASTO	s4diasto:w4 s average blood pressure measure (diastolic) 2 &	Cont
6	S6DIASTO	s6diasto:w6 s average blood pressure measure (diastolic) 2 &	Cont
8	S8DIASTO	s8diasto:w8-9 s average blood pressure measure (diastolic) 2	Cont
2	R2PULSE1	r2pulse1:w2 r pulse measure 1	Cont
4	R4PULSE1	r4pulse1:w4 r pulse measure 1	Cont
6	R6PULSE1	r6pulse1:w6 r pulse measure 1	Cont
8	R8PULSE1	r8pulse1:w8-9 r pulse measure 1	Cont
2	S2PULSE1	s2pulse1:w2 s pulse measure 1	Cont
4	S4PULSE1	s4pulse1:w4 s pulse measure 1	Cont
6	S6PULSE1	s6pulse1:w6 s pulse measure 1	Cont
8	S8PULSE1	s8pulse1:w8-9 s pulse measure 1	Cont
2	R2PULSE2	r2pulse2:w2 r pulse measure 2	Cont
4	R4PULSE2	r4pulse2:w4 r pulse measure 2	Cont
6	R6PULSE2	r6pulse2:w6 r pulse measure 2	Cont
8	R8PULSE2	r8pulse2:w8-9 r pulse measure 2	Cont
2	S2PULSE2	s2pulse2:w2 s pulse measure 2	Cont
4	S4PULSE2	s4pulse2:w4 s pulse measure 2	Cont
6	S6PULSE2	s6pulse2:w6 s pulse measure 2	Cont
8	S8PULSE2	s8pulse2:w8-9 s pulse measure 2	Cont
2	R2PULSE3	r2pulse3:w2 r pulse measure 3	Cont
4	R4PULSE3	r4pulse3:w4 r pulse measure 3	Cont
6	R6PULSE3	r6pulse3:w6 r pulse measure 3	Cont
8	R8PULSE3	r8pulse3:w8-9 r pulse measure 3	Cont
2	S2PULSE3	s2pulse3:w2 s pulse measure 3	Cont
4	S4PULSE3	s4pulse3:w4 s pulse measure 3	Cont
6	S6PULSE3	s6pulse3:w6 s pulse measure 3	Cont
8	S8PULSE3	s8pulse3:w8-9 s pulse measure 3	Cont
2	R2PULSE	r2pulse:w2 r average pulse measure 2 & 3	Cont
4	R4PULSE	r4pulse:w4 r average pulse measure 2 & 3	Cont
6	R6PULSE	r6pulse:w6 r average pulse measure 2 & 3	Cont
8	R8PULSE	r8pulse:w8-9 r average pulse measure 2 & 3	Cont
2	S2PULSE	s2pulse:w2 s average pulse measure 2 & 3	Cont
4	S4PULSE	s4pulse:w4 s average pulse measure 2 & 3	Cont
6	S6PULSE	s6pulse:w6 s average pulse measure 2 & 3	Cont
8	S8PULSE	s8pulse:w8-9 s average pulse measure 2 & 3	Cont



2	R2BPCOMP	r2bpcomp:w2	r willing and able to complete blood pressure te	Categ
4	R4BPCOMP	r4bpcomp:w4	r willing and able to complete blood pressure te	Categ
6	R6BPCOMP	r6bpcomp:w6	r willing and able to complete blood pressure te	Categ
8	R8BPCOMP	r8bpcomp:w8-9	r willing and able to complete blood pressure	Categ
2	S2BPCOMP	s2bpcomp:w2	s willing and able to complete blood pressure te	Categ
4	S4BPCOMP	s4bpcomp:w4	s willing and able to complete blood pressure te	Categ
6	S6BPCOMP	s6bpcomp:w6	s willing and able to complete blood pressure te	Categ
8	S8BPCOMP	s8bpcomp:w8-9	s willing and able to complete blood pressure	Categ
2	R2BPACT30	r2bpact30:w2	r did activity last 30 minutes that affects BP	Categ
4	R4BPACT30	r4bpact30:w4	r did activity last 30 minutes that affects BP	Categ
6	R6BPACT30	r6bpact30:w6	r did activity last 30 minutes that affects BP	Categ
8	R8BPACT30	r8bpact30:w8-9	r did activity last 30 minutes that affects B	Categ
2	S2BPACT30	s2bpact30:w2	s did activity last 30 minutes that affects BP	Categ
4	S4BPACT30	s4bpact30:w4	s did activity last 30 minutes that affects BP	Categ
6	S6BPACT30	s6bpact30:w6	s did activity last 30 minutes that affects BP	Categ
8	S8BPACT30	s8bpact30:w8-9	s did activity last 30 minutes that affects B	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SYSTO1	7558	138.27	20.24	72.00	243.00
R4SYSTO1	8532	135.23	19.10	64.00	240.00
R6SYSTO1	7974	134.20	18.86	57.00	235.00
R8SYSTO1	6537	133.25	18.39	70.00	241.00
S2SYSTO1	4862	136.79	19.11	73.00	233.00
S4SYSTO1	5690	134.42	18.28	64.00	216.00
S6SYSTO1	5285	133.75	18.42	78.00	225.00
S8SYSTO1	3702	133.81	18.10	79.00	241.00
R2SYSTO2	7524	135.89	19.56	62.00	256.00
R4SYSTO2	8493	132.93	18.34	64.00	227.00
R6SYSTO2	7930	132.36	18.05	76.00	223.00
R8SYSTO2	6505	131.41	17.72	69.00	223.00
S2SYSTO2	4843	134.54	18.51	82.00	256.00
S4SYSTO2	5669	132.13	17.59	68.00	221.00
S6SYSTO2	5262	132.00	17.57	78.00	223.00
S8SYSTO2	3685	131.92	17.36	69.00	222.00
R2SYSTO3	7489	134.82	19.15	75.00	262.00
R4SYSTO3	8439	132.22	18.02	57.00	226.00
R6SYSTO3	7891	131.67	17.69	77.00	225.00
R8SYSTO3	6475	130.58	17.29	68.00	220.00
S2SYSTO3	4826	133.56	18.08	81.00	262.00
S4SYSTO3	5644	131.53	17.29	57.00	224.00
S6SYSTO3	5239	131.41	17.23	79.00	225.00
S8SYSTO3	3671	131.01	16.98	68.00	220.00
R2SYSTO	7523	135.38	18.99	74.00	259.00
R4SYSTO	8493	132.62	17.83	77.00	225.50
R6SYSTO	7930	132.02	17.52	76.50	224.00
R8SYSTO	6505	131.00	17.15	73.50	221.00
S2SYSTO	4842	134.08	17.92	82.00	259.00
S4SYSTO	5669	131.86	17.07	81.50	218.00
S6SYSTO	5262	131.71	17.04	78.50	224.00
S8SYSTO	3685	131.48	16.80	73.50	221.00

R2DIASTO1	7557	76.30	11.88	37.00	135.00
R4DIASTO1	8531	75.42	11.55	38.00	127.00
R6DIASTO1	7974	74.66	11.39	34.00	129.00
R8DIASTO1	6537	73.93	11.46	31.00	124.00
S2DIASTO1	4861	76.34	11.56	37.00	130.00
S4DIASTO1	5690	75.53	11.25	39.00	127.00
S6DIASTO1	5285	75.07	11.16	39.00	124.00
S8DIASTO1	3702	73.66	11.13	38.00	118.00
R2DIASTO2	7525	75.19	11.68	31.00	129.00
R4DIASTO2	8493	74.43	11.27	33.00	123.00
R6DIASTO2	7930	73.74	11.13	31.00	121.00
R8DIASTO2	6505	72.88	11.33	33.00	128.00
S2DIASTO2	4844	75.36	11.40	32.00	129.00
S4DIASTO2	5669	74.55	10.97	33.00	123.00
S6DIASTO2	5262	74.14	10.93	31.00	121.00
S8DIASTO2	3685	72.61	11.04	33.00	128.00
R2DIASTO3	7489	74.84	11.42	35.00	129.00
R4DIASTO3	8440	74.08	11.30	33.00	127.00
R6DIASTO3	7893	73.40	11.13	31.00	139.00
R8DIASTO3	6476	72.49	11.22	33.00	120.00
S2DIASTO3	4825	74.99	11.11	35.00	129.00
S4DIASTO3	5644	74.27	11.03	33.00	125.00
S6DIASTO3	5241	73.84	10.92	39.00	139.00
S8DIASTO3	3671	72.23	10.95	33.00	117.00
R2DIASTO	7523	75.02	11.27	36.50	128.00
R4DIASTO	8493	74.27	11.02	35.50	119.00
R6DIASTO	7930	73.57	10.84	34.00	121.00
R8DIASTO	6505	72.69	11.02	36.00	120.50
S2DIASTO	4842	75.19	10.99	36.50	128.00
S4DIASTO	5669	74.43	10.74	42.00	118.00
S6DIASTO	5262	73.99	10.64	39.50	121.00
S8DIASTO	3685	72.43	10.72	36.00	117.50
R2PULSE1	7555	68.03	11.77	33.00	152.00
R4PULSE1	8530	67.57	11.31	37.00	142.00
R6PULSE1	7972	66.69	11.15	33.00	160.00
R8PULSE1	6536	67.05	11.17	34.00	145.00
S2PULSE1	4860	66.89	11.50	34.00	149.00
S4PULSE1	5689	66.70	10.98	38.00	142.00
S6PULSE1	5284	65.74	10.88	33.00	160.00
S8PULSE1	3701	66.10	11.08	34.00	145.00
R2PULSE2	7527	67.97	11.54	35.00	140.00
R4PULSE2	8492	67.63	11.16	31.00	142.00
R6PULSE2	7931	66.83	11.05	31.00	145.00
R8PULSE2	6505	67.12	11.02	33.00	143.00
S2PULSE2	4845	66.97	11.36	35.00	140.00
S4PULSE2	5668	66.76	10.83	38.00	141.00
S6PULSE2	5262	65.85	10.71	31.00	145.00
S8PULSE2	3685	66.14	10.98	33.00	143.00
R2PULSE3	7488	68.08	11.38	33.00	138.00
R4PULSE3	8439	67.74	11.06	37.00	141.00

R6PULSE3	7893	66.99	10.94	32.00	134.00
R8PULSE3	6475	67.07	10.88	33.00	138.00
S2PULSE3	4825	67.07	11.16	36.00	138.00
S4PULSE3	5644	66.98	10.77	39.00	141.00
S6PULSE3	5240	66.04	10.67	32.00	134.00
S8PULSE3	3671	66.13	10.80	33.00	138.00
R2PULSE	7525	68.04	11.28	36.00	139.00
R4PULSE	8492	67.69	10.93	34.50	141.00
R6PULSE	7931	66.90	10.82	31.50	133.50
R8PULSE	6505	67.11	10.81	33.00	140.50
S2PULSE	4843	67.03	11.09	36.00	139.00
S4PULSE	5668	66.88	10.64	38.50	141.00
S6PULSE	5262	65.94	10.50	31.50	133.50
S8PULSE	3685	66.15	10.74	33.00	140.50
R2BPCOMP	7642	0.99	0.10	0.00	1.00
R4BPCOMP	8606	0.99	0.09	0.00	1.00
R6BPCOMP	8029	0.99	0.08	0.00	1.00
R8BPCOMP	6578	0.99	0.08	0.00	1.00
S2BPCOMP	4908	0.99	0.10	0.00	1.00
S4BPCOMP	5723	0.99	0.07	0.00	1.00
S6BPCOMP	5311	0.99	0.07	0.00	1.00
S8BPCOMP	3714	1.00	0.06	0.00	1.00
R2BPACT30	7642	0.11	0.32	0.00	1.00
R4BPACT30	8606	0.05	0.23	0.00	1.00
R6BPACT30	8029	0.05	0.22	0.00	1.00
R8BPACT30	6578	0.05	0.22	0.00	1.00
S2BPACT30	4908	0.10	0.30	0.00	1.00
S4BPACT30	5723	0.05	0.21	0.00	1.00
S6BPACT30	5311	0.04	0.20	0.00	1.00
S8BPACT30	3714	0.04	0.20	0.00	1.00

### Categorical Variable Codes

Value-----	R2BPCOMP	R4BPCOMP
.m:Missing	24	37
.s:skipped	1766	2407
0.no	84	69
1.yes	7558	8537
Value-----	R6BPCOMP	R8BPCOMP
.m:Missing	25	17
.s:skipped	2547	3440
0.no	57	42
1.yes	7972	6536
Value-----	S2BPCOMP	S4BPCOMP
.m:Missing	14	23
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	47	30
1.yes	4861	5693
Value-----	S6BPCOMP	S8BPCOMP
.m:Missing	10	12
.s:skipped	1921	1962
.u:Unmar	2802	2255
.v:SP NR	557	502

0.no	27	13
1.yes	5284	3701
Value-----	R2BPACT30	R4BPACT30
.m:Missing	11	18
.n:not willing/able	13	19
.s:skipped	1766	2407
0.no	6783	8141
1.yes	859	465
Value-----	R6BPACT30	R8BPACT30
.m:Missing	10	10
.n:not willing/able	15	7
.s:skipped	2547	3440
0.no	7620	6235
1.yes	409	343
Value-----	S2BPACT30	S4BPACT30
.m:Missing	7	12
.n:not willing/able	7	11
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	4415	5449
1.yes	493	274
Value-----	S6BPACT30	S8BPACT30
.m:Missing	5	8
.n:not willing/able	5	4
.s:skipped	1921	1962
.u:Unmar	2802	2255
.v:SP NR	557	502
0.no	5084	3553
1.yes	227	161

## General Comments:

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

## How Constructed

RwSYSTO1, RwSYSTO2, and RwSYSTO3 are the respondent's first, second, and third systolic blood pressure readings. RwSYSTO is the average of the second and third systolic blood pressure readings, or the average of the first and second systolic blood pressure readings if the third reading is not available. Special missing .e is assigned if there was an error reading during the measurement. Special missing .n is assigned if the respondent did not complete the blood pressure measurements because the respondent refused to participate or was unable to participate for reasons other than refusal. Special missing .s is assigned if the blood pressure measurements were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is employed for respondents who did not respond to the current wave.

SwSYSTO1, SwSYSTO2, SwSYSTO3, and SwSYSTO indicate the first, second, third, and the average of the second and third systolic blood pressure measurements of the respondent's current wave's spouse, and their values are taken from RwSYSTO1, RwSYSTO2, RwSYSTO3, and RwSYSTO, respectively. In addition to the special missing codes employed by RwSYSTO1, RwSYSTO2, RwSYSTO3 and RwSYSTO, SwSYSTO1, SwSYSTO2, SwSYSTO3 and SwSYSTO employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwDIASTO1, RwDIASTO2, RwDIASTO3 are the respondent's first, second, and third diastolic blood pressure readings. RwDIASTO is the average of the second and the third diastolic blood pressure readings, or the average of the first and second diastolic blood pressure readings if the third reading is not available. Special missing .e is assigned if there was an error reading during the measurement. Special missing .n is assigned if the respondent did not complete the blood pressure measurements because the respondent

refused to participate or was unable to participate for reasons other than refusal. Special missing .s is assigned if the blood pressure measurements were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is employed for respondents who did not respond to the current wave.

SwDIASTO1, SwDIASTO2, SwDIASTO3, and SwDIASTO indicate the first, second, third, and the average of the second and third diastolic blood pressure readings of the respondent's current wave's spouse, and their values are taken from RwDIASTO1, RwDIASTO2, RwDIASTO3, and RwDIASTO, respectively. In addition to the special missing codes employed by RwDIASTO1, RwDIASTO2, RwDIASTO3, and RwDIASTO, SwDIASTO1, SwDIASTO2, SwDIASTO3 and SwDIASTO employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwPULSE1, RwPULSE2, and RwPULSE3 are the respondent's first, second, and third pulse readings. RwPULSE is the average of the second and the third pulse readings, or the average of the first and second pulse readings if the third reading is not available. Special missing .e is assigned if there was an error reading during the measurement. Special missing .n is assigned if the respondent did not complete the pulse measurements because the respondent refused to participate or was unable to participate for reasons other than refusal. Special missing .s is assigned if the pulse measurements were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is employed for respondents who did not respond to the current wave.

SwPULSE1, SwPULSE2, SwPULSE3, and SwPULSE indicate the first, second, third, and the average of the second and third pulse readings for the respondent's current wave's spouse, and their values are taken from RwPULSE1, RwPULSE2, RwPULSE3, and RwPULSE. In addition to the special missing codes employed by RwPULSE1, RwPULSE2, RwPULSE3, and RwPULSE, SwPULSE1, SwPULSE2, SwPULSE3, and SwPULSE employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwBPCOMP indicates whether the respondent is willing and able to complete the blood pressure measurements. RwBPCOMP is coded as 1 if the respondent agreed to participate in the blood pressure measurements and completed at least one blood pressure measurement. RwBPCOMP is coded as 0 if the respondent refused to participate, was unable to participate for reasons other than refusal, or the respondent did not complete any blood pressure measurements. Special missing .s is assigned if the blood pressure measurements were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is employed for respondents who did not respond to the current wave.

SwBPCOMP indicates the respondent's current wave's spouse's ability to complete the blood pressure test, and is taken from RwBPCOMP. In addition to the special missing codes employed by RwBPCOMP, SwBPCOMP employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwBPACT30 indicates whether the respondent has eaten, smoked, drunk alcohol, or did any vigorous exercise in the 30 minutes prior to the blood pressure measurements, which may affect the validity of the measurements. RwBPACT30 is assigned a 0 if the respondent has not done any of these activities in the last 30 minutes, and assigned a 1 if the respondent has done any of these activities in the last 30 minutes. Special missing .n is assigned if the respondent did not complete the blood pressure measurements because the respondent refused to participate or was unable to participate for reasons other than refusal. Special missing .s is assigned if the blood pressure measurements were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is employed for respondents who did not respond to the current wave.

SwBPACT30 indicates whether the respondent's current wave's spouse ate, smoked, drank alcohol, or did any vigorous exercise in the last 30 minutes, and its values are taken from RwBPACT30. In addition to the special missing codes employed by RwBPACT30, SwBPACT30 employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A

special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

These measurements are performed during the nurse interview in the even-numbered waves of ELSA. Only half of the sample was invited for a nurse interview in Wave 8 and the remaining half was invited for a nurse interview in Wave 9. The samples from Wave 8 and Wave 9 are meant to be analyzed together, so they have been combined and released as Wave 8 variables in the Harmonized ELSA.

## Differences with the RAND HRS/Harmonized HRS

In the Harmonized HRS, the harmonized variables for systolic, diastolic, and pulse measurements include a special missing .x if the respondent tried but was unable to complete the measurement, which is not available in the variables in the Harmonized ELSA. The Harmonized ELSA includes a special missing .e if there was an error during the reading, which is not available for these variables in the Harmonized HRS.

## ELSA Variables Used

### Wave 2 Nurse:

BPCONST	bp: consent to bp measurement
CONSUB1	bp: 1st thing respondent has done in last 30 minutes tha
CONSUB2	bp: 2nd thing respondent has done in last 30 minutes tha
CONSUB3	bp: 3rd thing respondent has done in last 30 minutes tha
DIAS1	bp: 1st diastolic reading (mmhg)
DIAS2	bp: 2nd diastolic reading (mmhg)
DIAS3	bp: 3rd diastolic reading (mmhg)
FULL1	bp: 1st set of bp readings are complete
FULL2	bp: 2nd set of bp readings are complete
FULL3	bp: 3rd set of bp readings are complete
PULSE1	bp: 1st pulse reading (bpm)
PULSE2	bp: 2nd pulse reading (bpm)
PULSE3	bp: 3rd pulse reading (bpm)
SYS1	bp: 1st systolic reading (mmhg)
SYS2	bp: 2nd systolic reading (mmhg)
SYS3	bp: 3rd systolic reading (mmhg)

### Wave 4 Nurse:

BPCONST	bp: consent to bp measurement
CONSUBDR	bp: whether respondent has drunk alcohol in the last 30
CONSUBEA	bp: whether respondent has eaten in the last 30 minutes
CONSUBEX	bp: whether respondent has done any vigorous exercise in
CONSUBNO	bp: if respondent has done nothing that may affect their
CONSUBSM	bp: whether respondent has smoked in the last 30 minutes
DIAS1	bp: 1st diastolic reading (mmhg)
DIAS2	bp: 2nd diastolic reading (mmhg)
DIAS3	bp: 3rd diastolic reading (mmhg)
FULL1	bp: 1st set of bp readings are complete
FULL2	bp: 2nd set of bp readings are complete
FULL3	bp: 3rd set of bp readings are complete
PULSE1	bp: 1st pulse reading (bpm)
PULSE2	bp: 2nd pulse reading (bpm)
PULSE3	bp: 3rd pulse reading (bpm)
SYS1	bp: 1st systolic reading (mmhg)
SYS2	bp: 2nd systolic reading (mmhg)
SYS3	bp: 3rd systolic reading (mmhg)

### Wave 6 Nurse:

BPCONST	consent to bp measurement
CONSUBDR	bpress: whether done anything that will affect bp in las
CONSUBEA	bpress: whether done anything that will affect bp in las
CONSUBEX	bpress: whether done anything that will affect bp in las
CONSUBNO	bpress: whether done anything that will affect bp in las
CONSUBSM	bpress: whether done anything that will affect bp in las

DIAS1	bpress: diastolic reading (mmhg)
DIAS2	bpress: diastolic reading (mmhg)
DIAS3	bpress: diastolic reading (mmhg)
FULL1	bpress: set of bp readings are complete
FULL2	bpress: set of bp readings are complete
FULL3	bpress: set of bp readings are complete
PULSE1	bpress: pulse reading (bpm)
PULSE2	bpress: pulse reading (bpm)
PULSE3	bpress: pulse reading (bpm)
SYS1	bpress: systolic reading (mmhg)
SYS2	bpress: systolic reading (mmhg)
SYS3	bpress: systolic reading (mmhg)

## Wave 8 &amp; 9 Nurse:

BPCONST	Blood pressure: consent to BP measurement
CONSUBDR	Blood pressure: whether done anything that will affect B
CONSUBEA	Blood pressure: whether done anything that will affect B
CONSUBEX	Blood pressure: whether done anything that will affect B
CONSUBNO	Blood pressure: whether done anything that will affect B
CONSUBSM	Blood pressure: whether done anything that will affect B
DIAS1	Blood pressure: first diastolic reading (mmhg)
DIAS2	Blood pressure: second diastolic reading (mmhg)
DIAS3	Blood pressure: third diastolic reading (mmhg)
FULL1	Blood pressure: first set of BP readings are complete
FULL2	Blood pressure: second set of BP readings are complete
FULL3	Blood pressure: third set of BP readings are complete
PULSE1	Blood pressure: first pulse reading (bpm)
PULSE2	Blood pressure: second pulse reading (bpm)
PULSE3	Blood pressure: third pulse reading (bpm)
SYS1	Blood pressure: first systolic reading (mmhg)
SYS2	Blood pressure: second systolic reading (mmhg)
SYS3	Blood pressure: third systolic reading (mmhg)

### Blood Pressure and Heart Rate Measurements: Reasons Didn't Complete

Wave	Variable	Label	Type
2	R2BPSFT	r2bpsft:w2 r didn't complete bp: unsafe/health reason	Categ
4	R4BPSFT	r4bpsft:w4 r didn't complete bp: unsafe/health reason	Categ
6	R6BPSFT	r6bpsft:w6 r didn't complete bp: unsafe/health reason	Categ
8	R8BPSFT	r8bpsft:w8-9 r didn't complete bp: unsafe/health reason	Categ
2	S2BPSFT	s2bpsft:w2 s didn't complete bp: unsafe/health reason	Categ
4	S4BPSFT	s4bpsft:w4 s didn't complete bp: unsafe/health reason	Categ
6	S6BPSFT	s6bpsft:w6 s didn't complete bp: unsafe/health reason	Categ
8	S8BPSFT	s8bpsft:w8-9 s didn't complete bp: unsafe/health reason	Categ
2	R2BPREF	r2bpref:w2 r didn't complete bp: refused	Categ
4	R4BPREF	r4bpref:w4 r didn't complete bp: refused	Categ
6	R6BPREF	r6bpref:w6 r didn't complete bp: refused	Categ
8	R8BPREF	r8bpref:w8-9 r didn't complete bp: refused	Categ
2	S2BPREF	s2bpref:w2 s didn't complete bp: refused	Categ
4	S4BPREF	s4bpref:w4 s didn't complete bp: refused	Categ
6	S6BPREF	s6bpref:w6 s didn't complete bp: refused	Categ
8	S8BPREF	s8bpref:w8-9 s didn't complete bp: refused	Categ
2	R2BPTRYU	r2bptryu:w2 r didn't complete bp: tried but unable	Categ
4	R4BPTRYU	r4bptryu:w4 r didn't complete bp: tried but unable	Categ
6	R6BPTRYU	r6bptryu:w6 r didn't complete bp: tried but unable	Categ
8	R8BPTRYU	r8bptryu:w8-9 r didn't complete bp: tried but unable	Categ
2	S2BPTRYU	s2bptryu:w2 s didn't complete bp: tried but unable	Categ
4	S4BPTRYU	s4bptryu:w4 s didn't complete bp: tried but unable	Categ
6	S6BPTRYU	s6bptryu:w6 s didn't complete bp: tried but unable	Categ
8	S8BPTRYU	s8bptryu:w8-9 s didn't complete bp: tried but unable	Categ
2	R2BPEQUP	r2bpequp:w2 r didn't complete bp: faulty equipment	Categ
4	R4BPEQUP	r4bpequp:w4 r didn't complete bp: faulty equipment	Categ
6	R6BPEQUP	r6bpequp:w6 r didn't complete bp: faulty equipment	Categ
8	R8BPEQUP	r8bpequp:w8-9 r didn't complete bp: faulty equipment	Categ
2	S2BPEQUP	s2bpequp:w2 s didn't complete bp: faulty equipment	Categ
4	S4BPEQUP	s4bpequp:w4 s didn't complete bp: faulty equipment	Categ
6	S6BPEQUP	s6bpequp:w6 s didn't complete bp: faulty equipment	Categ
8	S8BPEQUP	s8bpequp:w8-9 s didn't complete bp: faulty equipment	Categ
2	R2BPOTHR	r2bpothr:w2 r didn't complete bp: other reason	Categ
4	R4BPOTHR	r4bpothr:w4 r didn't complete bp: other reason	Categ
6	R6BPOTHR	r6bpothr:w6 r didn't complete bp: other reason	Categ
8	R8BPOTHR	r8bpothr:w8-9 r didn't complete bp: other reason	Categ
2	S2BPOTHR	s2bpothr:w2 s didn't complete bp: other reason	Categ
4	S4BPOTHR	s4bpothr:w4 s didn't complete bp: other reason	Categ
6	S6BPOTHR	s6bpothr:w6 s didn't complete bp: other reason	Categ
8	S8BPOTHR	s8bpothr:w8-9 s didn't complete bp: other reason	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2BPSFT	333	0.19	0.39	0.00	1.00
R4BPSFT	365	0.17	0.38	0.00	1.00
R6BPSFT	333	0.23	0.42	0.00	1.00



R8BPSFT	251	0.12	0.33	0.00	1.00
S2BPSFT	180	0.18	0.38	0.00	1.00
S4BPSFT	190	0.16	0.37	0.00	1.00
S6BPSFT	177	0.23	0.42	0.00	1.00
S8BPSFT	125	0.14	0.34	0.00	1.00
R2BPREF	84	0.00	0.00	0.00	0.00
R4BPREF	69	0.00	0.00	0.00	0.00
R6BPREF	57	0.02	0.13	0.00	1.00
R8BPREF	42	0.00	0.00	0.00	0.00
S2BPREF	47	0.00	0.00	0.00	0.00
S4BPREF	30	0.00	0.00	0.00	0.00
S6BPREF	27	0.00	0.00	0.00	0.00
S8BPREF	13	0.00	0.00	0.00	0.00
R2BPTRYU	84	0.99	0.11	0.00	1.00
R4BPTRYU	69	0.97	0.17	0.00	1.00
R6BPTRYU	57	0.95	0.23	0.00	1.00
R8BPTRYU	42	0.98	0.15	0.00	1.00
S2BPTRYU	47	0.98	0.15	0.00	1.00
S4BPTRYU	30	0.93	0.25	0.00	1.00
S6BPTRYU	27	0.96	0.19	0.00	1.00
S8BPTRYU	13	1.00	0.00	1.00	1.00
R2BPEQUP	333	0.59	0.49	0.00	1.00
R4BPEQUP	365	0.60	0.49	0.00	1.00
R6BPEQUP	335	0.59	0.49	0.00	1.00
R8BPEQUP	251	0.57	0.50	0.00	1.00
S2BPEQUP	180	0.57	0.50	0.00	1.00
S4BPEQUP	190	0.62	0.49	0.00	1.00
S6BPEQUP	178	0.60	0.49	0.00	1.00
S8BPEQUP	125	0.52	0.50	0.00	1.00
R2BPOTHR	333	0.18	0.38	0.00	1.00
R4BPOTHR	365	0.16	0.37	0.00	1.00
R6BPOTHR	333	0.06	0.24	0.00	1.00
R8BPOTHR	251	0.22	0.41	0.00	1.00
S2BPOTHR	180	0.17	0.38	0.00	1.00
S4BPOTHR	190	0.16	0.37	0.00	1.00
S6BPOTHR	177	0.06	0.24	0.00	1.00
S8BPOTHR	125	0.19	0.40	0.00	1.00

### Categorical Variable Codes

Value-----	R2BPSFT	R4BPSFT
.c:completed test	7333	8277
.d:DK		1
.s:skipped	1766	2407
0.no	270	302
1.yes	63	63
Value-----	R6BPSFT	R8BPSFT
.c:completed test	7713	6344
.m:Missing	8	
.s:skipped	2547	3440
0.no	258	220
1.yes	75	31
Value-----	S2BPSFT	S4BPSFT

.c:completed test		4742		5556
.s:skipped		1256		1656
.u:Unmar		2671		2932
.v:SP NR		583		716
0.no		148		159
1.yes		32		31
Value-----	S6BPSFT		S8BPSFT	
.c:completed test	5142		3601	
.m:Missing	2			
.s:skipped	1921		1962	
.u:Unmar	2802		2255	
.v:SP NR	557		502	
0.no	136		108	
1.yes	41		17	
Value-----	R2BPREF		R4BPREF	
.c:completed test	7558		8537	
.m:Missing	24		37	
.s:skipped	1766		2407	
0.no	84		69	
Value-----	R6BPREF		R8BPREF	
.c:completed test	7972		6536	
.m:Missing	25		17	
.s:skipped	2547		3440	
0.no	56		42	
1.yes	1			
Value-----	S2BPREF		S4BPREF	
.c:completed test	4861		5693	
.m:Missing	14		23	
.s:skipped	1256		1656	
.u:Unmar	2671		2932	
.v:SP NR	583		716	
0.no	47		30	
Value-----	S6BPREF		S8BPREF	
.c:completed test	5284		3701	
.m:Missing	10		12	
.s:skipped	1921		1962	
.u:Unmar	2802		2255	
.v:SP NR	557		502	
0.no	27		13	
Value-----	R2BPTRYU		R4BPTRYU	
.c:completed test	7558		8537	
.m:Missing	24		37	
.s:skipped	1766		2407	
0.no	1		2	
1.yes	83		67	
Value-----	R6BPTRYU		R8BPTRYU	
.c:completed test	7972		6536	
.m:Missing	25		17	
.s:skipped	2547		3440	
0.no	3		1	
1.yes	54		41	
Value-----	S2BPTRYU		S4BPTRYU	
.c:completed test	4861		5693	
.m:Missing	14		23	
.s:skipped	1256		1656	
.u:Unmar	2671		2932	
.v:SP NR	583		716	
0.no	1		2	
1.yes	46		28	
Value-----	S6BPTRYU		S8BPTRYU	
.c:completed test	5284		3701	
.m:Missing	10		12	

.s:skipped	1921	1962	
.u:Unmar	2802	2255	
.v:SP NR	557	502	
0.no	1		
1.yes	26	13	
Value-----	R2BPEQUP	R4BPEQUP	
.c:completed test	7333	8277	
.d:DK		1	
.s:skipped	1766	2407	
0.no	138	146	
1.yes	195	219	
Value-----	R6BPEQUP	R8BPEQUP	
.c:completed test	7713	6344	
.m:Missing	6		
.s:skipped	2547	3440	
0.no	137	109	
1.yes	198	142	
Value-----	S2BPEQUP	S4BPEQUP	
.c:completed test	4742	5556	
.s:skipped	1256	1656	
.u:Unmar	2671	2932	
.v:SP NR	583	716	
0.no	77	73	
1.yes	103	117	
Value-----	S6BPEQUP	S8BPEQUP	
.c:completed test	5142	3601	
.m:Missing	1		
.s:skipped	1921	1962	
.u:Unmar	2802	2255	
.v:SP NR	557	502	
0.no	71	60	
1.yes	107	65	
Value-----	R2BPOTHR	R4BPOTHR	
.c:completed test	7333	8277	
.d:DK		1	
.s:skipped	1766	2407	
0.no	274	305	
1.yes	59	60	
Value-----	R6BPOTHR	R8BPOTHR	
.c:completed test	7713	6344	
.m:Missing	8		
.s:skipped	2547	3440	
0.no	312	197	
1.yes	21	54	
Value-----	S2BPOTHR	S4BPOTHR	
.c:completed test	4742	5556	
.s:skipped	1256	1656	
.u:Unmar	2671	2932	
.v:SP NR	583	716	
0.no	149	160	
1.yes	31	30	
Value-----	S6BPOTHR	S8BPOTHR	
.c:completed test	5142	3601	
.m:Missing	2		
.s:skipped	1921	1962	
.u:Unmar	2802	2255	
.v:SP NR	557	502	
0.no	166	101	
1.yes	11	24	

**General Comments:**

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

## How Constructed

RwBPSFT, RwBPREF, RwBPTRYU, RwbPEQUP, and RwbPOTHR indicate the reasons for the respondent not completing the blood pressure tests as reported by the interviewer. The interviewer is asked to report all of the reasons the respondent did not complete the blood pressure test. RwBPSFT indicates whether the respondent did not complete the blood pressure tests because they were upset, anxious, or nervous. RwBPREF indicates whether the respondent did not complete the blood pressure tests because they refused. RwBPTRYU indicates whether the respondent did not complete the blood pressure tests because the measurements were attempted but not obtained. RwbPEQUP indicates whether the respondent did not complete the blood pressure tests because of problems with the PC, error readings, problems with the cuff fitting or it was painful, or problems with the equipment besides an error reading. RwbPOTHR indicates whether the respondent did not complete the blood pressure tests because of other reasons or problems. RwBPSFT, RwBPREF, RwBPTRYU, RwbPEQUP, and RwbPOTHR are coded as 0 if the specific reason was not given for the respondent not completing the blood pressure test, and are coded as 1 if the specific reason was given. Special missing .c is assigned if the respondent completed all three of the blood pressure tests. Special missing .s is assigned if the blood pressure measurements were skipped because the respondent did not participate in a nurse interview. Don't know, refuse, and other missing responses to RwBPSFT, RwBPREF, RwBPTRYU, RwbPEQUP, and RwbPOTHR are set to special missing .d, .r, and .m, respectively. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwBPSFT, SwBPREF, SwBPTRYU, SwBPEQUP, and SwBPOTHR indicate the reasons for the respondent's current wave's spouse not taking part in the blood pressure tests, and their values are taken from RwBPSFT, RwBPREF, RwBPTRYU, RwbPEQUP, and RwbPOTHR. In addition to the special missing codes employed by RwBPSFT, RwBPREF, RwBPTRYU, RwbPEQUP, and RwbPOTHR, SwBPSFT, SwBPREF, SwBPTRYU, SwBPEQUP, and SwBPOTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

These measurements are performed during the nurse interview in the even-numbered waves of ELSA. Only half of the sample was invited for a nurse interview in Wave 8 and the remaining half was invited for a nurse interview in Wave 9. The samples from Wave 8 and Wave 9 are meant to be analyzed together, so they have been combined and released as Wave 8 variables in the Harmonized ELSA.

## Differences with the RAND HRS/Harmonized HRS

These variables in the Harmonized HRS are taken from a single question ascertaining the reasons for the respondent not participating in any of the blood pressure measurements, whereas these variables in the Harmonized ELSA are taken from 3 separate questions ascertaining the reasons for the respondent not participating in any of the blood pressure measurements, not obtaining all of the blood pressure measurements, and for any problems experienced during the measurements.

## ELSA Variables Used

### Wave 2 Nurse:

DIFBPC1	bp: 1st difficulty with taking bp measurements
DIFBPC2	bp: 2nd difficulty with taking bp measurements
DIFBPC3	bp: 3rd difficulty with taking bp measurements
FULL1	bp: 1st set of bp readings are complete
FULL2	bp: 2nd set of bp readings are complete
FULL3	bp: 3rd set of bp readings are complete
NATTBP1	bp: 1st reason why full set of bp measurements was not c
NATTBP2	bp: 2nd reason why full set of bp measurements was not c
YNOBP	bp: whether bp measurements attempted and not obtained o

### Wave 4 Nurse:

DIBPCOT	bp: difficulty with taking bp measurements - other probl
DIFBPCCU	bp: difficulty with taking bp measurements - problems wi
DIFBPCEQ	bp: difficulty with taking bp measurements - problems wi

DIFBPCER	bp: difficulty with taking bp measurements - error readi
DIFBPCLE	bp: difficulty with taking bp measurements - reading tak
DIFBPCNO	bp: no problems in taking bp measurements
DIFBPCUP	bp: difficulty with taking bp measurements - resp upset/
FULL1	bp: 1st set of bp readings are complete
FULL2	bp: 2nd set of bp readings are complete
FULL3	bp: 3rd set of bp readings are complete
NATTBPCO	bp: full set of bp measurements not collected due to pro
NATTBPCU	bp: full set of bp measurements not collected due to pro
NATTBPEQ	bp: full set of bp measurements not collected due to pro
NATTBPER	bp: full set of bp measurements not collected due to err
NATTBPOT	bp: full set of bp measurements not collected due to oth
NATTBPUP	bp: full set of bp measurements not collected due to res
WHYNOBP	bp: whether bp measurements attempted and not obtained o

## Wave 6 Nurse:

DIBPCOT	bpress: problems taking bp readings: other problems (spe
DIFBPC8	bpress: problems taking bp readings: problems with omron
DIFBPCCU	bpress: problems taking bp readings: problems with cuff
DIFBPCEQ	bpress: problems taking bp readings: problems with equip
DIFBPCER	bpress: problems taking bp readings: error reading
DIFBPCLE	bpress: problems taking bp readings: reading taken on le
DIFBPCNO	bpress: problems taking bp readings: no problems taking
DIFBPCUP	bpress: problems taking bp readings: respondent was upse
FULL1	bpress: set of bp readings are complete
FULL2	bpress: set of bp readings are complete
FULL3	bpress: set of bp readings are complete
NATTBPCO	bpress: reason why full set of bp measurements was not c
NATTBPCU	bpress: reason why full set of bp measurements was not c
NATTPD7	bpress: reason why full set of bp measurements was not c
NATTBPEQ	bpress: reason why full set of bp measurements was not c
NATTBPER	bpress: reason why full set of bp measurements was not c
NATTBPOT	bpress: reason why full set of bp measurements was not c
NATTBPUP	bpress: reason why full set of bp measurements was not c
WHYNOBP	bpress: reason for not recording full bp readings

## Wave 8 &amp; 9 Nurse:

DIBPC95	Blood pressure: problems taking BP readings: other probl
DIFBPCCU	Blood pressure: problems taking BP readings: problems wi
DIFBPCEQ	Blood pressure: problems taking BP readings: problems wi
DIFBPCER	Blood pressure: problems taking BP readings: error readi
DIFBPCLE	Blood pressure: problems taking BP readings: reading tak
DIFBPCNO	Blood pressure: problems taking BP readings: no problems
DIFBPCUP	Blood pressure: problems taking BP readings: respondent
FULL1	Blood pressure: first set of BP readings are complete
FULL2	Blood pressure: second set of BP readings are complete
FULL3	Blood pressure: third set of BP readings are complete
NATTBP95	Blood pressure: reason why full set of BP measurements w
NATTBPCO	Blood pressure: reason why full set of BP measurements w
NATTBPCU	Blood pressure: reason why full set of BP measurements w
NATTBPEQ	Blood pressure: reason why full set of BP measurements w
NATTBPER	Blood pressure: reason why full set of BP measurements w
NATTBPUP	Blood pressure: reason why full set of BP measurements w
WHYNOBP	Blood pressure: reason for not recording full BP reading

<b>Hand Grip Strength Measurements</b>
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Wave	Variable	Label	Type
2	R2DOMHAND	r2domhand:w2 r grip strength dominant hand	Cont
4	R4DOMHAND	r4domhand:w4 r grip strength dominant hand	Cont
6	R6DOMHAND	r6domhand:w6 r grip strength dominant hand	Cont
8	R8DOMHAND	r8domhand:w8-9 r grip strength dominant hand	Cont
2	S2DOMHAND	s2domhand:w2 s grip strength dominant hand	Cont
4	S4DOMHAND	s4domhand:w4 s grip strength dominant hand	Cont
6	S6DOMHAND	s6domhand:w6 s grip strength dominant hand	Cont
8	S8DOMHAND	s8domhand:w8-9 s grip strength dominant hand	Cont
2	R2LGRIPI	r2lgrip1:w2 r left hand grip measurement 1(kg)	Cont
4	R4LGRIPI	r4lgrip1:w4 r left hand grip measurement 1(kg)	Cont
6	R6LGRIPI	r6lgrip1:w6 r left hand grip measurement 1(kg)	Cont
8	R8LGRIPI	r8lgrip1:w8-9 r left hand grip measurement 1(kg)	Cont
2	S2LGRIPI	s2lgrip1:w2 s left hand grip measurement 1(kg)	Cont
4	S4LGRIPI	s4lgrip1:w4 s left hand grip measurement 1(kg)	Cont
6	S6LGRIPI	s6lgrip1:w6 s left hand grip measurement 1(kg)	Cont
8	S8LGRIPI	s8lgrip1:w8-9 s left hand grip measurement 1(kg)	Cont
2	R2LGRIPI2	r2lgrip2:w2 r left hand grip measurement 2(kg)	Cont
4	R4LGRIPI2	r4lgrip2:w4 r left hand grip measurement 2(kg)	Cont
6	R6LGRIPI2	r6lgrip2:w6 r left hand grip measurement 2(kg)	Cont
8	R8LGRIPI2	r8lgrip2:w8-9 r left hand grip measurement 2(kg)	Cont
2	S2LGRIPI2	s2lgrip2:w2 s left hand grip measurement 2(kg)	Cont
4	S4LGRIPI2	s4lgrip2:w4 s left hand grip measurement 2(kg)	Cont
6	S6LGRIPI2	s6lgrip2:w6 s left hand grip measurement 2(kg)	Cont
8	S8LGRIPI2	s8lgrip2:w8-9 s left hand grip measurement 2(kg)	Cont
2	R2LGRIPI3	r2lgrip3:w2 r left hand grip measurement 3(kg)	Cont
4	R4LGRIPI3	r4lgrip3:w4 r left hand grip measurement 3(kg)	Cont
6	R6LGRIPI3	r6lgrip3:w6 r left hand grip measurement 3(kg)	Cont
8	R8LGRIPI3	r8lgrip3:w8-9 r left hand grip measurement 3(kg)	Cont
2	S2LGRIPI3	s2lgrip3:w2 s left hand grip measurement 3(kg)	Cont
4	S4LGRIPI3	s4lgrip3:w4 s left hand grip measurement 3(kg)	Cont
6	S6LGRIPI3	s6lgrip3:w6 s left hand grip measurement 3(kg)	Cont
8	S8LGRIPI3	s8lgrip3:w8-9 s left hand grip measurement 3(kg)	Cont
2	R2RGRIP1	r2rgrip1:w2 r right hand grip measurement 1(kg)	Cont
4	R4RGRIP1	r4rgrip1:w4 r right hand grip measurement 1(kg)	Cont
6	R6RGRIP1	r6rgrip1:w6 r right hand grip measurement 1(kg)	Cont
8	R8RGRIP1	r8rgrip1:w8-9 r right hand grip measurement 1(kg)	Cont
2	S2RGRIP1	s2rgrip1:w2 s right hand grip measurement 1(kg)	Cont
4	S4RGRIP1	s4rgrip1:w4 s right hand grip measurement 1(kg)	Cont
6	S6RGRIP1	s6rgrip1:w6 s right hand grip measurement 1(kg)	Cont
8	S8RGRIP1	s8rgrip1:w8-9 s right hand grip measurement 1(kg)	Cont
2	R2RGRIP2	r2rgrip2:w2 r right hand grip measurement 2(kg)	Cont
4	R4RGRIP2	r4rgrip2:w4 r right hand grip measurement 2(kg)	Cont
6	R6RGRIP2	r6rgrip2:w6 r right hand grip measurement 2(kg)	Cont
8	R8RGRIP2	r8rgrip2:w8-9 r right hand grip measurement 2(kg)	Cont
2	S2RGRIP2	s2rgrip2:w2 s right hand grip measurement 2(kg)	Cont
4	S4RGRIP2	s4rgrip2:w4 s right hand grip measurement 2(kg)	Cont

6	S6RGRIP2	s6rgrip2:w6	s right hand grip measurement 2(kg)	Cont
8	S8RGRIP2	s8rgrip2:w8-9	s right hand grip measurement 2(kg)	Cont
2	R2RGRIP3	r2rgrip3:w2	r right hand grip measurement 3(kg)	Cont
4	R4RGRIP3	r4rgrip3:w4	r right hand grip measurement 3(kg)	Cont
6	R6RGRIP3	r6rgrip3:w6	r right hand grip measurement 3(kg)	Cont
8	R8RGRIP3	r8rgrip3:w8-9	r right hand grip measurement 3(kg)	Cont
2	S2RGRIP3	s2rgrip3:w2	s right hand grip measurement 3(kg)	Cont
4	S4RGRIP3	s4rgrip3:w4	s right hand grip measurement 3(kg)	Cont
6	S6RGRIP3	s6rgrip3:w6	s right hand grip measurement 3(kg)	Cont
8	S8RGRIP3	s8rgrip3:w8-9	s right hand grip measurement 3(kg)	Cont
2	R2LGRIP	r2lgrip:w2	r maximum left hand grip measurement (kg)	Cont
4	R4LGRIP	r4lgrip:w4	r maximum left hand grip measurement (kg)	Cont
6	R6LGRIP	r6lgrip:w6	r maximum left hand grip measurement (kg)	Cont
8	R8LGRIP	r8lgrip:w8-9	r maximum left hand grip measurement (kg)	Cont
2	S2LGRIP	s2lgrip:w2	s maximum left hand grip measurement (kg)	Cont
4	S4LGRIP	s4lgrip:w4	s maximum left hand grip measurement (kg)	Cont
6	S6LGRIP	s6lgrip:w6	s maximum left hand grip measurement (kg)	Cont
8	S8LGRIP	s8lgrip:w8-9	s maximum left hand grip measurement (kg)	Cont
2	R2RGRIP	r2rgrip:w2	r maximum right hand grip measurement (kg)	Cont
4	R4RGRIP	r4rgrip:w4	r maximum right hand grip measurement (kg)	Cont
6	R6RGRIP	r6rgrip:w6	r maximum right hand grip measurement (kg)	Cont
8	R8RGRIP	r8rgrip:w8-9	r maximum right hand grip measurement (kg)	Cont
2	S2RGRIP	s2rgrip:w2	s maximum right hand grip measurement (kg)	Cont
4	S4RGRIP	s4rgrip:w4	s maximum right hand grip measurement (kg)	Cont
6	S6RGRIP	s6rgrip:w6	s maximum right hand grip measurement (kg)	Cont
8	S8RGRIP	s8rgrip:w8-9	s maximum right hand grip measurement (kg)	Cont
2	R2GRIPSUM	r2gripsum:w2	r dominant hand grip strength (kg)	Cont
4	R4GRIPSUM	r4gripsum:w4	r dominant hand grip strength (kg)	Cont
6	R6GRIPSUM	r6gripsum:w6	r dominant hand grip strength (kg)	Cont
8	R8GRIPSUM	r8gripsum:w8-9	r dominant hand grip strength (kg)	Cont
2	S2GRIPSUM	s2gripsum:w2	s dominant hand grip strength (kg)	Cont
4	S4GRIPSUM	s4gripsum:w4	s dominant hand grip strength (kg)	Cont
6	S6GRIPSUM	s6gripsum:w6	s dominant hand grip strength (kg)	Cont
8	S8GRIPSUM	s8gripsum:w8-9	s dominant hand grip strength (kg)	Cont
2	R2GRIPCOMP	r2gripcomp:w2	r willing and able to complete grip strength t	Categ
4	R4GRIPCOMP	r4gripcomp:w4	r willing and able to complete grip strength t	Categ
6	R6GRIPCOMP	r6gripcomp:w6	r willing and able to complete grip strength t	Categ
8	R8GRIPCOMP	r8gripcomp:w8-9	r willing and able to complete grip strength	Categ
2	S2GRIPCOMP	s2gripcomp:w2	s willing and able to complete grip strength t	Categ
4	S4GRIPCOMP	s4gripcomp:w4	s willing and able to complete grip strength t	Categ
6	S6GRIPCOMP	s6gripcomp:w6	s willing and able to complete grip strength t	Categ
8	S8GRIPCOMP	s8gripcomp:w8-9	s willing and able to complete grip strength	Categ
2	R2GRIPPOS	r2gripupos:w2	r's position for grip strength test	Categ
4	R4GRIPPOS	r4gripupos:w4	r's position for grip strength test	Categ
6	R6GRIPPOS	r6gripupos:w6	r's position for grip strength test	Categ
8	R8GRIPPOS	r8gripupos:w8-9	r's position for grip strength test	Categ
2	S2GRIPPOS	s2gripupos:w2	s's position for grip strength test	Categ
4	S4GRIPPOS	s4gripupos:w4	s's position for grip strength test	Categ
6	S6GRIPPOS	s6gripupos:w6	s's position for grip strength test	Categ
8	S8GRIPPOS	s8gripupos:w8-9	s's position for grip strength test	Categ

2	R2GRIPRSTA	r2griprsta:w2	r	rested arms on a support during grip strengt	Categ
4	R4GRIPRSTA	r4griprsta:w4	r	rested arms on a support during grip strengt	Categ
6	R6GRIPRSTA	r6griprsta:w6	r	rested arms on a support during grip strengt	Categ
8	R8GRIPRSTA	r8griprsta:w8-9	r	rested arms on a support during grip stren	Categ
2	S2GRIPRSTA	s2griprsta:w2	s	rested arms on a support during grip strengt	Categ
4	S4GRIPRSTA	s4griprsta:w4	s	rested arms on a support during grip strengt	Categ
6	S6GRIPRSTA	s6griprsta:w6	s	rested arms on a support during grip strengt	Categ
8	S8GRIPRSTA	s8griprsta:w8-9	s	rested arms on a support during grip stren	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2DOMHAND	7564	1.09	0.28	1.00	2.00
R4DOMHAND	8496	1.09	0.29	1.00	2.00
R6DOMHAND	7883	1.10	0.30	1.00	2.00
R8DOMHAND	6474	1.10	0.30	1.00	2.00
S2DOMHAND	4881	1.09	0.29	1.00	2.00
S4DOMHAND	5658	1.09	0.29	1.00	2.00
S6DOMHAND	5238	1.10	0.30	1.00	2.00
S8DOMHAND	3678	1.10	0.30	1.00	2.00
R2LGRIPI1	7495	26.30	10.72	0.00	68.00
R4LGRIPI1	8409	26.53	10.69	0.00	66.00
R6LGRIPI1	7799	25.89	10.32	0.00	70.00
R8LGRIPI1	6374	25.65	10.23	0.00	67.00
S2LGRIPI1	4843	28.24	10.66	0.00	68.00
S4LGRIPI1	5605	28.13	10.56	0.00	66.00
S6LGRIPI1	5189	27.38	10.21	0.00	65.00
S8LGRIPI1	3633	26.48	9.96	1.00	67.00
R2LGRIPI2	7495	27.00	11.11	0.00	69.00
R4LGRIPI2	8407	27.09	11.08	0.00	69.00
R6LGRIPI2	7799	26.36	10.70	0.00	68.00
R8LGRIPI2	6373	26.20	10.38	0.00	67.00
S2LGRIPI2	4843	29.04	11.03	0.00	69.00
S4LGRIPI2	5604	28.74	10.96	0.00	68.00
S6LGRIPI2	5189	27.93	10.55	0.00	66.00
S8LGRIPI2	3633	27.10	10.12	0.00	65.00
R2LGRIPI3	7493	27.21	11.19	0.00	75.00
R4LGRIPI3	8407	27.30	11.24	0.00	70.00
R6LGRIPI3	7798	26.54	10.85	0.00	69.00
R8LGRIPI3	6369	26.35	10.54	0.00	66.00
S2LGRIPI3	4842	29.25	11.11	0.00	75.00
S4LGRIPI3	5604	29.01	11.12	0.00	66.00
S6LGRIPI3	5188	28.12	10.68	0.00	69.00
S8LGRIPI3	3630	27.20	10.26	0.00	65.00
R2RGRIP1	7506	28.72	11.40	0.00	70.00
R4RGRIP1	8417	28.82	11.46	0.00	70.00
R6RGRIP1	7803	27.98	11.00	0.00	71.00
R8RGRIP1	6367	27.99	10.79	0.00	72.00
S2RGRIP1	4849	30.83	11.27	0.00	70.00
S4RGRIP1	5612	30.49	11.37	0.00	70.00
S6RGRIP1	5198	29.56	10.84	0.00	71.00
S8RGRIP1	3636	28.81	10.53	0.00	67.00



R2RGRIP2	7506	29.18	11.66	0.00	72.00
R4RGRIP2	8414	29.19	11.67	0.00	70.00
R6RGRIP2	7803	28.48	11.19	0.00	70.00
R8RGRIP2	6367	28.41	10.97	0.00	68.00
S2RGRIP2	4849	31.35	11.54	0.00	72.00
S4RGRIP2	5610	30.93	11.52	0.00	70.00
S6RGRIP2	5198	30.10	11.01	0.00	70.00
S8RGRIP2	3636	29.32	10.70	0.00	67.00
R2RGRIP3	7504	29.37	11.82	0.00	72.00
R4RGRIP3	8414	29.42	11.85	0.00	70.00
R6RGRIP3	7802	28.66	11.31	0.00	74.00
R8RGRIP3	6366	28.58	11.06	0.00	67.00
S2RGRIP3	4848	31.56	11.71	0.00	72.00
S4RGRIP3	5610	31.23	11.71	0.00	70.00
S6RGRIP3	5198	30.32	11.11	0.00	74.00
S8RGRIP3	3636	29.50	10.74	0.00	66.00
R2LGRIP	7495	28.64	11.12	0.00	75.00
R4LGRIP	8409	28.79	11.10	0.00	70.00
R6LGRIP	7799	27.96	10.76	0.00	70.00
R8LGRIP	5600	27.19	10.30	0.00	67.00
S2LGRIP	4843	30.71	11.02	0.00	75.00
S4LGRIP	5605	30.51	10.95	0.00	68.00
S6LGRIP	5189	29.54	10.62	0.00	69.00
S8LGRIP	3633	28.58	10.24	3.00	67.00
R2RGRIP	7506	30.76	11.72	0.00	72.00
R4RGRIP	8417	30.82	11.71	0.00	70.00
R6RGRIP	7803	29.96	11.30	0.00	74.00
R8RGRIP	5596	29.33	10.87	0.00	67.00
S2RGRIP	4849	32.99	11.57	0.00	72.00
S4RGRIP	5612	32.61	11.58	0.00	70.00
S6RGRIP	5198	31.63	11.10	0.00	74.00
S8RGRIP	3636	30.78	10.77	0.00	67.00
R2GRIPSUM	7510	30.84	11.74	0.00	72.00
R4GRIPSUM	8422	30.92	11.76	0.00	70.00
R6GRIPSUM	7813	30.04	11.35	0.00	74.00
R8GRIPSUM	5603	29.43	10.93	0.00	67.00
S2GRIPSUM	4850	33.07	11.59	0.00	72.00
S4GRIPSUM	5612	32.73	11.62	0.00	70.00
S6GRIPSUM	5202	31.70	11.16	0.00	74.00
S8GRIPSUM	3639	30.87	10.81	0.00	67.00
R2GRIPCOMP	7666	0.99	0.12	0.00	1.00
R4GRIPCOMP	8643	0.98	0.14	0.00	1.00
R6GRIPCOMP	8054	0.98	0.15	0.00	1.00
R8GRIPCOMP	6595	0.98	0.15	0.00	1.00
S2GRIPCOMP	4922	0.99	0.10	0.00	1.00
S4GRIPCOMP	5746	0.98	0.13	0.00	1.00
S6GRIPCOMP	5321	0.98	0.13	0.00	1.00
S8GRIPCOMP	3726	0.98	0.13	0.00	1.00
R2GRIPPOS	7553	1.20	0.40	1.00	2.00
R4GRIPPOS	8476	1.19	0.39	1.00	2.00

R6GRIPPOS	7868	1.16	0.37	1.00	2.00
R8GRIPPOS	6445	1.14	0.35	1.00	2.00
S2GRIPPOS	4876	1.18	0.39	1.00	2.00
S4GRIPPOS	5646	1.17	0.37	1.00	2.00
S6GRIPPOS	5231	1.13	0.34	1.00	2.00
S8GRIPPOS	3666	1.12	0.32	1.00	2.00
R2GRIPRSTA	7553	0.06	0.23	0.00	1.00
R4GRIPRSTA	8476	0.05	0.22	0.00	1.00
R6GRIPRSTA	7868	0.05	0.22	0.00	1.00
R8GRIPRSTA	6445	0.09	0.28	0.00	1.00
S2GRIPRSTA	4876	0.04	0.20	0.00	1.00
S4GRIPRSTA	5646	0.04	0.18	0.00	1.00
S6GRIPRSTA	5231	0.04	0.18	0.00	1.00
S8GRIPRSTA	3666	0.08	0.26	0.00	1.00

### Categorical Variable Codes

Value-----	R2DOMHAND	R4DOMHAND
.n:not willing/able	102	147
.s:skipped	1766	2407
1.right hand	6899	7712
2.left hand	665	784

Value-----	R6DOMHAND	R8DOMHAND
.n:not willing/able	171	121
.s:skipped	2547	3440
1.right hand	7111	5826
2.left hand	772	648

Value-----	S2DOMHAND	S4DOMHAND
.n:not willing/able	41	88
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
1.right hand	4436	5137
2.left hand	445	521

Value-----	S6DOMHAND	S8DOMHAND
.n:not willing/able	83	48
.s:skipped	1921	1962
.u:Unmar	2802	2255
.v:SP NR	557	502
1.right hand	4728	3315
2.left hand	510	363

Value-----	R2GRIPCOMP	R4GRIPCOMP
.s:skipped	1766	2407
0.no	114	175
1.yes	7552	8468

Value-----	R6GRIPCOMP	R8GRIPCOMP
.s:skipped	2547	3440
0.no	188	152
1.yes	7866	6443

Value-----	S2GRIPCOMP	S4GRIPCOMP
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	46	103
1.yes	4876	5643

Value-----	S6GRIPCOMP	S8GRIPCOMP
.s:skipped	1921	1962

.u:Unmar	2802	2255	
.v:SP NR	557	502	
0.no	92	61	
1.yes	5229	3665	
Value-----	R2GRIPPOS	R4GRIPPOS	
.d:DK		2	
.n:not willing/able	113	165	
.s:skipped	1766	2407	
1.standing	6033	6897	
2.sitting	1520	1579	
Value-----	R6GRIPPOS	R8GRIPPOS	
.n:not willing/able	186	149	
.r:Refuse		1	
.s:skipped	2547	3440	
1.standing	6608	5554	
2.sitting	1260	891	
Value-----	S2GRIPPOS	S4GRIPPOS	
.d:DK		2	
.n:not willing/able	46	98	
.s:skipped	1256	1656	
.u:Unmar	2671	2932	
.v:SP NR	583	716	
1.standing	3992	4709	
2.sitting	884	937	
Value-----	S6GRIPPOS	S8GRIPPOS	
.n:not willing/able	90	60	
.s:skipped	1921	1962	
.u:Unmar	2802	2255	
.v:SP NR	557	502	
1.standing	4546	3233	
2.sitting	685	433	
Value-----	R2GRIPRSTA	R4GRIPRSTA	
.d:DK		2	
.n:not willing/able	113	165	
.s:skipped	1766	2407	
0.no	7128	8027	
1.yes	425	449	
Value-----	R6GRIPRSTA	R8GRIPRSTA	
.n:not willing/able	186	149	
.r:Refuse		1	
.s:skipped	2547	3440	
0.no	7453	5877	
1.yes	415	568	
Value-----	S2GRIPRSTA	S4GRIPRSTA	
.d:DK		2	
.n:not willing/able	46	98	
.s:skipped	1256	1656	
.u:Unmar	2671	2932	
.v:SP NR	583	716	
0.no	4674	5446	
1.yes	202	200	
Value-----	S6GRIPRSTA	S8GRIPRSTA	
.n:not willing/able	90	60	
.s:skipped	1921	1962	
.u:Unmar	2802	2255	
.v:SP NR	557	502	
0.no	5046	3388	
1.yes	185	278	

**General Comments:**

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

## How Constructed

RwDOMHAND indicates the respondent's dominant hand. RwDOMHAND is coded as follows: 1.right hand, 2.left hand. Special missing .n is assigned if the respondent did not complete the grip strength measurements because the respondent refused to participate or the measurement was unable to be taken. Special missing .s is assigned if the grip strength measurements were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwDOMHAND indicates the current wave's spouse's dominant hand, and is taken from RwDOMHAND. In addition to the special missing codes used for RwDOMHAND, SwDOMHAND employs two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLGRIP1, RwLGRIP2, RwLGRIP3, RwRGRIP1, RwRGRIP2, and RwRGRIP3 indicate the respondent's first, second, and third grip strength measurements for the left and right hand, respectively. RwLGRIP and RwRGRIP indicate the respondent's maximum grip strength measurement for the left and right hand, respectively. RwGRIPSUM indicates the maximum measurement of the dominant hand, as such, RwLGRIP is used for respondents with a dominant left hand, and RwRGRIP is used for respondents with a dominant right hand. RwLGRIP1, RwLGRIP2, RwLGRIP3, RwLGRIP, and RwGRIPSUM are assigned special missing .l if the respondent's left hand was unable to be measured but their right hand was able to be measured. RwRGRIP1, RwRGRIP2, RwRGRIP3, RwRGRIP, and RwGRIPSUM are assigned special missing .t if the respondent's right hand was unable to be measured but their left hand was able to be measured. Special missing .n is assigned if the respondent did not complete the grip strength measurements because the respondent refused to participate or the measurement was unable to be taken. Special missing .s is assigned if the grip strength measurements were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses of all grip strength measurements are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwLGRIP1, SwLGRIP2, SwLGRIP3, SwRGRIP1, SwRGRIP2, and SwRGRIP3 indicate the current wave's spouse's first, second, and third left and right grip strength measurements. SwLGRIP and SwRGRIP indicate the current wave's spouse's maximum grip strength measurement for the left and right hand, respectively. SwGRIPSUM indicates the current wave's spouse's maximum grip strength measurement for their dominant hand. The values for the spouse variables are taken from the corresponding respondent variables. In addition to the special missing codes used by RwLGRIP1, RwLGRIP2, RwLGRIP3, RwRGRIP1, RwRGRIP2, RwRGRIP3, RwLGRIP, RwRGRIP, and RwGRIPSUM, SwLGRIP1, SwLGRIP2, SwLGRIP3, SwRGRIP1, SwRGRIP2, SwRGRIP3, SwLGRIP, SwRGRIP, and SwGRIPSUM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwGRIPCOMP indicates whether the respondent is willing and able to complete the grip strength tests. RwGRIPCOMP is coded as 1 if the respondent was willing to participate in the grip strength tests, had the use of at least one hand for the purposes of the grip strength tests, and completed at least one grip strength test. RwGRIPCOMP is coded as 0 if the respondent refused to participate, the measurement was unable to be taken, the respondent did not have the use of either hand for the purposes of the grip strength tests, or the respondent did not complete any of the grip strength tests. Special missing .s is assigned if the grip strength measurements were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwGRIPCOMP indicates whether the respondent's current wave's spouse is willing and able to complete the grip strength test, and its values are taken from RwGRIPCOMP. In addition to the special missing codes employed by RwGRIPCOMP, SwGRIPCOMP employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwGRIPPOS indicates the respondent's position during the grip strength tests. RwGRIPPOS is coded as follows: 1.standing, 2.sitting. RwGRIPRSTA indicates whether the respondent rested their arms on a support during the grip strength tests. RwGRIPRSTA is coded as 0.no and 1.yes. Special missing .n is assigned if the respondent did not complete the grip strength measurements because the respondent refused to participate or the measurement was unable to be taken. Special missing .s is assigned if the grip strength measurements were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses of all grip strength measurements are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwGRIPPOS and SwGRIPRSTA indicate the respondent's current wave's spouse's position during the grip strength tests, and whether they rested their arms on a support, and their values are taken from RwGRIPPOS and RwGRIPRSTA. In addition to the special missing codes employed by RwGRIPPOS and RwGRIPRSTA, SwGRIPPOS and SwGRIPRSTA employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

### Cross Wave Differences in ELSA

These measurements are performed during the nurse interview in the even-numbered waves of ELSA. Only half of the sample was invited for a nurse interview in Wave 8 and the remaining half was invited for a nurse interview in Wave 9. The samples from Wave 8 and Wave 9 are meant to be analyzed together, so they have been combined and released as Wave 8 variables in the Harmonized ELSA.

### Differences with the RAND HRS/Harmonized HRS

The HRS completes two grip strength measurements per hand, while the ELSA completes three grip strength measurements per hand. As such, there are RwLGRIP3 and RwRGRIP3 in the Harmonized ELSA, which are not included in the Harmonized HRS. Further, the maximum grip strength presented in RwLGRIP, RwRGRIP, and RwGRIPSUM are taken out of three trials in ELSA and out of 2 trials in HRS.

RwGRIPPOS in the Harmonized HRS includes the option of lying down, which is not present in this variable in the Harmonized ELSA.

RwGRIPPEFF in the Harmonized HRS indicates how much effort the respondent gave to the grip strength tests, and this is not surveyed in the ELSA and so not included in the Harmonized ELSA.

### ELSA Variables Used

#### Wave 2 Nurse:

MMGSD1	grip strength: 1st measurement dominant hand (kg)
MMGSD2	grip strength: 2nd measurement dominant hand (kg)
MMGSD3	grip strength: 3rd measurement dominant hand (kg)
MMGSDOM	grip strength: dominant hand to be used for grip strengt
MMGSN1	grip strength: 1st measurement non-dominant hand (kg)
MMGSN2	grip strength: 2nd measurement non-dominant hand (kg)
MMGSN3	grip strength: 3rd measurement non-dominant hand (kg)
MMGSRES	grip strength: number of grip strength measurements obta
MMGSSTA	grip strength: whether respondent is able to use both, o
MMGSTP	grip strength: respondent's position during grip strengt
MMGSWIL	grip strength: whether respondent is willing to have gri

#### Wave 4 Nurse:

MMGSD1	grip strength: 1st measurement dominant hand (kg)
MMGSD2	grip strength: 2nd measurement dominant hand (kg)
MMGSD3	grip strength: 3rd measurement dominant hand (kg)
MMGSDOM	grip strength: dominant hand to be used for grip strengt
MMGSN1	grip strength: 1st measurement non-dominant hand (kg)
MMGSN2	grip strength: 2nd measurement non-dominant hand (kg)
MMGSN3	grip strength: 3rd measurement non-dominant hand (kg)
MMGSRES	grip strength: number of grip strength measurements obta
MMGSSTA	grip strength: whether respondent is able to use both, o

MMGSTP	grip strength: position of respondent during measurement
MMGSWIL	grip strength: whether respondent is willing to have gri
Wave 6 Nurse:	
MMGSD1	grip: first measurement dominant hand (kg)
MMGSD2	grip: second measurement dominant hand (kg)
MMGSD3	grip: third measurement dominant hand (kg)
MMGSDOM	grip: dominant hand to be used for grip strength measure
MMGSN1	grip: first measurement non-dominant hand (kg)
MMGSN2	grip: second measurement non-dominant hand (kg)
MMGSN3	grip: third measurement non-dominant hand (kg)
MMGSRES	grip: number of grip strength measurements obtained
MMGSSTA	grip: respondent able to use both, one or neither hands
MMGSTP	grip: position during grip strength measurement
MMGSWIL	grip: respondent is willing to have grip strength measur
Wave 8 & 9 Nurse:	
MMGSD1	Grip: first measurement dominant hand (kg)
MMGSD2	Grip: second measurement dominant hand (kg)
MMGSD3	Grip: third measurement dominant hand (kg)
MMGSDOM	Grip: dominant hand to be used for grip strength measure
MMGSN1	Grip: first measurement non-dominant hand (kg)
MMGSN2	Grip: second measurement non-dominant hand (kg)
MMGSN3	Grip: third measurement non-dominant hand (kg)
MMGSRES	Grip: number of grip strength measurements obtained
MMGSSTA	Grip: respondent able to use both, one or neither hands
MMGSTP	Grip: position during grip strength measurement
MMGSWIL	Grip: respondent is willing to have grip strength measur

### Hand Grip Strength Measurements: Reasons Didn't Complete

Wave	Variable	Label	Type
2	R2GRIPSFT	r2gripsft:w2 r didn't complete grip: unsafe/health reason	Categ
4	R4GRIPSFT	r4gripsft:w4 r didn't complete grip: unsafe/health reason	Categ
6	R6GRIPSFT	r6gripsft:w6 r didn't complete grip: unsafe/health reason	Categ
8	R8GRIPSFT	r8gripsft:w8-9 r didn't complete grip: unsafe/health reason	Categ
2	S2GRIPSFT	s2gripsft:w2 s didn't complete grip: unsafe/health reason	Categ
4	S4GRIPSFT	s4gripsft:w4 s didn't complete grip: unsafe/health reason	Categ
6	S6GRIPSFT	s6gripsft:w6 s didn't complete grip: unsafe/health reason	Categ
8	S8GRIPSFT	s8gripsft:w8-9 s didn't complete grip: unsafe/health reason	Categ
2	R2GRIPREF	r2gripref:w2 r didn't complete grip: refused	Categ
4	R4GRIPREF	r4gripref:w4 r didn't complete grip: refused	Categ
6	R6GRIPREF	r6gripref:w6 r didn't complete grip: refused	Categ
8	R8GRIPREF	r8gripref:w8-9 r didn't complete grip: refused	Categ
2	S2GRIPREF	s2gripref:w2 s didn't complete grip: refused	Categ
4	S4GRIPREF	s4gripref:w4 s didn't complete grip: refused	Categ
6	S6GRIPREF	s6gripref:w6 s didn't complete grip: refused	Categ
8	S8GRIPREF	s8gripref:w8-9 s didn't complete grip: refused	Categ
2	R2GRIPLEQUP	r2gripequp:w2 r didn't complete grip: faulty equipment	Categ
4	R4GRIPLEQUP	r4gripequp:w4 r didn't complete grip: faulty equipment	Categ
6	R6GRIPLEQUP	r6gripequp:w6 r didn't complete grip: faulty equipment	Categ
8	R8GRIPLEQUP	r8gripequp:w8-9 r didn't complete grip: faulty equipment	Categ
2	S2GRIPLEQUP	s2gripequp:w2 s didn't complete grip: faulty equipment	Categ
4	S4GRIPLEQUP	s4gripequp:w4 s didn't complete grip: faulty equipment	Categ
6	S6GRIPLEQUP	s6gripequp:w6 s didn't complete grip: faulty equipment	Categ
8	S8GRIPLEQUP	s8gripequp:w8-9 s didn't complete grip: faulty equipment	Categ
2	R2GRIPOTHR	r2gripothr:w2 r didn't complete grip: other reason	Categ
4	R4GRIPOTHR	r4gripothr:w4 r didn't complete grip: other reason	Categ
6	R6GRIPOTHR	r6gripothr:w6 r didn't complete grip: other reason	Categ
8	R8GRIPOTHR	r8gripothr:w8-9 r didn't complete grip: other reason	Categ
2	S2GRIPOTHR	s2gripothr:w2 s didn't complete grip: other reason	Categ
4	S4GRIPOTHR	s4gripothr:w4 s didn't complete grip: other reason	Categ
6	S6GRIPOTHR	s6gripothr:w6 s didn't complete grip: other reason	Categ
8	S8GRIPOTHR	s8gripothr:w8-9 s didn't complete grip: other reason	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2GRIPSFT	188	0.70	0.46	0.00	1.00
R4GRIPSFT	266	0.66	0.47	0.00	1.00
R6GRIPSFT	240	0.71	0.46	0.00	1.00
R8GRIPSFT	190	0.71	0.45	0.00	1.00
S2GRIPSFT	95	0.75	0.44	0.00	1.00
S4GRIPSFT	157	0.63	0.48	0.00	1.00
S6GRIPSFT	115	0.68	0.47	0.00	1.00
S8GRIPSFT	78	0.73	0.45	0.00	1.00
R2GRIPREF	188	0.21	0.41	0.00	1.00
R4GRIPREF	266	0.24	0.43	0.00	1.00
R6GRIPREF	240	0.21	0.41	0.00	1.00

R8GRIPREF	190	0.21	0.40	0.00	1.00
S2GRIPREF	95	0.14	0.35	0.00	1.00
S4GRIPREF	157	0.27	0.45	0.00	1.00
S6GRIPREF	115	0.23	0.43	0.00	1.00
S8GRIPREF	78	0.21	0.41	0.00	1.00
R2GRIPEQUP	188	0.00	0.00	0.00	0.00
R4GRIPEQUP	266	0.01	0.11	0.00	1.00
R6GRIPEQUP	240	0.00	0.00	0.00	0.00
R8GRIPEQUP	190	0.00	0.00	0.00	0.00
S2GRIPEQUP	95	0.00	0.00	0.00	0.00
S4GRIPEQUP	157	0.01	0.11	0.00	1.00
S6GRIPEQUP	115	0.00	0.00	0.00	0.00
S8GRIPEQUP	78	0.00	0.00	0.00	0.00
R2GRIPOTHR	188	0.09	0.29	0.00	1.00
R4GRIPOTHR	266	0.09	0.29	0.00	1.00
R6GRIPOTHR	240	0.08	0.27	0.00	1.00
R8GRIPOTHR	190	0.08	0.28	0.00	1.00
S2GRIPOTHR	95	0.12	0.32	0.00	1.00
S4GRIPOTHR	157	0.08	0.28	0.00	1.00
S6GRIPOTHR	115	0.09	0.28	0.00	1.00
S8GRIPOTHR	78	0.06	0.25	0.00	1.00

### Categorical Variable Codes

Value-----	R2GRIPSFT	R4GRIPSFT
.c:completed test	7467	8359
.m:Missing	11	18
.s:skipped	1766	2407
0.no	56	90
1.yes	132	176
Value-----	R6GRIPSFT	R8GRIPSFT
.c:completed test	7799	6377
.m:Missing	15	28
.s:skipped	2547	3440
0.no	70	55
1.yes	170	135
Value-----	S2GRIPSFT	S4GRIPSFT
.c:completed test	4822	5579
.m:Missing	5	10
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	24	58
1.yes	71	99
Value-----	S6GRIPSFT	S8GRIPSFT
.c:completed test	5199	3636
.m:Missing	7	12
.s:skipped	1921	1962
.u:Unmar	2802	2255
.v:SP NR	557	502
0.no	37	21
1.yes	78	57
Value-----	R2GRIPREF	R4GRIPREF
.c:completed test	7467	8359
.m:Missing	11	18
.s:skipped	1766	2407
0.no	148	203



1.yes		40		63
Value-----	R6GRIPREF		R8GRIPREF	
.c:completed test	7799		6377	
.m:Missing	15		28	
.s:skipped	2547		3440	
0.no	189		151	
1.yes	51		39	
Value-----	S2GRIPREF		S4GRIPREF	
.c:completed test	4822		5579	
.m:Missing	5		10	
.s:skipped	1256		1656	
.u:Unmar	2671		2932	
.v:SP NR	583		716	
0.no	82		114	
1.yes	13		43	
Value-----	S6GRIPREF		S8GRIPREF	
.c:completed test	5199		3636	
.m:Missing	7		12	
.s:skipped	1921		1962	
.u:Unmar	2802		2255	
.v:SP NR	557		502	
0.no	88		62	
1.yes	27		16	
Value-----	R2GRIPPEQUP		R4GRIPPEQUP	
.c:completed test	7467		8359	
.m:Missing	11		18	
.s:skipped	1766		2407	
0.no	188		263	
1.yes			3	
Value-----	R6GRIPPEQUP		R8GRIPPEQUP	
.c:completed test	7799		6377	
.m:Missing	15		28	
.s:skipped	2547		3440	
0.no	240		190	
Value-----	S2GRIPPEQUP		S4GRIPPEQUP	
.c:completed test	4822		5579	
.m:Missing	5		10	
.s:skipped	1256		1656	
.u:Unmar	2671		2932	
.v:SP NR	583		716	
0.no	95		155	
1.yes			2	
Value-----	S6GRIPPEQUP		S8GRIPPEQUP	
.c:completed test	5199		3636	
.m:Missing	7		12	
.s:skipped	1921		1962	
.u:Unmar	2802		2255	
.v:SP NR	557		502	
0.no	115		78	
Value-----	R2GRIPOTHR		R4GRIPOTHR	
.c:completed test	7467		8359	
.m:Missing	11		18	
.s:skipped	1766		2407	
0.no	171		242	
1.yes	17		24	
Value-----	R6GRIPOTHR		R8GRIPOTHR	
.c:completed test	7799		6377	
.m:Missing	15		28	
.s:skipped	2547		3440	
0.no	221		174	
1.yes	19		16	

Value-----	S2GRIPOTHR	S4GRIPOTHR
.c:completed test	4822	5579
.m:Missing	5	10
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	84	144
1.yes	11	13
Value-----	S6GRIPOTHR	S8GRIPOTHR
.c:completed test	5199	3636
.m:Missing	7	12
.s:skipped	1921	1962
.u:Unmar	2802	2255
.v:SP NR	557	502
0.no	105	73
1.yes	10	5

## General Comments:

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

## How Constructed

RwGRIPSFT, RwGRIPREF, RwGRIPQUP, and RwGRIPOTHR indicate the reasons for the respondent not completing the grip strength tests as reported by the interviewer. The interviewer is asked to report all of the reasons the respondent did not complete the grip strength test. RwGRIPSFT indicates whether the respondent did not complete the grip strength tests because the respondent had pain in their hands, joints, or muscles, or were otherwise unable to participate. RwGRIPREF indicates whether the respondent did not complete the grip strength tests because they refused. RwGRIPQUP indicates whether the respondent did not complete the grip strength tests because the equipment failed. RwGRIPOTHR indicates whether the respondent did not complete the grip strength tests because of another reason. RwGRIPSFT, RwGRIPREF, RwGRIPQUP, and RwGRIPOTHR are coded as 0 if the specific reason was not given for the respondent not completing the grip strength tests, and are coded as 1 if the specific reason was given. Special missing .c is assigned if the respondent completed all of the grip strength tests. Special missing .s is assigned if the grip strength measurements were skipped because the respondent did not participate in a nurse interview. Don't know, refuse, and other missing responses to RwGRIPSFT, RwGRIPREF, RwGRIPQUP, and RwGRIPOTHR are set to special missing .d, .r, and .m, respectively. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwGRIPSFT, SwGRIPREF, SwGRIPQUP, and SwGRIPOTHR indicate the reasons for the respondent's current wave's spouse not taking part in the grip strength test, and their values are taken from the spouse's values to RwGRIPSFT, RwGRIPREF, RwGRIPQUP, and RwGRIPOTHR. In addition to the special missing codes employed by RwGRIPSFT, RwGRIPREF, RwGRIPQUP, and RwGRIPOTHR, SwGRIPSFT, SwGRIPREF, SwGRIPQUP, and SwGRIPOTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

These measurements are performed during the nurse interview in the even-numbered waves of ELSA. Only half of the sample was invited for a nurse interview in Wave 8 and the remaining half was invited for a nurse interview in Wave 9. The samples from Wave 8 and Wave 9 are meant to be analyzed together, so they have been combined and released as Wave 8 variables in the Harmonized ELSA.

## Differences with the RAND HRS/Harmonized HRS

These variables in the Harmonized HRS are taken from a single question ascertaining the reasons for the respondent not participating in any of the grip strength tests, whereas these variables in the Harmonized ELSA are taken from 2 separate questions ascertaining the respondent's willingness to participate in the tests and the reasons for not obtaining some or all of the grip strength measurements.

The Harmonized HRS includes RwgRIPTRYU indicating whether the respondent was unable to complete any of the grip strength tests because they tried but were unable to complete them, which is not an option in the ELSA and so is not included in the Harmonized ELSA.

## ELSA Variables Used

### Wave 2 Nurse:

MMGSPR1	grip strength: 1st reason why none or only some measurem
MMGSPR2	grip strength: 2nd reason why none or only some measurem
MMGSRES	grip strength: number of grip strength measurements obta
MMGSWIL	grip strength: whether respondent is willing to have gri

### Wave 4 Nurse:

MMGSPREQ	grip strength: why none or only some measurements were o
MMGSPROT	grip strength: why none or only some measurements were o
MMGSPRPA	grip strength: why none or only some measurements were o
MMGSPRRE	grip strength: why none or only some measurements were o
MMGSRES	grip strength: number of grip strength measurements obta
MMGSWIL	grip strength: whether respondent is willing to have gri

### Wave 6 Nurse:

MMGSPREQ	grip: reason why none or only some grip strength measure
MMGSPROT	grip: reason why none or only some grip strength measure
MMGSPRPA	grip: reason why none or only some grip strength measure
MMGSPRRE	grip: reason why none or only some grip strength measure
MMGSRES	grip: number of grip strength measurements obtained
MMGSWIL	grip: respondent is willing to have grip strength measur

### Wave 8 & 9 Nurse:

MMGSPR95	Grip: reason why none or only some grip strength measure
MMGSPREQ	Grip: reason why none or only some grip strength measure
MMGSPRPA	Grip: reason why none or only some grip strength measure
MMGSPRRE	Grip: reason why none or only some grip strength measure
MMGSRES	Grip: number of grip strength measurements obtained
MMGSWIL	Grip: respondent is willing to have grip strength measur

<b>Height and Weight Measurements</b>
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Wave	Variable	Label	Type
2	R2MHEIGHT	r2mheight:w2 r height measurement in meters	Cont
4	R4MHEIGHT	r4mheight:w4 r height measurement in meters	Cont
6	R6MHEIGHT	r6mheight:w6 r height measurement in meters	Cont
8	R8MHEIGHT	r8mheight:w8 r height measurement in meters	Cont
2	S2MHEIGHT	s2mheight:w2 s height measurement in meters	Cont
4	S4MHEIGHT	s4mheight:w4 s height measurement in meters	Cont
6	S6MHEIGHT	s6mheight:w6 s height measurement in meters	Cont
8	S8MHEIGHT	s8mheight:w8 s height measurement in meters	Cont
2	R2MSITHGHT	r2msithght:w2 r sitting height in meters	Cont
4	R4MSITHGHT	r4msithght:w4 r sitting height in meters	Cont
2	S2MSITHGHT	s2msithght:w2 s sitting height in meters	Cont
4	S4MSITHGHT	s4msithght:w4 s sitting height in meters	Cont
2	R2MWEIGHT	r2mweight:w2 r weight measurement in kilograms	Cont
4	R4MWEIGHT	r4mweight:w4 r weight measurement in kilograms	Cont
6	R6MWEIGHT	r6mweight:w6 r weight measurement in kilograms	Cont
8	R8MWEIGHT	r8mweight:w8 r weight measurement in kilograms	Cont
9	R9MWEIGHT	r9mweight:w9 r weight measurement in kilograms	Cont
2	S2MWEIGHT	s2mweight:w2 s weight measurement in kilograms	Cont
4	S4MWEIGHT	s4mweight:w4 s weight measurement in kilograms	Cont
6	S6MWEIGHT	s6mweight:w6 s weight measurement in kilograms	Cont
8	S8MWEIGHT	s8mweight:w8 s weight measurement in kilograms	Cont
9	S9MWEIGHT	s9mweight:w9 s weight measurement in kilograms	Cont
2	R2MBMI	r2mbmi:w2 r measured Body Mass Index (kg/m2)	Cont
4	R4MBMI	r4mbmi:w4 r measured Body Mass Index (kg/m2)	Cont
6	R6MBMI	r6mbmi:w6 r measured Body Mass Index (kg/m2)	Cont
8	R8MBMI	r8mbmi:w8 r measured Body Mass Index (kg/m2)	Cont
2	S2MBMI	s2mbmi:w2 s measured Body Mass Index (kg/m2)	Cont
4	S4MBMI	s4mbmi:w4 s measured Body Mass Index (kg/m2)	Cont
6	S6MBMI	s6mbmi:w6 s measured Body Mass Index (kg/m2)	Cont
8	S8MBMI	s8mbmi:w8 s measured Body Mass Index (kg/m2)	Cont
2	R2MBMICAT	r2mbmicat:w2 r measured BMI categorization	Categ
4	R4MBMICAT	r4mbmicat:w4 r measured BMI categorization	Categ
6	R6MBMICAT	r6mbmicat:w6 r measured BMI categorization	Categ
8	R8MBMICAT	r8mbmicat:w8 r measured BMI categorization	Categ
2	S2MBMICAT	s2mbmicat:w2 s measured BMI categorization	Categ
4	S4MBMICAT	s4mbmicat:w4 s measured BMI categorization	Categ
6	S6MBMICAT	s6mbmicat:w6 s measured BMI categorization	Categ
8	S8MBMICAT	s8mbmicat:w8 s measured BMI categorization	Categ
2	R2HTCOMP	r2htcomp:w2 r willing and able to complete height measurement	Categ
4	R4HTCOMP	r4htcomp:w4 r willing and able to complete height measurement	Categ
6	R6HTCOMP	r6htcomp:w6 r willing and able to complete height measurement	Categ
2	S2HTCOMP	s2htcomp:w2 s willing and able to complete height measurement	Categ
4	S4HTCOMP	s4htcomp:w4 s willing and able to complete height measurement	Categ
6	S6HTCOMP	s6htcomp:w6 s willing and able to complete height measurement	Categ
2	R2STHTCOMP	r2sthtcomp:w2 r willing and able to complete sitting height	Categ

4	R4STHTCOMP	r4sthtcomp:w4	r willing and able to complete sitting height	Categ
2	S2STHTCOMP	s2sthtcomp:w2	s willing and able to complete sitting height	Categ
4	S4STHTCOMP	s4sthtcomp:w4	s willing and able to complete sitting height	Categ
2	R2WTCOMP	r2wtcomp:w2	r willing and able to complete weight measuremen	Categ
4	R4WTCOMP	r4wtcomp:w4	r willing and able to complete weight measuremen	Categ
6	R6WTCOMP	r6wtcomp:w6	r willing and able to complete weight measuremen	Categ
8	R8WTCOMP	r8wtcomp:w8	r willing and able to complete weight measuremen	Categ
9	R9WTCOMP	r9wtcomp:w9	r willing and able to complete weight measuremen	Categ
2	S2WTCOMP	s2wtcomp:w2	s willing and able to complete weight measuremen	Categ
4	S4WTCOMP	s4wtcomp:w4	s willing and able to complete weight measuremen	Categ
6	S6WTCOMP	s6wtcomp:w6	s willing and able to complete weight measuremen	Categ
8	S8WTCOMP	s8wtcomp:w8	s willing and able to complete weight measuremen	Categ
9	S9WTCOMP	s9wtcomp:w9	s willing and able to complete weight measuremen	Categ
2	R2WTFLR_E	r2wtflr_e:w2	r floor surface weight measurement	Categ
4	R4WTFLR_E	r4wtflr_e:w4	r floor surface weight measurement	Categ
6	R6WTFLR_E	r6wtflr_e:w6	r floor surface weight measurement	Categ
8	R8WTFLR_E	r8wtflr_e:w8	r floor surface weight measurement	Categ
9	R9WTFLR_E	r9wtflr_e:w9	r floor surface weight measurement	Categ
2	S2WTFLR_E	s2wtflr_e:w2	s floor surface weight measurement	Categ
4	S4WTFLR_E	s4wtflr_e:w4	s floor surface weight measurement	Categ
6	S6WTFLR_E	s6wtflr_e:w6	s floor surface weight measurement	Categ
8	S8WTFLR_E	s8wtflr_e:w8	s floor surface weight measurement	Categ
9	S9WTFLR_E	s9wtflr_e:w9	s floor surface weight measurement	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2MHEIGHT	7330	1.65	0.10	1.20	2.01
R4MHEIGHT	8318	1.66	0.10	1.11	2.07
R6MHEIGHT	7777	1.66	0.10	1.34	2.02
R8MHEIGHT	7030	1.66	0.09	1.34	2.02
S2MHEIGHT	4784	1.67	0.09	1.20	2.01
S4MHEIGHT	5605	1.67	0.09	1.11	2.02
S6MHEIGHT	5204	1.67	0.09	1.38	2.02
S8MHEIGHT	4564	1.67	0.09	1.38	2.02
R2MSITHGHT	6964	0.87	0.05	0.51	1.24
R4MSITHGHT	7760	0.87	0.05	0.49	1.43
S2MSITHGHT	4596	0.88	0.05	0.60	1.07
S4MSITHGHT	5277	0.88	0.05	0.61	1.37
R2MWEIGHT	7373	76.47	15.66	34.50	171.60
R4MWEIGHT	8428	77.82	16.55	37.00	193.90
R6MWEIGHT	7820	77.83	16.58	31.10	169.40
R8MWEIGHT	7727	78.03	17.23	35.10	186.20
R9MWEIGHT	7836	77.86	17.18	32.20	171.10
S2MWEIGHT	4790	78.29	15.39	37.80	150.00
S4MWEIGHT	5649	79.10	16.20	39.40	193.90
S6MWEIGHT	5219	79.03	16.21	38.50	169.40
S8MWEIGHT	5129	78.99	16.89	35.10	186.20
S9MWEIGHT	5094	78.72	16.96	35.00	171.10
R2MBMI	7225	27.93	4.89	14.87	56.15
R4MBMI	8262	28.27	5.30	14.70	71.10

R6MBMI	7693	28.29	5.26	15.10	59.43
R8MBMI	6675	28.11	5.44	14.75	64.89
S2MBMI	4723	28.09	4.74	14.87	56.15
S4MBMI	5575	28.30	5.13	15.40	71.10
S6MBMI	5163	28.35	5.10	15.10	59.43
S8MBMI	4338	28.08	5.21	14.75	64.89
R2MBMICAT	7225	3.10	0.96	1.00	6.00
R4MBMICAT	8262	3.17	1.02	1.00	6.00
R6MBMICAT	7693	3.16	1.03	1.00	6.00
R8MBMICAT	6675	3.13	1.05	1.00	6.00
S2MBMICAT	4723	3.13	0.94	1.00	6.00
S4MBMICAT	5575	3.18	1.00	1.00	6.00
S6MBMICAT	5163	3.17	1.00	1.00	6.00
S8MBMICAT	4338	3.13	1.02	1.00	6.00
R2HTCOMP	7666	0.97	0.17	0.00	1.00
R4HTCOMP	8643	0.98	0.15	0.00	1.00
R6HTCOMP	8054	0.98	0.15	0.00	1.00
S2HTCOMP	4922	0.98	0.14	0.00	1.00
S4HTCOMP	5746	0.98	0.12	0.00	1.00
S6HTCOMP	5321	0.99	0.12	0.00	1.00
R2STHTCOMP	7666	0.91	0.29	0.00	1.00
R4STHTCOMP	8643	0.90	0.30	0.00	1.00
S2STHTCOMP	4922	0.93	0.25	0.00	1.00
S4STHTCOMP	5746	0.92	0.27	0.00	1.00
R2WTCOMP	7666	0.97	0.18	0.00	1.00
R4WTCOMP	8643	0.97	0.16	0.00	1.00
R6WTCOMP	8054	0.97	0.17	0.00	1.00
R8WTCOMP	7879	0.91	0.29	0.00	1.00
R9WTCOMP	8032	0.89	0.31	0.00	1.00
S2WTCOMP	4922	0.98	0.15	0.00	1.00
S4WTCOMP	5746	0.98	0.13	0.00	1.00
S6WTCOMP	5321	0.98	0.14	0.00	1.00
S8WTCOMP	5214	0.92	0.27	0.00	1.00
S9WTCOMP	5211	0.91	0.29	0.00	1.00
R2WTFLLR_E	7411	2.68	0.50	1.00	3.00
R4WTFLLR_E	8420	2.62	0.53	1.00	3.00
R6WTFLLR_E	7813	2.63	0.60	1.00	3.00
R8WTFLLR_E	7156	2.64	0.50	1.00	3.00
R9WTFLLR_E	7139	2.68	0.49	1.00	3.00
S2WTFLLR_E	4801	2.71	0.48	1.00	3.00
S4WTFLLR_E	5642	2.64	0.53	1.00	3.00
S6WTFLLR_E	5209	2.64	0.61	1.00	3.00
S8WTFLLR_E	4812	2.65	0.50	1.00	3.00
S9WTFLLR_E	4717	2.70	0.49	1.00	3.00

### Categorical Variable Codes

Value-----	R2MBMICAT	R4MBMICAT
.i:Invalid answer	123	124
.n:not willing/able	284	224
.s:skipped	1766	2407

.x:tried but unable	34	33
1.underweight less than 18.	62	71
2.normal weight from 18.5 t	1946	2154
3.pre-obesity from 25 to 29	3132	3452
4.obesity class 1 from 30 t	1513	1749
5.obesity class 2 from 35 t	413	564
6.obesity class 3 greater t	159	272

Value-----	R6MBMICAT	R8MBMICAT
.e:missing by error		6
.i:Invalid answer	120	17
.m:Missing		30
.n:not willing/able	197	121
.p:proxy		462
.s:skipped	2547	1126
.x:tried but unable	44	8
1.underweight less than 18.	69	85
2.normal weight from 18.5 t	2043	1900
3.pre-obesity from 25 to 29	3174	2646
4.obesity class 1 from 30 t	1638	1347
5.obesity class 2 from 35 t	519	478
6.obesity class 3 greater t	250	219

Value-----	S2MBMICAT	S4MBMICAT
.i:Invalid answer	53	57
.n:not willing/able	133	103
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
.x:tried but unable	13	11
1.underweight less than 18.	21	32
2.normal weight from 18.5 t	1190	1389
3.pre-obesity from 25 to 29	2125	2418
4.obesity class 1 from 30 t	1023	1189
5.obesity class 2 from 35 t	262	378
6.obesity class 3 greater t	102	169

Value-----	S6MBMICAT	S8MBMICAT
.e:missing by error		4
.i:Invalid answer	52	10
.m:Missing		24
.n:not willing/able	86	60
.p:proxy		375
.s:skipped	1921	874
.u:Unmar	2802	2255
.v:SP NR	557	502
.x:tried but unable	20	3
1.underweight less than 18.	30	40
2.normal weight from 18.5 t	1308	1217
3.pre-obesity from 25 to 29	2220	1765
4.obesity class 1 from 30 t	1113	900
5.obesity class 2 from 35 t	334	289
6.obesity class 3 greater t	158	127

Value-----	R2HTCOMP	R4HTCOMP
.s:skipped	1766	2407
0.no	227	212
1.yes	7439	8431

Value-----	R6HTCOMP
.s:skipped	2547
0.no	176
1.yes	7878

Value-----	S2HTCOMP	S4HTCOMP
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	93	89
1.yes	4829	5657

Value-----	S6HTCOMP		
.s:skipped	1921		
.u:Unmar	2802		
.v:SP NR	557		
0.no	75		
1.yes	5246		
Value-----	R2STHTCOMP	R4STHTCOMP	
.s:skipped	1766	2407	
0.no	702	882	
1.yes	6964	7761	
Value-----	S2STHTCOMP	S4STHTCOMP	
.s:skipped	1256	1656	
.u:Unmar	2671	2932	
.v:SP NR	583	716	
0.no	326	468	
1.yes	4596	5278	
Value-----	R2WTCOMP	R4WTCOMP	
.s:skipped	1766	2407	
0.no	255	223	
1.yes	7411	8420	
Value-----	R6WTCOMP	R8WTCOMP	R9WTCOMP
.e:error		6	
.m:Missing		97	159
.p:proxy		463	545
.s:skipped	2547		
0.no	241	723	892
1.yes	7813	7156	7140
Value-----	S2WTCOMP	S4WTCOMP	
.s:skipped	1256	1656	
.u:Unmar	2671	2932	
.v:SP NR	583	716	
0.no	121	104	
1.yes	4801	5642	
Value-----	S6WTCOMP	S8WTCOMP	S9WTCOMP
.e:error		4	
.m:Missing		95	150
.p:proxy		375	459
.s:skipped	1921		
.u:Unmar	2802	2255	2286
.v:SP NR	557	502	630
0.no	112	402	493
1.yes	5209	4812	4718
Value-----	R2WTFLR_E	R4WTFLR_E	
.m:Missing	26	27	
.n:not willing/able	229	196	
.s:skipped	1766	2407	
1.uneven floor	118	207	
2.carpet	2108	2797	
3.neither	5185	5416	
Value-----	R6WTFLR_E	R8WTFLR_E	R9WTFLR_E
.e:error		6	
.m:Missing	44	149	220
.n:not willing/able	197	671	832
.p:proxy		463	545
.s:skipped	2547		
1.uneven floor	510	77	81
2.carpet	1906	2400	2101
3.neither	5397	4679	4957
Value-----	S2WTFLR_E	S4WTFLR_E	
.m:Missing	10	15	
.n:not willing/able	111	89	
.s:skipped	1256	1656	



.u:Unmar		2671	2932
.v:SP NR		583	716
1.uneven floor		68	144
2.carpet		1234	1726
3.neither		3499	3772
Value-----	S6WTFLR_E	S8WTFLR_E	S9WTFLR_E
.e:error		4	
.m:Missing	21	121	184
.n:not willing/able	91	376	460
.p:proxy		375	459
.s:skipped	1921		
.u:Unmar	2802	2255	2286
.v:SP NR	557	502	630
1.uneven floor	360	51	59
2.carpet	1158	1573	1302
3.neither	3691	3188	3356

## General Comments:

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

## How Constructed

RwMHEIGHT, RwMSITHGHT, and RwmWEIGHT indicate the respondent's measured standing height in meters, measured sitting height in meters, and measured weight in kilograms, respectively.

RwMBMI is the respondent's body mass index and it is derived by dividing the respondent's measured weight (kg) by the squared value of their measured standing height (m). Please note that weights greater than 130 kg were estimated rather than measured.

RwMBMICAT is the BMI category according to the WHO, and is coded as follows: 1.underweight (less than 18.5), 2.normal weight (18.5 to less than 25), 3.pre-obesity (25 to less than 30), 4.obesity class 1 (30 to less than 35), 5.obesity class 2 (35 to less than 40), and 6.obesity class 3 (40 and greater).

For Waves 2, 4, and 6, height and weight are measured in the nurse interview, so if no nurse interview took place, then the variables are assigned special missing .s. Starting in Wave 8, the weight measurement was moved from the nurse interview to the core interview. If the core interview was by proxy in these waves, then weight is not taken and RwmWEIGHT is assigned a special missing .p. Starting in Wave 8, a height measurement was no longer taken, so in this wave RwmHEIGHT contains values carried forward from the most recent wave with a nurse interview (Waves 2, 4, and 6) that the respondent participated in. If the respondent's first appearance in ELSA is in Wave 7 or 8, a special missing of .s is assigned to RwmHEIGHT in Wave 8 as their height would not be available. Wave 8 specific special missing codes for RwmHEIGHT and RwmWEIGHT are carried forward to RwMBMI and RwMBMICAT in this wave.

Special missing .x is assigned if the measurement was attempted but not obtained. Special missing .n is assigned if the respondent did not complete the measurements because they refused or because the measurements were not attempted. RwmHEIGHT and RwmWEIGHT are assigned special missing .i if the measurement was reported as being invalid according to the nurse taking the measurements. In Wave 4, RwMSITHGHT is assigned special missing .i if the measurement falls outside of reasonable sitting height range and is deemed invalid. Starting in Wave 8, RwmWEIGHT is assigned special missing .i if problems were experienced and the measurement was likely to be unreliable and for weights below 20 kilograms. In Wave 8, RwmWEIGHT is assigned special missing .e if the weight measurement is missing by error. Don't know, refused, or other missing responses of standing height, sitting height, weight, and BMI measurements are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwMHEIGHT, SwMSITHGHT, SwMWEIGHT, SwMBMI and SwMBMICAT indicate the measured standing height, sitting height, weight, body mass index, and BMI category of the current wave's spouse, respectively. Their values are taken from the spouse's values to RwmHEIGHT, RwMSITHGHT, RwmWEIGHT, RwMBMI, and RwMBMICAT. In addition to the special missing codes used for RwmHEIGHT, RwMSITHGHT, RwmWEIGHT, RwMBMI, and RwMBMICAT, SwMHEIGHT, SwSITHGHT, SwMWEIGHT, SwMBMI, and SwMBMICAT employ two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A

special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwHTCOMP, RwSTHTCOMP, and RwwTCOMP indicate whether the respondent was willing and able to complete the standing height, sitting height, and weight measurements, respectively. These variables are coded as 1 if the respondent completed the measurement, even if the measurement was considered invalid. These variables are coded as 0 if the respondent refused to participate, the measurement was not attempted, or the measurement was attempted but not obtained. In Waves 2, 4, and 6, special missing .s is assigned if these measurements were skipped because the respondent did not participate in a nurse interview. If the core interview was by proxy in Wave 8 or onward, then these variables are assigned a special missing .p. In Wave 8, RwwTCOMP is assigned special missing .e if the weight measurement is missing by error. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwHTCOMP, SwSTHTCOMP, and SwWTCOMP indicate whether the respondent's current wave's spouse was willing and able to complete the standing height, sitting height, and weight measurements, and their values are taken from RwHTCOMP, RwSTHTCOMP, and RwwTCOMP. In addition to the special missing codes employed by RwHTCOMP, RwSTHTCOMP, and RwwTCOMP, SwHTCOMP, SwSTHTCOMP, and SwWTCOMP employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwWTFLLR\_E indicates the type of floor the scale was placed on for the weight measurement according to the nurse taking the measurement. RwWTFLLR\_E is coded as follows: 1.uneven floor, 2.carpet, 3.neither. Special missing .n is assigned if the respondent did not complete this measurement because they refused or because the measurement was not attempted. Special missing .s is assigned if this measurement was skipped because the respondent did not participate in a nurse interview. Starting in Wave 8, special missing .p is assigned if the core interview was by proxy. In Wave 8, RwWTFLLR\_E is assigned special missing .e if the weight measurement is missing by error. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwWTFLLR\_E indicates the type of floor the scale was placed on for the respondent's current wave's spouse's weight measurement, and its values are taken from RwWTFLLR\_E. In addition to the special missing codes employed by RwWTFLLR\_E, SwWTFLLR\_E employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwMSITHGHT, SwMSITHGHT, RwSTHTCOMP, and SwSTHTCOMP are not available in Wave 6 as sitting height was not measured. Starting in Wave 8, the weight measurement is taken as part of the core interview. RwHTCOMP, SwHTCOMP, RwMSITHGHT, SwMSITHGHT, RwSTHTCOMP, and SwSTHTCOMP variables are not available starting in Wave 8 as sitting and standing heights were not measured.

## Cross Wave Differences in ELSA

These measurements are performed during the nurse interview in the 2nd, 4th, and 6th Waves of ELSA. In Wave 8, the weight measurement was moved from the nurse interview to the core interview. If the core interview was by proxy in Wave 8 or onward, then the weight was not taken. In Wave 8, the height measurement was no longer taken, so in this wave RwmHEIGHT contains values carried forward from the most recent wave with a nurse interview (Waves 2, 4, and 6) that the respondent participated in. Sitting height measurements were not obtained starting in Wave 6.

## Differences with the RAND HRS/Harmonized HRS

The HRS does not complete a sitting height measurement, so RwMSITHGHT and RwSTHTCOMP are not available in the Harmonized HRS.

Measurements deemed invalid in the standing height and weight measurements are coded as special missing .i in RwmHEIGHT and RwmWEIGHT in the Harmonized ELSA, whereas there is no indication of invalid measurements given for these variables in the Harmonized HRS.

The HRS asks whether the respondent was wearing shoes during the standing height and weight measurements and what type of floor the height measurement was taken on, given in RWSHOEH, RWSHOEW, and RWHTFLR in the Harmonized HRS, which are not asked and not available in the Harmonized ELSA.

RWWTFLR in the Harmonized HRS has a different response scale indicating the type of floor the weight measurement was taken on than does RWWTFLR\_E in the Harmonized ELSA.

## ELSA Variables Used

### Wave 2 Nurse:

BMIOK (d) whether bmi measure is valid  
 BMIVAL (d) valid bmi - inc estimated>130kg  
 FLOORC weight: surface scales places on  
 HTOK (d) whether height measure is valid  
 HTVAL (d) valid height (cm)  
 RESPHTS standing height: whether standing height measurement was  
 RESPWTS weight: whether weight measurement was attempted or obta  
 SITHGT sitting height measurement (cm)  
 SITHTRS sitting height: whether sitting height measurement was a  
 WTOK (d) whether weight measure is valid  
 WTVAL (d) valid weight (kg) inc. estimated>130kg

### Wave 4 Nurse:

BMIOK (d) whether bmi measure is valid  
 BMIVAL (d) valid bmi - inc estimated>130kg  
 FLOORC weight: surface scales places on  
 HTOK (d) whether height measure is valid  
 HTVAL (d) valid height (cm)  
 RESPHTS standing height: whether standing height measurement was  
 RESPWTS weight: whether weight measurement was attempted or obta  
 SITHGT sitting height measurement (cm)  
 SITHTRS sitting height: whether sitting height measurement was a  
 WTOK (d) whether weight measure is valid  
 WTVAL (d) valid weight (kg) inc. estimated>130kg

### Wave 6 Nurse:

BMIOK (d) whether bmi measure is valid  
 BMIVAL (d) valid bmi - inc estimated>130kg  
 FLOORC weight: surface scales placed on  
 HTOK (d) whether height measure is valid  
 HTVAL (d) valid height (cm)  
 RESPHTS height: whether standing height measurement was attempte  
 RESPWTS weight: whether weight measurement was attempted/obtaine  
 WTOK (d) whether weight measure is valid  
 WTVAL (d) valid weight (kg) inc. estimated>130kg

### Wave 8 Core:

ASKPX computed: whether respondent had an interview by proxy  
 ESTWT (d) weight: final measured or estimated weight (kg)  
 FLOORC weight: surface scales placed on  
 RELWAIT weight: reliability of weight measurement  
 RESPWTS weight: whether weight measurement was attempted/obtaine  
 WEIGHT weight: weight (kg)

### Wave 9 Core:

ASKPX Computed: whether respondent had an interview by proxy  
 ESTWT (D) Weight: final measured or estimated weight (kg)  
 FLOORC Weight: surface scales placed on  
 RELWAIT Weight: reliability of weight measurement  
 RESPWTS Weight: whether weight measurement was attempted/obtaine  
 WEIGHT Weight: weight (kg)

<b>Height and Weight Measurements: Reasons Didn't Complete</b>
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Wave	Variable	Label	Type
2	R2HGHTSFT	r2hgghtsft:w2 r didn't complete height: unsafe/health reason	Categ
4	R4HGHTSFT	r4hgghtsft:w4 r didn't complete height: unsafe/health reason	Categ
6	R6HGHTSFT	r6hgghtsft:w6 r didn't complete height: unsafe/health reason	Categ
2	S2HGHTSFT	s2hgghtsft:w2 s didn't complete height: unsafe/health reason	Categ
4	S4HGHTSFT	s4hgghtsft:w4 s didn't complete height: unsafe/health reason	Categ
6	S6HGHTSFT	s6hgghtsft:w6 s didn't complete height: unsafe/health reason	Categ
2	R2HGHTREF	r2hgghtref:w2 r didn't complete height: refused	Categ
4	R4HGHTREF	r4hgghtref:w4 r didn't complete height: refused	Categ
6	R6HGHTREF	r6hgghtref:w6 r didn't complete height: refused	Categ
2	S2HGHTREF	s2hgghtref:w2 s didn't complete height: refused	Categ
4	S4HGHTREF	s4hgghtref:w4 s didn't complete height: refused	Categ
6	S6HGHTREF	s6hgghtref:w6 s didn't complete height: refused	Categ
2	R2HGHTTRYU	r2hgghttryu:w2 r didn't complete height: tried but unable	Categ
4	R4HGHTTRYU	r4hgghttryu:w4 r didn't complete height: tried but unable	Categ
6	R6HGHTTRYU	r6hgghttryu:w6 r didn't complete height: tried but unable	Categ
2	S2HGHTTRYU	s2hgghttryu:w2 s didn't complete height: tried but unable	Categ
4	S4HGHTTRYU	s4hgghttryu:w4 s didn't complete height: tried but unable	Categ
6	S6HGHTTRYU	s6hgghttryu:w6 s didn't complete height: tried but unable	Categ
2	R2HGHTEQUP	r2hgghttryu:w2 r didn't complete height: faulty equipment	Categ
4	R4HGHTEQUP	r4hgghttryu:w4 r didn't complete height: faulty equipment	Categ
6	R6HGHTEQUP	r6hgghttryu:w6 r didn't complete height: faulty equipment	Categ
2	S2HGHTEQUP	s2hgghtequp:w2 s didn't complete height: faulty equipment	Categ
4	S4HGHTEQUP	s4hgghtequp:w4 s didn't complete height: faulty equipment	Categ
6	S6HGHTEQUP	s6hgghtequp:w6 s didn't complete height: faulty equipment	Categ
2	R2HGHTOTHR	r2hgghtothr:w2 r didn't complete height: other reason	Categ
4	R4HGHTOTHR	r4hgghtothr:w4 r didn't complete height: other reason	Categ
6	R6HGHTOTHR	r6hgghtothr:w6 r didn't complete height: other reason	Categ
2	S2HGHTOTHR	s2hgghtothr:w2 s didn't complete height: other reason	Categ
4	S4HGHTOTHR	s4hgghtothr:w4 s didn't complete height: other reason	Categ
6	S6HGHTOTHR	s6hgghtothr:w6 s didn't complete height: other reason	Categ
2	R2WGHTSFT	r2wgghtsft:w2 r didn't complete weight: unsafe/health reason	Categ
4	R4WGHTSFT	r4wgghtsft:w4 r didn't complete weight: unsafe/health reason	Categ
6	R6WGHTSFT	r6wgghtsft:w6 r didn't complete weight: unsafe/health reason	Categ
8	R8WGHTSFT	r8wgghtsft:w8 r didn't complete weight: unsafe/health reason	Categ
9	R9WGHTSFT	r9wgghtsft:w9 r didn't complete weight: unsafe/health reason	Categ
2	S2WGHTSFT	s2wgghtsft:w2 s didn't complete weight: unsafe/health reason	Categ
4	S4WGHTSFT	s4wgghtsft:w4 s didn't complete weight: unsafe/health reason	Categ
6	S6WGHTSFT	s6wgghtsft:w6 s didn't complete weight: unsafe/health reason	Categ
8	S8WGHTSFT	s8wgghtsft:w8 s didn't complete weight: unsafe/health reason	Categ
9	S9WGHTSFT	s9wgghtsft:w9 s didn't complete weight: unsafe/health reason	Categ
2	R2WGHTREF	r2wgghtref:w2 r didn't complete weight: refused	Categ
4	R4WGHTREF	r4wgghtref:w4 r didn't complete weight: refused	Categ
6	R6WGHTREF	r6wgghtref:w6 r didn't complete weight: refused	Categ
8	R8WGHTREF	r8wgghtref:w8 r didn't complete weight: refused	Categ
9	R9WGHTREF	r9wgghtref:w9 r didn't complete weight: refused	Categ

2	S2WGHTREF	s2wghtref:w2	s	didn't complete weight:	refused	Categ
4	S4WGHTREF	s4wghtref:w4	s	didn't complete weight:	refused	Categ
6	S6WGHTREF	s6wghtref:w6	s	didn't complete weight:	refused	Categ
8	S8WGHTREF	s8wghtref:w8	s	didn't complete weight:	refused	Categ
9	S9WGHTREF	s9wghtref:w9	s	didn't complete weight:	refused	Categ
2	R2WGHTTRYU	r2wghttryu:w2	r	didn't complete weight:	tried but unable	Categ
4	R4WGHTTRYU	r4wghttryu:w4	r	didn't complete weight:	tried but unable	Categ
6	R6WGHTTRYU	r6wghttryu:w6	r	didn't complete weight:	tried but unable	Categ
8	R8WGHTTRYU	r8wghttryu:w8	r	didn't complete weight:	tried but unable	Categ
9	R9WGHTTRYU	r9wghttryu:w9	r	didn't complete weight:	tried but unable	Categ
2	S2WGHTTRYU	s2wghttryu:w2	s	didn't complete weight:	tried but unable	Categ
4	S4WGHTTRYU	s4wghttryu:w4	s	didn't complete weight:	tried but unable	Categ
6	S6WGHTTRYU	s6wghttryu:w6	s	didn't complete weight:	tried but unable	Categ
8	S8WGHTTRYU	s8wghttryu:w8	s	didn't complete weight:	tried but unable	Categ
9	S9WGHTTRYU	s9wghttryu:w9	s	didn't complete weight:	tried but unable	Categ
2	R2WGHTEQUP	r2wghttryu:w2	r	didn't complete weight:	faulty equipment	Categ
4	R4WGHTEQUP	r4wghttryu:w4	r	didn't complete weight:	faulty equipment	Categ
6	R6WGHTEQUP	r6wghttryu:w6	r	didn't complete weight:	faulty equipment	Categ
8	R8WGHTEQUP	r8wghttryu:w8	r	didn't complete weight:	faulty equipment	Categ
9	R9WGHTEQUP	r9wghttryu:w9	r	didn't complete weight:	faulty equipment	Categ
2	S2WGHTEQUP	s2wghtequp:w2	s	didn't complete weight:	faulty equipment	Categ
4	S4WGHTEQUP	s4wghtequp:w4	s	didn't complete weight:	faulty equipment	Categ
6	S6WGHTEQUP	s6wghtequp:w6	s	didn't complete weight:	faulty equipment	Categ
8	S8WGHTEQUP	s8wghtequp:w8	s	didn't complete weight:	faulty equipment	Categ
9	S9WGHTEQUP	s9wghtequp:w9	s	didn't complete weight:	faulty equipment	Categ
2	R2WGHTOTHR	r2wghttothr:w2	r	didn't complete weight:	other reason	Categ
4	R4WGHTOTHR	r4wghttothr:w4	r	didn't complete weight:	other reason	Categ
6	R6WGHTOTHR	r6wghttothr:w6	r	didn't complete weight:	other reason	Categ
8	R8WGHTOTHR	r8wghttothr:w8	r	didn't complete weight:	other reason	Categ
9	R9WGHTOTHR	r9wghttothr:w9	r	didn't complete weight:	other reason	Categ
2	S2WGHTOTHR	s2wghttothr:w2	s	didn't complete weight:	other reason	Categ
4	S4WGHTOTHR	s4wghttothr:w4	s	didn't complete weight:	other reason	Categ
6	S6WGHTOTHR	s6wghttothr:w6	s	didn't complete weight:	other reason	Categ
8	S8WGHTOTHR	s8wghttothr:w8	s	didn't complete weight:	other reason	Categ
9	S9WGHTOTHR	s9wghttothr:w9	s	didn't complete weight:	other reason	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2HGHTSFT	227	0.54	0.50	0.00	1.00
R4HGHTSFT	212	0.58	0.49	0.00	1.00
R6HGHTSFT	176	0.74	0.44	0.00	1.00
S2HGHTSFT	93	0.49	0.50	0.00	1.00
S4HGHTSFT	89	0.48	0.50	0.00	1.00
S6HGHTSFT	75	0.59	0.50	0.00	1.00
R2HGHTREF	227	0.19	0.40	0.00	1.00
R4HGHTREF	212	0.14	0.35	0.00	1.00
R6HGHTREF	176	0.10	0.30	0.00	1.00
S2HGHTREF	93	0.25	0.43	0.00	1.00
S4HGHTREF	89	0.19	0.40	0.00	1.00
S6HGHTREF	75	0.17	0.38	0.00	1.00

R2HGHTTRYU	227	0.12	0.32	0.00	1.00
R4HGHTTRYU	212	0.15	0.36	0.00	1.00
R6HGHTTRYU	176	0.16	0.37	0.00	1.00
S2HGHTTRYU	93	0.12	0.32	0.00	1.00
S4HGHTTRYU	89	0.10	0.30	0.00	1.00
S6HGHTTRYU	75	0.13	0.34	0.00	1.00
R2HGHTEQUP	227	0.06	0.24	0.00	1.00
R4HGHTEQUP	212	0.08	0.28	0.00	1.00
R6HGHTEQUP	176	0.05	0.22	0.00	1.00
S2HGHTEQUP	93	0.05	0.23	0.00	1.00
S4HGHTEQUP	89	0.09	0.29	0.00	1.00
S6HGHTEQUP	75	0.09	0.29	0.00	1.00
R2HGHTOTHR	227	0.21	0.41	0.00	1.00
R4HGHTOTHR	212	0.19	0.40	0.00	1.00
R6HGHTOTHR	176	0.11	0.31	0.00	1.00
S2HGHTOTHR	93	0.20	0.41	0.00	1.00
S4HGHTOTHR	89	0.25	0.43	0.00	1.00
S6HGHTOTHR	75	0.15	0.36	0.00	1.00
R2WGHTSFT	255	0.38	0.49	0.00	1.00
R4WGHTSFT	223	0.48	0.50	0.00	1.00
R6WGHTSFT	241	0.58	0.50	0.00	1.00
R8WGHTSFT	723	0.30	0.46	0.00	1.00
R9WGHTSFT	892	0.30	0.46	0.00	1.00
S2WGHTSFT	121	0.31	0.46	0.00	1.00
S4WGHTSFT	104	0.38	0.49	0.00	1.00
S6WGHTSFT	112	0.49	0.50	0.00	1.00
S8WGHTSFT	402	0.22	0.41	0.00	1.00
S9WGHTSFT	493	0.22	0.41	0.00	1.00
R2WGHTREF	255	0.22	0.42	0.00	1.00
R4WGHTREF	223	0.15	0.36	0.00	1.00
R6WGHTREF	241	0.12	0.33	0.00	1.00
R8WGHTREF	723	0.31	0.46	0.00	1.00
R9WGHTREF	892	0.28	0.45	0.00	1.00
S2WGHTREF	121	0.25	0.43	0.00	1.00
S4WGHTREF	104	0.21	0.41	0.00	1.00
S6WGHTREF	112	0.21	0.41	0.00	1.00
S8WGHTREF	402	0.39	0.49	0.00	1.00
S9WGHTREF	493	0.29	0.45	0.00	1.00
R2WGHTTRYU	255	0.10	0.30	0.00	1.00
R4WGHTTRYU	223	0.12	0.33	0.00	1.00
R6WGHTTRYU	241	0.18	0.39	0.00	1.00
R8WGHTTRYU	723	0.07	0.26	0.00	1.00
R9WGHTTRYU	892	0.07	0.25	0.00	1.00
S2WGHTTRYU	121	0.08	0.28	0.00	1.00
S4WGHTTRYU	104	0.14	0.35	0.00	1.00
S6WGHTTRYU	112	0.19	0.39	0.00	1.00
S8WGHTTRYU	402	0.06	0.25	0.00	1.00
S9WGHTTRYU	493	0.07	0.25	0.00	1.00
R2WGHTEQUP	255	0.29	0.45	0.00	1.00
R4WGHTEQUP	223	0.15	0.36	0.00	1.00
R6WGHTEQUP	241	0.30	0.46	0.00	1.00

R8WGHTEQUP	723	0.19	0.39	0.00	1.00
R9WGHTEQUP	892	0.20	0.40	0.00	1.00
S2WGHTEQUP	121	0.36	0.48	0.00	1.00
S4WGHTEQUP	104	0.21	0.41	0.00	1.00
S6WGHTEQUP	112	0.41	0.49	0.00	1.00
S8WGHTEQUP	402	0.20	0.40	0.00	1.00
S9WGHTEQUP	493	0.23	0.42	0.00	1.00
R2WGHTOTHR	255	0.12	0.32	0.00	1.00
R4WGHTOTHR	223	0.22	0.42	0.00	1.00
R6WGHTOTHR	241	0.09	0.28	0.00	1.00
R8WGHTOTHR	723	0.17	0.37	0.00	1.00
R9WGHTOTHR	892	0.21	0.41	0.00	1.00
S2WGHTOTHR	121	0.10	0.30	0.00	1.00
S4WGHTOTHR	104	0.26	0.44	0.00	1.00
S6WGHTOTHR	112	0.07	0.26	0.00	1.00
S8WGHTOTHR	402	0.17	0.37	0.00	1.00
S9WGHTOTHR	493	0.26	0.44	0.00	1.00

### Categorical Variable Codes

Value-----		R2HGHTSFT	R4HGHTSFT
.c:completed test		7439	8431
.s:skipped		1766	2407
0.no		104	88
1.yes		123	124
Value-----	R6HGHTSFT		
.c:completed test	7878		
.s:skipped	2547		
0.no	45		
1.yes	131		
Value-----		S2HGHTSFT	S4HGHTSFT
.c:completed test		4829	5657
.s:skipped		1256	1656
.u:Unmar		2671	2932
.v:SP NR		583	716
0.no		47	46
1.yes		46	43
Value-----	S6HGHTSFT		
.c:completed test	5246		
.s:skipped	1921		
.u:Unmar	2802		
.v:SP NR	557		
0.no	31		
1.yes	44		
Value-----		R2HGHTREF	R4HGHTREF
.c:completed test		7439	8431
.s:skipped		1766	2407
0.no		183	182
1.yes		44	30
Value-----	R6HGHTREF		
.c:completed test	7878		
.s:skipped	2547		
0.no	159		
1.yes	17		
Value-----		S2HGHTREF	S4HGHTREF
.c:completed test		4829	5657
.s:skipped		1256	1656
.u:Unmar		2671	2932

.v:SP NR		583	716
0.no		70	72
1.yes		23	17
Value-----	S6HGHTREF		
.c:completed test	5246		
.s:skipped	1921		
.u:Unmar	2802		
.v:SP NR	557		
0.no	62		
1.yes	13		
Value-----	R2HGHTTRYU	R4HGHTTRYU	
.c:completed test	7439	8431	
.s:skipped	1766	2407	
0.no	200	180	
1.yes	27	32	
Value-----	R6HGHTTRYU		
.c:completed test	7878		
.s:skipped	2547		
0.no	148		
1.yes	28		
Value-----	S2HGHTTRYU	S4HGHTTRYU	
.c:completed test	4829	5657	
.s:skipped	1256	1656	
.u:Unmar	2671	2932	
.v:SP NR	583	716	
0.no	82	80	
1.yes	11	9	
Value-----	S6HGHTTRYU		
.c:completed test	5246		
.s:skipped	1921		
.u:Unmar	2802		
.v:SP NR	557		
0.no	65		
1.yes	10		
Value-----	R2HGHTEQUP	R4HGHTEQUP	
.c:completed test	7439	8431	
.s:skipped	1766	2407	
0.no	213	194	
1.yes	14	18	
Value-----	R6HGHTEQUP		
.c:completed test	7878		
.s:skipped	2547		
0.no	167		
1.yes	9		
Value-----	S2HGHTEQUP	S4HGHTEQUP	
.c:completed test	4829	5657	
.s:skipped	1256	1656	
.u:Unmar	2671	2932	
.v:SP NR	583	716	
0.no	88	81	
1.yes	5	8	
Value-----	S6HGHTEQUP		
.c:completed test	5246		
.s:skipped	1921		
.u:Unmar	2802		
.v:SP NR	557		
0.no	68		
1.yes	7		
Value-----	R2HGHTOTHR	R4HGHTOTHR	
.c:completed test	7439	8431	
.s:skipped	1766	2407	



0.no		180		171
1.yes		47		41
Value-----	R6HGHTOTHR			
.c:completed test	7878			
.s:skipped	2547			
0.no	157			
1.yes	19			
Value-----	S2HGHTOTHR		S4HGHTOTHR	
.c:completed test	4829		5657	
.s:skipped	1256		1656	
.u:Unmar	2671		2932	
.v:SP NR	583		716	
0.no	74		67	
1.yes	19		22	
Value-----	S6HGHTOTHR			
.c:completed test	5246			
.s:skipped	1921			
.u:Unmar	2802			
.v:SP NR	557			
0.no	64			
1.yes	11			
Value-----	R2WGHTSFT		R4WGHTSFT	
.c:completed test	7411		8420	
.s:skipped	1766		2407	
0.no	158		117	
1.yes	97		106	
Value-----	R6WGHTSFT	R8WGHTSFT	R9WGHTSFT	
.c:completed test	7813	7156	7140	
.e:error		6		
.m:Missing		97	159	
.p:proxy		463	545	
.s:skipped	2547			
0.no	102	504	624	
1.yes	139	219	268	
Value-----	S2WGHTSFT		S4WGHTSFT	
.c:completed test	4801		5642	
.s:skipped	1256		1656	
.u:Unmar	2671		2932	
.v:SP NR	583		716	
0.no	84		64	
1.yes	37		40	
Value-----	S6WGHTSFT	S8WGHTSFT	S9WGHTSFT	
.c:completed test	5209	4812	4718	
.e:error		4		
.m:Missing		95	150	
.p:proxy		375	459	
.s:skipped	1921			
.u:Unmar	2802	2255	2286	
.v:SP NR	557	502	630	
0.no	57	314	385	
1.yes	55	88	108	
Value-----	R2WGHTREF		R4WGHTREF	
.c:completed test	7411		8420	
.s:skipped	1766		2407	
0.no	198		190	
1.yes	57		33	
Value-----	R6WGHTREF	R8WGHTREF	R9WGHTREF	
.c:completed test	7813	7156	7140	
.e:error		6		
.m:Missing		97	159	
.p:proxy		463	545	
.s:skipped	2547			

0.no	211	498	640
1.yes	30	225	252
Value-----	S2WGHTREF		S4WGHTREF
.c:completed test	4801		5642
.s:skipped	1256		1656
.u:Unmar	2671		2932
.v:SP NR	583		716
0.no	91		82
1.yes	30		22
Value-----	S6WGHTREF	S8WGHTREF	S9WGHTREF
.c:completed test	5209	4812	4718
.e:error		4	
.m:Missing		95	150
.p:proxy		375	459
.s:skipped	1921		
.u:Unmar	2802	2255	2286
.v:SP NR	557	502	630
0.no	89	246	352
1.yes	23	156	141
Value-----	R2WGHTTRYU		R4WGHTTRYU
.c:completed test	7411		8420
.s:skipped	1766		2407
0.no	229		196
1.yes	26		27
Value-----	R6WGHTTRYU	R8WGHTTRYU	R9WGHTTRYU
.c:completed test	7813	7156	7140
.e:error		6	
.m:Missing		97	159
.p:proxy		463	545
.s:skipped	2547		
0.no	197	671	832
1.yes	44	52	60
Value-----	S2WGHTTRYU		S4WGHTTRYU
.c:completed test	4801		5642
.s:skipped	1256		1656
.u:Unmar	2671		2932
.v:SP NR	583		716
0.no	111		89
1.yes	10		15
Value-----	S6WGHTTRYU	S8WGHTTRYU	S9WGHTTRYU
.c:completed test	5209	4812	4718
.e:error		4	
.m:Missing		95	150
.p:proxy		375	459
.s:skipped	1921		
.u:Unmar	2802	2255	2286
.v:SP NR	557	502	630
0.no	91	376	460
1.yes	21	26	33
Value-----	R2WGHTEQUP		R4WGHTEQUP
.c:completed test	7411		8420
.s:skipped	1766		2407
0.no	182		190
1.yes	73		33
Value-----	R6WGHTEQUP	R8WGHTEQUP	R9WGHTEQUP
.c:completed test	7813	7156	7140
.e:error		6	
.m:Missing		97	159
.p:proxy		463	545
.s:skipped	2547		
0.no	169	587	717
1.yes	72	136	175

Value-----		S2WGHTEQUP		S4WGHTEQUP
.c:completed test		4801		5642
.s:skipped		1256		1656
.u:Unmar		2671		2932
.v:SP NR		583		716
0.no		78		82
1.yes		43		22
Value-----	S6WGHTEQUP	S8WGHTEQUP	S9WGHTEQUP	
.c:completed test	5209	4812	4718	
.e:error		4		
.m:Missing		95	150	
.p:proxy		375	459	
.s:skipped	1921			
.u:Unmar	2802	2255	2286	
.v:SP NR	557	502	630	
0.no	66	322	379	
1.yes	46	80	114	
Value-----		R2WGHTOTHR		R4WGHTOTHR
.c:completed test		7411		8420
.s:skipped		1766		2407
0.no		225		173
1.yes		30		50
Value-----	R6WGHTOTHR	R8WGHTOTHR	R9WGHTOTHR	
.c:completed test	7813	7156	7140	
.e:error		6		
.m:Missing		97	159	
.p:proxy		463	545	
.s:skipped	2547			
0.no	220	602	705	
1.yes	21	121	187	
Value-----		S2WGHTOTHR		S4WGHTOTHR
.c:completed test		4801		5642
.s:skipped		1256		1656
.u:Unmar		2671		2932
.v:SP NR		583		716
0.no		109		77
1.yes		12		27
Value-----	S6WGHTOTHR	S8WGHTOTHR	S9WGHTOTHR	
.c:completed test	5209	4812	4718	
.e:error		4		
.m:Missing		95	150	
.p:proxy		375	459	
.s:skipped	1921			
.u:Unmar	2802	2255	2286	
.v:SP NR	557	502	630	
0.no	104	335	367	
1.yes	8	67	126	

## General Comments:

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

## How Constructed

RwHGHTSFT, RwHGHTREF, RwHGHTTRYU, RwHGHTEQUP, and RwHGHTOTHR indicate the reasons for the respondent not taking part in the standing height measurement as reported by the interviewer. These variables are not available for Wave 8, as standing height was not measured. The interviewer is asked to report all of the reasons the respondent did not complete the standing height measurement. RwHGHTSFT indicates whether the respondent did not participate in the standing height measurement because they were unsteady on their feet, could not stand upright or were too stooped, were chairbound, confined to bed, unable to remove their shoes, or were ill or in pain. RwHGHTREF indicates whether the respondent did not participate in the standing height measurement because they refused. RwHGHTTRYU indicates whether the respondent did not

participate in the standing height measurement because they attempted but were unable to obtain the measurement. RWHGHTEQUP indicates whether the respondent did not participate in the standing height measurement because the stadiometer was faulty or not available. RWHGHTOTHR indicates whether the respondent did not participate in the standing height measurement because of another reason. RWHGHTSFT, RWHGHTREF, RWHGHTTRYU, RWHGHTEQUP, and RWHGHTOTHR are coded as 0 if the specific reason was not given for the respondent not completing the standing height measurement, and are coded as 1 if the specific reason was given. Special missing .c is assigned if the respondent completed the standing height measurement, even if it was deemed invalid. Special missing .s is assigned if the standing height measurement was skipped because the respondent did not participate in a nurse interview. Don't know, refuse, and other missing responses to RWHGHTSFT, RWHGHTREF, RWHGHTTRYU, RWHGHTEQUP, and RWHGHTOTHR are set to special missing .d, .r, and .m, respectively. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SWHGHTSFT, SWHGHTREF, SWHGHTTRYU, SWHGHTEQUP, and SWHGHTOTHR indicate the reasons for the respondent's current wave's spouse not taking part in the standing height measurement, and their values are taken from the spouse's values to RWHGHTSFT, RWHGHTREF, RWHGHTTRYU, RWHGHTEQUP, and RWHGHTOTHR. These variables are not available for Wave 8, as standing height was not measured. In addition to the special missing codes employed by RWHGHTSFT, RWHGHTREF, RWHGHTTRYU, RWHGHTEQUP, and RWHGHTOTHR, SWHGHTSFT, SWHGHTREF, SWHGHTTRYU, SWHGHTEQUP, and SWHGHTOTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RWWGHTSFT, RWWGHTREF, RWWGHTTRYU, RWWGHTEQUP, and RWWGHTOTHR indicate the reasons for the respondent not taking part in the weight measurement as reported by the interviewer. The interviewer is asked to report all of the reasons the respondent did not complete the weight measurement. RWWGHTSFT indicates whether the respondent did not participate in the weight measurement because they were unsteady on their feet, could not stand upright or were too stooped, were chairbound, confined to bed, unable to remove their shoes, or were ill or in pain. RWWGHTREF indicates whether the respondent did not participate in the weight measurement because they refused. RWWGHTTRYU indicates whether the respondent did not participate in the weight measurement because they attempted but were unable to obtain the measurement. RWWGHTEQUP indicates whether the respondent did not participate in the weight measurement because the scale was not working or the respondent weighed more than 130 kg. RWWGHTOTHR indicates whether the respondent did not participate in the weight measurement because of another reason. RWWGHTSFT, RWWGHTREF, RWWGHTTRYU, RWWGHTEQUP, and RWWGHTOTHR are coded as 0 if the specific reason was not given for the respondent not completing the weight measurement, and are coded as 1 if the specific reason was given. Special missing .c is assigned if the respondent completed the weight measurement, even if it was deemed invalid. In Waves 2, 4, and 6, special missing .s is assigned if the weight measurement was skipped because the respondent did not participate in a nurse interview. In Wave 8, special missing .e is assigned if the weight measurement is missing by error. Don't know, refuse, and other missing responses to RWWGHTSFT, RWWGHTREF, RWWGHTTRYU, RWWGHTEQUP, and RWWGHTOTHR are set to special missing .d, .r, and .m, respectively. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SWWGHTSFT, SWWGHTREF, SWWGHTTRYU, SWWGHTEQUP, and SWWGHTOTHR indicate the reasons for the respondent's current wave's spouse not taking part in the weight measurement, and their values are taken from the spouse's values to RWWGHTSFT, RWWGHTREF, RWWGHTTRYU, RWWGHTEQUP, and RWWGHTOTHR. In addition to the special missing codes employed by RWWGHTSFT, RWWGHTREF, RWWGHTTRYU, RWWGHTEQUP, and RWWGHTOTHR, SWWGHTSFT, SWWGHTREF, SWWGHTTRYU, SWWGHTEQUP, and SWWGHTOTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

The ELSA does not have information regarding the reasons for the sitting height measurement not being completed. Starting in Wave 8, weight measurements were taken as part of the core interview.

## Cross Wave Differences in ELSA

These measurements are performed during the nurse interview in the 2nd, 4th, and 6th Waves of ELSA. In Wave 8, the weight measurement was moved from the nurse interview to the core interview. If the core interview was by proxy in Wave 8 or onward, then the weight was not taken. Sitting height measurements were not obtained starting in Wave 6. The ELSA does not have information regarding the reasons for the sitting height measurement not being completed. In Wave 8, height measurement was no longer taken, so

this wave does not contain information regarding the reasons for the standing height measurement not being completed.

## Differences with the RAND HRS/Harmonized HRS

These variables in the Harmonized HRS are taken from a single question ascertaining the reasons for the respondent not participating in the standing height and weight measurements, whereas these variables in the Harmonized ELSA are taken from 2 separate questions ascertaining the respondent's willingness to participate in the tests and the reasons for not obtaining the standing height and weight measurements.

## ELSA Variables Used

### Wave 2 Nurse:

NOHTBC1	standing height: 1st reason for not obtaining height mea
NOHTBC2	standing height: 2nd reason for not obtaining height mea
NOHTBC3	standing height: 3rd reason for not obtaining height mea
NOHTBC4	standing height: 4th reason for not obtaining height mea
NOWTBC1	weight: 1st reason for not obtaining weight measurement
NOWTBC2	weight: 2nd reason for not obtaining weight measurement
NOWTBC3	weight: 3rd reason for not obtaining weight measurement
NOWTBC4	weight: 4th reason for not obtaining weight measurement
RESPHTS	standing height: whether standing height measurement was
RESPWTS	weight: whether weight measurement was attempted or obta

### Wave 4 Nurse:

NOHTBCBE	standing height: reason for not obtaining measurement -
NOHTBCCH	standing height: reason for not obtaining measurement -
NOHTBCEQ	standing height: reason for not obtaining measurement -
NOHTBCOT	standing height: reason for not obtaining measurement -
NOHTBCPA	standing height: reason for not obtaining measurement -
NOHTBCSH	standing height:reason for not obtaining measurement-res
NOHTBCST	standing height:reason for not obtaining measurement - r
NOHTBCUN	standing height: reason for not obtaining measurement -
NOWTBCBE	weight: reason for not obtaining measurement - responden
NOWTBCCH	weight: reason for not obtaining measurement - responden
NOWTBCHE	weight: reason for not obtaining measurement - resp weig
NOWTBCOT	weight: reason for not obtaining measurement - other rea
NOWTBCPA	weight: reason for not obtaining measurement - responden
NOWTBCSC	weight: reason for not obtaining measurement - scales no
NOWTBCSH	weight: reason for not obtaining measurement - resp is u
NOWTBCST	weight: reason for not obtaining measurement - responden
NOWTBCUN	weight: reason for not obtaining measurement - responden
RESPHTS	standing height: whether standing height measurement was
RESPWTS	weight: whether weight measurement was attempted or obta

### Wave 6 Nurse:

NOHTBCBE	height: reason for not obtaining standing height measure
NOHTBCCH	height: reason for not obtaining standing height measure
NOHTBCEQ	height: reason for not obtaining standing height measure
NOHTBCOT	height: reason for not obtaining standing height measure
NOHTBCPA	height: reason for not obtaining standing height measure
NOHTBCSH	height: reason for not obtaining standing height measure
NOHTBCST	height: reason for not obtaining standing height measure
NOHTBCUN	height: reason for not obtaining standing height measure
NOWTBCBE	weight: reason for not obtaining weight measurement: con
NOWTBCCH	weight: reason for not obtaining weight measurement: res
NOWTBCHE	weight: reason for not obtaining weight measurement: res
NOWTBCOT	weight: reason for not obtaining weight measurement: oth
NOWTBCPA	weight: reason for not obtaining weight measurement: ill
NOWTBCSC	weight: reason for not obtaining weight measurement: sca
NOWTBCSH	weight: reason for not obtaining weight measurement: res
NOWTBCST	weight: reason for not obtaining weight measurement: res
NOWTBCUN	weight: reason for not obtaining weight measurement: res
RESPHTS	height: whether standing height measurement was attempte

RESPWTS	weight: whether weight measurement was attempted/obtaine
Wave 8 Core:	
NOWTBC95	weight: reason for not obtaining weight measurement: oth
NOWTBCBE	weight: reason for not obtaining weight measurement: con
NOWTBCCH	weight: reason for not obtaining weight measurement: res
NOWTBCHE	weight: reason for not obtaining weight measurement: res
NOWTBCPA	weight: reason for not obtaining weight measurement: ill
NOWTBCSC	weight: reason for not obtaining weight measurement: sca
NOWTBCSH	weight: reason for not obtaining weight measurement: res
NOWTBCST	weight: reason for not obtaining weight measurement: res
NOWTBCUN	weight: reason for not obtaining weight measurement: res
RESPWTS	weight: whether weight measurement was attempted/obtaine
Wave 9 Core:	
NOWTBC95	Weight: reason for not obtaining weight measurement: oth
NOWTBCBE	Weight: reason for not obtaining weight measurement: con
NOWTBCCH	Weight: reason for not obtaining weight measurement: res
NOWTBCHE	Weight: reason for not obtaining weight measurement: res
NOWTBCPA	Weight: reason for not obtaining weight measurement: ill
NOWTBCSC	Weight: reason for not obtaining weight measurement: sca
NOWTBCSH	Weight: reason for not obtaining weight measurement: res
NOWTBCST	Weight: reason for not obtaining weight measurement: res
NOWTBCUN	Weight: reason for not obtaining weight measurement: res
RESPWTS	Weight: whether weight measurement was attempted/obtaine

<b>Waist and Hip Measurements</b>
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Wave	Variable	Label	Type
2	R2MWAIST	r2mwaist:w2 r average waist measurement in centimeters	Cont
4	R4MWAIST	r4mwaist:w4 r average waist measurement in centimeters	Cont
6	R6MWAIST	r6mwaist:w6 r average waist measurement in centimeters	Cont
2	S2MWAIST	s2mwaist:w2 s average waist measurement in centimeters	Cont
4	S4MWAIST	s4mwaist:w4 s average waist measurement in centimeters	Cont
6	S6MWAIST	s6mwaist:w6 s average waist measurement in centimeters	Cont
2	R2MHIP	r2mhip:w2 r average hip measurement in centimeters	Cont
4	R4MHIP	r4mhip:w4 r average hip measurement in centimeters	Cont
2	S2MHIP	s2mhip:w2 s average hip measurement in centimeters	Cont
4	S4MHIP	s4mhip:w4 s average hip measurement in centimeters	Cont
2	R2MWHRATIO	r2mwhratio:w2 r waist to hip ratio	Cont
4	R4MWHRATIO	r4mwhratio:w4 r waist to hip ratio	Cont
2	S2MWHRATIO	s2mwhratio:w2 s waist to hip ratio	Cont
4	S4MWHRATIO	s4mwhratio:w4 s waist to hip ratio	Cont
2	R2WATCOMP	r2watcomp:w2 r willing and able to complete waist measuremen	Categ
4	R4WATCOMP	r4watcomp:w4 r willing and able to complete waist measuremen	Categ
6	R6WATCOMP	r6watcomp:w6 r willing and able to complete waist measuremen	Categ
2	S2WATCOMP	s2watcomp:w2 s willing and able to complete waist measuremen	Categ
4	S4WATCOMP	s4watcomp:w4 s willing and able to complete waist measuremen	Categ
6	S6WATCOMP	s6watcomp:w6 s willing and able to complete waist measuremen	Categ
2	R2HIPCOMP	r2hipcomp:w2 r willing and able to complete hip measurement	Categ
4	R4HIPCOMP	r4hipcomp:w4 r willing and able to complete hip measurement	Categ
2	S2HIPCOMP	s2hipcomp:w2 s willing and able to complete hip measurement	Categ
4	S4HIPCOMP	s4hipcomp:w4 s willing and able to complete hip measurement	Categ
2	R2WATPREFF	r2watpreff:w2 r effect of waist measurement problem	Categ
4	R4WATPREFF	r4watpreff:w4 r effect of waist measurement problem	Categ
6	R6WATPREFF	r6watpreff:w6 r effect of waist measurement problem	Categ
2	S2WATPREFF	s2watpreff:w2 s effect of waist measurement problem	Categ
4	S4WATPREFF	s4watpreff:w4 s effect of waist measurement problem	Categ
6	S6WATPREFF	s6watpreff:w6 s effect of waist measurement problem	Categ
2	R2HIPPREFF	r2hippreff:w2 r effect of hip measurement problem	Categ
4	R4HIPPREFF	r4hippreff:w4 r effect of hip measurement problem	Categ
2	S2HIPPREFF	s2hippreff:w2 s effect of hip measurement problem	Categ
4	S4HIPPREFF	s4hippreff:w4 s effect of hip measurement problem	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2MWAIST	7416	95.67	13.17	61.25	171.60
R4MWAIST	8409	96.97	13.65	58.20	174.70
R6MWAIST	7866	96.39	13.94	57.70	155.20
S2MWAIST	4801	96.52	12.97	61.30	150.80

S4MWAIST	5634	97.34	13.54	58.20	174.70
S6MWAIST	5234	96.80	13.70	57.70	155.20
R2MHIP	7405	106.79	9.77	80.30	170.00
R4MHIP	8387	107.48	10.20	78.40	162.20
S2MHIP	4792	107.07	9.34	80.30	170.00
S4MHIP	5617	107.60	9.77	78.40	162.20
R2MWHRATIO	7394	0.89	0.08	0.60	1.26
R4MWHRATIO	8363	0.90	0.09	0.59	1.59
S2MWHRATIO	4787	0.90	0.08	0.60	1.18
S4MWHRATIO	5607	0.90	0.09	0.59	1.59
R2WATCOMP	7666	0.97	0.17	0.00	1.00
R4WATCOMP	8643	0.98	0.15	0.00	1.00
R6WATCOMP	8054	0.98	0.13	0.00	1.00
S2WATCOMP	4922	0.98	0.15	0.00	1.00
S4WATCOMP	5746	0.98	0.13	0.00	1.00
S6WATCOMP	5321	0.99	0.11	0.00	1.00
R2HIPCOMP	7666	0.97	0.17	0.00	1.00
R4HIPCOMP	8643	0.97	0.16	0.00	1.00
S2HIPCOMP	4922	0.98	0.15	0.00	1.00
S4HIPCOMP	5746	0.98	0.14	0.00	1.00
R2WATPREFF	7453	1.02	0.19	1.00	3.00
R4WATPREFF	8469	1.03	0.18	1.00	3.00
R6WATPREFF	7908	1.02	0.15	1.00	3.00
S2WATPREFF	4818	1.02	0.15	1.00	3.00
S4WATPREFF	5663	1.02	0.16	1.00	3.00
S6WATPREFF	5253	1.01	0.14	1.00	3.00
R2HIPPREFF	7440	1.02	0.15	1.00	3.00
R4HIPPREFF	8449	1.03	0.17	1.00	3.00
S2HIPPREFF	4809	1.01	0.13	1.00	3.00
S4HIPPREFF	5651	1.02	0.16	1.00	3.00

### Categorical Variable Codes

Value-----	R2WATCOMP	R4WATCOMP
.s:skipped	1766	2407
0.no	227	199
1.yes	7439	8444
Value-----	R6WATCOMP	
.s:skipped	2547	
0.no	147	
1.yes	7907	
Value-----	S2WATCOMP	S4WATCOMP
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	111	98
1.yes	4811	5648
Value-----	S6WATCOMP	
.s:skipped	1921	



.u:Unmar	2802		
.v:SP NR	557		
0.no	68		
1.yes	5253		
Value-----		R2HIPCOMP	R4HIPCOMP
.s:skipped		1766	2407
0.no		240	219
1.yes		7426	8424
Value-----		S2HIPCOMP	S4HIPCOMP
.s:skipped		1256	1656
.u:Unmar		2671	2932
.v:SP NR		583	716
0.no		119	111
1.yes		4803	5635
Value-----		R2WATPREFF	R4WATPREFF
.d:DK			1
.m:Missing		8	9
.n:not willing/able		205	164
.s:skipped		1766	2407
1.no problem/no effect		7329	8280
2.increase msmt		79	161
3.decrease msmt		45	28
Value-----	R6WATPREFF		
.m:Missing	5		
.n:not willing/able	141		
.s:skipped	2547		
1.no problem/no effect	7794		
2.increase msmt	92		
3.decrease msmt	22		
Value-----		S2WATPREFF	S4WATPREFF
.d:DK			1
.m:Missing		5	6
.n:not willing/able		99	76
.s:skipped		1256	1656
.u:Unmar		2671	2932
.v:SP NR		583	716
1.no problem/no effect		4759	5552
2.increase msmt		41	99
3.decrease msmt		18	12
Value-----	S6WATPREFF		
.m:Missing	3		
.n:not willing/able	65		
.s:skipped	1921		
.u:Unmar	2802		
.v:SP NR	557		
1.no problem/no effect	5200		
2.increase msmt	38		
3.decrease msmt	15		
Value-----		R2HIPPREFF	R4HIPPREFF
.m:Missing		21	30
.n:not willing/able		205	164
.s:skipped		1766	2407
1.no problem/no effect		7354	8243
2.increase msmt		60	191
3.decrease msmt		26	15
Value-----		S2HIPPREFF	S4HIPPREFF
.m:Missing		14	19
.n:not willing/able		99	76
.s:skipped		1256	1656
.u:Unmar		2671	2932
.v:SP NR		583	716
1.no problem/no effect		4766	5523
2.increase msmt		30	119

3.decrease msmt

13

9

## General Comments:

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

## How Constructed

RwMWAIST and RwmHIP indicate the respondent's measured waist and hip circumferences, respectively, in centimeters. RwmWHRATIO is the respondent's waist to hip ratio and it is derived by dividing the respondent's measured waist circumference (cm) by their hip circumference (cm). ELSA takes the waist and hip circumference measurements three times, and the average of the measurements is assigned to RwmWAIST and RwmHIP. Special missing .x is assigned if the measurements were not obtained. Special missing .n is assigned if the respondent did not complete the measurements because they refused or because the measurements were unable to be measured for a reason other than refusal. Special missing .s is assigned if these measurements were skipped because the respondent did not participate in a nurse interview. RwmWAIST, RwmHIP, and RwmWHRATIO are assigned special missing .i if the measurements were reported as being invalid according to the nurse taking the measurements or there was a difference greater than 3 cm between measurements. Don't know, refused, or other missing responses of waist, hip, and waist to hip ratio measurements are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwMWAIST, SwMHIP, and SwMWHRATIO indicate the measured waist circumference, hip circumference, and waist to hip ratio of the current wave's spouse, respectively. Their values are taken from the spouse's values to RwmWAIST, RwmHIP and RwmWHRATIO. In addition to the special missing codes used for RwmWAIST, RwmHIP, and RwmWHRATIO, SwMWAIST, SwMHIP, and SwMWHRATIO employ two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwWATCOMP and RwHIPCOMP indicate whether the respondent was willing and able to complete the waist and hip circumference measurements, respectively. These variables are coded as 1 if the respondent completed the measurement, even if the measurement was considered invalid. These variables are coded as 0 if the respondent refused to participate, the measurement was not attempted, or the measurement was not obtained. Special missing .s is assigned if these measurements were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwWATCOMP and SwHIPCOMP indicate whether the respondent's current wave's spouse was willing and able to complete the waist and hip circumference measurements, and their values are taken from RwWATCOMP and RwHIPCOMP. In addition to the special missing codes employed by RwWATCOMP and RwHIPCOMP, SwWATCOMP and SwHIPCOMP employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwWATPREFF and RwHIPPREFF indicate the effect of the problem experienced during the waist and hip circumference measurements, respectively, according to the nurse taking the measurement. RwWATPREFF and RwHIPPREFF are coded as follows: 1.no problem or no effect, 2.increase measurement, 3.decrease measurement. A value of 1 is assigned if there was either no problem encountered during the measurements, or that a problem was experienced but the measurement was likely to be reliable. A value of 2 is assigned if a problem was experienced that made the measurement slightly unreliable or unreliable, and this is likely to have artificially increased the waist or hip measurement. A value of 3 is assigned if a problem was experienced that made the measurement slightly unreliable or unreliable, and this is likely to have artificially decreased the waist or hip measurement. Special missing .n is assigned if the respondent did not complete this measurement because they refused or because the measurement was not attempted. Special missing .s is assigned if this measurement was skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwWATPREFF and SwHIPPREFE indicate the effect of the problem experienced during the respondent's current wave's spouse's waist and hip circumference measurements, and their values are taken from RwWATPREFF and RWHIPPREFE. In addition to the special missing codes employed by RwWATPREFF and RWHIPPREFE, SwWATPREFF and SwHIPPREFE employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Waist measurements are performed during the nurse interview in the 2nd, 4th, and 6th Waves of ELSA. Hip measurements are performed during the nurse interview in Waves 2 and 4. In Wave 6, hip measurements were not performed, so RwmHIP, SwMHIP, RwmWHRATIO, SwMWHRATIO, RwHIPCOMP, SwHIPCOMP, RWHIPPREFE, and SwHIPPREFE are not available for Wave 6. Both waist and hip measurements were not performed during Wave 8, so none of these variables are available for Wave 8.

## Cross Wave Differences in ELSA

Waist measurements are performed during the nurse interview in the 2nd, 4th, and 6th Waves of ELSA. Hip measurements are performed during the nurse interview in Waves 2 and 4. In Wave 6, only waist measurements were taken; no hip measurements were obtained. Both waist and hip measurements were not obtained during Wave 8.

In Wave 2, waist and hip measurements are deemed invalid if they were rated as unreliable according to the nurse. In Waves 4 and 6, waist and hip measurements are deemed invalid if they were rated as unreliable according to the nurse, or if there was a difference of greater than 3 cm between measurements.

## Differences with the RAND HRS/Harmonized HRS

The HRS does not include a hip measurement, and so RwmHIP, RwHIPCOMP, RWHIPPREFE, and RwmWHRATIO are not available in the Harmonized HRS, as they are in the Harmonized ELSA.

The HRS takes a single waist circumference measurement, which is presented in RwmWAIST in the Harmonized HRS. The ELSA takes three waist circumference measurements and the average of the measurements is presented in RwmWAIST in the Harmonized ELSA. Measurements deemed invalid in the waist circumference measurements are coded as special missing .i in RwmWAIST in the Harmonized ELSA, whereas there is no indication of invalid measurements given for this variables in the Harmonized HRS.

The HRS collects whether the respondent was wearing bulky clothes during the waist measurement, presented in RwbULKY in the Harmonized HRS, and what types of problems were encountered during the waist measurement, but not the effect of those problems on the waist measurement. On the other hand, the ELSA collects what types of problems were encountered during the waist measurement, how unreliable those problems were likely to leave the measurement, and whether those problems caused an increase or decrease in the waist measurement, which is presented in SwWATPREFF in the Harmonized ELSA.

## ELSA Variables Used

Wave 2 Nurse:

HIP1	hip: 1st hip measurement (cm)
HIP2	hip: 2nd hip measurement (cm)
HIP3	hip: 3rd hip measurement (cm)
HIPOKB	(d) whether hip measurements are valid
HIPVAL	(d) valid mean hip (cm)
HJREL	hip: whether problems with hip measurement
PROBHJ	hip: problems likely to increase/decrease hip measurement
PROBWJ	waist: problems likely to increase/decrease waist measurement
WAIST1	waist: 1st waist measurement (cm)
WAIST2	waist: 2nd waist measurement (cm)
WAIST3	waist: 3rd waist measurement (cm)
WHINTRO	waist/hip: consent to waist/hip measurements
WHOKB	(d) whether waist/hip measure is valid
WHVAL	(d) valid mean waist/hip ratio
WJREL	waist: whether problems with waist measurement
WSTOKB	(d) whether waist measurements are valid

WSTVAL (d) valid mean waist (cm)

Wave 4 Nurse:

HIP1 hip: 1st hip measurement (cm)

HIP2 hip: 2nd hip measurement (cm)

HIP3 hip: 3rd hip measurement (cm)

HIPOKB (d) whether hip measurements are valid

HIPVAL (d) valid mean hip (cm)

HJREL hip: whether problems with hip measurement

PROBHJ hip: whether problems likely to increase/decrease hip me

PROBWJ waist: whether problems likely to increase/decrease wais

WAIST1 waist: 1st waist measurement (cm)

WAIST2 waist: 2nd waist measurement (cm)

WAIST3 waist: 3rd waist measurement (cm)

WHOKB (d) whether waist/hip measure is valid

WHVAL (d) valid mean waist/hip ratio

WHWILL waist/hip: consent to waist/hip measurements

WJREL waist: whether problems with waist measurement

WSTOKB (d) whether waist measurements are valid

WSTVAL (d) valid mean waist (cm)

Wave 6 Nurse:

PROBWJ waist: whether problems likely to increase/decrease wais

WAIST1 waist: waist measurement (cm)

WAIST2 waist: waist measurement (cm)

WAIST3 waist: waist measurement (cm)

WHWILL waist: consent to waist measurement

WJREL waist: whether problems with waist measurement

WSTOKB (d) whether waist measurements are valid

WSTVAL (d) valid mean waist (cm)

<b>Waist and Hip Measurements: Reasons Didn't Complete</b>
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Wave	Variable	Label	Type
2	R2WHSFT	r2whsft:w2 r didn't complete waist/hip: unsafe/health reason	Categ
4	R4WHSFT	r4whsft:w4 r didn't complete waist/hip: unsafe/health reason	Categ
2	S2WHSFT	s2whsft:w2 s didn't complete waist/hip: unsafe/health reason	Categ
4	S4WHSFT	s4whsft:w4 s didn't complete waist/hip: unsafe/health reason	Categ
2	R2WHREF	r2whref:w2 r didn't complete waist/hip: refused	Categ
4	R4WHREF	r4whref:w4 r didn't complete waist/hip: refused	Categ
2	S2WHREF	s2whref:w2 s didn't complete waist/hip: refused	Categ
4	S4WHREF	s4whref:w4 s didn't complete waist/hip: refused	Categ
2	R2WHTRYU	r2whtryu:w2 r didn't complete waist/hip: tried but unable	Categ
4	R4WHTRYU	r4whtryu:w4 r didn't complete waist/hip: tried but unable	Categ
2	S2WHTRYU	s2whtryu:w2 s didn't complete waist/hip: tried but unable	Categ
4	S4WHTRYU	s4whtryu:w4 s didn't complete waist/hip: tried but unable	Categ
2	R2WHOTHR	r2whothr:w2 r didn't complete waist/hip: other reason	Categ
4	R4WHOTHR	r4whothr:w4 r didn't complete waist/hip: other reason	Categ
2	S2WHOTHR	s2whothr:w2 s didn't complete waist/hip: other reason	Categ
4	S4WHOTHR	s4whothr:w4 s didn't complete waist/hip: other reason	Categ
6	R6WSTSFT	r6wstsft:w6 r didn't complete waist: unsafe/health reason	Categ
6	S6WSTSFT	s6wstsft:w6 s didn't complete waist: unsafe/health reason	Categ
6	R6WSTREF	r6wstref:w6 r didn't complete waist: refused	Categ
6	S6WSTREF	s6wstref:w6 s didn't complete waist: refused	Categ
6	R6WSTTRYU	r6wsttryu:w6 r didn't complete waist: tried but unable	Categ
6	S6WSTTRYU	s6wsttryu:w6 s didn't complete waist: tried but unable	Categ
6	R6WSTOTHR	r6wstothr:w6 r didn't complete waist: other reason	Categ
6	S6WSTOTHR	s6wstothr:w6 s didn't complete waist: other reason	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2WHSFT	242	0.34	0.48	0.00	1.00
R4WHSFT	222	0.33	0.47	0.00	1.00
S2WHSFT	119	0.28	0.45	0.00	1.00
S4WHSFT	112	0.27	0.44	0.00	1.00
R2WHREF	242	0.34	0.48	0.00	1.00
R4WHREF	222	0.26	0.44	0.00	1.00
S2WHREF	119	0.39	0.49	0.00	1.00
S4WHREF	112	0.28	0.45	0.00	1.00
R2WHTRYU	242	0.15	0.36	0.00	1.00

R4WHTRYU	222	0.26	0.44	0.00	1.00
S2WHTRYU	119	0.17	0.38	0.00	1.00
S4WHTRYU	112	0.32	0.47	0.00	1.00
R2WHOTHR	242	0.30	0.46	0.00	1.00
R4WHOTHR	222	0.37	0.48	0.00	1.00
S2WHOTHR	119	0.31	0.46	0.00	1.00
S4WHOTHR	112	0.38	0.49	0.00	1.00
R6WSTSFT	151	0.42	0.50	0.00	1.00
S6WSTSFT	69	0.28	0.45	0.00	1.00
R6WSTREF	152	0.28	0.45	0.00	1.00
S6WSTREF	70	0.37	0.49	0.00	1.00
R6WSTTRYU	151	0.05	0.22	0.00	1.00
S6WSTTRYU	69	0.06	0.24	0.00	1.00
R6WSTOTHR	151	0.38	0.49	0.00	1.00
S6WSTOTHR	69	0.45	0.50	0.00	1.00

### Categorical Variable Codes

Value-----	R2WHSFT	R4WHSFT
.c:completed test	7424	8421
.s:skipped	1766	2407
0.no	159	149
1.yes	83	73
Value-----	S2WHSFT	S4WHSFT
.c:completed test	4803	5634
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	86	82
1.yes	33	30
Value-----	R2WHREF	R4WHREF
.c:completed test	7424	8421
.s:skipped	1766	2407
0.no	159	164
1.yes	83	58
Value-----	S2WHREF	S4WHREF
.c:completed test	4803	5634
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	72	81
1.yes	47	31
Value-----	R2WHTRYU	R4WHTRYU
.c:completed test	7424	8421
.s:skipped	1766	2407
0.no	205	164
1.yes	37	58
Value-----	S2WHTRYU	S4WHTRYU
.c:completed test	4803	5634
.s:skipped	1256	1656

.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	99	76
1.yes	20	36
Value-----	R2WHOTHR	R4WHOTHR
.c:completed test	7424	8421
.s:skipped	1766	2407
0.no	169	139
1.yes	73	83
Value-----	S2WHOTHR	S4WHOTHR
.c:completed test	4803	5634
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	82	70
1.yes	37	42
Value-----	R6WSTSFT	
.c:completed test	7902	
.r:Refuse	1	
.s:skipped	2547	
0.no	87	
1.yes	64	
Value-----	S6WSTSFT	
.c:completed test	5251	
.r:Refuse	1	
.s:skipped	1921	
.u:Unmar	2802	
.v:SP NR	557	
0.no	50	
1.yes	19	
Value-----	R6WSTREF	
.c:completed test	7902	
.s:skipped	2547	
0.no	110	
1.yes	42	
Value-----	S6WSTREF	
.c:completed test	5251	
.s:skipped	1921	
.u:Unmar	2802	
.v:SP NR	557	
0.no	44	
1.yes	26	
Value-----	R6WSTTRYU	
.c:completed test	7857	
.m:Missing	45	
.r:Refuse	1	
.s:skipped	2547	
0.no	143	
1.yes	8	
Value-----	S6WSTTRYU	
.c:completed test	5229	
.m:Missing	22	
.r:Refuse	1	
.s:skipped	1921	
.u:Unmar	2802	
.v:SP NR	557	
0.no	65	
1.yes	4	
Value-----	R6WSTOTHR	
.c:completed test	7902	
.r:Refuse	1	
.s:skipped	2547	

0.no		93
1.yes		58
Value-----		S6WSTOTHR
.c:completed test		5251
.r:Refuse		1
.s:skipped		1921
.u:Unmar		2802
.v:SP NR		557
0.no		38
1.yes		31

## General Comments:

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

## How Constructed

RwWHSFT, RwWHREF, RwWHTRYU, and RwWHOTHR indicate the reasons for the respondent not completing the waist and hip circumference measurements as reported by the interviewer. These variables are not available for Wave 6 as hip circumference was not measured in Wave 6. The interviewer is asked to report all of the reasons the respondent did not complete the waist and hip measurements. RwWHSFT indicates whether the respondent did not complete the waist and hip circumference measurements because they were too stooped, were chairbound, or confined to bed. RwWHREF indicates whether the respondent did not complete the waist and hip circumference measurements because they refused since they were embarrassed or sensitive about their size, or had no time, were busy, or had already spent enough time on this survey. RwHGHTTRYU indicates whether the respondent did not complete the waist and hip circumference measurements because they attempted but were unable to obtain the measurement. RwWHOTHR indicates whether the respondent did not complete the waist or hip circumference measurements because they did not understand the procedure, or due to another reason that could not be assigned to another category. RwWHSFT, RwWHREF, RwWHTRYU, and RwWHOTHR are coded as 0 if the specific reason was not given for the respondent not completing the waist and hip circumference measurements, and are coded as 1 if the specific reason was given. Special missing .c is assigned if the respondent completed the waist and hip circumference measurements, even if it was deemed invalid. Special missing .s is assigned if the waist and hip circumference measurements were skipped because the respondent did not participate in a nurse interview. Don't know, refuse, and other missing responses to RwWHSFT, RwWHREF, RwWHTRYU, and RwWHOTHR are set to special missing .d, .r, and .m, respectively. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwWHSFT, SwWHREF, SwWHTRYU, and SwWHOTHR indicate the reasons for the respondent's current wave's spouse not completing the waist and hip circumference measurements, and their values are taken from the spouse's values to RwWHSFT, RwWHREF, RwWHTRYU, and RwWHOTHR. These variables are not available for Wave 6 as hip circumference was not measured in Wave 6. In addition to the special missing codes employed by RwWHSFT, RwWHREF, RwWHTRYU, and RwWHOTHR, SwWHSFT, SwWHREF, SwWHTRYU, and SwWHOTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwWSTSFT, RwWSTREF, RwWSTTRYU, and RwWSTOTHR indicate the reasons for the respondent not completing the waist circumference measurements as reported by the interviewer. These measurements are only available for Wave 6, since hip measurements were not taken. The interviewer is asked to report all the reasons the respondent did not complete the waist measurements. RwWSTSFT indicates whether the respondent did not complete the waist and hip circumference measurements because they were too stooped, were chairbound, or confined to bed. RwWSTREF indicates whether the respondent did not complete the waist circumference measurements because they refused since they were embarrassed or sensitive about their size, or had no time, were busy, or had already spent enough time on this survey. RwWSTTRYU indicates whether the respondent did not complete the waist and hip circumference measurements because they attempted but were unable to obtain the measurement. RwWSTOTHR indicates whether the respondent did not complete the waist or hip circumference measurements because they did not understand the procedure, or due to another reason that could not be assigned to another category. RwWSTSFT, RwWSTREF, RwWSTTRYU, and RwWSTOTHR are coded as 0 if the specific reason was not given for the respondent not completing the waist circumference measurements, and are coded as 1 if the specific reason was given. Special missing .c is assigned if the respondent completed the waist circumference measurements, even if it was deemed invalid. Special missing



.s is assigned if the waist circumference measurements were skipped because the respondent did not participate in the nurse interview. Don't know, refuse, and other missing responses to RwwSTSFT, RwwSTREF, RwwSTTRYU, RwwSTOTHR are set to special missing .d, .r, and .m, respectively. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwwSTSFT, SwwSTREF, SwwSTTRYU, and SwwSTOTHR indicate the reasons for the respondent's current wave's spouse not completing the waist circumference measurements, and their values are taken from the spouse's values to RwwSTSFT, RwwSTREF, RwwSTTRYU, and RwwSTOTHR. In addition to the special missing codes employed by RwwSTSFT, RwwSTREF, RwwSTTRYU, and RwwSTOTHR, SwwSTSFT, SwwSTREF, SwwSTTRYU, and SwwSTOTHR employ two additional special missing codes, .u and .v. A special missing .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

None of these variables are available for Wave 8 as waist and hip circumference measurements were not measured for Waves 8 and 9 participants.

## Cross Wave Differences in ELSA

Waist measurements are performed during the nurse interview in the 2nd, 4th, and 6th Waves of ELSA. Hip measurements are performed during the nurse interview in Waves 2 and 4. In Wave 6, only waist measurements were taken, no hip measurements were obtained. Both waist and hip measurements were not obtained during Wave 8.

## Differences with the RAND HRS/Harmonized HRS

There are no comparable variables to the reasons the waist and hip circumference measurements were not obtained in the Harmonized HRS because the HRS only measures waist circumference and the reasons for not participating in the waist circumference measurement, and does not complete a hip circumference measurement.

The variables in the Harmonized HRS describing the reasons for not participating in the waist circumference measurement are taken from a single question ascertaining the reasons for the respondent not participating in the waist circumference measurement, whereas the comparable variables in the Harmonized ELSA are taken from 2 separate questions ascertaining the respondent's willingness to participate in the waist circumference measurements and the reasons for not obtaining the waist circumference measurements, along with codes provided during the measurements indicating that the measurements were attempted but not obtained. Additionally, the Harmonized HRS has a variable indicating problems with equipment (RwwSTEQUP), which cannot be created for the waist measurements in the Harmonized ELSA.

## ELSA Variables Used

### Wave 2 Nurse:

HIP1	hip: 1st hip measurement (cm)
HIP2	hip: 2nd hip measurement (cm)
HIP3	hip: 3rd hip measurement (cm)
WAIST1	waist: 1st waist measurement (cm)
WAIST2	waist: 2nd waist measurement (cm)
WAIST3	waist: 3rd waist measurement (cm)
WHINTRO	waist/hip: consent to waist/hip measurements
WHOKB	(d) whether waist/hip measure is valid
WHPNAB1	waist/hip: 1st reason for not obtaining waist and hip me
WHPNAB2	waist/hip: 2nd reason for not obtaining waist and hip me
WHPNAB3	waist/hip: 3rd reason for not obtaining waist and hip me

### Wave 4 Nurse:

HIP1	hip: 1st hip measurement (cm)
HIP2	hip: 2nd hip measurement (cm)
HIP3	hip: 3rd hip measurement (cm)
WAIST1	waist: 1st waist measurement (cm)
WAIST2	waist: 2nd waist measurement (cm)
WAIST3	waist: 3rd waist measurement (cm)
WHOKB	(d) whether waist/hip measure is valid

WHPNABBE	waist/hip:reason for not obtaining waist/hip measurement
WHPNABBU	waist/hip: reason for not obtaining waist and hip measur
WHPNABCH	waist/hip: reason for not obtaining waist and hip measur
WHPNABEM	waist/hip:reason for not obtaining waist/hip mmnts - res
WHPNABOT	waist/hip: reason for not obtaining waist and hip measur
WHPNABPR	waist/hip:reason for not obtaining waist/hip mmnts - res
WHPNABST	waist/hip: reason for not obtaining waist and hip measur
WHWILL	waist/hip: consent to waist/hip measurements
Wave 6 Nurse:	
WAIST1	waist: waist measurement (cm)
WAIST2	waist: waist measurement (cm)
WAIST3	waist: waist measurement (cm)
WHPNABBE	waist: reason for not obtaining waist measurement: respo
WHPNABBU	waist: reason for not obtaining waist measurement: no ti
WHPNABCH	waist: reason for not obtaining waist measurement: respo
WHPNABEM	waist: reason for not obtaining waist measurement: respo
WHPNABOT	waist: reason for not obtaining waist measurement: other
WHPNABPR	waist: reason for not obtaining waist measurement: respo
WHPNABST	waist: reason for not obtaining waist measurement: respo
WHWILL	waist: consent to waist measurement
WSTOKB	(d) whether waist measurements are valid
WSTVAL	(d) valid mean waist (cm)

<b>Lung Function Measurements (Peak Flow)</b>
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Wave	Variable	Label	Type
2	R2PUFF1	r2puff1:w2 r lung function peak flow 1	Cont
4	R4PUFF1	r4puff1:w4 r lung function peak flow 1	Cont
2	S2PUFF1	s2puff1:w2 s lung function peak flow 1	Cont
4	S4PUFF1	s4puff1:w4 s lung function peak flow 1	Cont
2	R2PUFF2	r2puff2:w2 r lung function peak flow 2	Cont
4	R4PUFF2	r4puff2:w4 r lung function peak flow 2	Cont
2	S2PUFF2	s2puff2:w2 s lung function peak flow 2	Cont
4	S4PUFF2	s4puff2:w4 s lung function peak flow 2	Cont
2	R2PUFF3	r2puff3:w2 r lung function peak flow 3	Cont
4	R4PUFF3	r4puff3:w4 r lung function peak flow 3	Cont
2	S2PUFF3	s2puff3:w2 s lung function peak flow 3	Cont
4	S4PUFF3	s4puff3:w4 s lung function peak flow 3	Cont
2	R2PUFF	r2puff:w2 r maximum lung function peak flow	Cont
4	R4PUFF	r4puff:w4 r maximum lung function peak flow	Cont
2	S2PUFF	s2puff:w2 s maximum lung function peak flow	Cont
4	S4PUFF	s4puff:w4 s maximum lung function peak flow	Cont
2	R2FVC1	r2fvc1:w2 r lung function forced vital capacity 1	Cont
4	R4FVC1	r4fvc1:w4 r lung function forced vital capacity 1	Cont
2	S2FVC1	s2fvc1:w2 s lung function forced vital capacity 1	Cont
4	S4FVC1	s4fvc1:w4 s lung function forced vital capacity 1	Cont
2	R2FVC2	r2fvc2:w2 r lung function forced vital capacity 2	Cont
4	R4FVC2	r4fvc2:w4 r lung function forced vital capacity 2	Cont
2	S2FVC2	s2fvc2:w2 s lung function forced vital capacity 2	Cont
4	S4FVC2	s4fvc2:w4 s lung function forced vital capacity 2	Cont
2	R2FVC3	r2fvc3:w2 r lung function forced vital capacity 3	Cont
4	R4FVC3	r4fvc3:w4 r lung function forced vital capacity 3	Cont
2	S2FVC3	s2fvc3:w2 s lung function forced vital capacity 3	Cont
4	S4FVC3	s4fvc3:w4 s lung function forced vital capacity 3	Cont
2	R2FVC	r2fvc:w2 r maximum lung function forced vital capacity	Cont
4	R4FVC	r4fvc:w4 r maximum lung function forced vital capacity	Cont
2	S2FVC	s2fvc:w2 s maximum lung function forced vital capacity	Cont
4	S4FVC	s4fvc:w4 s maximum lung function forced vital capacity	Cont
6	R6FVC_E	r6fvc_e:w6 r maximum lung function forced vital capacity	Cont
6	S6FVC_E	s6fvc_e:w6 s maximum lung function forced vital capacity	Cont
2	R2FEV1	r2fev1:w2 r lung function forced expiratory volume 1	Cont
4	R4FEV1	r4fev1:w4 r lung function forced expiratory volume 1	Cont
2	S2FEV1	s2fev1:w2 s lung function forced expiratory volume 1	Cont
4	S4FEV1	s4fev1:w4 s lung function forced expiratory volume 1	Cont

2	R2FEV2	r2fev2:w2	r	lung function forced expiratory volume	2	Cont
4	R4FEV2	r4fev2:w4	r	lung function forced expiratory volume	2	Cont
2	S2FEV2	s2fev2:w2	s	lung function forced expiratory volume	2	Cont
4	S4FEV2	s4fev2:w4	s	lung function forced expiratory volume	2	Cont
2	R2FEV3	r2fev3:w2	r	lung function forced expiratory volume	3	Cont
4	R4FEV3	r4fev3:w4	r	lung function forced expiratory volume	3	Cont
2	S2FEV3	s2fev3:w2	s	lung function forced expiratory volume	3	Cont
4	S4FEV3	s4fev3:w4	s	lung function forced expiratory volume	3	Cont
2	R2FEV	r2fev:w2	r	maximum lung function forced expiratory volume		Cont
4	R4FEV	r4fev:w4	r	maximum lung function forced expiratory volume		Cont
2	S2FEV	s2fev:w2	s	maximum lung function forced expiratory volume		Cont
4	S4FEV	s4fev:w4	s	maximum lung function forced expiratory volume		Cont
6	R6FEV_E	r6fev_e:w6	r	maximum lung function forced expiratory volume		Cont
6	S6FEV_E	s6fev_e:w6	s	maximum lung function forced expiratory volume		Cont
2	R2PUFFPOS	r2puffpos:w2	r	position for lung function peak flow test		Categ
4	R4PUFFPOS	r4puffpos:w4	r	position for lung function peak flow test		Categ
2	S2PUFFPOS	s2puffpos:w2	s	position for lung function peak flow test		Categ
4	S4PUFFPOS	s4puffpos:w4	s	position for lung function peak flow test		Categ
2	R2PUFFCOMP	r2puffcomp:w2	r	willing and able to complete lung function p		Categ
4	R4PUFFCOMP	r4puffcomp:w4	r	willing and able to complete lung function p		Categ
2	S2PUFFCOMP	s2puffcomp:w2	s	willing and able to complete lung function p		Categ
4	S4PUFFCOMP	s4puffcomp:w4	s	willing and able to complete lung function p		Categ
2	R2PUFFRINF	r2puffrinf:w2	r	had respiratory infection last 3 weeks		Categ
4	R4PUFFRINF	r4puffrinf:w4	r	had respiratory infection last 3 weeks		Categ
2	S2PUFFRINF	s2puffrinf:w2	s	had respiratory infection last 3 weeks		Categ
4	S4PUFFRINF	s4puffrinf:w4	s	had respiratory infection last 3 weeks		Categ
2	R2PUFFINHL	r2puffinhl:w2	r	used inhaler last 24 hrs		Categ
4	R4PUFFINHL	r4puffinhl:w4	r	used inhaler last 24 hrs		Categ
2	S2PUFFINHL	s2puffinhl:w2	s	used inhaler last 24 hrs		Categ
4	S4PUFFINHL	s4puffinhl:w4	s	used inhaler last 24 hrs		Categ
6	R6PUFFCOMP_E	r6puffcomp_e:w6	r	willing and able to complete lung function		Categ
6	S6PUFFCOMP_E	s6puffcomp_e:w6	s	willing and able to complete lung function		Categ
6	R6PUFFRINF_E	r6puffrinf_e:w6	r	had respiratory infection last 3 weeks		Categ
6	S6PUFFRINF_E	s6puffrinf_e:w6	s	had respiratory infection last 3 weeks		Categ
6	R6PUFFINHL_E	r6puffinhl_e:w6	r	used inhaler last 24 hrs		Categ
6	S6PUFFINHL_E	s6puffinhl_e:w6	s	used inhaler last 24 hrs		Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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R2PUFF1	7074	311.03	141.38	1.00	892.00
R4PUFF1	7842	321.03	143.60	3.00	910.00
S2PUFF1	4617	335.02	141.26	1.00	886.00
S4PUFF1	5275	342.02	141.88	3.00	910.00
R2PUFF2	6975	341.50	145.69	9.00	948.00
R4PUFF2	7718	348.66	148.02	7.00	989.00
S2PUFF2	4565	367.20	143.90	15.00	948.00
S4PUFF2	5208	371.55	145.80	20.00	989.00
R2PUFF3	6837	351.55	147.24	1.00	897.00
R4PUFF3	7566	355.52	150.59	11.00	990.00
S2PUFF3	4493	377.93	144.94	30.00	897.00
S4PUFF3	5132	377.85	147.26	16.00	989.00
R2PUFF	7025	368.17	143.88	13.00	948.00
R4PUFF	7756	375.40	146.90	15.00	990.00
S2PUFF	4597	394.53	141.53	28.00	948.00
S4PUFF	5242	398.43	143.22	24.00	989.00
R2FVC1	7077	2.86	1.06	0.09	8.41
R4FVC1	7846	2.97	1.06	0.08	9.23
S2FVC1	4620	3.03	1.03	0.09	7.82
S4FVC1	5279	3.12	1.04	0.08	8.89
R2FVC2	6977	2.98	1.05	0.05	9.94
R4FVC2	7724	3.08	1.07	0.01	9.58
S2FVC2	4566	3.16	1.02	0.05	9.94
S4FVC2	5212	3.24	1.05	0.08	9.58
R2FVC3	6842	3.04	1.05	0.05	9.29
R4FVC3	7571	3.14	1.07	0.05	9.60
S2FVC3	4497	3.22	1.01	0.29	8.79
S4FVC3	5134	3.29	1.05	0.05	9.60
R2FVC	7025	3.16	1.07	0.36	9.94
R4FVC	7757	3.26	1.08	0.34	9.60
S2FVC	4597	3.33	1.04	0.54	9.94
S4FVC	5242	3.43	1.07	0.43	9.60
R6FVC_E	6875	3.35	0.99	0.47	7.19
S6FVC_E	4651	3.48	0.97	0.47	7.19
R2FEV1	6248	2.26	0.73	1.00	7.59
R4FEV1	7781	2.20	0.85	0.03	9.95
S2FEV1	4205	2.38	0.73	1.00	7.59
S4FEV1	5232	2.33	0.82	0.04	7.57
R2FEV2	6311	2.34	0.75	1.00	5.41
R4FEV2	7658	2.30	0.85	0.05	7.57
S2FEV2	4243	2.46	0.74	1.00	5.41
S4FEV2	5168	2.43	0.83	0.08	7.57

R2FEV3	6279	2.38	0.76	1.00	6.90
R4FEV3	7510	2.34	0.86	0.02	7.76
S2FEV3	4229	2.50	0.76	1.00	6.90
S4FEV3	5091	2.47	0.84	0.05	7.76
R2FEV	7011	2.31	0.85	0.09	7.59
R4FEV	7747	2.40	0.85	0.09	9.95
S2FEV	4590	2.45	0.83	0.09	7.59
S4FEV	5234	2.53	0.83	0.09	7.76
R6FEV_E	6875	2.42	0.76	0.39	5.47
S6FEV_E	4651	2.52	0.75	0.39	5.47
R2PUFFPOS	7094	1.12	0.32	1.00	2.00
R4PUFFPOS	7882	1.14	0.35	1.00	2.00
S2PUFFPOS	4632	1.10	0.30	1.00	2.00
S4PUFFPOS	5298	1.12	0.32	1.00	2.00
R2PUFFCOMP	7497	0.94	0.24	0.00	1.00
R4PUFFCOMP	8463	0.92	0.28	0.00	1.00
S2PUFFCOMP	4826	0.95	0.21	0.00	1.00
S4PUFFCOMP	5646	0.93	0.26	0.00	1.00
R2PUFFRINF	7499	0.09	0.29	0.00	1.00
R4PUFFRINF	8472	0.09	0.28	0.00	1.00
S2PUFFRINF	4827	0.09	0.28	0.00	1.00
S4PUFFRINF	5651	0.09	0.28	0.00	1.00
R2PUFFINHL	7499	0.09	0.29	0.00	1.00
R4PUFFINHL	8472	0.10	0.30	0.00	1.00
S2PUFFINHL	4827	0.09	0.28	0.00	1.00
S4PUFFINHL	5651	0.09	0.29	0.00	1.00
R6PUFFCOMP_E	7611	0.90	0.30	0.00	1.00
S6PUFFCOMP_E	5089	0.91	0.28	0.00	1.00
R6PUFFRINF_E	7006	0.11	0.31	0.00	1.00
S6PUFFRINF_E	4728	0.11	0.31	0.00	1.00
R6PUFFINHL_E	7006	0.10	0.30	0.00	1.00
S6PUFFINHL_E	4728	0.09	0.29	0.00	1.00

### Categorical Variable Codes

Value-----	R2PUFFPOS	R4PUFFPOS
.d:DK	2	
.m:Missing	103	124
.n:not willing/able	300	468
.s:skipped	1933	2576
1.standing	6250	6759
2.sitting	844	1123

Value-----	S2PUFFPOS	S4PUFFPOS
.d:DK	2	
.m:Missing	50	71
.n:not willing/able	143	284
.s:skipped	1351	1749
.u:Unmar	2671	2932
.v:SP NR	583	716
1.standing	4182	4667
2.sitting	450	631
Value-----	R2PUFFCOMP	R4PUFFCOMP
.m:Missing	2	11
.s:skipped	1933	2576
0.no	472	703
1.yes	7025	7760
Value-----	S2PUFFCOMP	S4PUFFCOMP
.m:Missing	1	7
.s:skipped	1351	1749
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	229	402
1.yes	4597	5244
Value-----	R2PUFFRINF	R4PUFFRINF
.m:Missing		2
.s:skipped	1933	2576
0.no	6788	7720
1.yes	711	752
Value-----	S2PUFFRINF	S4PUFFRINF
.m:Missing		2
.s:skipped	1351	1749
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	4405	5164
1.yes	422	487
Value-----	R2PUFFINHL	R4PUFFINHL
.m:Missing		2
.s:skipped	1933	2576
0.no	6795	7609
1.yes	704	863
Value-----	S2PUFFINHL	S4PUFFINHL
.m:Missing		2
.s:skipped	1351	1749
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	4408	5120
1.yes	419	531
Value-----	R6PUFFCOMP_E	
.m:Missing	82	
.s:skipped	2908	
0.no	743	
1.yes	6868	
Value-----	S6PUFFCOMP_E	
.m:Missing	37	
.s:skipped	2116	
.u:Unmar	2802	
.v:SP NR	557	
0.no	442	
1.yes	4647	
Value-----	R6PUFFRINF_E	
.d:DK	1	
.m:Missing	82	
.n:not willing/able	604	
.s:skipped	2908	

0.no	6258
1.yes	748
Value-----	S6PUFFRINF_E
.d:DK	1
.m:Missing	37
.n:not willing/able	360
.s:skipped	2116
.u:Unmar	2802
.v:SP NR	557
0.no	4205
1.yes	523
Value-----	R6PUFFINHL_E
.d:DK	1
.m:Missing	82
.n:not willing/able	604
.s:skipped	2908
0.no	6318
1.yes	688
Value-----	S6PUFFINHL_E
.d:DK	1
.m:Missing	37
.n:not willing/able	360
.s:skipped	2116
.u:Unmar	2802
.v:SP NR	557
0.no	4295
1.yes	433

## General Comments:

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

## How Constructed

In Waves 2 and 4 a different spirometer was used to measure lung function than in Wave 6. Therefore, the results across the waves should be interpreted separately. Lung Function was not measured in Waves 8 or 9.

RwPUFF1, RwPUFF2, and RwPUFF3 indicate the respondents first, second, and third peak flow breathing test results in liters per minute in Waves 2 and 4. RwPUFF indicates the maximum technically satisfactory measurement taken for the peak flow breathing test in Waves 2 and 4 as provided by ELSA. Special missing .x is assigned if the respondent tried to do the test but no reading was obtained. Special missing .n is assigned if the respondent did not complete the measurement because they refused or they were unable to measure lung function for a reason other than refusal. Special missing .s is assigned if the breathing tests were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses for the breathing tests are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwPUFF1, SwPUFF2, SwPUFF3, and SwPUFF indicate the results for the respondent's current wave's spouse's first, second, third, and maximum peak flow breathing tests, and their values are taken from RwPUFF1, RwPUFF2, RwPUFF3, and RwPUFF. In addition to the special missing codes used for RwPUFF1, RwPUFF2, RwPUFF3, and RwPUFF, SwPUFF1, SwPUFF2, SwPUFF3, and SwPUFF employ two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwFVC1, RwFVC2, and RwFVC3 indicate the respondents first, second, and third forced vital capacity breathing test results in liters in Waves 2 and 4. RwFVC indicates the maximum technically satisfactory measurement taken for the forced vital capacity breathing test in Waves 2 and 4 as provided by ELSA. RwFVC\_E indicates the highest technically satisfactory value of forced vital capacity breathing test taken in Wave 6. Special missing .x is assigned if the respondent tried to do the test but no reading was obtained. Special missing .n is assigned if the respondent did not complete the measurement because they



refused or they were unable to measure lung function for a reason other than refusal. Special missing .s is assigned if the breathing tests were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses for the breathing tests are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwFVC1, SwFVC2, SwFVC3, SwFVC and SwFVC\_E indicate the results for the respondent's current wave's spouse's first, second, third, and maximum forced vital capacity breathing tests, and their values are taken from Rwfvc1, Rwfvc2, Rwfvc3, Rwfvc, and Rwfvc\_E. In addition to the special missing codes used for Rwfvc1, Rwfvc2, Rwfvc3, Rwfvc, and Rwfvc\_E, SwFVC1, SwFVC2, SwFVC3, SwFVC, and SwFVC\_E employ two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwFEV1, RwFEV2, and RwFEV3 indicate the respondents first, second, and third forced expiratory volume breathing test results in liters in Waves 2 and 4. RwFEV indicates the maximum technically satisfactory measurement taken for the forced expiratory volume breathing test in Waves 2 and 4 as provided by ELSA. RwFEV\_E indicates the highest technically satisfactory value of forced expiratory volume breathing test taken in Wave 6. Special missing .e is assigned to RwFEV1, RwFEV2, RwFEV3, and RwFEV in Wave 2 if the value was coded as likely to have been an erroneous reading of FEV/FVC. Special missing .x is assigned if the respondent tried to do the test but no reading was obtained. Special missing .n is assigned if the respondent did not complete the measurement because they refused or they were unable to measure lung function for a reason other than refusal. Special missing .s is assigned if the breathing tests were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses for the breathing tests are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwFEV1, SwFEV2, SwFEV3, SwFEV, and SwFEV\_E indicate the results for the respondent's current wave's spouse's first, second, third, and maximum forced expiratory volume breathing tests, and their values are taken from RwfEV1, RwfEV2, RwfEV3, RwfEV, and SwFEV\_E. In addition to the special missing codes used for RwfEV1, RwfEV2, RwfEV3, RwfEV, and RwfEV\_E, SwFEV1, SwFEV2, SwFEV3, SwFEV, and SwFEV\_E employ two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwPUFFPOS indicates the position the respondent was in during the breathing tests and is only available in Waves 2 and 4 of ELSA. RwPUFFPOS is coded as follows: 1.standing, 2.sitting. Special missing .n is assigned if the respondent did not complete the measurement because they refused or they were unable to measure lung function for a reason other than refusal. Special missing .s is assigned if the breathing tests were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses for the breathing test position are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwPUFFPOS indicates the respondent's current wave's spouse's position during the breathing tests, and its values are taken from RwfPUFFPOS. In addition to the special missing codes used for RwfPUFFPOS, SwPUFFPOS employs two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwPUFFCOMP indicates whether the respondent is willing and able to complete the breathing tests in Waves 2 and 4. RwPUFFCOMP\_E indicates whether the respondent is willing and able to complete the breathing tests in Wave 6. RwPUFFCOMP and RwPUFFCOMP\_E are coded as 1 if the respondent agreed to participate in the test and completed at least 1 test satisfactorily. RwPUFFCOMP and RwPUFFCOMP\_E are coded as 0 if the respondent refused to participate in the test, their lung function was unable to be measured for a reason other than refusal, or they did not complete any breathing tests satisfactorily. Special missing .s is assigned if the breathing tests were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. This measure is set to plain missing (.) for respondents who did not respond to the current wave.

SwPUFFCOMP and SwPUFFCOMP\_E indicate whether the respondent's current wave's spouse was willing and able to complete the breathing test, and its values are taken from RwfPUFFCOMP and RwfPUFFCOMP\_E respectively. In addition to the special missing codes used in RwfPUFFCOMP and RwfPUFFCOMP\_E, SwPUFFCOMP and SwPUFFCOMP\_E

employ two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwPUFFRINF indicates whether the respondent had any respiratory infections such as influenza, pneumonia, bronchitis, or a severe cold in the past three weeks in Waves 2 and 4. RwPUFFRINF\_E indicates whether the respondent had any respiratory infections such as influenza, pneumonia, bronchitis, or a severe cold in the past three weeks in Wave 6. RwPUFFINHL indicates whether the respondent used an inhaler, puffer, or any medication for their breathing in the last 24 hours in Waves 2 and 4. RwPUFFINHL\_E indicates whether the respondent used an inhaler, puffer, or any medication for their breathing in the last 24 hours in Wave 6. RwPUFFRINF, RwPUFFRINF\_E, RwPUFFINHL, and RwPUFFINHL\_E are coded as 0.no and 1.yes. Special missing .s is assigned if the breathing tests were skipped because the respondent did not participate in a nurse interview. In Wave 6, special missing .n is assigned to RwPUFFRINF\_E and RwPUFFINHL\_E if the respondent did not complete the measurement because they refused or they were unable to measure lung function for a reason other than refusal. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, .m, respectively. This measure is set to plain missing (.) for respondents who did not respond to the current wave.

SwPUFFRINF, SwPUFFRINF\_E, SwPUFFINHL, and SwPUFFINHL\_E indicate whether the respondent's current wave's spouse had any respiratory infections in the past three weeks, and whether the respondent used an inhaler in the last 24 hours, and their values are taken from RwPUFFRINF, RwPUFFINHL\_E, RwPUFFINHL, and RwPUFFINHL\_E. In addition to the special missing codes used in RwPUFFRINF, RwPUFFINHL\_E, RwPUFFINHL, and SwPUFFRINF, SwPUFFRINF\_E, SwPUFFINHL, and SwPUFFINHL\_E employ two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

These measurements are performed during the nurse interview in Waves 2, 4, and 6 of ELSA. In Wave 6, a different spirometer was used to measure lung function than the spirometer used in Waves 2 and 4. Therefore, the results across the waves should be interpreted separately. Lung function was not measured in Waves 8 or 9.

## Differences with the RAND HRS/Harmonized HRS

The Harmonized HRS includes RwPUFFEFF, indicating the amount of effort the respondent put into the breathing tests, which is not asked in the ELSA. The Harmonized ELSA includes RwFVC1, RwFVC2, RwFVC3, RwFVC, RwFEV1, RwFEV2, RwFEV3, and RwFEV, indicating the results of the respondent's forced vital capacity and forced expiratory volume measurements, which are not measured in the HRS. The Harmonized ELSA includes RwPUFFRINF and RwPUFFINHL, indicating whether the respondent had any respiratory infections or used an inhaler, which are not asked in the HRS.

RwPUFF in the Harmonized HRS is the calculated maximum value of the individual lung function tests, while RwPUFF in the Harmonized ELSA is the highest technically satisfactory value from the individual lung function tests that comes from a variable released by the ELSA team.

## ELSA Variables Used

Wave 2 Nurse:

CHESTIN	lung function: whether respondent had any respiratory in
EYESURG	lung function: whether respondent has had eye surgery in
FEV1	lung function: 1st fev reading (litres)
FEV2	lung function: 2nd fev reading (litres)
FEV3	lung function: 3rd fev reading (litres)
FVC1	lung function: 1st fvc reading (litres)
FVC2	lung function: 2nd fvc reading (litres)
FVC3	lung function: 3rd fvc reading (litres)
HASTRO	lung function: whether admitted to hospital for heart co
HASURG	lung function: whether respondent had abdominal or chest
HTFEV	lung function: highest technically satisfactory fev read
HTFVC	lung function: highest technically satisfactory fvc read

HTPF	lung function: highest technically satisfactory pf readi
INHALER	lung function: whether used an inhaler/puffer in last 24
LFSTAND	lung function: measurements taken while standing or sitt
LFWILL	lung function: willing to have lung function measured
NLSATLF	lung function: whether technique was satisfactory on any
PF1	lung function: 1st pf reading (litres per minute)
PF2	lung function: 2nd pf reading (litres per minute)
PF3	lung function: 3rd pf reading (litres per minute)
Wave 4 Nurse:	
CHESTINF	lung function: whether respondent had a respiratory infec
EYESURG	lung function: whether respondent has had eye surgery in
FEV1	lung function: 1st fev reading (litres)
FEV2	lung function: 2nd fev reading (litres)
FEV3	lung function: 3rd fev reading (litres)
FVC1	lung function: 1st fvc reading (litres)
FVC2	lung function: 2nd fvc reading (litres)
FVC3	lung function: 3rd fvc reading (litres)
HASTRO	lung function: whether admitted to hospital for heart co
HASURG	lung function: whether respondent had abdominal or chest
HTFEV	lung function: highest technically satisfactory fev read
HTFVC	lung function: highest technically satisfactory fvc read
HTPF	lung function: highest technically satisfactory pf readi
INHALER	lung function: whether used an inhaler/puffer in last 24
LFSTAND	lung function: measurements taken while standing or sitt
LFWILL	lung function: willing to have lung function measured
NLSATLF	lung function: whether technique was satisfactory on any
PF1	lung function: 1st pf reading (litres per minute)
PF2	lung function: 2nd pf reading (litres per minute)
PF3	lung function: 3rd pf reading (litres per minute)
Wave 6 Nurse:	
CHESTINF	lung: whether had any respiratory infections such as inf
EYESURG	lung: whether have a detached retina or had eye or ear s
HASTRO	lung: whether been admitted to hospital with a heart com
HASURG	lung: whether had abdominal or chest surgery in the past
HTFEV	lung: highest technically satisfactory value for fev
HTFVC	lung: highest technically satisfactory value for fvc
INHALER	lung: whether used an inhaler, puffer or any medication
LFHRT	lung: whether had a heart attack in the past 3 months
LFTB	lung: whether currently taking any medications for the t
LFWILL	consent to lung function

<b>Lung Function Measurements (Peak Flow): Reasons Didn't Complete</b>
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Wave	Variable	Label	Type
2	R2PUFFSFT	r2puffsft:w2 r didn't complete lung function: unsafe/health	Categ
4	R4PUFFSFT	r4puffsft:w4 r didn't complete lung function: unsafe/health	Categ
2	S2PUFFSFT	s2puffsft:w2 s didn't complete lung function: unsafe/health	Categ
4	S4PUFFSFT	s4puffsft:w4 s didn't complete lung function: unsafe/health	Categ
2	R2PUFFREF	r2puffref:w2 r didn't complete lung function: refused	Categ
4	R4PUFFREF	r4puffref:w4 r didn't complete lung function: refused	Categ
2	S2PUFFREF	s2puffref:w2 s didn't complete lung function: refused	Categ
4	S4PUFFREF	s4puffref:w4 s didn't complete lung function: refused	Categ
2	R2PUFFTRYU	r2pufftryu:w2 r didn't complete lung function: tried but una	Categ
4	R4PUFFTRYU	r4pufftryu:w4 r didn't complete lung function: tried but una	Categ
2	S2PUFFTRYU	s2pufftryu:w2 s didn't complete lung function: tried but una	Categ
4	S4PUFFTRYU	s4pufftryu:w4 s didn't complete lung function: tried but una	Categ
2	R2PUFFEQUP	r2puffequp:w2 r didn't complete lung function: faulty equipm	Categ
4	R4PUFFEQUP	r4puffequp:w4 r didn't complete lung function: faulty equipm	Categ
2	S2PUFFEQUP	s2puffequp:w2 s didn't complete lung function: faulty equipm	Categ
4	S4PUFFEQUP	s4puffequp:w4 s didn't complete lung function: faulty equipm	Categ
2	R2PUFFOTHR	r2puffothr:w2 r didn't complete lung function: other reason	Categ
4	R4PUFFOTHR	r4puffothr:w4 r didn't complete lung function: other reason	Categ
2	S2PUFFOTHR	s2puffothr:w2 s didn't complete lung function: other reason	Categ
4	S4PUFFOTHR	s4puffothr:w4 s didn't complete lung function: other reason	Categ
6	R6PUFFSFT_E	r6puffsft_e:w6 r didn't complete lung function: unsafe/healt	Categ
6	S6PUFFSFT_E	s6puffsft_e:w6 s didn't complete lung function: unsafe/healt	Categ
6	R6PUFFREF_E	r6puffref_e:w6 r didn't complete lung function: refused	Categ
6	S6PUFFREF_E	s6puffref_e:w6 s didn't complete lung function: refused	Categ
6	R6PUFFTRYU_E	r6pufftryu_e:w6 r didn't complete lung function: tried but u	Categ
6	S6PUFFTRYU_E	s6pufftryu_e:w6 s didn't complete lung function: tried but u	Categ
6	R6PUFFOTHR_E	r6puffothr_e:w6 r didn't complete lung function: other reaso	Categ
6	S6PUFFOTHR_E	s6puffothr_e:w6 s didn't complete lung function: other reaso	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2PUFFSFT	1072	0.34	0.47	0.00	1.00
R4PUFFSFT	1414	0.37	0.48	0.00	1.00
S2PUFFSFT	566	0.31	0.46	0.00	1.00
S4PUFFSFT	808	0.37	0.48	0.00	1.00
R2PUFFREF	1072	0.08	0.28	0.00	1.00

R4PUFFREF	1414	0.11	0.31	0.00	1.00
S2PUFFREF	566	0.09	0.29	0.00	1.00
S4PUFFREF	808	0.12	0.32	0.00	1.00
R2PUFFTRYU	1072	0.08	0.27	0.00	1.00
R4PUFFTRYU	1414	0.07	0.26	0.00	1.00
S2PUFFTRYU	566	0.07	0.26	0.00	1.00
S4PUFFTRYU	808	0.07	0.26	0.00	1.00
R2PUFFEQUP	1072	0.13	0.34	0.00	1.00
R4PUFFEQUP	1414	0.17	0.38	0.00	1.00
S2PUFFEQUP	566	0.13	0.34	0.00	1.00
S4PUFFEQUP	808	0.20	0.40	0.00	1.00
R2PUFFOTHR	1072	0.51	0.50	0.00	1.00
R4PUFFOTHR	1414	0.44	0.50	0.00	1.00
S2PUFFOTHR	566	0.53	0.50	0.00	1.00
S4PUFFOTHR	808	0.41	0.49	0.00	1.00
R6PUFFSFT_E	743	0.35	0.48	0.00	1.00
S6PUFFSFT_E	442	0.33	0.47	0.00	1.00
R6PUFFREF_E	743	0.30	0.46	0.00	1.00
S6PUFFREF_E	442	0.32	0.47	0.00	1.00
R6PUFFTRYU_E	743	0.19	0.39	0.00	1.00
S6PUFFTRYU_E	442	0.19	0.39	0.00	1.00
R6PUFFOTHR_E	604	0.58	0.49	0.00	1.00
S6PUFFOTHR_E	360	0.60	0.49	0.00	1.00

**Categorical Variable Codes**

Value-----	R2PUFFSFT	R4PUFFSFT
.c:completed test	6425	7048
.m:Missing	2	12
.s:skipped	1933	2576
0.no	706	887
1.yes	366	527
Value-----	S2PUFFSFT	S4PUFFSFT
.c:completed test	4260	4837
.m:Missing	1	8
.s:skipped	1351	1749
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	389	511
1.yes	177	297
Value-----	R2PUFFREF	R4PUFFREF
.c:completed test	6425	7048
.m:Missing	2	12
.s:skipped	1933	2576
0.no	981	1259
1.yes	91	155
Value-----	S2PUFFREF	S4PUFFREF

.c:completed test	4260	4837
.m:Missing	1	8
.s:skipped	1351	1749
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	515	715
1.yes	51	93
Value-----	R2PUFFTRYU	R4PUFFTRYU
.c:completed test	6425	7048
.m:Missing	2	12
.s:skipped	1933	2576
0.no	988	1313
1.yes	84	101
Value-----	S2PUFFTRYU	S4PUFFTRYU
.c:completed test	4260	4837
.m:Missing	1	8
.s:skipped	1351	1749
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	525	750
1.yes	41	58
Value-----	R2PUFFEQUP	R4PUFFEQUP
.c:completed test	6425	7048
.m:Missing	2	12
.s:skipped	1933	2576
0.no	929	1173
1.yes	143	241
Value-----	S2PUFFEQUP	S4PUFFEQUP
.c:completed test	4260	4837
.m:Missing	1	8
.s:skipped	1351	1749
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	490	646
1.yes	76	162
Value-----	R2PUFFOTHR	R4PUFFOTHR
.c:completed test	6425	7048
.m:Missing	2	12
.s:skipped	1933	2576
0.no	524	791
1.yes	548	623
Value-----	S2PUFFOTHR	S4PUFFOTHR
.c:completed test	4260	4837
.m:Missing	1	8
.s:skipped	1351	1749
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	265	473
1.yes	301	335
Value-----	R6PUFFSFT_E	
.c:completed test	6872	
.m:Missing	80	
.s:skipped	2906	
0.no	484	
1.yes	259	
Value-----	S6PUFFSFT_E	
.c:completed test	4648	
.m:Missing	37	
.s:skipped	2115	
.u:Unmar	2802	
.v:SP NR	557	
0.no	298	
1.yes	144	

Value-----	R6PUFFREF_E
.c:completed test	6872
.m:Missing	80
.s:skipped	2906
0.no	523
1.yes	220

Value-----	S6PUFFREF_E
.c:completed test	4648
.m:Missing	37
.s:skipped	2115
.u:Unmar	2802
.v:SP NR	557
0.no	299
1.yes	143

Value-----	R6PUFFTRYU_E
.c:completed test	6872
.m:Missing	80
.s:skipped	2906
0.no	604
1.yes	139

Value-----	S6PUFFTRYU_E
.c:completed test	4648
.m:Missing	37
.s:skipped	2115
.u:Unmar	2802
.v:SP NR	557
0.no	360
1.yes	82

Value-----	R6PUFFOTHR_E
.c:completed test	6872
.m:Missing	219
.s:skipped	2906
0.no	256
1.yes	348

Value-----	S6PUFFOTHR_E
.c:completed test	4648
.m:Missing	119
.s:skipped	2115
.u:Unmar	2802
.v:SP NR	557
0.no	143
1.yes	217

## General Comments:

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

## How Constructed

In Waves 2 and 4 a different spirometer was used to measure lung function than in Wave 6. Therefore, the results across the waves should be interpreted separately. Lung function was not measured in Waves 8 or 9.

RwPUFFSFT, RwPUFFREF, RwPUFFTRYU, RwPUFFEQUP, and RwPUFFOTHR indicate the reasons for the respondent not completing the peak flow breathing tests as reported by the interviewer in Waves 2 and 4. The interviewer is asked to report all of the reasons the respondent did not complete the breathing tests. RwPUFFSFT indicates whether the respondent did not complete the breathing tests because they experienced breathlessness, a coughing fit, or were unwell. RwPUFFREF indicates whether the respondent did not complete the breathing tests because they refused to participate at all or refused to continue the breathing tests. RwPUFFTRYU indicates whether the respondent did not complete the breathing tests because they were attempted but not obtained. RwPUFFEQUP indicates whether the respondent did not complete the

breathing tests because of equipment failure. RwpUFFOTHr indicates whether the respondent did not complete the breathing tests because the temperature of the house was too cold or too hot, or for another reason. RwpUFFSFT, RwpUFFREF, RwpUFFTRYU, RwpUFFEQUP, and RwpUFFOTHr are coded as 0 if the specific reason was not given for the respondent not completing the breathing tests, and are coded as 1 if the specific reason was given. Special missing .c is assigned if the respondent completed all of the breathing tests. Special missing .s is assigned if the peak flow breathing tests were skipped because the respondent did not participate in a nurse interview. Don't know, refuse, and other missing responses to RwpUFFSFT, RwpUFFREF, RwpUFFTRYU, RwpUFFEQUP, and RwpUFFOTHr are set to special missing .d, .r, and .m, respectively. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwPUFFSFT, SwPUFFREF, SwPUFFTRYU, SwPUFFEQUP, and SwPUFFOTHr indicate the reasons for the respondent's current wave's spouse not completing the peak flow breathing test, and their values are taken from the spouse's values to RwpUFFSFT, RwpUFFREF, RwpUFFTRYU, RwpUFFEQUP, and RwpUFFOTHr. In addition to the special missing codes employed by RwpUFFSFT, RwpUFFREF, RwpUFFTRYU, RwpUFFEQUP, and RwpUFFOTHr, SwPUFFSFT, SwPUFFREF, SwPUFFTRYU, SwPUFFEQUP, and SwPUFFOTHr employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwpUFFSFT\_E, RwpUFFREF\_E, RwpUFFTRYU\_E, and RwpUFFOTHr\_E indicate the reasons for the respondent not completing the peak flow breathing tests as reported by the interviewer in Wave 6. RwpUFFSFT\_E indicates whether the respondent did not complete the breathing tests because they experienced breathlessness, were unwell, or were upset, anxious or nervous. RwpUFFREF\_E indicates whether the respondent did not complete the breathing tests because they refused to participate at all or refused to continue the breathing tests. RwpUFFTRYU\_E indicates whether the respondent did not complete the breathing tests because they were attempted but not obtained. RwpUFFOTHr\_E indicates whether the respondent did not complete the breathing tests for some other reason not specified. RwpUFFSFT\_E, RwpUFFREF\_E, RwpUFFTRYU\_E, and RwpUFFOTHr\_E are coded as 0 if the specific reason was not given for the respondent not completing the breathing tests, and are coded as 1 if the specific reason was given. Special missing .c is assigned if the respondent completed all of the breathing tests. Special missing .s is assigned if the peak flow breathing tests were skipped because the respondent did not participate in a nurse interview. Don't know, refuse, and other missing responses to RwpUFFSFT\_E, RwpUFFREF\_E, RwpUFFTRYU\_E, and RwpUFFOTHr\_E are set to special missing .d, .r, and .m, respectively. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwPUFFSFT\_E, SwPUFFREF\_E, SwPUFFTRYU\_E, and SwPUFFOTHr\_E indicate the reasons for the respondent's current wave's spouse not completing the peak flow breathing test, and their values are taken from the spouse's values to RwpUFFSFT\_E, RwpUFFREF\_E, RwpUFFTRYU\_E, and RwpUFFOTHr\_E. In addition to the special missing codes employed by RwpUFFSFT\_E, RwpUFFREF\_E, RwpUFFTRYU\_E, and RwpUFFOTHr\_E, SwPUFFSFT\_E, SwPUFFREF\_E, SwPUFFTRYU\_E, and SwPUFFOTHr\_E employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current Wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

These measurements are performed during the nurse interview in Waves 2, 4, and 6 of ELSA. In Wave 6, a different spirometer was used to measure lung function than the spirometer used in Waves 2 and 4. Therefore, the results across the waves should be interpreted separately. Lung function was not measured in Waves 8 or 9.

## Differences with the RAND HRS/Harmonized HRS

These variables in the Harmonized HRS are taken from a single question ascertaining the reasons for the respondent not participating in the breathing tests, whereas these variables in the Harmonized ELSA are taken from 4 separate questions ascertaining the respondent's willingness to participate in the tests, the reasons for not obtaining any breathing test measurements, and the reasons for not obtaining all the breathing test measurements.

## ELSA Variables Used



## Wave 2 Nurse:

EYESURG lung function: whether respondent has had eye surgery in  
 HASTRO lung function: whether admitted to hospital for heart co  
 HASURG lung function: whether respondent had abdominal or chest  
 LFWILL lung function: willing to have lung function measured  
 NOATTLF lung function: reason why refused or no measurements obt  
 PF1 lung function: 1st pf reading (litres per minute)  
 PF2 lung function: 2nd pf reading (litres per minute)  
 PF3 lung function: 3rd pf reading (litres per minute)  
 PROBLF1 lung function: 1st reason why not all lung function meas  
 PROBLF2 lung function: 2nd reason why not all lung function meas  
 PROBLF3 lung function: 3rd reason why not all lung function meas  
 YNOLF lung function: reason why no measurements were obtained

## Wave 4 Nurse:

EYESURG lung function: whether respondent has had eye surgery in  
 HASTRO lung function: whether admitted to hospital for heart co  
 HASURG lung function: whether respondent had abdominal or chest  
 LFWILL lung function: willing to have lung function measured  
 NOATTLF lung function: reason why refused or no measurments obta  
 PF1 lung function: 1st pf reading (litres per minute)  
 PF2 lung function: 2nd pf reading (litres per minute)  
 PF3 lung function: 3rd pf reading (litres per minute)  
 PROBLFBR lung function: reason why not all measurements were obta  
 PROBLFCO lung function: reason why not all measurements were obta  
 PROBLFEQ lung function: reason why not all measurements were obta  
 PROBLFOT lung function: reason why not all measurements were obta  
 PROBLFRE lung function: reason why not all measurements were obtai  
 YNOLF lung function: reason why no measurements were obtained

## Wave 6 Nurse:

EYESURG lung: whether have a detached retina or had eye or ear s  
 HASTRO lung: whether been admitted to hospital with a heart com  
 HASURG lung: whether had abdominal or chest surgery in the past  
 HTFEV lung: highest technically satisfactory value for fev  
 LFHRT lung: whether had a heart attack in the past 3 months  
 LFTB lung: whether currently taking any medications for the t  
 LFWILL consent to lung function  
 NOATTLF1 lung: why unable to take reading: respondent is breathle  
 NOATTLF2 lung: why unable to take reading: respondent is unwell  
 NOATTLF3 lung: why unable to take reading: respondent upset/anxio  
 NOATTLF9 lung: why unable to take reading: other reason

<b>Balance Tests</b>
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Wave	Variable	Label	Type
2	R2SBSTAN	r2sbstan:w2 r side-by-side test result(sec)	Cont
4	R4SBSTAN	r4sbstan:w4 r side-by-side test result(sec)	Cont
6	R6SBSTAN	r6sbstan:w6 r side-by-side test result(sec)	Cont
2	S2SBSTAN	s2sbstan:w2 s side-by-side test result(sec)	Cont
4	S4SBSTAN	s4sbstan:w4 s side-by-side test result(sec)	Cont
6	S6SBSTAN	s6sbstan:w6 s side-by-side test result(sec)	Cont
2	R2SEMITAN	r2semitan:w2 r semi-tandem test result(sec)	Cont
4	R4SEMITAN	r4semitan:w4 r semi-tandem test result(sec)	Cont
6	R6SEMITAN	r6semitan:w6 r semi-tandem test result(sec)	Cont
2	S2SEMITAN	s2semitan:w2 s semi-tandem test result(sec)	Cont
4	S4SEMITAN	s4semitan:w4 s semi-tandem test result(sec)	Cont
6	S6SEMITAN	s6semitan:w6 s semi-tandem test result(sec)	Cont
2	R2FULLTAN_E	r2fulltan_e:w2 r full-tandem test result(sec)	Cont
4	R4FULLTAN_E	r4fulltan_e:w4 r full-tandem test result(sec)	Cont
6	R6FULLTAN_E	r6fulltan_e:w6 r full-tandem test result(sec)	Cont
2	S2FULLTAN_E	s2fulltan_e:w2 s full-tandem test result(sec)	Cont
4	S4FULLTAN_E	s4fulltan_e:w4 s full-tandem test result(sec)	Cont
6	S6FULLTAN_E	s6fulltan_e:w6 s full-tandem test result(sec)	Cont
2	R2SBSDONE	r2sbsdne:w2 r completed full 10 seconds side-by-side	Categ
4	R4SBSDONE	r4sbsdne:w4 r completed full 10 seconds side-by-side	Categ
6	R6SBSDONE	r6sbsdne:w6 r completed full 10 seconds side-by-side	Categ
2	S2SBSDONE	s2sbsdne:w2 s completed full 10 seconds side-by-side	Categ
4	S4SBSDONE	s4sbsdne:w4 s completed full 10 seconds side-by-side	Categ
6	S6SBSDONE	s6sbsdne:w6 s completed full 10 seconds side-by-side	Categ
2	R2SEMIIDONE	r2semidone:w2 r completed full 10-second semi-tandem test	Categ
4	R4SEMIIDONE	r4semidone:w4 r completed full 10-second semi-tandem test	Categ
6	R6SEMIIDONE	r6semidone:w6 r completed full 10-second semi-tandem test	Categ
2	S2SEMIIDONE	s2semidone:w2 s completed full 10-second semi-tandem test	Categ
4	S4SEMIIDONE	s4semidone:w4 s completed full 10-second semi-tandem test	Categ
6	S6SEMIIDONE	s6semidone:w6 s completed full 10-second semi-tandem test	Categ
2	R2FULLDONE_E	r2fulldone_e:w2 r completed 10/30 seconds full-tandem	Categ
4	R4FULLDONE_E	r4fulldone_e:w4 r completed 10/30 seconds full-tandem	Categ
6	R6FULLDONE_E	r6fulldone_e:w6 r completed 10/30 seconds full-tandem	Categ
2	S2FULLDONE_E	s2fulldone_e:w2 s completed 10/30 seconds full-tandem	Categ
4	S4FULLDONE_E	s4fulldone_e:w4 s completed 10/30 seconds full-tandem	Categ
6	S6FULLDONE_E	s6fulldone_e:w6 s completed 10/30 seconds full-tandem	Categ
2	R2BALANCE_E	r2balance_e:w2 r balance test summary score	Categ
4	R4BALANCE_E	r4balance_e:w4 r balance test summary score	Categ
6	R6BALANCE_E	r6balance_e:w6 r balance test summary score	Categ
2	S2BALANCE_E	s2balance_e:w2 s balance test summary score	Categ
4	S4BALANCE_E	s4balance_e:w4 s balance test summary score	Categ
6	S6BALANCE_E	s6balance_e:w6 s balance test summary score	Categ
2	R2SBSCOMP	r2sbscomp:w2 r willing and able to complete side-by-side tes	Categ

4	R4SBSCOMP	r4sbscomp:w4	r	willing and able to complete side-by-side	tes	Categ
6	R6SBSCOMP	r6sbscomp:w6	r	willing and able to complete side-by-side	tes	Categ
2	S2SBSCOMP	s2sbscomp:w2	s	willing and able to complete side-by-side	tes	Categ
4	S4SBSCOMP	s4sbscomp:w4	s	willing and able to complete side-by-side	tes	Categ
6	S6SBSCOMP	s6sbscomp:w6	s	willing and able to complete side-by-side	tes	Categ
2	R2SEMICOMP	r2semicomp:w2	r	willing and able to complete semi-tandem	tes	Categ
4	R4SEMICOMP	r4semicomp:w4	r	willing and able to complete semi-tandem	tes	Categ
6	R6SEMICOMP	r6semicomp:w6	r	willing and able to complete semi-tandem	tes	Categ
2	S2SEMICOMP	s2semicomp:w2	s	willing and able to complete semi-tandem	tes	Categ
4	S4SEMICOMP	s4semicomp:w4	s	willing and able to complete semi-tandem	tes	Categ
6	S6SEMICOMP	s6semicomp:w6	s	willing and able to complete semi-tandem	tes	Categ
2	R2FULLCOMP_E	r2fullcomp_e:w2	r	willing and able to complete full tandem	t	Categ
4	R4FULLCOMP_E	r4fullcomp_e:w4	r	willing and able to complete full tandem	t	Categ
6	R6FULLCOMP_E	r6fullcomp_e:w6	r	willing and able to complete full tandem	t	Categ
2	S2FULLCOMP_E	s2fullcomp_e:w2	s	willing and able to complete full tandem	t	Categ
4	S4FULLCOMP_E	s4fullcomp_e:w4	s	willing and able to complete full tandem	t	Categ
6	S6FULLCOMP_E	s6fullcomp_e:w6	s	willing and able to complete full tandem	t	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SBSTAN	7362	9.98	0.36	1.02	10.00
R4SBSTAN	8247	9.98	0.39	0.00	10.00
R6SBSTAN	7660	9.96	0.52	0.00	10.00
S2SBSTAN	4779	9.99	0.24	2.20	10.00
S4SBSTAN	5576	9.98	0.37	0.00	10.00
S6SBSTAN	5136	9.98	0.40	0.00	10.00
R2SEMITAN	7197	9.85	0.98	0.50	10.00
R4SEMITAN	8079	9.86	0.92	0.30	10.00
R6SEMITAN	7489	9.88	0.88	0.00	10.00
S2SEMITAN	4721	9.90	0.76	0.95	10.00
S4SEMITAN	5507	9.91	0.74	0.32	10.00
S6SEMITAN	5066	9.93	0.67	0.00	10.00
R2FULLTAN_E	6835	21.69	10.39	0.23	30.00
R4FULLTAN_E	7681	22.38	10.18	0.00	30.00
R6FULLTAN_E	7163	21.48	10.44	0.00	30.00
S2FULLTAN_E	4561	23.02	9.88	0.70	30.00
S4FULLTAN_E	5328	23.48	9.69	0.00	30.00
S6FULLTAN_E	4907	22.55	10.03	0.00	30.00
R2SBSDONE	7362	0.99	0.07	0.00	1.00
R4SBSDONE	8247	0.99	0.07	0.00	1.00
R6SBSDONE	7660	0.99	0.08	0.00	1.00
S2SBSDONE	4779	1.00	0.05	0.00	1.00
S4SBSDONE	5576	1.00	0.06	0.00	1.00
S6SBSDONE	5136	1.00	0.06	0.00	1.00
R2SEMIDONE	7197	0.97	0.17	0.00	1.00
R4SEMIDONE	8079	0.97	0.16	0.00	1.00
R6SEMIDONE	7489	0.98	0.15	0.00	1.00

S2SEMIDONE	4721	0.98	0.14	0.00	1.00
S4SEMIDONE	5507	0.98	0.13	0.00	1.00
S6SEMIDONE	5066	0.98	0.13	0.00	1.00
R2FULLDONE_E	6835	0.83	0.38	0.00	1.00
R4FULLDONE_E	7681	0.85	0.36	0.00	1.00
R6FULLDONE_E	7163	0.85	0.36	0.00	1.00
S2FULLDONE_E	4561	0.86	0.35	0.00	1.00
S4FULLDONE_E	5328	0.87	0.34	0.00	1.00
S6FULLDONE_E	4907	0.88	0.33	0.00	1.00
R2BALANCE_E	7362	3.71	0.58	1.00	4.00
R4BALANCE_E	8247	3.74	0.55	1.00	4.00
R6BALANCE_E	7660	3.74	0.55	1.00	4.00
S2BALANCE_E	4779	3.78	0.50	1.00	4.00
S4BALANCE_E	5576	3.80	0.49	1.00	4.00
S6BALANCE_E	5136	3.81	0.48	1.00	4.00
R2SBSCOMP	7666	0.96	0.20	0.00	1.00
R4SBSCOMP	8641	0.95	0.21	0.00	1.00
R6SBSCOMP	8044	0.95	0.21	0.00	1.00
S2SBSCOMP	4922	0.97	0.17	0.00	1.00
S4SBSCOMP	5744	0.97	0.17	0.00	1.00
S6SBSCOMP	5313	0.97	0.18	0.00	1.00
R2SEMICOMP	7666	0.94	0.24	0.00	1.00
R4SEMICOMP	8641	0.93	0.25	0.00	1.00
R6SEMICOMP	8044	0.93	0.25	0.00	1.00
S2SEMICOMP	4922	0.96	0.20	0.00	1.00
S4SEMICOMP	5744	0.96	0.20	0.00	1.00
S6SEMICOMP	5313	0.95	0.21	0.00	1.00
R2FULLCOMP_E	7666	0.89	0.31	0.00	1.00
R4FULLCOMP_E	8641	0.89	0.31	0.00	1.00
R6FULLCOMP_E	8044	0.89	0.31	0.00	1.00
S2FULLCOMP_E	4922	0.93	0.26	0.00	1.00
S4FULLCOMP_E	5744	0.93	0.26	0.00	1.00
S6FULLCOMP_E	5313	0.92	0.27	0.00	1.00

### Categorical Variable Codes

Value-----	R2SBSDONE	R4SBSDONE
.d:DK		2
.n:not willing/able	304	394
.s:skipped	1766	2407
0.no	41	42
1.yes	7321	8205

Value-----	R6SBSDONE
.d:DK	4
.m:Missing	1
.n:not willing/able	384
.r:Refuse	5
.s:skipped	2547
0.no	44
1.yes	7616

Value-----	S2SBSDONE	S4SBSDONE
.d:DK		2

.n:not willing/able	143	168
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	12	21
1.yes	4767	5555

Value-----	S6SBSDONE
.d:DK	3
.m:Missing	1
.n:not willing/able	177
.r:Refuse	4
.s:skipped	1921
.u:Unmar	2802
.v:SP NR	557
0.no	20
1.yes	5116

Value-----	R2SEMIIDONE	R4SEMIIDONE
.d:DK		2
.n:not willing/able	428	520
.s:skipped	1766	2407
.t:not tested	41	42
0.no	217	215
1.yes	6980	7864

Value-----	R6SEMIIDONE
.d:DK	4
.m:Missing	1
.n:not willing/able	511
.r:Refuse	5
.s:skipped	2547
.t:not tested	44
0.no	184
1.yes	7305

Value-----	S2SEMIIDONE	S4SEMIIDONE
.d:DK		2
.n:not willing/able	189	216
.s:skipped	1256	1656
.t:not tested	12	21
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	97	96
1.yes	4624	5411

Value-----	S6SEMIIDONE
.d:DK	3
.m:Missing	1
.n:not willing/able	227
.r:Refuse	4
.s:skipped	1921
.t:not tested	20
.u:Unmar	2802
.v:SP NR	557
0.no	85
1.yes	4981

Value-----	R2FULLDONE_E	R4FULLDONE_E
.d:DK		2
.n:not willing/able	573	703
.s:skipped	1766	2407
.t:not tested	258	257
0.no	1181	1189
1.yes	5654	6492

Value-----	R6FULLDONE_E
.d:DK	4
.m:Missing	1
.n:not willing/able	653
.r:Refuse	5

.s:skipped	2547		
.t:not tested	228		
0.no	1065		
1.yes	6098		
Value-----	S2FULLDONE_E	S4FULLDONE_E	
.d:DK		2	
.n:not willing/able	252	299	
.s:skipped	1256	1656	
.t:not tested	109	117	
.u:Unmar	2671	2932	
.v:SP NR	583	716	
0.no	654	692	
1.yes	3907	4636	
Value-----	S6FULLDONE_E		
.d:DK	3		
.m:Missing	1		
.n:not willing/able	301		
.r:Refuse	4		
.s:skipped	1921		
.t:not tested	105		
.u:Unmar	2802		
.v:SP NR	557		
0.no	594		
1.yes	4313		
Value-----	R2BALANCE_E	R4BALANCE_E	
.d:DK		2	
.n:not willing/able	304	394	
.s:skipped	1766	2407	
1.no semi/no s-b-s	41	42	
2.no semi/yes s-b-s	341	341	
3.yes semi/no full	1326	1372	
4.yes semi/yes full	5654	6492	
Value-----	R6BALANCE_E		
.d:DK	4		
.m:Missing	1		
.n:not willing/able	384		
.r:Refuse	5		
.s:skipped	2547		
1.no semi/no s-b-s	44		
2.no semi/yes s-b-s	311		
3.yes semi/no full	1207		
4.yes semi/yes full	6098		
Value-----	S2BALANCE_E	S4BALANCE_E	
.d:DK		2	
.n:not willing/able	143	168	
.s:skipped	1256	1656	
.u:Unmar	2671	2932	
.v:SP NR	583	716	
1.no semi/no s-b-s	12	21	
2.no semi/yes s-b-s	143	144	
3.yes semi/no full	717	775	
4.yes semi/yes full	3907	4636	
Value-----	S6BALANCE_E		
.d:DK	3		
.m:Missing	1		
.n:not willing/able	177		
.r:Refuse	4		
.s:skipped	1921		
.u:Unmar	2802		
.v:SP NR	557		
1.no semi/no s-b-s	20		
2.no semi/yes s-b-s	135		
3.yes semi/no full	668		
4.yes semi/yes full	4313		

Value-----		R2SBSCOMP	R4SBSCOMP
.d:DK			2
.s:skipped		1766	2407
0.no		304	394
1.yes		7362	8247
Value-----	R6SBSCOMP		
.d:DK	4		
.m:Missing	1		
.r:Refuse	5		
.s:skipped	2547		
0.no	384		
1.yes	7660		
Value-----		S2SBSCOMP	S4SBSCOMP
.d:DK			2
.s:skipped		1256	1656
.u:Unmar		2671	2932
.v:SP NR		583	716
0.no		143	168
1.yes		4779	5576
Value-----	S6SBSCOMP		
.d:DK	3		
.m:Missing	1		
.r:Refuse	4		
.s:skipped	1921		
.u:Unmar	2802		
.v:SP NR	557		
0.no	177		
1.yes	5136		
Value-----		R2SEMICOMP	R4SEMICOMP
.d:DK			2
.s:skipped		1766	2407
0.no		469	562
1.yes		7197	8079
Value-----	R6SEMICOMP		
.d:DK	4		
.m:Missing	1		
.r:Refuse	5		
.s:skipped	2547		
0.no	555		
1.yes	7489		
Value-----		S2SEMICOMP	S4SEMICOMP
.d:DK			2
.s:skipped		1256	1656
.u:Unmar		2671	2932
.v:SP NR		583	716
0.no		201	237
1.yes		4721	5507
Value-----	S6SEMICOMP		
.d:DK	3		
.m:Missing	1		
.r:Refuse	4		
.s:skipped	1921		
.u:Unmar	2802		
.v:SP NR	557		
0.no	247		
1.yes	5066		
Value-----		R2FULLCOMP_E	R4FULLCOMP_E
.d:DK			2
.s:skipped		1766	2407
0.no		831	960
1.yes		6835	7681
Value-----	R6FULLCOMP_E		

.d:DK	4		
.m:Missing	1		
.r:Refuse	5		
.s:skipped	2547		
0.no	881		
1.yes	7163		
Value-----	S2FULLCOMP_E	S4FULLCOMP_E	
.d:DK		2	
.s:skipped	1256	1656	
.u:Unmar	2671	2932	
.v:SP NR	583	716	
0.no	361	416	
1.yes	4561	5328	
Value-----	S6FULLCOMP_E		
.d:DK	3		
.m:Missing	1		
.r:Refuse	4		
.s:skipped	1921		
.u:Unmar	2802		
.v:SP NR	557		
0.no	406		
1.yes	4907		

### General Comments:

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

### How Constructed

RwSBSTAN, RwSEMITAN, and RwfULLTAN\_E indicate the amount of time the respondent held certain positions meant to test their balance. RwSBSTAN indicates the amount of time the respondent held the side-by-side stand in seconds to two decimal places, up to 10 seconds. The respondent was instructed to stand with feet together, side-by-side, for about 10 seconds. The respondent was allowed to use their arms, bend their knees, or move their body to maintain balance, but not to move their feet. RwSEMITAN indicates the amount of time the respondent held the semi-tandem balance test in seconds to two decimal places, up to 10 seconds. The respondent was instructed to stand with the side of the heel of one foot touching the big toe of the other foot for 10 seconds. The respondent was allowed to put either foot in front and may use their arms, bend their knees, or use their body to maintain balance, but not to move their feet. Only respondents who maintained the side-by-side position for the full 10 seconds performed the semi-tandem test. RwfULLTAN\_E indicates the amount of time the respondent held the full-tandem test in seconds to two decimal places, up to 30 seconds for respondents aged less than 70 and up to 10 seconds for respondents aged 70 and older. The respondent was instructed to stand with the heel of one foot in front of and touching the toes of the other foot for 10 seconds or 30 seconds, depending on age. The respondent was allowed to put either foot in front and may use their arms, bend their knees, or move their body to maintain balance, but not to move their feet. Only respondents who maintained the semi-tandem position for the full 10 seconds performed the full-tandem test. Special missing .t is assigned to RwSEMITAN and RwfULLTAN\_E if the respondent was not asked to complete the test due to their performance on the side-by-side or semi-tandem balance tests. Special missing .n is assigned if the respondent did not feel the balance test would be safe or did not attempt to complete the balance tests. Special missing .s is assigned if the balance tests were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses for the balance tests are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwSBSTAN, SwSEMITAN, and SwFULLTAN\_E indicate the length of time the respondent's current wave's spouse held the side-by-side, semi-tandem, and full-tandem balance tests, respectively, and their values are taken from RwSBSTAN, RwSEMITAN, and RwfULLTAN\_E. In addition to the special missing codes employed by RwSBSTAN, RwSEMITAN, and RwfULLTAN\_E, SwSBSTAN, SwSEMITAN, and SwFULLTAN\_E employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.



RwSBSDONE, RwSEMIDONE, and RwfULLDONE\_E indicate whether the respondent maintained balance for the full expected time period of the test without stepping out of place or grabbing hold of anything. RwSBSDONE indicates whether the respondent maintained balance for the full 10 seconds of the side-by-side test without stepping out of place or grabbing hold of anything. RwSEMIDONE indicates whether the respondent maintained balance for the full 10 seconds during the semi-tandem balance test. RwfULLDONE\_E indicates whether the respondent maintained balance for the full 10/30 seconds during the full-tandem balance test. RwSBSDONE and RwSEMIDONE are coded as 1 if the respondent maintained balance for the full 10 seconds of the test, while a 0 indicates the respondent's time fell below 10 seconds. RwfULLDONE\_E is coded as 1 if the respondent maintained balance for the full 10 seconds if they are aged 70 or over, or the full 30 seconds if they are under 70, while a 0 indicates the respondent's time fell below the time expected for their age group. Only respondents who were able to maintain balance for 10 seconds in the side-by-side test were asked to perform the semi-tandem test, and only respondents who were able to maintain balance for 10 seconds in the semi-tandem test were asked to perform the full-tandem test. Special missing .t is assigned to RwSEMIDONE and RwfULLDONE\_E if the respondent was not asked to complete the test due to their performance on the side-by-side or semi-tandem balance tests. Special missing .n is assigned if the respondent did not feel the balance test would be safe or did not attempt to complete the balance tests. Special missing .s is assigned if the balance tests were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses for the balance tests are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwSBSDONE, SwSEMIDONE, and SwfULLDONE\_E indicate whether the respondent's current wave's spouse maintained balance for the full expected time period of the side-by-side, semi-tandem, and full-tandem balance tests, respectively, and their values are taken from RwSBSDONE, RwSEMIDONE, and RwfULLDONE\_E. In addition to the special missing codes employed by RwSBSDONE, RwSEMIDONE, and RwfULLDONE\_E, SwSBSDONE, SwSEMIDONE, and SwfULLDONE\_E employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwBALANCE indicates the assigned highest balance level of the respondent. RwBALANCE is coded as 1 if the respondent did not complete the side-by-side test to the maximum time. RwBALANCE is coded as 2 if the respondent did complete the side-by-side test to the maximum time, but did not complete the semi-tandem test to the maximum time or at all. RwBALANCE is coded as 3 if the respondent completed the side-by-side and semi-tandem tests to the maximum time, but did not complete the full-tandem test to the expected time or at all. RwBALANCE is coded as 4 if the respondent completed the side-by-side, semi-tandem, and full-tandem tests to the maximum expected time. Special missing .n is assigned if the respondent did not feel the side-by-side balance test would be safe or did not attempt to complete the side-by-side balance test. Special missing .s is assigned if the balance tests were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses for the balance tests are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwBALANCE indicates the assigned highest balance level of the respondent's current wave's spouse, and its values are taken from RwBALANCE. In addition to the special missing codes employed by RwBALANCE, SwBALANCE employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwSBSCOMP, RwSEMICOMP, and RwfULLCOMP\_E indicate whether the respondent was willing and able to complete the balance tests. RwSBSCOMP indicates whether the respondent was willing and able to complete the semi-tandem balance tests. RwSEMICOMP indicates whether the respondent was willing and able to complete the semi-tandem balance test. RwfULLCOMP\_E indicates whether the respondent was willing and able to complete the full-tandem balance test. RwSBSCOMP, RwSEMICOMP, and RwfULLCOMP\_E are coded as 1 if the respondent felt the test would be safe and attempted to complete the test. RwSBSCOMP, RwSEMICOMP, and RwfULLCOMP\_E are coded as 0 if the respondent did not feel that it would be safe to complete the test, did not attempt to complete it, or did not complete the full expected time on the previous balance tests for RwSEMICOMP and RwfULLCOMP\_E. Special missing .s is assigned if the balance tests were skipped because the respondent did not participate in a nurse interview. Don't know, refused, or other missing responses for the balance tests are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwSBSCOMP, SwSEMICOMP, and SwfULLCOMP\_E indicate whether the respondent's current wave's spouse was willing and able to complete the side-by-side, semi-tandem, and full-tandem balance tests, respectively,

and their values are taken from RwsBSCOMP, RwsSEMICOMP, and RwsFULLCOMP\_E. In addition to the special missing codes employed by RwsBSCOMP, RwsSEMICOMP, and RwsFULLCOMP\_E, SwBSCOMP, SwSEMICOMP, and SwFULLCOMP\_E employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

These variables are not available for Wave 8, as balance tests were not conducted.

## Cross Wave Differences in ELSA

These measurements are performed during the nurse interview in the 2nd, 4th, and 6th Waves of ELSA. These measurements were not obtained in Waves 8 or 9.

## Differences with the RAND HRS/Harmonized HRS

In the HRS, the respondents are first asked to complete the semi-tandem balance test, and then asked to complete the side-by-side test if they fail and to complete the full-tandem test if they pass. However in the ELSA, the respondents are first asked to complete the side-by-side balance test, then the semi-tandem test if they pass, and then the full-tandem test if they pass the semi-tandem test. As such, special missing .t is used in the variables for the side-by-side and full-tandem balance tests in the Harmonized HRS, and is used in the variables for the semi-tandem and full-tandem balance tests in the Harmonized ELSA.

In the HRS, respondents aged 65 and under were expected to hold the full-tandem position for 60 seconds and respondents over the age of 65 were expected to hold the full-tandem position for 30 seconds. However in the ELSA, respondents under age 70 were expected to hold the full-tandem position for 30 seconds, and respondents aged 70 and older were expected to hold the full-tandem position for 10 seconds. Because of the difference in age groups and their respective timing expectations, the variables indicating performance on the full-tandem test end with "\_E", as is RwsBALANCE\_E.

In the Harmonized HRS, the harmonized variables for side-by-side, semi-tandem, and full-tandem tests include a special missing .x if the respondent tried but was unable to complete the test, which is not available in the variables in the Harmonized ELSA.

## ELSA Variables Used

### Wave 2 Nurse:

MMFTRE2	(d) outcome of full tandem stand according to age
MMFTSC	full tandem stand: whether respondent feels it is safe t
MMFTTI	full tandem stand: time position held (seconds)
MMSSRE	side-by-side stand: outcome
MMSSSC	side-by-side stand: whether respondent feels it is safe
MMSSTI	side-by-side stand: time position held (seconds)
MMSTRE	semi-tandem stand: outcome
MMSTSC	semi-tandem stand: whether respondent feels it is safe t
MMSTTI	semi-tandem stand: time position held (seconds)

### Wave 4 Nurse:

MMFTRE2	full tandem stand: outcome
MMFTSC	full tandem stand: whether respondent feels it is safe t
MMFTTI	full tandem stand: time position held (seconds)
MMSSRE	side-by-side stand: outcome
MMSSSC	side-by-side stand: whether respondent feels it is safe
MMSSTI	side-by-side stand: time position held (seconds)
MMSTRE	semi-tandem stand: outcome
MMSTSC	semi-tandem stand: whether respondent feels it is safe t
MMSTTI	semi-tandem stand: time position held (seconds)

### Wave 6 Nurse:

MMFTRE2	(d) outcome of full tandem stand according to age
MMFTSC	balance: whether respondent feels it is safe to attempt
MMFTTI	balance: time full tandem stand held (seconds)
MMSSRE	balance: outcome of side-by-side stand
MMSSSC	balance: whether respondent feels it is safe to attempt

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MMSSTI	balance: time side-by-side stand held (seconds)
MMSTRE	balance: outcome of semi-tandem stand
MMSTSC	balance: whether respondent feels it is safe to attempt
MMSTTI	balance: time semi-tandem stand held (seconds)

<b>Balance Tests: Reasons Didn't Complete</b>
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Wave	Variable	Label	Type
2	R2BALSFT	r2balsft:w2 r didn't complete balance: unsafe/health reason	Categ
4	R4BALSFT	r4balsft:w4 r didn't complete balance: unsafe/health reason	Categ
6	R6BALSFT	r6balsft:w6 r didn't complete balance: unsafe/health reason	Categ
2	S2BALSFT	s2balsft:w2 s didn't complete balance: unsafe/health reason	Categ
4	S4BALSFT	s4balsft:w4 s didn't complete balance: unsafe/health reason	Categ
6	S6BALSFT	s6balsft:w6 s didn't complete balance: unsafe/health reason	Categ
2	R2BALREF	r2balref:w2 r didn't complete balance: refused	Categ
4	R4BALREF	r4balref:w4 r didn't complete balance: refused	Categ
6	R6BALREF	r6balref:w6 r didn't complete balance: refused	Categ
2	S2BALREF	s2balref:w2 s didn't complete balance: refused	Categ
4	S4BALREF	s4balref:w4 s didn't complete balance: refused	Categ
6	S6BALREF	s6balref:w6 s didn't complete balance: refused	Categ
2	R2BALTRYU	r2baltryu:w2 r didn't complete balance: tried but unable	Categ
4	R4BALTRYU	r4baltryu:w4 r didn't complete balance: tried but unable	Categ
6	R6BALTRYU	r6baltryu:w6 r didn't complete balance: tried but unable	Categ
2	S2BALTRYU	s2baltryu:w2 s didn't complete balance: tried but unable	Categ
4	S4BALTRYU	s4baltryu:w4 s didn't complete balance: tried but unable	Categ
6	S6BALTRYU	s6baltryu:w6 s didn't complete balance: tried but unable	Categ
2	R2BALOTHR	r2balothr:w2 r didn't complete balance: other reason	Categ
4	R4BALOTHR	r4balothr:w4 r didn't complete balance: other reason	Categ
6	R6BALOTHR	r6balothr:w6 r didn't complete balance: other reason	Categ
2	S2BALOTHR	s2balothr:w2 s didn't complete balance: other reason	Categ
4	S4BALOTHR	s4balothr:w4 s didn't complete balance: other reason	Categ
6	S6BALOTHR	s6balothr:w6 s didn't complete balance: other reason	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2BALSFT	573	0.61	0.49	0.00	1.00
R4BALSFT	703	0.63	0.48	0.00	1.00
R6BALSFT	653	0.73	0.44	0.00	1.00
S2BALSFT	252	0.63	0.48	0.00	1.00
S4BALSFT	299	0.64	0.48	0.00	1.00
S6BALSFT	301	0.71	0.46	0.00	1.00
R2BALREF	573	0.04	0.20	0.00	1.00
R4BALREF	703	0.03	0.18	0.00	1.00
R6BALREF	653	0.08	0.27	0.00	1.00
S2BALREF	252	0.05	0.22	0.00	1.00
S4BALREF	299	0.05	0.21	0.00	1.00
S6BALREF	301	0.11	0.31	0.00	1.00
R2BALTRYU	573	0.22	0.42	0.00	1.00
R4BALTRYU	703	0.24	0.43	0.00	1.00
R6BALTRYU	653	0.18	0.38	0.00	1.00
S2BALTRYU	252	0.63	0.48	0.00	1.00

S4BALTRYU	299	0.64	0.48	0.00	1.00
S6BALTRYU	301	0.71	0.46	0.00	1.00
R2BALOTHR	573	0.13	0.33	0.00	1.00
R4BALOTHR	703	0.09	0.29	0.00	1.00
R6BALOTHR	653	0.01	0.11	0.00	1.00
S2BALOTHR	252	0.12	0.32	0.00	1.00
S4BALOTHR	299	0.10	0.30	0.00	1.00
S6BALOTHR	301	0.02	0.15	0.00	1.00

### Categorical Variable Codes

Value-----	R2BALSFT	R4BALSFT
.c:completed test	7093	7938
.m:Missing		2
.s:skipped	1766	2407
0.no	225	257
1.yes	348	446

Value-----	R6BALSFT
.c:completed test	7391
.m:Missing	10
.s:skipped	2547
0.no	175
1.yes	478

Value-----	S2BALSFT	S4BALSFT
.c:completed test	4670	5445
.m:Missing		2
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	93	109
1.yes	159	190

Value-----	S6BALSFT
.c:completed test	5012
.m:Missing	8
.s:skipped	1921
.u:Unmar	2802
.v:SP NR	557
0.no	88
1.yes	213

Value-----	R2BALREF	R4BALREF
.c:completed test	7093	7938
.m:Missing		2
.s:skipped	1766	2407
0.no	548	680
1.yes	25	23

Value-----	R6BALREF
.c:completed test	7391
.m:Missing	10
.s:skipped	2547
0.no	603
1.yes	50

Value-----	S2BALREF	S4BALREF
.c:completed test	4670	5445
.m:Missing		2
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	239	285
1.yes	13	14

Value-----	S6BALREF		
.c:completed test	5012		
.m:Missing	8		
.s:skipped	1921		
.u:Unmar	2802		
.v:SP NR	557		
0.no	268		
1.yes	33		
Value-----		R2BALTRYU	R4BALTRYU
.c:completed test		7093	7938
.m:Missing			2
.s:skipped		1766	2407
0.no		445	533
1.yes		128	170
Value-----	R6BALTRYU		
.c:completed test	7391		
.m:Missing	10		
.s:skipped	2547		
0.no	536		
1.yes	117		
Value-----		S2BALTRYU	S4BALTRYU
.c:completed test		4670	5445
.m:Missing			2
.s:skipped		1256	1656
.u:Unmar		2671	2932
.v:SP NR		583	716
0.no		93	109
1.yes		159	190
Value-----	S6BALTRYU		
.c:completed test	5012		
.m:Missing	8		
.s:skipped	1921		
.u:Unmar	2802		
.v:SP NR	557		
0.no	88		
1.yes	213		
Value-----		R2BALOTHR	R4BALOTHR
.c:completed test		7093	7938
.m:Missing			2
.s:skipped		1766	2407
0.no		501	639
1.yes		72	64
Value-----	R6BALOTHR		
.c:completed test	7391		
.m:Missing	10		
.s:skipped	2547		
0.no	645		
1.yes	8		
Value-----		S2BALOTHR	S4BALOTHR
.c:completed test		4670	5445
.m:Missing			2
.s:skipped		1256	1656
.u:Unmar		2671	2932
.v:SP NR		583	716
0.no		223	269
1.yes		29	30
Value-----	S6BALOTHR		
.c:completed test	5012		
.m:Missing	8		
.s:skipped	1921		
.u:Unmar	2802		
.v:SP NR	557		
0.no	294		

1.yes | 7

## General Comments:

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

## How Constructed

RwBALSFT, RwBALREF, RwBALTRYU, and RwBALOTHR indicate the reasons for the respondent not completing the balance tests (side-by-side stand, semi-tandem stand, and full-tandem stand) as reported by the interviewer. The interviewer is asked to report all of the reasons the respondent did not complete each of the balance tests. RwBALSFT indicates whether the respondent did not participate in any of the balance tests because they could not hold the position unassisted, or the respondent or interviewer thought it would be unsafe. RwBALREF indicates whether the respondent did not participate in any of the balance tests because they refused. RwBALTRYU indicates whether the respondent did not participate in any of the balance tests because they tried but were unable to complete the tests. RwBALOTHR indicates whether the respondent did not participate in any of the balance tests because they did not understand the instructions or because of another reason. RwBALSFT, RwBALREF, RwBALTRYU, and RwBALOTHR are coded as 0 if the specific reason was not given for the respondent not completing the balance tests, and are coded as 1 if the specific reason was given. Special missing .c is assigned if the respondent completed at least one of the balance tests. Special missing .s is assigned if the balance tests were skipped because the respondent did not participate in a nurse interview. Don't know, refuse, and other missing responses to RwBALSFT, RwBALREF, RwBALTRYU, and RwBALOTHR are set to special missing .d, .r, and .m, respectively. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwBALSFT, SwBALREF, SwBALTRYU, and SwBALOTHR indicate the reasons for the respondent's current wave's spouse not completing the balance tests, and their values are taken from the spouse's values to RwBALSFT, RwBALREF, RwBALTRYU, and RwBALOTHR. In addition to the special missing codes employed by RwBALSFT, RwBALREF, RwBALTRYU, and RwBALOTHR, SwBALSFT, SwBALREF, SwBALTRYU, and SwBALOTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

These variables are not available for Wave 8, as balance tests were not conducted.

## Cross Wave Differences in ELSA

These measurements are performed during the nurse interview in the 2nd, 4th, and 6th Waves of ELSA. These measurements were not obtained in Waves 8 or 9.

## Differences with the RAND HRS/Harmonized HRS

In the HRS, the respondents are first asked to complete the semi-tandem balance test, and then asked to complete the side-by-side test if they fail and to complete the full-tandem test if they pass. However in the ELSA, the respondents are first asked to complete the side-by-side balance test, then the semi-tandem test if they pass, and then the full-tandem test if they pass the semi-tandem test.

In the HRS, respondents aged 65 and under were expected to hold the full-tandem position for 60 seconds and respondents over the age of 65 were expected to hold the full-tandem position for 30 seconds. However in the ELSA, respondents under age 70 were expected to hold the full-tandem position for 30 seconds, and respondents aged 70 and older were expected to hold the full-tandem position for 10 seconds.

## ELSA Variables Used

Wave 2 Nurse:

MMFTNA	full tandem stand: reason not attempted
MMFTRE2	(d) outcome of full tandem stand according to age
MMFTSC	full tandem stand: whether respondent feels it is safe t
MMFTTI	full tandem stand: time position held (seconds)
MMSSNA	side-by-side stand: reason not attempted
MMSSRE	side-by-side stand: outcome

MMSSSC side-by-side stand: whether respondent feels it is safe  
MMSSTI side-by-side stand: time position held (seconds)  
MMSTNA semi-tandem stand: reason not attempted  
MMSTRE semi-tandem stand: outcome  
MMSTSC semi-tandem stand: whether respondent feels it is safe t  
MMSTTI semi-tandem stand: time position held (seconds)

## Wave 4 Nurse:

MMFTNA full tandem stand: reason not attempted  
MMFTRE2 full tandem stand: outcome  
MMFTSC full tandem stand: whether respondent feels it is safe t  
MMFTTI full tandem stand: time position held (seconds)  
MMSSNA side-by-side stand: reason not attempted  
MMSSRE side-by-side stand: outcome  
MMSSSC side-by-side stand: whether respondent feels it is safe  
MMSSTI side-by-side stand: time position held (seconds)  
MMSTNA semi-tandem stand: reason not attempted  
MMSTRE semi-tandem stand: outcome  
MMSTSC semi-tandem stand: whether respondent feels it is safe t  
MMSTTI semi-tandem stand: time position held (seconds)

## Wave 6 Nurse:

MMFTNA balance: reason full tandem stand not attempted  
MMFTRE2 (d) outcome of full tandem stand according to age  
MMFTSC balance: whether respondent feels it is safe to attempt  
MMFTTI balance: time full tandem stand held (seconds)  
MMSSNA balance: reason side-by-side stand not attempted  
MMSSRE balance: outcome of side-by-side stand  
MMSSSC balance: whether respondent feels it is safe to attempt  
MMSSTI balance: time side-by-side stand held (seconds)  
MMSTNA balance: reason semi-tandem stand not attempted  
MMSTRE balance: outcome of semi-tandem stand  
MMSTSC balance: whether respondent feels it is safe to attempt  
MMSTTI balance: time semi-tandem stand held (seconds)



<b>Leg Raise Tests</b>
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Wave	Variable	Label	Type
2	R2LEGRORES	r2legrores:w2 r result leg raise eyes open	Categ
4	R4LEGRORES	r4legrores:w4 r result leg raise eyes open	Categ
6	R6LEGRORES	r6legrores:w6 r result leg raise eyes open	Categ
2	S2LEGRORES	s2legrores:w2 s result leg raise eyes open	Categ
4	S4LEGRORES	s4legrores:w4 s result leg raise eyes open	Categ
6	S6LEGRORES	s6legrores:w6 s result leg raise eyes open	Categ
2	R2LEGRSRES	r2legrsres:w2 r result leg raise eyes shut	Categ
4	R4LEGRSRES	r4legrsres:w4 r result leg raise eyes shut	Categ
6	R6LEGRSRES	r6legrsres:w6 r result leg raise eyes shut	Categ
2	S2LEGRSRES	s2legrsres:w2 s result leg raise eyes shut	Categ
4	S4LEGRSRES	s4legrsres:w4 s result leg raise eyes shut	Categ
6	S6LEGRSRES	s6legrsres:w6 s result leg raise eyes shut	Categ
2	R2LEGROSEC	r2legrosec:w2 # seconds r leg raise eyes open	Cont
4	R4LEGROSEC	r4legrosec:w4 # seconds r leg raise eyes open	Cont
6	R6LEGROSEC	r6legrosec:w6 # seconds r leg raise eyes open	Cont
2	S2LEGROSEC	s2legrosec:w2 # seconds s leg raise eyes open	Cont
4	S4LEGROSEC	s4legrosec:w4 # seconds s leg raise eyes open	Cont
6	S6LEGROSEC	s6legrosec:w6 # seconds s leg raise eyes open	Cont
2	R2LEGRSSEC	r2legrssec:w2 # seconds r leg raise eyes shut	Cont
4	R4LEGRSSEC	r4legrssec:w4 # seconds r leg raise eyes shut	Cont
6	R6LEGRSSEC	r6legrssec:w6 # seconds r leg raise eyes shut	Cont
2	S2LEGRSSEC	s2legrssec:w2 # seconds s leg raise eyes shut	Cont
4	S4LEGRSSEC	s4legrssec:w4 # seconds s leg raise eyes shut	Cont
6	S6LEGRSSEC	s6legrssec:w6 # seconds s leg raise eyes shut	Cont
2	R2LEGROCOMP	r2legrocomp:w2 r willing and able to complete leg raise eyes	Categ
4	R4LEGROCOMP	r4legrocomp:w4 r willing and able to complete leg raise eyes	Categ
6	R6LEGROCOMP	r6legrocomp:w6 r willing and able to complete leg raise eyes	Categ
2	S2LEGROCOMP	s2legrocomp:w2 s willing and able to complete leg raise eyes	Categ
4	S4LEGROCOMP	s4legrocomp:w4 s willing and able to complete leg raise eyes	Categ
6	S6LEGROCOMP	s6legrocomp:w6 s willing and able to complete leg raise eyes	Categ
2	R2LEGRSCOMP	r2legrscomp:w2 r willing and able to complete leg raise eyes	Categ
4	R4LEGRSCOMP	r4legrscomp:w4 r willing and able to complete leg raise eyes	Categ
6	R6LEGRSCOMP	r6legrscomp:w6 r willing and able to complete leg raise eyes	Categ
2	S2LEGRSCOMP	s2legrscomp:w2 s willing and able to complete leg raise eyes	Categ
4	S4LEGRSCOMP	s4legrscomp:w4 s willing and able to complete leg raise eyes	Categ
6	S6LEGRSCOMP	s6legrscomp:w6 s willing and able to complete leg raise eyes	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2LEGRORES	4615	1.37	0.48	1.00	2.00
R4LEGRORES	5361	1.35	0.48	1.00	2.00
R6LEGRORES	4643	1.35	0.48	1.00	2.00
S2LEGRORES	3342	1.34	0.48	1.00	2.00

S4LEGRORES	3952	1.33	0.47	1.00	2.00
S6LEGRORES	3400	1.34	0.47	1.00	2.00
R2LEGRSRES	2884	1.96	0.19	1.00	2.00
R4LEGRSRES	3443	1.95	0.21	1.00	2.00
R6LEGRSRES	2978	1.96	0.20	1.00	2.00
S2LEGRSRES	2174	1.96	0.19	1.00	2.00
S4LEGRSRES	2625	1.95	0.21	1.00	2.00
S6LEGRSRES	2231	1.96	0.19	1.00	2.00
R2LEGROSEC	4615	23.59	9.72	0.27	30.00
R4LEGROSEC	5361	23.99	9.52	0.26	30.00
R6LEGROSEC	4643	24.01	9.46	0.33	30.00
S2LEGROSEC	3342	24.10	9.42	0.46	30.00
S4LEGROSEC	3952	24.47	9.22	0.26	30.00
S6LEGROSEC	3400	24.32	9.28	0.33	30.00
R2LEGRSSEC	2883	7.06	6.53	0.18	30.00
R4LEGRSSEC	3443	7.57	7.08	0.00	30.00
R6LEGRSSEC	2978	7.48	6.92	0.04	30.00
S2LEGRSSEC	2173	7.10	6.64	0.18	30.00
S4LEGRSSEC	2625	7.69	7.12	0.32	30.00
S6LEGRSSEC	2231	7.41	6.87	0.04	30.00
R2LEGROCOMP	4769	0.97	0.18	0.00	1.00
R4LEGROCOMP	5576	0.96	0.19	0.00	1.00
R6LEGROCOMP	4826	0.96	0.19	0.00	1.00
S2LEGROCOMP	3434	0.97	0.16	0.00	1.00
S4LEGROCOMP	4083	0.97	0.18	0.00	1.00
S6LEGROCOMP	3511	0.97	0.17	0.00	1.00
R2LEGRSCOMP	4769	0.60	0.49	0.00	1.00
R4LEGRSCOMP	5576	0.62	0.49	0.00	1.00
R6LEGRSCOMP	4826	0.62	0.49	0.00	1.00
S2LEGRSCOMP	3434	0.63	0.48	0.00	1.00
S4LEGRSCOMP	4083	0.64	0.48	0.00	1.00
S6LEGRSCOMP	3511	0.64	0.48	0.00	1.00

**Categorical Variable Codes**

Value-----	R2LEGRORES	R4LEGRORES
.n:not willing/able	154	215
.s:skipped	4663	5474
1.held for 30 sec	2911	3484
2.held for less than 30 sec	1704	1877
Value-----	R6LEGRORES	
.m:Missing	9	
.n:not willing/able	183	
.s:skipped	5766	
1.held for 30 sec	3009	
2.held for less than 30 sec	1634	
Value-----	S2LEGRORES	S4LEGRORES
.n:not willing/able	92	131
.s:skipped	2744	3319
.u:Unmar	2671	2932
.v:SP NR	583	716
1.held for 30 sec	2191	2659

2.held for less than 30 sec	1151	1293
Value-----	S6LEGRORES	
.m:Missing	8	
.n:not willing/able	111	
.s:skipped	3723	
.u:Unmar	2802	
.v:SP NR	557	
1.held for 30 sec	2255	
2.held for less than 30 sec	1145	
Value-----	R2LEGRSRES	R4LEGRSRES
.n:not willing/able	181	256
.s:skipped	4663	5474
.t:not tested	1704	1877
1.held for 30 sec	105	163
2.held for less than 30 sec	2779	3280
Value-----	R6LEGRSRES	
.m:Missing	9	
.n:not willing/able	214	
.s:skipped	5766	
.t:not tested	1634	
1.held for 30 sec	120	
2.held for less than 30 sec	2858	
Value-----	S2LEGRSRES	S4LEGRSRES
.n:not willing/able	109	165
.s:skipped	2744	3319
.t:not tested	1151	1293
.u:Unmar	2671	2932
.v:SP NR	583	716
1.held for 30 sec	82	126
2.held for less than 30 sec	2092	2499
Value-----	S6LEGRSRES	
.m:Missing	8	
.n:not willing/able	135	
.s:skipped	3723	
.t:not tested	1145	
.u:Unmar	2802	
.v:SP NR	557	
1.held for 30 sec	88	
2.held for less than 30 sec	2143	
Value-----	R2LEGROCOMP	R4LEGROCOMP
.s:skipped	4663	5474
0.no	154	215
1.yes	4615	5361
Value-----	R6LEGROCOMP	
.m:Missing	9	
.s:skipped	5766	
0.no	183	
1.yes	4643	
Value-----	S2LEGROCOMP	S4LEGROCOMP
.s:skipped	2744	3319
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	92	131
1.yes	3342	3952
Value-----	S6LEGROCOMP	
.m:Missing	8	
.s:skipped	3723	
.u:Unmar	2802	
.v:SP NR	557	
0.no	111	
1.yes	3400	

Value-----		R2LEGRSCOMP	R4LEGRSCOMP
.s:skipped		4663	5474
0.no		1885	2133
1.yes		2884	3443
Value-----	R6LEGRSCOMP		
.m:Missing	9		
.s:skipped	5766		
0.no	1848		
1.yes	2978		
Value-----		S2LEGRSCOMP	S4LEGRSCOMP
.s:skipped		2744	3319
.u:Unmar		2671	2932
.v:SP NR		583	716
0.no		1260	1458
1.yes		2174	2625
Value-----	S6LEGRSCOMP		
.m:Missing	8		
.s:skipped	3723		
.u:Unmar	2802		
.v:SP NR	557		
0.no	1280		
1.yes	2231		

## General Comments:

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

## How Constructed

RwLEGRORES and RwLEGRSRES indicate the results of the respondent's leg raise tests. RwLEGRORES indicates the results of the respondent's leg raise with their eyes open. RwLEGRSRES indicates the results of the respondent's leg raise with their eyes closed. RwLEGRORES and RwLEGRSRES are coded as 1 if the respondent held the leg raise for 30 seconds, and are coded as 2 if the respondent held the leg raise for less than 30 seconds. Special missing .t is assigned to RwLEGRSRES if the respondent was not asked to complete the leg raise test with their eyes closed because they did not complete the leg raise test with their eyes open at all or for the complete 30 seconds. Special missing .n is assigned if the respondent did not complete the leg raise tests because they did not feel that the test would be safe. Special missing .s is assigned if the leg raise tests were skipped because the respondent did not participate in a nurse interview, they were aged 70 and over, or if they did not complete the side-by-side balance test at all or for the full 10 seconds. Don't know, refused, or other missing responses for the leg raise tests are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwLEGRORES and SwLEGRSRES indicate whether the results of the respondent's current wave's spouse's leg raise tests, and their values are taken from RwLEGRORES and RwLEGRSRES. In addition to the special missing codes used in RwLEGRORES and RwLEGRSRES, SwLEGRORES and SwLEGRSRES employ two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLEGROSEC and RwLEGRSSEC indicate the number of seconds the respondent maintained their leg raise. RwLEGROSEC indicates the number of seconds the respondent maintained their leg raise with their eyes open, up to 30 seconds. RwLEGRSSEC indicates the number of seconds the respondent maintained their leg raise with their eyes closed, up to 30 seconds. Special missing .t is assigned to RwLEGRSSEC if the respondent was not asked to complete the leg raise test with their eyes closed because they did not complete the leg raise test with their eyes open at all or for the complete 30 seconds. Special missing .n is assigned if the respondent did not complete the leg raise tests because they did not feel that the test would be safe. Special missing .s is assigned if the leg raise tests were skipped because the respondent did not participate in a nurse interview, they were aged 70 and over, or if they did not complete the side-by-side balance test at all or for the full 10 seconds. Don't know, refused, or other

missing responses for the leg raise tests are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwLEGROSEC and SwLEGRSSEC indicate the number of seconds the respondent's current wave's spouse maintained their leg raise, and their values are taken from RwLEGROSEC and RwLEGRSSEC. In addition to the special missing codes used in RwLEGROSEC and RwLEGRSSEC, SwLEGROSEC and SwLEGRSSEC employ two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLEGROCOMP and RwLEGRSCOMP indicate whether the respondent is willing and able to complete the leg raise tests. RwLEGROCOMP indicates whether the respondent is willing and able to complete the leg raise test with their eyes open. RwLEGRSCOMP indicates whether the respondent is willing and able to complete the leg raise test with their eyes closed. RwLEGROCOMP and RwLEGRSCOMP are coded as 1 if the respondent felt it would be safe to complete the test and attempted to complete it, and are coded as 0 if the respondent did not feel it would be safe to complete the test or did not attempt to complete it. Special missing .s is assigned if the leg raise tests were skipped because the respondent did not participate in a nurse interview, they were aged 70 and over, or if they did not complete the side-by-side balance test at all or for the full 10 seconds. Don't know, refused, or other missing responses for the leg raise tests are assigned special missing codes .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwLEGROCOMP and SwLEGRSCOMP indicate whether the respondent's current wave's spouse is willing and able to complete the leg raise tests, and their values are taken from RwLEGROCOMP and RwLEGRSCOMP. In addition to the special missing codes used in RwLEGROCOMP and RwLEGRSCOMP, SwLEGROCOMP and SwLEGRSCOMP employ two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

These variables are not available for Wave 8, as leg raise tests were not conducted.

## Cross Wave Differences in ELSA

These measurements are performed during the nurse interview in the 2nd, 4th, and 6th Waves of ELSA. These measurements were not obtained in Waves 8 or 9.

## Differences with the RAND HRS/Harmonized HRS

These tests are not completed in the HRS and so there are no corresponding variables to these in the Harmonized HRS.

## ELSA Variables Used

### Wave 2 Nurse:

MMLORE	leg raise (eyes open): outcome
MMLOSC	leg raise (eyes open): whether respondent feels it is sa
MMLOTI	leg raise (eyes open): time leg raise held (seconds)
MMLSRE	leg raise (eyes shut): outcome
MMLSSC	leg raise (eyes shut): whether respondent feels it is sa
MMLSTI	leg raise (eyes shut): time leg raise held (seconds)

### Wave 4 Nurse:

MMLORE	leg raise (eyes open): outcome
MMLOSC	leg raise (eyes open): whether respondent feels it is sa
MMLOTI	leg raise (eyes open): time leg raise held (seconds)
MMLSRE	leg raise (eyes shut): outcome
MMLSSC	leg raise (eyes shut): whether respondent feels it is sa
MMLSTI	leg raise (eyes shut): time leg raise held (seconds)

### Wave 6 Nurse:

MMLORE	legraise: leg raise (eyes open): outcome
MMLOSC	legraise: leg raise (eyes open): respondent feels safe t
MMLOTI	legraise: leg raise (eyes open): time leg raise held (se
MMLSRE	legraise: leg raise (eyes shut): outcome

MMLSSC legraise: leg raise (eyes shut): respondent feels safe t  
MMLSTI legraise: leg raise (eyes shut): time leg raise held (se

<b>Leg Raise Tests: Reasons Didn't Complete</b>
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Wave	Variable	Label	Type
2	R2LEGRSFT	r2legrsft:w2 r didn't complete leg raise: unsafe/health reas	Categ
4	R4LEGRSFT	r4legrsft:w4 r didn't complete leg raise: unsafe/health reas	Categ
6	R6LEGRSFT	r6legrsft:w6 r didn't complete leg raise: unsafe/health reas	Categ
2	S2LEGRSFT	s2legrsft:w2 s didn't complete leg raise: unsafe/health reas	Categ
4	S4LEGRSFT	s4legrsft:w4 s didn't complete leg raise: unsafe/health reas	Categ
6	S6LEGRSFT	s6legrsft:w6 s didn't complete leg raise: unsafe/health reas	Categ
2	R2LEGRREF	r2legrref:w2 r didn't complete leg raise: refused	Categ
4	R4LEGRREF	r4legrref:w4 r didn't complete leg raise: refused	Categ
6	R6LEGRREF	r6legrref:w6 r didn't complete leg raise: refused	Categ
2	S2LEGRREF	s2legrref:w2 s didn't complete leg raise: refused	Categ
4	S4LEGRREF	s4legrref:w4 s didn't complete leg raise: refused	Categ
6	S6LEGRREF	s6legrref:w6 s didn't complete leg raise: refused	Categ
2	R2LEGRTRYU	r2legrtryu:w2 r didn't complete leg raise: tried but unable	Categ
4	R4LEGRTRYU	r4legrtryu:w4 r didn't complete leg raise: tried but unable	Categ
6	R6LEGRTRYU	r6legrtryu:w6 r didn't complete leg raise: tried but unable	Categ
2	S2LEGRTRYU	s2legrtryu:w2 s didn't complete leg raise: tried but unable	Categ
4	S4LEGRTRYU	s4legrtryu:w4 s didn't complete leg raise: tried but unable	Categ
6	S6LEGRTRYU	s6legrtryu:w6 s didn't complete leg raise: tried but unable	Categ
2	R2LEGROTHR	r2legrothr:w2 r didn't complete leg raise: other reason	Categ
4	R4LEGROTHR	r4legrothr:w4 r didn't complete leg raise: other reason	Categ
6	R6LEGROTHR	r6legrothr:w6 r didn't complete leg raise: other reason	Categ
2	S2LEGROTHR	s2legrothr:w2 s didn't complete leg raise: other reason	Categ
4	S4LEGROTHR	s4legrothr:w4 s didn't complete leg raise: other reason	Categ
6	S6LEGROTHR	s6legrothr:w6 s didn't complete leg raise: other reason	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2LEGRSFT	181	0.60	0.49	0.00	1.00
R4LEGRSFT	256	0.66	0.47	0.00	1.00
R6LEGRSFT	214	0.78	0.41	0.00	1.00
S2LEGRSFT	109	0.56	0.50	0.00	1.00
S4LEGRSFT	165	0.65	0.48	0.00	1.00
S6LEGRSFT	135	0.79	0.41	0.00	1.00
R2LEGRREF	181	0.04	0.21	0.00	1.00
R4LEGRREF	256	0.04	0.20	0.00	1.00
R6LEGRREF	214	0.03	0.18	0.00	1.00
S2LEGRREF	109	0.04	0.19	0.00	1.00
S4LEGRREF	165	0.02	0.15	0.00	1.00
S6LEGRREF	135	0.04	0.21	0.00	1.00
R2LEGRTRYU	181	0.32	0.47	0.00	1.00
R4LEGRTRYU	256	0.22	0.41	0.00	1.00
R6LEGRTRYU	214	0.14	0.35	0.00	1.00
S2LEGRTRYU	109	0.37	0.48	0.00	1.00

S4LEGRTRYU	165	0.23	0.42	0.00	1.00
S6LEGRTRYU	135	0.14	0.35	0.00	1.00
R2LEGROTHR	154	0.04	0.19	0.00	1.00
R4LEGROTHR	215	0.08	0.28	0.00	1.00
R6LEGROTHR	183	0.04	0.19	0.00	1.00
S2LEGROTHR	92	0.03	0.18	0.00	1.00
S4LEGROTHR	131	0.10	0.30	0.00	1.00
S6LEGROTHR	111	0.03	0.16	0.00	1.00

## Categorical Variable Codes

Value-----	R2LEGRSFT	R4LEGRSFT
.c:completed test	4588	5320
.s:skipped	4663	5474
0.no	73	87
1.yes	108	169

Value-----	R6LEGRSFT
.c:completed test	4612
.m:Missing	9
.s:skipped	5766
0.no	47
1.yes	167

Value-----	S2LEGRSFT	S4LEGRSFT
.c:completed test	3325	3918
.s:skipped	2744	3319
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	48	57
1.yes	61	108

Value-----	S6LEGRSFT
.c:completed test	3376
.m:Missing	8
.s:skipped	3723
.u:Unmar	2802
.v:SP NR	557
0.no	29
1.yes	106

Value-----	R2LEGRREF	R4LEGRREF
.c:completed test	4588	5320
.s:skipped	4663	5474
0.no	173	245
1.yes	8	11

Value-----	R6LEGRREF
.c:completed test	4612
.m:Missing	9
.s:skipped	5766
0.no	207
1.yes	7

Value-----	S2LEGRREF	S4LEGRREF
.c:completed test	3325	3918
.s:skipped	2744	3319
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	105	161
1.yes	4	4

Value-----	S6LEGRREF
.c:completed test	3376
.m:Missing	8
.s:skipped	3723



.u:Unmar	2802		
.v:SP NR	557		
0.no	129		
1.yes	6		
Value-----		R2LEGRTRYU	R4LEGRTRYU
.c:completed test		4588	5320
.s:skipped		4663	5474
0.no		123	200
1.yes		58	56
Value-----	R6LEGRTRYU		
.c:completed test	4612		
.m:Missing	9		
.s:skipped	5766		
0.no	183		
1.yes	31		
Value-----		S2LEGRTRYU	S4LEGRTRYU
.c:completed test		3325	3918
.s:skipped		2744	3319
.u:Unmar		2671	2932
.v:SP NR		583	716
0.no		69	127
1.yes		40	38
Value-----	S6LEGRTRYU		
.c:completed test	3376		
.m:Missing	8		
.s:skipped	3723		
.u:Unmar	2802		
.v:SP NR	557		
0.no	116		
1.yes	19		
Value-----		R2LEGROTHR	R4LEGROTHR
.c:completed test		4615	5361
.s:skipped		4663	5474
0.no		148	197
1.yes		6	18
Value-----	R6LEGROTHR		
.c:completed test	4643		
.m:Missing	9		
.s:skipped	5766		
0.no	176		
1.yes	7		
Value-----		S2LEGROTHR	S4LEGROTHR
.c:completed test		3342	3952
.s:skipped		2744	3319
.u:Unmar		2671	2932
.v:SP NR		583	716
0.no		89	118
1.yes		3	13
Value-----	S6LEGROTHR		
.c:completed test	3400		
.m:Missing	8		
.s:skipped	3723		
.u:Unmar	2802		
.v:SP NR	557		
0.no	108		
1.yes	3		

**General Comments:**

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

## How Constructed

RwLEGRSFT, RwLEGRREF, RwLEGRTRYU, and RwLEGROTHR indicate the reasons for the respondent not completing the leg raise tests as reported by the interviewer. The interviewer is asked to report all of the reasons the respondent did not complete each of the leg raise tests. RwLEGRSFT indicates whether the respondent did not complete the leg raise tests because they could not hold the position unassisted, or if the interviewer or respondent felt that it would be unsafe. RwLEGRREF indicates whether the respondent did not complete the leg raise tests because they refused. RwLEGRTRYU indicates whether the respondent did not complete the leg raise tests because they tried but were unable to complete them. RwLEGROTHR indicates whether the respondent did not complete the leg raise tests because the respondent was unable to understand the instructions, or for another reason. RwLEGRSFT, RwLEGRREF, RwLEGRTRYU, and RwLEGROTHR are coded as 0 if the specific reason was not given for the respondent not completing the leg raise tests, and are coded as 1 if the specific reason was given. Special missing .c is assigned if the respondent completed at least one of the leg raise tests. Special missing .s is assigned if the leg raise tests were skipped because the respondent did not participate in a nurse interview, they were aged 70 and over, or if they did not complete the side-by-side balance test at all or for the full 10 seconds. Don't know, refuse, and other missing responses to RwLEGRSFT, RwLEGRREF, RwLEGRTRYU, and RwLEGROTHR are set to special missing .d, .r, and .m, respectively. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwLEGRSFT, SwLEGRREF, SwLEGRTRYU, and SwLEGROTHR indicate the reasons for the respondent's current wave's spouse not completing the leg raise tests, and their values are taken from the spouse's values to RwLEGRSFT, RwLEGRREF, RwLEGRTRYU, and RwLEGROTHR. In addition to the special missing codes employed by RwLEGRSFT, RwLEGRREF, RwLEGRTRYU, and RwLEGROTHR, SwLEGRSFT, SwLEGRREF, SwLEGRTRYU, and SwLEGROTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

These variables are not available for Wave 8, as leg raise tests were not conducted.

## Cross Wave Differences in ELSA

These measurements are performed during the nurse interview in the 2nd, 4th, and 6th Waves of ELSA. These measurements were not obtained in Waves 8 or 9.

## Differences with the RAND HRS/Harmonized HRS

These tests are not completed in the HRS and so there are no corresponding variables to these in the Harmonized HRS.

## ELSA Variables Used

### Wave 2 Nurse:

MMLONA	leg raise (eyes open): reason not attempted
MMLORE	leg raise (eyes open): outcome
MMLOSC	leg raise (eyes open): whether respondent feels it is sa
MMLSNA	leg raise (eyes shut): reason not attempted
MMLSRE	leg raise (eyes shut): outcome
MMLSSC	leg raise (eyes shut): whether respondent feels it is sa
MMLSTI	leg raise (eyes shut): time leg raise held (seconds)

### Wave 4 Nurse:

MMLONA	leg raise (eyes open): reason not attempted
MMLORE	leg raise (eyes open): outcome
MMLOSC	leg raise (eyes open): whether respondent feels it is sa
MMLSNA	leg raise (eyes shut): reason not attempted
MMLSRE	leg raise (eyes shut): outcome
MMLSSC	leg raise (eyes shut): whether respondent feels it is sa
MMLSTI	leg raise (eyes shut): time leg raise held (seconds)

### Wave 6 Nurse:

MMLONA	legraise: leg raise (eyes open): reason not attempted
MMLORE	legraise: leg raise (eyes open): outcome
MMLOSC	legraise: leg raise (eyes open): respondent feels safe t

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MMLSNA	legraise: leg raise (eyes shut): reason not attempted
MMLSRE	legraise: leg raise (eyes shut): outcome
MMLSSC	legraise: leg raise (eyes shut): respondent feels safe t
MMLSTI	legraise: leg raise (eyes shut): time leg raise held (se

<b>Chair Stand Tests</b>
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Wave	Variable	Label	Type
2	R2CHR1RES	r2chr1res:w2 r result 1 chair stand	Categ
4	R4CHR1RES	r4chr1res:w4 r result 1 chair stand	Categ
6	R6CHR1RES	r6chr1res:w6 r result 1 chair stand	Categ
2	S2CHR1RES	s2chr1res:w2 s result 1 chair stand	Categ
4	S4CHR1RES	s4chr1res:w4 s result 1 chair stand	Categ
6	S6CHR1RES	s6chr1res:w6 s result 1 chair stand	Categ
2	R2CHR1COMP	r2chr1comp:w2 r willing and able to complete 1 chair stand	Categ
4	R4CHR1COMP	r4chr1comp:w4 r willing and able to complete 1 chair stand	Categ
6	R6CHR1COMP	r6chr1comp:w6 r willing and able to complete 1 chair stand	Categ
2	S2CHR1COMP	s2chr1comp:w2 s willing and able to complete 1 chair stand	Categ
4	S4CHR1COMP	s4chr1comp:w4 s willing and able to complete 1 chair stand	Categ
6	S6CHR1COMP	s6chr1comp:w6 s willing and able to complete 1 chair stand	Categ
2	R2CHR5SEC	r2chr5sec:w2 # seconds for r to do 5 chair stands	Cont
4	R4CHR5SEC	r4chr5sec:w4 # seconds for r to do 5 chair stands	Cont
6	R6CHR5SEC	r6chr5sec:w6 # seconds for r to do 5 chair stands	Cont
2	S2CHR5SEC	s2chr5sec:w2 # seconds for s to do 5 chair stands	Cont
4	S4CHR5SEC	s4chr5sec:w4 # seconds for s to do 5 chair stands	Cont
6	S6CHR5SEC	s6chr5sec:w6 # seconds for s to do 5 chair stands	Cont
2	R2CHR10SEC	r2chr10sec:w2 # seconds for r to do 10 chair stands	Cont
4	R4CHR10SEC	r4chr10sec:w4 # seconds for r to do 10 chair stands	Cont
6	R6CHR10SEC	r6chr10sec:w6 # seconds for r to do 10 chair stands	Cont
2	S2CHR10SEC	s2chr10sec:w2 # seconds for s to do 10 chair stands	Cont
4	S4CHR10SEC	s4chr10sec:w4 # seconds for s to do 10 chair stands	Cont
6	S6CHR10SEC	s6chr10sec:w6 # seconds for s to do 10 chair stands	Cont
2	R2CHRNUM	r2chrnum:w2 r number chair stands completed	Cont
4	R4CHRNUM	r4chrnum:w4 r number chair stands completed	Cont
6	R6CHRNUM	r6chrnum:w6 r number chair stands completed	Cont
2	S2CHRNUM	s2chrnum:w2 s number chair stands completed	Cont
4	S4CHRNUM	s4chrnum:w4 s number chair stands completed	Cont
6	S6CHRNUM	s6chrnum:w6 s number chair stands completed	Cont
2	R2CHRCOMP	r2chrcomp:w2 willing and able to complete 5/10 chair stands	Categ
4	R4CHRCOMP	r4chrcomp:w4 willing and able to complete 5/10 chair stands	Categ
6	R6CHRCOMP	r6chrcomp:w6 willing and able to complete 5/10 chair stands	Categ
2	S2CHRCOMP	s2chrcomp:w2 willing and able to complete 5/10 chair stands	Categ
4	S4CHRCOMP	s4chrcomp:w4 willing and able to complete 5/10 chair stands	Categ
6	S6CHRCOMP	s6chrcomp:w6 willing and able to complete 5/10 chair stands	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2CHR1RES	6760	1.04	0.23	1.00	3.00
R4CHR1RES	7507	1.03	0.22	1.00	3.00
R6CHR1RES	6931	1.03	0.21	1.00	3.00
S2CHR1RES	4501	1.03	0.20	1.00	3.00

S4CHR1RES	5187	1.02	0.19	1.00	3.00
S6CHR1RES	4792	1.02	0.17	1.00	3.00
R2CHR1COMP	7665	0.88	0.32	0.00	1.00
R4CHR1COMP	8640	0.87	0.34	0.00	1.00
R6CHR1COMP	8047	0.86	0.35	0.00	1.00
S2CHR1COMP	4922	0.91	0.28	0.00	1.00
S4CHR1COMP	5744	0.90	0.30	0.00	1.00
S6CHR1COMP	5316	0.90	0.30	0.00	1.00
R2CHR5SEC	6368	11.72	4.33	1.00	63.43
R4CHR5SEC	7137	11.32	4.10	1.00	56.37
R6CHR5SEC	6664	11.10	4.15	0.00	50.86
S2CHR5SEC	4310	11.27	3.88	1.00	37.46
S4CHR5SEC	5008	10.95	3.71	1.00	42.95
S6CHR5SEC	4655	10.75	3.86	0.00	43.71
R2CHR10SEC	4251	22.33	6.66	8.12	60.98
R4CHR10SEC	4933	22.25	6.68	7.26	65.00
R6CHR10SEC	4296	21.41	6.74	2.22	65.00
S2CHR10SEC	3133	22.06	6.56	8.12	60.98
S4CHR10SEC	3692	21.92	6.54	7.26	65.00
S6CHR10SEC	3207	21.12	6.51	2.22	65.00
R2CHRNUM	6452	8.27	2.43	0.00	10.00
R4CHRNUM	7198	8.42	2.36	0.00	10.00
R6CHRNUM	6718	8.34	2.39	0.00	10.00
S2CHRNUM	4355	8.58	2.30	0.00	10.00
S4CHRNUM	5036	8.66	2.23	0.00	10.00
S6CHRNUM	4684	8.55	2.30	0.00	10.00
R2CHRCOMP	7666	0.84	0.37	0.00	1.00
R4CHRCOMP	8641	0.83	0.37	0.00	1.00
R6CHRCOMP	8047	0.83	0.37	0.00	1.00
S2CHRCOMP	4922	0.88	0.32	0.00	1.00
S4CHRCOMP	5744	0.88	0.33	0.00	1.00
S6CHRCOMP	5316	0.88	0.32	0.00	1.00

**Categorical Variable Codes**

Value-----	R2CHR1RES	R4CHR1RES
.d:DK	1	3
.n:not willing/able	905	1133
.s:skipped	1766	2407
1.stood w/out using arms	6567	7326
2.used arms to stand	137	117
3.not completed	56	64
Value-----	R6CHR1RES	
.d:DK	4	
.n:not willing/able	1116	
.r:Refuse	3	
.s:skipped	2547	
1.stood w/out using arms	6765	
2.used arms to stand	121	
3.not completed	45	
Value-----	S2CHR1RES	S4CHR1RES
.d:DK		2

.n:not willing/able	421	557
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
1.stood w/out using arms	4416	5100
2.used arms to stand	54	51
3.not completed	31	36

Value-----	S6CHR1RES
.d:DK	3
.n:not willing/able	524
.r:Refuse	2
.s:skipped	1921
.u:Unmar	2802
.v:SP NR	557
1.stood w/out using arms	4716
2.used arms to stand	53
3.not completed	23

Value-----	R2CHR1COMP	R4CHR1COMP
.d:DK	1	3
.s:skipped	1766	2407
0.no	905	1133
1.yes	6760	7507

Value-----	R6CHR1COMP
.d:DK	4
.r:Refuse	3
.s:skipped	2547
0.no	1116
1.yes	6931

Value-----	S2CHR1COMP	S4CHR1COMP
.d:DK		2
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	421	557
1.yes	4501	5187

Value-----	S6CHR1COMP
.d:DK	3
.r:Refuse	2
.s:skipped	1921
.u:Unmar	2802
.v:SP NR	557
0.no	524
1.yes	4792

Value-----	R2CHRCOMP	R4CHRCOMP
.d:DK		2
.s:skipped	1766	2407
0.no	1214	1443
1.yes	6452	7198

Value-----	R6CHRCOMP
.m:Missing	7
.s:skipped	2547
0.no	1329
1.yes	6718

Value-----	S2CHRCOMP	S4CHRCOMP
.d:DK		2
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	567	708
1.yes	4355	5036

Value-----	S6CHRCOMP
.m:Missing	5

.s:skipped		1921
.u:Unmar		2802
.v:SP NR		557
0.no		632
1.yes		4684

## General Comments:

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

## How Constructed

RwCHR1RES indicates the result of the respondent's single chair stand. RwCHR1RES is coded as follows: 1.stood without using arms, 2.used arms to stand, 3.not completed. Special missing .n is assigned if there was no suitable chair, or if the respondent did not feel it would be safe to do the test. Special missing .s is assigned if the chair stand tests were skipped because the respondent did not participate in a nurse interview. Don't know, refuse, and other missing responses to RwCHR1RES are set to special missing .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwCHR1RES indicates the result of the respondent's current wave's spouse's single chair stand, and its values are taken from RwCHR1RES. In addition to the special missing codes used in RwCHR1RES, SwCHR1RES employs two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwCHR1COMP indicates whether the respondent was willing and able to complete the single chair stand without using their arms. RwCHR1COMP is coded as 1 if the respondent completed or attempted the single chair stand, and is coded as 0 if there was no suitable chair, the respondent did not feel it would be safe to do the test, or the respondent did not attempt the single chair stand. Special missing .s is assigned if the chair stand tests were skipped because the respondent did not participate in a nurse interview. Don't know, refuse, and other missing responses to RwCHR1COMP are set to special missing .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwCHR1COMP indicates whether the respondent's current wave's spouse was willing and able to complete the single chair stand, and its values are taken from RwCHR1COMP. In addition to the special missing codes used in RwCHR1COMP, SwCHR1COMP employs two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwCHR5SEC and RwCHR10SEC indicate the number of seconds it took the respondent to complete 5 and 10 chair stands, respectively, in a row. If the respondent stood without using their arms in the single chair stand, then they are asked to perform 5 consecutive chair stands if they are aged 70 or older, and 10 consecutive chair stands if they are under age 70. RwCHR5SEC and RwCHR10SEC indicate the amount of time it took the respondent to complete the expected chair stands for their age. RwCHR5SEC is assigned special missing .x if the respondent completed less than 5 chair stands, regardless of their age. RwCHR10SEC is assigned special missing .x if the respondent completed less than 10 chair stands if they were under age 70. Special missing .i is assigned to RwCHR5SEC and RwCHR10SEC if the chair stands were not timed correctly. Special missing .n is assigned to both variables if there was no suitable chair, if the respondent did not feel it would be safe to do the test, or if the respondent did not complete or used their arms for the single chair stand. RwCHR10SEC is also assigned special missing .n if the respondent was aged 70 or over. Special missing .s is assigned to RwCHR5SEC and RwCHR10SEC if the chair stand tests were skipped because the respondent did not participate in a nurse interview. Don't know, refuse, and other missing responses to RwCHR5SEC and RwCHR10SEC are set to special missing .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwCHR5SEC and SwCHR10SEC indicate the number of seconds it took the respondent's current wave's spouse to complete 5 and 10 chair stands, respectively, and their values are taken from RwCHR5SEC and RwCHR10SEC. In addition to the special missing codes used in RwCHR5SEC and RwCHR10SEC, SwCHR5SEC and SwCHR10SEC employ two additional missing codes, .u and .v. A special missing value .u is used when the respondent

does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwCHRUNUM indicates the total number of chair stands the respondent completed, and can range from 0 to 10. Respondents under age 70 were expected to complete 10 chair stands, while respondents aged 70 and older were expected to complete 5 chair stands. Special missing .n is assigned if there was no suitable chair, if the respondent did not feel it would be safe to do the test, or if the respondent did not complete or used their arms for the single chair stand. Special missing .s is assigned if the chair stand tests were skipped because the respondent did not participate in a nurse interview. Don't know, refuse, and other missing responses to RwCHRUNUM are set to special missing .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwCHRUNUM indicates the total number of chair stands the respondent's current wave's spouse completed, and its values are taken from RwCHRUNUM. In addition to the special missing codes used in RwCHRUNUM, SwCHRUNUM employs two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwCHRCOMP indicates whether the respondent was willing and able to complete the 5 or 10 chair stand test without using their arms. RwCHRCOMP is coded as 1 if the respondent completed or attempted the 5 or 10 chair stand test, and is coded as 0 if there was no suitable chair, the respondent did not feel it would be safe to do the test, if the respondent did not complete or used their arms for the single chair stand, or if the respondent did not attempt the multiple chair stand test. Special missing .s is assigned if the chair stand tests were skipped because the respondent did not participate in a nurse interview. Don't know, refuse, and other missing responses to RwCHRCOMP are set to special missing .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwCHRCOMP indicates whether the respondent's current wave's spouse was willing and able to complete the 5 or 10 chair stand test, and its values are taken from RwCHRCOMP. In addition to the special missing codes used in RwCHRCOMP, SwCHRCOMP employs two additional missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

These variables are not available for Wave 8, as chair stand tests were not conducted.

## Cross Wave Differences in ELSA

These measurements are performed during the nurse interview in the 2nd, 4th, and 6th Waves of ELSA. These measurements were not obtained in Waves 8 or 9.

## Differences with the RAND HRS/Harmonized HRS

These tests are not completed in the HRS and so there are no corresponding variables to these in the Harmonized HRS.

## ELSA Variables Used

### Wave 2 Nurse:

MMCRAV	chair rise: whether suitable chair available
MMCRRE	chair rise: single chair rise outcome
MMCRSC	chair rise: whether respondent feels it is safe to attempt
MMRRFTI	chair rise: time to complete 5 rises (seconds)
MMRROC	(d) chair rise: outcome of multiple chair rises, split b
MMRRRE	chair rise: outcome of multiple chair rises (number of r
MMRRSC	chair rise: whether respondent feels it is safe to attempt
MMRRTTI	chair rise: time to complete ten rises (seconds) - only

### Wave 4 Nurse:

MMCRAV	chair rise: whether suitable chair available
MMCRRE	chair rise: single chair rise outcome
MMCRSC	chair rise: whether respondent feels it is safe to attempt
MMRRFTI	chair rise: time to complete 5 rises (seconds)



MMRROC (d) chair rise: outcome of multiple chair rises, split b  
MMRRRE chair rise: outcome of multiple chair rises (number of r  
MMRRSC chair rise: whether respondent feels it is safe to attem  
MMRRTTI chair rise: time to complete ten rises (seconds) - only

## Wave 6 Nurse:

MMCRAV chairraise: whether suitable chair available  
MMCRRE chairraise: single chair rise outcome  
MMCRSC chairraise: whether respondent feels safe to attempt sin  
MMRRFTI chairraise: time to complete 5 rises (seconds)  
MMRROC (d) chair rise: outcome of multiple chair rises, split b  
MMRRRE chairraise: outcome of multiple chair rises (number of r  
MMRRSC chairraise: whether respondent feels safe to attempt mul  
MMRRTTI chairraise: time to complete 10 rises (seconds) - only e

<b>Chair Stand Tests: Reasons Didn't Complete</b>
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Wave	Variable	Label	Type
2	R2CHRSFT	r2chrsft:w2 r didn't complete chair stand: unsafe/health rea	Categ
4	R4CHRSFT	r4chrsft:w4 r didn't complete chair stand: unsafe/health rea	Categ
6	R6CHRSFT	r6chrsft:w6 r didn't complete chair stand: unsafe/health rea	Categ
2	S2CHRSFT	s2chrsft:w2 s didn't complete chair stand: unsafe/health rea	Categ
4	S4CHRSFT	s4chrsft:w4 s didn't complete chair stand: unsafe/health rea	Categ
6	S6CHRSFT	s6chrsft:w6 s didn't complete chair stand: unsafe/health rea	Categ
2	R2CHRREF	r2chrref:w2 r didn't complete chair stand: refused	Categ
4	R4CHRREF	r4chrref:w4 r didn't complete chair stand: refused	Categ
6	R6CHRREF	r6chrref:w6 r didn't complete chair stand: refused	Categ
2	S2CHRREF	s2chrref:w2 s didn't complete chair stand: refused	Categ
4	S4CHRREF	s4chrref:w4 s didn't complete chair stand: refused	Categ
6	S6CHRREF	s6chrref:w6 s didn't complete chair stand: refused	Categ
2	R2CHRTRYU	r2chrtryu:w2 r didn't complete chair stand: tried but unable	Categ
4	R4CHRTRYU	r4chrtryu:w4 r didn't complete chair stand: tried but unable	Categ
6	R6CHRTRYU	r6chrtryu:w6 r didn't complete chair stand: tried but unable	Categ
2	S2CHRTRYU	s2chrtryu:w2 s didn't complete chair stand: tried but unable	Categ
4	S4CHRTRYU	s4chrtryu:w4 s didn't complete chair stand: tried but unable	Categ
6	S6CHRTRYU	s6chrtryu:w6 s didn't complete chair stand: tried but unable	Categ
2	R2CHREQUP	r2chrequp:w2 r didn't complete chair stand: no suitable chai	Categ
4	R4CHREQUP	r4chrequp:w4 r didn't complete chair stand: no suitable chai	Categ
6	R6CHREQUP	r6chrequp:w6 r didn't complete chair stand: no suitable chai	Categ
2	S2CHREQUP	s2chrequp:w2 s didn't complete chair stand: no suitable chai	Categ
4	S4CHREQUP	s4chrequp:w4 s didn't complete chair stand: no suitable chai	Categ
6	S6CHREQUP	s6chrequp:w6 s didn't complete chair stand: no suitable chai	Categ
2	R2CHROTHR	r2chrothr:w2 r didn't complete chair stand: other reason	Categ
4	R4CHROTHR	r4chrothr:w4 r didn't complete chair stand: other reason	Categ
6	R6CHROTHR	r6chrothr:w6 r didn't complete chair stand: other reason	Categ
2	S2CHROTHR	s2chrothr:w2 s didn't complete chair stand: other reason	Categ
4	S4CHROTHR	s4chrothr:w4 s didn't complete chair stand: other reason	Categ
6	S6CHROTHR	s6chrothr:w6 s didn't complete chair stand: other reason	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2CHRSFT	1220	0.55	0.50	0.00	1.00
R4CHRSFT	1450	0.55	0.50	0.00	1.00
R6CHRSFT	1303	0.55	0.50	0.00	1.00
S2CHRSFT	598	0.59	0.49	0.00	1.00
S4CHRSFT	726	0.57	0.50	0.00	1.00
S6CHRSFT	635	0.60	0.49	0.00	1.00
R2CHRREF	1220	0.01	0.09	0.00	1.00
R4CHRREF	1450	0.01	0.09	0.00	1.00
R6CHRREF	1303	0.01	0.08	0.00	1.00
S2CHRREF	598	0.01	0.11	0.00	1.00

S4CHRREF	726	0.02	0.12	0.00	1.00
S6CHRREF	635	0.01	0.11	0.00	1.00
R2CHRTRYU	1220	0.13	0.34	0.00	1.00
R4CHRTRYU	1450	0.11	0.31	0.00	1.00
R6CHRTRYU	1303	0.07	0.26	0.00	1.00
S2CHRTRYU	598	0.15	0.36	0.00	1.00
S4CHRTRYU	726	0.11	0.31	0.00	1.00
S6CHRTRYU	635	0.08	0.27	0.00	1.00
R2CHREQUP	1220	0.31	0.46	0.00	1.00
R4CHREQUP	1450	0.34	0.47	0.00	1.00
R6CHREQUP	1303	0.36	0.48	0.00	1.00
S2CHREQUP	598	0.25	0.43	0.00	1.00
S4CHREQUP	726	0.30	0.46	0.00	1.00
S6CHREQUP	635	0.29	0.46	0.00	1.00
R2CHROTHR	1220	0.04	0.19	0.00	1.00
R4CHROTHR	1450	0.04	0.19	0.00	1.00
R6CHROTHR	1303	0.03	0.17	0.00	1.00
S2CHROTHR	598	0.05	0.22	0.00	1.00
S4CHROTHR	726	0.04	0.20	0.00	1.00
S6CHROTHR	635	0.04	0.21	0.00	1.00

**Categorical Variable Codes**

Value-----	R2CHRSFT	R4CHRSFT
.c:completed test	6445	7190
.d:DK	1	3
.s:skipped	1766	2407
0.no	551	654
1.yes	669	796

Value-----	R6CHRSFT
.c:completed test	6744
.d:DK	3
.m:Missing	1
.r:Refuse	3
.s:skipped	2547
0.no	589
1.yes	714

Value-----	S2CHRSFT	S4CHRSFT
.c:completed test	4324	5018
.d:DK		2
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	248	311
1.yes	350	415

Value-----	S6CHRSFT
.c:completed test	4681
.d:DK	2
.m:Missing	1
.r:Refuse	2
.s:skipped	1921
.u:Unmar	2802
.v:SP NR	557
0.no	256
1.yes	379

Value-----	R2CHRREF	R4CHRREF
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.c:completed test	6445	7190
.d:DK	1	3
.s:skipped	1766	2407
0.no	1210	1437
1.yes	10	13

Value-----	R6CHRREF
.c:completed test	6744
.d:DK	3
.m:Missing	1
.r:Refuse	3
.s:skipped	2547
0.no	1294
1.yes	9

Value-----	S2CHRREF	S4CHRREF
.c:completed test	4324	5018
.d:DK		2
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	591	715
1.yes	7	11

Value-----	S6CHRREF
.c:completed test	4681
.d:DK	2
.m:Missing	1
.r:Refuse	2
.s:skipped	1921
.u:Unmar	2802
.v:SP NR	557
0.no	627
1.yes	8

Value-----	R2CHRTRYU	R4CHRTRYU
.c:completed test	6445	7190
.d:DK	1	3
.s:skipped	1766	2407
0.no	1057	1296
1.yes	163	154

Value-----	R6CHRTRYU
.c:completed test	6744
.d:DK	3
.m:Missing	1
.r:Refuse	3
.s:skipped	2547
0.no	1209
1.yes	94

Value-----	S2CHRTRYU	S4CHRTRYU
.c:completed test	4324	5018
.d:DK		2
.s:skipped	1256	1656
.u:Unmar	2671	2932
.v:SP NR	583	716
0.no	507	649
1.yes	91	77

Value-----	S6CHRTRYU
.c:completed test	4681
.d:DK	2
.m:Missing	1
.r:Refuse	2
.s:skipped	1921
.u:Unmar	2802
.v:SP NR	557
0.no	584
1.yes	51

Value-----		R2CHREQUP	R4CHREQUP
.c:completed test		6445	7190
.d:DK		1	3
.s:skipped		1766	2407
0.no		842	960
1.yes		378	490
Value-----	R6CHREQUP		
.c:completed test	6744		
.d:DK	4		
.r:Refuse	3		
.s:skipped	2547		
0.no	835		
1.yes	468		
Value-----		S2CHREQUP	S4CHREQUP
.c:completed test		4324	5018
.d:DK			2
.s:skipped		1256	1656
.u:Unmar		2671	2932
.v:SP NR		583	716
0.no		449	505
1.yes		149	221
Value-----	S6CHREQUP		
.c:completed test	4681		
.d:DK	3		
.r:Refuse	2		
.s:skipped	1921		
.u:Unmar	2802		
.v:SP NR	557		
0.no	448		
1.yes	187		
Value-----		R2CHROTHR	R4CHROTHR
.c:completed test		6445	7190
.d:DK		1	3
.s:skipped		1766	2407
0.no		1175	1396
1.yes		45	54
Value-----	R6CHROTHR		
.c:completed test	6744		
.d:DK	3		
.m:Missing	1		
.r:Refuse	3		
.s:skipped	2547		
0.no	1263		
1.yes	40		

### General Comments:

Nurse visits were conducted with the whole sample in Waves 2, 4, and 6. Nurse visits were conducted with 50% of the sample in Wave 8 and the remaining 50% in Wave 9.

### How Constructed

RwCHRSFT, RwCHRREF, RwCHRTRYU, RwCHREQUP, and RwCHROTHR indicate the reasons for the respondent not completing the single or multiple chair stand tests as reported by the interviewer. The interviewer is asked to report all of the reasons the respondent did not complete each of the chair stand tests. RwCHRSFT indicates whether the respondent did not complete the chair stand tests because they could not hold the position unassisted, or the respondent or interviewer felt it would be unsafe. RwCHRREF indicates whether the respondent did not complete the chair stand tests because they refused. RwCHRTRYU indicates whether the respondent did not complete the chair stand tests because they tried but were unable to complete the tests. RwCHREQUP indicates whether the respondent did not complete the chair stand tests because there was no suitable chair available. RwCHROTHR indicates whether the respondent did not complete the chair stand tests because they could not understand the instructions, or for another reason. RwCHRSFT, RwCHRREF, RwCHRTRYU, RwCHREQUP, and RwCHROTHR are coded as 0 if the specific reason was not

given for the respondent not completing the chair stand tests, and are coded as 1 if the specific reason was given. Special missing .c is assigned if the respondent completed at least one of the chair stand tests. Special missing .s is assigned if the chair stand tests were skipped because the respondent did not participate in a nurse interview. Don't know, refuse, and other missing responses to RwCHRSFT, RwCHRREF, RwCHRTRYU, RwCHREQUP, and RwCHROTHR are set to special missing .d, .r, and .m, respectively. Responses are set to blank missing (.) when the respondent does not participate in the current wave.

SwCHRSFT, SwCHRREF, SwCHRTRYU, SwCHREQUP, and SwCHROTHR indicate the reasons for the respondent's current wave's spouse not completing the chair stand tests, and their values are taken from the spouse's values to RwCHRSFT, RwCHRREF, RwCHRTRYU, RwCHREQUP, and RwCHROTHR. In addition to the special missing codes employed by RwCHRSFT, RwCHRREF, RwCHRTRYU, RwCHREQUP, and RwCHROTHR, SwCHRSFT, SwCHRREF, SwCHRTRYU, SwCHREQUP, and SwCHROTHR employ two additional special missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

These variables are not available for Wave 8, as chair stand tests were not conducted.

### Cross Wave Differences in ELSA

These measurements are performed during the nurse interview in the 2nd, 4th, and 6th Waves of ELSA. These measurements were not obtained in Waves 8 or 9.

### Differences with the RAND HRS/Harmonized HRS

These tests are not completed in the HRS and so there are no corresponding variables to these in the Harmonized HRS.

### ELSA Variables Used

#### Wave 2 Nurse:

MMCRAV	chair rise: whether suitable chair available
MMCRNA	chair rise: reason single chair rise not attempted
MMCRRE	chair rise: single chair rise outcome
MMCRSC	chair rise: whether respondent feels it is safe to attempt
MMRRNA	chair rise: reason multiple chair rises not attempted
MMRRRE	chair rise: outcome of multiple chair rises (number of rises)
MMRRSC	chair rise: whether respondent feels it is safe to attempt

#### Wave 4 Nurse:

MMCRAV	chair rise: whether suitable chair available
MMCRNA	chair rise: reason single chair rise not attempted
MMCRRE	chair rise: single chair rise outcome
MMCRSC	chair rise: whether respondent feels it is safe to attempt
MMRRNA	chair rise: reason multiple chair rises not attempted
MMRRRE	chair rise: outcome of multiple chair rises (number of rises)
MMRRSC	chair rise: whether respondent feels it is safe to attempt

#### Wave 6 Nurse:

MMCRAV	chairraise: whether suitable chair available
MMCRNA	chairraise: reason why single chair rise not attempted
MMCRRE	chairraise: single chair rise outcome
MMCRSC	chairraise: whether respondent feels safe to attempt sin
MMRRNA	chairraise: reason why multiple chair rises not attempte
MMRRRE	chairraise: outcome of multiple chair rises (number of r
MMRRSC	chairraise: whether respondent feels safe to attempt mul

## **Section L: Assistance and Caregiving**

<b>Activities of Daily Living: Whether Receives Care for ADLs</b>
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Wave	Variable	Label	Type
6	R6DRESSHLP	r6dresshlp:w6 whether anyone helps r dress	Categ
7	R7DRESSHLP	r7dresshlp:w7 whether anyone helps r dress	Categ
8	R8DRESSHLP	r8dresshlp:w8 whether anyone helps r dress	Categ
9	R9DRESSHLP	r9dresshlp:w9 whether anyone helps r dress	Categ
6	S6DRESSHLP	s6dresshlp:w6 whether anyone helps s dress	Categ
7	S7DRESSHLP	s7dresshlp:w7 whether anyone helps s dress	Categ
8	S8DRESSHLP	s8dresshlp:w8 whether anyone helps s dress	Categ
9	S9DRESSHLP	s9dresshlp:w9 whether anyone helps s dress	Categ
6	R6WALKHLP	r6walkhlp:w6 whether anyone helps r walk	Categ
7	R7WALKHLP	r7walkhlp:w7 whether anyone helps r walk	Categ
8	R8WALKHLP	r8walkhlp:w8 whether anyone helps r walk	Categ
9	R9WALKHLP	r9walkhlp:w9 whether anyone helps r walk	Categ
6	S6WALKHLP	s6walkhlp:w6 whether anyone helps s walk	Categ
7	S7WALKHLP	s7walkhlp:w7 whether anyone helps s walk	Categ
8	S8WALKHLP	s8walkhlp:w8 whether anyone helps s walk	Categ
9	S9WALKHLP	s9walkhlp:w9 whether anyone helps s walk	Categ
6	R6BATHEHLP	r6bathehlp:w6 whether anyone helps r bathe	Categ
7	R7BATHEHLP	r7bathehlp:w7 whether anyone helps r bathe	Categ
8	R8BATHEHLP	r8bathehlp:w8 whether anyone helps r bathe	Categ
9	R9BATHEHLP	r9bathehlp:w9 whether anyone helps r bathe	Categ
6	S6BATHEHLP	s6bathehlp:w6 whether anyone helps s bathe	Categ
7	S7BATHEHLP	s7bathehlp:w7 whether anyone helps s bathe	Categ
8	S8BATHEHLP	s8bathehlp:w8 whether anyone helps s bathe	Categ
9	S9BATHEHLP	s9bathehlp:w9 whether anyone helps s bathe	Categ
6	R6EATHLP	r6eathlp:w6 whether anyone helps r eat	Categ
7	R7EATHLP	r7eathlp:w7 whether anyone helps r eat	Categ
8	R8EATHLP	r8eathlp:w8 whether anyone helps r eat	Categ
9	R9EATHLP	r9eathlp:w9 whether anyone helps r eat	Categ
6	S6EATHLP	s6eathlp:w6 whether anyone helps s eat	Categ
7	S7EATHLP	s7eathlp:w7 whether anyone helps s eat	Categ
8	S8EATHLP	s8eathlp:w8 whether anyone helps s eat	Categ
9	S9EATHLP	s9eathlp:w9 whether anyone helps s eat	Categ
6	R6BEDHLP	r6bedhlp:w6 whether anyone helps r get in/out of bed	Categ
7	R7BEDHLP	r7bedhlp:w7 whether anyone helps r get in/out of bed	Categ
8	R8BEDHLP	r8bedhlp:w8 whether anyone helps r get in/out of bed	Categ
9	R9BEDHLP	r9bedhlp:w9 whether anyone helps r get in/out of bed	Categ
6	S6BEDHLP	s6bedhlp:w6 whether anyone helps s get in/out of bed	Categ
7	S7BEDHLP	s7bedhlp:w7 whether anyone helps s get in/out of bed	Categ
8	S8BEDHLP	s8bedhlp:w8 whether anyone helps s get in/out of bed	Categ
9	S9BEDHLP	s9bedhlp:w9 whether anyone helps s get in/out of bed	Categ
6	R6TOILETHLP	r6toilethlp:w6 whether anyone helps r use the toilet	Categ
7	R7TOILETHLP	r7toilethlp:w7 whether anyone helps r use the toilet	Categ
8	R8TOILETHLP	r8toilethlp:w8 whether anyone helps r use the toilet	Categ
9	R9TOILETHLP	r9toilethlp:w9 whether anyone helps r use the toilet	Categ
6	S6TOILETHLP	s6toilethlp:w6 whether anyone helps s use the toilet	Categ
7	S7TOILETHLP	s7toilethlp:w7 whether anyone helps s use the toilet	Categ



8	S8TOILETHLP	s8toilethlp:w8	whether anyone helps s use the toilet	Categ
9	S9TOILETHLP	s9toilethlp:w9	whether anyone helps s use the toilet	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R6DRESSHLP	1381	0.47	0.50	0.00	1.00
R7DRESSHLP	1206	0.49	0.50	0.00	1.00
R8DRESSHLP	1137	0.47	0.50	0.00	1.00
R9DRESSHLP	1143	0.50	0.50	0.00	1.00
S6DRESSHLP	847	0.55	0.50	0.00	1.00
S7DRESSHLP	719	0.56	0.50	0.00	1.00
S8DRESSHLP	674	0.56	0.50	0.00	1.00
S9DRESSHLP	670	0.60	0.49	0.00	1.00
R6WALKHLP	426	0.41	0.49	0.00	1.00
R7WALKHLP	411	0.40	0.49	0.00	1.00
R8WALKHLP	360	0.40	0.49	0.00	1.00
R9WALKHLP	370	0.42	0.49	0.00	1.00
S6WALKHLP	226	0.51	0.50	0.00	1.00
S7WALKHLP	216	0.46	0.50	0.00	1.00
S8WALKHLP	189	0.48	0.50	0.00	1.00
S9WALKHLP	186	0.51	0.50	0.00	1.00
R6BATHEHLP	1022	0.53	0.50	0.00	1.00
R7BATHEHLP	895	0.53	0.50	0.00	1.00
R8BATHEHLP	808	0.52	0.50	0.00	1.00
R9BATHEHLP	789	0.53	0.50	0.00	1.00
S6BATHEHLP	534	0.60	0.49	0.00	1.00
S7BATHEHLP	477	0.60	0.49	0.00	1.00
S8BATHEHLP	450	0.60	0.49	0.00	1.00
S9BATHEHLP	420	0.61	0.49	0.00	1.00
R6EATHLP	318	0.69	0.46	0.00	1.00
R7EATHLP	283	0.70	0.46	0.00	1.00
R8EATHLP	266	0.69	0.46	0.00	1.00
R9EATHLP	270	0.70	0.46	0.00	1.00
S6EATHLP	176	0.76	0.43	0.00	1.00
S7EATHLP	147	0.83	0.38	0.00	1.00
S8EATHLP	159	0.77	0.42	0.00	1.00
S9EATHLP	160	0.78	0.41	0.00	1.00
R6BEDHLP	680	0.39	0.49	0.00	1.00
R7BEDHLP	607	0.43	0.50	0.00	1.00
R8BEDHLP	517	0.43	0.50	0.00	1.00
R9BEDHLP	567	0.41	0.49	0.00	1.00
S6BEDHLP	409	0.46	0.50	0.00	1.00
S7BEDHLP	357	0.48	0.50	0.00	1.00
S8BEDHLP	298	0.51	0.50	0.00	1.00
S9BEDHLP	330	0.48	0.50	0.00	1.00
R6TOILETHLP	385	0.39	0.49	0.00	1.00
R7TOILETHLP	383	0.39	0.49	0.00	1.00
R8TOILETHLP	369	0.41	0.49	0.00	1.00
R9TOILETHLP	367	0.37	0.48	0.00	1.00
S6TOILETHLP	220	0.44	0.50	0.00	1.00

S7TOILETHLP	209	0.44	0.50	0.00	1.00
S8TOILETHLP	207	0.45	0.50	0.00	1.00
S9TOILETHLP	199	0.40	0.49	0.00	1.00

### Categorical Variable Codes

Value-----	R6DRESSHLP	R7DRESSHLP	R8DRESSHLP	R9DRESSHLP
.d:DK	2	2	1	4
.n:institutional ivw	61	52	34	49
.r:Refuse	3		2	1
.x:no difficulty	9154	8406	7271	7539
0.no	730	617	604	572
1.yes	651	589	533	571

Value-----	S6DRESSHLP	S7DRESSHLP	S8DRESSHLP	S9DRESSHLP
.d:DK	1	2		2
.r:Refuse	2		2	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.x:no difficulty	6392	5839	5012	5148
0.no	383	318	294	270
1.yes	464	401	380	400

Value-----	R6WALKHLP	R7WALKHLP	R8WALKHLP	R9WALKHLP
.d:DK	2	3	2	3
.n:institutional ivw	45	39	30	32
.r:Refuse	3		2	2
.x:no difficulty	10125	9213	8051	8329
0.no	251	245	217	215
1.yes	175	166	143	155

Value-----	S6WALKHLP	S7WALKHLP	S8WALKHLP	S9WALKHLP
.d:DK	1	2		2
.r:Refuse	2		2	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.x:no difficulty	7013	6342	5497	5632
0.no	110	117	98	91
1.yes	116	99	91	95

Value-----	R6BATHEHLP	R7BATHEHLP	R8BATHEHLP	R9BATHEHLP
.d:DK	2	2		4
.n:institutional ivw	68	56	42	49
.r:Refuse	3		2	1
.x:no difficulty	9506	8713	7593	7893
0.no	480	424	385	371
1.yes	542	471	423	418

Value-----	S6BATHEHLP	S7BATHEHLP	S8BATHEHLP	S9BATHEHLP
.d:DK	1	2		2
.r:Refuse	2		2	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.x:no difficulty	6705	6081	5236	5398
0.no	211	191	179	162
1.yes	323	286	271	258

Value-----	R6EATHLP	R7EATHLP	R8EATHLP	R9EATHLP
.d:DK	2	2		4
.n:institutional ivw	37	34	20	29
.r:Refuse	3		2	1
.x:no difficulty	10241	9347	8157	8432
0.no	99	85	82	80
1.yes	219	198	184	190

Value-----	S6EATHLP	S7EATHLP	S8EATHLP	S9EATHLP
.d:DK	1	2		3
.r:Refuse	2		2	
.u:Unmar	2802	2548	2255	2286

.v:SP NR	557	558	502	630
.x:no difficulty	7063	6411	5527	5657
0.no	42	25	37	35
1.yes	134	122	122	125
Value-----	R6BEDHLP	R7BEDHLP	R8BEDHLP	R9BEDHLP
.d:DK	2	2		4
.n:institutional ivw	46	40	27	37
.r:Refuse	3		2	1
.x:no difficulty	9870	9017	7899	8127
0.no	417	347	295	337
1.yes	263	260	222	230
Value-----	S6BEDHLP	S7BEDHLP	S8BEDHLP	S9BEDHLP
.d:DK	1	2		2
.r:Refuse	2		2	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.x:no difficulty	6830	6201	5388	5488
0.no	222	186	147	172
1.yes	187	171	151	158
Value-----	R6TOILETHLP	R7TOILETHLP	R8TOILETHLP	R9TOILETHLP
.d:DK	2	2		3
.n:institutional ivw	48	40	27	41
.r:Refuse	3		2	1
.x:no difficulty	10163	9241	8047	8324
0.no	235	235	218	231
1.yes	150	148	151	136
Value-----	S6TOILETHLP	S7TOILETHLP	S8TOILETHLP	S9TOILETHLP
.d:DK	1	2		2
.r:Refuse	2		2	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.x:no difficulty	7019	6349	5479	5619
0.no	124	117	114	119
1.yes	96	92	93	80

## How Constructed

RwDRESSHLP, RwWALKHLP, RwbATHEHLP, RWEATHLP, RwbEDHLP, and RwtOILETHLP indicate whether anyone helps the respondent with each ADL. Respondents are first asked whether they have difficulty with each ADL, IADL, or mobility activity, and if they have difficulty with at least one of these activities, then they are asked whether anyone helps them with each activity. RwDRESSHLP indicates whether anyone helps the respondent dress, including putting on shoes and socks. RwWALKHLP indicates whether anyone helps the respondent walk across a room. RwbATHEHLP indicates whether anyone helps the respondent bathe or shower. RWEATHLP indicates whether anyone helps the respondent eat, such as cutting up food. RwbEDHLP indicates whether anyone helps the respondent get in or out of bed. RwtOILETHLP indicates whether anyone helps the respondent use the toilet, including getting up or down. These variables are coded as 1 if someone helps the respondent with the ADL. These variables are coded as 0 if nobody helps the respondent with the ADL and the respondent has difficulty with the ADL. These variables are assigned special missing .x if they have no difficulty with any ADL, IADL, or mobility activity, or if they have difficulty with an activity but not the ADL activity in question. These questions are asked starting in Wave 6, and these variables are coded as special missing .n if these questions were skipped because the respondent was in an institution at the time of the interview. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, and .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

SwDRESSHLP, SwWALKHLP, SwbATHEHLP, SwEATHLP, SwbEDHLP, and SwtOILETHLP indicate whether anyone helps the respondent's current wave's spouse with the associated ADL. These values are taken from RwDRESSHLP, RwWALKHLP, RwbATHEHLP, RWEATHLP, RwbEDHLP, and RwtOILETHLP. In addition to the special missing codes employed by RwDRESSHLP, RwWALKHLP, RwbATHEHLP, RWEATHLP, RwbEDHLP, and RwtOILETHLP, SwDRESSHLP, SwWALKHLP, SwbATHEHLP, SwEATHLP, SwbEDHLP, and SwtOILETHLP employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

These questions are asked starting in Wave 6.

## Differences with the RAND HRS/Harmonized HRS

In the HRS, respondents are generally only asked if they receive help with an activity if the respondent reports difficulty with that particular activity. While in the ELSA, respondents are asked if they receive help with each activity if they report difficulty with at least one ADL, IADL, or mobility activity. As such, RWDRESSH, RWALKRH, RWBATHH, RWEATH, RWBEDH, and RWTOILTH in the RAND HRS are only available for those who report having difficulty with the particular activity. These variables in the Harmonized ELSA have been adjusted to be as comparable as possible to those in the RAND HRS, but would be assigned a positive response of 1 if the respondent reported receiving help with the activity even if they did not report difficulty with the activity.

## ELSA Variables Used

### Wave 6 Core:

CATKD	received help in last month: dressing, including putting
CATKE	received help in last month: walking across a room
CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including
HEADL96	adl&iadl: whether said had none of listed difficulties
HEADLBA	adl: difficulty bathing or showering
HEADLBE	adl: difficulty getting in and out of bed
HEADLDR	adl: difficulty dressing, including putting on shoes and
HEADLEA	adl: difficulty eating, such as cutting up food
HEADLWA	adl: difficulty walking across a room
HEADLWC	adl: difficulty using the toilet, including getting up o
HEMOB96	mobility: whether said had none of listed difficulties

### Wave 7 Core:

CATKD	received help in last month: dressing, including putting
CATKE	received help in last month: walking across a room
CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including
HEADL96	adl&iadl: whether said had none of listed difficulties
HEADLBA	adl: difficulty bathing or showering
HEADLBE	adl: difficulty getting in and out of bed
HEADLDR	adl: difficulty dressing, including putting on shoes and
HEADLEA	adl: difficulty eating, such as cutting up food
HEADLWA	adl: difficulty walking across a room
HEADLWC	adl: difficulty using the toilet, including getting up o
HEMOB96	mobility: whether said had none of listed difficulties

### Wave 8 Core:

CATKD	whether received help last month: dressing, including pu
CATKE	whether received help last month: walking across a room
CATKF	whether received help last month: bathing or showering
CATKG	whether received help last month: eating, such as cuttin
CATKH	whether received help last month: getting in and out of
CATKI	whether received help last month: using the toilet, incl
HEADL96	adl&iadl: difficulty with none of these
HEADLBA	adl: difficulty bathing or showering
HEADLBE	adl: difficulty getting in and out of bed
HEADLDR	adl: difficulty dressing, including putting on shoes and
HEADLEA	adl: difficulty eating, such as cutting up food
HEADLWA	adl: difficulty walking across a room
HEADLWC	adl: difficulty using the toilet, including getting up o

HEMOB96 mobility: difficulty with none of these

Wave 9 Core:

CATKD Whether received help last month: dressing, including pu

CATKE Whether received help last month: walking across a room

CATKF Whether received help last month: bathing or showering

CATKG Whether received help last month: eating, such as cuttin

CATKH Whether received help last month: getting in and out of

CATKI Whether received help last month: using the toilet, incl

HEADL96 ADL&IADL: difficulty with none of these

HEADLBA ADL: difficulty bathing or showering

HEADLBE ADL: difficulty getting in and out of bed

HEADLDR ADL: difficulty dressing, including putting on shoes and

HEADLEA ADL: difficulty eating, such as cutting up food

HEADLWA ADL: difficulty walking across a room

HEADLWC ADL: difficulty using the toilet, including getting up o

HEMOB96 Mobility: difficulty with none of these

<b>Instrumental Activities of Daily Living: Whether Receives Care for IADLs</b>
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Wave	Variable	Label	Type
6	R6SHOPHLP	r6shophlp:w6 whether anyone helps r with grocery shopping	Categ
7	R7SHOPHLP	r7shophlp:w7 whether anyone helps r with grocery shopping	Categ
8	R8SHOPHLP	r8shophlp:w8 whether anyone helps r with grocery shopping	Categ
9	R9SHOPHLP	r9shophlp:w9 whether anyone helps r with grocery shopping	Categ
6	S6SHOPHLP	s6shophlp:w6 whether anyone helps s with grocery shopping	Categ
7	S7SHOPHLP	s7shophlp:w7 whether anyone helps s with grocery shopping	Categ
8	S8SHOPHLP	s8shophlp:w8 whether anyone helps s with grocery shopping	Categ
9	S9SHOPHLP	s9shophlp:w9 whether anyone helps s with grocery shopping	Categ
6	R6MEDHLP	r6medhlp:w6 whether anyone helps r with taking medication	Categ
7	R7MEDHLP	r7medhlp:w7 whether anyone helps r with taking medication	Categ
8	R8MEDHLP	r8medhlp:w8 whether anyone helps r with taking medication	Categ
9	R9MEDHLP	r9medhlp:w9 whether anyone helps r with taking medication	Categ
6	S6MEDHLP	s6medhlp:w6 whether anyone helps s with taking medication	Categ
7	S7MEDHLP	s7medhlp:w7 whether anyone helps s with taking medication	Categ
8	S8MEDHLP	s8medhlp:w8 whether anyone helps s with taking medication	Categ
9	S9MEDHLP	s9medhlp:w9 whether anyone helps s with taking medication	Categ
6	R6HSWKHLP	r6hswkhlp:w6 whether anyone helps r with housework	Categ
7	R7HSWKHLP	r7hswkhlp:w7 whether anyone helps r with housework	Categ
8	R8HSWKHLP	r8hswkhlp:w8 whether anyone helps r with housework	Categ
9	R9HSWKHLP	r9hswkhlp:w9 whether anyone helps r with housework	Categ
6	S6HSWKHLP	s6hswkhlp:w6 whether anyone helps s with housework	Categ
7	S7HSWKHLP	s7hswkhlp:w7 whether anyone helps s with housework	Categ
8	S8HSWKHLP	s8hswkhlp:w8 whether anyone helps s with housework	Categ
9	S9HSWKHLP	s9hswkhlp:w9 whether anyone helps s with housework	Categ
6	R6MONEYHLP	r6moneyhlp:w6 whether anyone helps r with managing money	Categ
7	R7MONEYHLP	r7moneyhlp:w7 whether anyone helps r with managing money	Categ
8	R8MONEYHLP	r8moneyhlp:w8 whether anyone helps r with managing money	Categ
9	R9MONEYHLP	r9moneyhlp:w9 whether anyone helps r with managing money	Categ
6	S6MONEYHLP	s6moneyhlp:w6 whether anyone helps s with managing money	Categ
7	S7MONEYHLP	s7moneyhlp:w7 whether anyone helps s with managing money	Categ
8	S8MONEYHLP	s8moneyhlp:w8 whether anyone helps s with managing money	Categ
9	S9MONEYHLP	s9moneyhlp:w9 whether anyone helps s with managing money	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R6SHOPHLP	1408	0.86	0.34	0.00	1.00
R7SHOPHLP	1237	0.88	0.32	0.00	1.00
R8SHOPHLP	1109	0.84	0.36	0.00	1.00
R9SHOPHLP	1049	0.88	0.33	0.00	1.00
S6SHOPHLP	688	0.87	0.34	0.00	1.00
S7SHOPHLP	607	0.86	0.34	0.00	1.00
S8SHOPHLP	549	0.83	0.37	0.00	1.00
S9SHOPHLP	515	0.87	0.34	0.00	1.00
R6MEDHLP	349	0.86	0.35	0.00	1.00
R7MEDHLP	336	0.86	0.35	0.00	1.00
R8MEDHLP	323	0.86	0.35	0.00	1.00

R9MEDHLP	354	0.85	0.35	0.00	1.00
S6MEDHLP	217	0.89	0.31	0.00	1.00
S7MEDHLP	203	0.86	0.35	0.00	1.00
S8MEDHLP	197	0.88	0.33	0.00	1.00
S9MEDHLP	217	0.89	0.31	0.00	1.00
R6HSWKHLP	2020	0.75	0.43	0.00	1.00
R7HSWKHLP	1797	0.78	0.41	0.00	1.00
R8HSWKHLP	1664	0.76	0.43	0.00	1.00
R9HSWKHLP	1565	0.75	0.43	0.00	1.00
S6HSWKHLP	1041	0.71	0.45	0.00	1.00
S7HSWKHLP	918	0.77	0.42	0.00	1.00
S8HSWKHLP	874	0.75	0.43	0.00	1.00
S9HSWKHLP	791	0.73	0.45	0.00	1.00
R6MONEYHLP	498	0.86	0.35	0.00	1.00
R7MONEYHLP	437	0.88	0.32	0.00	1.00
R8MONEYHLP	401	0.88	0.33	0.00	1.00
R9MONEYHLP	426	0.88	0.33	0.00	1.00
S6MONEYHLP	244	0.87	0.34	0.00	1.00
S7MONEYHLP	223	0.89	0.32	0.00	1.00
S8MONEYHLP	231	0.90	0.31	0.00	1.00
S9MONEYHLP	235	0.86	0.35	0.00	1.00

### Categorical Variable Codes

Value-----	R6SHOPHLP	R7SHOPHLP	R8SHOPHLP	R9SHOPHLP
.d:DK	3	3		3
.n:institutional ivw	68	57	51	51
.r:Refuse	3		2	1
.x:no difficulty	9119	8369	7283	7632
0.no	191	148	175	131
1.yes	1217	1089	934	918

Value-----	S6SHOPHLP	S7SHOPHLP	S8SHOPHLP	S9SHOPHLP
.d:DK	2	2		2
.r:Refuse	2		2	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.x:no difficulty	6550	5951	5137	5303
0.no	92	83	91	69
1.yes	596	524	458	446

Value-----	R6MEDHLP	R7MEDHLP	R8MEDHLP	R9MEDHLP
.d:DK	2	2		4
.n:institutional ivw	54	50	40	49
.r:Refuse	3		2	2
.x:no difficulty	10193	9278	8080	8327
0.no	49	47	45	52
1.yes	300	289	278	302

Value-----	S6MEDHLP	S7MEDHLP	S8MEDHLP	S9MEDHLP
.d:DK	1	2		2
.r:Refuse	2		2	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.x:no difficulty	7022	6355	5489	5601
0.no	23	28	24	23
1.yes	194	175	173	194

Value-----	R6HSWKHLP	R7HSWKHLP	R8HSWKHLP	R9HSWKHLP
.d:DK	2	3		4
.n:institutional ivw	67	57	48	47

.r:Refuse	3		2	2
.x:no difficulty	8509	7809	6731	7118
0.no	495	392	399	386
1.yes	1525	1405	1265	1179
Value-----	S6HSWKHLP	S7HSWKHLP	S8HSWKHLP	S9HSWKHLP
.d:DK	1	2		2
.r:Refuse	2		2	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.x:no difficulty	6198	5640	4812	5027
0.no	304	214	217	216
1.yes	737	704	657	575
Value-----	R6MONEYHLP	R7MONEYHLP	R8MONEYHLP	R9MONEYHLP
.d:DK	2	3		5
.n:institutional ivw	65	52	44	48
.r:Refuse	3		2	2
.x:no difficulty	10033	9174	7998	8255
0.no	71	52	48	53
1.yes	427	385	353	373
Value-----	S6MONEYHLP	S7MONEYHLP	S8MONEYHLP	S9MONEYHLP
.d:DK	1	2		3
.r:Refuse	2		2	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.x:no difficulty	6995	6335	5455	5582
0.no	32	25	24	33
1.yes	212	198	207	202

## How Constructed

RwSHOPHLP, RwMEDHLP, RwHSWKHLP, and RwmONEYHLP indicate whether anyone helps the respondent with each IADL. Respondents are first asked whether they have difficulty with each ADL, IADL, or mobility activity, and if they have difficulty with at least one of these activities, then they are asked whether anyone helps them with each activity. RwSHOPHLP indicates whether anyone helps the respondent shop for groceries. RwMEDHLP indicates whether anyone helps the respondent with taking medications. RwHSWKHLP indicates whether anyone helps the respondent do work around the house or garden. RwmONEYHLP indicates whether anyone helps the respondent manage their money, such as paying bills and keeping track of expenses. These variables are coded as 1 if someone helps the respondent with the IADL. These variables are coded as 0 if nobody helps the respondent with the IADL and the respondent has difficulty with the IADL. These variables are assigned special missing .x if they have no difficulty with any ADL, IADL, or mobility activity, or if they have difficulty with an activity but not the IADL activity in question. These questions are asked starting in Wave 6, and they are coded as special missing .n if these questions were skipped because the respondent was in an institution at the time of the interview. Don't know, refused, or other missing responses are assigned special missing codes .d, .r, and .m, respectively. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

SwSHOPHLP, SwMEDHLP, SwHSWKHLP, and SwmONEYHLP indicate whether anyone helps the respondent's current wave's spouse with the associated IADL. These values are taken from RwSHOPHLP, RwMEDHLP, RwHSWKHLP, and RwmONEYHLP. In addition to the special missing codes employed by RwSHOPHLP, RwMEDHLP, RwHSWKHLP, and RwmONEYHLP, SwSHOPHLP, SwMEDHLP, SwHSWKHLP, and SwmONEYHLP employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

These questions are asked starting in Wave 6.

## Differences with the RAND HRS/Harmonized HRS

In the HRS, respondents are generally only asked if they receive help with an activity if the respondent reports difficulty with that particular activity. While in the ELSA, respondents are asked if they



receive help with each activity if they report difficulty with at least one ADL, IADL, or mobility activity. As such, these variables in the Harmonized HRS are only available for those who report having difficulty with the particular activity. These variables in the Harmonized ELSA have been adjusted to be as comparable as possible to those in the Harmonized HRS, but would be assigned a positive response of 1 if the respondent reported receiving help with the activity even if they did not report difficulty with the activity.

The Harmonized HRS includes RwMEALHLP and RwPHONEHLP, indicating receiving help with preparing hot meals and using the telephone, which are not asked in the ELSA. The Harmonized ELSA includes RwHSWKHLP, indicating receiving help with housework, which is not asked in the HRS.

## ELSA Variables Used

### Wave 6 Core:

CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEADLHO	doing work around the house or garden
HEADLME	iadl: difficulty taking medications
HEADLMO	managing money, such as paying bills and keeping track
HEADLSH	iadl: difficulty shopping for groceries
HEMOB96	mobility: whether said had none of listed difficulties

### Wave 7 Core:

CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEADLHO	doing work around the house or garden
HEADLME	iadl: difficulty taking medications
HEADLMO	managing money, such as paying bills and keeping track
HEADLSH	iadl: difficulty shopping for groceries
HEMOB96	mobility: whether said had none of listed difficulties

### Wave 8 Core:

CATKJ	whether received help last month: shopping for groceries
CATKK	whether received help last month: taking medications
CATKL	whether received help last month: doing work around the
CATKM	whether received help last month: managing money, such a
HEADL96	adl&iadl: difficulty with none of these
HEADLHO	iadl: difficulty doing work around house and garden
HEADLME	iadl: difficulty taking medications
HEADLMO	iadl: difficulty managing money, e.g. paying bills, keep
HEADLSH	iadl: difficulty shopping for groceries
HEMOB96	mobility: difficulty with none of these

### Wave 9 Core:

CATKJ	Whether received help last month: shopping for groceries
CATKK	Whether received help last month: taking medications
CATKL	Whether received help last month: doing work around the
CATKM	Whether received help last month: managing money, such a
HEADL96	ADL&IADL: difficulty with none of these
HEADLHO	IADL: difficulty doing work around house and garden
HEADLME	IADL: difficulty taking medications
HEADLMO	IADL: difficulty managing money, e.g. paying bills, keep
HEADLSH	IADL: difficulty shopping for groceries
HEMOB96	Mobility: difficulty with none of these

<b>Whether Uses Personal Aids</b>
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Wave	Variable	Label	Type
1	R1WALKRE	r1walkre:w1 r uses walking aid	Categ
2	R2WALKRE	r2walkre:w2 r uses walking aid	Categ
3	R3WALKRE	r3walkre:w3 r uses walking aid	Categ
4	R4WALKRE	r4walkre:w4 r uses walking aid	Categ
5	R5WALKRE	r5walkre:w5 r uses walking aid	Categ
6	R6WALKRE	r6walkre:w6 r uses walking aid	Categ
7	R7WALKRE	r7walkre:w7 r uses walking aid	Categ
8	R8WALKRE	r8walkre:w8 r uses walking aid	Categ
9	R9WALKRE	r9walkre:w9 r uses walking aid	Categ
1	S1WALKRE	s1walkre:w1 s uses walking aid	Categ
2	S2WALKRE	s2walkre:w2 s uses walking aid	Categ
3	S3WALKRE	s3walkre:w3 s uses walking aid	Categ
4	S4WALKRE	s4walkre:w4 s uses walking aid	Categ
5	S5WALKRE	s5walkre:w5 s uses walking aid	Categ
6	S6WALKRE	s6walkre:w6 s uses walking aid	Categ
7	S7WALKRE	s7walkre:w7 s uses walking aid	Categ
8	S8WALKRE	s8walkre:w8 s uses walking aid	Categ
9	S9WALKRE	s9walkre:w9 s uses walking aid	Categ
1	R1EATE	r1eate:w1 r uses eating aid	Categ
2	R2EATE	r2eate:w2 r uses eating aid	Categ
3	R3EATE	r3eate:w3 r uses eating aid	Categ
4	R4EATE	r4eate:w4 r uses eating aid	Categ
5	R5EATE	r5eate:w5 r uses eating aid	Categ
6	R6EATE	r6eate:w6 r uses eating aid	Categ
7	R7EATE	r7eate:w7 r uses eating aid	Categ
8	R8EATE	r8eate:w8 r uses eating aid	Categ
9	R9EATE	r9eate:w9 r uses eating aid	Categ
1	S1EATE	s1eate:w1 s uses eating aid	Categ
2	S2EATE	s2eate:w2 s uses eating aid	Categ
3	S3EATE	s3eate:w3 s uses eating aid	Categ
4	S4EATE	s4eate:w4 s uses eating aid	Categ
5	S5EATE	s5eate:w5 s uses eating aid	Categ
6	S6EATE	s6eate:w6 s uses eating aid	Categ
7	S7EATE	s7eate:w7 s uses eating aid	Categ
8	S8EATE	s8eate:w8 s uses eating aid	Categ
9	S9EATE	s9eate:w9 s uses eating aid	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WALKRE	6896	0.28	0.45	0.00	1.00
R2WALKRE	5679	0.30	0.46	0.00	1.00
R3WALKRE	5503	0.30	0.46	0.00	1.00
R4WALKRE	6210	0.30	0.46	0.00	1.00
R5WALKRE	5847	0.32	0.47	0.00	1.00
R6WALKRE	5810	0.33	0.47	0.00	1.00
R7WALKRE	5217	0.35	0.48	0.00	1.00
R8WALKRE	4804	0.35	0.48	0.00	1.00
R9WALKRE	4662	0.35	0.48	0.00	1.00
S1WALKRE	4242	0.23	0.42	0.00	1.00
S2WALKRE	3442	0.24	0.43	0.00	1.00
S3WALKRE	3254	0.24	0.43	0.00	1.00

S4WALKRE	3774	0.24	0.43	0.00	1.00
S5WALKRE	3589	0.25	0.43	0.00	1.00
S6WALKRE	3624	0.26	0.44	0.00	1.00
S7WALKRE	3215	0.27	0.44	0.00	1.00
S8WALKRE	2969	0.28	0.45	0.00	1.00
S9WALKRE	2847	0.28	0.45	0.00	1.00
R1EATE	6896	0.01	0.07	0.00	1.00
R2EATE	5679	0.00	0.07	0.00	1.00
R3EATE	5503	0.01	0.07	0.00	1.00
R4EATE	6210	0.01	0.08	0.00	1.00
R5EATE	5847	0.00	0.07	0.00	1.00
R6EATE	5737	0.01	0.08	0.00	1.00
R7EATE	5137	0.01	0.08	0.00	1.00
R8EATE	4725	0.01	0.08	0.00	1.00
R9EATE	4596	0.01	0.09	0.00	1.00
S1EATE	4242	0.00	0.07	0.00	1.00
S2EATE	3442	0.00	0.07	0.00	1.00
S3EATE	3254	0.00	0.07	0.00	1.00
S4EATE	3774	0.01	0.07	0.00	1.00
S5EATE	3589	0.00	0.06	0.00	1.00
S6EATE	3581	0.00	0.06	0.00	1.00
S7EATE	3172	0.00	0.07	0.00	1.00
S8EATE	2922	0.01	0.08	0.00	1.00
S9EATE	2806	0.00	0.07	0.00	1.00

**Categorical Variable Codes**

Value-----	R1WALKRE	R2WALKRE	R3WALKRE	R4WALKRE	R5WALKRE
.d:DK	13	3		3	3
.m:Missing			8		
.p:proxy	175				
.r:Refuse	4	2		7	6
.x:no difficulty	5011	3748	4255	4830	4418
0.no	4946	3971	3840	4340	3948
1.yes	1950	1708	1663	1870	1899

Value-----	R6WALKRE	R7WALKRE	R8WALKRE	R9WALKRE
.d:DK	1	1		3
.r:Refuse	3	1	1	
.x:no difficulty	4787	4447	3640	4071
0.no	3866	3402	3103	3043
1.yes	1944	1815	1701	1619

Value-----	S1WALKRE	S2WALKRE	S3WALKRE	S4WALKRE	S5WALKRE
.d:DK	9	2		2	3
.m:Missing			4		
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:no difficulty	3694	2733	3126	3620	3368
0.no	3258	2603	2478	2867	2687
1.yes	984	839	776	907	902

Value-----	S6WALKRE	S7WALKRE	S8WALKRE	S9WALKRE
.d:DK		1		3
.r:Refuse	2	1	1	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.x:no difficulty	3616	3343	2718	2970
0.no	2678	2341	2128	2056
1.yes	946	874	841	791

Value-----	R1EATE	R2EATE	R3EATE	R4EATE	R5EATE
------------	--------	--------	--------	--------	--------

.d:DK	13	3		3	3
.m:Missing			8		
.p:proxy	175				
.r:Refuse	4	2		7	6
.x:no difficulty	5011	3748	4255	4830	4418
0.no	6857	5654	5474	6174	5819
1.yes	39	25	29	36	28
Value-----	R6EATE	R7EATE	R8EATE	R9EATE	
.d:DK	1	1		3	
.r:Refuse	3	1	1		
.x:no difficulty	4860	4527	3719	4137	
0.no	5701	5106	4691	4559	
1.yes	36	31	34	37	
Value-----	S1EATE	S2EATE	S3EATE	S4EATE	S5EATE
.d:DK	9	2		2	3
.m:Missing			4		
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:no difficulty	3694	2733	3126	3620	3368
0.no	4222	3426	3240	3754	3574
1.yes	20	16	14	20	15
Value-----	S6EATE	S7EATE	S8EATE	S9EATE	
.d:DK		1		3	
.r:Refuse	2	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.x:no difficulty	3659	3386	2765	3011	
0.no	3567	3158	2905	2793	
1.yes	14	14	17	13	

## How Constructed

RwWALKRE and RweATE indicate whether the respondent uses personal aids. RwWALKRE indicates whether the respondent uses a cane or walking stick, a zimmer frame or walker, a manual wheelchair, an electric wheelchair, or a buggy or scooter. Starting in Wave 2, RwWALKRE also indicates whether the respondent uses elbow crutches. RweATE indicates whether the respondent uses special eating utensils. RwWALKRE and RweATE are assigned a value of 0 if the respondent does not report using the specific personal aids, and are assigned a value of 1 if the respondent does report using the specific personal aids. RwWALKRE and RweATE are assigned special missing .p in Wave 1 if this question was skipped because the interview was by proxy. In Waves 1 through 5, RwWALKRE and RweATE are assigned special missing .x if this question was not asked because the respondent reported no ADL, IADL, or mobility difficulties. Starting in Wave 6, this question is asked to all respondents regardless of any ADL, IADL, or mobility difficulties, but the coding has been adjusted to maintain comparability with Waves 1 through 5 by assigning special missing .x if the respondent reported no ADL, IADL, or mobility difficulties, and assigning a 0 if they report using no aids but having difficulty with at least one activity. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. RwWALKRE and RweATE are assigned blank missing (.) if the respondent did not respond to the current wave.

SwWALKRE and SweATE indicate whether the respondent uses personal aids, and their values are taken directly from RwWALKRE and RweATE. In addition to the special missing codes employed by RwWALKRE and RweATE, SwWALKRE and SweATE employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Proxy respondents are not asked this question in Wave 1.

Elbow crutches are added to the list of possible aids in Wave 2.

Starting in Wave 6, all respondents are asked about the use of personal aids, whereas in previous waves, only respondents who reported an ADL, IADL, or mobility difficulty were asked about the use of personal aids.

## Differences with the RAND HRS/Harmonized HRS

RwWALKRE is available in the RAND HRS. In the HRS, respondents are asked if they use any equipment to walk across the room after they report having difficulty walking across a room. In the ELSA, respondents are asked to select which, if any, personal aids they use from a list after reporting difficulty with any ADL, IADL, or mobility difficulty in Waves 1 through 5, or the same question is asked to all respondents starting in Wave 6.

The HRS does not ask any questions about using equipment for eating.

## ELSA Variables Used

### Wave 1 Core:

HEADA01	because of a health problem, do you have any difficultie
HEADB01	because of a health or memory problem, do you have any
HEAID1	do you use any of the following...? {aids} 1st {excl pers
HEAID2	do you use any of the following...? {aids} 2nd
HEAID3	do you use any of the following...? {aids} 3rd
HEAID4	do you use any of the following...? {aids} 4th
HEAID5	do you use any of the following...? {aids} 5th
HEAID6	do you use any of the following...? {aids} 6th
HEAID7	do you use any of the following...? {aids} 7th
HEAID8	do you use any of the following...? {aids} 8th

### Wave 2 Core:

HEADA01	ADL: activity has problem with due to health/physical pr
HEADB01	IADL: activity has problem with due to health/physical p
HEAID1	Walking aids used (disability) (1st mention)
HEAID10	Walking aids used (2nd mention) (balance)
HEAID11	Walking aids used (3rd mention) (balance)
HEAID12	Walking aids used (4th mention) (balance)
HEAID17	Walking aids used (1st mention) (for ADL-IADL)
HEAID18	Walking aids used (2nd mention) (for ADL-IADL)
HEAID19	Walking aids used (3rd mention) (for ADL-IADL)
HEAID2	Walking aids used (disability) (2nd mention)
HEAID20	Walking aids used (4th mention) (for ADL-IADL)
HEAID21	Walking aids used (5th mention) (for ADL-IADL)
HEAID22	Walking aids used (6th mention) (for ADL-IADL)
HEAID3	Walking aids used (disability) (3rd mention)
HEAID4	Walking aids used (disability) (4th mention)
HEAID5	Walking aids used (disability) (5th mention)
HEAID9	Walking aids used (1st mention) (balance)

### Wave 3 Core:

HEADL96	adl&iadl: whether said had none of listed difficulties
HEAID96	aids used: not use any of listed aids
HEAIDBU	aids used: buggy or scooter
HEAIDCA	aids used: cane or walking stick
HEAIDCR	aids used: elbow crutches
HEAIDEA	aids used: special eating utensil
HEAIDEW	aids used: electric wheelchair
HEAIDMW	aids used: manual wheelchair
HEAIDZI	aids used: zimmer frame or walker
HEMOB96	mobility: whether said had none of listed difficulties

### Wave 4 Core:

HEADL96	adl&iadl: whether said had none of listed difficulties
HEAID96	aids used: not use any of listed aids
HEAIDBU	aids used: buggy or scooter
HEAIDCA	aids used: cane or walking stick
HEAIDCR	aids used: elbow crutches

HEAIDEA	aids used: special eating utensil
HEAIDEW	aids used: electric wheelchair
HEAIDMW	aids used: manual wheelchair
HEAIDZI	aids used: zimmer frame or walker
HEMOB96	mobility: whether said had none of listed difficulties
Wave 5 Core:	
HEADL96	ADL&IADL: whether said had none of listed difficulties
HEAID96	Aids used: not use any of listed aids
HEAIDBU	Aids used: buggy or scooter
HEAIDCA	Aids used: cane or walking stick
HEAIDCR	Aids used: elbow crutches
HEAIDEA	Aids used: special eating utensil
HEAIDEW	Aids used: electric wheelchair
HEAIDMW	Aids used: manual wheelchair
HEAIDZI	Aids used: zimmer frame or walker
HEMOB96	Mobility: whether said had none of listed difficulties
Wave 6 Core:	
HEADL96	adl&iadl: whether said had none of listed difficulties
HEAID96	aids used: not use any of listed aids
HEAIDBU	aids used: buggy or scooter
HEAIDCA	aids used: cane or walking stick
HEAIDCR	aids used: elbow crutches
HEAIDEA	aids used: special eating utensil
HEAIDEW	aids used: electric wheelchair
HEAIDMW	aids used: manual wheelchair
HEAIDZI	aids used: zimmer frame or walker
HEMOB96	mobility: whether said had none of listed difficulties
Wave 7 Core:	
HEADL96	adl&iadl: whether said had none of listed difficulties
HEAID96	aids used: not use any of listed aids
HEAIDBU	aids used: buggy or scooter
HEAIDCA	aids used: cane or walking stick
HEAIDCR	aids used: elbow crutches
HEAIDEA	aids used: special eating utensil
HEAIDEW	aids used: electric wheelchair
HEAIDMW	aids used: manual wheelchair
HEAIDZI	aids used: zimmer frame or walker
HEMOB96	mobility: whether said had none of listed difficulties
Wave 8 Core:	
HEADL96	adl&iadl: difficulty with none of these
HEAID96	aids used: not use any of listed aids
HEAIDBU	aids used: buggy or scooter
HEAIDCA	aids used: cane or walking stick
HEAIDCR	aids used: elbow crutches
HEAIDEA	aids used: special eating utensil
HEAIDEW	aids used: electric wheelchair
HEAIDMW	aids used: manual wheelchair
HEAIDZI	aids used: zimmer frame or walker
HEMOB96	mobility: difficulty with none of these
Wave 9 Core:	
HEADL96	ADL&IADL: difficulty with none of these
HEAID96	Aids used: not use any of listed aids
HEAIDBU	Aids used: buggy or scooter
HEAIDCA	Aids used: cane or walking stick
HEAIDCR	Aids used: elbow crutches
HEAIDEA	Aids used: special eating utensil
HEAIDEW	Aids used: electric wheelchair
HEAIDMW	Aids used: manual wheelchair
HEAIDZI	Aids used: zimmer frame or walker
HEMOB96	Mobility: difficulty with none of these

<b>Care for ADLs or IADLS: Receives Any Care</b>
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Wave	Variable	Label	Type
1	R1RCANY_E	r1rcany_e:w1 r receives any care for adls/iadls/mobility	Categ
2	R2RCANY_E	r2rcany_e:w2 r receives any care for adls/iadls/mobility	Categ
3	R3RCANY_E	r3rcany_e:w3 r receives any care for adls/iadls/mobility	Categ
4	R4RCANY_E	r4rcany_e:w4 r receives any care for adls/iadls/mobility	Categ
5	R5RCANY_E	r5rcany_e:w5 r receives any care for adls/iadls/mobility	Categ
6	R6RCANY_E	r6rcany_e:w6 r receives any care for adls/iadls/mobility	Categ
7	R7RCANY_E	r7rcany_e:w7 r receives any care for adls/iadls/mobility	Categ
8	R8RCANY_E	r8rcany_e:w8 r receives any care for adls/iadls/mobility	Categ
9	R9RCANY_E	r9rcany_e:w9 r receives any care for adls/iadls/mobility	Categ
1	S1RCANY_E	s1rcany_e:w1 s receives any care for adls/iadls/mobility	Categ
2	S2RCANY_E	s2rcany_e:w2 s receives any care for adls/iadls/mobility	Categ
3	S3RCANY_E	s3rcany_e:w3 s receives any care for adls/iadls/mobility	Categ
4	S4RCANY_E	s4rcany_e:w4 s receives any care for adls/iadls/mobility	Categ
5	S5RCANY_E	s5rcany_e:w5 s receives any care for adls/iadls/mobility	Categ
6	S6RCANY_E	s6rcany_e:w6 s receives any care for adls/iadls/mobility	Categ
7	S7RCANY_E	s7rcany_e:w7 s receives any care for adls/iadls/mobility	Categ
8	S8RCANY_E	s8rcany_e:w8 s receives any care for adls/iadls/mobility	Categ
8	S8RCANY_E	s8rcany_e:w8 s receives any care for adls/iadls/mobility	Categ
9	S9RCANY_E	s9rcany_e:w9 s receives any care for adls/iadls/mobility	Categ
6	R6RACANY	r6racany:w6 r receives any care for adls	Categ
7	R7RACANY	r7racany:w7 r receives any care for adls	Categ
8	R8RACANY	r8racany:w8 r receives any care for adls	Categ
9	R9RACANY	r9racany:w9 r receives any care for adls	Categ
6	S6RACANY	s6racany:w6 s receives any care for adls	Categ
7	S7RACANY	s7racany:w7 s receives any care for adls	Categ
8	S8RACANY	s8racany:w8 s receives any care for adls	Categ
9	S9RACANY	s9racany:w9 s receives any care for adls	Categ
6	R6RICANY	r6ricany:w6 r receives any care for iadls	Categ
7	R7RICANY	r7ricany:w7 r receives any care for iadls	Categ
8	R8RICANY	r8ricany:w8 r receives any care for iadls	Categ
9	R9RICANY	r9ricany:w9 r receives any care for iadls	Categ
6	S6RICANY	s6ricany:w6 s receives any care for iadls	Categ
7	S7RICANY	s7ricany:w7 s receives any care for iadls	Categ
8	S8RICANY	s8ricany:w8 s receives any care for iadls	Categ
9	S9RICANY	s9ricany:w9 s receives any care for iadls	Categ
6	R6RCANY	r6rcany:w6 r receives any care for adls/iadls	Categ
7	R7RCANY	r7rcany:w7 r receives any care for adls/iadls	Categ
8	R8RCANY	r8rcany:w8 r receives any care for adls/iadls	Categ
9	R9RCANY	r9rcany:w9 r receives any care for adls/iadls	Categ
6	S6RCANY	s6rcany:w6 s receives any care for adls/iadls	Categ
7	S7RCANY	s7rcany:w7 s receives any care for adls/iadls	Categ
8	S8RCANY	s8rcany:w8 s receives any care for adls/iadls	Categ
9	S9RCANY	s9rcany:w9 s receives any care for adls/iadls	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RCANY_E	6896	0.40	0.49	0.00	1.00
R2RCANY_E	5654	0.47	0.50	0.00	1.00

R3RCANY_E	5507	0.42	0.49	0.00	1.00
R4RCANY_E	6211	0.41	0.49	0.00	1.00
R5RCANY_E	5847	0.42	0.49	0.00	1.00
R6RCANY_E	5663	0.37	0.48	0.00	1.00
R7RCANY_E	5073	0.37	0.48	0.00	1.00
R8RCANY_E	4666	0.36	0.48	0.00	1.00
R9RCANY_E	4542	0.36	0.48	0.00	1.00
S1RCANY_E	4242	0.39	0.49	0.00	1.00
S2RCANY_E	3426	0.47	0.50	0.00	1.00
S3RCANY_E	3257	0.41	0.49	0.00	1.00
S4RCANY_E	3774	0.41	0.49	0.00	1.00
S5RCANY_E	3589	0.41	0.49	0.00	1.00
S6RCANY_E	3580	0.32	0.47	0.00	1.00
S7RCANY_E	3170	0.31	0.46	0.00	1.00
S8RCANY_E	2921	0.32	0.47	0.00	1.00
S9RCANY_E	2808	0.31	0.46	0.00	1.00
R6RACANY	1833	0.43	0.50	0.00	1.00
R7RACANY	1612	0.43	0.50	0.00	1.00
R8RACANY	1455	0.43	0.50	0.00	1.00
R9RACANY	1453	0.45	0.50	0.00	1.00
S6RACANY	1052	0.50	0.50	0.00	1.00
S7RACANY	924	0.50	0.50	0.00	1.00
S8RACANY	825	0.51	0.50	0.00	1.00
S9RACANY	818	0.53	0.50	0.00	1.00
R6RICANY	1803	0.76	0.43	0.00	1.00
R7RICANY	1599	0.78	0.41	0.00	1.00
R8RICANY	1513	0.76	0.43	0.00	1.00
R9RICANY	1435	0.77	0.42	0.00	1.00
S6RICANY	944	0.71	0.46	0.00	1.00
S7RICANY	823	0.75	0.43	0.00	1.00
S8RICANY	792	0.73	0.44	0.00	1.00
S9RICANY	729	0.73	0.44	0.00	1.00
R6RCANY	2470	0.64	0.48	0.00	1.00
R7RCANY	2142	0.66	0.47	0.00	1.00
R8RCANY	2001	0.65	0.48	0.00	1.00
R9RCANY	1921	0.65	0.48	0.00	1.00
S6RCANY	1389	0.61	0.49	0.00	1.00
S7RCANY	1187	0.63	0.48	0.00	1.00
S8RCANY	1118	0.63	0.48	0.00	1.00
S9RCANY	1049	0.64	0.48	0.00	1.00

### Categorical Variable Codes

Value-----	R1RCANY_E	R2RCANY_E	R3RCANY_E	R4RCANY_E	R5RCANY_E
.d:DK	13	3		2	3
.m:Missing			4		
.p:proxy	175				
.r:Refuse	4	1		7	6
.x:no difficulty	5011	3774	4255	4830	4418
0.no	4131	3004	3197	3646	3389
1.yes	2765	2650	2310	2565	2458
Value-----	R6RCANY_E	R7RCANY_E	R8RCANY_E	R9RCANY_E	
.d:DK	2	2		2	
.n:institutional ivw	74	62	57	54	
.r:Refuse	2		1	1	



.x:no difficulty	4860	4529	3721	4137	
0.no	3543	3204	2967	2917	
1.yes	2120	1869	1699	1625	
Value-----	S1RCANY_E	S2RCANY_E	S3RCANY_E	S4RCANY_E	S5RCANY_E
.d:DK	9	2		2	3
.m:Missing			1		
.p:proxy	122				
.r:Refuse	3	1		6	4
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:no difficulty	3694	2749	3126	3620	3368
0.no	2589	1811	1935	2235	2121
1.yes	1653	1615	1322	1539	1468
Value-----	S6RCANY_E	S7RCANY_E	S8RCANY_E	S9RCANY_E	
.d:DK	1	2		1	
.r:Refuse	2		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.x:no difficulty	3659	3388	2766	3011	
0.no	2441	2172	1986	1938	
1.yes	1139	998	935	870	
Value-----	R6RACANY	R7RACANY	R8RACANY	R9RACANY	
.d:DK	2	2		5	
.n:institutional iw	71	58	46	51	
.r:Refuse	3		2	2	
.x:no difficulty	8692	7994	6942	7225	
0.no	1045	912	825	806	
1.yes	788	700	630	647	
Value-----	S6RACANY	S7RACANY	S8RACANY	S9RACANY	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.x:no difficulty	6187	5634	4861	4999	
0.no	530	461	403	386	
1.yes	522	463	422	432	
Value-----	R6RICANY	R7RICANY	R8RICANY	R9RICANY	
.d:DK	2	2		6	
.n:institutional iw	71	61	52	53	
.r:Refuse	3		2	2	
.x:no difficulty	8722	8004	6878	7240	
0.no	436	349	368	334	
1.yes	1367	1250	1145	1101	
Value-----	S6RICANY	S7RICANY	S8RICANY	S9RICANY	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.x:no difficulty	6295	5735	4894	5088	
0.no	277	208	213	195	
1.yes	667	615	579	534	
Value-----	R6RCANY	R7RCANY	R8RCANY	R9RCANY	
.d:DK	2	2		6	
.n:institutional iw	74	61	55	54	
.r:Refuse	3		2	2	
.x:no difficulty	8052	7461	6387	6753	
0.no	889	730	709	664	
1.yes	1581	1412	1292	1257	
Value-----	S6RCANY	S7RCANY	S8RCANY	S9RCANY	
.d:DK	1	2		3	
.r:Refuse	2		2		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	

.x:no difficulty		5850	5371	4568	4768
0.no		544	441	412	377
1.yes		845	746	706	672

## How Constructed

RwRCANY\_E indicates whether the respondent receives any care for difficulties with activities of daily living (ADL), instrumental activities of daily living (IADL), or mobility activities. In Waves 1 through 5, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked the following question: "Thinking about the activities that you have problems with, does anyone ever help you with these activities (including your partner or other people in your household)?" The answer to this question is used to derive RwRCANY\_E in these waves. Starting in Wave 6, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked whether someone helps them with each of those activities. Respondents are asked if they received help with the following ADL activities: dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. Respondents are asked if they received help with the following IADL activities: grocery shopping, taking medications, doing work around the house or garden, and managing money. Respondents are asked if they received help with the following mobility activities: walking 100 yards, climbing several flights of stairs without resting, and climbing one flight of stairs without resting.

In all waves, RwRCANY\_E is assigned a value of 0 if the respondent has difficulty with at least one ADL, IADL, or mobility activity but receives no help with any activity. RwRCANY\_E is assigned a value of 1 if the respondent has difficulty with at least one ADL, IADL, or mobility activity and someone helps with at least one of the activities. RwRCANY\_E is assigned special missing .x if the respondent has no difficulty with any ADLs, IADLs, or mobility activities. In Wave 1, RwRCANY\_E is assigned special missing .p if these questions weren't asked because the interview was completed by proxy. Starting in Wave 6, RwRCANY\_E is assigned special missing .n if these questions weren't asked because the respondent was in an institution at the time of the interview. Don't know, refused, and other missing responses are assigned special missing .d, .r, and .m, respectively. RwRCANY\_E is assigned a blank missing (.) if the respondent did not participate in the current wave.

SwRCANY\_E indicates whether the respondent's current wave's spouse receives any care for difficulties with ADLs, IADLs, or mobility activities, and its values are taken from RwRCANY\_E. In addition to the special missing codes employed by RwRCANY\_E, SwRCANY\_E employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwRACANY indicates whether the respondent receives any care for difficulties with ADLs. Starting in Wave 6, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked whether someone helps them with each of those activities. Respondents are asked if they received help with the following ADL activities: dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. RwRACANY is available starting in Wave 6 and is assigned a value of 0 if the respondent has difficulty with at least one ADL but receives no help with any ADL, and is assigned a value of 1 if the respondent has difficulty with at least one ADL and someone helps with at least one of the activities. RwRACANY is assigned special missing .x if the respondent has no difficulty with any ADLs. RwRACANY is assigned special missing .n if these questions weren't asked because the respondent was in an institution at the time of the interview. Don't know, refused, and other missing responses are assigned special missing .d, .r, and .m, respectively. RwRACANY is assigned a blank missing (.) if the respondent did not participate in the current wave.

RwRICANY indicates whether the respondent receives any care for difficulties with IADLs. Starting in Wave 6, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked whether someone helps them with each of those activities. Respondents are asked if they received help with the following IADL activities: grocery shopping, taking medications, doing work around the house or garden, and managing money. RwRICANY is available starting in Wave 6 and is assigned a value of 0 if the respondent has difficulty with at least one IADL but receives no help with any IADL, and is assigned a value of 1 if the respondent has difficulty with at least one IADL and someone helps with at least one of the activities. RwRICANY is assigned special missing .x if the respondent has no difficulty with any IADLs. RwRICANY is assigned special missing .n if these questions weren't asked because the respondent was in an institution at the time of the interview. Don't know, refused, and other missing

responses are assigned special missing .d, .r, and .m, respectively. RWRICANY is assigned a blank missing (.) if the respondent did not participate in the current wave.

RwRCANY indicates whether the respondent receives any care for difficulties with ADLs or IADLs. Starting in Wave 6, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked whether someone helps them with each of those activities. Respondents are asked if they received help with the following ADL activities: dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. Respondents are asked if they received help with the following IADL activities: grocery shopping, taking medications, doing work around the house or garden, and managing money. RwRCANY is available starting in Wave 6 and is assigned a value of 0 if the respondent has difficulty with at least one ADL or IADL but receives no help with any ADL or IADL, and is assigned a value of 1 if the respondent has difficulty with at least one ADL or IADL and someone helps with at least one of the activities. RwRCANY is assigned special missing .x if the respondent has no difficulty with any ADLs or IADLs. RwRCANY is assigned special missing .n if these questions weren't asked because the respondent was in an institution at the time of the interview. Don't know, refused, and other missing responses are assigned special missing .d, .r, and .m, respectively. RwRCANY is assigned a blank missing (.) if the respondent did not participate in the current wave.

SwRACANY, SwRICANY, and SwRCANY indicate whether the respondent's current wave's spouse receives any care for difficulties with ADLs, IADLs, or ADLs and IADLs, respectively, and their values are taken from RWRACANY, RWRICANY, and RwRCANY. In addition to the special missing codes employed by RWRACANY, RWRICANY, and RwRCANY, SwRACANY, SwRICANY, and SwRCANY employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Proxy respondents are not asked these questions in Wave 1.

Institutionalized respondents are not asked these questions starting in Wave 6.

In Waves 1 through 5, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked a single question ascertaining whether they receive help with activities with which they have difficulty. This includes a greater number of activities than those starting in Wave 6 because it includes sitting for about 2 hours, getting up from a chair after sitting for long periods, stooping, kneeling, or crouching, reaching or extending arms above shoulder level, pulling or pushing large objects, lifting or carrying weights over 10 pounds, picking up a 5p coin from a table, using a map to figure out how to get around in a strange place, preparing a hot meal, and making telephone calls.

Starting in Wave 4, respondents are asked whether they have difficulty with recognizing when they are in physical danger and communication (speech, hearing, or eyesight), which would be included in the single question about whether they receive help if they reported difficulty with these activities.

Starting in Wave 6, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked whether someone helps them with each activity. Respondents are asked if they received help with the following ADL activities: dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. Respondents are asked if they received help with the following IADL activities: grocery shopping, taking medications, doing work around the house or garden, and managing money. Respondents are asked if they received help with the following mobility activities: walking 100 yards, climbing several flights of stairs without resting, and climbing one flight of stairs without resting. The respondent is asked whether they have difficulty with but not whether they receive help with the following activities in these waves: sitting for about 2 hours, getting up from a chair after sitting for long periods, stooping, kneeling, or crouching, reaching or extending arms above shoulder level, pulling or pushing large objects, lifting or carrying weights over 10 pounds, picking up a 5p coin from a table, using a map to figure out how to get around in a strange place, recognizing when you are in physical danger, preparing a hot meal, making telephone calls, and communication (speech, hearing or eyesight).

Because respondents are asked about help received with each activity starting in Wave 6, RWRACANY, RWRICANY, and RwRCANY become available in Wave 6.

## Differences with the RAND HRS/Harmonized HRS

RwRACANY in the Harmonized HRS and RwRACANY in the Harmonized ELSA are as comparable as possible, and include the same ADL activities. RwRICANY in the Harmonized HRS includes help with preparing meals, shopping for groceries, using the phone, taking medications, and managing money, while RwRICANY in the Harmonized ELSA includes help with shopping for groceries, taking medications, doing housework, and managing money. Despite these differences, these variables have been made to be as comparable as possible.

RwRCANY in the Harmonized HRS indicates whether the respondent receives help with any ADL or IADL activity that they report having difficulty with. RwRCANY in the Harmonized ELSA indicates whether the respondent receives help with an ADL or IADL activity that they report having difficulty with, but the list of included IADL activities leaves out preparing meals and using the phone and includes doing housework. RwRCANY\_E in the Harmonized ELSA indicates whether the respondent receives help with an ADL, IADL, or mobility activity as long as they report having difficulty with at least one of the activities. Because the ELSA does not ask about help received with the same IADL activities and asks additionally about mobility activities, the "\_E" is included in this Harmonized ELSA variable name to indicate that the two concepts are similar but not directly comparable.

The HRS first asks whether the respondent has difficulty with an activity, and if so, asks whether someone helps them with that activity, which is different from how the ELSA asks these questions, as explained above. The HRS asks about help received for preparing a hot meal and making telephone calls. In Waves 1 through 5 of ELSA, ELSA asks about any help received if the respondent reported a difficulty from a list of activities including preparing a hot meal and using a telephone. Starting at Wave 6, ELSA does not ask about help received for preparing a hot meal or using a telephone. The ELSA asks about help received for doing work around the house or garden, recognizing when they are in physical danger, communication (speech, hearing, or eyesight), walking 100 yards, climbing several flights of stairs without resting, and climbing one flight of stairs without resting, which are not asked in the HRS.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1 whether interviewed by proxy  
 HEADA01 because of a health problem, do you have any difficultie  
 HEADB01 because of a health or memory problem, do you have any  
 HEHPA thinking about the activities that you have problems wi

### Wave 2 Core:

HEADA01 ADL: activity has problem with due to health/physical pr  
 HEADB01 IADL: activity has problem with due to health/physical p  
 HEHPA ADL & IADL: whether ever has help with these activities

### Wave 3 Core:

HEADL96 adl&iadl: whether said had none of listed difficulties  
 HEHPA functioning: whether ever has help with mobility, adl, i  
 HEMOB96 mobility: whether said had none of listed difficulties

### Wave 4 Core:

HEADL96 adl&iadl: whether said had none of listed difficulties  
 HEHPA functioning: whether ever has help with mobility, adl, i  
 HEMOB96 mobility: whether said had none of listed difficulties

### Wave 5 Core:

HEADL96 ADL&IADL: whether said had none of listed difficulties  
 HEHPA Functioning: whether ever has help with mobility, ADL, I  
 HEMOB96 Mobility: whether said had none of listed difficulties

### Wave 6 Core:

ASKINST whether respondent had an institutional interview  
 CATKA received help in last month: walking 100 yards  
 CATKB received help in last month: climbing several flights of  
 CATKC received help in last month: climbing one flight of stai  
 CATKD received help in last month: dressing, including putting  
 CATKE received help in last month: walking across a room  
 CATKF received help in last month: bathing or showering  
 CATKG received help in last month: eating, such as cutting up  
 CATKH received help in last month: getting in and out of bed

CATKI received help in last month: using the toilet, including  
 CATKJ received help in last month: shopping for groceries  
 CATKK received help in last month: taking medications  
 CATKL received help in last month: doing work around the house  
 CATKM received help in last month: managing money, such as pay  
 HEADL96 adl&iadl: whether said had none of listed difficulties  
 HEMOB96 mobility: whether said had none of listed difficulties

## Wave 7 Core:

ASKINST whether respondent had an institutional interview  
 CATKA received help in last month: walking 100 yards  
 CATKB received help in last month: climbing several flights of  
 CATKC received help in last month: climbing one flight of stai  
 CATKD received help in last month: dressing, including putting  
 CATKE received help in last month: walking across a room  
 CATKF received help in last month: bathing or showering  
 CATKG received help in last month: eating, such as cutting up  
 CATKH received help in last month: getting in and out of bed  
 CATKI received help in last month: using the toilet, including  
 CATKJ received help in last month: shopping for groceries  
 CATKK received help in last month: taking medications  
 CATKL received help in last month: doing work around the house  
 CATKM received help in last month: managing money, such as pay  
 HEADL96 adl&iadl: whether said had none of listed difficulties  
 HEMOB96 mobility: whether said had none of listed difficulties

## Wave 8 Core:

ASKINST computed: whether respondent had an institutional interv  
 CATKA whether received help last month: walking 100 yards  
 CATKB whether received help last month: climbing several fligh  
 CATKC whether received help last month: climbing one flight of  
 CATKD whether received help last month: dressing, including pu  
 CATKE whether received help last month: walking across a room  
 CATKF whether received help last month: bathing or showering  
 CATKG whether received help last month: eating, such as cuttin  
 CATKH whether received help last month: getting in and out of  
 CATKI whether received help last month: using the toilet, incl  
 CATKJ whether received help last month: shopping for groceries  
 CATKK whether received help last month: taking medications  
 CATKL whether received help last month: doing work around the  
 CATKM whether received help last month: managing money, such a  
 HEADL96 adl&iadl: difficulty with none of these  
 HEMOB96 mobility: difficulty with none of these

## Wave 9 Core:

ASKINST Computed: whether respondent had an institutional interv  
 CATKA Whether received help last month: walking 100 yards  
 CATKB Whether received help last month: climbing several fligh  
 CATKC Whether received help last month: climbing one flight of  
 CATKD Whether received help last month: dressing, including pu  
 CATKE Whether received help last month: walking across a room  
 CATKF Whether received help last month: bathing or showering  
 CATKG Whether received help last month: eating, such as cuttin  
 CATKH Whether received help last month: getting in and out of  
 CATKI Whether received help last month: using the toilet, incl  
 CATKJ Whether received help last month: shopping for groceries  
 CATKK Whether received help last month: taking medications  
 CATKL Whether received help last month: doing work around the  
 CATKM Whether received help last month: managing money, such a  
 HEADL96 ADL&IADL: difficulty with none of these  
 HEMOB96 Mobility: difficulty with none of these

**Care for ADLs or IADLs: Receives Informal Caregiving**

Wave	Variable	Label	Type
1	R1RCAANY_E	r1rcaany_e:w1 r receives any informal care for adls/iadls/mo	Categ
2	R2RCAANY_E	r2rcaany_e:w2 r receives any informal care for adls/iadls/mo	Categ
3	R3RCAANY_E	r3rcaany_e:w3 r receives any informal care for adls/iadls/mo	Categ
4	R4RCAANY_E	r4rcaany_e:w4 r receives any informal care for adls/iadls/mo	Categ
5	R5RCAANY_E	r5rcaany_e:w5 r receives any informal care for adls/iadls/mo	Categ
6	R6RCAANY_E	r6rcaany_e:w6 r receives any informal care for adls/iadls/mo	Categ
7	R7RCAANY_E	r7rcaany_e:w7 r receives any informal care for adls/iadls/mo	Categ
8	R8RCAANY_E	r8rcaany_e:w8 r receives any informal care for adls/iadls/mo	Categ
9	R9RCAANY_E	r9rcaany_e:w9 r receives any informal care for adls/iadls/mo	Categ
1	S1RCAANY_E	s1rcaany_e:w1 s receives any informal care for adls/iadls/mo	Categ
2	S2RCAANY_E	s2rcaany_e:w2 s receives any informal care for adls/iadls/mo	Categ
3	S3RCAANY_E	s3rcaany_e:w3 s receives any informal care for adls/iadls/mo	Categ
4	S4RCAANY_E	s4rcaany_e:w4 s receives any informal care for adls/iadls/mo	Categ
5	S5RCAANY_E	s5rcaany_e:w5 s receives any informal care for adls/iadls/mo	Categ
6	S6RCAANY_E	s6rcaany_e:w6 s receives any informal care for adls/iadls/mo	Categ
7	S7RCAANY_E	s7rcaany_e:w7 s receives any informal care for adls/iadls/mo	Categ
8	S8RCAANY_E	s8rcaany_e:w8 s receives any informal care for adls/iadls/mo	Categ
9	S9RCAANY_E	s9rcaany_e:w9 s receives any informal care for adls/iadls/mo	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RCAANY_E	6896	0.37	0.48	0.00	1.00
R2RCAANY_E	5654	0.44	0.50	0.00	1.00
R3RCAANY_E	5063	0.34	0.47	0.00	1.00
R4RCAANY_E	6211	0.38	0.49	0.00	1.00
R5RCAANY_E	5847	0.39	0.49	0.00	1.00
R6RCAANY_E	5663	0.31	0.46	0.00	1.00
R7RCAANY_E	5073	0.30	0.46	0.00	1.00
R8RCAANY_E	4666	0.29	0.46	0.00	1.00
R9RCAANY_E	4542	0.30	0.46	0.00	1.00
S1RCAANY_E	4242	0.38	0.49	0.00	1.00
S2RCAANY_E	3426	0.46	0.50	0.00	1.00
S3RCAANY_E	2966	0.33	0.47	0.00	1.00
S4RCAANY_E	3774	0.40	0.49	0.00	1.00
S5RCAANY_E	3589	0.40	0.49	0.00	1.00
S6RCAANY_E	3580	0.28	0.45	0.00	1.00
S7RCAANY_E	3170	0.28	0.45	0.00	1.00
S8RCAANY_E	2921	0.27	0.45	0.00	1.00
S9RCAANY_E	2808	0.28	0.45	0.00	1.00

**Categorical Variable Codes**

Value-----	R1RCAANY_E	R2RCAANY_E	R3RCAANY_E	R4RCAANY_E	R5RCAANY_E
.d:DK	13	3		2	3
.m:Missing			4		
.p:proxy	175		147		
.r:Refuse	4	1		7	6
.s:skipped			297		
.x:no difficulty	5011	3774	4255	4830	4418
0.no	4317	3183	3340	3833	3592
1.yes	2579	2471	1723	2378	2255
Value-----	R6RCAANY_E	R7RCAANY_E	R8RCAANY_E	R9RCAANY_E	

.d:DK	2	2		2
.n:institutional ivw	74	62	57	54
.r:Refuse	2		1	1
.x:no difficulty	4860	4529	3721	4137
0.no	3909	3543	3292	3194
1.yes	1754	1530	1374	1348

Value-----	S1RCAANY_E	S2RCAANY_E	S3RCAANY_E	S4RCAANY_E	S5RCAANY_E
.d:DK	9	2		2	3
.m:Missing			2		
.p:proxy	122		74		
.r:Refuse	3	1		6	4
.s:skipped			216		
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:no difficulty	3694	2749	3126	3620	3368
0.no	2624	1844	1976	2265	2148
1.yes	1618	1582	990	1509	1441

Value-----	S6RCAANY_E	S7RCAANY_E	S8RCAANY_E	S9RCAANY_E
.d:DK	1	2		1
.r:Refuse	2		1	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.x:no difficulty	3659	3388	2766	3011
0.no	2577	2291	2125	2031
1.yes	1003	879	796	777

## How Constructed

RwRCAANY\_E indicates whether the respondent receives any informal care for difficulties with ADLs, IADLs, or mobility activities. In Waves 1 through 5, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked the following question: "Thinking about the activities that you have problems with, does anyone ever help you with these activities (including your partner or other people in your household)?" If so, in Waves 1 and 2 they are asked to list the relationships for all the people who help with these activities. In Waves 3 through 5, they are asked to separately list the relationships for all the people who help according to the following groupings if they report difficulty with one of the activities: moving around the house (climbing stairs, walking across a room, getting in or out of bed, or using the toilet), bathing/showering or getting dressed, eating or preparing a hot meal, shopping for groceries or doing work around the house or garden, making phone calls or managing money, and taking medication. In Wave 5 they are also asked to list the relationships for all the people who help with the other mobility activities (walking 100 yards, sitting getting up from a chair, stooping, reaching arms, pulling a heavy object, lifting 10 lbs, picking up a coin, reading a map, communicating, or recognizing danger) if they report difficulty with one of the activities.

Starting in Wave 6, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked whether someone helps them with each of those activities. Respondents are asked if they received help with the following ADL activities: dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. Respondents are asked if they received help with the following IADL activities: grocery shopping, taking medications, doing work around the house or garden, and managing money. Respondents are asked if they received help with the following mobility activities: walking 100 yards, climbing several flights of stairs without resting, and climbing one flight of stairs without resting. They are asked to separately list the relationships for all the people who help according to the following groupings: mobility (walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using the toilet), bathing/showering or getting dressed, eating, shopping for groceries or doing work around the house or garden, taking medication, or managing money.

In Waves 1 through 3, the following relationships are considered to provide informal care: husband/wife/partner, mother/father, son, son-in-law, daughter, daughter-in-law, sister, brother, grandson, granddaughter, other relative, friend/neighbor, or other person. In Waves 4 through 5, the following relationships are considered to provide informal care: husband/wife/partner, son, daughter, sister, brother, other relative, friend/neighbor, or other person. Starting in Wave 6, the following relationships are considered to provide informal care: husband/wife/partner, son (including step-son, adopted son, or son-in-law), daughter (including step-daughter, adopted daughter, or daughter-in-law),

grandchild (including great grandchildren), sister (including step-sister, adopted sister, or sister-in-law), brother (including step-brother, adopted brother, or brother-in-law), other relative, friend, or neighbour.

RwRCAANY\_E is assigned a value of 0 if the respondent has difficulty with at least one ADL, IADL, or mobility activity but receives no help with the activity from an informal caregiver or does not receive any help. RwRCAANY\_E is assigned a value of 1 if the respondent has difficulty with at least one ADL, IADL, or mobility activity and an informal caregiver helps with at least one of the activities. RwRCAANY\_E is assigned special missing .x if the respondent has no difficulty with any ADLs, IADLs, or mobility activities. In Waves 1 and 3, RwRCAANY\_E is assigned special missing .p if these questions were skipped because the interview was completed by proxy. In Wave 3, RwRCAANY\_E is assigned special missing .s if the respondent had difficulty with one of the activities that respondents were not asked about receiving help for. Starting in Wave 6, RwRCAANY\_E is assigned special missing .n if these questions were skipped because the respondent was in an institution at the time of the interview. Don't know, refused, and other missing responses are assigned special missing .d, .r, and .m, respectively. RwRCAANY\_E is assigned a blank missing (.) if the respondent did not participate in the current wave.

SwRCAANY\_E indicates whether the respondent's current wave's spouse receives any informal care for difficulties with ADLs, IADLs, or mobility activities, and its values are taken from RwRCAANY\_E. In addition to the special missing codes employed by RwRCAANY\_E, SwRCAANY\_E employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Proxy respondents are not asked these questions in Waves 1 and 3.

Institutionalized respondents are not asked these questions starting in Wave 6.

In Waves 1 through 3, the following relationships are considered to provide informal care: husband/wife/partner, mother/father, son, son-in-law, daughter, daughter-in-law, sister, brother, grandson, granddaughter, other relative, friend/neighbor, or other person. In Waves 4 through 5, the following relationships are considered to provide informal care: husband/wife/partner, son, daughter, sister, brother, other relative, friend/neighbor, or other person. Starting in Wave 6, the following relationships are considered to provide informal care: husband/wife/partner, son (including step-son, adopted son, or son-in-law), daughter (including step-daughter, adopted daughter, or daughter-in-law), grandchild (including great grandchildren), sister (including step-sister, adopted sister, or sister-in-law), brother (including step-brother, adopted brother, or brother-in-law), other relative, friend, or neighbour.

In Waves 1 through 5, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked a single question ascertaining whether they receive help with activities with which they have difficulty. If so, in Waves 1 and 2 they are asked to list the relationships for all the people who help with these activities. In Waves 3 through 5, they are asked to separately list the relationships for all the people who help according to the following groupings: moving around the house (climbing stairs, walking across a room, getting in or out of bed, or using the toilet), bathing/showering or getting dressed, eating or preparing a hot meal, shopping for groceries or doing work around the house or garden, making phone calls or managing money, and taking medication, if they report difficulty with one of the activities. In Wave 5 they are also asked to list the relationships for all the people who help with the other mobility activities if they report difficulty with one of the activities (walking 100 yards, sitting getting up from a chair, stooping, reaching arms, pulling a heavy object, lifting 10 lbs, picking up a coin, reading a map, communicating, or recognizing danger).

Starting in Wave 6, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked whether someone helps them with each of those activities. They are asked to separately list the relationships for all the people who help according to the following groupings: mobility (walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using the toilet), bathing/showering or getting dressed, eating, shopping for groceries or doing work around the house or garden, taking medication, or managing money.



## Differences with the RAND HRS/Harmonized HRS

RwRCAANY in the Harmonized HRS indicates whether the respondent receives help with any ADL or IADL activity that they report having difficulty with from an informal caregiver. RwRCAANY\_E in the Harmonized ELSA indicates whether the respondent receives help with an ADL, IADL, or mobility activity from an informal caregiver as long as they report having difficulty with at least one of the activities. Because the ELSA does not ask about informal care received with the same IADL activities and asks additionally about mobility activities, the "\_E" is included in the Harmonized ELSA variable name to indicate that the two concepts are similar but not directly comparable.

The HRS first asks whether the respondent has difficulty with an activity, and if so, asks whether someone helps them with that activity, which is different from how the ELSA asks these questions, as explained above. The HRS asks about help received for preparing a hot meal and making telephone calls, which are not asked in the ELSA. The ELSA asks about help received for doing work around the house or garden, recognizing when they are in physical danger, communication (speech, hearing, or eyesight), walking 100 yards, climbing several flights of stairs without resting, climbing one flight of stairs without resting, and additional mobility activities, which are not asked in the HRS.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
HEADA01	because of a health problem, do you have any difficultie
HEADB01	because of a health or memory problem, do you have any
HEHPA	thinking about the activities that you have problems wi
HEHPB01	who helps you with these activities? 1st
HEHPB02	who helps you with these activities? 2nd
HEHPB03	who helps you with these activities? 3rd
HEHPB04	who helps you with these activities? 4th
HEHPB05	who helps you with these activities? 5th
HEHPB06	who helps you with these activities? 6th
HEHPB07	who helps you with these activities? 7th
HEHPB08	who helps you with these activities? 8th
HEHPB09	who helps you with these activities? 9th
HEHPB10	who helps you with these activities? 10th
HEHPB11	who helps you with these activities? 11th
HEHPB12	who helps you with these activities? 12th
HEHPB13	who helps you with these activities? 13th
HEHPB14	who helps you with these activities? 14th
HEHPB15	who helps you with these activities? 15th
HEHPB16	who helps you with these activities? 16th

### Wave 2 Core:

HEADA01	ADL: activity has problem with due to health/physical pr
HEADB01	IADL: activity has problem with due to health/physical p
HEHPA	ADL & IADL: whether ever has help with these activities
HEHPB01	ADL & IADL: who helps with these activities (1st mention
HEHPB02	ADL & IADL: who helps with these activities (2nd mention
HEHPB03	ADL & IADL: who helps with these activities (3rd mention
HEHPB04	ADL & IADL: who helps with these activities (4th mention
HEHPB05	ADL & IADL: who helps with these activities (5th mention
HEHPB06	ADL & IADL: who helps with these activities (6th mention
HEHPB07	ADL & IADL: who helps with these activities (7th mention
HEHPB08	ADL & IADL: who helps with these activities (8th mention
HEHPB09	ADL & IADL: who helps with these activities (9th mention

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
HEADL96	adl&iadl: whether said had none of listed difficulties
HEADLBA	adl: difficulty bathing or showering
HEADLBE	adl: difficulty getting in and out of bed
HEADLDR	adl: difficulty dressing, including putting on shoes and
HEADLEA	adl: difficulty eating, such as cutting up food
HEADLHO	iadl: difficulty doing work around house and garden

HEADLMA iadl: difficulty using map to figure out how to get arou  
 HEADLME iadl: difficulty taking medications  
 HEADLMO iadl: difficulty managing money, eg paying bills,keeping  
 HEADLPH iadl: difficulty making telephone calls  
 HEADLPR iadl: difficulty preparing a hot meal  
 HEADLSH iadl: difficulty shopping for groceries  
 HEADLWA adl: difficulty walking across a room  
 HEADLWC adl: difficulty using the toilet, including getting up o  
 HEHPA functioning: whether ever has help with mobility, adl, i  
 HEHPD96 whether receives help preparing a meal or eating: no hel  
 HEHPDBR whether receives help preparing a meal or eating from br  
 HEHPDDA whether receives help preparing a meal or eating from da  
 HEHPDDL whether receives help preparing a meal or eating from da  
 HEHPDFR whether receives help preparing a meal or eating from fr  
 HEHPDGD whether receives help preparing a meal or eating from gr  
 HEHPDGS whether receives help preparing a meal or eating from gr  
 HEHPDOR whether receives help preparing a meal or eating from ot  
 HEHPDOT whether receives help preparing a meal or eating from ot  
 HEHPDPA whether receives help preparing a meal or eating from pa  
 HEHPDSI whether receives help preparing a meal or eating from si  
 HEHPDSL whether receives help preparing a meal or eating from so  
 HEHPDSO whether receives help preparing a meal or eating from so  
 HEHPDSP whether receives help preparing a meal or eating from sp  
 HEHPH96 whether receives help moving around house: no help recei  
 HEHPHBR whether receives help moving around house from brother  
 HEHPHDA whether receives help moving around house from daughter  
 HEHPHDL whether receives help moving around house from daughter-  
 HEHPHFR whether receives help moving around house from friend or  
 HEHPHGD whether receives help moving around house from granddaug  
 HEHPHGS whether receives help moving around house from grandson  
 HEHPHOR whether receives help moving around house from other rel  
 HEHPHOT whether receives help moving around house from other per  
 HEHPHPA whether receives help moving around house from parent  
 HEHPHSI whether receives help moving around house from sister  
 HEHPHSL whether receives help moving around house from son-in-la  
 HEHPHSO whether receives help moving around house from son  
 HEHPHSP whether receives help moving around house from spouse or  
 HEHPM96 whether receives help taking medication: no help receive  
 HEHPMBR whether receives help taking medication from brother  
 HEHPMDA whether receives help taking medication from daughter  
 HEHPMDL whether receives help taking medication from daughter-in  
 HEHPMFR whether receives help taking medication from friend or n  
 HEHPMGD whether receives help taking medication from granddaught  
 HEHPMGS whether receives help taking medication from grandson  
 HEHPMOR whether receives help taking medication from other relat  
 HEHPMOT whether receives help taking medication from other perso  
 HEHPMPA whether receives help taking medication from parent  
 HEHPMSI whether receives help taking medication from sister  
 HEHPMSL whether receives help taking medication from son-in-law  
 HEHPMSO whether receives help taking medication from son  
 HEHPMSP whether receives help taking medication from spouse or p  
 HEHPP96 whether receives help to shop/do work round house: no he  
 HEHPPBR whether receives help to shop/do work round house from b  
 HEHPPDA whether receives help to shop/do work round house from d  
 HEHPPDL whether receives help to shop/do work round house from d  
 HEHPPFR whether receives help to shop/do work round house from f  
 HEHPPGD whether receives help to shop/do work round house from g  
 HEHPPGS whether receives help to shop/do work round house from g  
 HEHPPOR whether receives help to shop/do work round house from o  
 HEHPPOT whether receives help to shop/do work round house from o  
 HEHPPPA whether receives help to shop/do work round house from p  
 HEHPPSI whether receives help to shop/do work round house from s  
 HEHPPSL whether receives help to shop/do work round house from s

HEHPPSO whether receives help to shop/do work round house from s  
 HEHPPSP whether receives help to shop/do work round house from s  
 HEHPT96 whether receives help using phone/managing money: no hel  
 HEHPTBR whether receives help using phone/managing money from br  
 HEHPTDA whether receives help using phone/managing money from da  
 HEHPTDL whether receives help using phone/managing money from da  
 HEHPTFR whether receives help using phone/managing money from fr  
 HEHPTGD whether receives help using phone/managing money from gr  
 HEHPTGS whether receives help using phone/managing money from gr  
 HEHPTOR whether receives help using phone/managing money from ot  
 HEHPTOT whether receives help using phone/managing money from ot  
 HEHPTPA whether receives help using phone/managing money from pa  
 HEHPTSI whether receives help using phone/managing money from si  
 HEHPTSL whether receives help using phone/managing money from so  
 HEHPTSO whether receives help using phone/managing money from so  
 HEHPTSP whether receives help using phone/managing money from sp  
 HEHPW96 whether receives help to wash/dress: no help received  
 HEHPWBR whether receives help to wash/dress from brother  
 HEHPWDA whether receives help to wash/dress from daughter  
 HEHPWDL whether receives help to wash/dress from daughter-in-law  
 HEHPWFR whether receives help to wash/dress from friend or neigh  
 HEHPWGD whether receives help to wash/dress from granddaughter  
 HEHPWGS whether receives help to wash/dress from grandson  
 HEHPWOR whether receives help to wash/dress from other relative  
 HEHPWOT whether receives help to wash/dress from other person  
 HEHPWPA whether receives help to wash/dress from parent  
 HEHPWSI whether receives help to wash/dress from sister  
 HEHPWSL whether receives help to wash/dress from son-in-law  
 HEHPWSO whether receives help to wash/dress from son  
 HEHPWSP whether receives help to wash/dress from spouse or partn  
 HEMOB96 mobility: whether said had none of listed difficulties  
 HEMOBCH mobility: difficulty getting up from chair after sitting  
 HEMOBCL mobility: difficulty climbing one flight stairs without  
 HEMOBCS mobility: difficulty climbing several flights stairs wit  
 HEMOBLI mobility: difficulty lifting or carrying weights over 10  
 HEMOBPI mobility: difficulty picking up 5p coin from table  
 HEMOBPU mobility: difficulty pulling or pushing large objects  
 HEMOBRE mobility: difficulty reaching or extending arms above sh  
 HEMOBSI mobility: difficulty sitting 2 hours  
 HEMOBST mobility: difficulty stooping, kneeling or crouching  
 HEMOBWA mobility: difficulty walking 100 yards

## Wave 4 Core:

HEADL96 adl&iadl: whether said had none of listed difficulties  
 HEHPA functioning: whether ever has help with mobility, adl, i  
 HEHPB96 whether receives help with other difficulty: no help rec  
 HEHPBBR whether receives help with other difficulty from brother  
 HEHPBDA whether receives help with other difficulty from daughte  
 HEHPBOR whether receives help with other difficulty from other r  
 HEHPBOT whether receives help with other difficulty from other p  
 HEHPBSI whether receives help with other difficulty from sister  
 HEHPBSO whether receives help with other difficulty from son  
 HEHPBSP whether receives help with other difficulty from spouse  
 HEHPD96 whether receives help preparing a meal or eating: no hel  
 HEHPDBR whether receives help preparing a meal or eating from br  
 HEHPDDA whether receives help preparing a meal or eating from da  
 HEHPDFR whether receives help preparing a meal or eating from fr  
 HEHPDOR whether receives help preparing a meal or eating from ot  
 HEHPDOT whether receives help preparing a meal or eating from ot  
 HEHPDSI whether receives help preparing a meal or eating from si  
 HEHPDSO whether receives help preparing a meal or eating from so  
 HEHPDSP whether receives help preparing a meal or eating from sp  
 HEHPH96 whether receives help moving around house: no help recei  
 HEHPHBR whether receives help moving around house from brother

HEHPHDA whether receives help moving around house from daughter  
 HEHPHFR whether receives help moving around house from friend or  
 HEHPHOR whether receives help moving around house from other rel  
 HEHPHOT whether receives help moving around house from other per  
 HEHPHSI whether receives help moving around house from sister  
 HEHPHSO whether receives help moving around house from son  
 HEHPHSP whether receives help moving around house from spouse or  
 HEHPM96 whether receives help taking medication: no help receive  
 HEHPMBR whether receives help taking medication from brother  
 HEHPMDA whether receives help taking medication from daughter  
 HEHPMFR whether receives help taking medication from friend or n  
 HEHPMOR whether receives help taking medication from other relat  
 HEHPMOT whether receives help taking medication from other perso  
 HEHPMSI whether receives help taking medication from sister  
 HEHPMSO whether receives help taking medication from son  
 HEHPMSP whether receives help taking medication from spouse or p  
 HEHPP96 whether receives help to shop/do work round house: no he  
 HEHPPBR whether receives help to shop/do work round house from b  
 HEHPPDA whether receives help to shop/do work round house from d  
 HEHPPFR whether receives help to shop/do work round house from f  
 HEHPPOR whether receives help to shop/do work round house from o  
 HEHPPOT whether receives help to shop/do work round house from o  
 HEHPPSI whether receives help to shop/do work round house from s  
 HEHPPSO whether receives help to shop/do work round house from s  
 HEHPPSP whether receives help to shop/do work round house from s  
 HEHPT96 whether receives help using phone/managing money: no hel  
 HEHPTBR whether receives help using phone/managing money from br  
 HEHPTDA whether receives help using phone/managing money from da  
 HEHPTFR whether receives help using phone/managing money from fr  
 HEHPTOR whether receives help using phone/managing money from ot  
 HEHPTOT whether receives help using phone/managing money from ot  
 HEHPTSI whether receives help using phone/managing money from si  
 HEHPTSO whether receives help using phone/managing money from so  
 HEHPTSP whether receives help using phone/managing money from sp  
 HEHPW96 whether receives help to wash/dress: no help received  
 HEHPWBR whether receives help to wash/dress from brother  
 HEHPWDA whether receives help to wash/dress from daughter  
 HEHPWFR whether receives help to wash/dress from friend or neigh  
 HEHPWOR whether receives help to wash/dress from other relative  
 HEHPWOT whether receives help to wash/dress from other person  
 HEHPWSI whether receives help to wash/dress from sister  
 HEHPWSO whether receives help to wash/dress from son  
 HEHPWSP whether receives help to wash/dress from spouse or partn  
 HEMOB96 mobility: whether said had none of listed difficulties

## Wave 5 Core:

HEADL96 ADL&IADL: whether said had none of listed difficulties  
 HEHPA Functioning: whether ever has help with mobility, ADL, I  
 HEHPB96 Whether receives help with other difficulty: no help rec  
 HEHPBBR whether receives help with other difficulty from brother  
 HEHPBDA Whether receives help with other difficulty from daughte  
 HEHPBFR Whether receives help with other difficulty from friend  
 HEHPBOR Whether receives help with other difficulty from other r  
 HEHPBOT Whether receives help with other difficulty from other p  
 HEHPBSI whether receives help with other difficulty from sister  
 HEHPBSO Whether receives help with other difficulty from son  
 HEHPBSP Whether receives help with other difficulty from spouse  
 HEHPD96 Whether receives help preparing a meal or eating: no hel  
 HEHPDBR Whether receives help preparing a meal or eating from br  
 HEHPDDA Whether receives help preparing a meal or eating from da  
 HEHPDFR Whether receives help preparing a meal or eating from fr  
 HEHPDOR Whether receives help preparing a meal or eating from ot  
 HEHPDOT Whether receives help preparing a meal or eating from ot  
 HEHPDSI Whether receives help preparing a meal or eating from si

HEHPDSO	Whether receives help preparing a meal or eating from so
HEHPDSP	Whether receives help preparing a meal or eating from sp
HEHPH96	Whether receives help with other difficulty: no help rec
HEHPHBR	Whether receives help with moving round house from broth
HEHPHDA	Whether receives help with moving round house from daugh
HEHPHFR	Whether receives help with moving round house from frien
HEHPHOR	Whether receives help with moving round house from other
HEHPHOT	Whether receives help with other difficulty from other p
HEHPHSI	whether receives help with moving round house from siste
HEHPHSO	Whether receives help with moving round house from son
HEHPHSP	Whether receives help with moving round house from spous
HEHPM96	Whether receives help taking medication: no help receive
HEHPMBR	Whether receives help taking medication from brother
HEHPMDA	Whether receives help taking medication from daughter
HEHPMFR	Whether receives help taking medication from friend or n
HEHPMOR	Whether receives help taking medication from other relat
HEHPMOT	Whether receives help taking medication from other perso
HEHPMSI	Whether receives help taking medication from privately p
HEHPMSO	Whether receives help taking medication from son
HEHPMSP	Whether receives help taking medication from spouse or p
HEHPP96	Whether receives help to shop/do work round house: no he
HEHPPBR	Whether receives help to shop/do work round housefrom br
HEHPPDA	Whether receives help to shop/do work round housefrom da
HEHPPFR	Whether receives help to shop/do work round house from f
HEHPPOR	Whether receives help to shop/do work round housefrom ot
HEHPPOT	Whether receives help to shop/do work round house from o
HEHPPSI	Whether receives help to shop/do work round housefrom si
HEHPPSO	Whether receives help to shop/do work round housefrom so
HEHPPSP	Whether receives help to shop/do work round housefrom sp
HEHPT96	Whether receives help using phone/managing money: no hel
HEHPTBR	Whether receives help using phone/managing money from br
HEHPTDA	Whether receives help using phone/managing money from da
HEHPTFR	Whether receives help using phone/managing money from fr
HEHPTOR	Whether receives help using phone/managing money from ot
HEHPTOT	Whether receives help using phone/managing money from ot
HEHPTSI	Whether receives help using phone/managing money from si
HEHPTSO	Whether receives help using phone/managing money from so
HEHPTSP	Whether receives help using phone/managing money from sp
HEHPW96	Whether receives help to wash/dress: no help received
HEHPWBR	Whether receives help to wash/dress from brother
HEHPWDA	Whether receives help to wash/dress from daughter
HEHPWFR	Whether receives help to wash/dress from friend or neigh
HEHPWOR	Whether receives help to wash/dress from other relative
HEHPWOT	Whether receives help to wash/dress from other person
HEHPWSI	Whether receives help to wash/dress from sister
HEHPWSO	Whether receives help to wash/dress from son
HEHPWSP	Whether receives help to wash/dress from spouse or partn
HEMOB96	Mobility: whether said had none of listed difficulties

## Wave 6 Core:

ASKINST	whether respondent had an institutional interview
CAHNBR	computed from cahin:received help with at least one task
CAHNDA	computed from cahin:received help with at least one task
CAHNFR	computed from cahin:received help with at least one task
CAHNGC	computed from cahin:received help with at least one task
CAHNHW	computed from cahin:received help with at least one task
CAHNNE	computed from cahin:received help with at least one task
CAHNNO	computed from cahin:received no informal help with tasks
CAHNOR	computed from cahin:received help with at least one task
CAHNSI	computed from cahin:received help with at least one task
CAHNSO	computed from cahin:received help with at least one task
CATKA	received help in last month: walking 100 yards
CATKB	received help in last month: climbing several flights of
CATKC	received help in last month: climbing one flight of stai

CATKD	received help in last month: dressing, including putting
CATKE	received help in last month: walking across a room
CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including
CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties
Wave 7 Core:	
ASKINST	whether respondent had an institutional interview
CAHNBR	computed from cahin:received help with at least one task
CAHNDA	computed from cahin:received help with at least one task
CAHNFR	computed from cahin:received help with at least one task
CAHNGC	computed from cahin:received help with at least one task
CAHNHW	computed from cahin:received help with at least one task
CAHNNE	computed from cahin:received help with at least one task
CAHNNO	computed from cahin:received no informal help with tasks
CAHNOR	computed from cahin:received help with at least one task
CAHNSI	computed from cahin:received help with at least one task
CAHNSO	computed from cahin:received help with at least one task
CATKA	received help in last month: walking 100 yards
CATKB	received help in last month: climbing several flights of
CATKC	received help in last month: climbing one flight of stai
CATKD	received help in last month: dressing, including putting
CATKE	received help in last month: walking across a room
CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including
CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties
Wave 8 Core:	
ASKINST	computed: whether respondent had an institutional interv
CAHNBR	computed from cahin: received help with at least one tas
CAHNDA	computed from cahin: received help with at least one tas
CAHNFR	computed from cahin: received help with at least one tas
CAHNGC	computed from cahin: received help with at least one tas
CAHNHW	computed from cahin: received help with at least one tas
CAHNNE	computed from cahin: received help with at least one tas
CAHNNO	computed from cahin: received no informal help with task
CAHNOR	computed from cahin: received help with at least one tas
CAHNSI	computed from cahin: received help with at least one tas
CAHNSO	computed from cahin: received help with at least one tas
CATKA	whether received help last month: walking 100 yards
CATKB	whether received help last month: climbing several fligh
CATKC	whether received help last month: climbing one flight of
CATKD	whether received help last month: dressing, including pu
CATKE	whether received help last month: walking across a room
CATKF	whether received help last month: bathing or showering
CATKG	whether received help last month: eating, such as cuttin
CATKH	whether received help last month: getting in and out of
CATKI	whether received help last month: using the toilet, incl
CATKJ	whether received help last month: shopping for groceries
CATKK	whether received help last month: taking medications
CATKL	whether received help last month: doing work around the

CATKM	whether received help last month: managing money, such a
HEADL96	adl&iadl: difficulty with none of these
HEMOB96	mobility: difficulty with none of these
Wave 9 Core:	
ASKINST	Computed: whether respondent had an institutional interv
CAHNBR	Computed from cahin: received help with at least one tas
CAHNDA	Computed from cahin: received help with at least one tas
CAHNFR	Computed from cahin: received help with at least one tas
CAHNGC	Computed from cahin: received help with at least one tas
CAHNHW	Computed from cahin: received help with at least one tas
CAHNNE	Computed from cahin: received help with at least one tas
CAHNNO	Computed from cahin: received no informal help with task
CAHNOR	Computed from cahin: received help with at least one tas
CAHNSI	Computed from cahin: received help with at least one tas
CAHNSO	Computed from cahin: received help with at least one tas
CATKA	Whether received help last month: walking 100 yards
CATKB	Whether received help last month: climbing several fligh
CATKC	Whether received help last month: climbing one flight of
CATKD	Whether received help last month: dressing, including pu
CATKE	Whether received help last month: walking across a room
CATKF	Whether received help last month: bathing or showering
CATKG	Whether received help last month: eating, such as cuttin
CATKH	Whether received help last month: getting in and out of
CATKI	Whether received help last month: using the toilet, incl
CATKJ	Whether received help last month: shopping for groceries
CATKK	Whether received help last month: taking medications
CATKL	Whether received help last month: doing work around the
CATKM	Whether received help last month: managing money, such a
HEADL96	ADL&IADL: difficulty with none of these
HEMOB96	Mobility: difficulty with none of these

**Care for ADLs or IADLs: Receives Informal Caregiving from Spouse**

Wave	Variable	Label	Type
1	R1RSCARE_E	r1rscare_e:w1 r receives informal care from spouse for adls/	Categ
2	R2RSCARE_E	r2rscare_e:w2 r receives informal care from spouse for adls/	Categ
3	R3RSCARE_E	r3rscare_e:w3 r receives informal care from spouse for adls/	Categ
4	R4RSCARE_E	r4rscare_e:w4 r receives informal care from spouse for adls/	Categ
5	R5RSCARE_E	r5rscare_e:w5 r receives informal care from spouse for adls/	Categ
6	R6RSCARE_E	r6rscare_e:w6 r receives informal care from spouse for adls/	Categ
7	R7RSCARE_E	r7rscare_e:w7 r receives informal care from spouse for adls/	Categ
8	R8RSCARE_E	r8rscare_e:w8 r receives informal care from spouse for adls/	Categ
9	R9RSCARE_E	r9rscare_e:w9 r receives informal care from spouse for adls/	Categ
1	S1RSCARE_E	s1rscare_e:w1 s receives informal care from spouse for adls/	Categ
2	S2RSCARE_E	s2rscare_e:w2 s receives informal care from spouse for adls/	Categ
3	S3RSCARE_E	s3rscare_e:w3 s receives informal care from spouse for adls/	Categ
4	S4RSCARE_E	s4rscare_e:w4 s receives informal care from spouse for adls/	Categ
5	S5RSCARE_E	s5rscare_e:w5 s receives informal care from spouse for adls/	Categ
6	S6RSCARE_E	s6rscare_e:w6 s receives informal care from spouse for adls/	Categ
7	S7RSCARE_E	s7rscare_e:w7 s receives informal care from spouse for adls/	Categ
8	S8RSCARE_E	s8rscare_e:w8 s receives informal care from spouse for adls/	Categ
9	S9RSCARE_E	s9rscare_e:w9 s receives informal care from spouse for adls/	Categ
6	R6RSCAREHPW_E	r6rscarehpw_e:w6 hours/week spouse helps r with adls/iadls/m	Cont
7	R7RSCAREHPW_E	r7rscarehpw_e:w7 hours/week spouse helps r with adls/iadls/m	Cont
8	R8RSCAREHPW_E	r8rscarehpw_e:w8 hours/week spouse helps r with adls/iadls/m	Cont
9	R9RSCAREHPW_E	r9rscarehpw_e:w9 hours/week spouse helps r with adls/iadls/m	Cont
6	S6RSCAREHPW_E	s6rscarehpw_e:w6 hours/week spouse helps s with adls/iadls/m	Cont
7	S7RSCAREHPW_E	s7rscarehpw_e:w7 hours/week spouse helps s with adls/iadls/m	Cont
8	S8RSCAREHPW_E	s8rscarehpw_e:w8 hours/week spouse helps s with adls/iadls/m	Cont
9	S9RSCAREHPW_E	s9rscarehpw_e:w9 hours/week spouse helps s with adls/iadls/m	Cont
6	R6RSCAREHPWM_E	r6rscarehpwm_e:w6 r spouse missing hours/week of help for ad	Categ
7	R7RSCAREHPWM_E	r7rscarehpwm_e:w7 r spouse missing hours/week of help for ad	Categ
8	R8RSCAREHPWM_E	r8rscarehpwm_e:w8 r spouse missing hours/week of help for ad	Categ
9	R9RSCAREHPWM_E	r9rscarehpwm_e:w9 r spouse missing hours/week of help for ad	Categ
6	S6RSCAREHPWM_E	s6rscarehpwm_e:w6 s spouse missing hours/week of help for ad	Categ
7	S7RSCAREHPWM_E	s7rscarehpwm_e:w7 s spouse missing hours/week of help for ad	Categ
8	S8RSCAREHPWM_E	s8rscarehpwm_e:w8 s spouse missing hours/week of help for ad	Categ
9	S9RSCAREHPWM_E	s9rscarehpwm_e:w9 s spouse missing hours/week of help for ad	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RSCARE_E	2765	0.55	0.50	0.00	1.00
R2RSCARE_E	2650	0.57	0.49	0.00	1.00
R3RSCARE_E	1866	0.53	0.50	0.00	1.00
R4RSCARE_E	2565	0.58	0.49	0.00	1.00
R5RSCARE_E	2458	0.58	0.49	0.00	1.00
R6RSCARE_E	2120	0.45	0.50	0.00	1.00
R7RSCARE_E	1869	0.45	0.50	0.00	1.00
R8RSCARE_E	1699	0.45	0.50	0.00	1.00
R9RSCARE_E	1625	0.47	0.50	0.00	1.00
S1RSCARE_E	1653	0.88	0.32	0.00	1.00
S2RSCARE_E	1615	0.89	0.31	0.00	1.00
S3RSCARE_E	1031	0.89	0.31	0.00	1.00



S4RSCARE_E	1539	0.91	0.28	0.00	1.00
S5RSCARE_E	1468	0.93	0.26	0.00	1.00
S6RSCARE_E	1139	0.81	0.39	0.00	1.00
S7RSCARE_E	998	0.80	0.40	0.00	1.00
S8RSCARE_E	935	0.76	0.42	0.00	1.00
S9RSCARE_E	870	0.81	0.39	0.00	1.00
R6RSCAREHPW_E	2113	10.95	30.20	0.00	134.00
R7RSCAREHPW_E	1859	11.00	30.14	0.00	134.00
R8RSCAREHPW_E	1692	10.27	28.64	0.00	134.00
R9RSCAREHPW_E	1617	12.26	31.63	0.00	134.00
S6RSCAREHPW_E	1132	20.14	38.88	0.00	134.00
S7RSCAREHPW_E	990	19.74	38.31	0.00	134.00
S8RSCAREHPW_E	928	18.10	36.27	0.00	134.00
S9RSCAREHPW_E	863	21.32	39.25	0.00	134.00
R6RSCAREHPWM_E	956	0.01	0.09	0.00	1.00
R7RSCAREHPWM_E	843	0.01	0.11	0.00	1.00
R8RSCAREHPWM_E	762	0.01	0.10	0.00	1.00
R9RSCAREHPWM_E	765	0.01	0.10	0.00	1.00
S6RSCAREHPWM_E	926	0.01	0.09	0.00	1.00
S7RSCAREHPWM_E	797	0.01	0.10	0.00	1.00
S8RSCAREHPWM_E	715	0.01	0.10	0.00	1.00
S9RSCAREHPWM_E	709	0.01	0.10	0.00	1.00

### Categorical Variable Codes

Value-----	R1RSCARE_E	R2RSCARE_E	R3RSCARE_E	R4RSCARE_E	R5RSCARE_E
.d:DK	13	3		2	3
.h:no help received	4131	3004	3197	3646	3389
.m:Missing			4		
.p:proxy	175		147		
.r:Refuse	4	1		7	6
.s:skipped			297		
.x:no difficulty	5011	3774	4255	4830	4418
0.no	1235	1129	878	1070	1026
1.yes	1530	1521	988	1495	1432

Value-----	R6RSCARE_E	R7RSCARE_E	R8RSCARE_E	R9RSCARE_E
.d:DK	2	2		2
.h:no help received	3543	3204	2967	2917
.n:institutional ivw	74	62	57	54
.r:Refuse	2		1	1
.x:no difficulty	4860	4529	3721	4137
0.no	1164	1026	937	860
1.yes	956	843	762	765

Value-----	S1RSCARE_E	S2RSCARE_E	S3RSCARE_E	S4RSCARE_E	S5RSCARE_E
.d:DK	9	2		2	3
.h:no help received	2589	1811	1935	2235	2121
.m:Missing			2		
.p:proxy	122		74		
.r:Refuse	3	1		6	4
.s:skipped			216		
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:no difficulty	3694	2749	3126	3620	3368
0.no	193	171	110	136	109
1.yes	1460	1444	921	1403	1359

Value-----	S6RSCARE_E	S7RSCARE_E	S8RSCARE_E	S9RSCARE_E
.d:DK	1	2		1
.h:no help received	2441	2172	1986	1938
.r:Refuse	2		1	

.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.x:no difficulty	3659	3388	2766	3011
0.no	213	201	220	161
1.yes	926	797	715	709
Value-----	R6RSCAREHPWM_E	R7RSCAREHPWM_E	R8RSCAREHPWM_E	R9RSCAREHPWM_E
.m:Missing	9645	8823	7683	7971
0.no	949	833	755	757
1.yes	7	10	7	8
Value-----	S6RSCAREHPWM_E	S7RSCAREHPWM_E	S8RSCAREHPWM_E	S9RSCAREHPWM_E
.m:Missing	6316	5763	4973	5111
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	919	789	708	702
1.yes	7	8	7	7

## How Constructed

The following variables indicate whether the respondent's spouse or partner helps the respondent with any ADL, IADL, or mobility needs. In Waves 1 through 5, if the respondent reports difficulty with at least one activity, then the respondent is asked a single question ascertaining whether they receive help with the ADL (dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet), IADL (preparing meal, shopping for groceries, making telephone calls, taking medication, doing work around the house, managing money), or mobility activities (walking 100 yards, sitting for 2 hours, getting up from chair, climbing several flights of stairs, climbing one flight of stairs, stooping, reaching arms, pulling large objects, lifting weights over 10 pounds, picking up a coin) they have difficulty with. In Waves 4 and 5, the respondent also reports difficulty with additional IADL activities: communicating and recognizing when they are in danger.

In Waves 1 and 2, if the respondent receives help then they are asked for the relationships of all the people who help them with those activities. In Waves 3 through 5, the respondent is asked for the relationships of all the people who help them if they report difficulty with an activity for each of the following groupings: 1.climbing stairs, walking across a room, getting in or out of bed, using the toilet, 2.bathing, getting dressed, 3.eating, preparing hot meals, 4.shopping for groceries, doing work around the house or garden, 5.making phone calls, managing money, 6.taking medication. In Waves 4 and 5, a seventh grouping is added that includes help with the following activities: walking 100 yards, sitting for 2 hours, getting out of a chair, stooping, reaching arms, pulling large objects, lifting 10 pounds, picking up a coin, reading a map, communicating, and recognizing when they are in danger.

Starting in Wave 6, if the respondent reports difficulty with at least one activity (same activities included in Waves 4 and 5), then the respondent is asked whether they receive help with each of the following activities: walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet, shopping for groceries, taking medication, doing work around the house or garden, and managing money. If the help they receive is at least partially due to a physical, mental, emotional or memory problem, then the respondent is asked for the relationships of all the people who help them if they report receiving help with an activity for each of the following groupings: 1.walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using a toilet, 2.bathing, getting dressed, 3.eating, 4.shopping for groceries, doing work around the house or garden, 5.taking medication, 6.managing money.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL, IADL, or mobility activity, and are coded as special missing .h if the respondent reports difficulty with an ADL, IADL, or mobility activity but does not receive any help. In Waves 1 and 3, they are coded as special missing .p if these questions were skipped because the interview was by proxy. In Wave 3, they are coded as special missing .s if the respondent had difficulty with only activities for which they were not asked whether they received help. Starting in Wave 6, they are coded as special missing .n if these questions were skipped because the respondent was in an institution at the time of the interview. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRSCARE\_E, RwRSCAREHPW\_E, and RwRSCAREHPWM\_E include help from the respondent's husband, wife, or partner.

RwRSCARE\_E indicates whether the respondent's spouse or partner helps the respondent with any ADL, IADL, or mobility needs. RwRSCARE\_E is coded as 0 if the respondent receives no assistance from their spouse, and coded as 1 if the respondent does receive help from their spouse.

RwRSCAREHPW\_E indicates the number of hours per week the respondent's spouse or partner helps the respondent with any ADL, IADL, or mobility needs. Respondents are asked how many hours they were helped by their spouse last week. The number of hours is collected as categories and the mid-point of the categories is used as follows: 0 (no help in the last week), 1 (less than 1 hour), 2.5 (1-4 hours), 7 (5-9 hours), 14.5 (10-19 hours), 27 (20-34 hours), 42 (35-49 hours), 74.5 (50-99 hours), 134 (100 hours or more). Don't know, refused, or other missing responses to RwRSCAREHPW\_E are assigned special missing .d, .r, and .m, respectively. RwRSCAREHPWM\_E indicates whether the value of hours per week the respondent's spouse helped was not reported and thereby not accounted for in RwRSCAREHPW\_E. RwRSCAREHPWM\_E is assigned special missing .m if the respondent was not helped by their spouse. RwRSCAREHPW\_E and RwRSCAREHPWM\_E are available starting in Wave 6. Please note that if the respondent says don't know or refuses to answer the number of hours provided by the spouse, then the respondent is asked whether the spouse provides less than 20 hours, 20-34 hours, or 35 hours or more of help. We have not included these responses in these variables.

SwRSCARE\_E and SwRSCAREHPW\_E indicate whether and the frequency with which the respondent's current wave's spouse receives help from the respondent, and their values are taken from RwRSCARE\_E and RwRSCAREHPW\_E. SwRSCAREHPWM\_E indicates whether the hours per week the spouse helped was not reported, and its values are taken from RwRSCAREHPWM\_E. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

There is a great deal of variation in the questions ascertaining whether the respondent has difficulty, receives help, and who helps across waves. In all waves, the respondent is asked whether they have difficulty with the following activities: dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet, preparing meal, shopping for groceries, making telephone calls, taking medication, doing work around the house, managing money, walking 100 yards, sitting for 2 hours, getting up from chair, climbing several flights of stairs, climbing one flight of stairs, stooping, reaching arms, pulling large objects, lifting weights over 10 pounds, and picking up a coin. Starting in Wave 4, the respondent also reports difficulty with communicating and recognizing when they are in danger.

In Waves 1 through 5, the respondent is asked whether they receive help if they report difficulty with any activity. Starting in Wave 6, the respondent is asked whether they receive help with a specific list of activities if they report difficulty with any activity. This is followed by a question asking whether any of this help is the result of a physical, mental, emotional, or memory problem, and if not, all other questions are skipped.

In Waves 1 and 2, the respondent is asked for the relationships of all the people who help them with any activity in a single question. Starting in Wave 3, the respondent is asked for the relationships of all the people who help them with particular activities according to groupings that vary by wave. In Waves 3 through 5, the groupings are as follows: 1.climbing stairs, walking across a room, getting in or out of bed, using the toilet, 2.bathing, getting dressed, 3.eating, preparing hot meals, 4.shopping for groceries, doing work around the house or garden, 5.making phone calls, managing money, 6.taking medication. In Waves 4 and 5, a seventh grouping is added that includes help with the following activities: walking 100 yards, sitting for 2 hours, getting out of a chair, stooping, reaching arms, pulling large objects, lifting 10 pounds, picking up a coin, reading a map, communicating, and recognizing when they are in danger. Starting in Wave 6, the groupings are as follows: 1.walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using a toilet, 2.bathing, getting dressed, 3.eating, 4.shopping for groceries, doing work around the house or garden, 5.taking medication, 6.managing money. Also starting in Wave 6, the types of helpers are divided into two questions representing informal helpers (family and friends) and formal helpers (professionals).

Proxy respondents are not asked these questions in Waves 1 and 3.

Institutionalized respondents are not asked these questions starting in Wave 6.

Respondents are not asked how many hours per week they receive help until Wave 6.

## Differences with the RAND HRS/Harmonized HRS

RwRSCARE in the Harmonized HRS indicates whether the respondent receives help from a current spouse or former spouse for difficulty with ADL or IADL activities. RwRSCARE\_E in the Harmonized ELSA indicates whether the respondent receives help from their current spouse or partner for difficulty with ADL, IADL, or mobility activities. Because the ELSA does not ask about care received with the same IADL activities and asks additionally about mobility activities, the "\_E" is included in the Harmonized ELSA variable name to indicate that the two concepts are similar but not directly comparable.

The Harmonized HRS includes RwRSCAREDPW and RwRSCAREHR indicating the days per week and hours per day the respondent receives help from their spouse, while the Harmonized ELSA includes RwRSCAREHPW\_E indicating the hours per week the respondent receives help from their spouse and these values were collected categorically rather than as a continuous value.

The HRS asks whether the respondent receives help after each ADL and IADL activity they report having difficulty with, and then asks separately who helps them with ADL activities, IADL activities, and managing money. This is quite different from how the ELSA collects this information, as described above.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
HEADA01	because of a health problem, do you have any difficultie
HEADB01	because of a health or memory problem, do you have any
HEHPA	thinking about the activities that you have problems wi
HEHPB01	who helps you with these activities? 1st
HEHPB02	who helps you with these activities? 2nd
HEHPB03	who helps you with these activities? 3rd
HEHPB04	who helps you with these activities? 4th
HEHPB05	who helps you with these activities? 5th
HEHPB06	who helps you with these activities? 6th
HEHPB07	who helps you with these activities? 7th
HEHPB08	who helps you with these activities? 8th
HEHPB09	who helps you with these activities? 9th
HEHPB10	who helps you with these activities? 10th
HEHPB11	who helps you with these activities? 11th
HEHPB12	who helps you with these activities? 12th
HEHPB13	who helps you with these activities? 13th
HEHPB14	who helps you with these activities? 14th
HEHPB15	who helps you with these activities? 15th
HEHPB16	who helps you with these activities? 16th

### Wave 2 Core:

HEADA01	ADL: activity has problem with due to health/physical pr
HEADB01	IADL: activity has problem with due to health/physical p
HEHPA	ADL & IADL: whether ever has help with these activities
HEHPB01	ADL & IADL: who helps with these activities (1st mention
HEHPB02	ADL & IADL: who helps with these activities (2nd mention
HEHPB03	ADL & IADL: who helps with these activities (3rd mention
HEHPB04	ADL & IADL: who helps with these activities (4th mention
HEHPB05	ADL & IADL: who helps with these activities (5th mention
HEHPB06	ADL & IADL: who helps with these activities (6th mention
HEHPB07	ADL & IADL: who helps with these activities (7th mention
HEHPB08	ADL & IADL: who helps with these activities (8th mention
HEHPB09	ADL & IADL: who helps with these activities (9th mention

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
HEADL96	adl&iadl: whether said had none of listed difficulties
HEADLBA	adl: difficulty bathing or showering
HEADLBE	adl: difficulty getting in and out of bed

HEADLDR adl: difficulty dressing, including putting on shoes and  
 HEADLEA adl: difficulty eating, such as cutting up food  
 HEADLHO iadl: difficulty doing work around house and garden  
 HEADLMA iadl: difficulty using map to figure out how to get arou  
 HEADLME iadl: difficulty taking medications  
 HEADLMO iadl: difficulty managing money, eg paying bills,keeping  
 HEADLPH iadl: difficulty making telephone calls  
 HEADLPR iadl: difficulty preparing a hot meal  
 HEADLSH iadl: difficulty shopping for groceries  
 HEADLWA adl: difficulty walking across a room  
 HEADLWC adl: difficulty using the toilet, including getting up o  
 HEHPA functioning: whether ever has help with mobility, adl, i  
 HEHPD96 whether receives help preparing a meal or eating: no hel  
 HEHPDSP whether receives help preparing a meal or eating from sp  
 HEHPH96 whether receives help moving around house: no help recei  
 HEHPHSP whether receives help moving around house from spouse or  
 HEHPM96 whether receives help taking medication: no help receive  
 HEHPMSP whether receives help taking medication from spouse or p  
 HEHPP96 whether receives help to shop/do work round house: no he  
 HEHPPSP whether receives help to shop/do work round house from s  
 HEHPT96 whether receives help using phone/managing money: no hel  
 HEHPTSP whether receives help using phone/managing money from sp  
 HEHPW96 whether receives help to wash/dress: no help received  
 HEHPWSP whether receives help to wash/dress from spouse or partn  
 HEMOB96 mobility: whether said had none of listed difficulties  
 HEMOBCH mobility: difficulty getting up from chair after sitting  
 HEMOBCL mobility: difficulty climbing one flight stairs without  
 HEMOBCS mobility: difficulty climbing several flights stairs wit  
 HEMOBLI mobility: difficulty lifting or carrying weights over 10  
 HEMOBPI mobility: difficulty picking up 5p coin from table  
 HEMOBPU mobility: difficulty pulling or pushing large objects  
 HEMOBRE mobility: difficulty reaching or extending arms above sh  
 HEMOBSI mobility: difficulty sitting 2 hours  
 HEMOBST mobility: difficulty stooping, kneeling or crouching  
 HEMOBWA mobility: difficulty walking 100 yards

## Wave 4 Core:

HEADL96 adl&iadl: whether said had none of listed difficulties  
 HEHPA functioning: whether ever has help with mobility, adl, i  
 HEHPB96 whether receives help with other difficulty: no help rec  
 HEHPBSP whether receives help with other difficulty from spouse  
 HEHPD96 whether receives help preparing a meal or eating: no hel  
 HEHPDSP whether receives help preparing a meal or eating from sp  
 HEHPH96 whether receives help moving around house: no help recei  
 HEHPHSP whether receives help moving around house from spouse or  
 HEHPM96 whether receives help taking medication: no help receive  
 HEHPMSP whether receives help taking medication from spouse or p  
 HEHPP96 whether receives help to shop/do work round house: no he  
 HEHPPSP whether receives help to shop/do work round house from s  
 HEHPT96 whether receives help using phone/managing money: no hel  
 HEHPTSP whether receives help using phone/managing money from sp  
 HEHPW96 whether receives help to wash/dress: no help received  
 HEHPWSP whether receives help to wash/dress from spouse or partn  
 HEMOB96 mobility: whether said had none of listed difficulties

## Wave 5 Core:

HEADL96 ADL&IADL: whether said had none of listed difficulties  
 HEHPA Functioning: whether ever has help with mobility, ADL, I  
 HEHPB96 Whether receives help with other difficulty: no help rec  
 HEHPBSP Whether receives help with other difficulty from spouse  
 HEHPD96 Whether receives help preparing a meal or eating: no hel  
 HEHPDSP Whether receives help preparing a meal or eating from sp  
 HEHPH96 Whether receives help with other difficulty: no help rec  
 HEHPHSP Whether receives help with moving round house from spous  
 HEHPM96 Whether receives help taking medication: no help receive

HEHPMSP	Whether receives help taking medication from spouse or p
HEHPP96	Whether receives help to shop/do work round house: no he
HEHPPSP	Whether receives help to shop/do work round housefrom sp
HEHPT96	Whether receives help using phone/managing money: no hel
HEHPTSP	Whether receives help using phone/managing money from sp
HEHPW96	Whether receives help to wash/dress: no help received
HEHPWSP	Whether receives help to wash/dress from spouse or partn
HEMOB96	Mobility: whether said had none of listed difficulties
Wave 6 Core:	
ASKINST	whether respondent had an institutional interview
CAHNHW	computed from cahin:received help with at least one task
CAHNNO	computed from cahin:received no informal help with tasks
CAHRI01	asked : informal help - hours of help received in last w
CATKA	received help in last month: walking 100 yards
CATKB	received help in last month: climbing several flights of
CATKC	received help in last month: climbing one flight of stai
CATKD	received help in last month: dressing, including putting
CATKE	received help in last month: walking across a room
CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including
CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties
Wave 7 Core:	
ASKINST	whether respondent had an institutional interview
CAHNHW	computed from cahin:received help with at least one task
CAHNNO	computed from cahin:received no informal help with tasks
CAHRI01	asked : informal help - hours of help received in last w
CATKA	received help in last month: walking 100 yards
CATKB	received help in last month: climbing several flights of
CATKC	received help in last month: climbing one flight of stai
CATKD	received help in last month: dressing, including putting
CATKE	received help in last month: walking across a room
CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including
CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties
Wave 8 Core:	
ASKINST	computed: whether respondent had an institutional interv
CAHNHW	computed from cahin: received help with at least one tas
CAHNNO	computed from cahin: received no informal help with task
CAHRI01	informal help: hours of help received in last week: husb
CATKA	whether received help last month: walking 100 yards
CATKB	whether received help last month: climbing several fligh
CATKC	whether received help last month: climbing one flight of
CATKD	whether received help last month: dressing, including pu
CATKE	whether received help last month: walking across a room
CATKF	whether received help last month: bathing or showering
CATKG	whether received help last month: eating, such as cuttin
CATKH	whether received help last month: getting in and out of
CATKI	whether received help last month: using the toilet, incl
CATKJ	whether received help last month: shopping for groceries

CATKK	whether received help last month: taking medications
CATKL	whether received help last month: doing work around the
HEADL96	adl&iadl: difficulty with none of these
HEMOB96	mobility: difficulty with none of these
Wave 9 Core:	
ASKINST	Computed: whether respondent had an institutional interv
CAHNHW	Computed from cahin: received help with at least one tas
CAHNNO	Computed from cahin: received no informal help with task
CAHRI01	Informal help: hours of help received in last week: Husb
CATKA	Whether received help last month: walking 100 yards
CATKB	Whether received help last month: climbing several fligh
CATKC	Whether received help last month: climbing one flight of
CATKD	Whether received help last month: dressing, including pu
CATKE	Whether received help last month: walking across a room
CATKF	Whether received help last month: bathing or showering
CATKG	Whether received help last month: eating, such as cuttin
CATKH	Whether received help last month: getting in and out of
CATKI	Whether received help last month: using the toilet, incl
CATKJ	Whether received help last month: shopping for groceries
CATKK	Whether received help last month: taking medications
CATKL	Whether received help last month: doing work around the
HEADL96	ADL&IADL: difficulty with none of these
HEMOB96	Mobility: difficulty with none of these

<b>Care for ADLs or IADLs: Receives Informal Caregiving from Children or Grandchildren</b>
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Wave	Variable	Label	Type
1	R1RCCARE_E	r1rcccare_e:w1 r receives informal care from kids/grandkids f	Categ
2	R2RCCARE_E	r2rcccare_e:w2 r receives informal care from kids/grandkids f	Categ
3	R3RCCARE_E	r3rcccare_e:w3 r receives informal care from kids/grandkids f	Categ
4	R4RCCARE_E	r4rcccare_e:w4 r receives informal care from kids/grandkids f	Categ
5	R5RCCARE_E	r5rcccare_e:w5 r receives informal care from kids/grandkids f	Categ
6	R6RCCARE_E	r6rcccare_e:w6 r receives informal care from kids/grandkids f	Categ
7	R7RCCARE_E	r7rcccare_e:w7 r receives informal care from kids/grandkids f	Categ
8	R8RCCARE_E	r8rcccare_e:w8 r receives informal care from kids/grandkids f	Categ
9	R9RCCARE_E	r9rcccare_e:w9 r receives informal care from kids/grandkids f	Categ
1	S1RCCARE_E	s1rcccare_e:w1 s receives informal care from kids/grandkids f	Categ
2	S2RCCARE_E	s2rcccare_e:w2 s receives informal care from kids/grandkids f	Categ
3	S3RCCARE_E	s3rcccare_e:w3 s receives informal care from kids/grandkids f	Categ
4	S4RCCARE_E	s4rcccare_e:w4 s receives informal care from kids/grandkids f	Categ
5	S5RCCARE_E	s5rcccare_e:w5 s receives informal care from kids/grandkids f	Categ
6	S6RCCARE_E	s6rcccare_e:w6 s receives informal care from kids/grandkids f	Categ
7	S7RCCARE_E	s7rcccare_e:w7 s receives informal care from kids/grandkids f	Categ
8	S8RCCARE_E	s8rcccare_e:w8 s receives informal care from kids/grandkids f	Categ
9	S9RCCARE_E	s9rcccare_e:w9 s receives informal care from kids/grandkids f	Categ
1	R1RCCAREN_E	r1rcccaren_e:w1 # kids/grandkids who help r with adls/iadls/m	Cont
2	R2RCCAREN_E	r2rcccaren_e:w2 # kids/grandkids who help r with adls/iadls/m	Cont
6	R6RCCAREN_E	r6rcccaren_e:w6 # kids/grandkids who help r with adls/iadls/m	Cont
7	R7RCCAREN_E	r7rcccaren_e:w7 # kids/grandkids who help r with adls/iadls/m	Cont
8	R8RCCAREN_E	r8rcccaren_e:w8 # kids/grandkids who help r with adls/iadls/m	Cont
9	R9RCCAREN_E	r9rcccaren_e:w9 # kids/grandkids who help r with adls/iadls/m	Cont
1	S1RCCAREN_E	s1rcccaren_e:w1 # kids/grandkids who help s with adls/iadls/m	Cont
2	S2RCCAREN_E	s2rcccaren_e:w2 # kids/grandkids who help s with adls/iadls/m	Cont
6	S6RCCAREN_E	s6rcccaren_e:w6 # kids/grandkids who help s with adls/iadls/m	Cont
7	S7RCCAREN_E	s7rcccaren_e:w7 # kids/grandkids who help s with adls/iadls/m	Cont
8	S8RCCAREN_E	s8rcccaren_e:w8 # kids/grandkids who help s with adls/iadls/m	Cont
9	S9RCCAREN_E	s9rcccaren_e:w9 # kids/grandkids who help s with adls/iadls/m	Cont
6	R6RCCAREHPW_E	r6rcccarehpw_e:w6 hours/week kids/grandkids help r with adls/	Cont
7	R7RCCAREHPW_E	r7rcccarehpw_e:w7 hours/week kids/grandkids help r with adls/	Cont
8	R8RCCAREHPW_E	r8rcccarehpw_e:w8 hours/week kids/grandkids help r with adls/	Cont
9	R9RCCAREHPW_E	r9rcccarehpw_e:w9 hours/week kids/grandkids help r with adls/	Cont
6	S6RCCAREHPW_E	s6rcccarehpw_e:w6 hours/week kids/grandkids help s with adls/	Cont
7	S7RCCAREHPW_E	s7rcccarehpw_e:w7 hours/week kids/grandkids help s with adls/	Cont
8	S8RCCAREHPW_E	s8rcccarehpw_e:w8 hours/week kids/grandkids help s with adls/	Cont
9	S9RCCAREHPW_E	s9rcccarehpw_e:w9 hours/week kids/grandkids help s with adls/	Cont
6	R6RCCAREHPWM_E	r6rcccarehpwm_e:w6 r kids/grandkids missing hours/week of hel	Cont
7	R7RCCAREHPWM_E	r7rcccarehpwm_e:w7 r kids/grandkids missing hours/week of hel	Cont
8	R8RCCAREHPWM_E	r8rcccarehpwm_e:w8 r kids/grandkids missing hours/week of hel	Cont
9	R9RCCAREHPWM_E	r9rcccarehpwm_e:w9 r kids/grandkids missing hours/week of hel	Cont
6	S6RCCAREHPWM_E	s6rcccarehpwm_e:w6 s kids/grandkids missing hours/week of hel	Cont
7	S7RCCAREHPWM_E	s7rcccarehpwm_e:w7 s kids/grandkids missing hours/week of hel	Cont
8	S8RCCAREHPWM_E	s8rcccarehpwm_e:w8 s kids/grandkids missing hours/week of hel	Cont
9	S9RCCAREHPWM_E	s9rcccarehpwm_e:w9 s kids/grandkids missing hours/week of hel	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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R1RCCARE_E	2765	0.41	0.49	0.00	1.00
R2RCCARE_E	2650	0.39	0.49	0.00	1.00
R3RCCARE_E	1866	0.39	0.49	0.00	1.00
R4RCCARE_E	2565	0.31	0.46	0.00	1.00
R5RCCARE_E	2458	0.31	0.46	0.00	1.00
R6RCCARE_E	2120	0.37	0.48	0.00	1.00
R7RCCARE_E	1869	0.38	0.49	0.00	1.00
R8RCCARE_E	1699	0.36	0.48	0.00	1.00
R9RCCARE_E	1625	0.38	0.48	0.00	1.00
S1RCCARE_E	1653	0.28	0.45	0.00	1.00
S2RCCARE_E	1615	0.24	0.43	0.00	1.00
S3RCCARE_E	1031	0.22	0.42	0.00	1.00
S4RCCARE_E	1539	0.17	0.37	0.00	1.00
S5RCCARE_E	1468	0.16	0.37	0.00	1.00
S6RCCARE_E	1139	0.22	0.41	0.00	1.00
S7RCCARE_E	998	0.25	0.43	0.00	1.00
S8RCCARE_E	935	0.22	0.41	0.00	1.00
S9RCCARE_E	870	0.24	0.43	0.00	1.00
R1RCCAREN_E	2765	0.60	0.89	0.00	6.00
R2RCCAREN_E	2650	0.59	0.92	0.00	6.00
R6RCCAREN_E	2120	0.58	0.93	0.00	7.00
R7RCCAREN_E	1869	0.60	0.93	0.00	7.00
R8RCCAREN_E	1699	0.57	0.95	0.00	9.00
R9RCCAREN_E	1625	0.61	0.95	0.00	5.00
S1RCCAREN_E	1653	0.40	0.75	0.00	6.00
S2RCCAREN_E	1615	0.34	0.73	0.00	6.00
S6RCCAREN_E	1139	0.36	0.79	0.00	6.00
S7RCCAREN_E	998	0.39	0.80	0.00	6.00
S8RCCAREN_E	935	0.35	0.80	0.00	9.00
S9RCCAREN_E	870	0.39	0.81	0.00	5.00
R6RCCAREHPW_E	2115	5.30	18.74	0.00	268.00
R7RCCAREHPW_E	1864	5.48	18.63	0.00	268.00
R8RCCAREHPW_E	1693	4.82	17.59	0.00	176.00
R9RCCAREHPW_E	1621	6.21	24.28	0.00	402.00
S6RCCAREHPW_E	1139	2.78	14.67	0.00	268.00
S7RCCAREHPW_E	998	2.39	9.34	0.00	139.00
S8RCCAREHPW_E	934	2.26	11.11	0.00	157.50
S9RCCAREHPW_E	869	3.57	17.32	0.00	223.50
R6RCCAREHPWM_E	776	0.02	0.16	0.00	3.00
R7RCCAREHPWM_E	711	0.01	0.10	0.00	1.00
R8RCCAREHPWM_E	610	0.01	0.13	0.00	2.00
R9RCCAREHPWM_E	614	0.01	0.09	0.00	1.00
S6RCCAREHPWM_E	249	0.00	0.00	0.00	0.00
S7RCCAREHPWM_E	247	0.00	0.00	0.00	0.00
S8RCCAREHPWM_E	205	0.01	0.10	0.00	1.00
S9RCCAREHPWM_E	213	0.00	0.07	0.00	1.00

### Categorical Variable Codes

Value-----	R1RCCARE_E	R2RCCARE_E	R3RCCARE_E	R4RCCARE_E	R5RCCARE_E
.d:DK	13	3		2	3
.h:no help received	4131	3004	3197	3646	3389
.m:Missing			4		
.p:proxy	175		147		
.r:Refuse	4	1		7	6

.s:skipped				297		
.x:no difficulty	5011	3774	4255	4830	4418	
0.no	1642	1626	1146	1771	1707	
1.yes	1123	1024	720	794	751	
Value-----	R6RCCARE_E	R7RCCARE_E	R8RCCARE_E	R9RCCARE_E		
.d:DK	2	2		2		
.h:no help received	3543	3204	2967	2917		
.n:institutional ivw	74	62	57	54		
.r:Refuse	2		1	1		
.x:no difficulty	4860	4529	3721	4137		
0.no	1344	1158	1089	1011		
1.yes	776	711	610	614		
Value-----	S1RCCARE_E	S2RCCARE_E	S3RCCARE_E	S4RCCARE_E	S5RCCARE_E	
.d:DK	9	2		2	3	
.h:no help received	2589	1811	1935	2235	2121	
.m:Missing			2			
.p:proxy	122		74			
.r:Refuse	3	1		6	4	
.s:skipped			216			
.u:Unmar	3561	2671	2706	2932	2742	
.v:SP NR	468	583	676	716	568	
.x:no difficulty	3694	2749	3126	3620	3368	
0.no	1195	1228	802	1281	1235	
1.yes	458	387	229	258	233	
Value-----	S6RCCARE_E	S7RCCARE_E	S8RCCARE_E	S9RCCARE_E		
.d:DK	1	2		1		
.h:no help received	2441	2172	1986	1938		
.r:Refuse	2		1			
.u:Unmar	2802	2548	2255	2286		
.v:SP NR	557	558	502	630		
.x:no difficulty	3659	3388	2766	3011		
0.no	890	751	730	657		
1.yes	249	247	205	213		

## How Constructed

The following variables indicate whether the respondent's children or grandchildren help the respondent with any ADL, IADL, or mobility needs. In Waves 1 through 5, if the respondent reports difficulty with at least one activity, then the respondent is asked a single question ascertaining whether they receive help with the ADL (dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet), IADL (preparing meal, shopping for groceries, making telephone calls, taking medication, doing work around the house, managing money), or mobility activities (walking 100 yards, sitting for 2 hours, getting up from chair, climbing several flights of stairs, climbing one flight of stairs, stooping, reaching arms, pulling large objects, lifting weights over 10 pounds, picking up a coin) they have difficulty with. In Waves 4 and 5, the respondent also reports difficulty with additional IADL activities: communicating and recognizing when they are in danger.

In Waves 1 and 2, if the respondent receives help then they are asked for the relationships of all the people who help them with those activities. In Waves 3 through 5, the respondent is asked for the relationships of all the people who help them if they report difficulty with an activity for each of the following groupings: 1.climbing stairs, walking across a room, getting in or out of bed, using the toilet, 2.bathing, getting dressed, 3.eating, preparing hot meals, 4.shopping for groceries, doing work around the house or garden, 5.making phone calls, managing money, 6.taking medication. In Waves 4 and 5, a seventh grouping is added that includes help with the following activities: walking 100 yards, sitting for 2 hours, getting out of a chair, stooping, reaching arms, pulling large objects, lifting 10 pounds, picking up a coin, reading a map, communicating, and recognizing when they are in danger.

Starting in Wave 6, if the respondent reports difficulty with at least one activity (same activities included in Waves 4 and 5), then the respondent is asked whether they receive help with each of the following activities: walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet, shopping for groceries, taking medication, doing work around the house or garden, and managing money. If the help they receive is at least partially due to a physical, mental, emotional or memory problem, then the respondent is asked for the relationships of all the people who help them if they report receiving

help with an activity for each of the following groupings: 1.walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using a toilet, 2.bathing, getting dressed, 3.eating, 4.shopping for groceries, doing work around the house or garden, 5.taking medication, 6.managing money.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL, IADL, or mobility activity, and are coded as special missing .h if the respondent reports difficulty with an ADL, IADL, or mobility activity but does not receive any help. In Waves 1 and 3, they are coded as special missing .p if these questions were skipped because the interview was by proxy. In Wave 3, they are coded as special missing .s if the respondent had difficulty with only activities for which they were not asked whether they received help. Starting in Wave 6, they are coded as special missing .n if these questions were skipped because the respondent was in an institution at the time of the interview. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRCCARE\_E, RwRCCAREN\_E, RwRCCAREHPW\_E, and RwRCCAREHPWM\_E include help from the respondent's children or grandchildren. In Waves 1 through 3 this includes help from their son, son-in-law, daughter, daughter-in-law, grandson, and granddaughter. In Wave 4, help with moving around the house, washing and dressing, preparing or eating a meal, doing work around the house, using phone or managing money, or taking medications includes help from their son and daughter. In Wave 4, help with walking 100 yards, sitting for 2 hours, getting out of a chair, stooping, reaching arms, pulling large objects, lifting 10 pounds, picking up a coin, reading a map, communicating, and recognizing when they are in danger included help from their son, son-in-law, daughter, daughter-in-law, grandson, and granddaughter. In Wave 5, this includes help from their son or daughter. Starting in Wave 6 this includes help from their son (including step-son, adopted son, or son-in-law), daughter (including step-daughter, adopted daughter, or daughter-in-law), and grandchild (including great grandchildren).

RwRCCARE\_E indicates whether the respondent's children or grandchildren help the respondent with any ADL, IADL, or mobility needs. RwRCCARE\_E is coded as 0 if the respondent receives no assistance from their children or grandchildren, and coded as 1 if the respondent does receive help from their children or grandchildren. RwRCCAREN\_E is the count of the number of children who help the respondent with any ADL, IADL, or mobility needs. In Waves 1 and 2, RwRCCAREN\_E is calculated using the relationships of all the helpers reported. Starting in Wave 6, RwRCCAREN\_E is calculated using the hours of help reported for up to 3 sons, 3 daughters, and 3 grandchildren. RwRCCAREN\_E is not available in Waves 3 through 5.

RwRCCAREHPW\_E indicates the number of hours per week the respondent's children or grandchildren help the respondent with any ADL, IADL, or mobility needs. Respondents are asked how many hours they were helped by their children or grandchildren last week. The number of hours is collected in categories and the mid-point of the categories is used to calculate the total hours as follows: 0 (no help in the last week), 1 (less than 1 hour), 2.5 (1-4 hours), 7 (5-9 hours), 14.5 (10-19 hours), 27 (20-34 hours), 42 (35-49 hours), 74.5 (50-99 hours), 134 (100 hours or more). RwRCCAREHPW\_E is the sum of all the hours per week for all children or grandchildren helpers, so the value can be over 168. RwRCCAREHPW\_E is calculated as long as there is at least one non-missing value. RwRCCAREHPWM\_E indicates the number of children or grandchildren who helped the respondent for whom no value of hours was reported and was not accounted for in RwRCCAREHPW\_E. RwRCCAREHPWM\_E is assigned special missing .m if the respondent was not helped by any children or grandchildren. Don't know, refused, or other missing responses to RwRCCAREHPW\_E are assigned special missing .d, .r, and .m, respectively. RwRCCAREHPW\_E and RwRCCAREHPWM\_E are available starting in Wave 6. Please note that if the respondent says don't know or refuses to answer the number of hours provided by children or grandchildren, then the respondent is asked whether each child or grandchild provides less than 20 hours, 20-34 hours, or 35 hours or more of help. We have not included these responses in these variables.

SwRCCARE\_E, SwRCCAREN\_E, and SwRCCAREHPW\_E indicate whether, the number, and the frequency with which the respondent's current wave's spouse receives help from their children or grandchildren, and their values are taken from RwRCCARE\_E, RwRCCAREN\_E, and RwRCCAREHPW\_E. SwRCCAREHPWM\_E is the count of children and grandchildren who are missing values for hours helped, and its values are taken from RwRCCAREHPWM\_E. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

There is a great deal of variation in the questions ascertaining whether the respondent has difficulty, receives help, and who helps across waves. In all waves, the respondent is asked whether they have difficulty with the following activities: dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet, preparing meal, shopping for groceries, making telephone calls, taking medication, doing work around the house, managing money, walking 100 yards, sitting for 2 hours, getting up from chair, climbing several flights of stairs, climbing one flight of stairs, stooping, reaching arms, pulling large objects, lifting weights over 10 pounds, and picking up a coin. Starting in Wave 4, the respondent also reports difficulty with communicating and recognizing when they are in danger.

In Waves 1 through 5, the respondent is asked whether they receive help if they report difficulty with any activity. Starting in Wave 6, the respondent is asked whether they receive help with a specific list of activities if they report difficulty with any activity. This is followed by a question asking whether any of this help is the result of a physical, mental, emotional, or memory problem, and if not, all other questions are skipped.

In Waves 1 and 2, the respondent is asked for the relationships of all the people who help them with any activity in a single question. Starting in Wave 3, the respondent is asked for the relationships of all the people who help them with particular activities according to groupings that vary by wave. In Waves 3 through 5, the groupings are as follows: 1.climbing stairs, walking across a room, getting in or out of bed, using the toilet, 2.bathing, getting dressed, 3.eating, preparing hot meals, 4.shopping for groceries, doing work around the house or garden, 5.making phone calls, managing money, 6.taking medication. In Waves 4 and 5, a seventh grouping is added that includes help with the following activities: walking 100 yards, sitting for 2 hours, getting out of a chair, stooping, reaching arms, pulling large objects, lifting 10 pounds, picking up a coin, reading a map, communicating, and recognizing when they are in danger. Starting in Wave 6, the groupings are as follows: 1.walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using a toilet, 2.bathing, getting dressed, 3.eating, 4.shopping for groceries, doing work around the house or garden, 5.taking medication, 6.managing money. Also starting in Wave 6, the types of helpers are divided into two questions representing informal helpers (family and friends) and formal helpers (professionals).

In Waves 1 through 3 these variables include help from their son, son-in-law, daughter, daughter-in-law, grandson, and granddaughter. In Wave 4, help with moving around the house, washing and dressing, preparing or eating a meal, doing work around the house, using phone or managing money, or taking medications includes help from their son and daughter. In Wave 4, help with walking 100 yards, sitting for 2 hours, getting out of a chair, stooping, reaching arms, pulling large objects, lifting 10 pounds, picking up a coin, reading a map, communicating, and recognizing when they are in danger included help from their son, son-in-law, daughter, daughter-in-law, grandson, and granddaughter. In Wave 5, this includes help from their son or daughter. Starting in Wave 6 these variables include help from their son (including step-son, adopted son, or son-in-law), daughter (including step-daughter, adopted daughter, or daughter-in-law), and grandchild (including great grandchildren).

Proxy respondents are not asked these questions in Waves 1 and 3.

Due to the way the questions are asked and the data is stored, we are able to calculate the number of children helpers in Waves 1 and 2 and starting again in Wave 6, but are not able to do so in Waves 3 through 5.

Institutionalized respondents are not asked these questions starting in Wave 6.

Respondents are not asked how many hours per week they receive help until Wave 6.

## **Differences with the RAND HRS/Harmonized HRS**

RwRCCARE and RwRCCAREN in the Harmonized HRS indicate whether and the number of children or grandchildren who help the respondent with ADL or IADL activities. RwRCCARE\_E and RwRCCAREN\_E in the Harmonized ELSA indicate whether and the number of children or grandchildren who help the respondent with ADL, IADL, or mobility activities. Because the ELSA does not ask about care received with the same IADL activities and asks additionally about mobility activities, the "\_E" is included in the Harmonized ELSA variable name to indicate that the two concepts are similar but not directly comparable. The number of children or grandchildren helpers can be created for all waves of the Harmonized HRS, but not for all waves of the Harmonized ELSA.

The Harmonized HRS includes RwrCCAREDPW and RwrCCAREHR indicating the days per week and hours per day the respondent receives help from their children or grandchildren, while the Harmonized ELSA includes RwrCCAREHPW\_E indicating the hours per week the respondent receives help from their children or grandchildren and these values were collected categorically rather than as a continuous value.

The HRS asks whether the respondent receives help after each ADL and IADL activity they report having difficulty with, and then asks separately who helps them with ADL activities, IADL activities, and managing money. This is quite different from how the ELSA collects this information, as described above.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
HEADA01	because of a health problem, do you have any difficultie
HEADB01	because of a health or memory problem, do you have any
HEHPA	thinking about the activities that you have problems wi
HEHPB01	who helps you with these activities? 1st
HEHPB02	who helps you with these activities? 2nd
HEHPB03	who helps you with these activities? 3rd
HEHPB04	who helps you with these activities? 4th
HEHPB05	who helps you with these activities? 5th
HEHPB06	who helps you with these activities? 6th
HEHPB07	who helps you with these activities? 7th
HEHPB08	who helps you with these activities? 8th
HEHPB09	who helps you with these activities? 9th
HEHPB10	who helps you with these activities? 10th
HEHPB11	who helps you with these activities? 11th
HEHPB12	who helps you with these activities? 12th
HEHPB13	who helps you with these activities? 13th
HEHPB14	who helps you with these activities? 14th
HEHPB15	who helps you with these activities? 15th
HEHPB16	who helps you with these activities? 16th

### Wave 2 Core:

HEADA01	ADL: activity has problem with due to health/physical pr
HEADB01	IADL: activity has problem with due to health/physical p
HEHPA	ADL & IADL: whether ever has help with these activities
HEHPB01	ADL & IADL: who helps with these activities (1st mention
HEHPB02	ADL & IADL: who helps with these activities (2nd mention
HEHPB03	ADL & IADL: who helps with these activities (3rd mention
HEHPB04	ADL & IADL: who helps with these activities (4th mention
HEHPB05	ADL & IADL: who helps with these activities (5th mention
HEHPB06	ADL & IADL: who helps with these activities (6th mention
HEHPB07	ADL & IADL: who helps with these activities (7th mention
HEHPB08	ADL & IADL: who helps with these activities (8th mention
HEHPB09	ADL & IADL: who helps with these activities (9th mention

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
HEADL96	adl&iadl: whether said had none of listed difficulties
HEADLBA	adl: difficulty bathing or showering
HEADLBE	adl: difficulty getting in and out of bed
HEADLDR	adl: difficulty dressing, including putting on shoes and
HEADLEA	adl: difficulty eating, such as cutting up food
HEADLHO	iadl: difficulty doing work around house and garden
HEADLMA	iadl: difficulty using map to figure out how to get arou
HEADLME	iadl: difficulty taking medications
HEADLMO	iadl: difficulty managing money, eg paying bills, keeping
HEADLPH	iadl: difficulty making telephone calls
HEADLPR	iadl: difficulty preparing a hot meal
HEADLSH	iadl: difficulty shopping for groceries
HEADLWA	adl: difficulty walking across a room
HEADLWC	adl: difficulty using the toilet, including getting up o
HEHPA	functioning: whether ever has help with mobility, adl, i
HEHPD96	whether receives help preparing a meal or eating: no hel

HEHPDDA whether receives help preparing a meal or eating from da  
 HEHPDDL whether receives help preparing a meal or eating from da  
 HEHPDGD whether receives help preparing a meal or eating from gr  
 HEHPDGS whether receives help preparing a meal or eating from gr  
 HEHPDSL whether receives help preparing a meal or eating from so  
 HEHPDSO whether receives help preparing a meal or eating from so  
 HEHPH96 whether receives help moving around house: no help recei  
 HEHPHDA whether receives help moving around house from daughter  
 HEHPHDL whether receives help moving around house from daughter-  
 HEHPHGD whether receives help moving around house from granddaug  
 HEHPHGS whether receives help moving around house from grandson  
 HEHPHSL whether receives help moving around house from son-in-la  
 HEHPHSO whether receives help moving around house from son  
 HEHPM96 whether receives help taking medication: no help receive  
 HEHPMDA whether receives help taking medication from daughter  
 HEHPMDL whether receives help taking medication from daughter-in  
 HEHPMGD whether receives help taking medication from granddaught  
 HEHPMGS whether receives help taking medication from grandson  
 HEHPMSL whether receives help taking medication from son-in-law  
 HEHPMSO whether receives help taking medication from son  
 HEHP96 whether receives help to shop/do work round house: no he  
 HEHPDA whether receives help to shop/do work round house from d  
 HEHPDL whether receives help to shop/do work round house from d  
 HEHPGD whether receives help to shop/do work round house from g  
 HEHPGS whether receives help to shop/do work round house from g  
 HEHPSL whether receives help to shop/do work round house from s  
 HEHP96 whether receives help to shop/do work round house from s  
 HEHPT96 whether receives help using phone/managing money: no hel  
 HEHPTDA whether receives help using phone/managing money from da  
 HEHPTDL whether receives help using phone/managing money from da  
 HEHPTGD whether receives help using phone/managing money from gr  
 HEHPTGS whether receives help using phone/managing money from gr  
 HEHPTSL whether receives help using phone/managing money from so  
 HEHPTSO whether receives help using phone/managing money from so  
 HEHPW96 whether receives help to wash/dress: no help received  
 HEHPWDA whether receives help to wash/dress from daughter  
 HEHPWDL whether receives help to wash/dress from daughter-in-law  
 HEHPWGD whether receives help to wash/dress from granddaughter  
 HEHPWGS whether receives help to wash/dress from grandson  
 HEHPWSL whether receives help to wash/dress from son-in-law  
 HEHPWSO whether receives help to wash/dress from son  
 HEMOB96 mobility: whether said had none of listed difficulties  
 HEMOBCH mobility: difficulty getting up from chair after sitting  
 HEMOBCL mobility: difficulty climbing one flight stairs without  
 HEMOBCS mobility: difficulty climbing several flights stairs wit  
 HEMOBLI mobility: difficulty lifting or carrying weights over 10  
 HEMOBPI mobility: difficulty picking up 5p coin from table  
 HEMOBPU mobility: difficulty pulling or pushing large objects  
 HEMOBRE mobility: difficulty reaching or ectending arms above sh  
 HEMOBSI mobility: difficulty sitting 2 hours  
 HEMOBST mobility: difficulty stooping, kneeling or crouching  
 HEMOBWA mobility: difficulty walking 100 yards

## Wave 4 Core:

HEADL96 adl&iadl: whether said had none of listed difficulties  
 HEHPA functioning: whether ever has help with mobility, adl, i  
 HEHPB96 whether receives help with other difficulty: no help rec  
 HEHPBDA whether receives help with other difficulty from daughte  
 HEHPBDL whether receives help with other difficulty from daughte  
 HEHPBGD whether receives help with other difficulty from grandda  
 HEHPBGS whether receives help with other difficulty from grandso  
 HEHPBSL whether receives help with other difficulty from son-in-  
 HEHPBSO whether receives help with other difficulty from son  
 HEHPD96 whether receives help preparing a meal or eating: no hel

HEHPDDA whether receives help preparing a meal or eating from da  
 HEHPDSO whether receives help preparing a meal or eating from so  
 HEHPH96 whether receives help moving around house: no help recei  
 HEHPHDA whether receives help moving around house from daughter  
 HEHPHSO whether receives help moving around house from son  
 HEHPM96 whether receives help taking medication: no help receive  
 HEHPMDA whether receives help taking medication from daughter  
 HEHPMSO whether receives help taking medication from son  
 HEHPP96 whether receives help to shop/do work round house: no he  
 HEHPPDA whether receives help to shop/do work round house from d  
 HEHPPSO whether receives help to shop/do work round house from s  
 HEHPT96 whether receives help using phone/managing money: no hel  
 HEHPTDA whether receives help using phone/managing money from da  
 HEHPTSO whether receives help using phone/managing money from so  
 HEHPW96 whether receives help to wash/dress: no help received  
 HEHPWDA whether receives help to wash/dress from daughter  
 HEHPWSO whether receives help to wash/dress from son  
 HEMOB96 mobility: whether said had none of listed difficulties

## Wave 5 Core:

HEADL96 ADL&IADL: whether said had none of listed difficulties  
 HEHPA Functioning: whether ever has help with mobility, ADL, I  
 HEHPB96 Whether receives help with other difficulty: no help rec  
 HEHPBDA Whether receives help with other difficulty from daughte  
 HEHPBSO Whether receives help with other difficulty from son  
 HEHPD96 Whether receives help preparing a meal or eating: no hel  
 HEHPDDA Whether receives help preparing a meal or eating from da  
 HEHPDSO Whether receives help preparing a meal or eating from so  
 HEHPH96 Whether receives help with other difficulty: no help rec  
 HEHPHDA Whether receives help with moving round house from daugh  
 HEHPHSO Whether receives help with moving round house from son  
 HEHPM96 Whether receives help taking medication: no help receive  
 HEHPMDA Whether receives help taking medication from daughter  
 HEHPMSO Whether receives help taking medication from son  
 HEHPP96 Whether receives help to shop/do work round house: no he  
 HEHPPDA Whether receives help to shop/do work round housefrom da  
 HEHPPSO Whether receives help to shop/do work round housefrom so  
 HEHPT96 Whether receives help using phone/managing money: no hel  
 HEHPTDA Whether receives help using phone/managing money from da  
 HEHPTSO Whether receives help using phone/managing money from so  
 HEHPW96 Whether receives help to wash/dress: no help received  
 HEHPWDA Whether receives help to wash/dress from daughter  
 HEHPWSO Whether receives help to wash/dress from son  
 HEMOB96 Mobility: whether said had none of listed difficulties

## Wave 6 Core:

ASKINST whether respondent had an institutional interview  
 CAHNDA computed from cahin:received help with at least one task  
 CAHNGC computed from cahin:received help with at least one task  
 CAHNNO computed from cahin:received no informal help with tasks  
 CAHNSO computed from cahin:received help with at least one task  
 CAHRI02 informal help - hours of help received in last week (9 g  
 CAHRI03 informal help - hours of help received in last week (9 g  
 CAHRI04 informal help - hours of help received in last week (9 g  
 CAHRI05 informal help - hours of help received in last week (9 g  
 CAHRI06 informal help - hours of help received in last week (9 g  
 CAHRI07 informal help - hours of help received in last week (9 g  
 CAHRI08 informal help - hours of help received in last week (9 g  
 CAHRI09 informal help - hours of help received in last week (9 g  
 CAHRI10 informal help - hours of help received in last week (9 g  
 CATKA received help in last month: walking 100 yards  
 CATKB received help in last month: climbing several flights of  
 CATKC received help in last month: climbing one flight of stai  
 CATKD received help in last month: dressing, including putting  
 CATKE received help in last month: walking across a room

CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including
CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties
Wave 7 Core:	
ASKINST	whether respondent had an institutional interview
CAHNDA	computed from cahin:received help with at least one task
CAHNGC	computed from cahin:received help with at least one task
CAHNNO	computed from cahin:received no informal help with tasks
CAHNSO	computed from cahin:received help with at least one task
CAHRI02	informal help - hours of help received in last week (9 g
CAHRI03	informal help - hours of help received in last week (9 g
CAHRI04	informal help - hours of help received in last week (9 g
CAHRI05	informal help - hours of help received in last week (9 g
CAHRI06	informal help - hours of help received in last week (9 g
CAHRI07	informal help - hours of help received in last week (9 g
CAHRI08	informal help - hours of help received in last week (9 g
CAHRI09	informal help - hours of help received in last week (9 g
CAHRI10	informal help - hours of help received in last week (9 g
CATKA	received help in last month: walking 100 yards
CATKB	received help in last month: climbing several flights of
CATKC	received help in last month: climbing one flight of stai
CATKD	received help in last month: dressing, including putting
CATKE	received help in last month: walking across a room
CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including
CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties
Wave 8 Core:	
ASKINST	computed: whether respondent had an institutional interv
CAHNDA	computed from cahin: received help with at least one tas
CAHNGC	computed from cahin: received help with at least one tas
CAHNNO	computed from cahin: received no informal help with task
CAHNSO	computed from cahin: received help with at least one tas
CAHRI01	informal help: hours of help received in last week: husb
CAHRI02	informal help: hours of help received in last week: son
CAHRI03	informal help: hours of help received in last week: son
CAHRI04	informal help: hours of help received in last week: son
CAHRI05	informal help: hours of help received in last week: daug
CAHRI06	informal help: hours of help received in last week: daug
CAHRI07	informal help: hours of help received in last week: daug
CAHRI08	informal help: hours of help received in last week: gran
CAHRI09	informal help: hours of help received in last week: gran
CAHRI10	informal help: hours of help received in last week: gran
CATKA	whether received help last month: walking 100 yards
CATKB	whether received help last month: climbing several fligh
CATKC	whether received help last month: climbing one flight of
CATKD	whether received help last month: dressing, including pu
CATKE	whether received help last month: walking across a room
CATKF	whether received help last month: bathing or showering
CATKG	whether received help last month: eating, such as cuttin



CATKH	whether received help last month: getting in and out of
CATKI	whether received help last month: using the toilet, incl
CATKJ	whether received help last month: shopping for groceries
CATKK	whether received help last month: taking medications
CATKL	whether received help last month: doing work around the
CATKM	whether received help last month: managing money, such a
HEADL96	adl&iadl: difficulty with none of these
HEMOB96	mobility: difficulty with none of these
Wave 9 Core:	
ASKINST	Computed: whether respondent had an institutional interv
CAHNDA	Computed from cahin: received help with at least one tas
CAHNGC	Computed from cahin: received help with at least one tas
CAHNNO	Computed from cahin: received no informal help with task
CAHNSO	Computed from cahin: received help with at least one tas
CAHRI01	Informal help: hours of help received in last week: Husb
CAHRI02	Informal help: hours of help received in last week: Son
CAHRI03	Informal help: hours of help received in last week: Son
CAHRI04	Informal help: hours of help received in last week: Son
CAHRI05	Informal help: hours of help received in last week: Daug
CAHRI06	Informal help: hours of help received in last week: Daug
CAHRI07	Informal help: hours of help received in last week: Daug
CAHRI08	Informal help: hours of help received in last week: Gran
CAHRI09	Informal help: hours of help received in last week: Gran
CAHRI10	Informal help: hours of help received in last week: Gran
CATKA	Whether received help last month: walking 100 yards
CATKB	Whether received help last month: climbing several fligh
CATKC	Whether received help last month: climbing one flight of
CATKD	Whether received help last month: dressing, including pu
CATKE	Whether received help last month: walking across a room
CATKF	Whether received help last month: bathing or showering
CATKG	Whether received help last month: eating, such as cuttin
CATKH	Whether received help last month: getting in and out of
CATKI	Whether received help last month: using the toilet, incl
CATKJ	Whether received help last month: shopping for groceries
CATKK	Whether received help last month: taking medications
CATKL	Whether received help last month: doing work around the
CATKM	Whether received help last month: managing money, such a
HEADL96	ADL&IADL: difficulty with none of these
HEMOB96	Mobility: difficulty with none of these

**Care for ADLs or IADLs: Receives Informal Caregiving from Relatives**

Wave	Variable	Label	Type
1	R1RRCARE_E	r1rrccare_e:w1 r receives informal care from relatives for ad	Categ
2	R2RRCARE_E	r2rrccare_e:w2 r receives informal care from relatives for ad	Categ
3	R3RRCARE_E	r3rrccare_e:w3 r receives informal care from relatives for ad	Categ
4	R4RRCARE_E	r4rrccare_e:w4 r receives informal care from relatives for ad	Categ
5	R5RRCARE_E	r5rrccare_e:w5 r receives informal care from relatives for ad	Categ
6	R6RRCARE_E	r6rrccare_e:w6 r receives informal care from relatives for ad	Categ
7	R7RRCARE_E	r7rrccare_e:w7 r receives informal care from relatives for ad	Categ
8	R8RRCARE_E	r8rrccare_e:w8 r receives informal care from relatives for ad	Categ
9	R9RRCARE_E	r9rrccare_e:w9 r receives informal care from relatives for ad	Categ
1	S1RRCARE_E	s1rrccare_e:w1 s receives informal care from relatives for ad	Categ
2	S2RRCARE_E	s2rrccare_e:w2 s receives informal care from relatives for ad	Categ
3	S3RRCARE_E	s3rrccare_e:w3 s receives informal care from relatives for ad	Categ
4	S4RRCARE_E	s4rrccare_e:w4 s receives informal care from relatives for ad	Categ
5	S5RRCARE_E	s5rrccare_e:w5 s receives informal care from relatives for ad	Categ
6	S6RRCARE_E	s6rrccare_e:w6 s receives informal care from relatives for ad	Categ
7	S7RRCARE_E	s7rrccare_e:w7 s receives informal care from relatives for ad	Categ
8	S8RRCARE_E	s8rrccare_e:w8 s receives informal care from relatives for ad	Categ
9	S9RRCARE_E	s9rrccare_e:w9 s receives informal care from relatives for ad	Categ
1	R1RRCAREN_E	r1rrccaren_e:w1 # relatives who help r with adls/iadls/mobili	Cont
2	R2RRCAREN_E	r2rrccaren_e:w2 # relatives who help r with adls/iadls/mobili	Cont
6	R6RRCAREN_E	r6rrccaren_e:w6 # relatives who help r with adls/iadls/mobili	Cont
7	R7RRCAREN_E	r7rrccaren_e:w7 # relatives who help r with adls/iadls/mobili	Cont
8	R8RRCAREN_E	r8rrccaren_e:w8 # relatives who help r with adls/iadls/mobili	Cont
9	R9RRCAREN_E	r9rrccaren_e:w9 # relatives who help r with adls/iadls/mobili	Cont
1	S1RRCAREN_E	s1rrccaren_e:w1 # relatives who help s with adls/iadls/mobili	Cont
2	S2RRCAREN_E	s2rrccaren_e:w2 # relatives who help s with adls/iadls/mobili	Cont
6	S6RRCAREN_E	s6rrccaren_e:w6 # relatives who help s with adls/iadls/mobili	Cont
7	S7RRCAREN_E	s7rrccaren_e:w7 # relatives who help s with adls/iadls/mobili	Cont
8	S8RRCAREN_E	s8rrccaren_e:w8 # relatives who help s with adls/iadls/mobili	Cont
9	S9RRCAREN_E	s9rrccaren_e:w9 # relatives who help s with adls/iadls/mobili	Cont
6	R6RRCAREHPW_E	r6rrccarehpw_e:w6 hours/week relatives help r with adls/iadls	Cont
7	R7RRCAREHPW_E	r7rrccarehpw_e:w7 hours/week relatives help r with adls/iadls	Cont
8	R8RRCAREHPW_E	r8rrccarehpw_e:w8 hours/week relatives help r with adls/iadls	Cont
9	R9RRCAREHPW_E	r9rrccarehpw_e:w9 hours/week relatives help r with adls/iadls	Cont
6	S6RRCAREHPW_E	s6rrccarehpw_e:w6 hours/week relatives help s with adls/iadls	Cont
7	S7RRCAREHPW_E	s7rrccarehpw_e:w7 hours/week relatives help s with adls/iadls	Cont
8	S8RRCAREHPW_E	s8rrccarehpw_e:w8 hours/week relatives help s with adls/iadls	Cont
9	S9RRCAREHPW_E	s9rrccarehpw_e:w9 hours/week relatives help s with adls/iadls	Cont
6	R6RRCAREHPWM_E	r6rrccarehpwm_e:w6 r relatives missing hours/week of help for	Cont
7	R7RRCAREHPWM_E	r7rrccarehpwm_e:w7 r relatives missing hours/week of help for	Cont
8	R8RRCAREHPWM_E	r8rrccarehpwm_e:w8 r relatives missing hours/week of help for	Cont
9	R9RRCAREHPWM_E	r9rrccarehpwm_e:w9 r relatives missing hours/week of help for	Cont
6	S6RRCAREHPWM_E	s6rrccarehpwm_e:w6 s relatives missing hours/week of help for	Cont
7	S7RRCAREHPWM_E	s7rrccarehpwm_e:w7 s relatives missing hours/week of help for	Cont
8	S8RRCAREHPWM_E	s8rrccarehpwm_e:w8 s relatives missing hours/week of help for	Cont
9	S9RRCAREHPWM_E	s9rrccarehpwm_e:w9 s relatives missing hours/week of help for	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
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R1RRCARE_E	2765	0.07	0.25	0.00	1.00
R2RRCARE_E	2650	0.06	0.24	0.00	1.00
R3RRCARE_E	1866	0.06	0.23	0.00	1.00
R4RRCARE_E	2565	0.14	0.34	0.00	1.00
R5RRCARE_E	2458	0.11	0.32	0.00	1.00
R6RRCARE_E	2120	0.07	0.25	0.00	1.00
R7RRCARE_E	1869	0.06	0.25	0.00	1.00
R8RRCARE_E	1699	0.06	0.24	0.00	1.00
R9RRCARE_E	1625	0.07	0.25	0.00	1.00
S1RRCARE_E	1653	0.04	0.19	0.00	1.00
S2RRCARE_E	1615	0.03	0.17	0.00	1.00
S3RRCARE_E	1031	0.03	0.16	0.00	1.00
S4RRCARE_E	1539	0.07	0.26	0.00	1.00
S5RRCARE_E	1468	0.04	0.20	0.00	1.00
S6RRCARE_E	1139	0.03	0.17	0.00	1.00
S7RRCARE_E	998	0.02	0.15	0.00	1.00
S8RRCARE_E	935	0.03	0.16	0.00	1.00
S9RRCARE_E	870	0.03	0.16	0.00	1.00
R1RRCAREN_E	2765	0.07	0.28	0.00	2.00
R2RRCAREN_E	2650	0.06	0.27	0.00	3.00
R6RRCAREN_E	2120	0.09	0.37	0.00	4.00
R7RRCAREN_E	1869	0.09	0.37	0.00	4.00
R8RRCAREN_E	1699	0.07	0.32	0.00	4.00
R9RRCAREN_E	1625	0.09	0.37	0.00	3.00
S1RRCAREN_E	1653	0.04	0.20	0.00	2.00
S2RRCAREN_E	1615	0.03	0.20	0.00	3.00
S6RRCAREN_E	1139	0.04	0.21	0.00	3.00
S7RRCAREN_E	998	0.03	0.18	0.00	2.00
S8RRCAREN_E	935	0.03	0.24	0.00	4.00
S9RRCAREN_E	870	0.04	0.23	0.00	3.00
R6RRCAREHPW_E	2118	0.67	6.37	0.00	149.00
R7RRCAREHPW_E	1868	0.67	7.12	0.00	148.50
R8RRCAREHPW_E	1699	0.45	4.37	0.00	134.00
R9RRCAREHPW_E	1625	0.63	7.30	0.00	208.50
S6RRCAREHPW_E	1138	0.22	3.28	0.00	74.50
S7RRCAREHPW_E	998	0.12	1.37	0.00	27.00
S8RRCAREHPW_E	935	0.16	1.87	0.00	44.00
S9RRCAREHPW_E	870	0.17	1.99	0.00	41.50
R6RRCAREHPWM_E	145	0.01	0.12	0.00	1.00
R7RRCAREHPWM_E	120	0.03	0.27	0.00	3.00
R8RRCAREHPWM_E	104	0.01	0.10	0.00	1.00
R9RRCAREHPWM_E	107	0.00	0.00	0.00	0.00
S6RRCAREHPWM_E	35	0.03	0.17	0.00	1.00
S7RRCAREHPWM_E	23	0.00	0.00	0.00	0.00
S8RRCAREHPWM_E	25	0.00	0.00	0.00	0.00
S9RRCAREHPWM_E	24	0.00	0.00	0.00	0.00

### Categorical Variable Codes

Value-----	R1RRCARE_E	R2RRCARE_E	R3RRCARE_E	R4RRCARE_E	R5RRCARE_E
.d:DK	13	3		2	3
.h:no help received	4131	3004	3197	3646	3389
.m:Missing			4		
.p:proxy	175		147		
.r:Refuse	4	1		7	6

.s:skipped				297		
.x:no difficulty	5011	3774	4255	4830	4418	
0.no	2584	2492	1758	2213	2179	
1.yes	181	158	108	352	279	
Value-----	R6RRCARE_E	R7RRCARE_E	R8RRCARE_E	R9RRCARE_E		
.d:DK	2	2		2		
.h:no help received	3543	3204	2967	2917		
.n:institutional ivw	74	62	57	54		
.r:Refuse	2		1	1		
.x:no difficulty	4860	4529	3721	4137		
0.no	1975	1749	1595	1518		
1.yes	145	120	104	107		
Value-----	S1RRCARE_E	S2RRCARE_E	S3RRCARE_E	S4RRCARE_E	S5RRCARE_E	
.d:DK	9	2		2	3	
.h:no help received	2589	1811	1935	2235	2121	
.m:Missing			2			
.p:proxy	122		74			
.r:Refuse	3	1		6	4	
.s:skipped			216			
.u:Unmar	3561	2671	2706	2932	2742	
.v:SP NR	468	583	676	716	568	
.x:no difficulty	3694	2749	3126	3620	3368	
0.no	1594	1564	1004	1428	1405	
1.yes	59	51	27	111	63	
Value-----	S6RRCARE_E	S7RRCARE_E	S8RRCARE_E	S9RRCARE_E		
.d:DK	1	2		1		
.h:no help received	2441	2172	1986	1938		
.r:Refuse	2		1			
.u:Unmar	2802	2548	2255	2286		
.v:SP NR	557	558	502	630		
.x:no difficulty	3659	3388	2766	3011		
0.no	1104	975	910	846		
1.yes	35	23	25	24		

## How Constructed

The following variables indicate whether the respondent's relatives help the respondent with any ADL, IADL, or mobility needs. In Waves 1 through 5, if the respondent reports difficulty with at least one activity, then the respondent is asked a single question ascertaining whether they receive help with the ADL (dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet), IADL (preparing meal, shopping for groceries, making telephone calls, taking medication, doing work around the house, managing money), or mobility activities (walking 100 yards, sitting for 2 hours, getting up from chair, climbing several flights of stairs, climbing one flight of stairs, stooping, reaching arms, pulling large objects, lifting weights over 10 pounds, picking up a coin) they have difficulty with. In Waves 4 and 5, the respondent also reports difficulty with additional IADL activities: communicating and recognizing when they are in danger.

In Waves 1 and 2, if the respondent receives help then they are asked for the relationships of all the people who help them with those activities. In Waves 3 through 5, the respondent is asked for the relationships of all the people who help them if they report difficulty with an activity for each of the following groupings: 1.climbing stairs, walking across a room, getting in or out of bed, using the toilet, 2.bathing, getting dressed, 3.eating, preparing hot meals, 4.shopping for groceries, doing work around the house or garden, 5.making phone calls, managing money, 6.taking medication. In Waves 4 and 5, a seventh grouping is added that includes help with the following activities: walking 100 yards, sitting for 2 hours, getting out of a chair, stooping, reaching arms, pulling large objects, lifting 10 pounds, picking up a coin, reading a map, communicating, and recognizing when they are in danger.

Starting in Wave 6, if the respondent reports difficulty with at least one activity (same activities included in Waves 4 and 5), then the respondent is asked whether they receive help with each of the following activities: walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet, shopping for groceries, taking medication, doing work around the house or garden, and managing money. If the help they receive is at least partially due to a physical, mental, emotional or memory problem, then the respondent is asked for the relationships of all the people who help them if they report receiving

help with an activity for each of the following groupings: 1.walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using a toilet, 2.bathing, getting dressed, 3.eating, 4.shopping for groceries, doing work around the house or garden, 5.taking medication, 6.managing money.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL, IADL, or mobility activity, and are coded as special missing .h if the respondent reports difficulty with an ADL, IADL, or mobility activity but does not receive any help. In Waves 1 and 3, they are coded as special missing .p if these questions were skipped because the interview was by proxy. In Wave 3, they are coded as special missing .s if the respondent had difficulty with only activities for which they were not asked whether they received help. Starting in Wave 6, they are coded as special missing .n if these questions were skipped because the respondent was in an institution at the time of the interview. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRRCARE\_E, RwRRCAREN\_E, RwRRCAREHPW\_E, and RwRRCAREHPWM\_E include help from the respondent's relatives. In Waves 1 through 3 this includes help from their mother or father, sister, brother, and other relative. In Wave 4, help with moving around the house, washing and dressing, preparing or eating a meal, doing work around the house, using phone or managing money, or taking medications includes help from their sister, brother or other relative. In Wave 4, help with walking 100 yards, sitting for 2 hours, getting out of a chair, stooping, reaching arms, pulling large objects, lifting 10 pounds, picking up a coin, reading a map, communicating, and recognizing when they are in danger included help from their mother or father, sister, brother, or other relative. Starting in Wave 5 this includes help from their sister, brother, and other relative for all activities reported.

RwRRCARE\_E indicates whether the respondent's relatives help the respondent with any ADL, IADL, or mobility needs. RwRRCARE\_E is coded as 0 if the respondent receives no assistance from their relatives, and coded as 1 if the respondent does receive help from their relatives. RwRRCAREN\_E is the count of the number of relatives who help the respondent with any ADL, IADL, or mobility needs. In Waves 1 and 2, RwRRCAREN\_E is calculated using the relationships of all the helpers reported. Starting in Wave 6, RwRRCAREN\_E is calculated using the hours of help reported for up to 3 sisters, 3 brothers, and 3 other relatives. RwRRCAREN\_E is not available in Waves 3 through 5.

RwRRCAREHPW\_E indicates the number of hours per week the respondent's relatives help the respondent with any ADL, IADL, or mobility needs. Respondents are asked how many hours they were helped by their relatives last week. The number of hours is collected in categories and the mid-point of the categories is used to calculate the total hours as follows: 0 (no help in the last week), 1 (less than 1 hour), 2.5 (1-4 hours), 7 (5-9 hours), 14.5 (10-19 hours), 27 (20-34 hours), 42 (35-49 hours), 74.5 (50-99 hours), 134 (100 hours or more). RwRRCAREHPW\_E is the sum of all the hours per week for all relative helpers, so the value can be over 168. RwRRCAREHPW\_E is calculated as long as there is at least one non-missing value. RwRRCAREHPWM\_E indicates the number of relatives who helped the respondent for whom no value of hours was reported and was not accounted for in RwRRCAREHPW\_E. RwRRCAREHPWM\_E is assigned special missing .m if the respondent was not helped by any relatives. Don't know, refused, or other missing responses to RwRRCAREHPW\_E are assigned special missing .d, .r, and .m, respectively. RwRRCAREHPW\_E and RwRRCAREHPWM\_E are available starting in Wave 6. Please note that if the respondent says don't know or refuses to answer the number of hours provided by relatives, then the respondent is asked whether each relative provides less than 20 hours, 20-34 hours, or 35 hours or more of help. We have not included these responses in these variables.

SwRRCARE\_E, SwRRCAREN\_E, and SwRRCAREHPW\_E indicate whether, the number, and the frequency with which the respondent's current wave's spouse receives help from their relatives, and their values are taken from RwRRCARE\_E, RwRRCAREN\_E, and RwRRCAREHPW\_E. SwRRCAREHPWM\_E is the count of relatives who are missing values for hours helped, and its values are taken from RwRRCAREHPWM\_E. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

There is a great deal of variation in the questions ascertaining whether the respondent has difficulty, receives help, and who helps across waves. In all waves, the respondent is asked whether they have difficulty with the following activities: dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet, preparing meal, shopping for groceries, making telephone calls, taking

medication, doing work around the house, managing money, walking 100 yards, sitting for 2 hours, getting up from chair, climbing several flights of stairs, climbing one flight of stairs, stooping, reaching arms, pulling large objects, lifting weights over 10 pounds, and picking up a coin. Starting in Wave 4, the respondent also reports difficulty with communicating and recognizing when they are in danger.

In Waves 1 through 5, the respondent is asked whether they receive help if they report difficulty with any activity. Starting in Wave 6, the respondent is asked whether they receive help with a specific list of activities if they report difficulty with any activity. This is followed by a question asking whether any of this help is the result of a physical, mental, emotional, or memory problem, and if not, all other questions are skipped.

In Waves 1 and 2, the respondent is asked for the relationships of all the people who help them with any activity in a single question. Starting in Wave 3, the respondent is asked for the relationships of all the people who help them with particular activities according to groupings that vary by wave. In Waves 3 through 5, the groupings are as follows: 1.climbing stairs, walking across a room, getting in or out of bed, using the toilet, 2.bathing, getting dressed, 3.eating, preparing hot meals, 4.shopping for groceries, doing work around the house or garden, 5.making phone calls, managing money, 6.taking medication. In Waves 4 and 5, a seventh grouping is added that includes help with the following activities: walking 100 yards, sitting for 2 hours, getting out of a chair, stooping, reaching arms, pulling large objects, lifting 10 pounds, picking up a coin, reading a map, communicating, and recognizing when they are in danger. Starting in Wave 6, the groupings are as follows: 1.walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using a toilet, 2.bathing, getting dressed, 3.eating, 4.shopping for groceries, doing work around the house or garden, 5.taking medication, 6.managing money. Also starting in Wave 6, the types of helpers are divided into two questions representing informal helpers (family and friends) and formal helpers (professionals).

In Waves 1 through 3 these variables include help from their mother or father, sister, brother, and other relative. In Wave 4, help with moving around the house, washing and dressing, preparing or eating a meal, doing work around the house, using phone or managing money, or taking medications includes help from their sister, brother or other relative. In Wave 4, help with walking 100 yards, sitting for 2 hours, getting out of a chair, stooping, reaching arms, pulling large objects, lifting 10 pounds, picking up a coin, reading a map, communicating, and recognizing when they are in danger included help from their mother or father, sister, brother, or other relative. Starting in Wave 5 this includes help from their sister, brother, and other relative for all activities reported.

Proxy respondents are not asked these questions in Waves 1 and 3.

Due to the way the questions are asked and the data is stored, we are able to calculate the number of relative helpers in Waves 1 and 2 and starting again in Wave 6, but are not able to do so in Waves 3 through 5.

Institutionalized respondents are not asked these questions starting in Wave 6.

Respondents are not asked how many hours per week they receive help until Wave 6.

## **Differences with the RAND HRS/Harmonized HRS**

RwRRCARE and RwRRCAREN in the Harmonized HRS indicate whether and the number of relatives who help the respondent with ADL or IADL activities. RwRRCARE\_E and RwRRCAREN\_E in the Harmonized ELSA indicate whether and the number of relatives who help the respondent with ADL, IADL, or mobility activities. Because the ELSA does not ask about care received with the same IADL activities and asks additionally about mobility activities, the "\_E" is included in the Harmonized ELSA variable name to indicate that the two concepts are similar but not directly comparable. The number of relative helpers can be created for all waves of the Harmonized HRS, but not for all waves of the Harmonized ELSA.

The Harmonized HRS includes RwRRCAREDPW and RwRRCAREHR indicating the days per week and hours per day the respondent receives help from their relatives, while the Harmonized ELSA includes RwRRCAREHPW\_E indicating the hours per week the respondent receives help from their relatives and these values were collected categorically rather than as a continuous value.

The HRS asks whether the respondent receives help after each ADL and IADL activity they report having difficulty with, and then asks separately who helps them with ADL activities, IADL activities, and managing money. This is quite different from how the ELSA collects this information, as described above.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
HEADA01	because of a health problem, do you have any difficultie
HEADB01	because of a health or memory problem, do you have any
HEHPA	thinking about the activities that you have problems wi
HEHPB01	who helps you with these activities? 1st
HEHPB02	who helps you with these activities? 2nd
HEHPB03	who helps you with these activities? 3rd
HEHPB04	who helps you with these activities? 4th
HEHPB05	who helps you with these activities? 5th
HEHPB06	who helps you with these activities? 6th
HEHPB07	who helps you with these activities? 7th
HEHPB08	who helps you with these activities? 8th
HEHPB09	who helps you with these activities? 9th
HEHPB10	who helps you with these activities? 10th
HEHPB11	who helps you with these activities? 11th
HEHPB12	who helps you with these activities? 12th
HEHPB13	who helps you with these activities? 13th
HEHPB14	who helps you with these activities? 14th
HEHPB15	who helps you with these activities? 15th
HEHPB16	who helps you with these activities? 16th

### Wave 2 Core:

HEADA01	ADL: activity has problem with due to health/physical pr
HEADB01	IADL: activity has problem with due to health/physical p
HEHPA	ADL & IADL: whether ever has help with these activities
HEHPB01	ADL & IADL: who helps with these activities (1st mention
HEHPB02	ADL & IADL: who helps with these activities (2nd mention
HEHPB03	ADL & IADL: who helps with these activities (3rd mention
HEHPB04	ADL & IADL: who helps with these activities (4th mention
HEHPB05	ADL & IADL: who helps with these activities (5th mention
HEHPB06	ADL & IADL: who helps with these activities (6th mention
HEHPB07	ADL & IADL: who helps with these activities (7th mention
HEHPB08	ADL & IADL: who helps with these activities (8th mention
HEHPB09	ADL & IADL: who helps with these activities (9th mention

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
HEADL96	adl&iadl: whether said had none of listed difficulties
HEADLBA	adl: difficulty bathing or showering
HEADLBE	adl: difficulty getting in and out of bed
HEADLDR	adl: difficulty dressing, including putting on shoes and
HEADLEA	adl: difficulty eating, such as cutting up food
HEADLHO	iadl: difficulty doing work around house and garden
HEADLMA	iadl: difficulty using map to figure out how to get arou
HEADLME	iadl: difficulty taking medications
HEADLMO	iadl: difficulty managing money, eg paying bills, keeping
HEADLPH	iadl: difficulty making telephone calls
HEADLPR	iadl: difficulty preparing a hot meal
HEADLSH	iadl: difficulty shopping for groceries
HEADLWA	adl: difficulty walking across a room
HEADLWC	adl: difficulty using the toilet, including getting up o
HEHPA	functioning: whether ever has help with mobility, adl, i
HEHPD96	whether receives help preparing a meal or eating: no hel
HEHPD8R	whether receives help preparing a meal or eating from br
HEHPDOR	whether receives help preparing a meal or eating from ot
HEHPDPA	whether receives help preparing a meal or eating from pa
HEHPDSI	whether receives help preparing a meal or eating from si
HEHPH96	whether receives help moving around house: no help recei

HEHPHBR whether receives help moving around house from brother  
 HEHPHOR whether receives help moving around house from other rel  
 HEHPHPA whether receives help moving around house from parent  
 HEHPHSI whether receives help moving around house from sister  
 HEHPM96 whether receives help taking medication: no help receive  
 HEHPMBR whether receives help taking medication from brother  
 HEHPMOR whether receives help taking medication from other relat  
 HEHPMPA whether receives help taking medication from parent  
 HEHPMSI whether receives help taking medication from sister  
 HEHPP96 whether receives help to shop/do work round house: no he  
 HEHPPBR whether receives help to shop/do work round house from b  
 HEHPPOR whether receives help to shop/do work round house from o  
 HEHPPPA whether receives help to shop/do work round house from p  
 HEHPPSI whether receives help to shop/do work round house from s  
 HEHPT96 whether receives help using phone/managing money: no hel  
 HEHPTBR whether receives help using phone/managing money from br  
 HEHPTOR whether receives help using phone/managing money from ot  
 HEHPTPA whether receives help using phone/managing money from pa  
 HEHPTSI whether receives help using phone/managing money from si  
 HEHPW96 whether receives help to wash/dress: no help received  
 HEHPWBR whether receives help to wash/dress from brother  
 HEHPWOR whether receives help to wash/dress from other relative  
 HEHPWPA whether receives help to wash/dress from parent  
 HEHPWSI whether receives help to wash/dress from sister  
 HEMOB96 mobility: whether said had none of listed difficulties  
 HEMOBCH mobility: difficulty getting up from chair after sitting  
 HEMOBCL mobility: difficulty climbing one flight stairs without  
 HEMOBCS mobility: difficulty climbing several flights stairs wit  
 HEMOBLI mobility: difficulty lifting or carrying weights over 10  
 HEMOBPI mobility: difficulty picking up 5p coin from table  
 HEMOBPU mobility: difficulty pulling or pushing large objects  
 HEMOBRE mobility: difficulty reaching or extending arms above sh  
 HEMOBSI mobility: difficulty sitting 2 hours  
 HEMOBST mobility: difficulty stooping, kneeling or crouching  
 HEMOBWA mobility: difficulty walking 100 yards

## Wave 4 Core:

HEADL96 adl&iadl: whether said had none of listed difficulties  
 HEHPA mobility: whether ever has help with mobility, adl, i  
 HEHPB96 whether receives help with other difficulty: no help rec  
 HEHPBBR whether receives help with other difficulty from brother  
 HEHPBOR whether receives help with other difficulty from other r  
 HEHPBPA whether receives help with other difficulty from parent  
 HEHPBSI whether receives help with other difficulty from sister  
 HEHPD96 whether receives help preparing a meal or eating: no hel  
 HEHPDBR whether receives help preparing a meal or eating from br  
 HEHPDOR whether receives help preparing a meal or eating from ot  
 HEHPDSI whether receives help preparing a meal or eating from si  
 HEHPH96 whether receives help moving around house: no help recei  
 HEHPHBR whether receives help moving around house from brother  
 HEHPHOR whether receives help moving around house from other rel  
 HEHPHSI whether receives help moving around house from sister  
 HEHPM96 whether receives help taking medication: no help receive  
 HEHPMBR whether receives help taking medication from brother  
 HEHPMOR whether receives help taking medication from other relat  
 HEHPMSI whether receives help taking medication from sister  
 HEHPP96 whether receives help to shop/do work round house: no he  
 HEHPPBR whether receives help to shop/do work round house from b  
 HEHPPOR whether receives help to shop/do work round house from o  
 HEHPPSI whether receives help to shop/do work round house from s  
 HEHPT96 whether receives help using phone/managing money: no hel  
 HEHPTBR whether receives help using phone/managing money from br  
 HEHPTOR whether receives help using phone/managing money from ot  
 HEHPTSI whether receives help using phone/managing money from si



HEHPW96 whether receives help to wash/dress: no help received  
 HEHPWBR whether receives help to wash/dress from brother  
 HEHPWOR whether receives help to wash/dress from other relative  
 HEHPWSI whether receives help to wash/dress from sister  
 HEMOB96 mobility: whether said had none of listed difficulties  
 Wave 5 Core:  
 HEADL96 ADL&IADL: whether said had none of listed difficulties  
 HEHPA Functioning: whether ever has help with mobility, ADL, I  
 HEHPB96 Whether receives help with other difficulty: no help rec  
 HEHPBBR whether receives help with other difficulty from brother  
 HEHPBOR Whether receives help with other difficulty from other r  
 HEHPBSI whether receives help with other difficulty from sister  
 HEHPD96 Whether receives help preparing a meal or eating: no hel  
 HEHPDBR Whether receives help preparing a meal or eating from br  
 HEHPDOR Whether receives help preparing a meal or eating from ot  
 HEHPDSI Whether receives help preparing a meal or eating from si  
 HEHPH96 Whether receives help with other difficulty: no help rec  
 HEHPHBR whether receives help with moving round house from broth  
 HEHPHOR Whether receives help with moving round house from other  
 HEHPHSI whether receives help with moving round house from siste  
 HEHPM96 Whether receives help taking medication: no help receive  
 HEHPMBR Whether receives help taking medication from brother  
 HEHPMOR Whether receives help taking medication from other relat  
 HEHPMSL Whether receives help taking medication from sister  
 HEHPP96 Whether receives help to shop/do work round house: no he  
 HEHPPBR Whether receives help to shop/do work round housefrom br  
 HEHPPOR Whether receives help to shop/do work round housefrom ot  
 HEHPPSI Whether receives help to shop/do work round housefrom si  
 HEHPT96 Whether receives help using phone/managing money: no hel  
 HEHPTBR Whether receives help using phone/managing money from br  
 HEHPTOR Whether receives help using phone/managing money from ot  
 HEHPTSI Whether receives help using phone/managing money from si  
 HEHPW96 Whether receives help to wash/dress: no help received  
 HEHPWBR Whether receives help to wash/dress from brother  
 HEHPWOR Whether receives help to wash/dress from other relative  
 HEHPWSI Whether receives help to wash/dress from sister  
 HEMOB96 Mobility: whether said had none of listed difficulties  
 Wave 6 Core:  
 ASKINST whether respondent had an institutional interview  
 CAHNBR computed from cahin:received help with at least one task  
 CAHNNO computed from cahin:received no informal help with tasks  
 CAHNOR computed from cahin:received help with at least one task  
 CAHNSI computed from cahin:received help with at least one task  
 CAHRI11 informal help - hours of help received in last week (9 g  
 CAHRI12 informal help - hours of help received in last week (9 g  
 CAHRI13 informal help - hours of help received in last week (9 g  
 CAHRI14 informal help - hours of help received in last week (9 g  
 CAHRI15 informal help - hours of help received in last week (9 g  
 CAHRI16 informal help - hours of help received in last week (9 g  
 CAHRI17 informal help - hours of help received in last week (9 g  
 CAHRI18 informal help - hours of help received in last week (9 g  
 CAHRI19 informal help - hours of help received in last week (9 g  
 CATKA received help in last month: walking 100 yards  
 CATKB received help in last month: climbing several flights of  
 CATKC received help in last month: climbing one flight of stai  
 CATKD received help in last month: dressing, including putting  
 CATKE received help in last month: walking across a room  
 CATKF received help in last month: bathing or showering  
 CATKG received help in last month: eating, such as cutting up  
 CATKH received help in last month: getting in and out of bed  
 CATKI received help in last month: using the toilet, including  
 CATKJ received help in last month: shopping for groceries  
 CATKK received help in last month: taking medications

CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties
Wave 7 Core:	
ASKINST	whether respondent had an institutional interview
CAHNBR	computed from cahin:received help with at least one task
CAHNNO	computed from cahin:received no informal help with tasks
CAHNOR	computed from cahin:received help with at least one task
CAHNSI	computed from cahin:received help with at least one task
CAHRI11	informal help - hours of help received in last week (9 g
CAHRI12	informal help - hours of help received in last week (9 g
CAHRI13	informal help - hours of help received in last week (9 g
CAHRI14	informal help - hours of help received in last week (9 g
CAHRI15	informal help - hours of help received in last week (9 g
CAHRI16	informal help - hours of help received in last week (9 g
CAHRI17	informal help - hours of help received in last week (9 g
CAHRI18	informal help - hours of help received in last week (9 g
CAHRI19	informal help - hours of help received in last week (9 g
CATKA	received help in last month: walking 100 yards
CATKB	received help in last month: climbing several flights of
CATKC	received help in last month: climbing one flight of stai
CATKD	received help in last month: dressing, including putting
CATKE	received help in last month: walking across a room
CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including
CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties
Wave 8 Core:	
ASKINST	computed: whether respondent had an institutional interv
CAHNBR	computed from cahin: received help with at least one tas
CAHNNO	computed from cahin: received no informal help with task
CAHNOR	computed from cahin: received help with at least one tas
CAHNSI	computed from cahin: received help with at least one tas
CAHRI11	informal help: hours of help received in last week: sist
CAHRI12	informal help: hours of help received in last week: sist
CAHRI13	informal help: hours of help received in last week: sist
CAHRI14	informal help: hours of help received in last week: brot
CAHRI15	informal help: hours of help received in last week: brot
CAHRI16	informal help: hours of help received in last week: brot
CAHRI17	informal help: hours of help received in last week: othe
CAHRI18	informal help: hours of help received in last week: othe
CAHRI19	informal help: hours of help received in last week: othe
CATKA	whether received help last month: walking 100 yards
CATKB	whether received help last month: climbing several fligh
CATKC	whether received help last month: climbing one flight of
CATKD	whether received help last month: dressing, including pu
CATKE	whether received help last month: walking across a room
CATKF	whether received help last month: bathing or showering
CATKG	whether received help last month: eating, such as cuttin
CATKH	whether received help last month: getting in and out of
CATKI	whether received help last month: using the toilet, incl
CATKJ	whether received help last month: shopping for groceries
CATKK	whether received help last month: taking medications
CATKL	whether received help last month: doing work around the
CATKM	whether received help last month: managing money, such a
HEADL96	adl&iadl: difficulty with none of these

HEMOB96            mobility: difficulty with none of these

Wave 9 Core:

ASKINST            Computed: whether respondent had an institutional interv

CAHNBR            Computed from cahin: received help with at least one tas

CAHNNO            Computed from cahin: received no informal help with task

CAHNOR            Computed from cahin: received help with at least one tas

CAHNSI            Computed from cahin: received help with at least one tas

CAHRI11           Informal help: hours of help received in last week: Sist

CAHRI12           Informal help: hours of help received in last week: Sist

CAHRI13           Informal help: hours of help received in last week: Sist

CAHRI14           Informal help: hours of help received in last week: Brot

CAHRI15           Informal help: hours of help received in last week: Brot

CAHRI16           Informal help: hours of help received in last week: Brot

CAHRI17           Informal help: hours of help received in last week: Othe

CAHRI18           Informal help: hours of help received in last week: Othe

CAHRI19           Informal help: hours of help received in last week: Othe

CATKA            Whether received help last month: walking 100 yards

CATKB            Whether received help last month: climbing several fligh

CATKC            Whether received help last month: climbing one flight of

CATKD            Whether received help last month: dressing, including pu

CATKE            Whether received help last month: walking across a room

CATKF            Whether received help last month: bathing or showering

CATKG            Whether received help last month: eating, such as cuttin

CATKH            Whether received help last month: getting in and out of

CATKI            Whether received help last month: using the toilet, incl

CATKJ            Whether received help last month: shopping for groceries

CATKK            Whether received help last month: taking medications

CATKL            Whether received help last month: doing work around the

CATKM            Whether received help last month: managing money, such a

HEADL96           ADL&IADL: difficulty with none of these

HEMOB96           Mobility: difficulty with none of these

<b>Care for ADLs or IADLs: Receives Informal Care from Non-Relatives</b>
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Wave	Variable	Label	Type
1	R1RFCARE_E	r1rfcare_e:w1 r receives informal care from non-relatives fo	Categ
2	R2RFCARE_E	r2rfcare_e:w2 r receives informal care from non-relatives fo	Categ
3	R3RFCARE_E	r3rfcare_e:w3 r receives informal care from non-relatives fo	Categ
4	R4RFCARE_E	r4rfcare_e:w4 r receives informal care from non-relatives fo	Categ
5	R5RFCARE_E	r5rfcare_e:w5 r receives informal care from non-relatives fo	Categ
6	R6RFCARE_E	r6rfcare_e:w6 r receives informal care from non-relatives fo	Categ
7	R7RFCARE_E	r7rfcare_e:w7 r receives informal care from non-relatives fo	Categ
8	R8RFCARE_E	r8rfcare_e:w8 r receives informal care from non-relatives fo	Categ
9	R9RFCARE_E	r9rfcare_e:w9 r receives informal care from non-relatives fo	Categ
1	S1RFCARE_E	s1rfcare_e:w1 s receives informal care from non-relatives fo	Categ
2	S2RFCARE_E	s2rfcare_e:w2 s receives informal care from non-relatives fo	Categ
3	S3RFCARE_E	s3rfcare_e:w3 s receives informal care from non-relatives fo	Categ
4	S4RFCARE_E	s4rfcare_e:w4 s receives informal care from non-relatives fo	Categ
5	S5RFCARE_E	s5rfcare_e:w5 s receives informal care from non-relatives fo	Categ
6	S6RFCARE_E	s6rfcare_e:w6 s receives informal care from non-relatives fo	Categ
7	S7RFCARE_E	s7rfcare_e:w7 s receives informal care from non-relatives fo	Categ
8	S8RFCARE_E	s8rfcare_e:w8 s receives informal care from non-relatives fo	Categ
9	S9RFCARE_E	s9rfcare_e:w9 s receives informal care from non-relatives fo	Categ
1	R1RFCAREN_E	r1rfcaren_e:w1 # non-relatives who help r with adls/iadls/mo	Cont
2	R2RFCAREN_E	r2rfcaren_e:w2 # non-relatives who help r with adls/iadls/mo	Cont
6	R6RFCAREN_E	r6rfcaren_e:w6 # non-relatives who help r with adls/iadls/mo	Cont
7	R7RFCAREN_E	r7rfcaren_e:w7 # non-relatives who help r with adls/iadls/mo	Cont
8	R8RFCAREN_E	r8rfcaren_e:w8 # non-relatives who help r with adls/iadls/mo	Cont
9	R9RFCAREN_E	r9rfcaren_e:w9 # non-relatives who help r with adls/iadls/mo	Cont
1	S1RFCAREN_E	s1rfcaren_e:w1 # non-relatives who help s with adls/iadls/mo	Cont
2	S2RFCAREN_E	s2rfcaren_e:w2 # non-relatives who help s with adls/iadls/mo	Cont
6	S6RFCAREN_E	s6rfcaren_e:w6 # non-relatives who help s with adls/iadls/mo	Cont
7	S7RFCAREN_E	s7rfcaren_e:w7 # non-relatives who help s with adls/iadls/mo	Cont
8	S8RFCAREN_E	s8rfcaren_e:w8 # non-relatives who help s with adls/iadls/mo	Cont
9	S9RFCAREN_E	s9rfcaren_e:w9 # non-relatives who help s with adls/iadls/mo	Cont
6	R6RFCAREHPW_E	r6rfcarehpw_e:w6 hours/week non-relatives help r with adls/i	Cont
7	R7RFCAREHPW_E	r7rfcarehpw_e:w7 hours/week non-relatives help r with adls/i	Cont
8	R8RFCAREHPW_E	r8rfcarehpw_e:w8 hours/week non-relatives help r with adls/i	Cont
9	R9RFCAREHPW_E	r9rfcarehpw_e:w9 hours/week non-relatives help r with adls/i	Cont
6	S6RFCAREHPW_E	s6rfcarehpw_e:w6 hours/week non-relatives help s with adls/i	Cont
7	S7RFCAREHPW_E	s7rfcarehpw_e:w7 hours/week non-relatives help s with adls/i	Cont
8	S8RFCAREHPW_E	s8rfcarehpw_e:w8 hours/week non-relatives help s with adls/i	Cont
9	S9RFCAREHPW_E	s9rfcarehpw_e:w9 hours/week non-relatives help s with adls/i	Cont
6	R6RFCAREHPWM_E	r6rfcarehpwm_e:w6 r non-relatives missing hours/week of help	Cont
7	R7RFCAREHPWM_E	r7rfcarehpwm_e:w7 r non-relatives missing hours/week of help	Cont
8	R8RFCAREHPWM_E	r8rfcarehpwm_e:w8 r non-relatives missing hours/week of help	Cont
9	R9RFCAREHPWM_E	r9rfcarehpwm_e:w9 r non-relatives missing hours/week of help	Cont
6	S6RFCAREHPWM_E	s6rfcarehpwm_e:w6 s non-relatives missing hours/week of help	Cont
7	S7RFCAREHPWM_E	s7rfcarehpwm_e:w7 s non-relatives missing hours/week of help	Cont
8	S8RFCAREHPWM_E	s8rfcarehpwm_e:w8 s non-relatives missing hours/week of help	Cont
9	S9RFCAREHPWM_E	s9rfcarehpwm_e:w9 s non-relatives missing hours/week of help	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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R1RFCARE_E	2765	0.15	0.36	0.00	1.00
R2RFCARE_E	2650	0.13	0.34	0.00	1.00
R3RFCARE_E	1866	0.19	0.39	0.00	1.00
R4RFCARE_E	2565	0.12	0.33	0.00	1.00
R5RFCARE_E	2458	0.12	0.33	0.00	1.00
R6RFCARE_E	2120	0.14	0.34	0.00	1.00
R7RFCARE_E	1869	0.12	0.32	0.00	1.00
R8RFCARE_E	1699	0.13	0.33	0.00	1.00
R9RFCARE_E	1625	0.13	0.33	0.00	1.00
S1RFCARE_E	1653	0.07	0.25	0.00	1.00
S2RFCARE_E	1615	0.05	0.23	0.00	1.00
S3RFCARE_E	1031	0.08	0.27	0.00	1.00
S4RFCARE_E	1539	0.06	0.23	0.00	1.00
S5RFCARE_E	1468	0.05	0.21	0.00	1.00
S6RFCARE_E	1139	0.05	0.22	0.00	1.00
S7RFCARE_E	998	0.05	0.22	0.00	1.00
S8RFCARE_E	935	0.05	0.23	0.00	1.00
S9RFCARE_E	870	0.07	0.25	0.00	1.00
R1RFCAREN_E	2765	0.16	0.38	0.00	2.00
R2RFCAREN_E	2650	0.13	0.35	0.00	2.00
R6RFCAREN_E	2120	0.19	0.55	0.00	5.00
R7RFCAREN_E	1869	0.16	0.49	0.00	4.00
R8RFCAREN_E	1699	0.17	0.53	0.00	5.00
R9RFCAREN_E	1625	0.18	0.53	0.00	5.00
S1RFCAREN_E	1653	0.07	0.26	0.00	2.00
S2RFCAREN_E	1615	0.06	0.24	0.00	2.00
S6RFCAREN_E	1139	0.07	0.35	0.00	4.00
S7RFCAREN_E	998	0.07	0.34	0.00	4.00
S8RFCAREN_E	935	0.07	0.35	0.00	5.00
S9RFCAREN_E	870	0.09	0.40	0.00	5.00
R6RFCAREHPW_E	2117	0.85	6.70	0.00	136.50
R7RFCAREHPW_E	1868	0.79	5.86	0.00	134.00
R8RFCAREHPW_E	1697	0.68	4.73	0.00	134.00
R9RFCAREHPW_E	1623	0.69	4.87	0.00	134.00
S6RFCAREHPW_E	1139	0.11	0.75	0.00	14.50
S7RFCAREHPW_E	998	0.28	3.32	0.00	84.00
S8RFCAREHPW_E	934	0.21	1.97	0.00	41.50
S9RFCAREHPW_E	869	0.16	1.07	0.00	17.00
R6RFCAREHPWM_E	287	0.02	0.16	0.00	2.00
R7RFCAREHPWM_E	224	0.00	0.07	0.00	1.00
R8RFCAREHPWM_E	214	0.01	0.10	0.00	1.00
R9RFCAREHPWM_E	208	0.01	0.10	0.00	1.00
S6RFCAREHPWM_E	58	0.03	0.26	0.00	2.00
S7RFCAREHPWM_E	51	0.00	0.00	0.00	0.00
S8RFCAREHPWM_E	51	0.02	0.14	0.00	1.00
S9RFCAREHPWM_E	59	0.02	0.13	0.00	1.00

### Categorical Variable Codes

Value-----	R1RFCARE_E	R2RFCARE_E	R3RFCARE_E	R4RFCARE_E	R5RFCARE_E
.d:DK	13	3		2	3
.h:no help received	4131	3004	3197	3646	3389
.m:Missing			4		
.p:proxy	175		147		
.r:Refuse	4	1		7	6

.s:skipped				297		
.x:no difficulty	5011	3774	4255	4830	4418	
0.no	2353	2308	1520	2251	2159	
1.yes	412	342	346	314	299	
Value-----	R6RFCARE_E	R7RFCARE_E	R8RFCARE_E	R9RFCARE_E		
.d:DK	2	2		2		
.h:no help received	3543	3204	2967	2917		
.n:institutional ivw	74	62	57	54		
.r:Refuse	2		1	1		
.x:no difficulty	4860	4529	3721	4137		
0.no	1833	1645	1485	1417		
1.yes	287	224	214	208		
Value-----	S1RFCARE_E	S2RFCARE_E	S3RFCARE_E	S4RFCARE_E	S5RFCARE_E	
.d:DK	9	2		2	3	
.h:no help received	2589	1811	1935	2235	2121	
.m:Missing			2			
.p:proxy	122		74			
.r:Refuse	3	1		6	4	
.s:skipped			216			
.u:Unmar	3561	2671	2706	2932	2742	
.v:SP NR	468	583	676	716	568	
.x:no difficulty	3694	2749	3126	3620	3368	
0.no	1541	1528	950	1450	1401	
1.yes	112	87	81	89	67	
Value-----	S6RFCARE_E	S7RFCARE_E	S8RFCARE_E	S9RFCARE_E		
.d:DK	1	2		1		
.h:no help received	2441	2172	1986	1938		
.r:Refuse	2		1			
.u:Unmar	2802	2548	2255	2286		
.v:SP NR	557	558	502	630		
.x:no difficulty	3659	3388	2766	3011		
0.no	1081	947	884	811		
1.yes	58	51	51	59		

## How Constructed

The following variables indicate whether non-relatives help the respondent with any ADL, IADL, or mobility needs. In Waves 1 through 5, if the respondent reports difficulty with at least one activity, then the respondent is asked a single question ascertaining whether they receive help with the ADL (dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet), IADL (preparing meal, shopping for groceries, making telephone calls, taking medication, doing work around the house, managing money), or mobility activities (walking 100 yards, sitting for 2 hours, getting up from chair, climbing several flights of stairs, climbing one flight of stairs, stooping, reaching arms, pulling large objects, lifting weights over 10 pounds, picking up a coin) they have difficulty with. In Waves 4 and 5, the respondent also reports difficulty with additional IADL activities: communicating and recognizing when they are in danger.

In Waves 1 and 2, if the respondent receives help then they are asked for the relationships of all the people who help them with those activities. In Waves 3 through 5, the respondent is asked for the relationships of all the people who help them if they report difficulty with an activity for each of the following groupings: 1.climbing stairs, walking across a room, getting in or out of bed, using the toilet, 2.bathing, getting dressed, 3.eating, preparing hot meals, 4.shopping for groceries, doing work around the house or garden, 5.making phone calls, managing money, 6.taking medication. In Waves 4 and 5, a seventh grouping is added that includes help with the following activities: walking 100 yards, sitting for 2 hours, getting out of a chair, stooping, reaching arms, pulling large objects, lifting 10 pounds, picking up a coin, reading a map, communicating, and recognizing when they are in danger.

Starting in Wave 6, if the respondent reports difficulty with at least one activity (same activities included in Waves 4 and 5), then the respondent is asked whether they receive help with each of the following activities: walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet, shopping for groceries, taking medication, doing work around the house or garden, and managing money. If the help they receive is at least partially due to a physical, mental, emotional or memory problem, then the respondent is asked for the relationships of all the people who help them if they report receiving

help with an activity for each of the following groupings: 1.walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using a toilet, 2.bathing, getting dressed, 3.eating, 4.shopping for groceries, doing work around the house or garden, 5.taking medication, 6.managing money.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL, IADL, or mobility activity, and are coded as special missing .h if the respondent reports difficulty with an ADL, IADL, or mobility activity but does not receive any help. In Waves 1 and 3, they are coded as special missing .p if these questions were skipped because the interview was by proxy. In Wave 3, they are coded as special missing .s if the respondent had difficulty with only activities for which they were not asked whether they received help. Starting in Wave 6, they are coded as special missing .n if these questions were skipped because the respondent was in an institution at the time of the interview. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRFCARE\_E, RwRFCAREN\_E, RwRFCAREHPW\_E, and RwRFCAREHPWM\_E include help from the respondent's non-relatives. In Waves 1 through 5 this includes help from their friend/neighbor, or other person. Starting in Wave 6 this includes help from their friend or neighbor.

RwRFCARE\_E indicates whether the respondent's non-relatives help the respondent with any ADL, IADL, or mobility needs. RwRFCARE\_E is coded as 0 if the respondent receives no assistance from non-relatives, and coded as 1 if the respondent does receive help from non-relatives. RwRFCAREN\_E is the count of the number of non-relatives who help the respondent with any ADL, IADL, or mobility needs. In Waves 1 and 2, RwRFCAREN\_E is calculated using the relationships of all the helpers reported. Starting in Wave 6, RwRFCAREN\_E is calculated using the hours of help reported for up to 3 friends and 3 neighbors. RwRFCAREN\_E is not available in Waves 3 through 5.

RwRFCAREHPW\_E indicates the number of hours per week the respondent's non-relatives help the respondent with any ADL, IADL, or mobility needs. Respondents are asked how many hours they were helped by non-relatives last week. The number of hours is collected in categories and the mid-point of the categories is used to calculate the total hours as follows: 0 (no help in the last week), 1 (less than 1 hour), 2.5 (1-4 hours), 7 (5-9 hours), 14.5 (10-19 hours), 27 (20-34 hours), 42 (35-49 hours), 74.5 (50-99 hours), 134 (100 hours or more). RwRFCAREHPW\_E is the sum of all the hours per week for all non-relative helpers, so the value can be over 168. RwRFCAREHPW\_E is calculated as long as there is at least one non-missing value. RwRFCAREHPWM\_E indicates the number of non-relatives who helped the respondent for whom no value of hours was reported and was not accounted for in RwRFCAREHPW\_E. RwRFCAREHPWM\_E is assigned special missing .m if the respondent was not helped by any non-relatives. Don't know, refused, or other missing responses to RwRFCAREHPW\_E are assigned special missing .d, .r, and .m, respectively. RwRFCAREHPW\_E and RwRFCAREHPWM\_E are available starting in Wave 6. Please note that if the respondent says don't know or refuses to answer the number of hours provided by non-relatives, then the respondent is asked whether each non-relative provides less than 20 hours, 20-34 hours, or 35 hours or more of help. We have not included these responses in these variables.

SwRFCARE\_E, SwRFCAREN\_E, and SwRFCAREHPW\_E indicate whether, the number, and the frequency with which the respondent's current wave's spouse receives help from non-relatives, and their values are taken from RwRFCARE\_E, RwRFCAREN\_E, and RwRFCAREHPW\_E. SwRFCAREHPWM\_E is the count of non-relatives who are missing values for hours helped, and its values are taken from RwRFCAREHPWM\_E. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

There is a great deal of variation in the questions ascertaining whether the respondent has difficulty, receives help, and who helps across waves. In all waves, the respondent is asked whether they have difficulty with the following activities: dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet, preparing meal, shopping for groceries, making telephone calls, taking medication, doing work around the house, managing money, walking 100 yards, sitting for 2 hours, getting up from chair, climbing several flights of stairs, climbing one flight of stairs, stooping, reaching arms, pulling large objects, lifting weights over 10 pounds, and picking up a coin. Starting in Wave 4, the respondent also reports difficulty with communicating and recognizing when they are in danger.

In Waves 1 through 5, the respondent is asked whether they receive help if they report difficulty with any activity. Starting in Wave 6, the respondent is asked whether they receive help with a specific list of activities if they report difficulty with any activity. This is followed by a question asking whether any of this help is the result of a physical, mental, emotional, or memory problem, and if not, all other questions are skipped.

In Waves 1 and 2, the respondent is asked for the relationships of all the people who help them with any activity in a single question. Starting in Wave 3, the respondent is asked for the relationships of all the people who help them with particular activities according to groupings that vary by wave. In Waves 3 through 5, the groupings are as follows: 1.climbing stairs, walking across a room, getting in or out of bed, using the toilet, 2.bathing, getting dressed, 3.eating, preparing hot meals, 4.shopping for groceries, doing work around the house or garden, 5.making phone calls, managing money, 6.taking medication. In Waves 4 and 5, a seventh grouping is added that includes help with the following activities: walking 100 yards, sitting for 2 hours, getting out of a chair, stooping, reaching arms, pulling large objects, lifting 10 pounds, picking up a coin, reading a map, communicating, and recognizing when they are in danger. Starting in Wave 6, the groupings are as follows: 1.walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using a toilet, 2.bathing, getting dressed, 3.eating, 4.shopping for groceries, doing work around the house or garden, 5.taking medication, 6.managing money. Also starting in Wave 6, the types of helpers are divided into two questions representing informal helpers (family and friends) and formal helpers (professionals).

In Waves 1 through 5 these variables include help from their friend/neighbor, or other person. Starting in Wave 6 these variables include help from their friend or neighbor.

Proxy respondents are not asked these questions in Waves 1 and 3.

Due to the way the questions are asked and the data is stored, we are able to calculate the number of non-relative helpers in Waves 1 and 2 and starting again in Wave 6, but are not able to do so in Waves 3 through 5.

Institutionalized respondents are not asked these questions starting in Wave 6.

Respondents are not asked how many hours per week they receive help until Wave 6.

## Differences with the RAND HRS/Harmonized HRS

RwRFCARE and RwRFCAREN in the Harmonized HRS indicate whether and the number of non-relatives who help the respondent with ADL or IADL activities. RwRFCARE\_E and RwRFCAREN\_E in the Harmonized ELSA indicate whether and the number of non-relatives who help the respondent with ADL, IADL, or mobility activities. Because the ELSA does not ask about care received with the same IADL activities and asks additionally about mobility activities, the "\_E" is included in the Harmonized ELSA variable name to indicate that the two concepts are similar but not directly comparable. The number of non-relative helpers can be created for all waves of the Harmonized HRS, but not for all waves of the Harmonized ELSA.

The Harmonized HRS includes RwRFCAREDPW and RwRFCAREHR indicating the days per week and hours per day the respondent receives help from non-relatives, while the Harmonized ELSA includes RwRFCAREHPW\_E indicating the hours per week the respondent receives help from non-relatives and these values were collected categorically rather than as a continuous value.

The HRS asks whether the respondent receives help after each ADL and IADL activity they report having difficulty with, and then asks separately who helps them with ADL activities, IADL activities, and managing money. This is quite different from how the ELSA collects this information, as described above.

## ELSA Variables Used

Wave 1 Core:

ASKPX1	whether interviewed by proxy
HEADA01	because of a health problem, do you have any difficultie
HEADB01	because of a health or memory problem, do you have any
HEHPA	thinking about the activities that you have problems wi
HEHPB01	who helps you with these activities? 1st



HEHPB02 who helps you with these activities? 2nd  
 HEHPB03 who helps you with these activities? 3rd  
 HEHPB04 who helps you with these activities? 4th  
 HEHPB05 who helps you with these activities? 5th  
 HEHPB06 who helps you with these activities? 6th  
 HEHPB07 who helps you with these activities? 7th  
 HEHPB08 who helps you with these activities? 8th  
 HEHPB09 who helps you with these activities? 9th  
 HEHPB10 who helps you with these activities? 10th  
 HEHPB11 who helps you with these activities? 11th  
 HEHPB12 who helps you with these activities? 12th  
 HEHPB13 who helps you with these activities? 13th  
 HEHPB14 who helps you with these activities? 14th  
 HEHPB15 who helps you with these activities? 15th  
 HEHPB16 who helps you with these activities? 16th

## Wave 2 Core:

HEADA01 ADL: activity has problem with due to health/physical pr  
 HEADB01 IADL: activity has problem with due to health/physical p  
 HEHPA ADL & IADL: whether ever has help with these activities  
 HEHPB01 ADL & IADL: who helps with these activities (1st mention  
 HEHPB02 ADL & IADL: who helps with these activities (2nd mention  
 HEHPB03 ADL & IADL: who helps with these activities (3rd mention  
 HEHPB04 ADL & IADL: who helps with these activities (4th mention  
 HEHPB05 ADL & IADL: who helps with these activities (5th mention  
 HEHPB06 ADL & IADL: who helps with these activities (6th mention  
 HEHPB07 ADL & IADL: who helps with these activities (7th mention  
 HEHPB08 ADL & IADL: who helps with these activities (8th mention  
 HEHPB09 ADL & IADL: who helps with these activities (9th mention

## Wave 3 Core:

ASKPX whether respondent had a proxy interview  
 HEADL96 adl&iadl: whether said had none of listed difficulties  
 HEADLBA adl: difficulty bathing or showering  
 HEADLBE adl: difficulty getting in and out of bed  
 HEADLDR adl: difficulty dressing, including putting on shoes and  
 HEADLEA adl: difficulty eating, such as cutting up food  
 HEADLHO iadl: difficulty doing work around house and garden  
 HEADLMA iadl: difficulty using map to figure out how to get arou  
 HEADLME iadl: difficulty taking medications  
 HEADLMO iadl: difficulty managing money, eg paying bills,keeping  
 HEADLPH iadl: difficulty making telephone calls  
 HEADLPR iadl: difficulty preparing a hot meal  
 HEADLSH iadl: difficulty shopping for groceries  
 HEADLWA adl: difficulty walking across a room  
 HEADLWC adl: difficulty using the toilet, including getting up o  
 HEHPA functioning: whether ever has help with mobility, adl, i  
 HEHPD96 whether receives help preparing a meal or eating: no hel  
 HEHPDFR whether receives help preparing a meal or eating from fr  
 HEHPDOT whether receives help preparing a meal or eating from ot  
 HEHPH96 whether receives help moving around house: no help recei  
 HEHPHFR whether receives help moving around house from friend or  
 HEHPHOT whether receives help moving around house from other per  
 HEHPM96 whether receives help taking medication: no help receive  
 HEHPMFR whether receives help taking medication from friend or n  
 HEHPMOT whether receives help taking medication from other perso  
 HEHPP96 whether receives help to shop/do work round house: no he  
 HEHPPFR whether receives help to shop/do work round house from f  
 HEHPPOT whether receives help to shop/do work round house from o  
 HEHPT96 whether receives help using phone/managing money: no hel  
 HEHPTFR whether receives help using phone/managing money from fr  
 HEHPTOT whether receives help using phone/managing money from ot  
 HEHPW96 whether receives help to wash/dress: no help received  
 HEHPWFR whether receives help to wash/dress from friend or neigh  
 HEHPWOT whether receives help to wash/dress from other person

HEMOB96	mobility: whether said had none of listed difficulties
HEMOBCH	mobility: difficulty getting up from chair after sitting
HEMOBCL	mobility: difficulty climbing one flight stairs without
HEMOBCS	mobility: difficulty climbing several flights stairs wit
HEMOBLI	mobility: difficulty lifting or carrying weights over 10
HEMOBPI	mobility: difficulty picking up 5p coin from table
HEMOBPU	mobility: difficulty pulling or pushing large objects
HEMOBRE	mobility: difficulty reaching or ectending arms above sh
HEMOBSI	mobility: difficulty sitting 2 hours
HEMOBST	mobility: difficulty stooping, kneeling or crouching
HEMOBWA	mobility: difficulty walking 100 yards
Wave 4 Core:	
HEADL96	adl&iadl: whether said had none of listed difficulties
HEHPA	functioning: whether ever has help with mobility, adl, i
HEHPB96	whether receives help with other difficulty: no help rec
HEHPBOT	whether receives help with other difficulty from other p
HEHPD96	whether receives help preparing a meal or eating: no hel
HEHPDFR	whether receives help preparing a meal or eating from fr
HEHPDOT	whether receives help preparing a meal or eating from ot
HEHPH96	whether receives help moving around house: no help recei
HEHPHFR	whether receives help moving around house from friend or
HEHPHOT	whether receives help moving around house from other per
HEHPM96	whether receives help taking medication: no help receive
HEHPMFR	whether receives help taking medication from friend or n
HEHPMOT	whether receives help taking medication from other perso
HEHPP96	whether receives help to shop/do work round house: no he
HEHPPFR	whether receives help to shop/do work round house from f
HEHPPOT	whether receives help to shop/do work round house from o
HEHPOT96	whether receives help using phone/managing money: no hel
HEHPTFR	whether receives help using phone/managing money from fr
HEHPTOT	whether receives help using phone/managing money from ot
HEHPW96	whether receives help to wash/dress: no help received
HEHPWFR	whether receives help to wash/dress from friend or neigh
HEHPWOT	whether receives help to wash/dress from other person
HEMOB96	mobility: whether said had none of listed difficulties
Wave 5 Core:	
HEADL96	ADL&IADL: whether said had none of listed difficulties
HEHPA	Functioning: whether ever has help with mobility, ADL, I
HEHPD96	Whether receives help preparing a meal or eating: no hel
HEHPDFR	Whether receives help preparing a meal or eating from fr
HEHPDOT	Whether receives help preparing a meal or eating from ot
HEHPH96	Whether receives help with other difficulty: no help rec
HEHPHFR	Whether receives help with moving round house from frien
HEHPHOT	Whether receives help with other difficulty from other p
HEHPM96	Whether receives help taking medication: no help receive
HEHPMFR	Whether receives help taking medication from friend or n
HEHPMOT	Whether receives help taking medication from other perso
HEHPP96	Whether receives help to shop/do work round house: no he
HEHPPFR	Whether receives help to shop/do work round house from f
HEHPPOT	Whether receives help to shop/do work round house from o
HEHPOT96	Whether receives help using phone/managing money: no hel
HEHPTFR	Whether receives help using phone/managing money from fr
HEHPTOT	Whether receives help using phone/managing money from ot
HEHPW96	Whether receives help to wash/dress: no help received
HEHPWFR	Whether receives help to wash/dress from friend or neigh
HEHPWOT	Whether receives help to wash/dress from other person
HEMOB96	Mobility: whether said had none of listed difficulties
Wave 6 Core:	
ASKINST	whether respondent had an institutional interview
CAHNFR	computed from cahin:received help with at least one task
CAHNNE	computed from cahin:received help with at least one task
CAHNNO	computed from cahin:received no informal help with tasks
CAHRI20	informal help - hours of help received in last week (9 g

CAHRI21 informal help - hours of help received in last week (9 g  
 CAHRI22 informal help - hours of help received in last week (9 g  
 CAHRI23 informal help - hours of help received in last week (9 g  
 CAHRI24 informal help - hours of help received in last week (9 g  
 CAHRI25 informal help - hours of help received in last week (9 g  
 CATKA received help in last month: walking 100 yards  
 CATKB received help in last month: climbing several flights of  
 CATKC received help in last month: climbing one flight of stai  
 CATKD received help in last month: dressing, including putting  
 CATKE received help in last month: walking across a room  
 CATKF received help in last month: bathing or showering  
 CATKG received help in last month: eating, such as cutting up  
 CATKH received help in last month: getting in and out of bed  
 CATKI received help in last month: using the toilet, including  
 CATKJ received help in last month: shopping for groceries  
 CATKK received help in last month: taking medications  
 CATKL received help in last month: doing work around the house  
 CATKM received help in last month: managing money, such as pay  
 HEADL96 adl&iadl: whether said had none of listed difficulties  
 HEMOB96 mobility: whether said had none of listed difficulties

## Wave 7 Core:

ASKINST whether respondent had an institutional interview  
 CAHNFR computed from cahin:received help with at least one task  
 CAHNNE computed from cahin:received help with at least one task  
 CAHNNO computed from cahin:received no informal help with tasks  
 CAHRI20 informal help - hours of help received in last week (9 g  
 CAHRI21 informal help - hours of help received in last week (9 g  
 CAHRI22 informal help - hours of help received in last week (9 g  
 CAHRI23 informal help - hours of help received in last week (9 g  
 CAHRI24 informal help - hours of help received in last week (9 g  
 CAHRI25 informal help - hours of help received in last week (9 g  
 CATKA received help in last month: walking 100 yards  
 CATKB received help in last month: climbing several flights of  
 CATKC received help in last month: climbing one flight of stai  
 CATKD received help in last month: dressing, including putting  
 CATKE received help in last month: walking across a room  
 CATKF received help in last month: bathing or showering  
 CATKG received help in last month: eating, such as cutting up  
 CATKH received help in last month: getting in and out of bed  
 CATKI received help in last month: using the toilet, including  
 CATKJ received help in last month: shopping for groceries  
 CATKK received help in last month: taking medications  
 CATKL received help in last month: doing work around the house  
 CATKM received help in last month: managing money, such as pay  
 HEADL96 adl&iadl: whether said had none of listed difficulties  
 HEMOB96 mobility: whether said had none of listed difficulties

## Wave 8 Core:

ASKINST computed: whether respondent had an institutional interv  
 CAHNFR computed from cahin: received help with at least one tas  
 CAHNNE computed from cahin: received help with at least one tas  
 CAHNNO computed from cahin: received no informal help with task  
 CAHRI20 informal help: hours of help received in last week: frie  
 CAHRI21 informal help: hours of help received in last week: frie  
 CAHRI22 informal help: hours of help received in last week: frie  
 CAHRI23 informal help: hours of help received in last week: neig  
 CAHRI24 informal help: hours of help received in last week: neig  
 CAHRI25 informal help: hours of help received in last week: neig  
 CATKA whether received help last month: walking 100 yards  
 CATKB whether received help last month: climbing several fligh  
 CATKC whether received help last month: climbing one flight of  
 CATKD whether received help last month: dressing, including pu  
 CATKE whether received help last month: walking across a room  
 CATKF whether received help last month: bathing or showering

CATKG	whether received help last month: eating, such as cuttin
CATKH	whether received help last month: getting in and out of
CATKI	whether received help last month: using the toilet, incl
CATKJ	whether received help last month: shopping for groceries
CATKK	whether received help last month: taking medications
CATKL	whether received help last month: doing work around the
CATKM	whether received help last month: managing money, such a
HEADL96	adl&iadl: difficulty with none of these
HEMOB96	mobility: difficulty with none of these
Wave 9 Core:	
ASKINST	Computed: whether respondent had an institutional interv
CAHNFR	Computed from cahin: received help with at least one tas
CAHNNE	Computed from cahin: received help with at least one tas
CAHNNO	Computed from cahin: received no informal help with task
CAHRI20	Informal help: hours of help received in last week: Frie
CAHRI21	Informal help: hours of help received in last week: Frie
CAHRI22	Informal help: hours of help received in last week: Frie
CAHRI23	Informal help: hours of help received in last week: Neig
CAHRI24	Informal help: hours of help received in last week: Neig
CAHRI25	Informal help: hours of help received in last week: Neig
CATKA	Whether received help last month: walking 100 yards
CATKB	Whether received help last month: climbing several fligh
CATKC	Whether received help last month: climbing one flight of
CATKD	Whether received help last month: dressing, including pu
CATKE	Whether received help last month: walking across a room
CATKF	Whether received help last month: bathing or showering
CATKG	Whether received help last month: eating, such as cuttin
CATKH	Whether received help last month: getting in and out of
CATKI	Whether received help last month: using the toilet, incl
CATKJ	Whether received help last month: shopping for groceries
CATKK	Whether received help last month: taking medications
CATKL	Whether received help last month: doing work around the
CATKM	Whether received help last month: managing money, such a
HEADL96	ADL&IADL: difficulty with none of these
HEMOB96	Mobility: difficulty with none of these

<b>Care for ADLs or IADLS: Receives Formal Caregiving</b>
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Wave	Variable	Label	Type
1	R1RFAANY_E	r1rfaany_e:w1 r receives any formal care for adls/iadls/mobi	Categ
2	R2RFAANY_E	r2rfaany_e:w2 r receives any formal care for adls/iadls/mobi	Categ
3	R3RFAANY_E	r3rfaany_e:w3 r receives any formal care for adls/iadls/mobi	Categ
4	R4RFAANY_E	r4rfaany_e:w4 r receives any formal care for adls/iadls/mobi	Categ
5	R5RFAANY_E	r5rfaany_e:w5 r receives any formal care for adls/iadls/mobi	Categ
6	R6RFAANY_E	r6rfaany_e:w6 r receives any formal care for adls/iadls/mobi	Categ
7	R7RFAANY_E	r7rfaany_e:w7 r receives any formal care for adls/iadls/mobi	Categ
8	R8RFAANY_E	r8rfaany_e:w8 r receives any formal care for adls/iadls/mobi	Categ
9	R9RFAANY_E	r9rfaany_e:w9 r receives any formal care for adls/iadls/mobi	Categ
1	S1RFAANY_E	s1rfaany_e:w1 s receives any formal care for adls/iadls/mobi	Categ
2	S2RFAANY_E	s2rfaany_e:w2 s receives any formal care for adls/iadls/mobi	Categ
3	S3RFAANY_E	s3rfaany_e:w3 s receives any formal care for adls/iadls/mobi	Categ
4	S4RFAANY_E	s4rfaany_e:w4 s receives any formal care for adls/iadls/mobi	Categ
5	S5RFAANY_E	s5rfaany_e:w5 s receives any formal care for adls/iadls/mobi	Categ
6	S6RFAANY_E	s6rfaany_e:w6 s receives any formal care for adls/iadls/mobi	Categ
7	S7RFAANY_E	s7rfaany_e:w7 s receives any formal care for adls/iadls/mobi	Categ
8	S8RFAANY_E	s8rfaany_e:w8 s receives any formal care for adls/iadls/mobi	Categ
9	S9RFAANY_E	s9rfaany_e:w9 s receives any formal care for adls/iadls/mobi	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RFAANY_E	6896	0.07	0.25	0.00	1.00
R2RFAANY_E	5654	0.08	0.28	0.00	1.00
R3RFAANY_E	5063	0.06	0.23	0.00	1.00
R4RFAANY_E	5954	0.08	0.28	0.00	1.00
R5RFAANY_E	5847	0.08	0.28	0.00	1.00
R6RFAANY_E	5663	0.10	0.31	0.00	1.00
R7RFAANY_E	5073	0.10	0.30	0.00	1.00
R8RFAANY_E	4666	0.11	0.31	0.00	1.00
R9RFAANY_E	4542	0.10	0.30	0.00	1.00
S1RFAANY_E	4242	0.03	0.16	0.00	1.00
S2RFAANY_E	3426	0.04	0.20	0.00	1.00
S3RFAANY_E	2966	0.02	0.14	0.00	1.00
S4RFAANY_E	3562	0.04	0.19	0.00	1.00
S5RFAANY_E	3589	0.03	0.16	0.00	1.00
S6RFAANY_E	3580	0.06	0.23	0.00	1.00
S7RFAANY_E	3170	0.06	0.23	0.00	1.00
S8RFAANY_E	2921	0.07	0.25	0.00	1.00
S9RFAANY_E	2808	0.05	0.23	0.00	1.00

### Categorical Variable Codes

Value-----	R1RFAANY_E	R2RFAANY_E	R3RFAANY_E	R4RFAANY_E	R5RFAANY_E
.d:DK	13	3		2	3
.m:Missing				10	
.p:proxy	175		147		
.r:Refuse	4	1		7	6
.s:skipped			297	247	
.x:no difficulty	5011	3774	4255	4830	4418
0.no	6441	5182	4782	5455	5356
1.yes	455	472	281	499	491
Value-----	R6RFAANY_E	R7RFAANY_E	R8RFAANY_E	R9RFAANY_E	

.d:DK	2	2		2
.n:institutional ivw	74	62	57	54
.r:Refuse	2		1	1
.x:no difficulty	4860	4529	3721	4137
0.no	5073	4557	4160	4083
1.yes	590	516	506	459

Value-----	S1RFAANY_E	S2RFAANY_E	S3RFAANY_E	S4RFAANY_E	S5RFAANY_E
.d:DK	9	2		2	3
.m:Missing			2	9	
.p:proxy	122		74		
.r:Refuse	3	1		6	4
.s:skipped			216	203	
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:no difficulty	3694	2749	3126	3620	3368
0.no	4133	3282	2908	3433	3490
1.yes	109	144	58	129	99

Value-----	S6RFAANY_E	S7RFAANY_E	S8RFAANY_E	S9RFAANY_E
.d:DK	1	2		1
.r:Refuse	2		1	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.x:no difficulty	3659	3388	2766	3011
0.no	3382	2991	2731	2655
1.yes	198	179	190	153

## How Constructed

RwRFAANY\_E indicates whether the respondent receives any formal care for difficulties with ADLs, IADLs, or mobility activities. In Waves 1 through 5, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked the following question: "Thinking about the activities that you have problems with, does anyone ever help you with these activities (including your partner or other people in your household)?" If so, in Waves 1 and 2 they are asked to list the relationships for all the people who help with these activities. In Waves 3 through 5, they are asked to separately list the relationships for all the people who help according to the following groupings if they report difficulty with one of the activities: moving around the house (climbing stairs, walking across a room, getting in or out of bed, or using the toilet), bathing/showering or getting dressed, eating or preparing a hot meal, shopping for groceries or doing work around the house or garden, making phone calls or managing money, and taking medication. In Wave 5 they are also asked to list the relationships for all the people who help with the other mobility activities (walking 100 yards, sitting getting up from a chair, stooping, reaching arms, pulling a heavy object, lifting 10 lbs, picking up a coin, reading a map, communicating, or recognizing danger) if they report difficulty with one of the activities.

Starting in Wave 6, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked whether someone helps them with each of those activities. Respondents are asked if they received help with the following ADL activities: dressing, walking across a room, bathing, eating, getting in and out of bed, and using the toilet. Respondents are asked if they received help with the following IADL activities: grocery shopping, taking medications, doing work around the house or garden, and managing money. Respondents are asked if they received help with the following mobility activities: walking 100 yards, climbing several flights of stairs without resting, and climbing one flight of stairs without resting. They are asked to separately list the relationships for all the people who help according to the following groupings: mobility (walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using the toilet), bathing/showering or getting dressed, eating, shopping for groceries or doing work around the house or garden, taking medication, or managing money.

In Waves 1 and 2, the following relationships are considered to provide formal care: unpaid volunteer, privately paid employee, or social or health service worker. In Wave 3, the following relationships are considered to provide formal care: home help or care arranged by social services, home help or care arranged privately, nurse (e.g. district nurse or health visitor), someone else from the health or social services, or someone from a voluntary organization (e.g. Age Concern,...). In Waves 4 and 5, the following relationships are considered to provide formal care: privately paid help, local authority/social services helper (e.g. home care worker), nurse (e.g. health visitor or district nurse),

or member of staff at the care/nursing home. Starting in Wave 6, the following relationships are considered to provide formal care: home care worker/home help/personal assistant, member of the reablement/intermediate care staff team, voluntary helper, warden/sheltered housing manager, cleaner, council's handyman, member of staff at the care/nursing home, or other formal provider.

RwRFAANY\_E is assigned a value of 0 if the respondent has difficulty with at least one ADL, IADL, or mobility activity but receives no help with the activity from a formal caregiver or does not receive any help. RwRFAANY\_E is assigned a value of 1 if the respondent has difficulty with at least one ADL, IADL, or mobility activity and a formal caregiver helps with at least one of the activities. RwRFAANY\_E is assigned special missing .x if the respondent has no difficulty with any ADLs, IADLs, or mobility activities. In Waves 1 and 3, RwRFAANY\_E is assigned special missing .p if these questions were skipped because the interview was completed by proxy. In Wave 3, RwRFAANY\_E is assigned special missing .s if the respondent had difficulty with one of the activities that respondents were not asked about receiving help for. Starting in Wave 6, RwRFAANY\_E is assigned special missing .n if these questions were skipped because the respondent was in an institution at the time of the interview. Don't know, refused, and other missing responses are assigned special missing .d, .r, and .m, respectively. RwRFAANY\_E is assigned a blank missing (.) if the respondent did not participate in the current wave.

SwRFAANY\_E indicates whether the respondent's current wave's spouse receives any formal care for difficulties with ADLs, IADLs, or mobility activities, and its values are taken from RwRFAANY\_E. In addition to the special missing codes employed by RwRFAANY\_E, SwRFAANY\_E employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Proxy respondents are not asked these questions in Waves 1 and 3.

Institutionalized respondents are not asked these questions starting in Wave 6.

In Waves 1 and 2, the following relationships are considered to provide formal care: unpaid volunteer, privately paid employee, or social or health service worker. In Wave 3, the following relationships are considered to provide formal care: home help or care arranged by social services, home help or care arranged privately, nurse (e.g. district nurse or health visitor), someone else from the health or social services, or someone from a voluntary organization (e.g. Age Concern,...). In Waves 4 and 5, the following relationships are considered to provide formal care: privately paid help, local authority/social services helper (e.g. home care worker), nurse (e.g. health visitor or district nurse), or member of staff at the care/nursing home. Starting in Wave 6, the following relationships are considered to provide formal care: home care worker/home help/personal assistant, member of the reablement/intermediate care staff team, voluntary helper, warden/sheltered housing manager, cleaner, council's handyman, member of staff at the care/nursing home, or other formal provider.

In Waves 1 through 5, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked a single question ascertaining whether they receive help with activities with which they have difficulty. If so, in Waves 1 and 2 they are asked to list the relationships for all the people who help with these activities. In Waves 3 through 5, they are asked to separately list the relationships for all the people who help according to the following groupings: moving around the house (climbing stairs, walking across a room, getting in or out of bed, or using the toilet), bathing/showering or getting dressed, eating or preparing a hot meal, shopping for groceries or doing work around the house or garden, making phone calls or managing money, and taking medication, if they report difficulty with one of the activities. In Wave 5 they are also asked to list the relationships for all the people who help with the other mobility activities if they report difficulty with one of the activities (walking 100 yards, sitting getting up from a chair, stooping, reaching arms, pulling a heavy object, lifting 10 lbs, picking up a coin, reading a map, communicating, or recognizing danger).

Starting in Wave 6, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked whether someone helps them with each of those activities. They are asked to separately list the relationships for all the people who help according to the following groupings: mobility (walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using the toilet), bathing/showering or getting dressed, eating, shopping for groceries or doing work around the house or garden, taking medication, or managing money.

## Differences with the RAND HRS/Harmonized HRS

RwRFAANY in the Harmonized HRS indicates whether the respondent receives help with any ADL or IADL activity that they report having difficulty with from a formal caregiver. RwRFAANY\_E in the Harmonized ELSA indicates whether the respondent receives help with an ADL, IADL, or mobility activity from a foWrml caregiver as long as they report having difficulty with at least one of the activities. Because the ELSA does not ask about formal care received with the same IADL activities and asks additionally about mobility activities, the "\_E" is included in the Harmonized ELSA variable name to indicate that the two concepts are similar but not directly comparable.

The HRS first asks whether the respondent has difficulty with an activity, and if so, asks whether someone helps them with that activity, which is different from how the ELSA asks these questions, as explained above. The HRS asks about help received for preparing a hot meal and making telephone calls, which are not asked in the ELSA. The ELSA asks about help received for doing work around the house or garden, recognizing when they are in physical danger, communication (speech, hearing, or eyesight), walking 100 yards, climbing several flights of stairs without resting, climbing one flight of stairs without resting, and additional mobility activities, which are not asked in the HRS.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
HEADA01	because of a health problem, do you have any difficultie
HEADB01	because of a health or memory problem, do you have any
HEHPA	thinking about the activities that you have problems wi
HEHPB01	who helps you with these activities? 1st
HEHPB02	who helps you with these activities? 2nd
HEHPB03	who helps you with these activities? 3rd
HEHPB04	who helps you with these activities? 4th
HEHPB05	who helps you with these activities? 5th
HEHPB06	who helps you with these activities? 6th
HEHPB07	who helps you with these activities? 7th
HEHPB08	who helps you with these activities? 8th
HEHPB09	who helps you with these activities? 9th
HEHPB10	who helps you with these activities? 10th
HEHPB11	who helps you with these activities? 11th
HEHPB12	who helps you with these activities? 12th
HEHPB13	who helps you with these activities? 13th
HEHPB14	who helps you with these activities? 14th
HEHPB15	who helps you with these activities? 15th
HEHPB16	who helps you with these activities? 16th

### Wave 2 Core:

HEADA01	ADL: activity has problem with due to health/physical pr
HEADB01	IADL: activity has problem with due to health/physical p
HEHPA	ADL & IADL: whether ever has help with these activities
HEHPB01	ADL & IADL: who helps with these activities (1st mention
HEHPB02	ADL & IADL: who helps with these activities (2nd mention
HEHPB03	ADL & IADL: who helps with these activities (3rd mention
HEHPB04	ADL & IADL: who helps with these activities (4th mention
HEHPB05	ADL & IADL: who helps with these activities (5th mention
HEHPB06	ADL & IADL: who helps with these activities (6th mention
HEHPB07	ADL & IADL: who helps with these activities (7th mention
HEHPB08	ADL & IADL: who helps with these activities (8th mention
HEHPB09	ADL & IADL: who helps with these activities (9th mention

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
HEADL96	adl&iadl: whether said had none of listed difficulties
HEADLBA	adl: difficulty bathing or showering
HEADLBE	adl: difficulty getting in and out of bed
HEADLDR	adl: difficulty dressing, including putting on shoes and
HEADLEA	adl: difficulty eating, such as cutting up food



HEADLHO iadl: difficulty doing work around house and garden  
 HEADLMA iadl: difficulty using map to figure out how to get arou  
 HEADLME iadl: difficulty taking medications  
 HEADLMO iadl: difficulty managing money, eg paying bills,keeping  
 HEADLPH iadl: difficulty making telephone calls  
 HEADLPR iadl: difficulty preparing a hot meal  
 HEADLSH iadl: difficulty shopping for groceries  
 HEADLWA adl: difficulty walking across a room  
 HEADLWC adl: difficulty using the toilet, including getting up o  
 HEHPA functioning: whether ever has help with mobility, adl, i  
 HEHPD96 whether receives help preparing a meal or eating: no hel  
 HEHPDNU whether receives help preparing a meal or eating from nu  
 HEHPDOS whether receives help preparing a meal or eating from ot  
 HEHPDPR whether receives help preparing a meal or eating from pr  
 HEHPDSS whether receives help preparing a meal or eating from so  
 HEHPDVO whether receives help preparing a meal or eating from vo  
 HEHPH96 whether receives help moving around house: no help recei  
 HEHPHNU whether receives help moving around house from nurse  
 HEHPHOS whether receives help moving around house from other hea  
 HEHPHPR whether receives help moving around house from privately  
 HEHPHSS whether receives help moving around house from social se  
 HEHPHVO whether receives help moving around house from voluntary  
 HEHPM96 whether receives help taking medication: no help receive  
 HEHPMNU whether receives help taking medication from nurse  
 HEHPMOS whether receives help taking medication from other healt  
 HEHPMPR whether receives help taking medication from privately a  
 HEHPMSS whether receives help taking medication from social serv  
 HEHPMVO whether receives help taking medication from voluntary o  
 HEHPP96 whether receives help to shop/do work round house: no he  
 HEHPPNU whether receives help to shop/do work round house from n  
 HEHPPOS whether receives help to shop/do work round house from o  
 HEHPPPR whether receives help to shop/do work round house from p  
 HEHPPSS whether receives help to shop/do work round house from s  
 HEHPPVO whether receives help to shop/do work round house from v  
 HEHPT96 whether receives help using phone/managing money: no hel  
 HEHPTNU whether receives help using phone/managing money from nu  
 HEHPTOS whether receives help using phone/managing money from ot  
 HEHPTPR whether receives help using phone/managing money from pr  
 HEHPTSS whether receives help using phone/managing money from so  
 HEHPTVO whether receives help using phone/managing money from vo  
 HEHPW96 whether receives help to wash/dress: no help received  
 HEHPWNU whether receives help to wash/dress from nurse  
 HEHPWOS whether receives help to wash/dress from other health or  
 HEHPWPR whether receives help to wash/dress from privately arran  
 HEHPWSS whether receives help to wash/dress from social services  
 HEHPWVO whether receives help to wash/dress from voluntary organ  
 HEMOB96 mobility: whether said had none of listed difficulties  
 HEMOBCH mobility: difficulty getting up from chair after sitting  
 HEMOBCL mobility: difficulty climbing one flight stairs without  
 HEMOBCS mobility: difficulty climbing several flights stairs wit  
 HEMOBLI mobility: difficulty lifting or carrying weights over 10  
 HEMOBPI mobility: difficulty picking up 5p coin from table  
 HEMOBPU mobility: difficulty pulling or pushing large objects  
 HEMOBRE mobility: difficulty reaching or ectending arms above sh  
 HEMOBSI mobility: difficulty sitting 2 hours  
 HEMOBST mobility: difficulty stooping, kneeling or crouching  
 HEMOBWA mobility: difficulty walking 100 yards

## Wave 4 Core:

HEADL96 adl&iadl: whether said had none of listed difficulties  
 HEADLBA adl: difficulty bathing or showering  
 HEADLBE adl: difficulty getting in and out of bed  
 HEADLDR adl: difficulty dressing, including putting on shoes and  
 HEADLEA adl: difficulty eating, such as cutting up food

HEADLHO iadl: doing work around the house or garden  
 HEADLMA iadl: difficulty using map to figure out how to get arou  
 HEADLME iadl: taking medications  
 HEADLMO iadl: managing money, such as bills and expenses  
 HEADLPR iadl: preparing a hot meal  
 HEADLSH iadl: shopping for groceries  
 HEADLTE iadl: making telephone calls  
 HEADLWA adl: difficulty walking across a room  
 HEADLWC adl: difficulty using the toilet, including getting up o  
 HEHPA functioning: whether ever has help with mobility, adl, i  
 HEHPD96 whether receives help preparing a meal or eating: no hel  
 HEHPDLA whether receives help preparing a meal or eating from lo  
 HEHPDNU whether receives help preparing a meal or eating from he  
 HEHPDPP whether receives help preparing a meal or eating from pr  
 HEHPDST whether receives help preparing a meal or eating from st  
 HEHPH96 whether receives help moving around house: no help recei  
 HEHPHLA whether receives help moving around house from local aut  
 HEHPHNU whether receives help moving around house from health vi  
 HEHPHPP whether receives help moving around house from privately  
 HEHPHST whether receives help moving around house from member of  
 HEHPM96 whether receives help taking medication: no help receive  
 HEHPMLA whether receives help taking medication from local autho  
 HEHPMNU whether receives help taking medication from health visi  
 HEHPMPP whether receives help taking medication from privately p  
 HEHPMST whether receives help taking medication from member of s  
 HEHPP96 whether receives help to shop/do work round house: no he  
 HEHPPLA whether receives help to shop/do work round house from l  
 HEHPPNU whether receives help to shop/do work round house from h  
 HEHPPPP whether receives help to shop/do work round house from p  
 HEHPPST whether receives help to shop/do work round house from m  
 HEHPT96 whether receives help using phone/managing money: no hel  
 HEHPTLA whether receives help using phone/managing money from lo  
 HEHPTNU whether receives help using phone/managing money from he  
 HEHPTPP whether receives help using phone/managing money from pr  
 HEHPTST whether receives help using phone/managing money from me  
 HEHPW96 whether receives help to wash/dress: no help received  
 HEHPWLA whether receives help to wash/dress from local authority/  
 HEHPWNU whether receives help to wash/dress from health visitor  
 HEHPWPP whether receives help to wash/dress from privately paid  
 HEHPWST whether receives help to wash/dress from member of staff  
 HEMOB96 mobility: whether said had none of listed difficulties  
 HEMOBCH mobility: difficulty getting up from chair after sitting  
 HEMOBCL mobility: difficulty climbing one flight stairs without  
 HEMOBCS mobility: difficulty climbing several flights stairs wit  
 HEMOBLI mobility: difficulty lifting or carrying weights over 10  
 HEMOBPI mobility: difficulty picking up 5p coin from table  
 HEMOBPU mobility: difficulty pulling or pushing large objects  
 HEMOBRE mobility: difficulty reaching or extending arms above sh  
 HEMOBSI mobility: difficulty sitting 2 hours  
 HEMOBST mobility: difficulty stooping, kneeling or crouching  
 HEMOBWA mobility: difficulty walking 100 yards

## Wave 5 Core:

HEADL96 ADL&IADL: whether said had none of listed difficulties  
 HEHPA Functioning: whether ever has help with mobility, ADL, I  
 HEHPB96 Whether receives help with other difficulty: no help rec  
 HEHPBLA Whether receives help for other difficulty from local a  
 HEHPBNU Whether receives help with other difficulty from nurse  
 HEHPBPP Whether receives help with other difficulty from privat  
 HEHPBST Whether receives help with other difficulty from member  
 HEHPD96 Whether receives help preparing a meal or eating: no hel  
 HEHPDLA Whether receives help preparing meal/eating from local a  
 HEHPDNU Whether receives help preparing a meal or eating from nu  
 HEHPDPP Whether receives help preparing a meal or eating from pr

HEHPDST	Whether receives help preparing a meal or eating from ca
HEHPH96	Whether receives help with other difficulty: no help rec
HEHPHLA	Whether receives help moving round house from local aut
HEHPHNU	Whether receives help with moving round house from nurse
HEHPHPP	Whether receives help with moving round house from priv
HEHPHST	Whether receives help with moving round house from membe
HEHPM96	Whether receives help taking medication: no help receive
HEHPMLA	Whether receives help taking medication from local autho
HEHPMNU	Whether receives help taking medication from nurse
HEHPMSI	Whether receives help taking medication from privately p
HEHPMST	Whether receives help taking medication from care staff/
HEHPP96	Whether receives help to shop/do work round house: no he
HEHPPLA	Whether receives help shopping/working round house from
HEHPNU	Whether receives help to shop/do work round house from n
HEHPPPP	Whether receives help to shop/do work round housefrom pr
HEHPPST	Whether receives help to shop/do work round housefrom ca
HEHPT96	Whether receives help using phone/managing money: no hel
HEHPTLA	Whether receives help using phone/managing money from la
HEHPTNU	Whether receives help using phone/managing money from nu
HEHPTPP	Whether receives help using phone/managing money from pr
HEHPTST	Whether receives help using phone/managing money from ca
HEHPW96	Whether receives help to wash/dress: no help received
HEHPWLA	Whether receives help to wash/dress from local authority
HEHPWNU	Whether receives help to wash/dress from nurse
HEHPWPP	Whether receives help to wash/dress from privately paid
HEHPWST	Whether receives help to wash/dress from care staff/nurs
HEMOB96	Mobility: whether said had none of listed difficulties

## Wave 6 Core:

ASKINST	whether respondent had an institutional interview
CAHFONO1	formal help received - with moving (catka, b, c, e, h, i
CAHFONO2	formal help received - with washing/dressing (catkad, f)
CAHFONO3	formal help received - with eating (catkag): none of the
CAHFONO4	formal help received - with shopping & work around the h
CAHFONO5	formal help received - with taking medication (catkak):
CAHFONO6	formal help received - with managing money (catkam): non
CAHNCL	computed from cahfo:received help with at least one task
CAHNHC	computed from cahfo:received help with at least one task
CAHNHM	computed from cahfo:received help with at least one task
CAHNNH	computed from cahfo:received help with at least one task
CAHNOT	computed from cahfo:received help with at least one task
CAHNRE	computed from cahfo:received help with at least one task
CAHNVO	computed from cahfo:received help with at least one task
CAHNWA	computed from cahfo:received help with at least one task
CATKA	received help in last month: walking 100 yards
CATKB	received help in last month: climbing several flights of
CATKC	received help in last month: climbing one flight of stai
CATKD	received help in last month: dressing, including putting
CATKE	received help in last month: walking across a room
CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including
CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties

## Wave 7 Core:

ASKINST	whether respondent had an institutional interview
CAHFONO1	formal help received - with moving (catka, b, c, e, h, i
CAHFONO2	formal help received - with washing/dressing (catkad, f)
CAHFONO3	formal help received - with eating (catkag): none of the

CAHFONO4	formal help received - with shopping & work around the h
CAHFONO5	formal help received - with taking medication (catkak):
CAHFONO6	formal help received - with managing money (catkam): non
CAHNCL	computed from cahfo:received help with at least one task
CAHNHC	computed from cahfo:received help with at least one task
CAHNHM	computed from cahfo:received help with at least one task
CAHNNH	computed from cahfo:received help with at least one task
CAHNOT	computed from cahfo:received help with at least one task
CAHNRE	computed from cahfo:received help with at least one task
CAHNVO	computed from cahfo:received help with at least one task
CAHNWA	computed from cahfo:received help with at least one task
CATKA	received help in last month: walking 100 yards
CATKB	received help in last month: climbing several flights of
CATKC	received help in last month: climbing one flight of stai
CATKD	received help in last month: dressing, including putting
CATKE	received help in last month: walking across a room
CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including
CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties
Wave 8 Core:	
ASKINST	computed: whether respondent had an institutional interv
CAHFONO1	formal help received: with moving (catka, b, c, e, h, i)
CAHFONO2	formal help received: with washing/dressing (catkad, f):
CAHFONO3	formal help received: with eating (catkag): none of thes
CAHFONO4	formal help received: with shopping & work around the ho
CAHFONO5	formal help received: with taking medication (catkak): n
CAHFONO6	formal help received: with managing money (catkam): none
CAHNCL	computed from cahfo: received help with at least one tas
CAHNHC	computed from cahfo: received help with at least one tas
CAHNHM	computed from cahfo: received help with at least one tas
CAHNNH	computed from cahfo: received help with at least one tas
CAHNOT	computed from cahfo: received help with at least one tas
CAHNRE	computed from cahfo: received help with at least one tas
CAHNVO	computed from cahfo: received help with at least one tas
CAHNWA	computed from cahfo: received help with at least one tas
CATKA	whether received help last month: walking 100 yards
CATKB	whether received help last month: climbing several fligh
CATKC	whether received help last month: climbing one flight of
CATKD	whether received help last month: dressing, including pu
CATKE	whether received help last month: walking across a room
CATKF	whether received help last month: bathing or showering
CATKG	whether received help last month: eating, such as cuttin
CATKH	whether received help last month: getting in and out of
CATKI	whether received help last month: using the toilet, incl
CATKJ	whether received help last month: shopping for groceries
CATKK	whether received help last month: taking medications
CATKL	whether received help last month: doing work around the
CATKM	whether received help last month: managing money, such a
HEADL96	adl&iadl: difficulty with none of these
HEMOB96	mobility: difficulty with none of these
Wave 9 Core:	
ASKINST	Computed: whether respondent had an institutional interv
CAHFONO1	Formal help received: with moving (catka, b, c, e, h, i)
CAHFONO2	Formal help received: with washing/dressing (catkad, f):
CAHFONO3	Formal help received: with eating (catkag): None of thes
CAHFONO4	Formal help received: with shopping & work around the ho

CAHFONO5 Formal help received: with taking medication (catkak): N  
CAHFONO6 Formal help received: with managing money (catkam): None  
CAHNCL Computed from cahfo: received help with at least one tas  
CAHNHC Computed from cahfo: received help with at least one tas  
CAHNHM Computed from cahfo: received help with at least one tas  
CAHNNH Computed from cahfo: received help with at least one tas  
CAHNOT Computed from cahfo: received help with at least one tas  
CAHNRE Computed from cahfo: received help with at least one tas  
CAHNVO Computed from cahfo: received help with at least one tas  
CAHNWA Computed from cahfo: received help with at least one tas  
CATKA Whether received help last month: walking 100 yards  
CATKB Whether received help last month: climbing several flight  
CATKC Whether received help last month: climbing one flight of  
CATKD Whether received help last month: dressing, including pu  
CATKE Whether received help last month: walking across a room  
CATKF Whether received help last month: bathing or showering  
CATKG Whether received help last month: eating, such as cuttin  
CATKH Whether received help last month: getting in and out of  
CATKI Whether received help last month: using the toilet, incl  
CATKJ Whether received help last month: shopping for groceries  
CATKK Whether received help last month: taking medications  
CATKL Whether received help last month: doing work around the  
CATKM Whether received help last month: managing money, such a  
HEADL96 ADL&IADL: difficulty with none of these  
HEMOB96 Mobility: difficulty with none of these

<b>Care for ADLs or IADLs: Receives Formal Caregiving from Paid Professionals</b>
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Wave	Variable	Label	Type
1	R1RPF CARE_E	r1rpfcare_e:w1 r receives formal care from paid professional	Categ
2	R2RPF CARE_E	r2rpfcare_e:w2 r receives formal care from paid professional	Categ
3	R3RPF CARE_E	r3rpfcare_e:w3 r receives formal care from paid professional	Categ
4	R4RPF CARE_E	r4rpfcare_e:w4 r receives formal care from paid professional	Categ
5	R5RPF CARE_E	r5rpfcare_e:w5 r receives formal care from paid professional	Categ
6	R6RPF CARE_E	r6rpfcare_e:w6 r receives formal care from paid professional	Categ
7	R7RPF CARE_E	r7rpfcare_e:w7 r receives formal care from paid professional	Categ
8	R8RPF CARE_E	r8rpfcare_e:w8 r receives formal care from paid professional	Categ
9	R9RPF CARE_E	r9rpfcare_e:w9 r receives formal care from paid professional	Categ
1	S1RPF CARE_E	s1rpfcare_e:w1 s receives formal care from paid professional	Categ
2	S2RPF CARE_E	s2rpfcare_e:w2 s receives formal care from paid professional	Categ
3	S3RPF CARE_E	s3rpfcare_e:w3 s receives formal care from paid professional	Categ
4	S4RPF CARE_E	s4rpfcare_e:w4 s receives formal care from paid professional	Categ
5	S5RPF CARE_E	s5rpfcare_e:w5 s receives formal care from paid professional	Categ
6	S6RPF CARE_E	s6rpfcare_e:w6 s receives formal care from paid professional	Categ
7	S7RPF CARE_E	s7rpfcare_e:w7 s receives formal care from paid professional	Categ
8	S8RPF CARE_E	s8rpfcare_e:w8 s receives formal care from paid professional	Categ
9	S9RPF CARE_E	s9rpfcare_e:w9 s receives formal care from paid professional	Categ
1	R1RPF CAREN_E	r1rpfcaren_e:w1 # paid professionals who help r with adls/ia	Cont
2	R2RPF CAREN_E	r2rpfcaren_e:w2 # paid professionals who help r with adls/ia	Cont
6	R6RPF CAREN_E	r6rpfcaren_e:w6 # paid professionals who help r with adls/ia	Cont
7	R7RPF CAREN_E	r7rpfcaren_e:w7 # paid professionals who help r with adls/ia	Cont
8	R8RPF CAREN_E	r8rpfcaren_e:w8 # paid professionals who help r with adls/ia	Cont
9	R9RPF CAREN_E	r9rpfcaren_e:w9 # paid professionals who help r with adls/ia	Cont
1	S1RPF CAREN_E	s1rpfcaren_e:w1 # paid professionals who help s with adls/ia	Cont
2	S2RPF CAREN_E	s2rpfcaren_e:w2 # paid professionals who help s with adls/ia	Cont
6	S6RPF CAREN_E	s6rpfcaren_e:w6 # paid professionals who help s with adls/ia	Cont
7	S7RPF CAREN_E	s7rpfcaren_e:w7 # paid professionals who help s with adls/ia	Cont
8	S8RPF CAREN_E	s8rpfcaren_e:w8 # paid professionals who help s with adls/ia	Cont
9	S9RPF CAREN_E	s9rpfcaren_e:w9 # paid professionals who help s with adls/ia	Cont
4	R4RPF CARED_E	r4rpfcares_e:w4 frequency r received care from paid professi	Categ
4	S4RPF CARED_E	s4rpfcares_e:w4 frequency s received care from paid professi	Categ
6	R6RPF CAREHPW_E	r6rpfcarehpw_e:w6 hours/week paid professionals help r with	Cont
7	R7RPF CAREHPW_E	r7rpfcarehpw_e:w7 hours/week paid professionals help r with	Cont
8	R8RPF CAREHPW_E	r8rpfcarehpw_e:w8 hours/week paid professionals help r with	Cont
9	R9RPF CAREHPW_E	r9rpfcarehpw_e:w9 hours/week paid professionals help r with	Cont
6	S6RPF CAREHPW_E	s6rpfcarehpw_e:w6 hours/week paid professionals help s with	Cont
7	S7RPF CAREHPW_E	s7rpfcarehpw_e:w7 hours/week paid professionals help s with	Cont
8	S8RPF CAREHPW_E	s8rpfcarehpw_e:w8 hours/week paid professionals help s with	Cont
9	S9RPF CAREHPW_E	s9rpfcarehpw_e:w9 hours/week paid professionals help s with	Cont
6	R6RPF CAREHPWM_E	r6rpfcarehpwm_e:w6 r paid professionals missing hours/week o	Cont
7	R7RPF CAREHPWM_E	r7rpfcarehpwm_e:w7 r paid professionals missing hours/week o	Cont
8	R8RPF CAREHPWM_E	r8rpfcarehpwm_e:w8 r paid professionals missing hours/week o	Cont
9	R9RPF CAREHPWM_E	r9rpfcarehpwm_e:w9 r paid professionals missing hours/week o	Cont
6	S6RPF CAREHPWM_E	s6rpfcarehpwm_e:w6 s paid professionals missing hours/week o	Cont
7	S7RPF CAREHPWM_E	s7rpfcarehpwm_e:w7 s paid professionals missing hours/week o	Cont
8	S8RPF CAREHPWM_E	s8rpfcarehpwm_e:w8 s paid professionals missing hours/week o	Cont
9	S9RPF CAREHPWM_E	s9rpfcarehpwm_e:w9 s paid professionals missing hours/week o	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RPF CARE_E	2765	0.10	0.30	0.00	1.00
R2RPF CARE_E	2650	0.13	0.33	0.00	1.00
R3RPF CARE_E	1866	0.08	0.28	0.00	1.00
R4RPF CARE_E	2308	0.15	0.36	0.00	1.00
R5RPF CARE_E	2458	0.14	0.35	0.00	1.00
R6RPF CARE_E	2120	0.18	0.38	0.00	1.00
R7RPF CARE_E	1869	0.19	0.39	0.00	1.00
R8RPF CARE_E	1699	0.20	0.40	0.00	1.00
R9RPF CARE_E	1625	0.19	0.39	0.00	1.00
S1RPF CARE_E	1653	0.05	0.21	0.00	1.00
S2RPF CARE_E	1615	0.07	0.25	0.00	1.00
S3RPF CARE_E	1031	0.04	0.19	0.00	1.00
S4RPF CARE_E	1327	0.06	0.25	0.00	1.00
S5RPF CARE_E	1468	0.05	0.21	0.00	1.00
S6RPF CARE_E	1139	0.09	0.29	0.00	1.00
S7RPF CARE_E	998	0.11	0.32	0.00	1.00
S8RPF CARE_E	935	0.12	0.32	0.00	1.00
S9RPF CARE_E	870	0.11	0.31	0.00	1.00
R1RPF CAREN_E	2765	0.10	0.30	0.00	1.00
R2RPF CAREN_E	2650	0.13	0.33	0.00	1.00
R6RPF CAREN_E	2120	0.21	0.51	0.00	4.00
R7RPF CAREN_E	1869	0.21	0.48	0.00	4.00
R8RPF CAREN_E	1699	0.24	0.50	0.00	4.00
R9RPF CAREN_E	1625	0.22	0.48	0.00	4.00
S1RPF CAREN_E	1653	0.05	0.21	0.00	1.00
S2RPF CAREN_E	1615	0.07	0.25	0.00	1.00
S6RPF CAREN_E	1139	0.10	0.34	0.00	3.00
S7RPF CAREN_E	998	0.12	0.36	0.00	3.00
S8RPF CAREN_E	935	0.13	0.37	0.00	3.00
S9RPF CAREN_E	870	0.13	0.38	0.00	3.00
R4RPF CARED_E	2220	0.26	0.77	0.00	4.00
S4RPF CARED_E	1322	0.13	0.57	0.00	4.00
R6RPF CAREHPW_E	2109	1.50	7.57	0.00	164.00
R7RPF CAREHPW_E	1859	1.66	8.38	0.00	150.00
R8RPF CAREHPW_E	1686	2.12	12.48	0.00	200.00
R9RPF CAREHPW_E	1615	1.44	7.00	0.00	168.00
S6RPF CAREHPW_E	1137	0.78	4.71	0.00	100.00
S7RPF CAREHPW_E	998	1.09	6.75	0.00	150.00
S8RPF CAREHPW_E	934	1.35	10.70	0.00	200.00
S9RPF CAREHPW_E	869	0.72	3.53	0.00	43.00
R6RPF CAREHPWM_E	377	0.04	0.20	0.00	2.00
R7RPF CAREHPWM_E	352	0.03	0.17	0.00	1.00
R8RPF CAREHPWM_E	348	0.04	0.20	0.00	1.00
R9RPF CAREHPWM_E	310	0.03	0.19	0.00	2.00
S6RPF CAREHPWM_E	108	0.03	0.17	0.00	1.00
S7RPF CAREHPWM_E	112	0.00	0.00	0.00	0.00
S8RPF CAREHPWM_E	111	0.01	0.09	0.00	1.00
S9RPF CAREHPWM_E	97	0.01	0.10	0.00	1.00

## Categorical Variable Codes

Value-----	R1RPF CARE_E	R2RPF CARE_E	R3RPF CARE_E	R4RPF CARE_E	R5RPF CARE_E
.d:DK	13	3		2	3
.h:no help received	4131	3004	3197	3646	3389
.m:Missing			4	10	
.p:proxy	175		147		
.r:Refuse	4	1		7	6
.s:skipped			297	247	
.x:no difficulty	5011	3774	4255	4830	4418
0.no	2491	2317	1712	1952	2103
1.yes	274	333	154	356	355

Value-----	R6RPF CARE_E	R7RPF CARE_E	R8RPF CARE_E	R9RPF CARE_E
.d:DK	2	2		2
.h:no help received	3543	3204	2967	2917
.n:institutional ivw	74	62	57	54
.r:Refuse	2		1	1
.x:no difficulty	4860	4529	3721	4137
0.no	1743	1517	1351	1315
1.yes	377	352	348	310

Value-----	S1RPF CARE_E	S2RPF CARE_E	S3RPF CARE_E	S4RPF CARE_E	S5RPF CARE_E
.d:DK	9	2		2	3
.h:no help received	2589	1811	1935	2235	2121
.m:Missing			2	9	
.p:proxy	122		74		
.r:Refuse	3	1		6	4
.s:skipped			216	203	
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:no difficulty	3694	2749	3126	3620	3368
0.no	1578	1508	991	1241	1399
1.yes	75	107	40	86	69

Value-----	S6RPF CARE_E	S7RPF CARE_E	S8RPF CARE_E	S9RPF CARE_E
.d:DK	1	2		1
.h:no help received	2441	2172	1986	1938
.r:Refuse	2		1	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.x:no difficulty	3659	3388	2766	3011
0.no	1031	886	824	773
1.yes	108	112	111	97

Value-----	R4RPF CARED_E
.c:care from care home staf	92
.d:DK	2
.h:no help received	3646
.m:Missing	10
.r:Refuse	7
.s:skipped	243
.x:no difficulty	4830
0.not at all	1953
1.less than once a week	74
2.once a week	111
3.2-3 times a week	52
4.every day or nearly every	30

Value-----	S4RPF CARED_E
.c:care from care home staf	7
.d:DK	2
.h:no help received	2235
.m:Missing	9
.r:Refuse	6
.s:skipped	201
.u:Unmar	2932
.v:SP NR	716
.x:no difficulty	3620



0.not at all	1242
1.less than once a week	25
2.once a week	32
3.2-3 times a week	9
4.every day or nearly every	14

## How Constructed

The following variables indicate whether paid professionals help the respondent with any ADL, IADL, or mobility needs. In Waves 1 through 5, if the respondent reports difficulty with at least one activity, then the respondent is asked a single question ascertaining whether they receive help with the ADL (dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet), IADL (preparing meal, shopping for groceries, making telephone calls, taking medication, doing work around the house, managing money), or mobility activities (walking 100 yards, sitting for 2 hours, getting up from chair, climbing several flights of stairs, climbing one flight of stairs, stooping, reaching arms, pulling large objects, lifting weights over 10 pounds, picking up a coin) they have difficulty with. In Waves 4 and 5, the respondent also reports difficulty with additional IADL activities: communicating and recognizing when they are in danger.

In Waves 1 and 2, if the respondent receives help then they are asked for the relationships of all the people who help them with those activities. In Waves 3 through 5, the respondent is asked for the relationships of all the people who help them if they report difficulty with an activity for each of the following groupings: 1.climbing stairs, walking across a room, getting in or out of bed, using the toilet, 2.bathing, getting dressed, 3.eating, preparing hot meals, 4.shopping for groceries, doing work around the house or garden, 5.making phone calls, managing money, 6.taking medication. In Waves 4 and 5, a seventh grouping is added that includes help with the following activities: walking 100 yards, sitting for 2 hours, getting out of a chair, stooping, reaching arms, pulling large objects, lifting 10 pounds, picking up a coin, reading a map, communicating, and recognizing when they are in danger.

Starting in Wave 6, if the respondent reports difficulty with at least one activity (same activities included in Waves 4 and 5), then the respondent is asked whether they receive help with each of the following activities: walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet, shopping for groceries, taking medication, doing work around the house or garden, and managing money. If the help they receive is at least partially due to a physical, mental, emotional or memory problem, then the respondent is asked for the relationships of all the people who help them if they report receiving help with an activity for each of the following groupings: 1.walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using a toilet, 2.bathing, getting dressed, 3.eating, 4.shopping for groceries, doing work around the house or garden, 5.taking medication, 6.managing money.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL, IADL, or mobility activity, and are coded as special missing .h if the respondent reports difficulty with an ADL, IADL, or mobility activity but does not receive any help. In Waves 1 and 3, they are coded as special missing .p if these questions were skipped because the interview was by proxy. In Wave 3, they are coded as special missing .s if the respondent had difficulty with only activities for which they were not asked whether they received help. Starting in Wave 6, they are coded as special missing .n if these questions were skipped because the respondent was in an institution at the time of the interview. In Wave 7, special missing .i is assigned for the values that fall outside of the maximum number of hours available in a week. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRPF CARE\_E, RwRPF CAREN\_E, RwRPF CARED\_E, RwRPF CAREHPW\_E, and RwRPF CAREHPWM\_E include help from paid professionals. In Waves 1 and 2 this includes help from a privately paid employee. In Wave 3 this includes help from home help or care arranged privately. In Waves 4 and 5 this includes help from privately paid help, or member of staff at the care/nursing home. Starting in Wave 6 this includes help from a home care worker/home help/personal assistant, cleaner, and member of staff at the care/nursing home.

RwRPF CARE\_E indicates whether paid professionals help the respondent with any ADL, IADL, or mobility needs. RwRPF CARE\_E is coded as 0 if the respondent receives no assistance from paid professionals, and coded as 1 if the respondent does receive help from paid professionals. RwRPF CAREN\_E is the count of the number of paid professionals who help the respondent with any ADL, IADL, or mobility needs. In Waves 1

and 2, RwrPFCAREN\_E is calculated using the relationships of all the helpers reported. Starting in Wave 6, RwrPFCAREN\_E is calculated using the hours of help reported for up to 3 home care workers/home help/personal assistants, a cleaner, and the member of staff at the other care/nursing home. RwrPFCAREN\_E is not available in Waves 3 through 5.

RwrPFCARED\_E indicates how frequently paid professionals help the respondent with any ADL, IADL, or mobility needs. In Wave 4, if the respondent reports receiving help from privately paid help, they are asked how often they had this help in the last month. RwrPFCARED\_E is coded as follows: 0.not at all, 1.less than once a week, 2.once a week, 3.2-3 times a week, 4.every day or nearly every day. RwrPFCARED\_E is assigned a value of 0 if the respondent did not receive care from any paid professional. RwrPFCARED\_E is assigned special missing .c if the respondent received care from members of staff at the care/nursing home and not from a privately paid professional, in which case this question was not asked. In Wave 5, the respondent is asked about the frequency of help in the last month. However, this information was not included in the dataset, and therefore, this variable was not able to be created for Wave 5.

RwrPFCAREHPW\_E indicates the number of hours per week paid professionals help the respondent with any ADL, IADL, or mobility needs. Respondents are asked how many hours they were helped by paid professionals last week. RwrPFCAREHPW\_E is the sum of all the hours per week for all paid professional helpers, so the value can be over 168. RwrPFCAREHPW\_E is calculated as long as there is at least one non-missing value. RwrPFCAREHPWM\_E indicates the number of paid professionals who helped the respondent for whom no value of hours was reported and was not accounted for in RwrPFCAREHPW\_E. RwrPFCAREHPWM\_E is assigned special missing .m if the respondent was not helped by any paid professionals. Don't know, refused, or other missing responses to RwrPFCAREHPW\_E are assigned special missing .d, .r, and .m, respectively. RwrPFCAREHPW\_E and RwrPFCAREHPWM\_E are available starting in Wave 6.

SwrPFCARE\_E, SwrPFCAREN\_E, SwrPFCARED\_E, and SwrPFCAREHPW\_E indicate whether, the number, and the frequency with which the respondent's current wave's spouse receives help from paid professionals, and their values are taken from RwrPFCARE\_E, RwrPFCAREN\_E, RwrPFCARED\_E, and RwrPFCAREHPW\_E. SwrPFCAREHPWM\_E is the count of paid professionals who are missing values for hours helped, and its values are taken from RwrPFCAREHPWM\_E. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

There is a great deal of variation in the questions ascertaining whether the respondent has difficulty, receives help, and who helps across waves. In all waves, the respondent is asked whether they have difficulty with the following activities: dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet, preparing meal, shopping for groceries, making telephone calls, taking medication, doing work around the house, managing money, walking 100 yards, sitting for 2 hours, getting up from chair, climbing several flights of stairs, climbing one flight of stairs, stooping, reaching arms, pulling large objects, lifting weights over 10 pounds, and picking up a coin. Starting in Wave 4, the respondent also reports difficulty with communicating and recognizing when they are in danger.

In Waves 1 through 5, the respondent is asked whether they receive help if they report difficulty with any activity. Starting in Wave 6, the respondent is asked whether they receive help with a specific list of activities if they report difficulty with any activity. This is followed by a question asking whether any of this help is the result of a physical, mental, emotional, or memory problem, and if not, all other questions are skipped.

In Waves 1 and 2, the respondent is asked for the relationships of all the people who help them with any activity in a single question. Starting in Wave 3, the respondent is asked for the relationships of all the people who help them with particular activities according to groupings that vary by wave. In Waves 3 through 5, the groupings are as follows: 1.climbing stairs, walking across a room, getting in or out of bed, using the toilet, 2.bathing, getting dressed, 3.eating, preparing hot meals, 4.shopping for groceries, doing work around the house or garden, 5.making phone calls, managing money, 6.taking medication. In Waves 4 and 5, a seventh grouping is added that includes help with the following activities: walking 100 yards, sitting for 2 hours, getting out of a chair, stooping, reaching arms, pulling large objects, lifting 10 pounds, picking up a coin, reading a map, communicating, and recognizing when they are in danger. Starting in Wave 6, the groupings are as follows: 1.walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using a toilet, 2.bathing, getting dressed, 3.eating, 4.shopping for groceries, doing

work around the house or garden, 5.taking medication, 6.managing money. Also starting in Wave 6, the types of helpers are divided into two questions representing informal helpers (family and friends) and formal helpers (professionals).

In Waves 1 and 2 these variables include help from a privately paid employee. In Wave 3 these variables include help from home help or care arranged privately. In Waves 4 and 5 these variables include help from privately paid help, or member of staff at the care/nursing home. Starting in Wave 6 these variables include help from a home care worker/home help/personal assistant, cleaner, and member of staff at the care/nursing home.

Proxy respondents are not asked these questions in Waves 1 and 3.

Due to the way the questions are asked and the data is stored, we are able to calculate the number of paid professional helpers in Waves 1 and 2 and starting again in Wave 6, but are not able to do so in Waves 3 through 5.

Respondents are asked how frequently they received care from privately paid help only in Waves 4 and 5. In Wave 5, this information is collected but not included in the dataset. Therefore, frequency of care received from a privately paid helper is only available for Wave 4.

Institutionalized respondents are not asked these questions starting in Wave 6.

Respondents are not asked how many hours per week they receive help until Wave 6.

## Differences with the RAND HRS/Harmonized HRS

RwRPF CARE and RwRPF CAREN in the Harmonized HRS indicate whether and the number of paid professionals who help the respondent with ADL or IADL activities. RwRPF CARE\_E and RwRPF CAREN\_E in the Harmonized ELSA indicate whether and the number of paid professionals who help the respondent with ADL, IADL, or mobility activities. Because the ELSA does not ask about care received with the same IADL activities and asks additionally about mobility activities, the "\_E" is included in the Harmonized ELSA variable name to indicate that the two concepts are similar but not directly comparable. The number of paid professional helpers can be created for all waves of the Harmonized HRS, but not for all waves of the Harmonized ELSA.

The HRS asks whether each helper is paid so RwRPF CARE and RwRPF CAREN in the Harmonized HRS indicate that the respondent receives care from a formal caregiver who is reported to be paid, while RwRPF CARE\_E and RwRPF CAREN\_E in the Harmonized ELSA indicate that the respondent receives care from a formal caregiver who is assumed to be paid privately by the respondent.

The Harmonized HRS includes RwRPF CAREDPW and RwRPF CAREEHR indicating the days per week and hours per day the respondent receives help from paid professionals, while the Harmonized ELSA includes RwRPF CAREHPW\_E indicating the hours per week the respondent receives help from paid professionals.

The HRS asks whether the respondent receives help after each ADL and IADL activity they report having difficulty with, and then asks separately who helps them with ADL activities, IADL activities, and managing money. This is quite different from how the ELSA collects this information, as described above.

## ELSA Variables Used

Wave 1 Core:

ASKPX1	whether interviewed by proxy
HEAD A01	because of a health problem, do you have any difficultie
HEAD B01	because of a health or memory problem, do you have any
HEHPA	thinking about the activities that you have problems wi
HEHPB01	who helps you with these activities? 1st
HEHPB02	who helps you with these activities? 2nd
HEHPB03	who helps you with these activities? 3rd
HEHPB04	who helps you with these activities? 4th
HEHPB05	who helps you with these activities? 5th
HEHPB06	who helps you with these activities? 6th
HEHPB07	who helps you with these activities? 7th
HEHPB08	who helps you with these activities? 8th

HEHPB09	who helps you with these activities? 9th
HEHPB10	who helps you with these activities? 10th
HEHPB11	who helps you with these activities? 11th
HEHPB12	who helps you with these activities? 12th
HEHPB13	who helps you with these activities? 13th
HEHPB14	who helps you with these activities? 14th
HEHPB15	who helps you with these activities? 15th
HEHPB16	who helps you with these activities? 16th
Wave 2 Core:	
HEADA01	ADL: activity has problem with due to health/physical pr
HEADB01	IADL: activity has problem with due to health/physical p
HEHPA	ADL & IADL: whether ever has help with these activities
HEHPB01	ADL & IADL: who helps with these activities (1st mention
HEHPB02	ADL & IADL: who helps with these activities (2nd mention
HEHPB03	ADL & IADL: who helps with these activities (3rd mention
HEHPB04	ADL & IADL: who helps with these activities (4th mention
HEHPB05	ADL & IADL: who helps with these activities (5th mention
HEHPB06	ADL & IADL: who helps with these activities (6th mention
HEHPB07	ADL & IADL: who helps with these activities (7th mention
HEHPB08	ADL & IADL: who helps with these activities (8th mention
HEHPB09	ADL & IADL: who helps with these activities (9th mention
Wave 3 Core:	
ASKPX	whether respondent had a proxy interview
HEADL96	adl&iadl: whether said had none of listed difficulties
HEADLBA	adl: difficulty bathing or showering
HEADLBE	adl: difficulty getting in and out of bed
HEADLDR	adl: difficulty dressing, including putting on shoes and
HEADLEA	adl: difficulty eating, such as cutting up food
HEADLHO	iadl: difficulty doing work around house and garden
HEADLMA	iadl: difficulty using map to figure out how to get arou
HEADLME	iadl: difficulty taking medications
HEADLMO	iadl: difficulty managing money, eg paying bills,keeping
HEADLPH	iadl: difficulty making telephone calls
HEADLPR	iadl: difficulty preparing a hot meal
HEADLSH	iadl: difficulty shopping for groceries
HEADLWA	adl: difficulty walking across a room
HEADLWC	adl: difficulty using the toilet, including getting up o
HEHPA	functioning: whether ever has help with mobility, adl, i
HEHPD96	whether receives help preparing a meal or eating: no hel
HEHPDPR	whether receives help preparing a meal or eating from pr
HEHPH96	whether receives help moving around house: no help recei
HEHPHPR	whether receives help moving around house from privately
HEHPM96	whether receives help taking medication: no help receive
HEHPMPR	whether receives help taking medication from privately a
HEHPP96	whether receives help to shop/do work round house: no he
HEHPPPR	whether receives help to shop/do work round house from p
HEHPT96	whether receives help using phone/managing money: no hel
HEHPTPR	whether receives help using phone/managing money from pr
HEHPW96	whether receives help to wash/dress: no help received
HEHPWPR	whether receives help to wash/dress from privately arran
HEMOB96	mobility: whether said had none of listed difficulties
HEMOBCH	mobility: difficulty getting up from chair after sitting
HEMOBCL	mobility: difficulty climbing one flight stairs without
HEMOBCS	mobility: difficulty climbing several flights stairs wit
HEMOBLI	mobility: difficulty lifting or carrying weights over 10
HEMOBPI	mobility: difficulty picking up 5p coin from table
HEMOBPU	mobility: difficulty pulling or pushing large objects
HEMOBRE	mobility: difficulty reaching or extending arms above sh
HEMOBSI	mobility: difficulty sitting 2 hours
HEMOBST	mobility: difficulty stooping, kneeling or crouching
HEMOBWA	mobility: difficulty walking 100 yards
Wave 4 Core:	
HEADL96	adl&iadl: whether said had none of listed difficulties

HEADLBA adl: difficulty bathing or showering  
 HEADLBE adl: difficulty getting in and out of bed  
 HEADLDR adl: difficulty dressing, including putting on shoes and  
 HEADLEA adl: difficulty eating, such as cutting up food  
 HEADLHO iadl: doing work around the house or garden  
 HEADLMA iadl: difficulty using map to figure out how to get arou  
 HEADLME iadl: taking medications  
 HEADLMO iadl: managing money, such as bills and expenses  
 HEADLPR iadl: preparing a hot meal  
 HEADLSH iadl: shopping for groceries  
 HEADLTE iadl: making telephone calls  
 HEADLWA adl: difficulty walking across a room  
 HEADLWC adl: difficulty using the toilet, including getting up o  
 HEHPA functioning: whether ever has help with mobility, adl, i  
 HEHPB96 whether receives help with other difficulty: no help rec  
 HEHPD96 whether receives help preparing a meal or eating: no hel  
 HEHPDPP whether receives help preparing a meal or eating from pr  
 HEHPDST whether receives help preparing a meal or eating from st  
 HEHPH96 whether receives help moving around house: no help recei  
 HEHPHPP whether receives help moving around house from privately  
 HEHPHST whether receives help moving around house from member of  
 HEHPM96 whether receives help taking medication: no help receive  
 HEHPMPP whether receives help taking medication from privately p  
 HEHPMST whether receives help taking medication from member of s  
 HEHPP96 whether receives help to shop/do work round house: no he  
 HEHPPD private paid help: how oftern received in the last month  
 HEHPPPP whether receives help to shop/do work round house from p  
 HEHPPST whether receives help to shop/do work round house from m  
 HEHPT96 whether receives help using phone/managing money: no hel  
 HEHPTPP whether receives help using phone/managing money from pr  
 HEHPTST whether receives help using phone/managing money from me  
 HEHPW96 whether receives help to wash/dress: no help received  
 HEHPWPP whether receives help to wash/dress from privately paid  
 HEHPWST whether receives help to wash/dress from member of staff  
 HEMOB96 mobility: whether said had none of listed difficulties  
 HEMOBCH mobility: difficulty getting up from chair after sitting  
 HEMOBCL mobility: difficulty climbing one flight stairs without  
 HEMOBCS mobility: difficulty climbing several flights stairs wit  
 HEMOBLI mobility: difficulty lifting or carrying weights over 10  
 HEMOBPI mobility: difficulty picking up 5p coin from table  
 HEMOBPU mobility: difficulty pulling or pushing large objects  
 HEMOBRE mobility: difficulty reaching or extending arms above sh  
 HEMOBSI mobility: difficulty sitting 2 hours  
 HEMOBST mobility: difficulty stooping, kneeling or crouching  
 HEMOBWA mobility: difficulty walking 100 yards

## Wave 5 Core:

HEADL96 ADL&IADL: whether said had none of listed difficulties  
 HEHPA Functioning: whether ever has help with mobility, ADL, I  
 HEHPB96 Whether receives help with other difficulty: no help rec  
 HEHPBPP Whether receives help with other difficulty from privat  
 HEHPBST Whether receives help with other difficulty from member  
 HEHPD96 Whether receives help preparing a meal or eating: no hel  
 HEHPDPP Whether receives help preparing a meal or eating from pr  
 HEHPDST Whether receives help preparing a meal or eating from ca  
 HEHPH96 Whether receives help with other difficulty: no help rec  
 HEHPHPP Whether receives help with moving round house from priv  
 HEHPHST Whether receives help with moving round house from membe  
 HEHPM96 Whether receives help taking medication: no help receive  
 HEHPMSI Whether receives help taking medication from privately p  
 HEHPMST Whether receives help taking medication from care staff/  
 HEHPP96 Whether receives help to shop/do work round house: no he  
 HEHPPPP Whether receives help to shop/do work round housefrom pr  
 HEHPPST Whether receives help to shop/do work round housefrom ca

HEHPT96	Whether receives help using phone/managing money: no hel
HEHPTPP	Whether receives help using phone/managing money from pr
HEHPTST	Whether receives help using phone/managing money from ca
HEHPW96	Whether receives help to wash/dress: no help received
HEHPWPP	Whether receives help to wash/dress from privately paid
HEHPWST	Whether receives help to wash/dress from care staff/nurs
HEMOB96	Mobility: whether said had none of listed difficulties
Wave 6 Core:	
ASKINST	whether respondent had an institutional interview
CAHFONO1	formal help received - with moving (catka, b, c, e, h, i
CAHFONO2	formal help received - with washing/dressing (catkad, f)
CAHFONO3	formal help received - with eating (catkag): none of the
CAHFONO4	formal help received - with shopping & work around the h
CAHFONO5	formal help received - with taking medication (catkak):
CAHFONO6	formal help received - with managing money (catkam): non
CAHNCL	computed from cahfo:received help with at least one task
CAHNHC	computed from cahfo:received help with at least one task
CAHNNH	computed from cahfo:received help with at least one task
CAHRF26	formal help - hours of help received in last week: home
CAHRF27	formal help - hours of help received in last week: home
CAHRF28	formal help - hours of help received in last week: home
CAHRF32	formal help - hours of help received in last week: clean
CAHRF34	formal help - hours of help received in last week: membe
CATKA	received help in last month: walking 100 yards
CATKB	received help in last month: climbing several flights of
CATKC	received help in last month: climbing one flight of stai
CATKD	received help in last month: dressing, including putting
CATKE	received help in last month: walking across a room
CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including
CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties
Wave 7 Core:	
ASKINST	whether respondent had an institutional interview
CAHFONO1	formal help received - with moving (catka, b, c, e, h, i
CAHFONO2	formal help received - with washing/dressing (catkad, f)
CAHFONO3	formal help received - with eating (catkag): none of the
CAHFONO4	formal help received - with shopping & work around the h
CAHFONO5	formal help received - with taking medication (catkak):
CAHFONO6	formal help received - with managing money (catkam): non
CAHNCL	computed from cahfo:received help with at least one task
CAHNHC	computed from cahfo:received help with at least one task
CAHNNH	computed from cahfo:received help with at least one task
CAHRF26	formal help - hours of help received in last week: home
CAHRF27	formal help - hours of help received in last week: home
CAHRF28	formal help - hours of help received in last week: home
CAHRF32	formal help - hours of help received in last week: clean
CAHRF34	formal help - hours of help received in last week: membe
CATKA	received help in last month: walking 100 yards
CATKB	received help in last month: climbing several flights of
CATKC	received help in last month: climbing one flight of stai
CATKD	received help in last month: dressing, including putting
CATKE	received help in last month: walking across a room
CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including

CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties
Wave 8 Core:	
ASKINST	computed: whether respondent had an institutional interv
CAHFONO1	formal help received: with moving (catka, b, c, e, h, i)
CAHFONO2	formal help received: with washing/dressing (catkad, f):
CAHFONO3	formal help received: with eating (catkag): none of thes
CAHFONO4	formal help received: with shopping & work around the ho
CAHFONO5	formal help received: with taking medication (catkak): n
CAHFONO6	formal help received: with managing money (catkam): none
CAHNCL	computed from cahfo: received help with at least one tas
CAHNHC	computed from cahfo: received help with at least one tas
CAHNNH	computed from cahfo: received help with at least one tas
CAHRF26	formal help: hours of help received in last week: home c
CAHRF27	formal help: hours of help received in last week: home c
CAHRF28	formal help: hours of help received in last week: home c
CAHRF29	formal help: hours of help received in last week: a memb
CAHRF30	formal help: hours of help received in last week: volunt
CAHRF31	formal help: hours of help received in last week: warden
CAHRF32	formal help: hours of help received in last week: cleane
CAHRF33	formal help: hours of help received in last week: counci
CAHRF34	formal help: hours of help received in last week: member
CATKA	whether received help last month: walking 100 yards
CATKB	whether received help last month: climbing several fligh
CATKC	whether received help last month: climbing one flight of
CATKD	whether received help last month: dressing, including pu
CATKE	whether received help last month: walking across a room
CATKF	whether received help last month: bathing or showering
CATKG	whether received help last month: eating, such as cuttin
CATKH	whether received help last month: getting in and out of
CATKI	whether received help last month: using the toilet, incl
CATKJ	whether received help last month: shopping for groceries
CATKK	whether received help last month: taking medications
CATKL	whether received help last month: doing work around the
CATKM	whether received help last month: managing money, such a
HEADL96	adl&iadl: difficulty with none of these
HEMOB96	mobility: difficulty with none of these
Wave 9 Core:	
ASKINST	Computed: whether respondent had an institutional interv
CAHFONO1	Formal help received: with moving (catka, b, c, e, h, i)
CAHFONO2	Formal help received: with washing/dressing (catkad, f):
CAHFONO3	Formal help received: with eating (catkag): None of thes
CAHFONO4	Formal help received: with shopping & work around the ho
CAHFONO5	Formal help received: with taking medication (catkak): N
CAHFONO6	Formal help received: with managing money (catkam): None
CAHNCL	Computed from cahfo: received help with at least one tas
CAHNHC	Computed from cahfo: received help with at least one tas
CAHNNH	Computed from cahfo: received help with at least one tas
CAHRF26	Formal help: hours of help received in last week: Home c
CAHRF27	Formal help: hours of help received in last week: Home c
CAHRF28	Formal help: hours of help received in last week: Home c
CAHRF29	Formal help: hours of help received in last week: A memb
CAHRF30	Formal help: hours of help received in last week: Volunt
CAHRF31	Formal help: hours of help received in last week: Warden
CAHRF32	Formal help: hours of help received in last week: Cleane
CAHRF33	Formal help: hours of help received in last week: Counci
CAHRF34	Formal help: hours of help received in last week: Member
CATKA	Whether received help last month: walking 100 yards
CATKB	Whether received help last month: climbing several fligh

CATKC Whether received help last month: climbing one flight of  
CATKD Whether received help last month: dressing, including pu  
CATKE Whether received help last month: walking across a room  
CATKF Whether received help last month: bathing or showering  
CATKG Whether received help last month: eating, such as cuttin  
CATKH Whether received help last month: getting in and out of  
CATKI Whether received help last month: using the toilet, incl  
CATKJ Whether received help last month: shopping for groceries  
CATKK Whether received help last month: taking medications  
CATKL Whether received help last month: doing work around the  
CATKM Whether received help last month: managing money, such a  
HEADL96 ADL&IADL: difficulty with none of these  
HEMOB96 Mobility: difficulty with none of these



<b>Care for ADLs or IADLs: Receives Formal Caregiving from Unpaid Professionals</b>
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Wave	Variable	Label	Type
1	R1RUF CARE_E	r1rufcare_e:w1 r receives formal care from unpaid profession	Categ
2	R2RUF CARE_E	r2rufcare_e:w2 r receives formal care from unpaid profession	Categ
3	R3RUF CARE_E	r3rufcare_e:w3 r receives formal care from unpaid profession	Categ
4	R4RUF CARE_E	r4rufcare_e:w4 r receives formal care from unpaid profession	Categ
5	R5RUF CARE_E	r5rufcare_e:w5 r receives formal care from unpaid profession	Categ
6	R6RUF CARE_E	r6rufcare_e:w6 r receives formal care from unpaid profession	Categ
7	R7RUF CARE_E	r7rufcare_e:w7 r receives formal care from unpaid profession	Categ
8	R8RUF CARE_E	r8rufcare_e:w8 r receives formal care from unpaid profession	Categ
9	R9RUF CARE_E	r9rufcare_e:w9 r receives formal care from unpaid profession	Categ
1	S1RUF CARE_E	s1rufcare_e:w1 s receives formal care from unpaid profession	Categ
2	S2RUF CARE_E	s2rufcare_e:w2 s receives formal care from unpaid profession	Categ
3	S3RUF CARE_E	s3rufcare_e:w3 s receives formal care from unpaid profession	Categ
4	S4RUF CARE_E	s4rufcare_e:w4 s receives formal care from unpaid profession	Categ
5	S5RUF CARE_E	s5rufcare_e:w5 s receives formal care from unpaid profession	Categ
6	S6RUF CARE_E	s6rufcare_e:w6 s receives formal care from unpaid profession	Categ
7	S7RUF CARE_E	s7rufcare_e:w7 s receives formal care from unpaid profession	Categ
8	S8RUF CARE_E	s8rufcare_e:w8 s receives formal care from unpaid profession	Categ
9	S9RUF CARE_E	s9rufcare_e:w9 s receives formal care from unpaid profession	Categ
1	R1RUF CAREN_E	r1rufcaren_e:w1 # unpaid professionals who help r with adls/	Cont
2	R2RUF CAREN_E	r2rufcaren_e:w2 # unpaid professionals who help r with adls/	Cont
6	R6RUF CAREN_E	r6rufcaren_e:w6 # unpaid professionals who help r with adls/	Cont
7	R7RUF CAREN_E	r7rufcaren_e:w7 # unpaid professionals who help r with adls/	Cont
8	R8RUF CAREN_E	r8rufcaren_e:w8 # unpaid professionals who help r with adls/	Cont
9	R9RUF CAREN_E	r9rufcaren_e:w9 # unpaid professionals who help r with adls/	Cont
1	S1RUF CAREN_E	s1rufcaren_e:w1 # unpaid professionals who help s with adls/	Cont
2	S2RUF CAREN_E	s2rufcaren_e:w2 # unpaid professionals who help s with adls/	Cont
6	S6RUF CAREN_E	s6rufcaren_e:w6 # unpaid professionals who help s with adls/	Cont
7	S7RUF CAREN_E	s7rufcaren_e:w7 # unpaid professionals who help s with adls/	Cont
8	S8RUF CAREN_E	s8rufcaren_e:w8 # unpaid professionals who help s with adls/	Cont
9	S9RUF CAREN_E	s9rufcaren_e:w9 # unpaid professionals who help s with adls/	Cont
4	R4RUF CARED_E	r4rufcared_e:w4 frequency r received care from unpaid profes	Categ
4	S4RUF CARED_E	s4rufcared_e:w4 frequency s received care from unpaid profes	Categ
6	R6RUF CAREHPW_E	r6rufcarehpw_e:w6 hours/week unpaid professionals help r wit	Cont
7	R7RUF CAREHPW_E	r7rufcarehpw_e:w7 hours/week unpaid professionals help r wit	Cont
8	R8RUF CAREHPW_E	r8rufcarehpw_e:w8 hours/week unpaid professionals help r wit	Cont
9	R9RUF CAREHPW_E	r9rufcarehpw_e:w9 hours/week unpaid professionals help r wit	Cont
6	S6RUF CAREHPW_E	s6rufcarehpw_e:w6 hours/week unpaid professionals help s wit	Cont
7	S7RUF CAREHPW_E	s7rufcarehpw_e:w7 hours/week unpaid professionals help s wit	Cont
8	S8RUF CAREHPW_E	s8rufcarehpw_e:w8 hours/week unpaid professionals help s wit	Cont
9	S9RUF CAREHPW_E	s9rufcarehpw_e:w9 hours/week unpaid professionals help s wit	Cont
6	R6RUF CAREHPWM_E	r6rufcarehpcm_e:w6 r unpaid professionals missing hours/week	Cont
7	R7RUF CAREHPWM_E	r7rufcarehpcm_e:w7 r unpaid professionals missing hours/week	Cont
8	R8RUF CAREHPWM_E	r8rufcarehpcm_e:w8 r unpaid professionals missing hours/week	Cont
9	R9RUF CAREHPWM_E	r9rufcarehpcm_e:w9 r unpaid professionals missing hours/week	Cont
6	S6RUF CAREHPWM_E	s6rufcarehpcm_e:w6 s unpaid professionals missing hours/week	Cont
7	S7RUF CAREHPWM_E	s7rufcarehpcm_e:w7 s unpaid professionals missing hours/week	Cont
8	S8RUF CAREHPWM_E	s8rufcarehpcm_e:w8 s unpaid professionals missing hours/week	Cont
9	S9RUF CAREHPWM_E	s9rufcarehpcm_e:w9 s unpaid professionals missing hours/week	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RUF CARE_E	2765	0.08	0.27	0.00	1.00
R2RUF CARE_E	2650	0.06	0.24	0.00	1.00
R3RUF CARE_E	1866	0.08	0.27	0.00	1.00
R4RUF CARE_E	2308	0.08	0.27	0.00	1.00
R5RUF CARE_E	2458	0.07	0.25	0.00	1.00
R6RUF CARE_E	2120	0.14	0.35	0.00	1.00
R7RUF CARE_E	1869	0.13	0.33	0.00	1.00
R8RUF CARE_E	1699	0.14	0.35	0.00	1.00
R9RUF CARE_E	1625	0.14	0.34	0.00	1.00
S1RUF CARE_E	1653	0.02	0.16	0.00	1.00
S2RUF CARE_E	1615	0.03	0.16	0.00	1.00
S3RUF CARE_E	1031	0.02	0.14	0.00	1.00
S4RUF CARE_E	1327	0.04	0.19	0.00	1.00
S5RUF CARE_E	1468	0.02	0.15	0.00	1.00
S6RUF CARE_E	1139	0.09	0.29	0.00	1.00
S7RUF CARE_E	998	0.09	0.28	0.00	1.00
S8RUF CARE_E	935	0.11	0.31	0.00	1.00
S9RUF CARE_E	870	0.09	0.28	0.00	1.00
R1RUF CAREN_E	2765	0.08	0.29	0.00	2.00
R2RUF CAREN_E	2650	0.07	0.26	0.00	2.00
R6RUF CAREN_E	2120	0.14	0.36	0.00	2.00
R7RUF CAREN_E	1869	0.13	0.34	0.00	2.00
R8RUF CAREN_E	1699	0.15	0.37	0.00	3.00
R9RUF CAREN_E	1625	0.14	0.36	0.00	2.00
S1RUF CAREN_E	1653	0.03	0.17	0.00	2.00
S2RUF CAREN_E	1615	0.03	0.16	0.00	1.00
S6RUF CAREN_E	1139	0.09	0.30	0.00	2.00
S7RUF CAREN_E	998	0.09	0.29	0.00	2.00
S8RUF CAREN_E	935	0.11	0.33	0.00	2.00
S9RUF CAREN_E	870	0.09	0.29	0.00	2.00
R4RUF CARED_E	2293	0.25	0.94	0.00	4.00
S4RUF CARED_E	1322	0.13	0.68	0.00	4.00
R6RUF CAREHPW_E	2109	0.61	6.44	0.00	168.00
R7RUF CAREHPW_E	1863	0.42	5.85	0.00	168.00
R8RUF CAREHPW_E	1695	0.38	4.39	0.00	168.00
R9RUF CAREHPW_E	1621	0.72	7.95	0.00	168.00
S6RUF CAREHPW_E	1135	0.42	5.76	0.00	160.00
S7RUF CAREHPW_E	996	0.11	0.57	0.00	6.00
S8RUF CAREHPW_E	934	0.41	5.65	0.00	168.00
S9RUF CAREHPW_E	869	0.77	8.90	0.00	168.00
R6RUF CAREHPWM_E	293	0.04	0.19	0.00	1.00
R7RUF CAREHPWM_E	239	0.03	0.16	0.00	1.00
R8RUF CAREHPWM_E	244	0.02	0.13	0.00	1.00
R9RUF CAREHPWM_E	222	0.02	0.13	0.00	1.00
S6RUF CAREHPWM_E	106	0.04	0.19	0.00	1.00
S7RUF CAREHPWM_E	86	0.02	0.15	0.00	1.00
S8RUF CAREHPWM_E	104	0.01	0.10	0.00	1.00
S9RUF CAREHPWM_E	75	0.01	0.12	0.00	1.00

## Categorical Variable Codes

Value-----	R1RUF CARE_E	R2RUF CARE_E	R3RUF CARE_E	R4RUF CARE_E	R5RUF CARE_E
.d:DK	13	3		2	3
.h:no help received	4131	3004	3197	3646	3389
.m:Missing			4	10	
.p:proxy	175		147		
.r:Refuse	4	1		7	6
.s:skipped			297	247	
.x:no difficulty	5011	3774	4255	4830	4418
0.no	2549	2481	1715	2123	2289
1.yes	216	169	151	185	169

Value-----	R6RUF CARE_E	R7RUF CARE_E	R8RUF CARE_E	R9RUF CARE_E
.d:DK	2	2		2
.h:no help received	3543	3204	2967	2917
.n:institutional ivw	74	62	57	54
.r:Refuse	2		1	1
.x:no difficulty	4860	4529	3721	4137
0.no	1827	1630	1455	1403
1.yes	293	239	244	222

Value-----	S1RUF CARE_E	S2RUF CARE_E	S3RUF CARE_E	S4RUF CARE_E	S5RUF CARE_E
.d:DK	9	2		2	3
.h:no help received	2589	1811	1935	2235	2121
.m:Missing			2	9	
.p:proxy	122		74		
.r:Refuse	3	1		6	4
.s:skipped			216	203	
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:no difficulty	3694	2749	3126	3620	3368
0.no	1612	1573	1011	1275	1435
1.yes	41	42	20	52	33

Value-----	S6RUF CARE_E	S7RUF CARE_E	S8RUF CARE_E	S9RUF CARE_E
.d:DK	1	2		1
.h:no help received	2441	2172	1986	1938
.r:Refuse	2		1	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.x:no difficulty	3659	3388	2766	3011
0.no	1033	912	831	795
1.yes	106	86	104	75

Value-----	R4RUF CARE_D_E
.d:DK	2
.h:no help received	3646
.m:Missing	10
.o:care from other unpaid p	15
.r:Refuse	7
.s:skipped	247
.x:no difficulty	4830
0.not at all	2128
1.less than once a week	7
2.once a week	19
3.2-3 times a week	22
4.every day or nearly every	117

Value-----	S4RUF CARE_D_E
.d:DK	2
.h:no help received	2235
.m:Missing	9
.o:care from other unpaid p	5
.r:Refuse	6
.s:skipped	203
.u:Unmar	2932
.v:SP NR	716
.x:no difficulty	3620

0.not at all	1277
2.once a week	4
3.2-3 times a week	6
4.every day or nearly every	35

## How Constructed

The following variables indicate whether unpaid professionals help the respondent with any ADL, IADL, or mobility needs. In Waves 1 through 5, if the respondent reports difficulty with at least one activity, then the respondent is asked a single question ascertaining whether they receive help with the ADL (dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet), IADL (preparing meal, shopping for groceries, making telephone calls, taking medication, doing work around the house, managing money), or mobility activities (walking 100 yards, sitting for 2 hours, getting up from chair, climbing several flights of stairs, climbing one flight of stairs, stooping, reaching arms, pulling large objects, lifting weights over 10 pounds, picking up a coin) they have difficulty with. In Waves 4 and 5, the respondent also reports difficulty with additional IADL activities: communicating and recognizing when they are in danger.

In Waves 1 and 2, if the respondent receives help then they are asked for the relationships of all the people who help them with those activities. In Waves 3 through 5, the respondent is asked for the relationships of all the people who help them if they report difficulty with an activity for each of the following groupings: 1.climbing stairs, walking across a room, getting in or out of bed, using the toilet, 2.bathing, getting dressed, 3.eating, preparing hot meals, 4.shopping for groceries, doing work around the house or garden, 5.making phone calls, managing money, 6.taking medication. In Waves 4 and 5, a seventh grouping is added that includes help with the following activities: walking 100 yards, sitting for 2 hours, getting out of a chair, stooping, reaching arms, pulling large objects, lifting 10 pounds, picking up a coin, reading a map, communicating, and recognizing when they are in danger.

Starting in Wave 6, if the respondent reports difficulty with at least one activity (same activities included in Waves 4 and 5), then the respondent is asked whether they receive help with each of the following activities: walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet, shopping for groceries, taking medication, doing work around the house or garden, and managing money. If the help they receive is at least partially due to a physical, mental, emotional or memory problem, then the respondent is asked for the relationships of all the people who help them if they report receiving help with an activity for each of the following groupings: 1.walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using a toilet, 2.bathing, getting dressed, 3.eating, 4.shopping for groceries, doing work around the house or garden, 5.taking medication, 6.managing money.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL, IADL, or mobility activity, and are coded as special missing .h if the respondent reports difficulty with an ADL, IADL, or mobility activity but does not receive any help. In Waves 1 and 3, they are coded as special missing .p if these questions were skipped because the interview was by proxy. In Wave 3, they are coded as special missing .s if the respondent had difficulty with only activities for which they were not asked whether they received help. Starting in Wave 6, they are coded as special missing .n if these questions were skipped because the respondent was in an institution at the time of the interview. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwRUF CARE\_E, RwRUF CAREN\_E, RwRUF CARED\_E, RwRUF CAREHPW\_E, and RwRUF CAREHPWM\_E include help from unpaid professionals. In Waves 1 and 2 this includes help from an unpaid volunteer, or social or health service worker. In Wave 3 this includes help from home help or care arranged by social services, nurse (e.g. district nurse or health visitor), someone else from the health or social services, or someone from a voluntary organization. In Waves 4 and 5 this includes help from local authority/social services helper (e.g. home care worker), or nurse (e.g. health visitor or district nurse). Starting in Wave 6 this includes help from a member of the reablement/intermediate care staff team, voluntary helper, warden/sheltered housing manager, council's handyman, or other formal carer.

RwRUF CARE\_E indicates whether unpaid professionals help the respondent with any ADL, IADL, or mobility needs. RwRUF CARE\_E is coded as 0 if the respondent receives no assistance from unpaid professionals, and coded as 1 if the respondent does receive help from unpaid professionals. RwRUF CAREN\_E is the count of the number of unpaid professionals who help the respondent with any ADL, IADL, or mobility needs. In Waves 1 and 2, RwRUF CAREN\_E is calculated using the relationships of all the helpers reported. Starting

in Wave 6, RWRUFCAREN\_E is calculated using the hours of help reported for a member of the reablement/intermediate care staff team, voluntary helper, warden/sheltered housing manager, council's handyman, and other formal helper. RWRUFCAREN\_E is not available in Waves 3 through 5.

RWRUFCARED\_E indicates how frequently unpaid professionals help the respondent with any ADL, IADL, or mobility needs. In Wave 4, if the respondent reports receiving help from a local authority helper, they are asked how often they had this help in the last month. RWRUFCARED\_E is coded as follows: 0.not at all, 1.less than once a week, 2.once a week, 3.2-3 times a week, 4.every day or nearly every day. RWRUFCARED\_E is assigned a value of 0 if the respondent did not receive care from any unpaid professional. RWRUFCARED\_E is assigned special missing .0 if the respondent received care from a nurse and not from a local authority helper, in which case this question was not asked. In Wave 5, the respondent is asked about the frequency of help in the last month. However, this information was not included in the dataset, and therefore, this variable was not able to be created for Wave 5.

RWRUFCAREHPW\_E indicates the number of hours per week unpaid professionals help the respondent with any ADL, IADL, or mobility needs. Respondents are asked how many hours they were helped by unpaid professionals last week. RWRUFCAREHPW\_E is the sum of all the hours per week for all unpaid professional helpers, so the value can be over 168. RWRUFCAREHPW\_E is calculated as long as there is at least one non-missing value. RWRUFCAREHPWM\_E indicates the number of unpaid professionals who helped the respondent for whom no value of hours was reported and was not accounted for in RWRUFCAREHPW\_E. RWRUFCAREHPWM\_E is assigned special missing .m if the respondent was not helped by any unpaid professionals. Don't know, refused, or other missing responses to RWRUFCAREHPW\_E are assigned special missing .d, .r, and .m, respectively. RWRUFCAREHPW\_E and RWRUFCAREHPWM\_E are available starting in Wave 6.

SWRUFCARE\_E, SWRUFCAREN\_E, SWRUFCARED\_E, and SWRUFCAREHPW\_E indicate whether, the number, and the frequency with which the respondent's current wave's spouse receives help from unpaid professionals, and their values are taken from RWRUFCARE\_E, RWRUFCAREN\_E, RWRUFCARED\_E, and RWRUFCAREHPW\_E. SWRUFCAREHPWM\_E is the count of unpaid professionals who are missing values for hours helped, and its values are taken from RWRUFCAREHPWM\_E. In addition to the special missing codes employed by the respondent variables, the spouse variables employ two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

There is a great deal of variation in the questions ascertaining whether the respondent has difficulty, receives help, and who helps across waves. In all waves, the respondent is asked whether they have difficulty with the following activities: dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet, preparing meal, shopping for groceries, making telephone calls, taking medication, doing work around the house, managing money, walking 100 yards, sitting for 2 hours, getting up from chair, climbing several flights of stairs, climbing one flight of stairs, stooping, reaching arms, pulling large objects, lifting weights over 10 pounds, and picking up a coin. Starting in Wave 4, the respondent also reports difficulty with communicating and recognizing when they are in danger.

In Waves 1 through 5, the respondent is asked whether they receive help if they report difficulty with any activity. Starting in Wave 6, the respondent is asked whether they receive help with a specific list of activities if they report difficulty with any activity. This is followed by a question asking whether any of this help is the result of a physical, mental, emotional, or memory problem, and if not, all other questions are skipped.

In Waves 1 and 2, the respondent is asked for the relationships of all the people who help them with any activity in a single question. Starting in Wave 3, the respondent is asked for the relationships of all the people who help them with particular activities according to groupings that vary by wave. In Waves 3 through 5, the groupings are as follows: 1.climbing stairs, walking across a room, getting in or out of bed, using the toilet, 2.bathing, getting dressed, 3.eating, preparing hot meals, 4.shopping for groceries, doing work around the house or garden, 5.making phone calls, managing money, 6.taking medication. In Waves 4 and 5, a seventh grouping is added that includes help with the following activities: walking 100 yards, sitting for 2 hours, getting out of a chair, stooping, reaching arms, pulling large objects, lifting 10 pounds, picking up a coin, reading a map, communicating, and recognizing when they are in danger. Starting in Wave 6, the groupings are as follows: 1.walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using a toilet, 2.bathing, getting dressed, 3.eating, 4.shopping for groceries, doing work around the house or garden, 5.taking medication, 6.managing money. Also starting in Wave 6, the

types of helpers are divided into two questions representing informal helpers (family and friends) and formal helpers (professionals).

In Waves 1 and 2 these variables include help from an unpaid volunteer, or social or health service worker. In Wave 3 these variables include help from home help or care arranged by social services, nurse (e.g. district nurse or health visitor), someone else from the health or social services, or someone from a voluntary organization. In Waves 4 and 5 these variables include help from local authority/social services helper (e.g. home care worker), or nurse (e.g. health visitor or district nurse). Starting in Wave 6 these variables include help from a member of the reablement/intermediate care staff team, voluntary helper, warden/sheltered housing manager, council's handyman, or other formal career.

Proxy respondents are not asked these questions in Waves 1 and 3.

Due to the way the questions are asked and the data is stored, we are able to calculate the number of unpaid professional helpers in Waves 1 and 2 and starting again in Wave 6, but are not able to do so in Waves 3 through 5.

Respondents are asked how frequently they received care from local authority helpers only in Waves 4 and 5. In Wave 5, this information is collected but not included in the dataset. Therefore, frequency of care received from a local authority helper is only available for Wave 4.

Institutionalized respondents are not asked these questions starting in Wave 6.

Respondents are not asked how many hours per week they receive help until Wave 6.

## Differences with the RAND HRS/Harmonized HRS

RwRUF CARE and RwRUF CAREN in the Harmonized HRS indicate whether and the number of unpaid professionals who help the respondent with ADL or IADL activities. RwRUF CARE\_E and RwRUF CAREN\_E in the Harmonized ELSA indicate whether and the number of unpaid professionals who help the respondent with ADL, IADL, or mobility activities. Because the ELSA does not ask about care received with the same IADL activities and asks additionally about mobility activities, the "\_E" is included in the Harmonized ELSA variable name to indicate that the two concepts are similar but not directly comparable. The number of unpaid professional helpers can be created for all waves of the Harmonized HRS, but not for all waves of the Harmonized ELSA.

The HRS asks whether each helper is paid so RwRUF CARE and RwRUF CAREN in the Harmonized HRS indicate that the respondent receives care from a formal caregiver who is reported to be unpaid, while RwRUF CARE\_E and RwRUF CAREN\_E in the Harmonized ELSA indicate that the respondent receives care from a formal caregiver who is assumed to not be paid privately by the respondent.

The Harmonized HRS includes RwRUF CAREDPW and RwRUF CAREHR indicating the days per week and hours per day the respondent receives help from unpaid professionals, while the Harmonized ELSA includes RwRUF CAREHPW\_E indicating the hours per week the respondent receives help from unpaid professionals.

The HRS asks whether the respondent receives help after each ADL and IADL activity they report having difficulty with, and then asks separately who helps them with ADL activities, IADL activities, and managing money. This is quite different from how the ELSA collects this information, as described above.

## ELSA Variables Used

Wave 1 Core:

ASKPX1	whether interviewed by proxy
HEAD A01	because of a health problem, do you have any difficulties
HEAD B01	because of a health or memory problem, do you have any
HEHPA	thinking about the activities that you have problems with
HEHPB01	who helps you with these activities? 1st
HEHPB02	who helps you with these activities? 2nd
HEHPB03	who helps you with these activities? 3rd
HEHPB04	who helps you with these activities? 4th
HEHPB05	who helps you with these activities? 5th
HEHPB06	who helps you with these activities? 6th
HEHPB07	who helps you with these activities? 7th

HEHPB08 who helps you with these activities? 8th  
 HEHPB09 who helps you with these activities? 9th  
 HEHPB10 who helps you with these activities? 10th  
 HEHPB11 who helps you with these activities? 11th  
 HEHPB12 who helps you with these activities? 12th  
 HEHPB13 who helps you with these activities? 13th  
 HEHPB14 who helps you with these activities? 14th  
 HEHPB15 who helps you with these activities? 15th  
 HEHPB16 who helps you with these activities? 16th

## Wave 2 Core:

HEADA01 ADL: activity has problem with due to health/physical pr  
 HEADB01 IADL: activity has problem with due to health/physical p  
 HEHPA ADL & IADL: whether ever has help with these activities  
 HEHPB01 ADL & IADL: who helps with these activities (1st mention  
 HEHPB02 ADL & IADL: who helps with these activities (2nd mention  
 HEHPB03 ADL & IADL: who helps with these activities (3rd mention  
 HEHPB04 ADL & IADL: who helps with these activities (4th mention  
 HEHPB05 ADL & IADL: who helps with these activities (5th mention  
 HEHPB06 ADL & IADL: who helps with these activities (6th mention  
 HEHPB07 ADL & IADL: who helps with these activities (7th mention  
 HEHPB08 ADL & IADL: who helps with these activities (8th mention  
 HEHPB09 ADL & IADL: who helps with these activities (9th mention

## Wave 3 Core:

ASKPX whether respondent had a proxy interview  
 HEADL96 adl&iadl: whether said had none of listed difficulties  
 HEADLBA adl: difficulty bathing or showering  
 HEADLBE adl: difficulty getting in and out of bed  
 HEADLDR adl: difficulty dressing, including putting on shoes and  
 HEADLEA adl: difficulty eating, such as cutting up food  
 HEADLHO iadl: difficulty doing work around house and garden  
 HEADLMA iadl: difficulty using map to figure out how to get arou  
 HEADLME iadl: difficulty taking medications  
 HEADLMO iadl: difficulty managing money, eg paying bills, keeping  
 HEADLPH iadl: difficulty making telephone calls  
 HEADLPR iadl: difficulty preparing a hot meal  
 HEADLSH iadl: difficulty shopping for groceries  
 HEADLWA adl: difficulty walking across a room  
 HEADLWC adl: difficulty using the toilet, including getting up o  
 HEHPA functioning: whether ever has help with mobility, adl, i  
 HEHPD96 whether receives help preparing a meal or eating: no hel  
 HEHPDNU whether receives help preparing a meal or eating from nu  
 HEHPDOS whether receives help preparing a meal or eating from ot  
 HEHPDSS whether receives help preparing a meal or eating from so  
 HEHPDVO whether receives help preparing a meal or eating from vo  
 HEHPH96 whether receives help moving around house: no help recei  
 HEHPHNU whether receives help moving around house from nurse  
 HEHPHOS whether receives help moving around house from other hea  
 HEHPHSS whether receives help moving around house from social se  
 HEHPHVO whether receives help moving around house from voluntary  
 HEHPM96 whether receives help taking medication: no help receive  
 HEHPMNU whether receives help taking medication from nurse  
 HEHPMOS whether receives help taking medication from other healt  
 HEHPMSS whether receives help taking medication from social serv  
 HEHPMVO whether receives help taking medication from voluntary o  
 HEHPP96 whether receives help to shop/do work round house: no he  
 HEHPPNU whether receives help to shop/do work round house from n  
 HEHPPOS whether receives help to shop/do work round house from o  
 HEHPPSS whether receives help to shop/do work round house from s  
 HEHPPVO whether receives help to shop/do work round house from v  
 HEHPT96 whether receives help using phone/managing money: no hel  
 HEHPTNU whether receives help using phone/managing money from nu  
 HEHPTOS whether receives help using phone/managing money from ot  
 HEHPTSS whether receives help using phone/managing money from so

HEHPTVO whether receives help using phone/managing money from vo  
 HEHPW96 whether receives help to wash/dress: no help received  
 HEHPWNU whether receives help to wash/dress from nurse  
 HEHPWOS whether receives help to wash/dress from other health or  
 HEHPWSS whether receives help to wash/dress from social services  
 HEHPWVO whether receives help to wash/dress from voluntary organ  
 HEMOB96 mobility: whether said had none of listed difficulties  
 HEMOBCH mobility: difficulty getting up from chair after sitting  
 HEMOBCL mobility: difficulty climbing one flight stairs without  
 HEMOBCS mobility: difficulty climbing several flights stairs wit  
 HEMOBLI mobility: difficulty lifting or carrying weights over 10  
 HEMOBPI mobility: difficulty picking up 5p coin from table  
 HEMOBPU mobility: difficulty pulling or pushing large objects  
 HEMOBRE mobility: difficulty reaching or ectending arms above sh  
 HEMOBSI mobility: difficulty sitting 2 hours  
 HEMOBST mobility: difficulty stooping, kneeling or crouching  
 HEMOBWA mobility: difficulty walking 100 yards

## Wave 4 Core:

HEADL96 adl&iadl: whether said had none of listed difficulties  
 HEADLBA adl: difficulty bathing or showering  
 HEADLBE adl: difficulty getting in and out of bed  
 HEADLDR adl: difficulty dressing, including putting on shoes and  
 HEADLEA adl: difficulty eating, such as cutting up food  
 HEADLHO iadl: doing work around the house or garden  
 HEADLMA iadl: difficulty using map to figure out how to get arou  
 HEADLME iadl: taking medications  
 HEADLMO iadl: managing money, such as bills and expenses  
 HEADLPR iadl: preparing a hot meal  
 HEADLSH iadl: shopping for groceries  
 HEADLTE iadl: making telephone calls  
 HEADLWA adl: difficulty walking across a room  
 HEADLWC adl: difficulty using the toilet, including getting up o  
 HEHPA functioning: whether ever has help with mobility, adl, i  
 HEHPB96 whether receives help with other difficulty: no help rec  
 HEHPD96 whether receives help preparing a meal or eating: no hel  
 HEHPDLA whether receives help preparing a meal or eating from lo  
 HEHPDNU whether receives help preparing a meal or eating from he  
 HEHPH96 whether receives help moving around house: no help recei  
 HEHPHLA whether receives help moving around house from local aut  
 HEHPHNU whether receives help moving around house from health vi  
 HEHPM96 whether receives help taking medication: no help receive  
 HEHPMLA whether receives help taking medication from local autho  
 HEHPMNU whether receives help taking medication from health visi  
 HEHPP96 whether receives help to shop/do work round house: no he  
 HEHPPLA whether receives help to shop/do work round house from l  
 HEHPPNU whether receives help to shop/do work round house from h  
 HEHPT96 whether receives help using phone/managing money: no hel  
 HEHPTLA whether receives help using phone/managing money from lo  
 HEHPTNU whether receives help using phone/managing money from he  
 HEHPW96 whether receives help to wash/dress: no help received  
 HEHPWLA whether receives help to wash/dress from local authorty/  
 HEHPWNU whether receives help to wash/dress from health visitor  
 HEMOB96 mobility: whether said had none of listed difficulties  
 HEMOBCH mobility: difficulty getting up from chair after sitting  
 HEMOBCL mobility: difficulty climbing one flight stairs without  
 HEMOBCS mobility: difficulty climbing several flights stairs wit  
 HEMOBLI mobility: difficulty lifting or carrying weights over 10  
 HEMOBPI mobility: difficulty picking up 5p coin from table  
 HEMOBPU mobility: difficulty pulling or pushing large objects  
 HEMOBRE mobility: difficulty reaching or extending arms above sh  
 HEMOBSI mobility: difficulty sitting 2 hours  
 HEMOBST mobility: difficulty stooping, kneeling or crouching  
 HEMOBWA mobility: difficulty walking 100 yards



## Wave 5 Core:

HEADL96 ADL&IADL: whether said had none of listed difficulties  
 HEHPA Functioning: whether ever has help with mobility, ADL, I  
 HEHPB96 Whether receives help with other difficulty: no help rec  
 HEHPBLA Whether receives help for other difficulty from local a  
 HEHPBNU Whether receives help with other difficulty from nurse  
 HEHPD96 Whether receives help preparing a meal or eating: no hel  
 HEHPDLA Whether receives help preparing meal/eating from local a  
 HEHPDNU Whether receives help preparing a meal or eating from nu  
 HEHPH96 Whether receives help with other difficulty: no help rec  
 HEHPHLA Whether receives help moving round house from local aut  
 HEHPHNU Whether receives help with moving round house from nurse  
 HEHPM96 Whether receives help taking medication: no help receive  
 HEHPMLA Whether receives help taking medication from local autho  
 HEHPMNU Whether receives help taking medication from nurse  
 HEHPP96 Whether receives help to shop/do work round house: no he  
 HEHPPLA Whether receives help shopping/working round house from  
 HEHPPNU Whether receives help to shop/do work round house from n  
 HEHPT96 Whether receives help using phone/managing money: no hel  
 HEHPTLA Whether receives help using phone/managing money from la  
 HEHPTNU Whether receives help using phone/managing money from nu  
 HEHPW96 Whether receives help to wash/dress: no help received  
 HEHPWLA Whether receives help to wash/dress from local authority  
 HEHPWNU Whether receives help to wash/dress from nurse  
 HEMOB96 Mobility: whether said had none of listed difficulties

## Wave 6 Core:

ASKINST whether respondent had an institutional interview  
 CAHFONO1 formal help received - with moving (catka, b, c, e, h, i  
 CAHFONO2 formal help received - with washing/dressing (catkad, f)  
 CAHFONO3 formal help received - with eating (catkag): none of the  
 CAHFONO4 formal help received - with shopping & work around the h  
 CAHFONO5 formal help received - with taking medication (catkak):  
 CAHFONO6 formal help received - with managing money (catkam): non  
 CAHNHM computed from cahfo:received help with at least one task  
 CAHNOT computed from cahfo:received help with at least one task  
 CAHNRE computed from cahfo:received help with at least one task  
 CAHNVO computed from cahfo:received help with at least one task  
 CAHNWA computed from cahfo:received help with at least one task  
 CAHRF29 formal help - hours of help received in last week: a mem  
 CAHRF30 formal help - hours of help received in last week: volun  
 CAHRF31 formal help - hours of help received in last week: warde  
 CAHRF33 formal help - hours of help received in last week: coun  
 CAHRF35 formal help - hours of help received in last week: other  
 CATKA received help in last month: walking 100 yards  
 CATKB received help in last month: climbing several flights of  
 CATKC received help in last month: climbing one flight of stai  
 CATKD received help in last month: dressing, including putting  
 CATKE received help in last month: walking across a room  
 CATKF received help in last month: bathing or showering  
 CATKG received help in last month: eating, such as cutting up  
 CATKH received help in last month: getting in and out of bed  
 CATKI received help in last month: using the toilet, including  
 CATKJ received help in last month: shopping for groceries  
 CATKK received help in last month: taking medications  
 CATKL received help in last month: doing work around the house  
 CATKM received help in last month: managing money, such as pay  
 HEADL96 adl&iadl: whether said had none of listed difficulties  
 HEMOB96 mobility: whether said had none of listed difficulties

## Wave 7 Core:

ASKINST whether respondent had an institutional interview  
 CAHFONO1 formal help received - with moving (catka, b, c, e, h, i  
 CAHFONO2 formal help received - with washing/dressing (catkad, f)  
 CAHFONO3 formal help received - with eating (catkag): none of the

CAHFONO4	formal help received - with shopping & work around the h
CAHFONO5	formal help received - with taking medication (catkak):
CAHFONO6	formal help received - with managing money (catkam): non
CAHNHM	computed from cahfo:received help with at least one task
CAHNOT	computed from cahfo:received help with at least one task
CAHNRE	computed from cahfo:received help with at least one task
CAHNVO	computed from cahfo:received help with at least one task
CAHNWA	computed from cahfo:received help with at least one task
CAHRF29	formal help - hours of help received in last week: a mem
CAHRF30	formal help - hours of help received in last week: volun
CAHRF31	formal help - hours of help received in last week: warde
CAHRF33	formal help - hours of help received in last week: coun
CAHRF35	formal help - hours of help received in last week: other
CATKA	received help in last month: walking 100 yards
CATKB	received help in last month: climbing several flights of
CATKC	received help in last month: climbing one flight of stai
CATKD	received help in last month: dressing, including putting
CATKE	received help in last month: walking across a room
CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including
CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties
Wave 8 Core:	
ASKINST	computed: whether respondent had an institutional interv
CAHFONO1	formal help received: with moving (catka, b, c, e, h, i)
CAHFONO2	formal help received: with washing/dressing (catkad, f):
CAHFONO3	formal help received: with eating (catkag): none of thes
CAHFONO4	formal help received: with shopping & work around the ho
CAHFONO5	formal help received: with taking medication (catkak): n
CAHFONO6	formal help received: with managing money (catkam): none
CAHNHM	computed from cahfo: received help with at least one tas
CAHNOT	computed from cahfo: received help with at least one tas
CAHNRE	computed from cahfo: received help with at least one tas
CAHNVO	computed from cahfo: received help with at least one tas
CAHNWA	computed from cahfo: received help with at least one tas
CAHRF29	formal help: hours of help received in last week: a memb
CAHRF30	formal help: hours of help received in last week: volunt
CAHRF31	formal help: hours of help received in last week: warden
CAHRF33	formal help: hours of help received in last week: counci
CAHRF35	formal help: hours of help received in last week: other
CATKA	whether received help last month: walking 100 yards
CATKB	whether received help last month: climbing several fligh
CATKC	whether received help last month: climbing one flight of
CATKD	whether received help last month: dressing, including pu
CATKE	whether received help last month: walking across a room
CATKF	whether received help last month: bathing or showering
CATKG	whether received help last month: eating, such as cuttin
CATKH	whether received help last month: getting in and out of
CATKI	whether received help last month: using the toilet, incl
CATKJ	whether received help last month: shopping for groceries
CATKK	whether received help last month: taking medications
CATKL	whether received help last month: doing work around the
CATKM	whether received help last month: managing money, such a
HEADL96	adl&iadl: difficulty with none of these
HEMOB96	mobility: difficulty with none of these
Wave 9 Core:	
ASKINST	Computed: whether respondent had an institutional interv

CAHFONO1 Formal help received: with moving (catka, b, c, e, h, i)  
CAHFONO2 Formal help received: with washing/dressing (catkad, f):  
CAHFONO3 Formal help received: with eating (catkag): None of thes  
CAHFONO4 Formal help received: with shopping & work around the ho  
CAHFONO5 Formal help received: with taking medication (catkak): N  
CAHFONO6 Formal help received: with managing money (catkam): None  
CAHNHM Computed from cahfo: received help with at least one tas  
CAHNOT Computed from cahfo: received help with at least one tas  
CAHNRE Computed from cahfo: received help with at least one tas  
CAHNVO Computed from cahfo: received help with at least one tas  
CAHNWA Computed from cahfo: received help with at least one tas  
CAHRF29 Formal help: hours of help received in last week: A memb  
CAHRF30 Formal help: hours of help received in last week: Volunt  
CAHRF31 Formal help: hours of help received in last week: Warden  
CAHRF33 Formal help: hours of help received in last week: Counci  
CAHRF35 Formal help: hours of help received in last week: Other  
CATKA Whether received help last month: walking 100 yards  
CATKB Whether received help last month: climbing several fligh  
CATKC Whether received help last month: climbing one flight of  
CATKD Whether received help last month: dressing, including pu  
CATKE Whether received help last month: walking across a room  
CATKF Whether received help last month: bathing or showering  
CATKG Whether received help last month: eating, such as cuttin  
CATKH Whether received help last month: getting in and out of  
CATKI Whether received help last month: using the toilet, incl  
CATKJ Whether received help last month: shopping for groceries  
CATKK Whether received help last month: taking medications  
CATKL Whether received help last month: doing work around the  
CATKM Whether received help last month: managing money, such a  
HEADL96 ADL&IADL: difficulty with none of these  
HEMOB96 Mobility: difficulty with none of these

<b>Care for ADLs or IADLS: Paid Help</b>
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Wave	Variable	Label	Type
6	R6HLPPDN_E	r6hlppdn_e:w6 r # paid helpers for adls/iadls/mobility	Cont
7	R7HLPPDN_E	r7hlppdn_e:w7 r # paid helpers for adls/iadls/mobility	Cont
8	R8HLPPDN_E	r8hlppdn_e:w8 r # paid helpers for adls/iadls/mobility	Cont
9	R9HLPPDN_E	r9hlppdn_e:w9 r # paid helpers for adls/iadls/mobility	Cont
6	S6HLPPDN_E	s6hlppdn_e:w6 s # paid helpers for adls/iadls/mobility	Cont
7	S7HLPPDN_E	s7hlppdn_e:w7 s # paid helpers for adls/iadls/mobility	Cont
8	S8HLPPDN_E	s8hlppdn_e:w8 s # paid helpers for adls/iadls/mobility	Cont
9	S9HLPPDN_E	s9hlppdn_e:w9 s # paid helpers for adls/iadls/mobility	Cont
6	R6HLPPDIN_E	r6hlppdin_e:w6 r # helpers govt helps pay for adls/iadls/mob	Cont
7	R7HLPPDIN_E	r7hlppdin_e:w7 r # helpers govt helps pay for adls/iadls/mob	Cont
8	R8HLPPDIN_E	r8hlppdin_e:w8 r # helpers govt helps pay for adls/iadls/mob	Cont
9	R9HLPPDIN_E	r9hlppdin_e:w9 r # helpers govt helps pay for adls/iadls/mob	Cont
6	S6HLPPDIN_E	s6hlppdin_e:w6 s # helpers govt helps pay for adls/iadls/mob	Cont
7	S7HLPPDIN_E	s7hlppdin_e:w7 s # helpers govt helps pay for adls/iadls/mob	Cont
8	S8HLPPDIN_E	s8hlppdin_e:w8 s # helpers govt helps pay for adls/iadls/mob	Cont
9	S9HLPPDIN_E	s9hlppdin_e:w9 s # helpers govt helps pay for adls/iadls/mob	Cont
6	R6HLPPDAMT_E	r6hlppdamt_e:w6 r oop cost for help for adls/iadls/mobility	Cont
7	R7HLPPDAMT_E	r7hlppdamt_e:w7 r oop cost for help for adls/iadls/mobility	Cont
8	R8HLPPDAMT_E	r8hlppdamt_e:w8 r oop cost for help for adls/iadls/mobility	Cont
9	R9HLPPDAMT_E	r9hlppdamt_e:w9 r oop cost for help for adls/iadls/mobility	Cont
6	S6HLPPDAMT_E	s6hlppdamt_e:w6 s oop cost for help for adls/iadls/mobility	Cont
7	S7HLPPDAMT_E	s7hlppdamt_e:w7 s oop cost for help for adls/iadls/mobility	Cont
8	S8HLPPDAMT_E	s8hlppdamt_e:w8 s oop cost for help for adls/iadls/mobility	Cont
9	S9HLPPDAMT_E	s9hlppdamt_e:w9 s oop cost for help for adls/iadls/mobility	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R6HLPPDN_E	795	0.57	0.63	0.00	2.00
R7HLPPDN_E	700	0.55	0.63	0.00	2.00
R8HLPPDN_E	642	0.59	0.61	0.00	2.00
R9HLPPDN_E	627	0.54	0.61	0.00	2.00
S6HLPPDN_E	368	0.30	0.50	0.00	2.00
S7HLPPDN_E	332	0.35	0.55	0.00	2.00
S8HLPPDN_E	317	0.38	0.52	0.00	2.00
S9HLPPDN_E	313	0.35	0.54	0.00	2.00
R6HLPPDIN_E	791	0.03	0.16	0.00	1.00
R7HLPPDIN_E	696	0.03	0.20	0.00	2.00
R8HLPPDIN_E	637	0.03	0.20	0.00	2.00
R9HLPPDIN_E	623	0.03	0.19	0.00	2.00
S6HLPPDIN_E	368	0.01	0.07	0.00	1.00
S7HLPPDIN_E	331	0.03	0.20	0.00	2.00
S8HLPPDIN_E	317	0.01	0.11	0.00	1.00
S9HLPPDIN_E	312	0.01	0.13	0.00	2.00
R6HLPPDAMT_E	733	97.09	283.39	0.00	3860.00
R7HLPPDAMT_E	658	128.64	428.75	0.00	4902.00
R8HLPPDAMT_E	615	133.73	407.41	0.00	4106.50

R9HLPPDAMT_E	594	150.42	538.15	0.00	6450.00
S6HLPPDAMT_E	352	38.49	124.58	0.00	1290.00
S7HLPPDAMT_E	325	85.11	364.81	0.00	3440.00
S8HLPPDAMT_E	311	68.38	216.26	0.00	2150.00
S9HLPPDAMT_E	306	99.53	400.71	0.00	3440.00

## How Constructed

The following variables indicate whether the respondent's top two caregivers are paid to help the respondent with any ADL, IADL, or mobility needs, and how much the respondent and/or their spouse pay out-of-pocket for that care. In Waves 6 and onward, the respondent is asked to report whether they experience difficulty with any ADL (dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet), IADL (preparing meal, shopping for groceries, making telephone calls, taking medication, doing work around the house, managing money, communicating, recognizing when they are in danger), or mobility activities (walking 100 yards, sitting for 2 hours, getting up from chair, climbing several flights of stairs, climbing one flight of stairs, stooping, reaching arms, pulling large objects, lifting weights over 10 pounds, picking up a coin).

Starting in Wave 6, if the respondent reports difficulty with at least one activity, then the respondent is asked whether they receive help with each of the following activities: walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, dressing, walking across a room, bathing, eating, getting in or out of bed, using the toilet, shopping for groceries, taking medication, doing work around the house or garden, and managing money. If the help they receive is at least partially due to a physical, mental, emotional or memory problem, then the respondent is asked for the relationships of all the people who help them if they report receiving help with an activity for each of the following groupings: 1.walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using a toilet, 2.bathing, getting dressed, 3.eating, 4.shopping for groceries, doing work around the house or garden, 5.taking medication, 6.managing money.

For the two caregivers who provide the respondent with the most hours of care, the respondent is asked how often each caregiver helps the respondent. If there are any formal caregivers, the respondent is asked how the help from the formal caregiver was arranged. The respondent is asked whether they and their spouse/partner pay or give any money for the help given by up to two caregivers, and if so, the amount and frequency of the payments under 3 separate conditions: 1.if the respondent had formal caregivers and the local authority arranged the formal caregiving help or told the respondent about the help but did not arrange it, 2.if the respondent had formal caregivers and it was arranged without involvement from the local authority, their family arranged it, or it was arranged another way or if they had informal caregivers provide 20 or more hours of care in the last week, 3.if the conditions for #1 were not met and there are eligible providers not arranged by the local authority or informal providers giving 20 or more hours of care in the last week. If the respondent is asked the amount of the payment, then they are asked whether the money comes from their own personal income, savings, pension or benefit (such as Attendance Allowance), from direct payment/personal or individual budget from the local authority, or from another source. If the payment comes from another source, the respondent is asked if that is from the local authority, a family member (with their own money), another place, or nobody else pays.

The following variables are coded as special missing .x if the respondent reports no difficulty with any ADL, IADL, or mobility activity, and are coded as special missing .h if the respondent reports difficulty with an ADL, IADL, or mobility activity but does not receive any help. They are coded as special missing .b if the respondent receives help but it is not because of a physical, mental, emotional, or memory problem. They are coded as special missing .n if these questions weren't asked because the respondent was in an institution at the time of the interview. These variables are set to plain missing (.) for respondents who did not participate in the current wave.

RwHLPPDN\_E indicates the number of helpers who are paid to help the respondent for ADL, IADL, or mobility needs. For each reported helper, the respondent is asked how many hours they helped the respondent last week. For the 2 helpers who provided the highest amount of hours of help, the respondent is asked whether the respondent or their partner pay or give any money for the help given. They are instructed to include any payments made for this care, even if not made directly to the care provider, and to not include gifts, treats or occasional payments of expenses such as petrol money or lunch. The values for RwHLPPDN\_E can range from 0 to 2.

SwHLPPDN\_E indicates the number of helpers who are paid to help the respondent's current wave's spouse and is taken directly from RwhLPPDN\_E. In addition to the special missing codes employed by RwhLPPDN\_E, SwHLPPDN\_E employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwhLPPDIN\_E indicates the number of paid helpers for ADL, IADL, or mobility needs for whom government funds helps pay for. This question is asked for each of the top 2 helpers the respondent reported was paid to help them. If the respondent reports that the funds paid to the helper come from direct payment/personal or individual budget from the local authority/council/Social services, or if the funds come from another source that includes the local authority/council/social services, then one is added to the count. The values for RwhLPPDIN\_E range from 0 to 2. A zero is assigned if the respondent reports that neither of their top 2 helpers are paid.

SwHLPPDIN\_E indicates the number of paid helpers of the respondent's current wave's spouse for whom government funds helps pay for and is taken directly from RwhLPPDIN\_E. In addition to the special missing codes employed by RwhLPPDIN\_E, SwHLPPDIN\_E employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwhLPPDAMT\_E indicates how much the respondent and his/her partner pay per month in British pounds for the help provided to the respondent. The respondent is directed to include any payments made for this care, even if not made directly to the care provider. When reporting the amount, the respondent can report the value per hour, per visit, per day, per week, per fortnight, per four weeks, per calendar month, and per year. The reported values per week, fortnight, four weeks, and year are converted to monthly amounts under the assumption that a month is 4.3 weeks. Values per hour are multiplied by the number of hours the respondent reports being helped by the caregiver to obtain a monthly value. The number of hours the respondent received care from informal providers is collected in categories and the mid-point of the categories is used to calculate the total hours as follows: 0 (no help in the last week), 1 (less than 1 hour), 2.5 (1-4 hours), 7 (5-9 hours), 14.5 (10-19 hours), 27 (20-34 hours), 42 (35-49 hours), 74.5 (50-99 hours), 134 (100 hours or more). Values per day or per visit (assuming one visit per day) are multiplied by the frequency with which the respondent reports being helped by the two caregivers who provide the most hours of help. Values per day and per visit are multiplied by the frequency the respondent reports being helped by the caregiver to obtain a monthly value. The frequency the respondent received care from the two caregivers with the most hours is collected in categories and the mid-point of the categories is used to calculate the total number of days per month as follows: 30 (every day), 21.5 (4-6 times a week), 10.75 (2-3 times a week), 4.3 (once a week), 2.15 (one a fortnight), 1 (once a month), 0 (less than once a month). RwhLPPDAMT\_E is the sum of the amount paid per month for each caregiver. RwhLPPDAMT\_E is calculated as long as there is a monthly value for at least one caregiver. RwhLPPDAMT\_E is assigned a value of 0 if the respondent reports that no caregivers are paid. RwhLPPDAMT\_E is assigned special missing .o if the amount cannot be calculated because the amount was reported per hour, per visit, or per day and the number of hours or number of days/visits could not be linked to the helper in question, or if the respondent received help from more than one formal caregiver who were arranged by the local authority.

SwHLPPDAMT\_E indicates how much the respondent's current wave's spouse pays per month for the help provided and is taken directly from RwhLPPDAMT\_E. In addition to the special missing codes employed by RwhLPPDAMT\_E, SwHLPPDAMT\_E employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

These questions are asked starting in Wave 6.

## Differences with the RAND HRS/Harmonized HRS

RwhLPPDN and RwhLPPDIN in the Harmonized HRS indicate the number of paid helpers and insurance-funded paid helpers who help the respondent with ADL or IADL activities. The HRS ascertains whether each individual helper is paid. RwhLPPDN\_E and RwhLPPDIN\_E in the Harmonized ELSA indicate the number of paid helpers and government-funded paid helpers who help the respondent with ADL, IADL, or mobility

activities. The ELSA ascertains whether the 2 helpers who provide the most hours of help are paid. The number of paid helpers can be created for all waves of the Harmonized HRS, but not for all waves of the Harmonized ELSA.

RwHLPPDAMT in the Harmonized HRS indicates the total monthly out-of-pocket cost for the respondent's paid caregiving. For every helper the respondent reports except their spouse or employees of a nursing facility, the respondent is asked whether they are paid, and if so, how much. As such, RwHLPPDAMT is the amount paid for a potentially larger number of caregivers in the Harmonized HRS, compared to RwHLPPDAMT\_E in the Harmonized ELSA, which includes the payment for a maximum of two caregivers and under more specific conditions. Further, RwHLPPDAMT in the Harmonized HRS is in dollars, while RwHLPPDAMT\_E in the Harmonized ELSA is in pounds, so conversion to a common currency is necessary before any comparison can be made.

Because the ELSA does not ask about care received with the same IADL activities, asks additionally about mobility activities, and limits the number of paid helpers the respondent can report, the "\_E" is included in the Harmonized ELSA variable name to indicate that the two concepts are similar but not directly comparable.

## ELSA Variables Used

### Wave 6 Core:

ASKINST	whether respondent had an institutional interview
CAARR01	formal help - how was the help from home care worker/ ho
CAARR02	formal help - how was the help from home care worker/ ho
CAARR03	formal help - how was the help from home care worker/ ho
CAARR04	formal help - how was the help from home care worker/ ho
CAARR05	formal help - how was the help from a member of the reab
CAARR06	formal help - how was the help from voluntary helper arr
CAARR07	formal help - how was the help from warden / sheltered h
CAARR08	formal help - how was the help from cleaner arranged?
CAARR09	formal help - how was the help from council's handyman a
CAARR10	formal help - how was the help from member of staff at t
CAARR11	formal help - how was the help from other formal help -
CAASK1	provider type for questions in second set of payment que
CAASK2	provider type for questions in third set of payment ques
CAFND1	type of provider for questions about care patterns (prov
CAFND2	type of provider for questions about care patterns (prov
CAHPF	how often does provider 1 care patterns (cafnd1) help?
CAHPF2	how often does provider 2 care patterns (cafnd2) help?
CAHRF26	formal help - hours of help received in last week: home
CAHRF27	formal help - hours of help received in last week: home
CAHRF28	formal help - hours of help received in last week: home
CAHRF29	formal help - hours of help received in last week: a mem
CAHRF30	formal help - hours of help received in last week: volun
CAHRF31	formal help - hours of help received in last week: warde
CAHRF32	formal help - hours of help received in last week: clean
CAHRF33	formal help - hours of help received in last week: counc
CAHRF34	formal help - hours of help received in last week: membe
CAHRF35	formal help - hours of help received in last week: other
CAHRI01	asked : informal help - hours of help received in last w
CAHRI02	informal help - hours of help received in last week (9 g
CAHRI03	informal help - hours of help received in last week (9 g
CAHRI04	informal help - hours of help received in last week (9 g
CAHRI05	informal help - hours of help received in last week (9 g
CAHRI06	informal help - hours of help received in last week (9 g
CAHRI07	informal help - hours of help received in last week (9 g
CAHRI08	informal help - hours of help received in last week (9 g
CAHRI09	informal help - hours of help received in last week (9 g
CAHRI10	informal help - hours of help received in last week (9 g
CAHRI11	informal help - hours of help received in last week (9 g
CAHRI12	informal help - hours of help received in last week (9 g
CAHRI13	informal help - hours of help received in last week (9 g
CAHRI14	informal help - hours of help received in last week (9 g

CAHRI15	informal help - hours of help received in last week (9 g
CAHRI16	informal help - hours of help received in last week (9 g
CAHRI17	informal help - hours of help received in last week (9 g
CAHRI18	informal help - hours of help received in last week (9 g
CAHRI19	informal help - hours of help received in last week (9 g
CAHRI20	informal help - hours of help received in last week (9 g
CAHRI21	informal help - hours of help received in last week (9 g
CAHRI22	informal help - hours of help received in last week (9 g
CAHRI23	informal help - hours of help received in last week (9 g
CAHRI24	informal help - hours of help received in last week (9 g
CAHRI25	informal help - hours of help received in last week (9 g
CAPADLA	does anyone else pay for the care: local authority (coun
CAPADLA2	does anyone else pay for the care: local authority (prov
CAPADLA3	does anyone else pay for the care: local authority (prov
CAPAM	amount respondent or partner payments for social care (c
CAPAM2	amount respondent or partner payments for social care (
CAPAM3	amount respondent or partner payments for social care (p
CAPAY	does respondent or partner pay for social care (council
CAPAY2	does respondent or partner pay for social care (provider
CAPAY3	does respondent or partner pay for social care (provider
CAPFQ	frequency of respondent or partner payments for social c
CAPFQ2	frequency of respondent or partner payments for social c
CAPFQ3	frequency of respondent or partner payments for social c
CAPHWDP	how does respondent or partner pay for care: direct paym
CAPHWDP2	how does respondent or partner pay for care: direct paym
CAPHWDP3	how does respondent or partner pay for care: direct paym
CAPHWOT	how does respondent or partner pay for care: other (coun
CAPHWOT2	how does respondent or partner pay for care: other (prov
CAPHWOT3	how does respondent or partner pay for care: other (prov
CATCH	whether received help because of a physical, mental, emo
CATKA	received help in last month: walking 100 yards
CATKB	received help in last month: climbing several flights of
CATKC	received help in last month: climbing one flight of stai
CATKD	received help in last month: dressing, including putting
CATKE	received help in last month: walking across a room
CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including
CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties
Wave 7 Core:	
ASKINST	whether respondent had an institutional interview
CAARR01	formal help - how was the help from home care worker/ ho
CAARR02	formal help - how was the help from home care worker/ ho
CAARR03	formal help - how was the help from home care worker/ ho
CAARR04	formal help - how was the help from home care worker/ ho
CAARR05	formal help - how was the help from a member of the reab
CAARR06	formal help - how was the help from voluntary helper arr
CAARR07	formal help - how was the help from warden / sheltered h
CAARR08	formal help - how was the help from cleaner arranged?
CAARR09	formal help - how was the help from council's handyman a
CAARR10	formal help - how was the help from member of staff at t
CAARR11	formal help - how was the help from other formal help -
CAASK1	provider type for questions in second set of payment que
CAASK2	provider type for questions in third set of payment ques
CAFND1	type of provider for questions about care patterns (prov
CAFND2	type of provider for questions about care patterns (prov
CAHPF	how often does provider 1 care patterns (cafnd1) help?



CAHPF2 how often does provider 2 care patterns (cafnd2) help?  
CAHRF26 formal help - hours of help received in last week: home  
CAHRF27 formal help - hours of help received in last week: home  
CAHRF28 formal help - hours of help received in last week: home  
CAHRF29 formal help - hours of help received in last week: a mem  
CAHRF30 formal help - hours of help received in last week: volun  
CAHRF31 formal help - hours of help received in last week: warde  
CAHRF32 formal help - hours of help received in last week: clean  
CAHRF33 formal help - hours of help received in last week: coun  
CAHRF34 formal help - hours of help received in last week: membe  
CAHRF35 formal help - hours of help received in last week: other  
CAHRI01 asked : informal help - hours of help received in last w  
CAHRI02 informal help - hours of help received in last week (9 g  
CAHRI03 informal help - hours of help received in last week (9 g  
CAHRI04 informal help - hours of help received in last week (9 g  
CAHRI05 informal help - hours of help received in last week (9 g  
CAHRI06 informal help - hours of help received in last week (9 g  
CAHRI07 informal help - hours of help received in last week (9 g  
CAHRI08 informal help - hours of help received in last week (9 g  
CAHRI09 informal help - hours of help received in last week (9 g  
CAHRI10 informal help - hours of help received in last week (9 g  
CAHRI11 informal help - hours of help received in last week (9 g  
CAHRI12 informal help - hours of help received in last week (9 g  
CAHRI13 informal help - hours of help received in last week (9 g  
CAHRI14 informal help - hours of help received in last week (9 g  
CAHRI15 informal help - hours of help received in last week (9 g  
CAHRI16 informal help - hours of help received in last week (9 g  
CAHRI17 informal help - hours of help received in last week (9 g  
CAHRI18 informal help - hours of help received in last week (9 g  
CAHRI19 informal help - hours of help received in last week (9 g  
CAHRI20 informal help - hours of help received in last week (9 g  
CAHRI21 informal help - hours of help received in last week (9 g  
CAHRI22 informal help - hours of help received in last week (9 g  
CAHRI23 informal help - hours of help received in last week (9 g  
CAHRI24 informal help - hours of help received in last week (9 g  
CAHRI25 informal help - hours of help received in last week (9 g  
CAPADLA does anyone else pay for the care: local authority (coun  
CAPADLA2 does anyone else pay for the care: local authority (prov  
CAPADLA3 does anyone else pay for the care: local authority (prov  
CAPAM amount respondent or partner payments for social care (c  
CAPAM2 amount respondent or partner payments for social care (  
CAPAM3 amount respondent or partner payments for social care (p  
CAPAY does respondent or partner pay for social care (council  
CAPAY2 does respondent or partner pay for social care (provider  
CAPAY3 does respondent or partner pay for social care (provider  
CAPFQ frequency of respondent or partner payments for social c  
CAPFQ2 frequency of respondent or partner payments for social c  
CAPFQ3 frequency of respondent or partner payments for social c  
CAPHWDP how does respondent or partner pay for care: direct paym  
CAPHWDP2 how does respondent or partner pay for care: direct paym  
CAPHWDP3 how does respondent or partner pay for care: direct paym  
CAPHWOT how does respondent or partner pay for care: other (coun  
CAPHWOT2 how does respondent or partner pay for care: other (prov  
CAPHWOT3 how does respondent or partner pay for care: other (prov  
CATCH whether received help because of a physical, mental, emo  
CATKA received help in last month: walking 100 yards  
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CATKC received help in last month: climbing one flight of stai  
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CATKE received help in last month: walking across a room  
CATKF received help in last month: bathing or showering  
CATKG received help in last month: eating, such as cutting up  
CATKH received help in last month: getting in and out of bed

CATKI	received help in last month: using the toilet, including
CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties
Wave 8 Core:	
ASKINST	computed: whether respondent had an institutional interv
CAARR01	formal help: how was the help from home care worker/ hom
CAARR02	formal help: how was the help from home care worker/ hom
CAARR03	formal help: how was the help from home care worker/ hom
CAARR04	formal help: how was the help from home care worker/ hom
CAARR05	formal help: how was the help from a member of the reabl
CAARR06	formal help: how was the help from voluntary helper arra
CAARR07	formal help: how was the help from warden / sheltered ho
CAARR08	formal help: how was the help from cleaner arranged
CAARR09	formal help: how was the help from council's handyman ar
CAARR10	formal help: how was the help from member of staff at th
CAARR11	formal help: how was the help from other formal help arr
CAASK1	provider type for questions in second set of payment que
CAASK2	provider type for questions in third set of payment ques
CAFND1	type of provider for questions about care patterns (prov
CAFND2	type of provider for questions about care patterns (prov
CAHPF	how often provider 1 care patterns (cafnd1) helps
CAHPF2	how often does provider 2 care patterns (cafnd2) help
CAHRF26	formal help: hours of help received in last week: home c
CAHRF27	formal help: hours of help received in last week: home c
CAHRF28	formal help: hours of help received in last week: home c
CAHRF29	formal help: hours of help received in last week: a memb
CAHRF30	formal help: hours of help received in last week: volunt
CAHRF31	formal help: hours of help received in last week: warden
CAHRF32	formal help: hours of help received in last week: cleane
CAHRF33	formal help: hours of help received in last week: counci
CAHRF34	formal help: hours of help received in last week: member
CAHRF35	formal help: hours of help received in last week: other
CAHRI01	informal help: hours of help received in last week: husb
CAHRI02	informal help: hours of help received in last week: son
CAHRI03	informal help: hours of help received in last week: son
CAHRI04	informal help: hours of help received in last week: son
CAHRI05	informal help: hours of help received in last week: daug
CAHRI06	informal help: hours of help received in last week: daug
CAHRI07	informal help: hours of help received in last week: daug
CAHRI08	informal help: hours of help received in last week: gran
CAHRI09	informal help: hours of help received in last week: gran
CAHRI10	informal help: hours of help received in last week: gran
CAHRI11	informal help: hours of help received in last week: sist
CAHRI12	informal help: hours of help received in last week: sist
CAHRI13	informal help: hours of help received in last week: sist
CAHRI14	informal help: hours of help received in last week: brot
CAHRI15	informal help: hours of help received in last week: brot
CAHRI16	informal help: hours of help received in last week: brot
CAHRI17	informal help: hours of help received in last week: othe
CAHRI18	informal help: hours of help received in last week: othe
CAHRI19	informal help: hours of help received in last week: othe
CAHRI20	informal help: hours of help received in last week: frie
CAHRI21	informal help: hours of help received in last week: frie
CAHRI22	informal help: hours of help received in last week: frie
CAHRI23	informal help: hours of help received in last week: neig
CAHRI24	informal help: hours of help received in last week: neig
CAHRI25	informal help: hours of help received in last week: neig
CAPADLA	whether anyone else pays for the care: local authority (
CAPADLA2	whether anyone else pays for the care: local authority (

CAPADLA3 whether anyone else pays for the care: local authority (c  
 CAPAM amount respondent or partner payments for social care (c  
 CAPAM2 amount respondent or partner payments for social care (c  
 CAPAM3 amount respondent or partner payments for social care (p  
 CAPAY whether respondent or partner pay for social care (counc  
 CAPAY2 whether respondent or partner pay for social care (provi  
 CAPAY3 whether respondent or partner pay for social care (provi  
 CAPFQ frequency of respondent or partner payments for social c  
 CAPFQ2 frequency of respondent or partner payments for social c  
 CAPFQ3 frequency of respondent or partner payments for social c  
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 CAPHWDP2 how does respondent or partner pay for care: direct paym  
 CAPHWDP3 how does respondent or partner pay for care: direct paym  
 CAPHWOT how does respondent or partner pay for care: other (coun  
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 CATCH whether received help because of a physical, mental, emo  
 CATKA whether received help last month: walking 100 yards  
 CATKB whether received help last month: climbing several fligh  
 CATKC whether received help last month: climbing one flight of  
 CATKD whether received help last month: dressing, including pu  
 CATKE whether received help last month: walking across a room  
 CATKF whether received help last month: bathing or showering  
 CATKG whether received help last month: eating, such as cuttin  
 CATKH whether received help last month: getting in and out of  
 CATKI whether received help last month: using the toilet, incl  
 CATKJ whether received help last month: shopping for groceries  
 CATKK whether received help last month: taking medications  
 CATKL whether received help last month: doing work around the  
 CATKM whether received help last month: managing money, such a  
 HEADL96 adl&iadl: difficulty with none of these  
 HEMOB96 mobility: difficulty with none of these

## Wave 9 Core:

ASKINST Computed: whether respondent had an institutional interv  
 CAARR01 Formal help: how was the help from Home care worker/ hom  
 CAARR02 Formal help: how was the help from Home care worker/ hom  
 CAARR03 Formal help: how was the help from Home care worker/ hom  
 CAARR04 Formal help: how was the help from Home care worker/ hom  
 CAARR05 Formal help: how was the help from A member of the reabl  
 CAARR06 Formal help: how was the help from Voluntary helper arra  
 CAARR07 Formal help: how was the help from Warden / Sheltered ho  
 CAARR08 Formal help: how was the help from Cleaner arranged  
 CAARR09 Formal help: how was the help from Council's handyman ar  
 CAARR10 Formal help: how was the help from Member of staff at th  
 CAARR11 Formal help: how was the help from Other formal help arr  
 CAASK1 Provider type for questions in second set of payment que  
 CAASK2 Provider type for questions in third set of payment ques  
 CAFND1 Type of provider for questions about care patterns (prov  
 CAFND2 Type of provider for questions about care patterns (prov  
 CAHPF How often provider 1 care patterns (cafnd1) helps  
 CAHPF2 How often does provider 2 care patterns (cafnd2) help  
 CAHRF26 Formal help: hours of help received in last week: Home c  
 CAHRF27 Formal help: hours of help received in last week: Home c  
 CAHRF28 Formal help: hours of help received in last week: Home c  
 CAHRF29 Formal help: hours of help received in last week: A memb  
 CAHRF30 Formal help: hours of help received in last week: Volunt  
 CAHRF31 Formal help: hours of help received in last week: Warden  
 CAHRF32 Formal help: hours of help received in last week: Cleane  
 CAHRF33 Formal help: hours of help received in last week: Counci  
 CAHRF34 Formal help: hours of help received in last week: Member  
 CAHRF35 Formal help: hours of help received in last week: Other  
 CAHRI01 Informal help: hours of help received in last week: Husb  
 CAHRI02 Informal help: hours of help received in last week: Son

CAHRI03	Informal help: hours of help received in last week: Son
CAHRI04	Informal help: hours of help received in last week: Son
CAHRI05	Informal help: hours of help received in last week: Daug
CAHRI06	Informal help: hours of help received in last week: Daug
CAHRI07	Informal help: hours of help received in last week: Daug
CAHRI08	Informal help: hours of help received in last week: Gran
CAHRI09	Informal help: hours of help received in last week: Gran
CAHRI10	Informal help: hours of help received in last week: Gran
CAHRI11	Informal help: hours of help received in last week: Sist
CAHRI12	Informal help: hours of help received in last week: Sist
CAHRI13	Informal help: hours of help received in last week: Sist
CAHRI14	Informal help: hours of help received in last week: Brot
CAHRI15	Informal help: hours of help received in last week: Brot
CAHRI16	Informal help: hours of help received in last week: Brot
CAHRI17	Informal help: hours of help received in last week: Othe
CAHRI18	Informal help: hours of help received in last week: Othe
CAHRI19	Informal help: hours of help received in last week: Othe
CAHRI20	Informal help: hours of help received in last week: Frie
CAHRI21	Informal help: hours of help received in last week: Frie
CAHRI22	Informal help: hours of help received in last week: Frie
CAHRI23	Informal help: hours of help received in last week: Neig
CAHRI24	Informal help: hours of help received in last week: Neig
CAHRI25	Informal help: hours of help received in last week: Neig
CAPADLA	Whether anyone else pays for the care: local authority (
CAPADLA2	Whether anyone else pays for the care: local authority (
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CAPAM	Amount respondent or partner payments for social care (c
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CAPFQ2	Frequency of respondent or partner payments for social c
CAPFQ3	Frequency of respondent or partner payments for social c
CAPHWDP	How does respondent or partner pay for care: direct paym
CAPHWDP2	How does respondent or partner pay for care: direct paym
CAPHWDP3	How does respondent or partner pay for care: direct paym
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CAPHWOT2	How does respondent or partner pay for care: other (prov
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CATKA	Whether received help last month: walking 100 yards
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CATKE	Whether received help last month: walking across a room
CATKF	Whether received help last month: bathing or showering
CATKG	Whether received help last month: eating, such as cuttin
CATKH	Whether received help last month: getting in and out of
CATKI	Whether received help last month: using the toilet, incl
CATKJ	Whether received help last month: shopping for groceries
CATKK	Whether received help last month: taking medications
CATKL	Whether received help last month: doing work around the
CATKM	Whether received help last month: managing money, such a
HEADL96	ADL&IADL: difficulty with none of these
HEMOB96	Mobility: difficulty with none of these

<b>Care for ADLs or IADLs: How Often Care Received Meets Needs</b>
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Wave	Variable	Label	Type
1	R1RCAREMT_E	r1rcaremt_e:w1 how often care meets r's needs for adls/iadls	Categ
2	R2RCAREMT_E	r2rcaremt_e:w2 how often care meets r's needs for adls/iadls	Categ
3	R3RCAREMT_E	r3rcaremt_e:w3 how often care meets r's needs for adls/iadls	Categ
4	R4RCAREMT_E	r4rcaremt_e:w4 how often care meets r's needs for adls/iadls	Categ
5	R5RCAREMT_E	r5rcaremt_e:w5 how often care meets r's needs for adls/iadls	Categ
6	R6RCAREMT_E	r6rcaremt_e:w6 how often care meets r's needs for adls/iadls	Categ
7	R7RCAREMT_E	r7rcaremt_e:w7 how often care meets r's needs for adls/iadls	Categ
8	R8RCAREMT_E	r8rcaremt_e:w8 how often care meets r's needs for adls/iadls	Categ
9	R9RCAREMT_E	r9rcaremt_e:w9 how often care meets r's needs for adls/iadls	Categ
1	S1RCAREMT_E	s1rcaremt_e:w1 how often care meets s's needs for adls/iadls	Categ
2	S2RCAREMT_E	s2rcaremt_e:w2 how often care meets s's needs for adls/iadls	Categ
3	S3RCAREMT_E	s3rcaremt_e:w3 how often care meets s's needs for adls/iadls	Categ
4	S4RCAREMT_E	s4rcaremt_e:w4 how often care meets s's needs for adls/iadls	Categ
5	S5RCAREMT_E	s5rcaremt_e:w5 how often care meets s's needs for adls/iadls	Categ
6	S6RCAREMT_E	s6rcaremt_e:w6 how often care meets s's needs for adls/iadls	Categ
7	S7RCAREMT_E	s7rcaremt_e:w7 how often care meets s's needs for adls/iadls	Categ
8	S8RCAREMT_E	s8rcaremt_e:w8 how often care meets s's needs for adls/iadls	Categ
9	S9RCAREMT_E	s9rcaremt_e:w9 how often care meets s's needs for adls/iadls	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RCAREMT_E	2758	1.53	0.73	1.00	4.00
R2RCAREMT_E	2568	1.46	0.68	1.00	4.00
R3RCAREMT_E	2159	1.50	0.72	1.00	4.00
R4RCAREMT_E	2565	1.47	0.70	1.00	4.00
R5RCAREMT_E	2457	1.42	0.66	1.00	4.00
R6RCAREMT_E	1997	1.43	0.67	1.00	4.00
R7RCAREMT_E	1763	1.40	0.65	1.00	4.00
R8RCAREMT_E	1604	1.42	0.66	1.00	4.00
R9RCAREMT_E	1541	1.43	0.68	1.00	4.00
S1RCAREMT_E	1650	1.44	0.69	1.00	4.00
S2RCAREMT_E	1564	1.38	0.62	1.00	4.00
S3RCAREMT_E	1246	1.38	0.63	1.00	4.00
S4RCAREMT_E	1539	1.37	0.63	1.00	4.00
S5RCAREMT_E	1468	1.34	0.60	1.00	4.00
S6RCAREMT_E	1086	1.37	0.64	1.00	4.00
S7RCAREMT_E	952	1.34	0.62	1.00	4.00
S8RCAREMT_E	892	1.36	0.61	1.00	4.00
S9RCAREMT_E	831	1.34	0.61	1.00	4.00

### Categorical Variable Codes

Value-----	R1RCAREMT_E	R2RCAREMT_E	R3RCAREMT_E	R4RCAREMT_E	R5RCAREMT_E
.d:DK	20	4	2	2	4
.h:no help received	4131	3004	3197	3646	3389
.m:Missing		3	3		
.p:proxy	175	78	147		
.r:Refuse	4	1		7	6
.s:skipped			3		
.x:no difficulty	5011	3774	4255	4830	4418
1.all the time	1666	1638	1347	1647	1640
2.usually	750	694	571	672	626
3.sometimes	313	218	216	216	166

4.hardly ever	29	18	25	30	25
Value-----	R6RCAREMT_E	R7RCAREMT_E	R8RCAREMT_E	R9RCAREMT_E	
.b:not b/c physical problem	120	103	93	83	
.d:DK	4	5	2	3	
.h:no help received	3543	3204	2967	2917	
.n:institutional iw	74	62	57	54	
.r:Refuse	3		1	1	
.x:no difficulty	4860	4529	3721	4137	
1.all the time	1334	1210	1071	1032	
2.usually	499	410	410	377	
3.sometimes	142	132	108	113	
4.hardly ever	22	11	15	19	
Value-----	S1RCAREMT_E	S2RCAREMT_E	S3RCAREMT_E	S4RCAREMT_E	S5RCAREMT_E
.d:DK	12	2		2	3
.h:no help received	2589	1811	1935	2235	2121
.m:Missing		3	1		
.p:proxy	122	48	74		
.r:Refuse	3	1		6	4
.s:skipped			2		
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.x:no difficulty	3694	2749	3126	3620	3368
1.all the time	1102	1074	868	1085	1071
2.usually	387	386	288	349	310
3.sometimes	149	96	84	93	79
4.hardly ever	12	8	6	12	8
Value-----	S6RCAREMT_E	S7RCAREMT_E	S8RCAREMT_E	S9RCAREMT_E	
.b:not b/c physical problem	51	45	41	39	
.d:DK	3	3	2	1	
.h:no help received	2441	2172	1986	1938	
.r:Refuse	2		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.x:no difficulty	3659	3388	2766	3011	
1.all the time	765	702	630	607	
2.usually	250	186	215	172	
3.sometimes	59	59	39	47	
4.hardly ever	12	5	8	5	

## How Constructed

RwRCAREMT\_E indicates how often the care the respondent receives meets their needs. If the respondent reports receiving help with any activity, they are asked how often the help they receive meets their needs. RwRCAREMT\_E is coded as follows: 1.all the time, 2.usually, 3.sometimes, 4.hardly ever. RwRCAREMT\_E is assigned special missing .x if the respondent has no difficulty with any ADLs, IADLs, or mobility activities. RwRCAREMT\_E is assigned special missing .h if the respondent has difficulty with an ADL, IADL, or mobility activity but does not receive any help with it. In Waves 1 through 3, RwRCAREMT\_E is assigned special missing .p if this question was skipped because the interview was completed by proxy. In Wave 3, RwRCAREMT\_E is assigned special missing .s if the respondent had difficulty with one of the activities that respondents were not asked about receiving help for. Starting in Wave 6, RwRCAREMT\_E is assigned special missing .b if this question was not asked because the respondent received help with shopping for groceries, doing working around the house or garden, or managing money, but this help was not because of a physical, mental, emotional, or memory problem. Starting in Wave 6, RwRCAREMT\_E is assigned special missing .n if this question was skipped because the respondent was in an institution at the time of the interview. Don't know, refused, and other missing responses are assigned special missing .d, .r, and .m, respectively. RwRCAREMT\_E is assigned a blank missing (.) if the respondent did not participate in the current wave.

SwRCAREMT\_E indicates how often the care the respondent's current wave's spouse receives meets their needs, and its values are taken from RwRCAREMT\_E. In addition to the special missing codes employed by RwRCAREMT\_E, SwRCAREMT\_E employs two additional special missing codes. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Proxy respondents are not asked this question in Waves 1 through 3.

Institutionalized respondents are not asked this question starting in Wave 6.

In Waves 1 through 5, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked a single question ascertaining whether they receive help with activities with which they have difficulty. If so, in Waves 1 and 2 they are asked to list the relationships for all the people who help with these activities. In Waves 3 through 5, they are asked to separately list the relationships for all the people who help according to the following groupings: moving around the house (climbing stairs, walking across a room, getting in or out of bed, or using the toilet), bathing/showering or getting dressed, eating or preparing a hot meal, shopping for groceries or doing work around the house or garden, making phone calls or managing money, and taking medication, if they report difficulty with one of the activities. In Wave 5 they are also asked to list the relationships for all the people who help with the other mobility activities if they report difficulty with one of the activities (walking 100 yards, sitting getting up from a chair, stooping, reaching arms, pulling a heavy object, lifting 10 lbs, picking up a coin, reading a map, communicating, or recognizing danger).

Starting in Wave 6, if the respondent reports having difficulty with at least one ADL, IADL, or mobility activity, then they are asked whether someone helps them with each of those activities. They are asked to separately list the relationships for all the people who help according to the following groupings: mobility (walking 100 yards, climbing several flights of stairs, climbing one flight of stairs, walking across a room, getting in or out of bed, using the toilet), bathing/showering or getting dressed, eating, shopping for groceries or doing work around the house or garden, taking medication, or managing money.

Starting in Wave 6, this question was not asked if the respondent received help with shopping for groceries, doing working around the house or garden, or managing money, but this help was not because of a physical, mental, emotional, or memory problem.

## Differences with the RAND HRS/Harmonized HRS

There is no comparable variable to RwRCAREMT\_E in the Harmonized HRS.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
HEADA01	because of a health problem, do you have any difficultie
HEADB01	because of a health or memory problem, do you have any
HEHPA	thinking about the activities that you have problems wi
HEHPC	would you say that the help you receive...? {meets your ne

### Wave 2 Core:

ASKPX1	Whether interviewed by proxy
HEADA01	ADL: activity has problem with due to health/physical pr
HEADB01	IADL: activity has problem with due to health/physical p
HEHPA	ADL & IADL: whether ever has help with these activities
HEHPC	ADL & IADL: usefulness of help

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
HEADL96	adl&iadl: whether said had none of listed difficulties
HEADLBA	adl: difficulty bathing or showering
HEADLBE	adl: difficulty getting in and out of bed
HEADLDR	adl: difficulty dressing, including putting on shoes and
HEADLEA	adl: difficulty eating, such as cutting up food
HEADLHO	iadl: difficulty doing work around house and garden
HEADLMA	iadl: difficulty using map to figure out how to get arou
HEADLME	iadl: difficulty taking medications
HEADLMO	iadl: difficulty managing money, eg paying bills,keeping
HEADLPH	iadl: difficulty making telephone calls
HEADLPR	iadl: difficulty preparing a hot meal

HEADLSH	iadl: difficulty shopping for groceries
HEADLWA	adl: difficulty walking across a room
HEADLWC	adl: difficulty using the toilet, including getting up o
HEHPA	functioning: whether ever has help with mobility, adl, i
HEHPC	physical functioning: usefulness of help
HEMOB96	mobility: whether said had none of listed difficulties
HEMOBCH	mobility: difficulty getting up from chair after sitting
HEMOBCL	mobility: difficulty climbing one flight stairs without
HEMOBCS	mobility: difficulty climbing several flights stairs wit
HEMOBLI	mobility: difficulty lifting or carrying weights over 10
HEMOBPI	mobility: difficulty picking up 5p coin from table
HEMOBPU	mobility: difficulty pulling or pushing large objects
HEMOBRE	mobility: difficulty reaching or ectending arms above sh
HEMOBSI	mobility: difficulty sitting 2 hours
HEMOBST	mobility: difficulty stooping, kneeling or crouching
HEMOBWA	mobility: difficulty walking 100 yards
Wave 4 Core:	
ASKPX	whether respondent had an interview by proxy
HEADL96	adl&iadl: whether said had none of listed difficulties
HEHPA	functioning: whether ever has help with mobility, adl, i
HEHPC	physical functioning: usefulness of help
HEMOB96	mobility: whether said had none of listed difficulties
Wave 5 Core:	
ASKPX	Whether respondent had an interview by proxy
HEADL96	ADL&IADL: whether said had none of listed difficulties
HEHPA	Functioning: whether ever has help with mobility, ADL, I
HEHPC	Physical functioning: usefulness of help
HEMOB96	Mobility: whether said had none of listed difficulties
Wave 6 Core:	
ASKINST	whether respondent had an institutional interview
CAHPC	how often all help received meets needs
CATCH	whether received help because of a physical, mental, emo
CATKA	received help in last month: walking 100 yards
CATKB	received help in last month: climbing several flights of
CATKC	received help in last month: climbing one flight of stai
CATKD	received help in last month: dressing, including putting
CATKE	received help in last month: walking across a room
CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including
CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house
CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties
Wave 7 Core:	
ASKINST	whether respondent had an institutional interview
CAHPC	how often all help received meets needs
CATCH	whether received help because of a physical, mental, emo
CATKA	received help in last month: walking 100 yards
CATKB	received help in last month: climbing several flights of
CATKC	received help in last month: climbing one flight of stai
CATKD	received help in last month: dressing, including putting
CATKE	received help in last month: walking across a room
CATKF	received help in last month: bathing or showering
CATKG	received help in last month: eating, such as cutting up
CATKH	received help in last month: getting in and out of bed
CATKI	received help in last month: using the toilet, including
CATKJ	received help in last month: shopping for groceries
CATKK	received help in last month: taking medications
CATKL	received help in last month: doing work around the house



CATKM	received help in last month: managing money, such as pay
HEADL96	adl&iadl: whether said had none of listed difficulties
HEMOB96	mobility: whether said had none of listed difficulties
Wave 8 Core:	
ASKINST	computed: whether respondent had an institutional interv
CAHPC	whether help received meets needs
CATCH	whether received help because of a physical, mental, emo
CATKA	whether received help last month: walking 100 yards
CATKB	whether received help last month: climbing several fligh
CATKC	whether received help last month: climbing one flight of
CATKD	whether received help last month: dressing, including pu
CATKE	whether received help last month: walking across a room
CATKF	whether received help last month: bathing or showering
CATKG	whether received help last month: eating, such as cuttin
CATKH	whether received help last month: getting in and out of
CATKI	whether received help last month: using the toilet, incl
CATKJ	whether received help last month: shopping for groceries
CATKK	whether received help last month: taking medications
CATKL	whether received help last month: doing work around the
CATKM	whether received help last month: managing money, such a
HEADL96	adl&iadl: difficulty with none of these
HEMOB96	mobility: difficulty with none of these
Wave 9 Core:	
ASKINST	Computed: whether respondent had an institutional interv
CAHPC	Whether help received meets needs
CATCH	Whether received help because of a physical, mental, emo
CATKA	Whether received help last month: walking 100 yards
CATKB	Whether received help last month: climbing several fligh
CATKC	Whether received help last month: climbing one flight of
CATKD	Whether received help last month: dressing, including pu
CATKE	Whether received help last month: walking across a room
CATKF	Whether received help last month: bathing or showering
CATKG	Whether received help last month: eating, such as cuttin
CATKH	Whether received help last month: getting in and out of
CATKI	Whether received help last month: using the toilet, incl
CATKJ	Whether received help last month: shopping for groceries
CATKK	Whether received help last month: taking medications
CATKL	Whether received help last month: doing work around the
CATKM	Whether received help last month: managing money, such a
HEADL96	ADL&IADL: difficulty with none of these
HEMOB96	Mobility: difficulty with none of these

<b>Provides Care: Whether Provides Any Care</b>
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Wave	Variable	Label	Type
1	R1GCAANY1M	r1gcaany1m:w1 r provided any informal care last month	Categ
2	R2GCAANY1M	r2gcaany1m:w2 r provided any informal care last month	Categ
3	R3GCAANY1M	r3gcaany1m:w3 r provided any informal care last month	Categ
4	R4GCAANY1M	r4gcaany1m:w4 r provided any informal care last month	Categ
5	R5GCAANY1M	r5gcaany1m:w5 r provided any informal care last month	Categ
6	R6GCAANY1M	r6gcaany1m:w6 r provided any informal care last month	Categ
7	R7GCAANY1M	r7gcaany1m:w7 r provided any informal care last month	Categ
8	R8GCAANY1M	r8gcaany1m:w8 r provided any informal care last month	Categ
9	R9GCAANY1M	r9gcaany1m:w9 r provided any informal care last month	Categ
1	S1GCAANY1M	s1gcaany1m:w1 s provided any informal care last month	Categ
2	S2GCAANY1M	s2gcaany1m:w2 s provided any informal care last month	Categ
3	S3GCAANY1M	s3gcaany1m:w3 s provided any informal care last month	Categ
4	S4GCAANY1M	s4gcaany1m:w4 s provided any informal care last month	Categ
5	S5GCAANY1M	s5gcaany1m:w5 s provided any informal care last month	Categ
6	S6GCAANY1M	s6gcaany1m:w6 s provided any informal care last month	Categ
7	S7GCAANY1M	s7gcaany1m:w7 s provided any informal care last month	Categ
8	S8GCAANY1M	s8gcaany1m:w8 s provided any informal care last month	Categ
9	S9GCAANY1M	s9gcaany1m:w9 s provided any informal care last month	Categ
1	R1GCAANY1W	r1gcaany1w:w1 r provided any informal care last week	Categ
2	R2GCAANY1W	r2gcaany1w:w2 r provided any informal care last week	Categ
3	R3GCAANY1W	r3gcaany1w:w3 r provided any informal care last week	Categ
4	R4GCAANY1W	r4gcaany1w:w4 r provided any informal care last week	Categ
5	R5GCAANY1W	r5gcaany1w:w5 r provided any informal care last week	Categ
6	R6GCAANY1W	r6gcaany1w:w6 r provided any informal care last week	Categ
7	R7GCAANY1W	r7gcaany1w:w7 r provided any informal care last week	Categ
8	R8GCAANY1W	r8gcaany1w:w8 r provided any informal care last week	Categ
9	R9GCAANY1W	r9gcaany1w:w9 r provided any informal care last week	Categ
1	S1GCAANY1W	s1gcaany1w:w1 s provided any informal care last week	Categ
2	S2GCAANY1W	s2gcaany1w:w2 s provided any informal care last week	Categ
3	S3GCAANY1W	s3gcaany1w:w3 s provided any informal care last week	Categ
4	S4GCAANY1W	s4gcaany1w:w4 s provided any informal care last week	Categ
5	S5GCAANY1W	s5gcaany1w:w5 s provided any informal care last week	Categ
6	S6GCAANY1W	s6gcaany1w:w6 s provided any informal care last week	Categ
7	S7GCAANY1W	s7gcaany1w:w7 s provided any informal care last week	Categ
8	S8GCAANY1W	s8gcaany1w:w8 s provided any informal care last week	Categ
9	S9GCAANY1W	s9gcaany1w:w9 s provided any informal care last week	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1GCAANY1M	12090	0.10	0.29	0.00	1.00
R2GCAANY1M	9431	0.14	0.35	0.00	1.00
R3GCAANY1M	9763	0.13	0.34	0.00	1.00
R4GCAANY1M	11040	0.12	0.33	0.00	1.00
R5GCAANY1M	10265	0.13	0.34	0.00	1.00
R6GCAANY1M	10599	0.13	0.33	0.00	1.00
R7GCAANY1M	9665	0.13	0.33	0.00	1.00
R8GCAANY1M	8442	0.13	0.34	0.00	1.00
R9GCAANY1M	8735	0.13	0.33	0.00	1.00
S1GCAANY1M	8062	0.11	0.31	0.00	1.00
S2GCAANY1M	6177	0.17	0.37	0.00	1.00
S3GCAANY1M	6383	0.15	0.36	0.00	1.00

S4GCAANY1M	7394	0.14	0.35	0.00	1.00
S5GCAANY1M	6958	0.15	0.36	0.00	1.00
S6GCAANY1M	7240	0.14	0.35	0.00	1.00
S7GCAANY1M	6559	0.14	0.35	0.00	1.00
S8GCAANY1M	5685	0.15	0.36	0.00	1.00
S9GCAANY1M	5819	0.15	0.35	0.00	1.00
R1GCAANY1W	11911	0.19	0.39	0.00	1.00
R2GCAANY1W	9306	0.11	0.31	0.00	1.00
R3GCAANY1W	9529	0.10	0.31	0.00	1.00
R4GCAANY1W	10591	0.09	0.29	0.00	1.00
R5GCAANY1W	9722	0.10	0.30	0.00	1.00
R6GCAANY1W	9924	0.20	0.40	0.00	1.00
R7GCAANY1W	9024	0.18	0.39	0.00	1.00
R8GCAANY1W	7942	0.19	0.39	0.00	1.00
R9GCAANY1W	8163	0.19	0.39	0.00	1.00
S1GCAANY1W	7940	0.22	0.41	0.00	1.00
S2GCAANY1W	6082	0.13	0.34	0.00	1.00
S3GCAANY1W	6222	0.12	0.33	0.00	1.00
S4GCAANY1W	7060	0.11	0.31	0.00	1.00
S5GCAANY1W	6538	0.12	0.33	0.00	1.00
S6GCAANY1W	6716	0.23	0.42	0.00	1.00
S7GCAANY1W	6048	0.21	0.41	0.00	1.00
S8GCAANY1W	5293	0.22	0.41	0.00	1.00
S9GCAANY1W	5347	0.22	0.41	0.00	1.00

**Categorical Variable Codes**

Value-----	R1GCAANY1M	R2GCAANY1M	R3GCAANY1M	R4GCAANY1M	R5GCAANY1M
.d:DK	5			2	4
.m:Missing			3		
.r:Refuse	4	1		8	5
0.no	10931	8083	8494	9667	8893
1.yes	1159	1348	1269	1373	1372
Value-----	R6GCAANY1M	R7GCAANY1M	R8GCAANY1M	R9GCAANY1M	
.d:DK		1	2	1	
.r:Refuse	2		1		
0.no	9271	8421	7322	7622	
1.yes	1328	1244	1120	1113	
Value-----	S1GCAANY1M	S2GCAANY1M	S3GCAANY1M	S4GCAANY1M	S5GCAANY1M
.d:DK	4			2	3
.m:Missing			1		
.r:Refuse	4	1		6	3
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	7169	5153	5425	6366	5891
1.yes	893	1024	958	1028	1067
Value-----	S6GCAANY1M	S7GCAANY1M	S8GCAANY1M	S9GCAANY1M	
.d:DK		1	2	1	
.r:Refuse	2		1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6233	5614	4822	4969	
1.yes	1007	945	863	850	
Value-----	R1GCAANY1W	R2GCAANY1W	R3GCAANY1W	R4GCAANY1W	R5GCAANY1W
.d:DK	9		1	2	9
.m:Missing			4		1
.p:proxy	175	125	232	446	537
.r:Refuse	4	1		11	5
0.no	9660	8270	8529	9592	8716
1.yes	2251	1036	1000	999	1006

Value-----	R6GCAANY1W	R7GCAANY1W	R8GCAANY1W	R9GCAANY1W	
.d:DK	13	11	2	3	
.m:Missing	13		3	8	
.n:institutional iw	12	10	15	9	
.p:proxy	614	597	463	545	
.r:Refuse	25	24	20	8	
0.no	7962	7377	6462	6624	
1.yes	1962	1647	1480	1539	
Value-----	S1GCAANY1W	S2GCAANY1W	S3GCAANY1W	S4GCAANY1W	S5GCAANY1W
.d:DK	5		1	2	6
.m:Missing			3		
.p:proxy	122	95	158	333	418
.r:Refuse	3	1		7	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	6207	5279	5459	6302	5744
1.yes	1733	803	763	758	794
Value-----	S6GCAANY1W	S7GCAANY1W	S8GCAANY1W	S9GCAANY1W	
.d:DK	10	9	2	2	
.m:Missing	7		3	7	
.p:proxy	494	484	375	459	
.r:Refuse	15	19	15	5	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	5181	4767	4135	4187	
1.yes	1535	1281	1158	1160	

## How Constructed

RwGCAANY1M indicates whether the respondent provided any informal care to anyone in the past month. RwGCAANY1M is taken from the following question in the work and pensions module: "Did you do any of these activities during the last month, that is since [date a month ago]?". A code of 0 is used if the respondent indicates they did not care for someone in the last month. A code of 1 is used if the respondent reports that they "cared for someone" ("cared for a sick or disabled adult" in Wave 1). Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwGCAANY1M is set to blank missing (.) if the respondent did not participate in the current wave.

SwGCAANY1M indicates whether the respondent's current wave's spouse provided any informal care to anyone in the past month, and its values are taken from RwGCAANY1M. In addition to the special missing codes used in RwGCAANY1M, SwGCAANY1M employs two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwGCAANY1W indicates whether the respondent provided any informal care to anyone in the past week. RwGCAANY1W is taken from the following question in the effort and reward module (social participation module in Wave 1): "Did you look after anyone in the past week?" In Waves 2 through 5, this question is not asked unless the respondent reported caring for someone in the question from the work and pensions module. A code of 0 is used if the respondent indicates they did not look after anyone in the last week or if they indicate they did not care for someone in the last month in the work module in Waves 2 through 5. A code of 1 is used if the respondent reports that they looked after someone in the past week. RwGCAANY1W is assigned special missing .p if this question was skipped because the interview was by proxy. RwGCAANY1W is assigned special missing .n if this question was skipped because the respondent resided in a nursing home at the time of the interview starting in Wave 6. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwGCAANY1W is set to blank missing (.) if the respondent did not participate in the current wave.

SwGCAANY1W indicates whether the respondent's current wave's spouse provided any informal care to anyone in the past week, and its values are taken from RwGCAANY1W. In addition to the special missing codes used in RwGCAANY1W, SwGCAANY1W employs two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

In Wave 1, respondents had the following list of options to respond to the question: "Did you do any of these activities during the last month?":

1. Paid work
2. Self-employment
3. Voluntary work
4. Care for a sick or disabled adult
5. Looked after home or family
6. Attended a formal educational or training course.
96. None of these

However, starting in Wave 2, respondents had the following list of options to respond to the question "Did you do any of these activities during the last month":

1. Paid work
2. Self-employment
3. Voluntary work
4. Cared for someone
5. Looked after home or family
6. Attended a formal educational or training course
96. None of these

In Wave 1, whether the respondent provided any informal care (looked after anyone) in the past week is asked in the social participation module; moreover, there is no leading question as a requirement to restrict if the respondent is asked the question. However, starting in Wave 2, whether the respondent provided any informal care (looked after anyone) in the past week is asked in the effort and reward module. In Wave 2 to Wave 5, whether or not the respondent is asked the question of providing any informal care (looking after anyone) in the past week depends on how the respondent answered the work status question: "Did you do any of these activities during the last month?". However, there is no such requirement starting in Wave 6. Also starting in Wave 6, the question of providing any informal care (looking after anyone) in the past week is not asked if the respondent is in an institution.

## Differences with the RAND HRS/Harmonized HRS

HwGCAANY in the Harmonized HRS indicates whether the respondent and/or their spouse spent at least 100 hours watching their grandchildren or providing personal care or help with chores to parents in the last two years or since the previous interview and is provided at the couple-level. In the Harmonized ELSA, RwgCAANY1M and RwgCAANY1W indicates whether the respondent provided care in the last month or the last week resulting from two separate direct questions about providing any care and are provided at the respondent-level.

## ELSA Variables Used

Wave 1 Core:

ASKPX1	whether interviewed by proxy
SPCAA	did you look after anyone in the past week (including yo
WPACT1	did you do any of these activities during the last month
WPACT2	did you do any of these activities during the last month

WPACT3 did you do any of these activities during the last month  
WPACT4 did you do any of these activities during the last month  
WPACT5 did you do any of these activities during the last month  
WPACT6 did you do any of these activities during the last month

Wave 3 Core:  
ERCAA whether looked after anyone in the past week  
WPACT96 activities during last month: none of these  
WPACTCA activities during last month: cared for someone

Wave 4 Core:  
ERCAA whether looked after anyone in the past week  
WPACT96 activities during last month: none of these  
WPACTCA activities during last month: cared for someone

Wave 5 Core:  
ERCAA Whether looked after anyone in the past week  
WPACT96 Activities during last month: none of these  
WPACTCA Activities during last month: cared for someone

Wave 6 Core:  
ERCAA whether looked after anyone in the past week  
WPACT96 activities during last month: none of these  
WPACTCA activities during last month: cared for someone

Wave 7 Core:  
ERCAA whether looked after anyone in the past week  
WPACT96 activities during last month: none of these  
WPACTCA activities during last month: cared for someone

Wave 8 Core:  
ERCAA whether looked after anyone in the past week  
WPACT96 activities during last month: none of these  
WPACTCA activities during last month: cared for someone

Wave 9 Core:  
ERCAA Whether looked after anyone in the past week  
WPACT96 Activities during last month: none of these  
WPACTCA Activities during last month: cared for someone

<b>Provides Care: Recipient of Care</b>
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Wave	Variable	Label	Type
1	R1GSCARE1W	r1gscare1w:w1 r provided informal care to spouse last week	Categ
2	R2GSCARE1W	r2gscare1w:w2 r provided informal care to spouse last week	Categ
3	R3GSCARE1W	r3gscare1w:w3 r provided informal care to spouse last week	Categ
4	R4GSCARE1W	r4gscare1w:w4 r provided informal care to spouse last week	Categ
5	R5GSCARE1W	r5gscare1w:w5 r provided informal care to spouse last week	Categ
6	R6GSCARE1W	r6gscare1w:w6 r provided informal care to spouse last week	Categ
7	R7GSCARE1W	r7gscare1w:w7 r provided informal care to spouse last week	Categ
8	R8GSCARE1W	r8gscare1w:w8 r provided informal care to spouse last week	Categ
9	R9GSCARE1W	r9gscare1w:w9 r provided informal care to spouse last week	Categ
1	S1GSCARE1W	s1gscare1w:w1 s provided informal care to spouse last week	Categ
2	S2GSCARE1W	s2gscare1w:w2 s provided informal care to spouse last week	Categ
3	S3GSCARE1W	s3gscare1w:w3 s provided informal care to spouse last week	Categ
4	S4GSCARE1W	s4gscare1w:w4 s provided informal care to spouse last week	Categ
5	S5GSCARE1W	s5gscare1w:w5 s provided informal care to spouse last week	Categ
6	S6GSCARE1W	s6gscare1w:w6 s provided informal care to spouse last week	Categ
7	S7GSCARE1W	s7gscare1w:w7 s provided informal care to spouse last week	Categ
8	S8GSCARE1W	s8gscare1w:w8 s provided informal care to spouse last week	Categ
9	S9GSCARE1W	s9gscare1w:w9 s provided informal care to spouse last week	Categ
1	R1GCCARE1W	r1gccare1w:w1 r provided informal care to children last week	Categ
2	R2GCCARE1W	r2gccare1w:w2 r provided informal care to children last week	Categ
3	R3GCCARE1W	r3gccare1w:w3 r provided informal care to children last week	Categ
4	R4GCCARE1W	r4gccare1w:w4 r provided informal care to children last week	Categ
5	R5GCCARE1W	r5gccare1w:w5 r provided informal care to children last week	Categ
6	R6GCCARE1W	r6gccare1w:w6 r provided informal care to children last week	Categ
7	R7GCCARE1W	r7gccare1w:w7 r provided informal care to children last week	Categ
8	R8GCCARE1W	r8gccare1w:w8 r provided informal care to children last week	Categ
9	R9GCCARE1W	r9gccare1w:w9 r provided informal care to children last week	Categ
1	S1GCCARE1W	s1gccare1w:w1 s provided informal care to children last week	Categ
2	S2GCCARE1W	s2gccare1w:w2 s provided informal care to children last week	Categ
3	S3GCCARE1W	s3gccare1w:w3 s provided informal care to children last week	Categ
4	S4GCCARE1W	s4gccare1w:w4 s provided informal care to children last week	Categ
5	S5GCCARE1W	s5gccare1w:w5 s provided informal care to children last week	Categ
6	S6GCCARE1W	s6gccare1w:w6 s provided informal care to children last week	Categ
7	S7GCCARE1W	s7gccare1w:w7 s provided informal care to children last week	Categ
8	S8GCCARE1W	s8gccare1w:w8 s provided informal care to children last week	Categ
9	S9GCCARE1W	s9gccare1w:w9 s provided informal care to children last week	Categ
2	R2GCCAREN1W	r2gccaren1w:w2 # children r provided informal care to last w	Cont
3	R3GCCAREN1W	r3gccaren1w:w3 # children r provided informal care to last w	Cont
4	R4GCCAREN1W	r4gccaren1w:w4 # children r provided informal care to last w	Cont
5	R5GCCAREN1W	r5gccaren1w:w5 # children r provided informal care to last w	Cont
6	R6GCCAREN1W	r6gccaren1w:w6 # children r provided informal care to last w	Cont
7	R7GCCAREN1W	r7gccaren1w:w7 # children r provided informal care to last w	Cont
8	R8GCCAREN1W	r8gccaren1w:w8 # children r provided informal care to last w	Cont
9	R9GCCAREN1W	r9gccaren1w:w9 # children r provided informal care to last w	Cont
2	S2GCCAREN1W	s2gccaren1w:w2 # children s provided informal care to last w	Cont
3	S3GCCAREN1W	s3gccaren1w:w3 # children s provided informal care to last w	Cont
4	S4GCCAREN1W	s4gccaren1w:w4 # children s provided informal care to last w	Cont
5	S5GCCAREN1W	s5gccaren1w:w5 # children s provided informal care to last w	Cont
6	S6GCCAREN1W	s6gccaren1w:w6 # children s provided informal care to last w	Cont
7	S7GCCAREN1W	s7gccaren1w:w7 # children s provided informal care to last w	Cont
8	S8GCCAREN1W	s8gccaren1w:w8 # children s provided informal care to last w	Cont
9	S9GCCAREN1W	s9gccaren1w:w9 # children s provided informal care to last w	Cont

1 R1GKCARE1W r1gkcare1w:w1 r provided informal care to grandchildren last Categ  
 2 R2GKCARE1W r2gkcare1w:w2 r provided informal care to grandchildren last Categ  
 3 R3GKCARE1W r3gkcare1w:w3 r provided informal care to grandchildren last Categ  
 4 R4GKCARE1W r4gkcare1w:w4 r provided informal care to grandchildren last Categ  
 5 R5GKCARE1W r5gkcare1w:w5 r provided informal care to grandchildren last Categ  
 6 R6GKCARE1W r6gkcare1w:w6 r provided informal care to grandchildren last Categ  
 7 R7GKCARE1W r7gkcare1w:w7 r provided informal care to grandchildren last Categ  
 8 R8GKCARE1W r8gkcare1w:w8 r provided informal care to grandchildren last Categ  
 9 R9GKCARE1W r9gkcare1w:w9 r provided informal care to grandchildren last Categ

1 S1GKCARE1W s1gkcare1w:w1 s provided informal care to grandchildren last Categ  
 2 S2GKCARE1W s2gkcare1w:w2 s provided informal care to grandchildren last Categ  
 3 S3GKCARE1W s3gkcare1w:w3 s provided informal care to grandchildren last Categ  
 4 S4GKCARE1W s4gkcare1w:w4 s provided informal care to grandchildren last Categ  
 5 S5GKCARE1W s5gkcare1w:w5 s provided informal care to grandchildren last Categ  
 6 S6GKCARE1W s6gkcare1w:w6 s provided informal care to grandchildren last Categ  
 7 S7GKCARE1W s7gkcare1w:w7 s provided informal care to grandchildren last Categ  
 8 S8GKCARE1W s8gkcare1w:w8 s provided informal care to grandchildren last Categ  
 9 S9GKCARE1W s9gkcare1w:w9 s provided informal care to grandchildren last Categ

2 R2GKCAREN1W r2gkcare1w:w2 # grandchildren r provided informal care to 1 Cont  
 3 R3GKCAREN1W r3gkcare1w:w3 # grandchildren r provided informal care to 1 Cont  
 4 R4GKCAREN1W r4gkcare1w:w4 # grandchildren r provided informal care to 1 Cont  
 5 R5GKCAREN1W r5gkcare1w:w5 # grandchildren r provided informal care to 1 Cont  
 6 R6GKCAREN1W r6gkcare1w:w6 # grandchildren r provided informal care to 1 Cont  
 7 R7GKCAREN1W r7gkcare1w:w7 # grandchildren r provided informal care to 1 Cont  
 8 R8GKCAREN1W r8gkcare1w:w8 # grandchildren r provided informal care to 1 Cont  
 9 R9GKCAREN1W r9gkcare1w:w9 # grandchildren r provided informal care to 1 Cont

2 S2GKCAREN1W s2gkcare1w:w2 # grandchildren s provided informal care to 1 Cont  
 3 S3GKCAREN1W s3gkcare1w:w3 # grandchildren s provided informal care to 1 Cont  
 4 S4GKCAREN1W s4gkcare1w:w4 # grandchildren s provided informal care to 1 Cont  
 5 S5GKCAREN1W s5gkcare1w:w5 # grandchildren s provided informal care to 1 Cont  
 6 S6GKCAREN1W s6gkcare1w:w6 # grandchildren s provided informal care to 1 Cont  
 7 S7GKCAREN1W s7gkcare1w:w7 # grandchildren s provided informal care to 1 Cont  
 8 S8GKCAREN1W s8gkcare1w:w8 # grandchildren s provided informal care to 1 Cont  
 9 S9GKCAREN1W s9gkcare1w:w9 # grandchildren s provided informal care to 1 Cont

1 R1GRCARE1W r1grcare1w:w1 r provided informal care to relatives last wee Categ  
 2 R2GRCARE1W r2grcare1w:w2 r provided informal care to relatives last wee Categ  
 3 R3GRCARE1W r3grcare1w:w3 r provided informal care to relatives last wee Categ  
 4 R4GRCARE1W r4grcare1w:w4 r provided informal care to relatives last wee Categ  
 5 R5GRCARE1W r5grcare1w:w5 r provided informal care to relatives last wee Categ  
 6 R6GRCARE1W r6grcare1w:w6 r provided informal care to relatives last wee Categ  
 7 R7GRCARE1W r7grcare1w:w7 r provided informal care to relatives last wee Categ  
 8 R8GRCARE1W r8grcare1w:w8 r provided informal care to relatives last wee Categ  
 9 R9GRCARE1W r9grcare1w:w9 r provided informal care to relatives last wee Categ

1 S1GRCARE1W s1grcare1w:w1 s provided informal care to relatives last wee Categ  
 2 S2GRCARE1W s2grcare1w:w2 s provided informal care to relatives last wee Categ  
 3 S3GRCARE1W s3grcare1w:w3 s provided informal care to relatives last wee Categ  
 4 S4GRCARE1W s4grcare1w:w4 s provided informal care to relatives last wee Categ  
 5 S5GRCARE1W s5grcare1w:w5 s provided informal care to relatives last wee Categ  
 6 S6GRCARE1W s6grcare1w:w6 s provided informal care to relatives last wee Categ  
 7 S7GRCARE1W s7grcare1w:w7 s provided informal care to relatives last wee Categ  
 8 S8GRCARE1W s8grcare1w:w8 s provided informal care to relatives last wee Categ  
 9 S9GRCARE1W s9grcare1w:w9 s provided informal care to relatives last wee Categ

2 R2GRCAREN1W r2grcare1w:w2 # relatives r provided informal care to last Cont  
 3 R3GRCAREN1W r3grcare1w:w3 # relatives r provided informal care to last Cont  
 4 R4GRCAREN1W r4grcare1w:w4 # relatives r provided informal care to last Cont  
 5 R5GRCAREN1W r5grcare1w:w5 # relatives r provided informal care to last Cont



6	R6GRCAREN1W	r6grcaren1w:w6	#	relatives	r	provided	informal	care	to	last	Cont
7	R7GRCAREN1W	r7grcaren1w:w7	#	relatives	r	provided	informal	care	to	last	Cont
8	R8GRCAREN1W	r8grcaren1w:w8	#	relatives	r	provided	informal	care	to	last	Cont
9	R9GRCAREN1W	r9grcaren1w:w9	#	relatives	r	provided	informal	care	to	last	Cont
2	S2GRCAREN1W	s2grcaren1w:w2	#	relatives	s	provided	informal	care	to	last	Cont
3	S3GRCAREN1W	s3grcaren1w:w3	#	relatives	s	provided	informal	care	to	last	Cont
4	S4GRCAREN1W	s4grcaren1w:w4	#	relatives	s	provided	informal	care	to	last	Cont
5	S5GRCAREN1W	s5grcaren1w:w5	#	relatives	s	provided	informal	care	to	last	Cont
6	S6GRCAREN1W	s6grcaren1w:w6	#	relatives	s	provided	informal	care	to	last	Cont
7	S7GRCAREN1W	s7grcaren1w:w7	#	relatives	s	provided	informal	care	to	last	Cont
8	S8GRCAREN1W	s8grcaren1w:w8	#	relatives	s	provided	informal	care	to	last	Cont
9	S9GRCAREN1W	s9grcaren1w:w9	#	relatives	s	provided	informal	care	to	last	Cont
1	R1GFCARE1W	r1gfcare1w:w1	r	provided	informal	care	to	non-relatives	last	Categ	
2	R2GFCARE1W	r2gfcare1w:w2	r	provided	informal	care	to	non-relatives	last	Categ	
3	R3GFCARE1W	r3gfcare1w:w3	r	provided	informal	care	to	non-relatives	last	Categ	
4	R4GFCARE1W	r4gfcare1w:w4	r	provided	informal	care	to	non-relatives	last	Categ	
5	R5GFCARE1W	r5gfcare1w:w5	r	provided	informal	care	to	non-relatives	last	Categ	
6	R6GFCARE1W	r6gfcare1w:w6	r	provided	informal	care	to	non-relatives	last	Categ	
7	R7GFCARE1W	r7gfcare1w:w7	r	provided	informal	care	to	non-relatives	last	Categ	
8	R8GFCARE1W	r8gfcare1w:w8	r	provided	informal	care	to	non-relatives	last	Categ	
9	R9GFCARE1W	r9gfcare1w:w9	r	provided	informal	care	to	non-relatives	last	Categ	
1	S1GFCARE1W	s1gfcare1w:w1	s	provided	informal	care	to	non-relatives	last	Categ	
2	S2GFCARE1W	s2gfcare1w:w2	s	provided	informal	care	to	non-relatives	last	Categ	
3	S3GFCARE1W	s3gfcare1w:w3	s	provided	informal	care	to	non-relatives	last	Categ	
4	S4GFCARE1W	s4gfcare1w:w4	s	provided	informal	care	to	non-relatives	last	Categ	
5	S5GFCARE1W	s5gfcare1w:w5	s	provided	informal	care	to	non-relatives	last	Categ	
6	S6GFCARE1W	s6gfcare1w:w6	s	provided	informal	care	to	non-relatives	last	Categ	
7	S7GFCARE1W	s7gfcare1w:w7	s	provided	informal	care	to	non-relatives	last	Categ	
8	S8GFCARE1W	s8gfcare1w:w8	s	provided	informal	care	to	non-relatives	last	Categ	
9	S9GFCARE1W	s9gfcare1w:w9	s	provided	informal	care	to	non-relatives	last	Categ	
2	R2GFCAREN1W	r2gfcaren1w:w2	#	non-relatives	r	provided	informal	care	to	1	Cont
3	R3GFCAREN1W	r3gfcaren1w:w3	#	non-relatives	r	provided	informal	care	to	1	Cont
4	R4GFCAREN1W	r4gfcaren1w:w4	#	non-relatives	r	provided	informal	care	to	1	Cont
5	R5GFCAREN1W	r5gfcaren1w:w5	#	non-relatives	r	provided	informal	care	to	1	Cont
6	R6GFCAREN1W	r6gfcaren1w:w6	#	non-relatives	r	provided	informal	care	to	1	Cont
7	R7GFCAREN1W	r7gfcaren1w:w7	#	non-relatives	r	provided	informal	care	to	1	Cont
8	R8GFCAREN1W	r8gfcaren1w:w8	#	non-relatives	r	provided	informal	care	to	1	Cont
9	R9GFCAREN1W	r9gfcaren1w:w9	#	non-relatives	r	provided	informal	care	to	1	Cont
2	S2GFCAREN1W	s2gfcaren1w:w2	#	non-relatives	s	provided	informal	care	to	1	Cont
3	S3GFCAREN1W	s3gfcaren1w:w3	#	non-relatives	s	provided	informal	care	to	1	Cont
4	S4GFCAREN1W	s4gfcaren1w:w4	#	non-relatives	s	provided	informal	care	to	1	Cont
5	S5GFCAREN1W	s5gfcaren1w:w5	#	non-relatives	s	provided	informal	care	to	1	Cont
6	S6GFCAREN1W	s6gfcaren1w:w6	#	non-relatives	s	provided	informal	care	to	1	Cont
7	S7GFCAREN1W	s7gfcaren1w:w7	#	non-relatives	s	provided	informal	care	to	1	Cont
8	S8GFCAREN1W	s8gfcaren1w:w8	#	non-relatives	s	provided	informal	care	to	1	Cont
9	S9GFCAREN1W	s9gfcaren1w:w9	#	non-relatives	s	provided	informal	care	to	1	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1GSCARE1W	8431	0.09	0.29	0.00	1.00
R2GSCARE1W	6577	0.05	0.22	0.00	1.00
R3GSCARE1W	6903	0.04	0.20	0.00	1.00
R4GSCARE1W	7896	0.04	0.20	0.00	1.00
R5GSCARE1W	7291	0.05	0.22	0.00	1.00
R6GSCARE1W	7060	0.10	0.30	0.00	1.00
R7GSCARE1W	6380	0.09	0.28	0.00	1.00

R8GSCARE1W	5589	0.10	0.30	0.00	1.00
R9GSCARE1W	5747	0.09	0.29	0.00	1.00
S1GSCARE1W	7918	0.10	0.29	0.00	1.00
S2GSCARE1W	6156	0.05	0.22	0.00	1.00
S3GSCARE1W	6360	0.04	0.21	0.00	1.00
S4GSCARE1W	7362	0.04	0.20	0.00	1.00
S5GSCARE1W	6914	0.05	0.22	0.00	1.00
S6GSCARE1W	6697	0.10	0.30	0.00	1.00
S7GSCARE1W	6035	0.09	0.28	0.00	1.00
S8GSCARE1W	5281	0.10	0.30	0.00	1.00
S9GSCARE1W	5336	0.10	0.29	0.00	1.00
R1GCCARE1W	10396	0.02	0.15	0.00	1.00
R2GCCARE1W	8040	0.01	0.11	0.00	1.00
R3GCCARE1W	8401	0.01	0.10	0.00	1.00
R4GCCARE1W	9396	0.01	0.10	0.00	1.00
R5GCCARE1W	8708	0.01	0.10	0.00	1.00
R6GCCARE1W	8484	0.02	0.14	0.00	1.00
R7GCCARE1W	7654	0.02	0.14	0.00	1.00
R8GCCARE1W	6686	0.02	0.13	0.00	1.00
R9GCCARE1W	6775	0.02	0.15	0.00	1.00
S1GCCARE1W	7319	0.02	0.15	0.00	1.00
S2GCCARE1W	5545	0.01	0.11	0.00	1.00
S3GCCARE1W	5763	0.01	0.10	0.00	1.00
S4GCCARE1W	6601	0.01	0.10	0.00	1.00
S5GCCARE1W	6156	0.01	0.10	0.00	1.00
S6GCCARE1W	5973	0.02	0.14	0.00	1.00
S7GCCARE1W	5316	0.02	0.13	0.00	1.00
S8GCCARE1W	4605	0.02	0.13	0.00	1.00
S9GCCARE1W	4591	0.02	0.15	0.00	1.00
R2GCCAREN1W	8040	0.02	0.18	0.00	10.00
R3GCCAREN1W	8401	0.02	0.56	0.00	50.00
R4GCCAREN1W	9396	0.01	0.12	0.00	3.00
R5GCCAREN1W	8707	0.01	0.15	0.00	6.00
R6GCCAREN1W	8484	0.02	0.19	0.00	6.00
R7GCCAREN1W	7651	0.02	0.20	0.00	6.00
R8GCCAREN1W	6685	0.02	0.18	0.00	4.00
R9GCCAREN1W	6775	0.03	0.24	0.00	9.00
S2GCCAREN1W	5545	0.02	0.21	0.00	10.00
S3GCCAREN1W	5763	0.02	0.67	0.00	50.00
S4GCCAREN1W	6601	0.01	0.12	0.00	3.00
S5GCCAREN1W	6156	0.01	0.16	0.00	6.00
S6GCCAREN1W	5973	0.02	0.19	0.00	6.00
S7GCCAREN1W	5313	0.02	0.21	0.00	6.00
S8GCCAREN1W	4604	0.02	0.18	0.00	4.00
S9GCCAREN1W	4591	0.03	0.25	0.00	9.00
R1GKCARE1W	7348	0.06	0.24	0.00	1.00
R2GKCARE1W	6221	0.03	0.16	0.00	1.00
R3GKCARE1W	6030	0.02	0.15	0.00	1.00
R4GKCARE1W	6911	0.02	0.13	0.00	1.00
R5GKCARE1W	6807	0.02	0.14	0.00	1.00
R6GKCARE1W	6466	0.07	0.25	0.00	1.00
R7GKCARE1W	6018	0.06	0.24	0.00	1.00
R8GKCARE1W	5519	0.05	0.22	0.00	1.00
R9GKCARE1W	5250	0.05	0.23	0.00	1.00
S1GKCARE1W	4889	0.07	0.25	0.00	1.00
S2GKCARE1W	4073	0.03	0.17	0.00	1.00

S3GKCARE1W	3871	0.03	0.16	0.00	1.00
S4GKCARE1W	4610	0.02	0.14	0.00	1.00
S5GKCARE1W	4617	0.02	0.15	0.00	1.00
S6GKCARE1W	4379	0.08	0.26	0.00	1.00
S7GKCARE1W	4036	0.07	0.25	0.00	1.00
S8GKCARE1W	3710	0.06	0.23	0.00	1.00
S9GKCARE1W	3463	0.06	0.23	0.00	1.00
R2GKCAREN1W	6221	0.05	0.35	0.00	7.00
R3GKCAREN1W	6030	0.04	0.33	0.00	11.00
R4GKCAREN1W	6911	0.03	0.26	0.00	5.00
R5GKCAREN1W	6807	0.04	0.31	0.00	6.00
R6GKCAREN1W	6464	0.13	0.56	0.00	7.00
R7GKCAREN1W	6015	0.11	0.50	0.00	7.00
R8GKCAREN1W	5519	0.09	0.46	0.00	8.00
R9GKCAREN1W	5250	0.10	0.51	0.00	7.00
S2GKCAREN1W	4073	0.06	0.39	0.00	7.00
S3GKCAREN1W	3871	0.04	0.30	0.00	4.00
S4GKCAREN1W	4610	0.03	0.26	0.00	5.00
S5GKCAREN1W	4617	0.04	0.34	0.00	5.00
S6GKCAREN1W	4377	0.15	0.60	0.00	7.00
S7GKCAREN1W	4034	0.12	0.53	0.00	7.00
S8GKCAREN1W	3710	0.11	0.51	0.00	8.00
S9GKCAREN1W	3463	0.12	0.55	0.00	6.00
R1GRCARE1W	11911	0.06	0.23	0.00	1.00
R2GRCARE1W	9429	0.04	0.20	0.00	1.00
R3GRCARE1W	9752	0.04	0.20	0.00	1.00
R4GRCARE1W	11020	0.04	0.19	0.00	1.00
R5GRCARE1W	10230	0.04	0.19	0.00	1.00
R6GRCARE1W	9924	0.06	0.24	0.00	1.00
R7GRCARE1W	9024	0.06	0.23	0.00	1.00
R8GRCARE1W	7942	0.06	0.23	0.00	1.00
R9GRCARE1W	8163	0.06	0.24	0.00	1.00
S1GRCARE1W	7940	0.06	0.24	0.00	1.00
S2GRCARE1W	6176	0.05	0.21	0.00	1.00
S3GRCARE1W	6372	0.05	0.21	0.00	1.00
S4GRCARE1W	7376	0.04	0.19	0.00	1.00
S5GRCARE1W	6927	0.04	0.20	0.00	1.00
S6GRCARE1W	6716	0.07	0.25	0.00	1.00
S7GRCARE1W	6048	0.06	0.23	0.00	1.00
S8GRCARE1W	5293	0.06	0.24	0.00	1.00
S9GRCARE1W	5347	0.06	0.24	0.00	1.00
R2GRCAREN1W	9429	0.05	0.25	0.00	4.00
R3GRCAREN1W	9752	0.05	0.65	0.00	60.00
R4GRCAREN1W	11020	0.05	0.38	0.00	30.00
R5GRCAREN1W	10230	0.05	0.25	0.00	4.00
R6GRCAREN1W	9924	0.07	0.31	0.00	4.00
R7GRCAREN1W	9024	0.07	0.29	0.00	5.00
R8GRCAREN1W	7942	0.07	0.30	0.00	4.00
R9GRCAREN1W	8163	0.07	0.33	0.00	10.00
S2GRCAREN1W	6176	0.05	0.26	0.00	3.00
S3GRCAREN1W	6372	0.06	0.79	0.00	60.00
S4GRCAREN1W	7376	0.05	0.28	0.00	7.00
S5GRCAREN1W	6927	0.05	0.28	0.00	4.00
S6GRCAREN1W	6716	0.08	0.33	0.00	4.00
S7GRCAREN1W	6048	0.07	0.31	0.00	5.00
S8GRCAREN1W	5293	0.07	0.32	0.00	4.00
S9GRCAREN1W	5347	0.08	0.35	0.00	10.00

R1GFCARE1W	11911	0.02	0.15	0.00	1.00
R2GFCARE1W	9429	0.02	0.12	0.00	1.00
R3GFCARE1W	9752	0.02	0.12	0.00	1.00
R4GFCARE1W	11020	0.01	0.12	0.00	1.00
R5GFCARE1W	10230	0.02	0.13	0.00	1.00
R6GFCARE1W	9924	0.03	0.17	0.00	1.00
R7GFCARE1W	9024	0.03	0.17	0.00	1.00
R8GFCARE1W	7942	0.03	0.16	0.00	1.00
R9GFCARE1W	8163	0.03	0.17	0.00	1.00
S1GFCARE1W	7940	0.02	0.14	0.00	1.00
S2GFCARE1W	6176	0.01	0.12	0.00	1.00
S3GFCARE1W	6372	0.01	0.12	0.00	1.00
S4GFCARE1W	7376	0.01	0.12	0.00	1.00
S5GFCARE1W	6927	0.02	0.13	0.00	1.00
S6GFCARE1W	6716	0.03	0.16	0.00	1.00
S7GFCARE1W	6048	0.03	0.16	0.00	1.00
S8GFCARE1W	5293	0.02	0.15	0.00	1.00
S9GFCARE1W	5347	0.03	0.16	0.00	1.00
R2GFCAREN1W	9430	0.04	0.98	0.00	90.00
R3GFCAREN1W	9752	0.04	0.90	0.00	55.00
R4GFCAREN1W	11020	0.02	0.21	0.00	10.00
R5GFCAREN1W	10230	0.02	0.21	0.00	6.00
R6GFCAREN1W	9924	0.04	0.33	0.00	19.00
R7GFCAREN1W	9024	0.05	0.68	0.00	42.00
R8GFCAREN1W	7942	0.04	0.34	0.00	20.00
R9GFCAREN1W	8163	0.04	0.29	0.00	10.00
S2GFCAREN1W	6176	0.04	1.17	0.00	90.00
S3GFCAREN1W	6372	0.04	0.95	0.00	55.00
S4GFCAREN1W	7376	0.02	0.21	0.00	10.00
S5GFCAREN1W	6927	0.02	0.22	0.00	6.00
S6GFCAREN1W	6716	0.04	0.25	0.00	6.00
S7GFCAREN1W	6048	0.05	0.61	0.00	40.00
S8GFCAREN1W	5293	0.03	0.25	0.00	9.00
S9GFCAREN1W	5347	0.04	0.31	0.00	10.00

**Categorical Variable Codes**

Value-----	R1GSCARE1W	R2GSCARE1W	R3GSCARE1W	R4GSCARE1W	R5GSCARE1W
.d:DK	5		1	2	7
.m:Missing	2	9	3	1	3
.p:proxy	175	30	71	108	122
.r:Refuse	3			10	3
.s:no spouse/partner	3483	2816	2788	3033	2848
0.no	7648	6245	6603	7561	6934
1.yes	783	332	300	335	357
Value-----	R6GSCARE1W	R7GSCARE1W	R8GSCARE1W	R9GSCARE1W	
.d:DK	12	9	2	2	
.m:Missing	9	2	6	9	
.n:institutional ivw	12	10	15	9	
.p:proxy	614	597	463	545	
.r:Refuse	16	20	16	5	
.s:no spouse/partner	2878	2648	2354	2419	
0.no	6379	5822	5032	5203	
1.yes	681	558	557	544	
Value-----	S1GSCARE1W	S2GSCARE1W	S3GSCARE1W	S4GSCARE1W	S5GSCARE1W
.d:DK	5		1	2	6
.m:Missing	1	7	3		
.p:proxy	122	1	9	17	31
.r:Refuse	3			7	2

.s:no spouse/partner	21	14	11	14	11
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	7162	5830	6075	7042	6571
1.yes	756	326	285	320	343
Value-----	S6GSCARE1W	S7GSCARE1W	S8GSCARE1W	S9GSCARE1W	
.d:DK	11	9	2	2	
.m:Missing	7		6	7	
.p:proxy	494	484	375	459	
.r:Refuse	15	19	15	5	
.s:no spouse/partner	18	13	9	11	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6042	5497	4747	4829	
1.yes	655	538	534	507	
Value-----	R1GCCARE1W	R2GCCARE1W	R3GCCARE1W	R4GCCARE1W	R5GCCARE1W
.c:no children	1519	1367	1303	1553	1443
.d:DK	6		1	2	5
.m:Missing		1	2		1
.p:proxy	175	24	59	90	114
.r:Refuse	3			9	3
0.no	10163	7940	8310	9301	8622
1.yes	233	100	91	95	86
Value-----	R6GCCARE1W	R7GCCARE1W	R8GCCARE1W	R9GCCARE1W	
.c:no children	1449	1377	1260	1391	
.d:DK	12	9	1	2	
.m:Missing	9		3	6	
.n:institutional ivw	12	10	15	9	
.p:proxy	614	597	463	545	
.r:Refuse	21	19	17	8	
0.no	8311	7510	6562	6616	
1.yes	173	144	124	159	
Value-----	S1GCCARE1W	S2GCCARE1W	S3GCCARE1W	S4GCCARE1W	S5GCCARE1W
.c:no children	623	618	593	744	733
.d:DK	4		1	2	4
.m:Missing			2		
.p:proxy	122	15	25	49	69
.r:Refuse	2			6	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	7155	5472	5702	6536	6096
1.yes	164	73	61	65	60
Value-----	S6GCCARE1W	S7GCCARE1W	S8GCCARE1W	S9GCCARE1W	
.c:no children	746	735	692	758	
.d:DK	10	8	1	1	
.m:Missing	4		3	6	
.p:proxy	494	484	375	459	
.r:Refuse	15	17	12	5	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	5858	5220	4522	4484	
1.yes	115	96	83	107	
Value-----	R1GKCARE1W	R2GKCARE1W	R3GKCARE1W	R4GKCARE1W	R5GKCARE1W
.d:DK	6		1	1	7
.k:no grandchildren/greatgr	4566	3170	3654	3965	3267
.m:Missing		1	1		1
.p:proxy	175	40	80	167	189
.r:Refuse	4			6	3
0.no	6886	6058	5888	6787	6671
1.yes	462	163	142	124	136
Value-----	R6GKCARE1W	R7GKCARE1W	R8GKCARE1W	R9GKCARE1W	
.d:DK	8	9	1	1	
.k:no grandchildren/greatgr	3474	3021	2431	2919	
.m:Missing	7		2	5	

.n:institutional iw	12	10	15	9	
.p:proxy	614	597	463	545	
.r:Refuse	20	11	14	7	
0.no	6033	5657	5235	4969	
1.yes	433	361	284	281	
Value-----	S1GKCARE1W	S2GKCARE1W	S3GKCARE1W	S4GKCARE1W	S5GKCARE1W
.d:DK	4		1	1	5
.k:no grandchildren/greatgr	3052	2074	2455	2654	2175
.m:Missing		1	1		
.p:proxy	122	30	56	134	165
.r:Refuse	3			3	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4548	3953	3770	4518	4515
1.yes	341	120	101	92	102
Value-----	S6GKCARE1W	S7GKCARE1W	S8GKCARE1W	S9GKCARE1W	
.d:DK	7	8	1		
.k:no grandchildren/greatgr	2345	2022	1591	1890	
.m:Missing	4		2	4	
.p:proxy	494	484	375	459	
.r:Refuse	13	10	9	4	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	4050	3754	3496	3261	
1.yes	329	282	214	202	
Value-----	R1GRCARE1W	R2GRCARE1W	R3GRCARE1W	R4GRCARE1W	R5GRCARE1W
.d:DK	9		1	2	9
.m:Missing		2	4		1
.p:proxy	175	1	9	17	29
.r:Refuse	4			11	5
0.no	11224	9028	9341	10612	9850
1.yes	687	401	411	408	380
Value-----	R6GRCARE1W	R7GRCARE1W	R8GRCARE1W	R9GRCARE1W	
.d:DK	13	11	2	3	
.m:Missing	13		3	8	
.n:institutional iw	12	10	15	9	
.p:proxy	614	597	463	545	
.r:Refuse	25	24	20	8	
0.no	9313	8527	7504	7683	
1.yes	611	497	438	480	
Value-----	S1GRCARE1W	S2GRCARE1W	S3GRCARE1W	S4GRCARE1W	S5GRCARE1W
.d:DK	5		1	2	6
.m:Missing		1	3		
.p:proxy	122	1	8	17	29
.r:Refuse	3			7	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	7460	5887	6071	7090	6643
1.yes	480	289	301	286	284
Value-----	S6GRCARE1W	S7GRCARE1W	S8GRCARE1W	S9GRCARE1W	
.d:DK	10	9	2	2	
.m:Missing	7		3	7	
.p:proxy	494	484	375	459	
.r:Refuse	15	19	15	5	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6269	5697	4977	5018	
1.yes	447	351	316	329	
Value-----	R1GFCARE1W	R2GFCARE1W	R3GFCARE1W	R4GFCARE1W	R5GFCARE1W
.d:DK	9		1	2	9
.m:Missing		2	4		1
.p:proxy	175	1	9	17	29
.r:Refuse	4			11	5
0.no	11642	9284	9598	10859	10059

1.yes	269	145	154	161	171
Value-----	R6GFCARE1W	R7GFCARE1W	R8GFCARE1W	R9GFCARE1W	
.d:DK	13	11	2	3	
.m:Missing	13		3	8	
.n:institutional ivw	12	10	15	9	
.p:proxy	614	597	463	545	
.r:Refuse	25	24	20	8	
0.no	9624	8761	7722	7929	
1.yes	300	263	220	234	
Value-----	S1GFCARE1W	S2GFCARE1W	S3GFCARE1W	S4GFCARE1W	S5GFCARE1W
.d:DK	5		1	2	6
.m:Missing		1	3		
.p:proxy	122	1	8	17	29
.r:Refuse	3			7	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	7788	6093	6285	7273	6814
1.yes	152	83	87	103	113
Value-----	S6GFCARE1W	S7GFCARE1W	S8GFCARE1W	S9GFCARE1W	
.d:DK	10	9	2	2	
.m:Missing	7		3	7	
.p:proxy	494	484	375	459	
.r:Refuse	15	19	15	5	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6533	5881	5164	5201	
1.yes	183	167	129	146	

## How Constructed

The following variables indicate whether the respondent provided any informal care to a person of the specified relationship in the last week, and the number of people the respondent cared for within that relationship category. In the effort and reward module (social participation module in Wave 1), if the respondent reports looking after anyone in the past week, they are asked for the relationships of all the people they care for in the last week. They are assigned special missing .p if the questions were not asked because the interview was completed by proxy. Starting in Wave 6, they are assigned special missing .n if the questions were not asked because the respondent resided in a nursing home. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to blank missing (.) if the respondent did not participate in the current wave.

RwGSCARE1W indicates whether the respondent provided care for their spouse or partner in the past week. RwGSCARE1W is assigned a 0 if the respondent is married or partnered and reports not caring for anyone or caring for someone in the past week but that did not include their spouse, and is assigned a 1 if the respondent reports caring for their spouse. RwGSCARE1W is assigned special missing .s if the respondent was not married or partnered.

RwGCCARE1W indicates whether the respondent provided care for their children in the past week. RwGCCARE1W is assigned a 0 if the respondent has children and reports not caring for anyone or caring for someone in the past week but that did not include their children, and is assigned a 1 if the respondent reports caring for their children. Starting in Wave 2, RwGCCARE1W indicates the number of children the respondent cared for. RwGCCARE1W is assigned a value of 0 if the respondent did not care for any children. RwGCCARE1W and RwGCCARE1W are assigned special missing .c if the respondent has no living children.

RwGKCARE1W indicates whether the respondent provided care for their grandchildren in the past week. RwGKCARE1W is assigned a 0 if the respondent has grandchildren and reports not caring for anyone or caring for someone in the past week but that did not include their grandchildren, and is assigned a 1 if the respondent reports caring for their grandchildren. Starting in Wave 2, RwGKCARE1W indicates the number of grandchildren the respondent cared for. RwGKCARE1W is assigned a value of 0 if the respondent did not care for any grandchildren. RwGKCARE1W and RwGKCARE1W are assigned special missing .k if the respondent has no living grandchildren.

RwGRCARE1W indicates whether the respondent provided care for their relatives, including parent, parent-in-law, or other relative, in the past week. RwGRCARE1W is assigned a 0 if the respondent reports not caring for anyone or caring for someone in the past week but that did not include their parent, parent-in-law, or other relative, and is assigned a 1 if the respondent reports caring for their parent, parent-in-law, or other relative. Starting in Wave 2, RwGRCAREN1W indicates the number of relatives the respondent cared for. RwGRCAREN1W is assigned a value of 0 if the respondent did not care for any relatives.

RwGFCARE1W indicates whether the respondent provided care for non-relatives, including their friend or neighbor, or another person, in the past week. RwGFCARE1W is assigned a 0 if the respondent reports not caring for anyone or caring for someone in the past week but that did not include their friend or neighbor, or another person, and is assigned a 1 if the respondent reports caring for their friend or neighbor, or another person. Starting in Wave 2, RwGFCAREN1W indicates the number of non-relatives the respondent cared for. RwGFCAREN1W is assigned a value of 1 if the respondent did not care for any non-relatives.

SwGSCARE1W, SwGCCARE1W, SwGKCARE1W, SwGRCARE1W, and SwGFCARE1W indicate whether the respondent's current wave's spouse provided any informal care to a person of the specified relationship in the past week, and their values are taken from RwGSCARE1W, RwGCCARE1W, RwGKCARE1W, RwGRCARE1W, and RwGFCARE1W. SwwGCCAREN1W, SwGKCAREN1W, SwGRCAREN1W, and SwGFCAREN1W indicate the number of people of the specified relationship the respondent's current wave's spouse provided informal care to in the past week, and their values are taken from RwGCCAREN1W, RwGKCAREN1W, RwGRCAREN1W, and RwGFCAREN1W. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

In Wave 1, whether the respondent provided any informal care (looked after anyone) in the past week is asked in the social participation module; moreover, there is no leading question as a requirement to restrict if the respondent is asked the question, except that the questions are not asked to proxy interviews. However, starting in Wave 2, whether the respondent provided any informal care (looked after anyone) in the past week is asked in the effort and reward module. In Waves 2 to 5, the respondent is only asked the question of providing any informal care (looking after anyone) in the past week if the respondent reported that they "cared for someone" in response to the question: "Did you do any of these activities during the last month?". However, there is no such requirement starting in Wave 6. Starting in Wave 6, these questions are not asked to respondents living in a nursing home at the time of the interview.

The number of people the respondent provides informal care to per relationship category is available starting in Wave 2.

## Differences with the RAND HRS/Harmonized HRS

While the HRS asks how often the respondent cares for a sick or disabled adult in the leave behind questionnaire, it does not ask the relationship of the person the respondent provides care to. However, the HRS does ask whether the respondent and his/her spouse spent 100 or more hours taking care of grandchildren or great grandchildren in the last two years, and whether the respondent and his/her spouse spent 100 or more hours helping parents with personal needs or errands and the Harmonized HRS includes these questions in the variables HwGKCARE and HwGPCARE, respectively. The RAND HRS FAMILY file also includes HwKDCAREKN indicating the number of children using the respondent and his/her spouse for child care, RwPPCR indicating which parent(s) the respondent provides personal care to, RwPERD indicating which parent(s) the respondent provides help with errands to, and variables indicating the number of hours the respondent provided care to the respondent's parents and the respondent's spouse's parents.

## ELSA Variables Used

Wave 1 Core:

ASKPX1	whether interviewed by proxy
ASKPX1	whether interviewed by proxy
SPCAA	did you look after anyone in the past week (including yo



SPCAB1 what relation is this person or people to you?  
 SPCAB2 what relation is this person or people to you?  
 SPCAB3 what relation is this person or people to you?  
 SPCAB4 what relation is this person or people to you?  
 WPACT1 did you do any of these activities during the last month  
 WPACT2 did you do any of these activities during the last month  
 WPACT3 did you do any of these activities during the last month  
 WPACT4 did you do any of these activities during the last month  
 WPACT5 did you do any of these activities during the last month  
 WPACT6 did you do any of these activities during the last month

## Wave 2 Core:

ASKPX1 Whether interviewed by proxy  
 ERCAA Whether respondent looked after anyone in the past week  
 ERCAM01 Relationship to the person(s) looked after last week (1s  
 ERCAM02 Relationship to the person(s) looked after last week (2n  
 ERCAM03 Relationship to the person(s) looked after last week (3r  
 ERCAM04 Relationship to the person(s) looked after last week (4t  
 ERCAM05 Relationship to the person(s) looked after last week (5t  
 WPACT1 Activities during the last month (1st mention)  
 WPACT2 Activities during the last month (2nd mention)  
 WPACT3 Activities during the last month (3rd mention)  
 WPACT4 Activities during the last month (4th mention)  
 WPACT5 Activities during the last month (5th mention)  
 WPACT6 Activities during the last month (6th mention)

## Wave 3 Core:

ASKPX whether respondent had a proxy interview  
 ERCAA whether looked after anyone in the past week  
 ERCAM85 looked after someone else not codeable to other response  
 ERCAM86 who looked after - irrelevant response (merged)  
 ERCAMCH looked after her/his child (merged)  
 ERCAMFR looked after her/his friend or neighbour (merged)  
 ERCAMGC looked after her/his grandchild (merged)  
 ERCAMOR looked after another relative (merged)  
 ERCAMOT looked after some other person (merged)  
 ERCAMPA looked after her/his parent (merged)  
 ERCAMPL looked after her/his parent in law (merged)  
 ERCAMSP looked after her/his spouse/partner (merged)  
 ERCANCH number of children looked after in past week  
 ERCANFR number of friends/neighbours looked after in past week  
 ERCANGC number of grandchildren looked after in past week  
 ERCANOR number of other relatives looked after in past week  
 ERCANOT number of other people looked after in past week  
 ERCANPA number of parents looked after in past week  
 ERCANPL number of parents-in-law looked after in past week  
 ERCANSP number of spouses/partners looked after in past week  
 WPACT96 activities during last month: none of these  
 WPACTCA activities during last month: cared for someone

## Wave 4 Core:

ASKPX whether respondent had an interview by proxy  
 ERCAA whether looked after anyone in the past week  
 ERCAM85 looked after someone else not codeable to other response  
 ERCAM86 who looked after - irrelevant response (merged)  
 ERCAMCH looked after her/his child (merged)  
 ERCAMFR looked after her/his friend or neighbour (merged)  
 ERCAMGC looked after her/his grandchild (merged)  
 ERCAMOR looked after another relative (merged)  
 ERCAMPA looked after her/his parent (merged)  
 ERCAMPL looked after her/his parent in law (merged)  
 ERCAMSP looked after her/his spouse/partner (merged)  
 ERCANCH number of children looked after in past week  
 ERCANFR number of friends/neighbours looked after in past week  
 ERCANGC number of grandchildren looked after in past week  
 ERCANOR number of other relatives looked after in past week

ERCANOT	number of other people looked after in past week
ERCANPA	number of parents looked after in past week
ERCANPL	number of parents-in-law looked after in past week
ERCANSP	number of spouses/partners looked after in past week
WPACT96	activities during last month: none of these
WPACTCA	activities during last month: cared for someone
Wave 5 Core:	
ASKPX	Whether respondent had an interview by proxy
ERCAA	Whether looked after anyone in the past week
ERCAM85	Looked after someone else not codeable to other response
ERCAM86	Who looked after - irrelevant response (merged)
ERCAMCH	Looked after her/his child (merged)
ERCAMFR	Looked after her/his friend or neighbour (merged)
ERCAMGC	Looked after her/his grandchild (merged)
ERCAMOR	Looked after another relative (merged)
ERCAMPA	Looked after her/his parent (merged)
ERCAMPL	Looked after her/his parent in law (merged)
ERCAMSP	Looked after her/his spouse/partner (merged)
ERCANCH	Number of children looked after in past week
ERCANFR	Number of friends/neighbours looked after in past week
ERCANGC	Number of grandchildren looked after in past week
ERCANOR	Number of other relatives looked after in past week
ERCANOT	Number of other people looked after in past week
ERCANPA	Number of parents looked after in past week
ERCANPL	Number of parents-in-law looked after in past week
ERCANSP	Number of spouses/partners looked after in past week
WPACT96	Activities during last month: none of these
WPACTCA	Activities during last month: cared for someone
Wave 6 Core:	
ASKINST	whether respondent had an institutional interview
ASKPX	whether respondent had an interview by proxy
ERCAA	whether looked after anyone in the past week
ERCAM85	looked after someone else not codeable to other response
ERCAM86	who looked after - irrelevant response (merged)
ERCAMCH	looked after her/his child (merged)
ERCAMFR	looked after her/his friend or neighbour (merged)
ERCAMGC	looked after her/his grandchild (merged)
ERCAMOR	looked after another relative (merged)
ERCAMPA	looked after her/his parent (merged)
ERCAMPL	looked after her/his parent in law (merged)
ERCAMSP	looked after her/his spouse/partner (merged)
WPACT96	activities during last month: none of these
WPACTCA	activities during last month: cared for someone
WPACTLO	activities during last month: looked after home or famil
Wave 7 Core:	
ASKINST	whether respondent had an institutional interview
ASKPX	whether respondent had an interview by proxy
ERCAA	whether looked after anyone in the past week
ERCAM85	looked after someone else not codeable to other response
ERCAM86	who looked after - irrelevant response (merged)
ERCAMCH	looked after her/his child (merged)
ERCAMFR	looked after her/his friend or neighbour (merged)
ERCAMGC	looked after her/his grandchild (merged)
ERCAMOR	looked after another relative (merged)
ERCAMPA	looked after her/his parent (merged)
ERCAMPL	looked after her/his parent in law (merged)
ERCAMSP	looked after her/his spouse/partner (merged)
WPACT96	activities during last month: none of these
WPACTCA	activities during last month: cared for someone
WPACTLO	activities during last month: looked after home or famil
Wave 8 Core:	
ASKINST	computed: whether respondent had an institutional interv
ASKPX	computed: whether respondent had an interview by proxy

ERCAA	whether looked after anyone in the past week
ERCAM85	who looked after: someone else - not codeable (merged)
ERCAM86	who looked after: irrelevant response - not codeable (me
ERCAMCH	who looked after: her/his child (merged)
ERCAMFR	who looked after: her/his friend or neighbour (merged)
ERCAMGC	who looked after: her/his grandchild (merged)
ERCAMOR	who looked after: another relative (merged)
ERCAMPA	who looked after: her/his parent (merged)
ERCAMPL	who looked after: her/his parent in law (merged)
ERCAMSP	who looked after: her/his spouse/partner (merged)
WPACT96	activities during last month: none of these
WPACTCA	activities during last month: cared for someone
WPACTLO	activities during last month: looked after home or famil
Wave 9 Core:	
ASKINST	Computed: whether respondent had an institutional interv
ASKPX	Computed: whether respondent had an interview by proxy
ERCAA	Whether looked after anyone in the past week
ERCAM85	Who looked after: someone else - not codeable (merged)
ERCAM86	Who looked after: irrelevant response - not codeable (me
ERCAMCH	Who looked after: her/his child (merged)
ERCAMFR	Who looked after: her/his friend or neighbour (merged)
ERCAMGC	Who looked after: her/his grandchild (merged)
ERCAMOR	Who looked after: another relative (merged)
ERCAMPA	Who looked after: her/his parent (merged)
ERCAMPL	Who looked after: her/his parent in law (merged)
ERCAMSP	Who looked after: her/his spouse/partner (merged)
WPACT96	Activities during last month: none of these
WPACTCA	Activities during last month: cared for someone
WPACTLO	Activities during last month: looked after home or famil

<b>Provides Care: Location and Duration of Care Provided</b>
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Wave	Variable	Label	Type
2	R2GCAREINHH1W	r2gcareinhhlw:w2 r provided care to someone in hhold last we	Cont
3	R3GCAREINHH1W	r3gcareinhhlw:w3 r provided care to someone in hhold last we	Cont
4	R4GCAREINHH1W	r4gcareinhhlw:w4 r provided care to someone in hhold last we	Cont
5	R5GCAREINHH1W	r5gcareinhhlw:w5 r provided care to someone in hhold last we	Cont
6	R6GCAREINHH1W	r6gcareinhhlw:w6 r provided care to someone in hhold last we	Cont
7	R7GCAREINHH1W	r7gcareinhhlw:w7 r provided care to someone in hhold last we	Cont
8	R8GCAREINHH1W	r8gcareinhhlw:w8 r provided care to someone in hhold last we	Cont
9	R9GCAREINHH1W	r9gcareinhhlw:w9 r provided care to someone in hhold last we	Cont
2	S2GCAREINHH1W	s2gcareinhhlw:w2 s provided care to someone in hhold last we	Cont
3	S3GCAREINHH1W	s3gcareinhhlw:w3 s provided care to someone in hhold last we	Cont
4	S4GCAREINHH1W	s4gcareinhhlw:w4 s provided care to someone in hhold last we	Cont
5	S5GCAREINHH1W	s5gcareinhhlw:w5 s provided care to someone in hhold last we	Cont
6	S6GCAREINHH1W	s6gcareinhhlw:w6 s provided care to someone in hhold last we	Cont
7	S7GCAREINHH1W	s7gcareinhhlw:w7 s provided care to someone in hhold last we	Cont
8	S8GCAREINHH1W	s8gcareinhhlw:w8 s provided care to someone in hhold last we	Cont
9	S9GCAREINHH1W	s9gcareinhhlw:w9 s provided care to someone in hhold last we	Cont
2	R2GCAREHPW	r2gcarehwp:w2 # hours r provided care last week	Cont
3	R3GCAREHPW	r3gcarehwp:w3 # hours r provided care last week	Cont
4	R4GCAREHPW	r4gcarehwp:w4 # hours r provided care last week	Cont
5	R5GCAREHPW	r5gcarehwp:w5 # hours r provided care last week	Cont
6	R6GCAREHPW	r6gcarehwp:w6 # hours r provided care last week	Cont
7	R7GCAREHPW	r7gcarehwp:w7 # hours r provided care last week	Cont
8	R8GCAREHPW	r8gcarehwp:w8 # hours r provided care last week	Cont
9	R9GCAREHPW	r9gcarehwp:w9 # hours r provided care last week	Cont
2	S2GCAREHPW	s2gcarehwp:w2 # hours s provided care last week	Cont
3	S3GCAREHPW	s3gcarehwp:w3 # hours s provided care last week	Cont
4	S4GCAREHPW	s4gcarehwp:w4 # hours s provided care last week	Cont
5	S5GCAREHPW	s5gcarehwp:w5 # hours s provided care last week	Cont
6	S6GCAREHPW	s6gcarehwp:w6 # hours s provided care last week	Cont
7	S7GCAREHPW	s7gcarehwp:w7 # hours s provided care last week	Cont
8	S8GCAREHPW	s8gcarehwp:w8 # hours s provided care last week	Cont
9	S9GCAREHPW	s9gcarehwp:w9 # hours s provided care last week	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2GCAREINHH1W	9430	0.05	0.21	0.00	1.00
R3GCAREINHH1W	9752	0.04	0.20	0.00	1.00
R4GCAREINHH1W	11019	0.04	0.19	0.00	1.00
R5GCAREINHH1W	10230	0.04	0.21	0.00	1.00
R6GCAREINHH1W	9923	0.09	0.28	0.00	1.00
R7GCAREINHH1W	9023	0.08	0.27	0.00	1.00
R8GCAREINHH1W	7942	0.09	0.28	0.00	1.00
R9GCAREINHH1W	8160	0.08	0.28	0.00	1.00
S2GCAREINHH1W	6176	0.06	0.24	0.00	1.00
S3GCAREINHH1W	6372	0.06	0.23	0.00	1.00
S4GCAREINHH1W	7376	0.05	0.22	0.00	1.00
S5GCAREINHH1W	6927	0.06	0.23	0.00	1.00
S6GCAREINHH1W	6715	0.11	0.32	0.00	1.00
S7GCAREINHH1W	6048	0.10	0.30	0.00	1.00
S8GCAREINHH1W	5293	0.11	0.32	0.00	1.00
S9GCAREINHH1W	5345	0.11	0.32	0.00	1.00

R2GCAREHPW	9427	5.57	26.98	0.00	168.00
R3GCAREHPW	9740	5.03	25.49	0.00	168.00
R4GCAREHPW	11005	5.00	25.90	0.00	168.00
R5GCAREHPW	10216	5.68	27.99	0.00	168.00
R6GCAREHPW	9897	8.54	32.12	0.00	168.00
R7GCAREHPW	9002	7.77	30.80	0.00	168.00
R8GCAREHPW	7931	7.75	30.23	0.00	168.00
R9GCAREHPW	8142	7.98	31.28	0.00	168.00
S2GCAREHPW	6174	6.98	30.39	0.00	168.00
S3GCAREHPW	6363	6.44	29.23	0.00	168.00
S4GCAREHPW	7362	6.03	28.67	0.00	168.00
S5GCAREHPW	6915	6.92	31.01	0.00	168.00
S6GCAREHPW	6690	10.55	35.75	0.00	168.00
S7GCAREHPW	6031	9.54	34.15	0.00	168.00
S8GCAREHPW	5282	9.43	33.32	0.00	168.00
S9GCAREHPW	5330	9.95	35.12	0.00	168.00

### Categorical Variable Codes

Value-----	R2GCAREINHH1W	R3GCAREINHH1W	R4GCAREINHH1W	R5GCAREINHH1W
.d:DK		1	3	9
.m:Missing		4		1
.p:proxy	1	9	17	29
.r:Refuse	1		11	5
0.no	9000	9350	10584	9774
1.yes	430	402	435	456

Value-----	R6GCAREINHH1W	R7GCAREINHH1W	R8GCAREINHH1W	R9GCAREINHH1W
.d:DK	13	11	2	3
.m:Missing	14	1	3	11
.n:institutional ivw	12	10	15	9
.p:proxy	614	597	463	545
.r:Refuse	25	24	20	8
0.no	9068	8330	7258	7480
1.yes	855	693	684	680

Value-----	S2GCAREINHH1W	S3GCAREINHH1W	S4GCAREINHH1W	S5GCAREINHH1W
.d:DK		1	2	6
.m:Missing		3		
.p:proxy	1	8	17	29
.r:Refuse	1		7	2
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
0.no	5795	6020	7004	6526
1.yes	381	352	372	401

Value-----	S6GCAREINHH1W	S7GCAREINHH1W	S8GCAREINHH1W	S9GCAREINHH1W
.d:DK	10	9	2	2
.m:Missing	8		3	9
.p:proxy	494	484	375	459
.r:Refuse	15	19	15	5
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	5955	5433	4690	4745
1.yes	760	615	603	600

### How Constructed

RwGCAREINHH1W indicates whether the respondent lives with someone they provide care for in the past week. In the effort and reward module (social participation module in Wave 1), if the respondent reports looking after anyone in the past week, they are asked if any of the people they cared for live with them. RwGCAREINHH1W is assigned a 0 if the respondent did not provide care for anyone in the past week or if they do not live with any person they care for, and is assigned a 1 if they do live with a person they cared for in the past week. RwGCAREINHH1W is assigned special missing .p if the question was not asked

because the interview was by proxy. Starting in Wave 6, RwgCAREINHH1W is assigned special missing .n if the question was not asked because the respondent was living in a nursing home at the time of the interview. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwgCAREINHH1W is set to blank missing (.) if the respondent did not participate in the current wave.

RwgCAREHPW indicates the number of hours the respondent spent caring for people in the past week. In the effort and reward module (social participation module in Wave 1), if the respondent reports looking after anyone in the past week, they are asked how many hours they spent caring for others in the past week. RwgCAREHPW is assigned a value of 0 if the respondent did not provide care to anyone in the past week. RwgCAREHPW is assigned special missing .p if the question was not asked because the interview was by proxy. Starting in Wave 6, RwgCAREHPW is assigned special missing .n if the question was not asked because the respondent was living in a nursing home at the time of the interview. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwgCAREHPW is set to blank missing (.) if the respondent did not participate in the current wave.

SwGCAREINHH1W and SwGCAREHPW indicate whether the respondent's current wave's spouse lives with someone they provided care for in the past week, and the number of hours the respondent's current wave's spouse spent caring for people in the past week, and their values are taken from RwgCAREINHH1W and RwgCAREHPW. In addition to the special missing codes used in RwgCAREINHH1W and RwgCAREHPW, SwGCAREINHH1W and SwGCAREHPW employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

These questions are asked starting in Wave 2.

In Waves 3 to 5, the respondent is only asked the question of providing any informal care (looking after anyone) in the past week if the respondent reported that they "cared for someone" in response to the question: "Did you do any of these activities during the last month?". However, there is no such requirement starting in Wave 6. Starting in Wave 6, the respondent is not asked these questions if they are living in a nursing home.

## Differences with the RAND HRS/Harmonized HRS

These questions are not asked in the HRS.

## ELSA Variables Used

### Wave 2 Core:

ERCAA	Whether respondent looked after anyone in the past week
ERCAC	Hours spent by the respondent in the last week looking a
ERCALIV	Whether he/she lives with the person(s) he/she cares for
ERTOTCN	Total number of people respondent looked after in past
WPACT1	Activities during the last month (1st mention)
WPACT2	Activities during the last month (2nd mention)
WPACT3	Activities during the last month (3rd mention)
WPACT4	Activities during the last month (4th mention)
WPACT5	Activities during the last month (5th mention)
WPACT6	Activities during the last month (6th mention)

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
ERCAA	whether looked after anyone in the past week
ERCAC	hours spent looking after other people last week
ERCAC	hours spent looking after other people last week
ERCALIVE	whether lives with the person(s) he/she cared for
ERCANTT	total number of people looked after in past week
WPACTCA	activities during last month: cared for someone

### Wave 4 Core:

ASKPX	whether respondent had an interview by proxy
ERCAA	whether looked after anyone in the past week

ERCAC	hours spent looking after other people last week
ERCALIVE	whether lives with the person(s) he/she cared for
ERCANTT	total number of people looked after in past week
WPACTCA	activities during last month: cared for someone
Wave 5 Core:	
ASKPX	Whether respondent had an interview by proxy
ERCAA	Whether looked after anyone in the past week
ERCAC	Hours spent looking after other people last week
ERCALIVE	Whether lives with the person(s) he/she cared for
ERCANTT	Total number of people looked after in past week
WPACTCA	Activities during last month: cared for someone
Wave 6 Core:	
ASKPX	whether respondent had an interview by proxy
ERCAA	whether looked after anyone in the past week
ERCAC	hours spent looking after other people last week
ERCALIVE	whether lives with the person(s) he/she cared for
WPACTCA	activities during last month: cared for someone
Wave 7 Core:	
ASKPX	whether respondent had an interview by proxy
ERCAA	whether looked after anyone in the past week
ERCAC	hours spent looking after other people last week
ERCALIVE	whether lives with the person(s) he/she cared for
WPACTCA	activities during last month: cared for someone
Wave 8 Core:	
ASKPX	computed: whether respondent had an interview by proxy
ERCAA	whether looked after anyone in the past week
ERCAC	hours spent looking after other people last week
ERCALIVE	whether lives with the person(s) he/she cared for
WPACTCA	activities during last month: cared for someone
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy
ERCAA	Whether looked after anyone in the past week
ERCAC	Hours spent looking after other people last week
ERCALIVE	Whether lives with the person(s) he/she cared for
WPACTCA	Activities during last month: cared for someone

<b>Provides Care: Reasons for Providing Care</b>
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Wave	Variable	Label	Type
2	R2GCARECON	r2gcarecon:w2 r provides care to contribute/achieve	Categ
3	R3GCARECON	r3gcarecon:w3 r provides care to contribute/achieve	Categ
4	R4GCARECON	r4gcarecon:w4 r provides care to contribute/achieve	Categ
2	S2GCARECON	s2gcarecon:w2 s provides care to contribute/achieve	Categ
3	S3GCARECON	s3gcarecon:w3 s provides care to contribute/achieve	Categ
4	S4GCARECON	s4gcarecon:w4 s provides care to contribute/achieve	Categ
2	R2GCARESOC	r2gcaresoc:w2 r provides care to socialize/enjoy	Categ
3	R3GCARESOC	r3gcaresoc:w3 r provides care to socialize/enjoy	Categ
4	R4GCARESOC	r4gcaresoc:w4 r provides care to socialize/enjoy	Categ
2	S2GCARESOC	s2gcaresoc:w2 s provides care to socialize/enjoy	Categ
3	S3GCARESOC	s3gcaresoc:w3 s provides care to socialize/enjoy	Categ
4	S4GCARESOC	s4gcaresoc:w4 s provides care to socialize/enjoy	Categ
2	R2GCARENDD	r2gcarendd:w2 r provides care because needed/obligated	Categ
3	R3GCARENDD	r3gcarendd:w3 r provides care because needed/obligated	Categ
4	R4GCARENDD	r4gcarendd:w4 r provides care because needed/obligated	Categ
2	S2GCARENDD	s2gcarendd:w2 s provides care because needed/obligated	Categ
3	S3GCARENDD	s3gcarendd:w3 s provides care because needed/obligated	Categ
4	S4GCARENDD	s4gcarendd:w4 s provides care because needed/obligated	Categ
2	R2GCAREMON	r2gcaremon:w2 r provides care to earn money	Categ
3	R3GCAREMON	r3gcaremon:w3 r provides care to earn money	Categ
4	R4GCAREMON	r4gcaremon:w4 r provides care to earn money	Categ
2	S2GCAREMON	s2gcaremon:w2 s provides care to earn money	Categ
3	S3GCAREMON	s3gcaremon:w3 s provides care to earn money	Categ
4	S4GCAREMON	s4gcaremon:w4 s provides care to earn money	Categ
2	R2GCAREOTH	r2gcareoth:w2 r provides care for other reason	Categ
3	R3GCAREOTH	r3gcareoth:w3 r provides care for other reason	Categ
4	R4GCAREOTH	r4gcareoth:w4 r provides care for other reason	Categ
2	S2GCAREOTH	s2gcareoth:w2 s provides care for other reason	Categ
3	S3GCAREOTH	s3gcareoth:w3 s provides care for other reason	Categ
4	S4GCAREOTH	s4gcareoth:w4 s provides care for other reason	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2GCARECON	1035	0.28	0.45	0.00	1.00
R3GCARECON	1000	0.24	0.43	0.00	1.00
R4GCARECON	999	0.24	0.43	0.00	1.00
S2GCARECON	802	0.27	0.45	0.00	1.00
S3GCARECON	763	0.23	0.42	0.00	1.00
S4GCARECON	758	0.25	0.43	0.00	1.00
R2GCARESOC	1035	0.39	0.49	0.00	1.00
R3GCARESOC	1000	0.37	0.48	0.00	1.00
R4GCARESOC	999	0.30	0.46	0.00	1.00
S2GCARESOC	802	0.35	0.48	0.00	1.00



S3GCARESOC	763	0.37	0.48	0.00	1.00
S4GCARESOC	758	0.31	0.46	0.00	1.00
R2GCARENDD	1035	0.84	0.36	0.00	1.00
R3GCARENDD	1000	0.86	0.35	0.00	1.00
R4GCARENDD	999	0.88	0.33	0.00	1.00
S2GCARENDD	802	0.85	0.36	0.00	1.00
S3GCARENDD	763	0.87	0.34	0.00	1.00
S4GCARENDD	758	0.88	0.32	0.00	1.00
R2GCAREMON	1035	0.01	0.08	0.00	1.00
R3GCAREMON	1000	0.01	0.10	0.00	1.00
R4GCAREMON	999	0.03	0.18	0.00	1.00
S2GCAREMON	802	0.00	0.07	0.00	1.00
S3GCAREMON	763	0.01	0.09	0.00	1.00
S4GCAREMON	758	0.04	0.19	0.00	1.00
R2GCAREOTH	1035	0.08	0.28	0.00	1.00
R3GCAREOTH	1000	0.08	0.27	0.00	1.00
R4GCAREOTH	999	0.12	0.33	0.00	1.00
S2GCAREOTH	802	0.09	0.28	0.00	1.00
S3GCAREOTH	763	0.07	0.26	0.00	1.00
S4GCAREOTH	758	0.13	0.33	0.00	1.00

**Categorical Variable Codes**

Value-----	R2GCARECON	R3GCARECON	R4GCARECON
.d:DK		1	2
.h:no help given	8395	8752	10021
.m:Missing		4	
.p:proxy	1	9	17
.r:Refuse	1		11
0.no	744	760	756
1.yes	291	240	243

Value-----	S2GCARECON	S3GCARECON	S4GCARECON
.d:DK		1	2
.h:no help given	5374	5609	6618
.m:Missing		3	
.p:proxy	1	8	17
.r:Refuse	1		7
.u:Unmar	2671	2706	2932
.v:SP NR	583	676	716
0.no	584	588	569
1.yes	218	175	189

Value-----	R2GCARESOC	R3GCARESOC	R4GCARESOC
.d:DK		1	2
.h:no help given	8395	8752	10021
.m:Missing		4	
.p:proxy	1	9	17
.r:Refuse	1		11
0.no	632	626	696
1.yes	403	374	303

Value-----	S2GCARESOC	S3GCARESOC	S4GCARESOC
.d:DK		1	2
.h:no help given	5374	5609	6618
.m:Missing		3	
.p:proxy	1	8	17
.r:Refuse	1		7
.u:Unmar	2671	2706	2932
.v:SP NR	583	676	716

0.no	518	484	520
1.yes	284	279	238
Value-----	R2GCARENDD	R3GCARENDD	R4GCARENDD
.d:DK		1	2
.h:no help given	8395	8752	10021
.m:Missing		4	
.p:proxy	1	9	17
.r:Refuse	1		11
0.no	162	139	122
1.yes	873	861	877
Value-----	S2GCARENDD	S3GCARENDD	S4GCARENDD
.d:DK		1	2
.h:no help given	5374	5609	6618
.m:Missing		3	
.p:proxy	1	8	17
.r:Refuse	1		7
.u:Unmar	2671	2706	2932
.v:SP NR	583	676	716
0.no	122	100	90
1.yes	680	663	668
Value-----	R2GCAREMON	R3GCAREMON	R4GCAREMON
.d:DK		1	2
.h:no help given	8395	8752	10021
.m:Missing		4	
.p:proxy	1	9	17
.r:Refuse	1		11
0.no	1029	990	967
1.yes	6	10	32
Value-----	S2GCAREMON	S3GCAREMON	S4GCAREMON
.d:DK		1	2
.h:no help given	5374	5609	6618
.m:Missing		3	
.p:proxy	1	8	17
.r:Refuse	1		7
.u:Unmar	2671	2706	2932
.v:SP NR	583	676	716
0.no	798	757	730
1.yes	4	6	28
Value-----	R2GCAREOTH	R3GCAREOTH	R4GCAREOTH
.d:DK		1	2
.h:no help given	8395	8752	10021
.m:Missing		4	
.p:proxy	1	9	17
.r:Refuse	1		11
0.no	949	923	875
1.yes	86	77	124
Value-----	S2GCAREOTH	S3GCAREOTH	S4GCAREOTH
.d:DK		1	2
.h:no help given	5374	5609	6618
.m:Missing		3	
.p:proxy	1	8	17
.r:Refuse	1		7
.u:Unmar	2671	2706	2932
.v:SP NR	583	676	716
0.no	733	708	661
1.yes	69	55	97

## How Constructed

RwGCARECON, RwGCARESOC, RwGCARENDD, RwGCAREMON, and RwGCAREOTH indicate the reasons the respondent cared for someone in the last week. In the effort and reward module (social participation module in Wave 1), if the respondent reports looking after anyone in the past week, they are asked what reasons they cared for someone in the past week, and are asked to report all their reasons for providing care. RwGCARECON indicates whether the respondent provides care to contribute something useful, for personal achievement,

or to use their skills. RwgCARESOC indicates whether the respondent provides care to meet other people or because they enjoy it. RwgCARENDD indicates whether the respondent provides care because they are needed or because they feel obliged to do it. RwgCAREMON indicates whether the respondent provides care to earn money. RwgCAREOTH indicates whether the respondent provides care to keep fit or for none of the listed reasons. RwgCARECON, RwgCARESOC, RwgCARENDD, RwgCAREMON, and RwgCAREOTH are assigned a 0 if the respondent did not mention the specific reason as one of the reasons they provide care, and are assigned a 1 if the respondent did mention the specific reason as one of the reasons they provide care. These variables are available in Waves 2, 3, and 4. These variables are assigned special missing .h if the respondent does not provide care to anyone. They are assigned special missing .p if the questions were not asked because the interview was completed by proxy. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. These variables are set to blank missing (.) if the respondent did not participate in the current wave.

SwGCARECON, SwGCARESOC, SwGCARENDD, SwGCAREMON, and SwGCAREOTH indicate the reasons the respondent's current wave's spouse cared for someone in the last week, and their values are taken from RwgCARECON, RwgCARESOC, RwgCARENDD, RwgCAREMON, and RwgCAREOTH. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

These variables are not available for Wave 1, and starting again in Wave 5.

## Cross Wave Differences in ELSA

These questions are asked only in Waves 2 to 4.

## Differences with the RAND HRS/Harmonized HRS

These questions are not asked in the HRS.

## ELSA Variables Used

### Wave 2 Core:

ERCAA	Whether respondent looked after anyone in the past week
ERMOTC1	Reasons for caring for someone last week (1st mention)
ERMOTC2	Reasons for caring for someone last week (2nd mention)
ERMOTC3	Reasons for caring for someone last week (3rd mention)
ERMOTC4	Reasons for caring for someone last week (4th mention)
ERMOTC5	Reasons for caring for someone last week (5th mention)
ERMOTC6	Reasons for caring for someone last week (6th mention)
ERMOTC7	Reasons for caring for someone last week (7th mention)
WPACT1	Activities during the last month (1st mention)
WPACT2	Activities during the last month (2nd mention)
WPACT3	Activities during the last month (3rd mention)
WPACT4	Activities during the last month (4th mention)
WPACT5	Activities during the last month (5th mention)
WPACT6	Activities during the last month (6th mention)

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
ERCAA	whether looked after anyone in the past week
ERMOCAC	reasons for caring: for personal achievement
ERMOCFI	reasons for caring: to keep fit
ERMOCMO	reasons for caring: to earn money
ERMOCNE	reasons for caring: because i am needed
ERMOCNJ	reasons for caring: because i enjoy it
ERMOCOB	reasons for caring: because i feel obliged to do it
ERMOCOT	reasons for caring: other reasons than those given in er
ERMOCSE	reasons for caring: to use my skills
ERMOCSE	reasons for caring: to meet other people
ERMOCUS	reasons for caring: to contribute something useful
WPACTCA	activities during last month: cared for someone

## Wave 4 Core:

ASKPX	whether respondent had an interview by proxy
ERCAA	whether looked after anyone in the past week
ERMOCAC	reasons for caring: for personal achievement
ERMOCFI	reasons for caring: to keep fit
ERMOCMO	reasons for caring: to earn money
ERMOCNE	reasons for caring: because i am needed
ERMOCNJ	reasons for caring: because i enjoy it
ERMOCOB	reasons for caring: because i feel obliged to do it
ERMOCOT	reasons for caring: other reasons than those given in er
ERMOCCK	reasons for caring: to use my skills
ERMOCSS	reasons for caring: to meet other people
ERMOCUS	reasons for caring: to contribute something useful
WPACTCA	activities during last month: cared for someone

<b>Provides Care: Satisfaction with Caregiving</b>
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Wave	Variable	Label	Type
2	R2GCARESAT	r2gcaresat:w2 r satisfied with gains from caring	Categ
3	R3GCARESAT	r3gcaresat:w3 r satisfied with gains from caring	Categ
4	R4GCARESAT	r4gcaresat:w4 r satisfied with gains from caring	Categ
5	R5GCARESAT	r5gcaresat:w5 r satisfied with gains from caring	Categ
6	R6GCARESAT	r6gcaresat:w6 r satisfied with gains from caring	Categ
7	R7GCARESAT	r7gcaresat:w7 r satisfied with gains from caring	Categ
8	R8GCARESAT	r8gcaresat:w8 r satisfied with gains from caring	Categ
9	R9GCARESAT	r9gcaresat:w9 r satisfied with gains from caring	Categ
2	S2GCARESAT	s2gcaresat:w2 s satisfied with gains from caring	Categ
3	S3GCARESAT	s3gcaresat:w3 s satisfied with gains from caring	Categ
4	S4GCARESAT	s4gcaresat:w4 s satisfied with gains from caring	Categ
5	S5GCARESAT	s5gcaresat:w5 s satisfied with gains from caring	Categ
6	S6GCARESAT	s6gcaresat:w6 s satisfied with gains from caring	Categ
7	S7GCARESAT	s7gcaresat:w7 s satisfied with gains from caring	Categ
8	S8GCARESAT	s8gcaresat:w8 s satisfied with gains from caring	Categ
9	S9GCARESAT	s9gcaresat:w9 s satisfied with gains from caring	Categ
2	R2GCAREAPP	r2gcareapp:w2 r receives adequate appreciation for caring	Categ
3	R3GCAREAPP	r3gcareapp:w3 r receives adequate appreciation for caring	Categ
4	R4GCAREAPP	r4gcareapp:w4 r receives adequate appreciation for caring	Categ
5	R5GCAREAPP	r5gcareapp:w5 r receives adequate appreciation for caring	Categ
6	R6GCAREAPP	r6gcareapp:w6 r receives adequate appreciation for caring	Categ
7	R7GCAREAPP	r7gcareapp:w7 r receives adequate appreciation for caring	Categ
8	R8GCAREAPP	r8gcareapp:w8 r receives adequate appreciation for caring	Categ
9	R9GCAREAPP	r9gcareapp:w9 r receives adequate appreciation for caring	Categ
2	S2GCAREAPP	s2gcareapp:w2 s receives adequate appreciation for caring	Categ
3	S3GCAREAPP	s3gcareapp:w3 s receives adequate appreciation for caring	Categ
4	S4GCAREAPP	s4gcareapp:w4 s receives adequate appreciation for caring	Categ
5	S5GCAREAPP	s5gcareapp:w5 s receives adequate appreciation for caring	Categ
6	S6GCAREAPP	s6gcareapp:w6 s receives adequate appreciation for caring	Categ
7	S7GCAREAPP	s7gcareapp:w7 s receives adequate appreciation for caring	Categ
8	S8GCAREAPP	s8gcareapp:w8 s receives adequate appreciation for caring	Categ
9	S9GCAREAPP	s9gcareapp:w9 s receives adequate appreciation for caring	Categ

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R2GCARESAT	1299	1.69	0.62	1.00	4.00
R3GCARESAT	1230	1.67	0.63	1.00	4.00
R4GCARESAT	1322	1.67	0.58	1.00	4.00
R5GCARESAT	1319	1.66	0.59	1.00	4.00
R6GCARESAT	2725	1.64	0.58	1.00	4.00
R7GCARESAT	2442	1.64	0.59	1.00	4.00
R8GCARESAT	2107	1.61	0.57	1.00	4.00
R9GCARESAT	2242	1.60	0.59	1.00	4.00
S2GCARESAT	985	1.69	0.61	1.00	4.00
S3GCARESAT	925	1.66	0.64	1.00	4.00
S4GCARESAT	990	1.66	0.58	1.00	4.00
S5GCARESAT	1024	1.66	0.58	1.00	4.00
S6GCARESAT	2088	1.64	0.57	1.00	4.00
S7GCARESAT	1855	1.63	0.58	1.00	4.00
S8GCARESAT	1588	1.60	0.56	1.00	4.00
S9GCARESAT	1681	1.59	0.58	1.00	4.00

R2GCAREAPP	1314	1.74	0.72	1.00	4.00
R3GCAREAPP	1241	1.74	0.74	1.00	4.00
R4GCAREAPP	1333	1.76	0.70	1.00	4.00
R5GCAREAPP	1320	1.68	0.67	1.00	4.00
R6GCAREAPP	2722	1.65	0.65	1.00	4.00
R7GCAREAPP	2440	1.65	0.66	1.00	4.00
R8GCAREAPP	2105	1.65	0.66	1.00	4.00
R9GCAREAPP	2237	1.66	0.67	1.00	4.00
S2GCAREAPP	994	1.75	0.71	1.00	4.00
S3GCAREAPP	937	1.73	0.73	1.00	4.00
S4GCAREAPP	997	1.73	0.68	1.00	4.00
S5GCAREAPP	1026	1.68	0.67	1.00	4.00
S6GCAREAPP	2088	1.65	0.65	1.00	4.00
S7GCAREAPP	1853	1.63	0.65	1.00	4.00
S8GCAREAPP	1585	1.65	0.67	1.00	4.00
S9GCAREAPP	1679	1.65	0.66	1.00	4.00

### Categorical Variable Codes

Value-----	R2GCARESAT	R3GCARESAT	R4GCARESAT	R5GCARESAT
.d:DK	4	29	30	26
.h:no help given	8126	8494	9667	8893
.m:Missing		4		1
.p:proxy	1	9	17	29
.r:Refuse	2		14	6
1.strongly agree	500	495	500	515
2.agree	715	662	763	741
3.disagree	72	56	49	54
4.strongly disagree	12	17	10	9

Value-----	R6GCARESAT	R7GCARESAT	R8GCARESAT	R9GCARESAT
.d:DK	5	6	1	2
.h:no help given	7829	7177	6302	6456
.n:institutional iw	1	1		
.p:proxy	39	34	34	36
.r:Refuse	2	6	1	
1.strongly agree	1111	1012	915	992
2.agree	1496	1313	1113	1162
3.disagree	108	104	71	71
4.strongly disagree	10	13	8	17

Value-----	S2GCARESAT	S3GCARESAT	S4GCARESAT	S5GCARESAT
.d:DK	1	23	21	17
.h:no help given	5189	5425	6366	5891
.m:Missing		3		
.p:proxy	1	8	17	29
.r:Refuse	2		8	3
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
1.strongly agree	372	382	382	400
2.agree	556	486	565	577
3.disagree	46	43	36	41
4.strongly disagree	11	14	7	6

Value-----	S6GCARESAT	S7GCARESAT	S8GCARESAT	S9GCARESAT
.d:DK	3	3		1
.h:no help given	5111	4664	4066	4103
.p:proxy	39	33	33	35
.r:Refuse	1	5	1	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.strongly agree	847	774	692	756
2.agree	1153	1003	845	869
3.disagree	82	70	46	44
4.strongly disagree	6	8	5	12

Value-----	R2GCAREAPP	R3GCAREAPP	R4GCAREAPP	R5GCAREAPP
.d:DK	2	17	20	25
.h:no help given	8113	8494	9667	8893
.m:Missing		4		1
.p:proxy	1	9	17	29
.r:Refuse	2	1	13	6
1.strongly agree	519	510	502	554
2.agree	640	566	680	653
3.disagree	127	138	124	92
4.strongly disagree	28	27	27	21
Value-----	R6GCAREAPP	R7GCAREAPP	R8GCAREAPP	R9GCAREAPP
.d:DK	7	6	1	2
.h:no help given	7829	7179	6304	6461
.n:institutional iw	1	1		
.p:proxy	39	34	34	36
.r:Refuse	3	6	1	
1.strongly agree	1184	1083	921	969
2.agree	1344	1173	1032	1090
3.disagree	163	146	118	145
4.strongly disagree	31	38	34	33
Value-----	S2GCAREAPP	S3GCAREAPP	S4GCAREAPP	S5GCAREAPP
.d:DK	1	10	14	15
.h:no help given	5180	5425	6366	5891
.m:Missing		3		
.p:proxy	1	8	17	29
.r:Refuse	2	1	8	3
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
1.strongly agree	384	389	390	428
2.agree	491	424	505	514
3.disagree	100	108	86	66
4.strongly disagree	19	16	16	18
Value-----	S6GCAREAPP	S7GCAREAPP	S8GCAREAPP	S9GCAREAPP
.d:DK	4	3		1
.h:no help given	5110	4666	4069	4105
.p:proxy	39	33	33	35
.r:Refuse	1	5	1	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.strongly agree	903	833	695	737
2.agree	1035	895	768	813
3.disagree	125	102	97	106
4.strongly disagree	25	23	25	23

## How Constructed

RwGCARESAT and RwGCAREAPP indicate how much the respondent agrees with statements about caregiving. If the respondent reports caring for someone in the past month in the work and pension module, or reports caring for someone in the past week or caring for a sick, disabled, or frail person in the effort and reward module (social participation module in Wave 1), then the respondent is asked how much they agree with these statements about caregiving. RwGCARESAT indicates how much the respondent agrees with the statement "Considering all the efforts that I have put into caring for someone, I am fully satisfied with what I have gained so far." RwGCAREAPP indicates how much the respondent agrees with the statement "Considering all the efforts that I have put into caring for someone, I have always received adequate appreciation from others." RwGCARESAT and RwGCAREAPP are coded as follows: 1.strongly agree, 2.agree, 3.disagree, 4.strongly disagree. RwGCARESAT and RwGCAREAPP are assigned special missing .h if the respondent does not provide care to anyone. RwGCARESAT and RwGCAREAPP are assigned special missing .p if the questions are not asked because the interview is by proxy. Starting in Wave 6, these variables are assigned special missing .n if these questions are not asked because the respondent resides in a nursing home. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwGCARESAT and RwGCAREAPP are set to blank missing (.) if the respondent did not participate in the current wave.

SwGCARESAT and SwGCAREAPP indicate how much the respondent's current wave's spouse agrees with statements about caregiving, and their values are taken from RwGCARESAT and RwGCAREAPP. In addition to the special missing codes used in RwGCARESAT and RwGCAREAPP, SwGCARESAT and SwGCAREAPP employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

These questions are asked starting in Wave 2.

In Waves 3 to 5, the respondent is only asked the question of providing any informal care (looking after anyone) in the past week if the respondent reported that they "cared for someone" in response to the question: "Did you do any of these activities during the last month?". However, there is no such requirement starting in Wave 6. Also starting in Wave 6, the question of providing any informal care (looking after anyone) in the past week is not asked if the respondent is in an institution.

## Differences with the RAND HRS/Harmonized HRS

These questions are not asked in the HRS.

## ELSA Variables Used

### Wave 2 Core:

ASKPX1	Whether interviewed by proxy
ERCARA	Respondent is satisfied with what they have gained so fa
ERCARB	Respondent feels they have been adequately appreciated f
WPACT1	Activities during the last month (1st mention)
WPACT2	Activities during the last month (2nd mention)
WPACT3	Activities during the last month (3rd mention)
WPACT4	Activities during the last month (4th mention)
WPACT5	Activities during the last month (5th mention)
WPACT6	Activities during the last month (6th mention)

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
ERCARA	respondent is satisfied with what they have gained so fa
ERCARB	respondent feels they have been adequately appreciated f
WPACTCA	activities during last month: cared for someone

### Wave 4 Core:

ASKPX	whether respondent had an interview by proxy
ERCARA	respondent is satisfied with what they have gained so fa
ERCARB	respondent feels they have been adequately appreciated f
WPACTCA	activities during last month: cared for someone

### Wave 5 Core:

ASKPX	Whether respondent had an interview by proxy
ERCARA	Respondent is satisfied with what they have gained so fa
ERCARB	Respondent feels they have been adequately appreciated f
WPACTCA	Activities during last month: cared for someone

### Wave 6 Core:

ASKPX	whether respondent had an interview by proxy
ERCARA	respondent is satisfied with what they have gained so fa
ERCARB	respondent feels they have been adequately appreciated f
WPACTCA	activities during last month: cared for someone

### Wave 7 Core:

ASKPX	whether respondent had an interview by proxy
ERCARA	respondent is satisfied with what they have gained so fa
ERCARB	respondent feels they have been adequately appreciated f
WPACTCA	activities during last month: cared for someone

### Wave 8 Core:

ASKPX	computed: whether respondent had an interview by proxy
ERCARA	respondent is satisfied with what they have gained so fa
ERCARB	respondent feels they have been adequately appreciated f



WPACTCA	activities during last month: cared for someone
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy
ERCARA	Respondent is satisfied with what they have gained so fa
ERCARB	Respondent feels they have been adequately appreciated f
WPACTCA	Activities during last month: cared for someone

<b>Provides Care: Long-Term Sick or Disabled Persons</b>
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Wave	Variable	Label	Type
4	R4GCARESCK	r4gcaresck:w4 r provides informal care to long-term sick/dis	Cont
5	R5GCARESCK	r5gcaresck:w5 r provides informal care to long-term sick/dis	Cont
6	R6GCARESCK	r6gcaresck:w6 r provides informal care to long-term sick/dis	Cont
7	R7GCARESCK	r7gcaresck:w7 r provides informal care to long-term sick/dis	Cont
8	R8GCARESCK	r8gcaresck:w8 r provides informal care to long-term sick/dis	Cont
9	R9GCARESCK	r9gcaresck:w9 r provides informal care to long-term sick/dis	Cont
4	S4GCARESCK	s4gcaresck:w4 s provides informal care to long-term sick/dis	Cont
5	S5GCARESCK	s5gcaresck:w5 s provides informal care to long-term sick/dis	Cont
6	S6GCARESCK	s6gcaresck:w6 s provides informal care to long-term sick/dis	Cont
7	S7GCARESCK	s7gcaresck:w7 s provides informal care to long-term sick/dis	Cont
8	S8GCARESCK	s8gcaresck:w8 s provides informal care to long-term sick/dis	Cont
9	S9GCARESCK	s9gcaresck:w9 s provides informal care to long-term sick/dis	Cont
6	R6GCARESCKN	r6gcaresckn:w6 # long-term sick/disabled people r provides c	Cont
7	R7GCARESCKN	r7gcaresckn:w7 # long-term sick/disabled people r provides c	Cont
8	R8GCARESCKN	r8gcaresckn:w8 # long-term sick/disabled people r provides c	Cont
9	R9GCARESCKN	r9gcaresckn:w9 # long-term sick/disabled people r provides c	Cont
6	S6GCARESCKN	s6gcaresckn:w6 # long-term sick/disabled people s provides c	Cont
7	S7GCARESCKN	s7gcaresckn:w7 # long-term sick/disabled people s provides c	Cont
8	S8GCARESCKN	s8gcaresckn:w8 # long-term sick/disabled people s provides c	Cont
9	S9GCARESCKN	s9gcaresckn:w9 # long-term sick/disabled people s provides c	Cont
6	R6GCARESCKHPW	r6gcaresckhpw:w6 hours/week r provides care to long-term sic	Cont
7	R7GCARESCKHPW	r7gcaresckhpw:w7 hours/week r provides care to long-term sic	Cont
8	R8GCARESCKHPW	r8gcaresckhpw:w8 hours/week r provides care to long-term sic	Cont
9	R9GCARESCKHPW	r9gcaresckhpw:w9 hours/week r provides care to long-term sic	Cont
6	S6GCARESCKHPW	s6gcaresckhpw:w6 hours/week s provides care to long-term sic	Cont
7	S7GCARESCKHPW	s7gcaresckhpw:w7 hours/week s provides care to long-term sic	Cont
8	S8GCARESCKHPW	s8gcaresckhpw:w8 hours/week s provides care to long-term sic	Cont
9	S9GCARESCKHPW	s9gcaresckhpw:w9 hours/week s provides care to long-term sic	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R4GCARESCK	11020	0.07	0.26	0.00	1.00
R5GCARESCK	10230	0.08	0.26	0.00	1.00
R6GCARESCK	9927	0.17	0.38	0.00	1.00
R7GCARESCK	9030	0.16	0.37	0.00	1.00
R8GCARESCK	7944	0.16	0.37	0.00	1.00
R9GCARESCK	8160	0.17	0.38	0.00	1.00
S4GCARESCK	7376	0.08	0.28	0.00	1.00
S5GCARESCK	6927	0.09	0.28	0.00	1.00
S6GCARESCK	6717	0.20	0.40	0.00	1.00
S7GCARESCK	6053	0.19	0.39	0.00	1.00
S8GCARESCK	5295	0.18	0.38	0.00	1.00
S9GCARESCK	5347	0.19	0.40	0.00	1.00
R6GCARESCKN	9926	0.21	0.59	0.00	20.00
R7GCARESCKN	9029	0.20	0.60	0.00	20.00
R8GCARESCKN	7943	0.19	0.50	0.00	10.00
R9GCARESCKN	8160	0.21	0.56	0.00	20.00

S6GCARESKN	6716	0.24	0.56	0.00	10.00
S7GCARESKN	6052	0.23	0.55	0.00	11.00
S8GCARESKN	5294	0.22	0.52	0.00	7.00
S9GCARESKN	5347	0.23	0.53	0.00	6.00
R6GCARESKHPW	9914	4.53	20.30	0.00	268.00
R7GCARESKHPW	9019	4.50	20.61	0.00	268.00
R8GCARESKHPW	7934	4.31	19.58	0.00	149.00
R9GCARESKHPW	8151	4.52	20.10	0.00	161.00
S6GCARESKHPW	6704	5.61	22.79	0.00	268.00
S7GCARESKHPW	6042	5.50	22.99	0.00	268.00
S8GCARESKHPW	5286	5.35	21.95	0.00	149.00
S9GCARESKHPW	5338	5.58	22.54	0.00	161.00

### Categorical Variable Codes

Value-----	R4GCARESK	R5GCARESK
.d:DK	2	9
.m:Missing		1
.p:proxy	17	29
.r:Refuse	11	5
0.no	10216	9458
1.yes	804	772

Value-----	R6GCARESK	R7GCARESK	R8GCARESK	R9GCARESK
.d:DK	13	8	2	3
.m:Missing	13		3	8
.n:institutional iw	12	10	15	9
.p:proxy	614	597	463	545
.r:Refuse	22	21	18	11
0.no	8237	7562	6684	6777
1.yes	1690	1468	1260	1383

Value-----	S4GCARESK	S5GCARESK
.d:DK	2	6
.p:proxy	17	29
.r:Refuse	7	2
.u:Unmar	2932	2742
.v:SP NR	716	568
0.no	6768	6319
1.yes	608	608

Value-----	S6GCARESK	S7GCARESK	S8GCARESK	S9GCARESK
.d:DK	10	7	2	1
.m:Missing	7		3	7
.p:proxy	494	484	375	459
.r:Refuse	14	16	13	6
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	5398	4933	4339	4307
1.yes	1319	1120	956	1040

### How Constructed

RwGCARESK indicates whether the respondent gives informal care to someone who is sick, disabled, or frail. If the respondent reports caring for someone in the past week in the effort and reward module, they are asked "May I check, is there anyone (living with/not living with [you]) who is sick, disabled or frail whom [you] look after or give special help to, other than in a professional capacity (for example, a sick or disabled (or elderly) relative/husband/wife/child/friend/parent, etc)?" RwGCARESK is assigned a 0 if the respondent reports not caring for someone who is sick, disabled, or frail or not caring for someone at all. RwGCARESK is assigned a 1 if the respondent reports caring for someone who is sick, disabled, or frail. RwGCARESK is assigned special missing .p if these questions were not asked because the interview was completed by proxy. Starting in Wave 6, RwGCARESK is assigned special missing .n if these questions were not asked because the respondent lived in a nursing home. Don't know, refused, or

missing responses are assigned special missing values .d, .r, .m, respectively. RwgCARESCk is set to blank missing (.) if the respondent did not participate in the current wave.

RwgCARESCkN indicates the number of sick, disabled, or frail people the respondent provides care to. If the respondent reports caring for someone in the past week and caring for someone who is sick, disabled, or frail, then they are asked how many people they provide this kind of help and support to. RwgCARESCkN has values ranging from 0 to 20. RwgCARESCkN is assigned a value of 0 if the respondent does not care for any sick, disabled, or frail people. RwgCARESCkN is assigned special missing .p if these questions were not asked because the interview was completed by proxy. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwgCARESCkN is set to blank missing (.) if the respondent did not participate in the current wave.

RwgCARESCkHPW indicates the number of hours the respondent spent helping sick, disabled, or frail people in the last week. If the respondent reports caring for someone in the past week and caring for someone who is sick, disabled, or frail, then they are asked how old the recipients of the help are and asked to separately report how many hours they spent helping people aged 0-15 years, aged 16-64 years, and aged 65 and over. The number of hours is collected in categories and the mid-point of the categories is used to calculate the total hours as follows: 0 (no help in the last week), 1 (less than 1 hour), 2.5 (1-4 hours), 7 (5-9 hours), 14.5 (10-19 hours), 27 (20-34 hours), 42 (35-49 hours), 74.5 (50-99 hours), 134 (100 hours or more). RwgCARESCkHPW is the sum of the hours reported for every age grouping. RwgCARESCkHPW is calculated as long as there is a value for one age grouping. RwgCARESCkHPW is assigned a value of 0 if the respondent did not care for anyone. RwgCARESCkHPW is assigned special missing .p if these questions were not asked because the interview was completed by proxy. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. RwgCARESCkHPW is set to blank missing (.) if the respondent did not participate in the current wave.

SwGARESCk, RwgCARESCkN, and RwgCARESCkHPW indicate the respondent's current wave's spouse's experience with caring for someone who is sick, disabled, or frail, and their values are taken from RwgCARESCk, RwgCARESCkN, and RwgCARESCkHPW. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

The respondent is asked about caring for someone who is sick, disabled, or frail starting in Wave 4.

The respondent is asked the number of sick, disabled, or frail people they care for and the number of hours per week they care for those people starting in Wave 6.

In Waves 4 and 5, the respondent is only asked the question of providing any informal care (looking after anyone) in the past week if the respondent reported that they "cared for someone" in response to the question: "Did you do any of these activities during the last month?". However, there is no such requirement starting in Wave 6. Starting in Wave 6, these questions are not asked to respondents living in a nursing home at the time of the interview.

## Differences with the RAND HRS/Harmonized HRS

RwgCARESCk in the Harmonized HRS indicates whether the respondent cares for a sick or disabled adult, which is comparable to RwgCARESCk in the Harmonized ELSA which indicates whether the respondent cares for a sick, disabled or frail person. Please note that this question is asked in the leave behind questionnaire in the HRS and so is not asked to every respondent in every wave, while it is included in the main interview in the ELSA, but has several questions preceding it which limits who the question is asked to.

There is no comparable question asking the number of sick or disabled adults the respondent cares for in the HRS.

The HRS collects how frequently the respondent cares for a sick or disabled adult which is presented in RwgCARESCkD\_H, and is not comparable to the number of hours the respondent cared for a sick, disabled, or frail person in RwgCARESCkHPW.

**ELSA Variables Used**

## Wave 4 Core:

ASKPX whether respondent had an interview by proxy  
 ERRESCK whether there is anyone not living with the respondent w  
 WPACTCA activities during last month: cared for someone

## Wave 5 Core:

ASKPX Whether respondent had an interview by proxy  
 ERRESCK Whether there is anyone not living with the respondent w  
 WPACTCA Activities during last month: cared for someone

## Wave 6 Core:

ASKINST whether respondent had an institutional interview  
 ASKPX whether respondent had an interview by proxy  
 ERADLT hours spent helping the person aged 16-64 in the last we  
 ERCHLD hours spent helping the person aged 0-15 in the last wee  
 EROLDL hours spent helping the person aged 65 or over in the la  
 ERRESCK whether there is anyone not living with the respondent w  
 ERRESNM how many people respondent looks after or helps  
 WPACTCA activities during last month: cared for someone

## Wave 7 Core:

ASKINST whether respondent had an institutional interview  
 ASKPX whether respondent had an interview by proxy  
 ERADLT hours spent helping the person aged 16-64 in the last we  
 ERCHLD hours spent helping the person aged 0-15 in the last wee  
 EROLDL hours spent helping the person aged 65 or over in the la  
 ERRESCK whether there is anyone not living with the respondent w  
 ERRESNM how many people respondent looks after or helps  
 WPACTCA activities during last month: cared for someone

## Wave 8 Core:

ASKINST computed: whether respondent had an institutional interv  
 ASKPX computed: whether respondent had an interview by proxy  
 ERADLT hours spent helping the person aged 16-64 in the last we  
 ERCHLD hours spent helping the person aged 0-15 in the last wee  
 EROLDL hours spent helping the person aged 65 or over in the la  
 ERRESCK whether there is anyone not living with the respondent w  
 ERRESNM how many people respondent looks after or helps  
 WPACTCA activities during last month: cared for someone

## Wave 9 Core:

ASKINST Computed: whether respondent had an institutional interv  
 ASKPX Computed: whether respondent had an interview by proxy  
 ERADLT Hours spent helping the person aged 16-64 in the last we  
 ERCHLD Hours spent helping the person aged 0-15 in the last wee  
 EROLDL Hours spent helping the person aged 65 or over in the la  
 ERRESCK Whether there is anyone not living with the respondent w  
 ERRESNM How many people respondent looks after or helps  
 WPACTCA Activities during last month: cared for someone

## **Section M: Stress**

<b>Karasek Job Content</b>
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Wave	Variable	Label	Type
2	R2SATJOB	r2satjob:w2 whether r is satisfied with job	Categ
3	R3SATJOB	r3satjob:w3 whether r is satisfied with job	Categ
4	R4SATJOB	r4satjob:w4 whether r is satisfied with job	Categ
5	R5SATJOB	r5satjob:w5 whether r is satisfied with job	Categ
6	R6SATJOB	r6satjob:w6 whether r is satisfied with job	Categ
7	R7SATJOB	r7satjob:w7 whether r is satisfied with job	Categ
8	R8SATJOB	r8satjob:w8 whether r is satisfied with job	Categ
9	R9SATJOB	r9satjob:w9 whether r is satisfied with job	Categ
2	S2SATJOB	s2satjob:w2 whether s is satisfied with job	Categ
3	S3SATJOB	s3satjob:w3 whether s is satisfied with job	Categ
4	S4SATJOB	s4satjob:w4 whether s is satisfied with job	Categ
5	S5SATJOB	s5satjob:w5 whether s is satisfied with job	Categ
6	S6SATJOB	s6satjob:w6 whether s is satisfied with job	Categ
7	S7SATJOB	s7satjob:w7 whether s is satisfied with job	Categ
8	S8SATJOB	s8satjob:w8 whether s is satisfied with job	Categ
9	S9SATJOB	s9satjob:w9 whether s is satisfied with job	Categ
2	R2DEMAND	r2demand:w2 whether r's job is physically demanding	Categ
3	R3DEMAND	r3demand:w3 whether r's job is physically demanding	Categ
4	R4DEMAND	r4demand:w4 whether r's job is physically demanding	Categ
5	R5DEMAND	r5demand:w5 whether r's job is physically demanding	Categ
6	R6DEMAND	r6demand:w6 whether r's job is physically demanding	Categ
7	R7DEMAND	r7demand:w7 whether r's job is physically demanding	Categ
8	R8DEMAND	r8demand:w8 whether r's job is physically demanding	Categ
9	R9DEMAND	r9demand:w9 whether r's job is physically demanding	Categ
2	S2DEMAND	s2demand:w2 whether s's job is physically demanding	Categ
3	S3DEMAND	s3demand:w3 whether s's job is physically demanding	Categ
4	S4DEMAND	s4demand:w4 whether s's job is physically demanding	Categ
5	S5DEMAND	s5demand:w5 whether s's job is physically demanding	Categ
6	S6DEMAND	s6demand:w6 whether s's job is physically demanding	Categ
7	S7DEMAND	s7demand:w7 whether s's job is physically demanding	Categ
8	S8DEMAND	s8demand:w8 whether s's job is physically demanding	Categ
9	S9DEMAND	s9demand:w9 whether s's job is physically demanding	Categ
2	R2DESERVE	r2deserve:w2 whether r received deserved recognition from wo	Categ
3	R3DESERVE	r3deserve:w3 whether r received deserved recognition from wo	Categ
4	R4DESERVE	r4deserve:w4 whether r received deserved recognition from wo	Categ
5	R5DESERVE	r5deserve:w5 whether r received deserved recognition from wo	Categ
6	R6DESERVE	r6deserve:w6 whether r received deserved recognition from wo	Categ
7	R7DESERVE	r7deserve:w7 whether r received deserved recognition from wo	Categ
8	R8DESERVE	r8deserve:w8 whether r received deserved recognition from wo	Categ
9	R9DESERVE	r9deserve:w9 whether r received deserved recognition from wo	Categ
2	S2DESERVE	s2deserve:w2 whether s received deserved recognition from wo	Categ
3	S3DESERVE	s3deserve:w3 whether s received deserved recognition from wo	Categ
4	S4DESERVE	s4deserve:w4 whether s received deserved recognition from wo	Categ
5	S5DESERVE	s5deserve:w5 whether s received deserved recognition from wo	Categ
6	S6DESERVE	s6deserve:w6 whether s received deserved recognition from wo	Categ
7	S7DESERVE	s7deserve:w7 whether s received deserved recognition from wo	Categ
8	S8DESERVE	s8deserve:w8 whether s received deserved recognition from wo	Categ
9	S9DESERVE	s9deserve:w9 whether s received deserved recognition from wo	Categ
2	R2SALARY	r2salary:w2 whether r's salary is adequate	Categ
3	R3SALARY	r3salary:w3 whether r's salary is adequate	Categ
4	R4SALARY	r4salary:w4 whether r's salary is adequate	Categ

5	R5SALARY	r5salary:w5	whether	r's	salary	is	adequate		Categ			
6	R6SALARY	r6salary:w6	whether	r's	salary	is	adequate		Categ			
7	R7SALARY	r7salary:w7	whether	r's	salary	is	adequate		Categ			
8	R8SALARY	r8salary:w8	whether	r's	salary	is	adequate		Categ			
9	R9SALARY	r9salary:w9	whether	r's	salary	is	adequate		Categ			
2	S2SALARY	s2salary:w2	whether	s's	salary	is	adequate		Categ			
3	S3SALARY	s3salary:w3	whether	s's	salary	is	adequate		Categ			
4	S4SALARY	s4salary:w4	whether	s's	salary	is	adequate		Categ			
5	S5SALARY	s5salary:w5	whether	s's	salary	is	adequate		Categ			
6	S6SALARY	s6salary:w6	whether	s's	salary	is	adequate		Categ			
7	S7SALARY	s7salary:w7	whether	s's	salary	is	adequate		Categ			
8	S8SALARY	s8salary:w8	whether	s's	salary	is	adequate		Categ			
9	S9SALARY	s9salary:w9	whether	s's	salary	is	adequate		Categ			
2	R2PROMOT	r2promot:w2	whether	r's	job	promotion	prospects	are	poor			
3	R3PROMOT	r3promot:w3	whether	r's	job	promotion	prospects	are	poor			
4	R4PROMOT	r4promot:w4	whether	r's	job	promotion	prospects	are	poor			
5	R5PROMOT	r5promot:w5	whether	r's	job	promotion	prospects	are	poor			
6	R6PROMOT	r6promot:w6	whether	r's	job	promotion	prospects	are	poor			
7	R7PROMOT	r7promot:w7	whether	r's	job	promotion	prospects	are	poor			
8	R8PROMOT	r8promot:w8	whether	r's	job	promotion	prospects	are	poor			
9	R9PROMOT	r9promot:w9	whether	r's	job	promotion	prospects	are	poor			
2	S2PROMOT	s2promot:w2	whether	s's	job	promotion	prospects	are	poor			
3	S3PROMOT	s3promot:w3	whether	s's	job	promotion	prospects	are	poor			
4	S4PROMOT	s4promot:w4	whether	s's	job	promotion	prospects	are	poor			
5	S5PROMOT	s5promot:w5	whether	s's	job	promotion	prospects	are	poor			
6	S6PROMOT	s6promot:w6	whether	s's	job	promotion	prospects	are	poor			
7	S7PROMOT	s7promot:w7	whether	s's	job	promotion	prospects	are	poor			
8	S8PROMOT	s8promot:w8	whether	s's	job	promotion	prospects	are	poor			
9	S9PROMOT	s9promot:w9	whether	s's	job	promotion	prospects	are	poor			
2	R2SECURE	r2secure:w2	whether	r's	job	security	is	poor	Categ			
3	R3SECURE	r3secure:w3	whether	r's	job	security	is	poor	Categ			
4	R4SECURE	r4secure:w4	whether	r's	job	security	is	poor	Categ			
5	R5SECURE	r5secure:w5	whether	r's	job	security	is	poor	Categ			
6	R6SECURE	r6secure:w6	whether	r's	job	security	is	poor	Categ			
7	R7SECURE	r7secure:w7	whether	r's	job	security	is	poor	Categ			
8	R8SECURE	r8secure:w8	whether	r's	job	security	is	poor	Categ			
9	R9SECURE	r9secure:w9	whether	r's	job	security	is	poor	Categ			
2	S2SECURE	s2secure:w2	whether	s's	job	security	is	poor	Categ			
3	S3SECURE	s3secure:w3	whether	s's	job	security	is	poor	Categ			
4	S4SECURE	s4secure:w4	whether	s's	job	security	is	poor	Categ			
5	S5SECURE	s5secure:w5	whether	s's	job	security	is	poor	Categ			
6	S6SECURE	s6secure:w6	whether	s's	job	security	is	poor	Categ			
7	S7SECURE	s7secure:w7	whether	s's	job	security	is	poor	Categ			
8	S8SECURE	s8secure:w8	whether	s's	job	security	is	poor	Categ			
9	S9SECURE	s9secure:w9	whether	s's	job	security	is	poor	Categ			
2	R2TIMEPRE	r2timepre:w2	whether	r	is	under	constant	time	pressure	due	t	Categ
3	R3TIMEPRE	r3timepre:w3	whether	r	is	under	constant	time	pressure	due	t	Categ
4	R4TIMEPRE	r4timepre:w4	whether	r	is	under	constant	time	pressure	due	t	Categ
5	R5TIMEPRE	r5timepre:w5	whether	r	is	under	constant	time	pressure	due	t	Categ
6	R6TIMEPRE	r6timepre:w6	whether	r	is	under	constant	time	pressure	due	t	Categ
7	R7TIMEPRE	r7timepre:w7	whether	r	is	under	constant	time	pressure	due	t	Categ
8	R8TIMEPRE	r8timepre:w8	whether	r	is	under	constant	time	pressure	due	t	Categ
9	R9TIMEPRE	r9timepre:w9	whether	r	is	under	constant	time	pressure	due	t	Categ
2	S2TIMEPRE	s2timepre:w2	whether	s	is	under	constant	time	pressure	due	t	Categ
3	S3TIMEPRE	s3timepre:w3	whether	s	is	under	constant	time	pressure	due	t	Categ
4	S4TIMEPRE	s4timepre:w4	whether	s	is	under	constant	time	pressure	due	t	Categ



5	S5TIMEPRE	s5timepre:w5	whether	s	is	under	constant	time	pressure	due	t	Categ
6	S6TIMEPRE	s6timepre:w6	whether	s	is	under	constant	time	pressure	due	t	Categ
7	S7TIMEPRE	s7timepre:w7	whether	s	is	under	constant	time	pressure	due	t	Categ
8	S8TIMEPRE	s8timepre:w8	whether	s	is	under	constant	time	pressure	due	t	Categ
9	S9TIMEPRE	s9timepre:w9	whether	s	is	under	constant	time	pressure	due	t	Categ
2	R2LTLFREE	r2ltlfree:w2	whether	r	has	very	little	freedom	to	do	work	Categ
3	R3LTLFREE	r3ltlfree:w3	whether	r	has	very	little	freedom	to	do	work	Categ
4	R4LTLFREE	r4ltlfree:w4	whether	r	has	very	little	freedom	to	do	work	Categ
5	R5LTLFREE	r5ltlfree:w5	whether	r	has	very	little	freedom	to	do	work	Categ
6	R6LTLFREE	r6ltlfree:w6	whether	r	has	very	little	freedom	to	do	work	Categ
7	R7LTLFREE	r7ltlfree:w7	whether	r	has	very	little	freedom	to	do	work	Categ
8	R8LTLFREE	r8ltlfree:w8	whether	r	has	very	little	freedom	to	do	work	Categ
9	R9LTLFREE	r9ltlfree:w9	whether	r	has	very	little	freedom	to	do	work	Categ
2	S2LTLFREE	s2ltlfree:w2	whether	s	has	very	little	freedom	to	do	work	Categ
3	S3LTLFREE	s3ltlfree:w3	whether	s	has	very	little	freedom	to	do	work	Categ
4	S4LTLFREE	s4ltlfree:w4	whether	s	has	very	little	freedom	to	do	work	Categ
5	S5LTLFREE	s5ltlfree:w5	whether	s	has	very	little	freedom	to	do	work	Categ
6	S6LTLFREE	s6ltlfree:w6	whether	s	has	very	little	freedom	to	do	work	Categ
7	S7LTLFREE	s7ltlfree:w7	whether	s	has	very	little	freedom	to	do	work	Categ
8	S8LTLFREE	s8ltlfree:w8	whether	s	has	very	little	freedom	to	do	work	Categ
9	S9LTLFREE	s9ltlfree:w9	whether	s	has	very	little	freedom	to	do	work	Categ
2	R2NSKILLS	r2nskills:w2	whether	r	has	the	opportunity	to	develop	new	sk	Categ
3	R3NSKILLS	r3nskills:w3	whether	r	has	the	opportunity	to	develop	new	sk	Categ
4	R4NSKILLS	r4nskills:w4	whether	r	has	the	opportunity	to	develop	new	sk	Categ
5	R5NSKILLS	r5nskills:w5	whether	r	has	the	opportunity	to	develop	new	sk	Categ
6	R6NSKILLS	r6nskills:w6	whether	r	has	the	opportunity	to	develop	new	sk	Categ
7	R7NSKILLS	r7nskills:w7	whether	r	has	the	opportunity	to	develop	new	sk	Categ
8	R8NSKILLS	r8nskills:w8	whether	r	has	the	opportunity	to	develop	new	sk	Categ
9	R9NSKILLS	r9nskills:w9	whether	r	has	the	opportunity	to	develop	new	sk	Categ
2	S2NSKILLS	s2nskills:w2	whether	s	has	the	opportunity	to	develop	new	sk	Categ
3	S3NSKILLS	s3nskills:w3	whether	s	has	the	opportunity	to	develop	new	sk	Categ
4	S4NSKILLS	s4nskills:w4	whether	s	has	the	opportunity	to	develop	new	sk	Categ
5	S5NSKILLS	s5nskills:w5	whether	s	has	the	opportunity	to	develop	new	sk	Categ
6	S6NSKILLS	s6nskills:w6	whether	s	has	the	opportunity	to	develop	new	sk	Categ
7	S7NSKILLS	s7nskills:w7	whether	s	has	the	opportunity	to	develop	new	sk	Categ
8	S8NSKILLS	s8nskills:w8	whether	s	has	the	opportunity	to	develop	new	sk	Categ
9	S9NSKILLS	s9nskills:w9	whether	s	has	the	opportunity	to	develop	new	sk	Categ
2	R2SUPPORT	r2support:w2	whether	r	received	adequate	support	in	difficul			Categ
3	R3SUPPORT	r3support:w3	whether	r	received	adequate	support	in	difficul			Categ
4	R4SUPPORT	r4support:w4	whether	r	received	adequate	support	in	difficul			Categ
5	R5SUPPORT	r5support:w5	whether	r	received	adequate	support	in	difficul			Categ
6	R6SUPPORT	r6support:w6	whether	r	received	adequate	support	in	difficul			Categ
7	R7SUPPORT	r7support:w7	whether	r	received	adequate	support	in	difficul			Categ
8	R8SUPPORT	r8support:w8	whether	r	received	adequate	support	in	difficul			Categ
9	R9SUPPORT	r9support:w9	whether	r	received	adequate	support	in	difficul			Categ
2	S2SUPPORT	s2support:w2	whether	s	received	adequate	support	in	difficul			Categ
3	S3SUPPORT	s3support:w3	whether	s	received	adequate	support	in	difficul			Categ
4	S4SUPPORT	s4support:w4	whether	s	received	adequate	support	in	difficul			Categ
5	S5SUPPORT	s5support:w5	whether	s	received	adequate	support	in	difficul			Categ
6	S6SUPPORT	s6support:w6	whether	s	received	adequate	support	in	difficul			Categ
7	S7SUPPORT	s7support:w7	whether	s	received	adequate	support	in	difficul			Categ
8	S8SUPPORT	s8support:w8	whether	s	received	adequate	support	in	difficul			Categ
9	S9SUPPORT	s9support:w9	whether	s	received	adequate	support	in	difficul			Categ
2	R2CONTROL	r2control:w2	whether	r	feels	control	over	what	happens	in	mo	Categ
3	R3CONTROL	r3control:w3	whether	r	feels	control	over	what	happens	in	mo	Categ
4	R4CONTROL	r4control:w4	whether	r	feels	control	over	what	happens	in	mo	Categ

5	R5CONTROL	r5control:w5	whether r feels control over what happens in mo	Categ
6	R6CONTROL	r6control:w6	whether r feels control over what happens in mo	Categ
7	R7CONTROL	r7control:w7	whether r feels control over what happens in mo	Categ
8	R8CONTROL	r8control:w8	whether r feels control over what happens in mo	Categ
9	R9CONTROL	r9control:w9	whether r feels control over what happens in mo	Categ
2	S2CONTROL	s2control:w2	whether s feels control over what happens in mo	Categ
3	S3CONTROL	s3control:w3	whether s feels control over what happens in mo	Categ
4	S4CONTROL	s4control:w4	whether s feels control over what happens in mo	Categ
5	S5CONTROL	s5control:w5	whether s feels control over what happens in mo	Categ
6	S6CONTROL	s6control:w6	whether s feels control over what happens in mo	Categ
7	S7CONTROL	s7control:w7	whether s feels control over what happens in mo	Categ
8	S8CONTROL	s8control:w8	whether s feels control over what happens in mo	Categ
9	S9CONTROL	s9control:w9	whether s feels control over what happens in mo	Categ
2	R2WORKFAST	r2workfast:w2	whether r has to work very fast	Categ
3	R3WORKFAST	r3workfast:w3	whether r has to work very fast	Categ
4	R4WORKFAST	r4workfast:w4	whether r has to work very fast	Categ
5	R5WORKFAST	r5workfast:w5	whether r has to work very fast	Categ
6	R6WORKFAST	r6workfast:w6	whether r has to work very fast	Categ
7	R7WORKFAST	r7workfast:w7	whether r has to work very fast	Categ
8	R8WORKFAST	r8workfast:w8	whether r has to work very fast	Categ
9	R9WORKFAST	r9workfast:w9	whether r has to work very fast	Categ
2	S2WORKFAST	s2workfast:w2	whether s has to work very fast	Categ
3	S3WORKFAST	s3workfast:w3	whether s has to work very fast	Categ
4	S4WORKFAST	s4workfast:w4	whether s has to work very fast	Categ
5	S5WORKFAST	s5workfast:w5	whether s has to work very fast	Categ
6	S6WORKFAST	s6workfast:w6	whether s has to work very fast	Categ
7	S7WORKFAST	s7workfast:w7	whether s has to work very fast	Categ
8	S8WORKFAST	s8workfast:w8	whether s has to work very fast	Categ
9	S9WORKFAST	s9workfast:w9	whether s has to work very fast	Categ
2	R2JOBSUM	r2jobsum:w2	r's job stress summary mean score	Categ
3	R3JOBSUM	r3jobsum:w3	r's job stress summary mean score	Categ
4	R4JOBSUM	r4jobsum:w4	r's job stress summary mean score	Categ
5	R5JOBSUM	r5jobsum:w5	r's job stress summary mean score	Categ
6	R6JOBSUM	r6jobsum:w6	r's job stress summary mean score	Categ
7	R7JOBSUM	r7jobsum:w7	r's job stress summary mean score	Categ
8	R8JOBSUM	r8jobsum:w8	r's job stress summary mean score	Categ
9	R9JOBSUM	r9jobsum:w9	r's job stress summary mean score	Categ
2	S2JOBSUM	s2jobsum:w2	s's job stress summary mean score	Categ
3	S3JOBSUM	s3jobsum:w3	s's job stress summary mean score	Categ
4	S4JOBSUM	s4jobsum:w4	s's job stress summary mean score	Categ
5	S5JOBSUM	s5jobsum:w5	s's job stress summary mean score	Categ
6	S6JOBSUM	s6jobsum:w6	s's job stress summary mean score	Categ
7	S7JOBSUM	s7jobsum:w7	s's job stress summary mean score	Categ
8	S8JOBSUM	s8jobsum:w8	s's job stress summary mean score	Categ
9	S9JOBSUM	s9jobsum:w9	s's job stress summary mean score	Categ
2	R2JOBSUMM	r2jobsumm:w2	missings in r's job stress summary mean score	Categ
3	R3JOBSUMM	r3jobsumm:w3	missings in r's job stress summary mean score	Categ
4	R4JOBSUMM	r4jobsumm:w4	missings in r's job stress summary mean score	Categ
5	R5JOBSUMM	r5jobsumm:w5	missings in r's job stress summary mean score	Categ
6	R6JOBSUMM	r6jobsumm:w6	missings in r's job stress summary mean score	Categ
7	R7JOBSUMM	r7jobsumm:w7	missings in r's job stress summary mean score	Categ
8	R8JOBSUMM	r8jobsumm:w8	missings in r's job stress summary mean score	Categ
9	R9JOBSUMM	r9jobsumm:w9	missings in r's job stress summary mean score	Categ
2	S2JOBSUMM	s2jobsumm:w2	missings in s's job stress summary mean score	Categ
3	S3JOBSUMM	s3jobsumm:w3	missings in s's job stress summary mean score	Categ
4	S4JOBSUMM	s4jobsumm:w4	missings in s's job stress summary mean score	Categ

5	S5JOBSUMM	s5jobsumm:w5 missings in s's job stress summary mean score	Categ
6	S6JOBSUMM	s6jobsumm:w6 missings in s's job stress summary mean score	Categ
7	S7JOBSUMM	s7jobsumm:w7 missings in s's job stress summary mean score	Categ
8	S8JOBSUMM	s8jobsumm:w8 missings in s's job stress summary mean score	Categ
9	S9JOBSUMM	s9jobsumm:w9 missings in s's job stress summary mean score	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SATJOB	2797	3.22	0.65	1.00	4.00
R3SATJOB	3127	3.17	0.67	1.00	4.00
R4SATJOB	3428	3.25	0.67	1.00	4.00
R5SATJOB	2915	3.18	0.69	1.00	4.00
R6SATJOB	2885	3.13	0.70	1.00	4.00
R7SATJOB	2557	3.17	0.68	1.00	4.00
R8SATJOB	1903	3.21	0.68	1.00	4.00
R9SATJOB	2348	3.20	0.66	1.00	4.00
S2SATJOB	2239	3.23	0.66	1.00	4.00
S3SATJOB	2519	3.18	0.66	1.00	4.00
S4SATJOB	2729	3.26	0.66	1.00	4.00
S5SATJOB	2310	3.19	0.68	1.00	4.00
S6SATJOB	2259	3.13	0.69	1.00	4.00
S7SATJOB	2009	3.18	0.67	1.00	4.00
S8SATJOB	1458	3.23	0.68	1.00	4.00
S9SATJOB	1717	3.21	0.65	1.00	4.00
R2DEMAND	2779	2.41	0.95	1.00	4.00
R3DEMAND	3123	2.38	0.94	1.00	4.00
R4DEMAND	3427	2.42	0.95	1.00	4.00
R5DEMAND	2908	2.41	0.95	1.00	4.00
R6DEMAND	2883	2.41	0.96	1.00	4.00
R7DEMAND	2549	2.36	0.99	1.00	4.00
R8DEMAND	1899	2.40	0.98	1.00	4.00
R9DEMAND	2341	2.34	0.97	1.00	4.00
S2DEMAND	2225	2.40	0.96	1.00	4.00
S3DEMAND	2515	2.37	0.95	1.00	4.00
S4DEMAND	2729	2.41	0.95	1.00	4.00
S5DEMAND	2303	2.40	0.95	1.00	4.00
S6DEMAND	2258	2.40	0.96	1.00	4.00
S7DEMAND	2004	2.34	0.99	1.00	4.00
S8DEMAND	1456	2.38	0.99	1.00	4.00
S9DEMAND	1714	2.32	0.98	1.00	4.00
R2DESERVE	2783	2.82	0.72	1.00	4.00
R3DESERVE	3113	2.81	0.73	1.00	4.00
R4DESERVE	3422	2.87	0.74	1.00	4.00
R5DESERVE	2912	2.88	0.74	1.00	4.00
R6DESERVE	2874	2.79	0.76	1.00	4.00
R7DESERVE	2545	2.81	0.75	1.00	4.00
R8DESERVE	1895	2.86	0.74	1.00	4.00
R9DESERVE	2341	2.85	0.74	1.00	4.00
S2DESERVE	2230	2.83	0.72	1.00	4.00
S3DESERVE	2506	2.83	0.73	1.00	4.00
S4DESERVE	2727	2.88	0.74	1.00	4.00
S5DESERVE	2304	2.89	0.73	1.00	4.00
S6DESERVE	2249	2.80	0.76	1.00	4.00
S7DESERVE	1999	2.82	0.74	1.00	4.00
S8DESERVE	1451	2.88	0.74	1.00	4.00
S9DESERVE	1715	2.86	0.74	1.00	4.00

R2SALARY	2783	2.74	0.75	1.00	4.00
R3SALARY	3123	2.75	0.75	1.00	4.00
R4SALARY	3424	2.82	0.75	1.00	4.00
R5SALARY	2910	2.79	0.77	1.00	4.00
R6SALARY	2879	2.74	0.78	1.00	4.00
R7SALARY	2544	2.77	0.77	1.00	4.00
R8SALARY	1898	2.84	0.76	1.00	4.00
R9SALARY	2340	2.82	0.75	1.00	4.00
S2SALARY	2228	2.75	0.75	1.00	4.00
S3SALARY	2515	2.76	0.74	1.00	4.00
S4SALARY	2727	2.83	0.75	1.00	4.00
S5SALARY	2302	2.80	0.76	1.00	4.00
S6SALARY	2253	2.74	0.78	1.00	4.00
S7SALARY	2000	2.78	0.76	1.00	4.00
S8SALARY	1454	2.87	0.74	1.00	4.00
S9SALARY	1712	2.84	0.72	1.00	4.00
R2PROMOT	2708	2.74	0.89	1.00	4.00
R3PROMOT	3048	2.73	0.87	1.00	4.00
R4PROMOT	3350	2.74	0.90	1.00	4.00
R5PROMOT	2829	2.75	0.92	1.00	4.00
R6PROMOT	2814	2.80	0.91	1.00	4.00
R7PROMOT	2490	2.71	0.95	1.00	4.00
R8PROMOT	1866	2.75	0.95	1.00	4.00
R9PROMOT	2300	2.68	0.92	1.00	4.00
S2PROMOT	2170	2.72	0.90	1.00	4.00
S3PROMOT	2457	2.71	0.88	1.00	4.00
S4PROMOT	2669	2.72	0.90	1.00	4.00
S5PROMOT	2240	2.75	0.92	1.00	4.00
S6PROMOT	2205	2.78	0.92	1.00	4.00
S7PROMOT	1960	2.69	0.96	1.00	4.00
S8PROMOT	1431	2.74	0.95	1.00	4.00
S9PROMOT	1690	2.68	0.94	1.00	4.00
R2SECURE	2743	2.03	0.84	1.00	4.00
R3SECURE	3090	2.06	0.83	1.00	4.00
R4SECURE	3388	2.09	0.85	1.00	4.00
R5SECURE	2871	2.20	0.87	1.00	4.00
R6SECURE	2852	2.19	0.86	1.00	4.00
R7SECURE	2521	2.08	0.87	1.00	4.00
R8SECURE	1883	2.04	0.82	1.00	4.00
R9SECURE	2319	2.04	0.83	1.00	4.00
S2SECURE	2199	2.01	0.84	1.00	4.00
S3SECURE	2492	2.05	0.83	1.00	4.00
S4SECURE	2695	2.06	0.84	1.00	4.00
S5SECURE	2277	2.18	0.87	1.00	4.00
S6SECURE	2233	2.18	0.87	1.00	4.00
S7SECURE	1980	2.06	0.86	1.00	4.00
S8SECURE	1446	2.02	0.83	1.00	4.00
S9SECURE	1698	2.04	0.82	1.00	4.00
R2TIMEPRE	2762	2.39	0.90	1.00	4.00
R3TIMEPRE	3112	2.38	0.91	1.00	4.00
R4TIMEPRE	3410	2.39	0.91	1.00	4.00
R5TIMEPRE	2887	2.37	0.91	1.00	4.00
R6TIMEPRE	2868	2.46	0.92	1.00	4.00
R7TIMEPRE	2531	2.41	0.94	1.00	4.00
R8TIMEPRE	1891	2.37	0.93	1.00	4.00
R9TIMEPRE	2330	2.34	0.92	1.00	4.00

S2TIMEPRE	2214	2.38	0.91	1.00	4.00
S3TIMEPRE	2504	2.39	0.91	1.00	4.00
S4TIMEPRE	2718	2.40	0.91	1.00	4.00
S5TIMEPRE	2286	2.38	0.92	1.00	4.00
S6TIMEPRE	2245	2.47	0.92	1.00	4.00
S7TIMEPRE	1988	2.40	0.95	1.00	4.00
S8TIMEPRE	1452	2.36	0.94	1.00	4.00
S9TIMEPRE	1706	2.34	0.93	1.00	4.00
R2LTLFREE	2768	2.00	0.79	1.00	4.00
R3LTLFREE	3113	1.99	0.78	1.00	4.00
R4LTLFREE	3417	2.01	0.80	1.00	4.00
R5LTLFREE	2889	1.99	0.80	1.00	4.00
R6LTLFREE	2864	2.05	0.81	1.00	4.00
R7LTLFREE	2527	2.02	0.84	1.00	4.00
R8LTLFREE	1890	1.97	0.79	1.00	4.00
R9LTLFREE	2326	1.99	0.81	1.00	4.00
S2LTLFREE	2220	2.00	0.80	1.00	4.00
S3LTLFREE	2506	1.98	0.78	1.00	4.00
S4LTLFREE	2721	1.99	0.79	1.00	4.00
S5LTLFREE	2286	1.98	0.80	1.00	4.00
S6LTLFREE	2242	2.05	0.81	1.00	4.00
S7LTLFREE	1983	2.01	0.83	1.00	4.00
S8LTLFREE	1451	1.95	0.77	1.00	4.00
S9LTLFREE	1702	1.98	0.81	1.00	4.00
R2NSKILLS	2759	2.69	0.79	1.00	4.00
R3NSKILLS	3101	2.73	0.77	1.00	4.00
R4NSKILLS	3405	2.71	0.80	1.00	4.00
R5NSKILLS	2874	2.71	0.80	1.00	4.00
R6NSKILLS	2857	2.65	0.79	1.00	4.00
R7NSKILLS	2529	2.67	0.80	1.00	4.00
R8NSKILLS	1888	2.68	0.80	1.00	4.00
R9NSKILLS	2325	2.72	0.79	1.00	4.00
S2NSKILLS	2210	2.70	0.79	1.00	4.00
S3NSKILLS	2497	2.74	0.76	1.00	4.00
S4NSKILLS	2711	2.73	0.80	1.00	4.00
S5NSKILLS	2277	2.72	0.80	1.00	4.00
S6NSKILLS	2238	2.65	0.79	1.00	4.00
S7NSKILLS	1992	2.68	0.81	1.00	4.00
S8NSKILLS	1447	2.69	0.81	1.00	4.00
S9NSKILLS	1702	2.72	0.80	1.00	4.00
R2SUPPORT	2763	2.84	0.72	1.00	4.00
R3SUPPORT	3101	2.83	0.69	1.00	4.00
R4SUPPORT	3399	2.83	0.71	1.00	4.00
R5SUPPORT	2870	2.82	0.72	1.00	4.00
R6SUPPORT	2861	2.77	0.73	1.00	4.00
R7SUPPORT	2524	2.80	0.73	1.00	4.00
R8SUPPORT	1884	2.80	0.74	1.00	4.00
R9SUPPORT	2319	2.81	0.73	1.00	4.00
S2SUPPORT	2214	2.86	0.71	1.00	4.00
S3SUPPORT	2495	2.85	0.69	1.00	4.00
S4SUPPORT	2710	2.84	0.70	1.00	4.00
S5SUPPORT	2272	2.83	0.71	1.00	4.00
S6SUPPORT	2239	2.77	0.73	1.00	4.00
S7SUPPORT	1984	2.79	0.74	1.00	4.00
S8SUPPORT	1448	2.80	0.74	1.00	4.00
S9SUPPORT	1700	2.82	0.73	1.00	4.00

R2CONTROL	2781	2.93	0.68	1.00	4.00
R3CONTROL	3114	2.91	0.68	1.00	4.00
R4CONTROL	3415	2.92	0.71	1.00	4.00
R5CONTROL	2897	2.96	0.70	1.00	4.00
R6CONTROL	2877	2.89	0.71	1.00	4.00
R7CONTROL	2545	2.93	0.73	1.00	4.00
R8CONTROL	1894	2.94	0.67	1.00	4.00
R9CONTROL	2336	2.96	0.69	1.00	4.00
S2CONTROL	2228	2.94	0.67	1.00	4.00
S3CONTROL	2504	2.92	0.67	1.00	4.00
S4CONTROL	2720	2.93	0.71	1.00	4.00
S5CONTROL	2292	2.96	0.69	1.00	4.00
S6CONTROL	2252	2.89	0.70	1.00	4.00
S7CONTROL	2001	2.94	0.72	1.00	4.00
S8CONTROL	1451	2.94	0.67	1.00	4.00
S9CONTROL	1708	2.98	0.68	1.00	4.00
R2WORKFAST	2780	2.63	0.80	1.00	4.00
R3WORKFAST	3111	2.62	0.78	1.00	4.00
R4WORKFAST	3417	2.60	0.80	1.00	4.00
R5WORKFAST	2890	2.57	0.80	1.00	4.00
R6WORKFAST	2874	2.64	0.81	1.00	4.00
R7WORKFAST	2539	2.61	0.80	1.00	4.00
R8WORKFAST	1891	2.54	0.81	1.00	4.00
R9WORKFAST	2335	2.56	0.79	1.00	4.00
S2WORKFAST	2226	2.63	0.82	1.00	4.00
S3WORKFAST	2505	2.62	0.79	1.00	4.00
S4WORKFAST	2720	2.61	0.80	1.00	4.00
S5WORKFAST	2289	2.58	0.81	1.00	4.00
S6WORKFAST	2249	2.64	0.80	1.00	4.00
S7WORKFAST	1996	2.61	0.81	1.00	4.00
S8WORKFAST	1449	2.54	0.81	1.00	4.00
S9WORKFAST	1708	2.56	0.78	1.00	4.00
R2JOBSSUM	2807	2.19	0.43	1.00	4.00
R3JOBSSUM	3137	2.19	0.44	1.00	4.00
R4JOBSSUM	3438	2.18	0.43	1.00	4.00
R5JOBSSUM	2921	2.21	0.45	1.00	4.00
R6JOBSSUM	2271	2.24	0.45	1.00	4.00
R7JOBSSUM	1931	2.19	0.45	1.00	4.00
R8JOBSSUM	1436	2.17	0.45	1.00	3.83
R9JOBSSUM	1749	2.16	0.44	1.00	4.00
S2JOBSSUM	2246	2.18	0.42	1.00	3.67
S3JOBSSUM	2526	2.18	0.44	1.00	4.00
S4JOBSSUM	2736	2.17	0.43	1.00	3.83
S5JOBSSUM	2311	2.21	0.45	1.00	4.00
S6JOBSSUM	1659	2.24	0.46	1.00	4.00
S7JOBSSUM	1407	2.17	0.45	1.00	4.00
S8JOBSSUM	1006	2.15	0.45	1.00	3.83
S9JOBSSUM	1135	2.15	0.43	1.00	3.67
R2JOBSSUMM	9432	4.24	2.72	0.00	6.00
R3JOBSSUMM	9766	4.09	2.79	0.00	6.00
R4JOBSSUMM	11050	4.15	2.76	0.00	6.00
R5JOBSSUMM	10274	4.31	2.69	0.00	6.00
R6JOBSSUMM	10601	4.38	2.66	0.00	6.00
R7JOBSSUMM	9666	4.42	2.63	0.00	6.00
R8JOBSSUMM	8445	4.65	2.50	0.00	6.00
R9JOBSSUMM	8736	4.40	2.65	0.00	6.00

S2JOBSUMM	6178	3.84	2.86	0.00	6.00
S3JOBSUMM	6382	3.64	2.92	0.00	6.00
S4JOBSUMM	7402	3.80	2.88	0.00	6.00
S5JOBSUMM	6964	4.02	2.81	0.00	6.00
S6JOBSUMM	7242	4.14	2.77	0.00	6.00
S7JOBSUMM	6560	4.17	2.75	0.00	6.00
S8JOBSUMM	5688	4.47	2.61	0.00	6.00
S9JOBSUMM	5820	4.24	2.72	0.00	6.00

### Categorical Variable Codes

Value-----	R2SATJOB	R3SATJOB	R4SATJOB	R5SATJOB
.c:no self-completion	1072	1527	1708	1244
.m:Missing	209	225	280	283
.w:not working	5354	4887	5634	5832
1.strongly disagree	43	55	51	78
2.disagree	231	309	284	249
3.agree	1600	1810	1835	1645
4.strongly agree	923	953	1258	943

Value-----	R6SATJOB	R7SATJOB	R8SATJOB	R9SATJOB
.c:no self-completion	1624	1482	1236	1239
.m:Missing	109	113	89	66
.r:Refuse				11
.w:not working	5983	5514	5217	5072
1.strongly disagree	80	54	38	32
2.disagree	303	249	168	223
3.agree	1668	1459	1046	1329
4.strongly agree	834	795	651	764

Value-----	S2SATJOB	S3SATJOB	S4SATJOB	S5SATJOB
.c:no self-completion	452	769	890	751
.m:Missing	121	130	178	183
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
.w:not working	3366	2966	3605	3720
1.strongly disagree	35	41	37	57
2.disagree	183	235	216	189
3.agree	1263	1469	1468	1311
4.strongly agree	758	774	1008	753

Value-----	S6SATJOB	S7SATJOB	S8SATJOB	S9SATJOB
.c:no self-completion	1018	915	774	794
.m:Missing	54	65	50	43
.r:Refuse				3
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.w:not working	3911	3571	3406	3263
1.strongly disagree	59	38	28	23
2.disagree	233	190	127	154
3.agree	1317	1144	789	976
4.strongly agree	650	637	514	564

Value-----	R2DEMAND	R3DEMAND	R4DEMAND	R5DEMAND
.c:no self-completion	1072	1527	1708	1244
.m:Missing	227	229	281	290
.w:not working	5354	4887	5634	5832
1.strongly disagree	518	602	624	550
2.disagree	1000	1152	1265	1048
3.agree	852	960	1025	892
4.strongly agree	409	409	513	418

Value-----	R6DEMAND	R7DEMAND	R8DEMAND	R9DEMAND
.c:no self-completion	1622	1483	1235	1241
.m:Missing	113	120	94	66
.r:Refuse				16
.w:not working	5983	5514	5217	5072

1.strongly disagree	555	575	391	514	
2.disagree	1023	864	662	847	
3.agree	881	736	545	650	
4.strongly agree	424	374	301	330	
Value-----		S2DEMAND	S3DEMAND	S4DEMAND	S5DEMAND
.c:no self-completion		452	769	890	751
.m:Missing		135	134	178	190
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
.w:not working		3366	2966	3605	3720
1.strongly disagree		430	502	502	441
2.disagree		806	905	997	822
3.agree		667	777	836	713
4.strongly agree		322	331	394	327
Value-----	S6DEMAND	S7DEMAND	S8DEMAND	S9DEMAND	
.c:no self-completion	1016	916	773	796	
.m:Missing	57	69	53	43	
.r:Refuse				4	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.w:not working	3911	3571	3406	3263	
1.strongly disagree	437	460	307	395	
2.disagree	797	686	520	618	
3.agree	697	566	398	456	
4.strongly agree	327	292	231	245	
Value-----		R2DESERVE	R3DESERVE	R4DESERVE	R5DESERVE
.c:no self-completion		1072	1527	1708	1244
.m:Missing		223	239	286	286
.w:not working		5354	4887	5634	5832
1.strongly disagree		130	147	158	133
2.disagree		612	736	709	591
3.agree		1660	1786	1970	1692
4.strongly agree		381	444	585	496
Value-----	R6DESERVE	R7DESERVE	R8DESERVE	R9DESERVE	
.c:no self-completion	1624	1485	1237	1240	
.m:Missing	120	122	96	66	
.r:Refuse				17	
.w:not working	5983	5514	5217	5072	
1.strongly disagree	172	135	91	124	
2.disagree	673	593	396	482	
3.agree	1606	1441	1089	1362	
4.strongly agree	423	376	319	373	
Value-----		S2DESERVE	S3DESERVE	S4DESERVE	S5DESERVE
.c:no self-completion		452	769	890	751
.m:Missing		130	143	180	189
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
.w:not working		3366	2966	3605	3720
1.strongly disagree		104	113	118	97
2.disagree		481	580	569	458
3.agree		1333	1442	1560	1348
4.strongly agree		312	371	480	401
Value-----	S6DESERVE	S7DESERVE	S8DESERVE	S9DESERVE	
.c:no self-completion	1018	917	775	795	
.m:Missing	64	73	56	43	
.r:Refuse				4	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.w:not working	3911	3571	3406	3263	
1.strongly disagree	129	102	62	90	
2.disagree	522	464	310	336	
3.agree	1265	1132	826	1010	
4.strongly agree	333	301	253	279	
Value-----		R2SALARY	R3SALARY	R4SALARY	R5SALARY



.c:no self-completion	1072	1527	1708	1244
.m:Missing	223	229	284	288
.w:not working	5354	4887	5634	5832
1.strongly disagree	172	172	178	179
2.disagree	714	848	782	695
3.agree	1553	1695	1936	1605
4.strongly agree	344	408	528	431

Value-----	R6SALARY	R7SALARY	R8SALARY	R9SALARY
.c:no self-completion	1620	1483	1235	1241
.m:Missing	119	125	95	66
.r:Refuse				17
.w:not working	5983	5514	5217	5072
1.strongly disagree	213	166	108	124
2.disagree	697	612	399	530
3.agree	1588	1397	1080	1327
4.strongly agree	381	369	311	359

Value-----	S2SALARY	S3SALARY	S4SALARY	S5SALARY
.c:no self-completion	452	769	890	751
.m:Missing	132	134	180	191
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
.w:not working	3366	2966	3605	3720
1.strongly disagree	137	126	136	124
2.disagree	572	675	627	554
3.agree	1239	1380	1534	1272
4.strongly agree	280	334	430	352

Value-----	S6SALARY	S7SALARY	S8SALARY	S9SALARY
.c:no self-completion	1014	916	773	796
.m:Missing	64	73	55	43
.r:Refuse				6
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.w:not working	3911	3571	3406	3263
1.strongly disagree	166	121	70	78
2.disagree	551	479	295	371
3.agree	1233	1113	845	1005
4.strongly agree	303	287	244	258

Value-----	R2PROMOT	R3PROMOT	R4PROMOT	R5PROMOT
.c:no self-completion	1072	1527	1708	1244
.m:Missing	298	304	358	369
.w:not working	5354	4887	5634	5832
1.strongly disagree	250	265	323	291
2.disagree	774	904	933	750
3.agree	1118	1282	1373	1151
4.strongly agree	566	597	721	637

Value-----	R6PROMOT	R7PROMOT	R8PROMOT	R9PROMOT
.c:no self-completion	1630	1492	1238	1248
.m:Missing	174	170	124	66
.r:Refuse				50
.w:not working	5983	5514	5217	5072
1.strongly disagree	264	292	209	263
2.disagree	705	724	505	682
3.agree	1173	899	704	889
4.strongly agree	672	575	448	466

Value-----	S2PROMOT	S3PROMOT	S4PROMOT	S5PROMOT
.c:no self-completion	452	769	890	751
.m:Missing	190	192	238	253
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
.w:not working	3366	2966	3605	3720
1.strongly disagree	216	215	264	231
2.disagree	625	749	765	600
3.agree	880	1015	1088	904
4.strongly agree	449	478	552	505

Value-----	S6PROMOT	S7PROMOT	S8PROMOT	S9PROMOT	
.c:no self-completion	1024	924	776	803	
.m:Missing	102	105	75	43	
.r:Refuse				21	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.w:not working	3911	3571	3406	3263	
1.strongly disagree	220	238	163	201	
2.disagree	574	585	391	497	
3.agree	892	683	530	639	
4.strongly agree	519	454	347	353	
Value-----		R2SECURE	R3SECURE	R4SECURE	R5SECURE
.c:no self-completion		1072	1527	1708	1244
.m:Missing		263	262	320	327
.w:not working		5354	4887	5634	5832
1.strongly disagree		745	767	827	587
2.disagree		1345	1569	1674	1385
3.agree		475	548	641	631
4.strongly agree		178	206	246	268
Value-----	R6SECURE	R7SECURE	R8SECURE	R9SECURE	
.c:no self-completion	1625	1487	1237	1244	
.m:Missing	141	144	108	66	
.r:Refuse				35	
.w:not working	5983	5514	5217	5072	
1.strongly disagree	591	661	480	601	
2.disagree	1386	1198	960	1166	
3.agree	625	468	323	406	
4.strongly agree	250	194	120	146	
Value-----		S2SECURE	S3SECURE	S4SECURE	S5SECURE
.c:no self-completion		452	769	890	751
.m:Missing		161	157	212	216
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
.w:not working		3366	2966	3605	3720
1.strongly disagree		619	642	688	489
2.disagree		1077	1254	1338	1093
3.agree		366	433	485	485
4.strongly agree		137	163	184	210
Value-----	S6SECURE	S7SECURE	S8SECURE	S9SECURE	
.c:no self-completion	1019	919	775	799	
.m:Missing	79	90	61	43	
.r:Refuse				17	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.w:not working	3911	3571	3406	3263	
1.strongly disagree	472	534	391	444	
2.disagree	1087	936	734	854	
3.agree	475	364	229	296	
4.strongly agree	199	146	92	104	
Value-----		R2TIMEPRE	R3TIMEPRE	R4TIMEPRE	R5TIMEPRE
.c:no self-completion		1072	1527	1708	1244
.m:Missing		244	240	298	311
.w:not working		5354	4887	5634	5832
1.strongly disagree		441	532	546	486
2.disagree		1175	1264	1436	1217
3.agree		785	926	979	807
4.strongly agree		361	390	449	377
Value-----	R6TIMEPRE	R7TIMEPRE	R8TIMEPRE	R9TIMEPRE	
.c:no self-completion	1621	1485	1238	1242	
.m:Missing	129	136	99	66	
.r:Refuse				26	
.w:not working	5983	5514	5217	5072	
1.strongly disagree	419	455	355	440	
2.disagree	1138	953	736	957	
3.agree	882	756	550	645	

4.strongly agree	429	367	250	288	
Value-----		S2TIMEPRE	S3TIMEPRE	S4TIMEPRE	S5TIMEPRE
.c:no self-completion		452	769	890	751
.m:Missing		146	145	189	207
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
.w:not working		3366	2966	3605	3720
1.strongly disagree		365	421	432	381
2.disagree		942	1016	1143	971
3.agree		617	747	777	623
4.strongly agree		290	320	366	311
Value-----	S6TIMEPRE	S7TIMEPRE	S8TIMEPRE	S9TIMEPRE	
.c:no self-completion	1015	917	776	797	
.m:Missing	71	84	54	43	
.r:Refuse				11	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.w:not working	3911	3571	3406	3263	
1.strongly disagree	330	370	282	321	
2.disagree	881	737	560	696	
3.agree	692	591	419	469	
4.strongly agree	342	290	191	220	
Value-----		R2LTLFREE	R3LTLFREE	R4LTLFREE	R5LTLFREE
.c:no self-completion		1072	1527	1708	1244
.m:Missing		238	239	291	309
.w:not working		5354	4887	5634	5832
1.strongly disagree		741	820	900	802
2.disagree		1411	1649	1745	1474
3.agree		490	499	603	462
4.strongly agree		126	145	169	151
Value-----	R6LTLFREE	R7LTLFREE	R8LTLFREE	R9LTLFREE	
.c:no self-completion	1624	1487	1236	1240	
.m:Missing	130	138	102	66	
.r:Refuse				32	
.w:not working	5983	5514	5217	5072	
1.strongly disagree	708	710	540	664	
2.disagree	1467	1212	953	1143	
3.agree	528	456	314	402	
4.strongly agree	161	149	83	117	
Value-----		S2LTLFREE	S3LTLFREE	S4LTLFREE	S5LTLFREE
.c:no self-completion		452	769	890	751
.m:Missing		140	143	186	207
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
.w:not working		3366	2966	3605	3720
1.strongly disagree		604	663	738	651
2.disagree		1118	1337	1387	1157
3.agree		393	393	474	361
4.strongly agree		105	113	122	117
Value-----	S6LTLFREE	S7LTLFREE	S8LTLFREE	S9LTLFREE	
.c:no self-completion	1018	919	774	795	
.m:Missing	71	87	57	43	
.r:Refuse				17	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.w:not working	3911	3571	3406	3263	
1.strongly disagree	557	563	418	491	
2.disagree	1134	938	742	834	
3.agree	422	373	238	292	
4.strongly agree	129	109	53	85	
Value-----		R2NSKILLS	R3NSKILLS	R4NSKILLS	R5NSKILLS
.c:no self-completion		1072	1527	1708	1244
.m:Missing		247	251	303	324
.w:not working		5354	4887	5634	5832

1.strongly disagree	254	219	285	239
2.disagree	664	776	870	737
3.agree	1518	1721	1791	1517
4.strongly agree	323	385	459	381

Value-----	R6NSKILLS	R7NSKILLS	R8NSKILLS	R9NSKILLS
.c:no self-completion	1627	1488	1237	1242
.m:Missing	134	135	103	66
.r:Refuse				31
.w:not working	5983	5514	5217	5072
1.strongly disagree	255	227	173	190
2.disagree	809	679	484	580
3.agree	1486	1312	997	1247
4.strongly agree	307	311	234	308

Value-----	S2NSKILLS	S3NSKILLS	S4NSKILLS	S5NSKILLS
.c:no self-completion	452	769	890	751
.m:Missing	150	152	196	216
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
.w:not working	3366	2966	3605	3720
1.strongly disagree	202	169	221	191
2.disagree	519	615	674	564
3.agree	1226	1399	1440	1218
4.strongly agree	263	314	376	304

Value-----	S6NSKILLS	S7NSKILLS	S8NSKILLS	S9NSKILLS
.c:no self-completion	1019	920	775	797
.m:Missing	74	77	60	43
.r:Refuse				15
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.w:not working	3911	3571	3406	3263
1.strongly disagree	199	180	135	144
2.disagree	618	531	364	421
3.agree	1178	1022	763	906
4.strongly agree	243	259	185	231

Value-----	R2SUPPORT	R3SUPPORT	R4SUPPORT	R5SUPPORT
.c:no self-completion	1072	1527	1708	1244
.m:Missing	243	251	309	328
.w:not working	5354	4887	5634	5832
1.strongly disagree	151	142	184	152
2.disagree	525	621	653	579
3.agree	1711	1955	2121	1764
4.strongly agree	376	383	441	375

Value-----	R6SUPPORT	R7SUPPORT	R8SUPPORT	R9SUPPORT
.c:no self-completion	1626	1489	1237	1244
.m:Missing	131	139	107	66
.r:Refuse				35
.w:not working	5983	5514	5217	5072
1.strongly disagree	178	157	123	139
2.disagree	632	509	368	464
3.agree	1719	1537	1159	1423
4.strongly agree	332	321	234	293

Value-----	S2SUPPORT	S3SUPPORT	S4SUPPORT	S5SUPPORT
.c:no self-completion	452	769	890	751
.m:Missing	146	154	197	221
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
.w:not working	3366	2966	3605	3720
1.strongly disagree	113	111	134	113
2.disagree	403	490	509	456
3.agree	1389	1567	1718	1406
4.strongly agree	309	327	349	297

Value-----	S6SUPPORT	S7SUPPORT	S8SUPPORT	S9SUPPORT
.c:no self-completion	1020	921	775	798
.m:Missing	72	84	59	43

.r:Refuse					16
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.w:not working	3911	3571	3406	3263	
1.strongly disagree	138	135	99	101	
2.disagree	495	394	279	326	
3.agree	1345	1203	889	1050	
4.strongly agree	261	252	181	223	
Value-----		R2CONTROL	R3CONTROL	R4CONTROL	R5CONTROL
.c:no self-completion		947	1527	1708	1244
.m:Missing		350	238	293	301
.w:not working		5354	4887	5634	5832
1.strongly disagree		82	110	136	104
2.disagree		485	539	607	459
3.agree		1747	1985	2063	1786
4.strongly agree		467	480	609	548
Value-----	R6CONTROL	R7CONTROL	R8CONTROL	R9CONTROL	
.c:no self-completion	1625	1484	1235	1239	
.m:Missing	116	123	99	66	
.r:Refuse				23	
.w:not working	5983	5514	5217	5072	
1.strongly disagree	114	110	61	68	
2.disagree	556	434	303	396	
3.agree	1742	1518	1210	1425	
4.strongly agree	465	483	320	447	
Value-----		S2CONTROL	S3CONTROL	S4CONTROL	S5CONTROL
.c:no self-completion		357	769	890	751
.m:Missing		227	145	187	201
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
.w:not working		3366	2966	3605	3720
1.strongly disagree		63	85	106	78
2.disagree		377	415	475	363
3.agree		1418	1611	1654	1418
4.strongly agree		370	393	485	433
Value-----	S6CONTROL	S7CONTROL	S8CONTROL	S9CONTROL	
.c:no self-completion	1019	916	773	794	
.m:Missing	60	72	58	43	
.r:Refuse				12	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.w:not working	3911	3571	3406	3263	
1.strongly disagree	85	83	44	46	
2.disagree	442	343	237	279	
3.agree	1363	1193	925	1049	
4.strongly agree	362	382	245	334	
Value-----		R2WORKFAST	R3WORKFAST	R4WORKFAST	R5WORKFAST
.c:no self-completion		1072	1527	1708	1244
.m:Missing		226	241	291	308
.w:not working		5354	4887	5634	5832
1.strongly disagree		187	197	240	220
2.disagree		1044	1191	1326	1154
3.agree		1162	1330	1409	1156
4.strongly agree		387	393	442	360
Value-----	R6WORKFAST	R7WORKFAST	R8WORKFAST	R9WORKFAST	
.c:no self-completion	1621	1485	1236	1240	
.m:Missing	123	128	101	66	
.r:Refuse				23	
.w:not working	5983	5514	5217	5072	
1.strongly disagree	186	180	161	170	
2.disagree	1089	966	772	959	
3.agree	1182	1057	728	940	
4.strongly agree	417	336	230	266	
Value-----		S2WORKFAST	S3WORKFAST	S4WORKFAST	S5WORKFAST

.c:no self-completion	452	769	890	751
.m:Missing	134	144	187	204
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
.w:not working	3366	2966	3605	3720
1.strongly disagree	156	160	183	178
2.disagree	832	960	1059	902
3.agree	911	1053	1123	919
4.strongly agree	327	332	355	290
Value-----	S6WORKFAST	S7WORKFAST	S8WORKFAST	S9WORKFAST
.c:no self-completion	1015	917	774	795
.m:Missing	67	76	59	43
.r:Refuse				11
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
.w:not working	3911	3571	3406	3263
1.strongly disagree	146	147	123	117
2.disagree	841	742	590	714
3.agree	944	842	560	680
4.strongly agree	318	265	176	197

## How Constructed

RwSATJOB indicates how much the respondent agrees that they are satisfied with their job all things considered.

RwDEMAND indicates how much the respondent agrees that their job is physically demanding.

RwDESERVE indicates how much the respondent agrees that they receive the recognition they deserve from work.

RwSALARY indicates how much the respondent agrees that their salary is adequate considering all their efforts and achievement.

RwPROMOT indicates how much the respondent agrees that their job promotion prospects are poor.

RwSECURE indicates how much the respondent agrees that their job security is poor.

RwTIMEPRE indicates how much the respondent agrees that their job is under constant time pressure due to a heavy workload.

RwLTLFREE indicates how much the respondent agrees that they have very little freedom to decide how to do work.

RwNSKILLS indicates how much the respondent agrees that they have the opportunity to develop new skills.

RwSUPPORT indicates how much the respondent agrees that they receive adequate support in difficult situations at work.

RwCONTROL indicates how much the respondent agrees that they feel they have control over what happens in most situations at work.

RwWORKFAST indicates how much the respondent agrees that they have to work very fast after considering the things they have to do at work.

A code of 1 is assigned if the respondent strongly disagreed with the statement. A code of 2 is assigned if the respondent disagreed with the statement. A code of 3 is assigned if the respondent agreed with the statement. A code of 4 is assigned if the respondent strongly agreed with the statement. Special missing .w is assigned if the respondent indicates they are not currently working and so were not asked about work stresses. Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwSATJOB, SwDEMAND, SwDESERVE, SwSALARY, SwPROMOT, SwSECURE, SwTIMEPRE, SwLTLFREE, SwNSKILLS, SwSUPPORT, SwCONTROL and SwWORKFAST indicate the current wave's spouse's level of agreement with statements about their job and are taken from the spouse's values to RwsATJOB, RwdEMAND, RwdESERVE, RwsALARY, RwpROMOT, RwsECURE, RwtIMEPRE, RwlTLFREE, RwnSKILLS, RwsUPPORT, RwcONTROL and RwwORKFAST. In addition to the special missing codes used in RwsATJOB, RwdEMAND, RwdESERVE, RwsALARY, RwpROMOT, RwsECURE, RwtIMEPRE, RwlTLFREE, RwnSKILLS, RwsUPPORT, RwcONTROL and RwwORKFAST, SwSATJOB, SwDEMAND, SwDESERVE, SwSALARY, SwPROMOT, SwSECURE, SwTIMEPRE, SwLTLFREE, SwNSKILLS, SwSUPPORT, SwCONTROL and SwWORKFAST employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwJOBSUM indicates the mean of the six different job stress questions (RwsATJOB, RwdEMAND, RwsALARY, RwsECURE, RwtIMEPRE and RwnSKILLS) and can be used as a summary score. Since RwJOBSUM indicates how stressful the respondent's job is, we reverse coded the values of RwsATJOB, RwsALARY and RwnSKILLS to make sure that higher scores indicate more stress that the respondent feels about their job. The coding of RwdEMAND, RwsECURE and RwtIMEPRE did not change. RwJOBSUM is calculated for any respondent with at least one non-missing value for its six components. RwJOBSUM counts the number of components with missing values in RwJOBSUM, which could be between no missing components (0) and six missing components (6). Special missing .w is assigned if the respondent indicates they are not currently working. Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwJOBSUM and SwJOBSUMM indicate the mean summary score of six different job stress questions and the count of any missing components for the current wave's spouse and is taken from the spouse's values to RwJOBSUM and RwJOBSUMM. In addition to the special missing codes used in RwJOBSUM and RwJOBSUMM, SwJOBSUM and SwJOBSUMM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Similar questions are asked in Wave 1; however, the question wording and the response scale are not as comparable to the rest of the waves. Thus, the Wave 1 questions are not included here.

## Differences with the RAND HRS/Harmonized HRS

ELSA's original answer options range from strongly agree (1) to strongly disagree (4) - while the reverse was true for HRS - participants saw strongly disagree (1) to strongly agree (4). ELSA has been recoded to match HRS.

Different from HRS, ELSA did not ask questions about whether the respondent often feels bothered or upset at work, whether they are free from conflicting demands that others make at work, and whether their personal life is interfered with by the demands of their job.

## ELSA Variables Used

### Wave 2 Core:

SCEMPL	Whether respondent was in paid employment last month
SCWORKA	Whether the respondent feels satisfied with their job
SCWORKB	Whether the respondent feels their job is physically dem
SCWORKC	Whether the respondent received the recognition they des
SCWORKD	Whether the respondent feels their salary is accurate
SCWORKE	Whether the respondent feels their job prospects are poo
SCWORKF	Whether the respondent feels their job security is poor
SCWORKG	Whether the respondent feels under constant pressure due
SCWORKH	Whether respondent feels they have little freedom to dec
SCWORKI	Whether the respondent feels they have the opportunity t
SCWORKJ	Whether respondent feels they receive adequate support i
SCWORKK	Whether respondent feels they have control over what hap
SCWORKL	Whether respondent feels they have to work very fast

### Wave 3 Core:

SCEMPL whether respondent was in paid employment last month  
 SCWORKA whether the respondent feels satisfied with their job  
 SCWORKB whether the respondent feels their job is physically dem  
 SCWORKC whether the respondent received the recognition they des  
 SCWORKD whether the respondent feels their salary is accurate  
 SCWORKE whether the respondent feels their job prospects are poo  
 SCWORKF whether the respondent feels their job security is poor  
 SCWORKG whether the respondent feels under constant pressure due  
 SCWORKH whether respondent feels they have little freedom to dec  
 SCWORKI whether the respondent feels they have the opportunity t  
 SCWORKJ whether respondent feels they receive adequate support i  
 SCWORKK whether respondent feels they have control over what hap  
 SCWORKL whether respondent feels they have to work very fast

## Wave 4 Core:

SCEMPL whether respondent was in paid employment last month  
 SCWORKA whether the respondent feels satisfied with their job  
 SCWORKB whether the respondent feels their job is physically dem  
 SCWORKC whether the respondent received the recognition they des  
 SCWORKD whether the respondent feels their salary is accurate  
 SCWORKE whether the respondent feels their job prospects are poo  
 SCWORKF whether the respondent feels their job security is poor  
 SCWORKG whether the respondent feels under constant pressure due  
 SCWORKH whether respondent feels they have little freedom to dec  
 SCWORKI whether the respondent feels they have the opportunity t  
 SCWORKJ whether respondent feels they receive adequate support i  
 SCWORKK whether respondent feels they have control over what hap  
 SCWORKL whether respondent feels they have to work very fast

## Wave 5 Core:

SCEMPL Whether respondent was in paid employment last month  
 SCWORKA Whether the respondent feels satisfied with their job  
 SCWORKB Whether the respondent feels their job is physically dem  
 SCWORKC Whether the respondent received the recognition they des  
 SCWORKD Whether the respondent feels their salary is accurate  
 SCWORKE Whether the respondent feels their job prospects are poo  
 SCWORKF Whether the respondent feels their job security is poor  
 SCWORKG Whether the respondent feels under constant pressure due  
 SCWORKH Whether respondent feels they have little freedom to dec  
 SCWORKI Whether the respondent feels they have the opportunity t  
 SCWORKJ Whether respondent feels they receive adequate support i  
 SCWORKK Whether respondent feels they have control over what hap  
 SCWORKL Whether respondent feels they have to work very fast

## Wave 6 Core:

SCEMPL whether respondent was in paid employment last month  
 SCWORKA whether the respondent feels satisfied with their job  
 SCWORKB whether the respondent feels their job is physically dem  
 SCWORKC whether the respondent received the recognition they des  
 SCWORKD whether the respondent feels their salary is accurate  
 SCWORKE whether the respondent feels their job prospects are poo  
 SCWORKF whether the respondent feels their job security is poor  
 SCWORKG whether the respondent feels under constant pressure due  
 SCWORKH whether respondent feels they have little freedom to dec  
 SCWORKI whether the respondent feels they have the opportunity t  
 SCWORKJ whether respondent feels they receive adequate support i  
 SCWORKK whether respondent feels they have control over what hap  
 SCWORKL whether respondent feels they have to work very fast

## Wave 7 Core:

SCEMPL whether respondent was in paid employment last month  
 SCWORKA whether the respondent feels satisfied with their job  
 SCWORKB whether the respondent feels their job is physically dem  
 SCWORKC whether the respondent received the recognition they des  
 SCWORKD whether the respondent feels their salary is adequate  
 SCWORKE whether the respondent feels their job promotion prospect  
 SCWORKF whether the respondent feels their job security is poor



SCWORKG whether the respondent feels under constant pressure due  
SCWORKH whether respondent feels they have little freedom to dec  
SCWORKI whether the respondent feels they have the opportunity t  
SCWORKJ whether respondent feels they receive adequate support i  
SCWORKK whether respondent feels they have control over what hap  
SCWORKL whether respondent feels they have to work very fast

## Wave 8 Core:

SCEMPL whether in paid employment last month  
SCWORKA whether satisfied with their job  
SCWORKB whether feels their job is physically demanding  
SCWORKC whether receives the recognition they deserve in their w  
SCWORKD whether feels their salary is adequate  
SCWORKE whether feels their job promotion prospects are poor  
SCWORKF whether feels their job security is poor  
SCWORKG whether feels under constant pressure due to a heavy wor  
SCWORKH whether feels they have little freedom to decide how to  
SCWORKI whether feels they have the opportunity to develop new s  
SCWORKJ whether feels they receive adequate support in difficult  
SCWORKK whether feels they have control over what happens in mos  
SCWORKL whether feels they have to work very fast

## Wave 9 Core:

SCEMPL Whether in paid employment last month  
SCWORKA Whether satisfied with their job  
SCWORKB Whether feels their job is physically demanding  
SCWORKC Whether receives the recognition they deserve in their w  
SCWORKD Whether feels their salary is adequate  
SCWORKE Whether feels their job promotion prospects are poor  
SCWORKF Whether feels their job security is poor  
SCWORKG Whether feels under constant pressure due to a heavy wor  
SCWORKH Whether feels they have little freedom to decide how to  
SCWORKI Whether feels they have the opportunity to develop new s  
SCWORKJ Whether feels they receive adequate support in difficult  
SCWORKK Whether feels they have control over what happens in mos  
SCWORKL Whether feels they have to work very fast

<b>Neighborhood Physical Disorder/Neighborhood Social Cohesion</b>
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Wave	Variable	Label	Type
1	R1BELONG	r1belong:w1 whether r feels part of/doesn't belong in this a	Cont
3	R3BELONG	r3belong:w3 whether r feels part of/doesn't belong in this a	Cont
7	R7BELONG	r7belong:w7 whether r feels part of/doesn't belong in this a	Cont
1	S1BELONG	s1belong:w1 whether s feels part of/doesn't belong in this a	Cont
3	S3BELONG	s3belong:w3 whether s feels part of/doesn't belong in this a	Cont
7	S7BELONG	s7belong:w7 whether s feels part of/doesn't belong in this a	Cont
1	R1VANDAL	r1vandal:w1 whether r vandalism is no problem/big problem in	Cont
3	R3VANDAL	r3vandal:w3 whether r vandalism is no problem/big problem in	Cont
7	R7VANDAL	r7vandal:w7 whether r vandalism is no problem/big problem in	Cont
1	S1VANDAL	s1vandal:w1 whether s vandalism is no problem/big problem in	Cont
3	S3VANDAL	s3vandal:w3 whether s vandalism is no problem/big problem in	Cont
7	S7VANDAL	s7vandal:w7 whether s vandalism is no problem/big problem in	Cont
1	R1TRUST	r1trust:w1 whether r feels people can be/can't be trusted in	Cont
3	R3TRUST	r3trust:w3 whether r feels people can be/can't be trusted in	Cont
7	R7TRUST	r7trust:w7 whether r feels people can be/can't be trusted in	Cont
1	S1TRUST	s1trust:w1 whether s feels people can be/can't be trusted in	Cont
3	S3TRUST	s3trust:w3 whether s feels people can be/can't be trusted in	Cont
7	S7TRUST	s7trust:w7 whether s feels people can be/can't be trusted in	Cont
1	R1AFWALK	r1afwalk:w1 whether r feels safe/afraid walking alone in thi	Cont
3	R3AFWALK	r3afwalk:w3 whether r feels safe/afraid walking alone in thi	Cont
7	R7AFWALK	r7afwalk:w7 whether r feels safe/afraid walking alone in thi	Cont
1	S1AFWALK	s1afwalk:w1 whether s feels safe/afraid walking alone in thi	Cont
3	S3AFWALK	s3afwalk:w3 whether s feels safe/afraid walking alone in thi	Cont
7	S7AFWALK	s7afwalk:w7 whether s feels safe/afraid walking alone in thi	Cont
1	R1UNFRIEND	r1unfriend:w1 whether r feels people are friendly/unfriendly	Cont
3	R3UNFRIEND	r3unfriend:w3 whether r feels people are friendly/unfriendly	Cont
7	R7UNFRIEND	r7unfriend:w7 whether r feels people are friendly/unfriendly	Cont
1	S1UNFRIEND	s1unfriend:w1 whether s feels people are friendly/unfriendly	Cont
3	S3UNFRIEND	s3unfriend:w3 whether s feels people are friendly/unfriendly	Cont
7	S7UNFRIEND	s7unfriend:w7 whether s feels people are friendly/unfriendly	Cont
1	R1RUBBISH	r1rubbish:w1 whether r feels this area is clean/full of rubb	Cont
3	R3RUBBISH	r3rubbish:w3 whether r feels this area is clean/full of rubb	Cont
7	R7RUBBISH	r7rubbish:w7 whether r feels this area is clean/full of rubb	Cont
1	S1RUBBISH	s1rubbish:w1 whether s feels this area is clean/full of rubb	Cont
3	S3RUBBISH	s3rubbish:w3 whether s feels this area is clean/full of rubb	Cont
7	S7RUBBISH	s7rubbish:w7 whether s feels this area is clean/full of rubb	Cont
1	R1HLPNTR	r1hlpntr:w1 whether r feels people will help/won't help in t	Cont
3	R3HLPNTR	r3hlpntr:w3 whether r feels people will help/won't help in t	Cont
7	R7HLPNTR	r7hlpntr:w7 whether r feels people will help/won't help in t	Cont
1	S1HLPNTR	s1hlpntr:w1 whether s feels people will help/won't help in t	Cont
3	S3HLPNTR	s3hlpntr:w3 whether s feels people will help/won't help in t	Cont
7	S7HLPNTR	s7hlpntr:w7 whether s feels people will help/won't help in t	Cont
1	R1ALONE	r1alone:w1 whether r never felt lonely/feels lonely in this	Cont

3	R3ALONE	r3alone:w3	whether r	never felt	lonely/feels	lonely in this	Cont
7	R7ALONE	r7alone:w7	whether r	never felt	lonely/feels	lonely in this	Cont
1	S1ALONE	s1alone:w1	whether s	never felt	lonely/feels	lonely in this	Cont
3	S3ALONE	s3alone:w3	whether s	never felt	lonely/feels	lonely in this	Cont
7	S7ALONE	s7alone:w7	whether s	never felt	lonely/feels	lonely in this	Cont
1	R1TADVAN	rltadvan:w1	r feels	people take	advantage of/treat	r fairly	Cont
3	R3TADVAN	r3tadvan:w3	r feels	people take	advantage of/treat	r fairly	Cont
7	R7TADVAN	r7tadvan:w7	r feels	people take	advantage of/treat	r fairly	Cont
1	S1TADVAN	sltadvan:w1	s feels	people take	advantage of/treat	s fairly	Cont
3	S3TADVAN	s3tadvan:w3	s feels	people take	advantage of/treat	s fairly	Cont
7	S7TADVAN	s7tadvan:w7	s feels	people take	advantage of/treat	s fairly	Cont
1	R1NPDISUM_E	r1npdisum_e:w1	r's	neighborhood	physical disorder	summary me	Cont
3	R3NPDISUM_E	r3npdisum_e:w3	r's	neighborhood	physical disorder	summary me	Cont
7	R7NPDISUM_E	r7npdisum_e:w7	r's	neighborhood	physical disorder	summary me	Cont
1	S1NPDISUM_E	s1npdisum_e:w1	s's	neighborhood	physical disorder	summary me	Cont
3	S3NPDISUM_E	s3npdisum_e:w3	s's	neighborhood	physical disorder	summary me	Cont
7	S7NPDISUM_E	s7npdisum_e:w7	s's	neighborhood	physical disorder	summary me	Cont
1	R1NPDISUMM_E	r1npdisumm_e:w1	missings in	r's	neighborhood	physical disord	Cont
3	R3NPDISUMM_E	r3npdisumm_e:w3	missings in	r's	neighborhood	physical disord	Cont
7	R7NPDISUMM_E	r7npdisumm_e:w7	missings in	r's	neighborhood	physical disord	Cont
1	S1NPDISUMM_E	s1npdisumm_e:w1	missings in	s's	neighborhood	physical disord	Cont
3	S3NPDISUMM_E	s3npdisumm_e:w3	missings in	s's	neighborhood	physical disord	Cont
7	S7NPDISUMM_E	s7npdisumm_e:w7	missings in	s's	neighborhood	physical disord	Cont
1	R1NSOCOSUM	r1nsocosum:w1	r's	neighborhood	social cohesion	summary mean	Cont
3	R3NSOCOSUM	r3nsocosum:w3	r's	neighborhood	social cohesion	summary mean	Cont
7	R7NSOCOSUM	r7nsocosum:w7	r's	neighborhood	social cohesion	summary mean	Cont
1	S1NSOCOSUM	s1nsocosum:w1	s's	neighborhood	social cohesion	summary mean	Cont
3	S3NSOCOSUM	s3nsocosum:w3	s's	neighborhood	social cohesion	summary mean	Cont
7	S7NSOCOSUM	s7nsocosum:w7	s's	neighborhood	social cohesion	summary mean	Cont
1	R1NSOCOSUMM	r1nsocosumm:w1	missings in	r's	neighborhood	social cohesion	Cont
3	R3NSOCOSUMM	r3nsocosumm:w3	missings in	r's	neighborhood	social cohesion	Cont
7	R7NSOCOSUMM	r7nsocosumm:w7	missings in	r's	neighborhood	social cohesion	Cont
1	S1NSOCOSUMM	s1nsocosumm:w1	missings in	s's	neighborhood	social cohesion	Cont
3	S3NSOCOSUMM	s3nsocosumm:w3	missings in	s's	neighborhood	social cohesion	Cont
7	S7NSOCOSUMM	s7nsocosumm:w7	missings in	s's	neighborhood	social cohesion	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BELONG	10753	2.27	1.54	1.00	7.00
R3BELONG	8049	2.44	1.52	1.00	7.00
R7BELONG	8011	2.52	1.53	1.00	7.00
S1BELONG	7403	2.27	1.49	1.00	7.00
S3BELONG	5510	2.45	1.48	1.00	7.00
S7BELONG	5561	2.50	1.49	1.00	7.00
R1VANDAL	10624	3.27	1.99	1.00	7.00
R3VANDAL	8043	3.07	1.89	1.00	7.00
R7VANDAL	7966	2.39	1.62	1.00	7.00

S1VANDAL	7324	3.25	1.96	1.00	7.00
S3VANDAL	5513	3.03	1.86	1.00	7.00
S7VANDAL	5534	2.34	1.56	1.00	7.00
R1TRUST	10704	2.57	1.65	1.00	7.00
R3TRUST	8057	2.49	1.61	1.00	7.00
R7TRUST	7992	2.60	1.68	1.00	7.00
S1TRUST	7375	2.58	1.62	1.00	7.00
S3TRUST	5513	2.49	1.60	1.00	7.00
S7TRUST	5553	2.58	1.66	1.00	7.00
R1AFWALK	10642	3.39	1.95	1.00	7.00
R3AFWALK	8019	3.26	1.88	1.00	7.00
R7AFWALK	7975	2.75	1.73	1.00	7.00
S1AFWALK	7337	3.27	1.89	1.00	7.00
S3AFWALK	5492	3.13	1.82	1.00	7.00
S7AFWALK	5553	2.65	1.68	1.00	7.00
R1UNFRIEND	10772	2.20	1.43	1.00	7.00
R3UNFRIEND	8073	2.17	1.39	1.00	7.00
R7UNFRIEND	8036	2.26	1.49	1.00	7.00
S1UNFRIEND	7398	2.20	1.41	1.00	7.00
S3UNFRIEND	5518	2.17	1.37	1.00	7.00
S7UNFRIEND	5568	2.23	1.47	1.00	7.00
R1RUBBISH	10749	3.02	1.76	1.00	7.00
R3RUBBISH	8064	2.95	1.70	1.00	7.00
R7RUBBISH	8012	2.85	1.66	1.00	7.00
S1RUBBISH	7394	3.02	1.73	1.00	7.00
S3RUBBISH	5524	2.94	1.67	1.00	7.00
S7RUBBISH	5555	2.82	1.62	1.00	7.00
R1HLPNTR	10749	2.76	1.60	1.00	7.00
R3HLPNTR	8080	2.58	1.51	1.00	7.00
R7HLPNTR	8029	2.64	1.53	1.00	7.00
S1HLPNTR	7392	2.78	1.56	1.00	7.00
S3HLPNTR	5524	2.58	1.48	1.00	7.00
S7HLPNTR	5567	2.62	1.48	1.00	7.00
R1ALONE	10651	2.44	1.96	1.00	7.00
R3ALONE	8036	2.47	1.88	1.00	7.00
R7ALONE	7969	2.43	1.83	1.00	7.00
S1ALONE	7330	2.27	1.85	1.00	7.00
S3ALONE	5510	2.31	1.80	1.00	7.00
S7ALONE	5534	2.25	1.73	1.00	7.00
R1TADVAN	10612	2.49	1.47	1.00	7.00
R3TADVAN	8014	2.50	1.46	1.00	7.00
R7TADVAN	7962	2.45	1.44	1.00	7.00
S1TADVAN	7311	2.50	1.44	1.00	7.00
S3TADVAN	5495	2.49	1.42	1.00	7.00
S7TADVAN	5537	2.41	1.39	1.00	7.00
R1NPDISUM_E	10821	3.23	1.44	1.00	7.00
R3NPDISUM_E	8106	3.10	1.38	1.00	7.00
R7NPDISUM_E	6960	2.67	1.25	1.00	7.00

S1NPDISUM_E	7433	3.18	1.41	1.00	7.00
S3NPDISUM_E	5538	3.03	1.36	1.00	7.00
S7NPDISUM_E	4545	2.60	1.22	1.00	7.00
R1NPDISUMM_E	12099	0.35	0.94	0.00	3.00
R3NPDISUMM_E	9766	0.53	1.13	0.00	3.00
R7NPDISUMM_E	9666	0.52	1.12	0.00	3.00
S1NPDISUMM_E	8070	0.27	0.82	0.00	3.00
S3NPDISUMM_E	6382	0.41	1.02	0.00	3.00
S7NPDISUMM_E	6560	0.46	1.07	0.00	3.00
R1NSOCOSUM	10856	2.45	1.21	1.00	7.00
R3NSOCOSUM	8120	2.42	1.18	1.00	7.00
R7NSOCOSUM	6987	2.49	1.24	1.00	7.00
S1NSOCOSUM	7453	2.46	1.17	1.00	7.00
S3NSOCOSUM	5543	2.42	1.16	1.00	7.00
S7NSOCOSUM	4561	2.46	1.20	1.00	7.00
R1NSOCOSUMM	12099	0.45	1.23	0.00	4.00
R3NSOCOSUMM	9766	0.70	1.50	0.00	4.00
R7NSOCOSUMM	9666	0.68	1.49	0.00	4.00
S1NSOCOSUMM	8070	0.34	1.08	0.00	4.00
S3NSOCOSUMM	6382	0.54	1.36	0.00	4.00
S7NSOCOSUMM	6560	0.61	1.42	0.00	4.00

## How Constructed

RwBELONG indicates how much the respondent feels they are part of/don't belong in this area.

RwVANDAL indicates how much the respondent feels vandalism and graffiti are no problem/a big problem in this area.

RwTRUST indicates how much the respondent feels most people in this area can/can't be trusted.

RwAFWALK indicates how much the respondent feels safe/afraid walking alone in this area after dark.

RwUNFRIEND indicates how much the respondent feels most people are friendly/unfriendly in this area.

RwRUBBISH indicates how much the respondent feels this area is kept clean/always full of rubbish and litter.

RwHLPNTR indicates how much the respondent feels if they were in trouble there are a lots of people/nobody would help in this area.

RwALONE indicates how much the respondent never feels lonely/feels lonely in this area.

RwTADVAN indicates how much the respondent feels people in this area will take advantage of/ be fair to them.

Neighborhood physical disorder/neighborhood social cohesion questions were asked to the respondents about their feelings about their local area; that is, everywhere within a 20 minute walk or about a mile of their home. Respondents are presented with two statements, one negative and one positive (e.g. "I really feel part of this area" and "I feel that I don't belong in this area"). Of the 9 questions, five of the positive statements are on the left (associated with a low score) and four of the positive statements are on the right (associated with a high score). In between the two statements, respondents were asked to mark an answer on a scale of 1 to 7 indicating how closely they agree with either statement. We have reverse coded the following variables: RwVANDAL, RwALONE, RwAFWALK, and RwTADVAN so that a positive response is associated with a lower score. Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Don't know, refused, or missing responses are assigned

special missing values .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwBELONG, SwVANDAL, SwTRUST, SwAFWALK, SwUNFRIEND, SwRUBBISH, SwHLPNTR, SwALONE and SwTADVAN indicate the current wave's spouse's feelings about their local area, and their values are taken from the spouse's values to the respondent variables. In addition to the special missing codes used in RwBELONG, RwVANDAL, RwTRUST, RwAFWALK, RwUNFRIEND, RwRUBBISH, RwHLPNTR, RwALONE and RtADVAN, SwBELONG, SwVANDAL, SwTRUST, SwAFWALK, SwUNFRIEND, SwRUBBISH, SwHLPNTR, SwALONE and SwTADVAN employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwNPDISUM\_E is the calculation of the mean of the three neighborhood physical disorder questions and can be used as a summary score. RwNPDISUM\_E is calculated as:  $RwNPDISUM\_E = \text{mean}(RwVANDAL\ RwAFWALK\ RwRUBBISH)$ . RwNPDISUM\_E is calculated for any respondent with at least one non-missing value for its three components. RwNPDISUMM\_E counts the number of components with missing values in RwNPDISUM\_E (between 0 and 3). Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwNPDISUM\_E and SwNPDISUMM\_E indicate the mean summary score of the three different neighborhood physical disorder questions and the count of any missing components for the current wave's spouse and their values are taken from the spouse's values to RwNPDISUM\_E and RwNPDISUMM. In addition to the special missing codes used in RwNPDISUM\_E and RwNPDISUMM, SwNPDISUM\_E and SwNPDISUMM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwNSOCOSUM is the calculation of the mean of the four neighborhood social cohesion questions and can be used as a summary score. RwNSOCOSUM is calculated as:  $RwNSOCOSUM = \text{mean}(RwBELONG\ RwTRUST\ RwUNFRIEND\ RwHLPNTR)$ . RwNSOCOSUM is calculated for any respondent with at least one non-missing value for its four components. RwNSOCOSUMM counts the number of components with missing values in RwNSOCOSUM (between 0 and 4). Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwNSOCOSUM and SwNSOCOSUMM indicate the mean summary score of four different neighborhood social cohesion questions and the count of any missing components for the current wave's spouse and is taken from the spouse's values to RwNSOCOSUM and RwNSOCOSUMM. In addition to the special missing codes used in RwNSOCOSUM and RwNSOCOSUMM, SwNSOCOSUM and SwNSOCOSUMM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

The questions are only available in Waves 1, 3, and 7.

## Differences with the RAND HRS/Harmonized HRS

Different from the HRS, ELSA did not ask questions about whether the respondent feels there are no/many vacant or deserted houses or storefronts in this area. ELSA asked the respondent whether they never feel lonely/feel lonely in this area, and feel people in this area will take advantage of/be fair to them.

## ELSA Variables Used

### Index File:

OUTSCW1	wave 1 self-completion outcome
OUTSCW3	wave 3 core self-completion outcome

### Wave 1 Core:

SCSCA	i really feel part of this area/i feel that i don't belong
SCSCB	vandalism and graffiti are a big problem in this area/there

SCSCC i often feel lonely living in this area/i have never fel  
SCSCD most people in this area can be trusted/most people in t  
SCSCE people would be affraid to walk alone in this area after  
SCSCF most people in this area are friendly/most people in thi  
SCSCG people in this area will take advantage of you/people in  
SCSCH this area is kept very clean/this area is always full of  
SCSCI if you were in trouble there are lots of people in this

## Wave 3 Core:

SCSCA respondent really feels part of this area  
SCSCB vandalism and graffiti are a big problem in this area  
SCSCC respondent often feels lonely living in this area  
SCSCD most people in this area can be trusted  
SCSCE people would be afraid to walk alone after dark in this  
SCSCF most people in this area are friendly  
SCSCG people in this area will take advantage of you  
SCSCH this area is kept very clean  
SCSCI if you were in trouble, there are lots of people in this

## Wave 7 Core:

SCAREA1 feels part of this area  
SCAREA2 vandalism and graffiti are a big problem in this area  
SCAREA3 often feel lonely living in this area  
SCAREA4 most people in this area can be trusted  
SCAREA5 people would be afraid to walk alone in the dark  
SCAREA6 most people in this area are friend  
SCAREA7 people in this area will take advantage  
SCAREA8 this area is kept very clean  
SCAREA9 if you were in trouble, there are lots of people in this

<b>Childhood/Lifetime Stressful Events</b>
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Wave	Variable	Label	Type
1	RAMISCHLTH	ramischlth:r missed school for 1+ mo due to health	Categ
1	S1MISCHLTH	s1mischlth:w1 s missed school for 1+ mo due to health	Categ
2	S2MISCHLTH	s2mischlth:w2 s missed school for 1+ mo due to health	Categ
3	S3MISCHLTH	s3mischlth:w3 s missed school for 1+ mo due to health	Categ
4	S4MISCHLTH	s4mischlth:w4 s missed school for 1+ mo due to health	Categ
5	S5MISCHLTH	s5mischlth:w5 s missed school for 1+ mo due to health	Categ
6	S6MISCHLTH	s6mischlth:w6 s missed school for 1+ mo due to health	Categ
7	S7MISCHLTH	s7mischlth:w7 s missed school for 1+ mo due to health	Categ
8	S8MISCHLTH	s8mischlth:w8 s missed school for 1+ mo due to health	Categ
9	S9MISCHLTH	s9mischlth:w9 s missed school for 1+ mo due to health	Categ
1	RAPABUSED	rapabused:before age 16 r was physically abused by either pa	Categ
1	S1PABUSED	s1pabused:w1 before age 16 s was physically abused by either	Categ
2	S2PABUSED	s2pabused:w2 before age 16 s was physically abused by either	Categ
3	S3PABUSED	s3pabused:w3 before age 16 s was physically abused by either	Categ
4	S4PABUSED	s4pabused:w4 before age 16 s was physically abused by either	Categ
5	S5PABUSED	s5pabused:w5 before age 16 s was physically abused by either	Categ
6	S6PABUSED	s6pabused:w6 before age 16 s was physically abused by either	Categ
7	S7PABUSED	s7pabused:w7 before age 16 s was physically abused by either	Categ
8	S8PABUSED	s8pabused:w8 before age 16 s was physically abused by either	Categ
9	S9PABUSED	s9pabused:w9 before age 16 s was physically abused by either	Categ
1	RAPADRUG	rapadrug:before age 16 r's parent drank excessively/took dru	Categ
1	S1PADRUG	s1padrug:w1 before age 16 s's parent drank excessively/took	Categ
2	S2PADRUG	s2padrug:w2 before age 16 s's parent drank excessively/took	Categ
3	S3PADRUG	s3padrug:w3 before age 16 s's parent drank excessively/took	Categ
4	S4PADRUG	s4padrug:w4 before age 16 s's parent drank excessively/took	Categ
5	S5PADRUG	s5padrug:w5 before age 16 s's parent drank excessively/took	Categ
6	S6PADRUG	s6padrug:w6 before age 16 s's parent drank excessively/took	Categ
7	S7PADRUG	s7padrug:w7 before age 16 s's parent drank excessively/took	Categ
8	S8PADRUG	s8padrug:w8 before age 16 s's parent drank excessively/took	Categ
9	S9PADRUG	s9padrug:w9 before age 16 s's parent drank excessively/took	Categ
1	RANADISE	ranadise:r ever experienced natural disaster	Categ
1	S1NADISE	s1nadise:w1 s ever experienced natural disaster	Categ
2	S2NADISE	s2nadise:w2 s ever experienced natural disaster	Categ
3	S3NADISE	s3nadise:w3 s ever experienced natural disaster	Categ
4	S4NADISE	s4nadise:w4 s ever experienced natural disaster	Categ
5	S5NADISE	s5nadise:w5 s ever experienced natural disaster	Categ
6	S6NADISE	s6nadise:w6 s ever experienced natural disaster	Categ
7	S7NADISE	s7nadise:w7 s ever experienced natural disaster	Categ
8	S8NADISE	s8nadise:w8 s ever experienced natural disaster	Categ
9	S9NADISE	s9nadise:w9 s ever experienced natural disaster	Categ
1	RACOMBATE	racombate:r ever fired weapon or was fired at in combat	Categ
1	S1COMBATE	s1combate:w1 s ever fired weapon or was fired at in combat	Categ
2	S2COMBATE	s2combate:w2 s ever fired weapon or was fired at in combat	Categ
3	S3COMBATE	s3combate:w3 s ever fired weapon or was fired at in combat	Categ
4	S4COMBATE	s4combate:w4 s ever fired weapon or was fired at in combat	Categ
5	S5COMBATE	s5combate:w5 s ever fired weapon or was fired at in combat	Categ
6	S6COMBATE	s6combate:w6 s ever fired weapon or was fired at in combat	Categ
7	S7COMBATE	s7combate:w7 s ever fired weapon or was fired at in combat	Categ



8	S8COMBATE	s8combate:w8	s ever fired weapon or was fired at in combat	Categ
9	S9COMBATE	s9combate:w9	s ever fired weapon or was fired at in combat	Categ
1	RAATTACKE	raattacke:r	has ever been a victim of serious physical attac	Categ
1	S1ATTACKE	s1attacke:w1	s has ever been a victim of serious physical at	Categ
2	S2ATTACKE	s2attacke:w2	s has ever been a victim of serious physical at	Categ
3	S3ATTACKE	s3attacke:w3	s has ever been a victim of serious physical at	Categ
4	S4ATTACKE	s4attacke:w4	s has ever been a victim of serious physical at	Categ
5	S5ATTACKE	s5attacke:w5	s has ever been a victim of serious physical at	Categ
6	S6ATTACKE	s6attacke:w6	s has ever been a victim of serious physical at	Categ
7	S7ATTACKE	s7attacke:w7	s has ever been a victim of serious physical at	Categ
8	S8ATTACKE	s8attacke:w8	s has ever been a victim of serious physical at	Categ
9	S9ATTACKE	s9attacke:w9	s has ever been a victim of serious physical at	Categ
1	RALIFETHE	ralifethe:r	ever experienced life-threatening illness or acc	Categ
1	S1LIFETHE	s1lifethe:w1	s ever experienced life-threatening illness or	Categ
2	S2LIFETHE	s2lifethe:w2	s ever experienced life-threatening illness or	Categ
3	S3LIFETHE	s3lifethe:w3	s ever experienced life-threatening illness or	Categ
4	S4LIFETHE	s4lifethe:w4	s ever experienced life-threatening illness or	Categ
5	S5LIFETHE	s5lifethe:w5	s ever experienced life-threatening illness or	Categ
6	S6LIFETHE	s6lifethe:w6	s ever experienced life-threatening illness or	Categ
7	S7LIFETHE	s7lifethe:w7	s ever experienced life-threatening illness or	Categ
8	S8LIFETHE	s8lifethe:w8	s ever experienced life-threatening illness or	Categ
9	S9LIFETHE	s9lifethe:w9	s ever experienced life-threatening illness or	Categ
1	RANADISCH	ranadisch:r	experienced natural disaster in childhood	Categ
1	S1NADISCH	s1nadisch:w1	s experienced natural disaster in childhood	Categ
2	S2NADISCH	s2nadisch:w2	s experienced natural disaster in childhood	Categ
3	S3NADISCH	s3nadisch:w3	s experienced natural disaster in childhood	Categ
4	S4NADISCH	s4nadisch:w4	s experienced natural disaster in childhood	Categ
5	S5NADISCH	s5nadisch:w5	s experienced natural disaster in childhood	Categ
6	S6NADISCH	s6nadisch:w6	s experienced natural disaster in childhood	Categ
7	S7NADISCH	s7nadisch:w7	s experienced natural disaster in childhood	Categ
8	S8NADISCH	s8nadisch:w8	s experienced natural disaster in childhood	Categ
9	S9NADISCH	s9nadisch:w9	s experienced natural disaster in childhood	Categ
1	RACOMBATCH	racombatch:r	fired weapon or was fired at in combat in child	Categ
1	S1COMBATCH	s1combatch:w1	s ever fired weapon or was fired at in combat	Categ
2	S2COMBATCH	s2combatch:w2	s ever fired weapon or was fired at in combat	Categ
3	S3COMBATCH	s3combatch:w3	s ever fired weapon or was fired at in combat	Categ
4	S4COMBATCH	s4combatch:w4	s ever fired weapon or was fired at in combat	Categ
5	S5COMBATCH	s5combatch:w5	s ever fired weapon or was fired at in combat	Categ
6	S6COMBATCH	s6combatch:w6	s ever fired weapon or was fired at in combat	Categ
7	S7COMBATCH	s7combatch:w7	s ever fired weapon or was fired at in combat	Categ
8	S8COMBATCH	s8combatch:w8	s ever fired weapon or was fired at in combat	Categ
9	S9COMBATCH	s9combatch:w9	s ever fired weapon or was fired at in combat	Categ
1	RAATTACKCH	raattackch:r	was a victim of serious physical attack or assa	Categ
1	S1ATTACKCH	s1attackch:w1	s was a victim of serious physical attack or a	Categ
2	S2ATTACKCH	s2attackch:w2	s was a victim of serious physical attack or a	Categ
3	S3ATTACKCH	s3attackch:w3	s was a victim of serious physical attack or a	Categ
4	S4ATTACKCH	s4attackch:w4	s was a victim of serious physical attack or a	Categ
5	S5ATTACKCH	s5attackch:w5	s was a victim of serious physical attack or a	Categ
6	S6ATTACKCH	s6attackch:w6	s was a victim of serious physical attack or a	Categ
7	S7ATTACKCH	s7attackch:w7	s was a victim of serious physical attack or a	Categ
8	S8ATTACKCH	s8attackch:w8	s was a victim of serious physical attack or a	Categ
9	S9ATTACKCH	s9attackch:w9	s was a victim of serious physical attack or a	Categ

1	RALIFETHCH	ralifethch:r	experienced life-threatening illness or acciden	Categ
1	S1LIFETHCH	s1lifethch:w1	s experienced life-threatening illness or acci	Categ
2	S2LIFETHCH	s2lifethch:w2	s experienced life-threatening illness or acci	Categ
3	S3LIFETHCH	s3lifethch:w3	s experienced life-threatening illness or acci	Categ
4	S4LIFETHCH	s4lifethch:w4	s experienced life-threatening illness or acci	Categ
5	S5LIFETHCH	s5lifethch:w5	s experienced life-threatening illness or acci	Categ
6	S6LIFETHCH	s6lifethch:w6	s experienced life-threatening illness or acci	Categ
7	S7LIFETHCH	s7lifethch:w7	s experienced life-threatening illness or acci	Categ
8	S8LIFETHCH	s8lifethch:w8	s experienced life-threatening illness or acci	Categ
9	S9LIFETHCH	s9lifethch:w9	s experienced life-threatening illness or acci	Categ
1	RASFNHE	rasfnhe:r	ever experienced severe financial hardship	Categ
1	S1SFNHE	s1sfnhe:w1	s ever experienced severe financial hardship	Categ
2	S2SFNHE	s2sfnhe:w2	s ever experienced severe financial hardship	Categ
3	S3SFNHE	s3sfnhe:w3	s ever experienced severe financial hardship	Categ
4	S4SFNHE	s4sfnhe:w4	s ever experienced severe financial hardship	Categ
5	S5SFNHE	s5sfnhe:w5	s ever experienced severe financial hardship	Categ
6	S6SFNHE	s6sfnhe:w6	s ever experienced severe financial hardship	Categ
7	S7SFNHE	s7sfnhe:w7	s ever experienced severe financial hardship	Categ
8	S8SFNHE	s8sfnhe:w8	s ever experienced severe financial hardship	Categ
9	S9SFNHE	s9sfnhe:w9	s ever experienced severe financial hardship	Categ
1	RASFNHCH	rasfnhch:r	experienced severe financial hardship in childhoo	Categ
1	S1SFNHCH	s1sfnhch:w1	s experienced severe financial hardship in chil	Categ
2	S2SFNHCH	s2sfnhch:w2	s experienced severe financial hardship in chil	Categ
3	S3SFNHCH	s3sfnhch:w3	s experienced severe financial hardship in chil	Categ
4	S4SFNHCH	s4sfnhch:w4	s experienced severe financial hardship in chil	Categ
5	S5SFNHCH	s5sfnhch:w5	s experienced severe financial hardship in chil	Categ
6	S6SFNHCH	s6sfnhch:w6	s experienced severe financial hardship in chil	Categ
7	S7SFNHCH	s7sfnhch:w7	s experienced severe financial hardship in chil	Categ
8	S8SFNHCH	s8sfnhch:w8	s experienced severe financial hardship in chil	Categ
9	S9SFNHCH	s9sfnhch:w9	s experienced severe financial hardship in chil	Categ
1	RALIVDIFFCH	ralivdiffch:before age 16	whether r experienced difficult li	Categ
1	S1LIVDIFFCH	s1livdiffch:w1	before age 16 s whether experienced difficult	Categ
2	S2LIVDIFFCH	s2livdiffch:w2	before age 16 s whether experienced difficult	Categ
3	S3LIVDIFFCH	s3livdiffch:w3	before age 16 s whether experienced difficult	Categ
4	S4LIVDIFFCH	s4livdiffch:w4	before age 16 s whether experienced difficult	Categ
5	S5LIVDIFFCH	s5livdiffch:w5	before age 16 s whether experienced difficult	Categ
6	S6LIVDIFFCH	s6livdiffch:w6	before age 16 s whether experienced difficult	Categ
7	S7LIVDIFFCH	s7livdiffch:w7	before age 16 s whether experienced difficult	Categ
8	S8LIVDIFFCH	s8livdiffch:w8	before age 16 s whether experienced difficult	Categ
9	S9LIVDIFFCH	s9livdiffch:w9	before age 16 s whether experienced difficult	Categ
1	RAPADIVCH	rapadivch h:before age 16	whether r's parents separated/divo	Categ
1	S1PADIVCH	s1padivch:w1	before age 16 whether s's parents separated/div	Categ
2	S2PADIVCH	s2padivch:w2	before age 16 whether s's parents separated/div	Categ
3	S3PADIVCH	s3padivch:w3	before age 16 whether s's parents separated/div	Categ
4	S4PADIVCH	s4padivch:w4	before age 16 whether s's parents separated/div	Categ
5	S5PADIVCH	s5padivch:w5	before age 16 whether s's parents separated/div	Categ
6	S6PADIVCH	s6padivch:w6	before age 16 whether s's parents separated/div	Categ
7	S7PADIVCH	s7padivch:w7	before age 16 whether s's parents separated/div	Categ
8	S8PADIVCH	s8padivch:w8	before age 16 whether s's parents separated/div	Categ
9	S9PADIVCH	s9padivch:w9	before age 16 whether s's parents separated/div	Categ
1	RASEPMOM	rasepmom:before age 16	whether r separated from mother for 6	Categ
1	S1SEPMOM	s1sepmom:w1	before age 16 whether s separated from mother fo	Categ

2	S2SEPMOM	s2sepmom:w2	before age 16 whether s separated from mother fo	Categ
3	S3SEPMOM	s3sepmom:w3	before age 16 whether s separated from mother fo	Categ
4	S4SEPMOM	s4sepmom:w4	before age 16 whether s separated from mother fo	Categ
5	S5SEPMOM	s5sepmom:w5	before age 16 whether s separated from mother fo	Categ
6	S6SEPMOM	s6sepmom:w6	before age 16 whether s separated from mother fo	Categ
7	S7SEPMOM	s7sepmom:w7	before age 16 whether s separated from mother fo	Categ
8	S8SEPMOM	s8sepmom:w8	before age 16 whether s separated from mother fo	Categ
9	S9SEPMOM	s9sepmom:w9	before age 16 whether s separated from mother fo	Categ
1	RALSEVENT_E	ralsevent_e:r's	summary count of lifetime stressful events	Cont
1	S1LSEVENT_E	s1lsevent_e:w1	s's summary count of lifetime stressful event	Cont
2	S2LSEVENT_E	s2lsevent_e:w2	s's summary count of lifetime stressful event	Cont
3	S3LSEVENT_E	s3lsevent_e:w3	s's summary count of lifetime stressful event	Cont
4	S4LSEVENT_E	s4lsevent_e:w4	s's summary count of lifetime stressful event	Cont
5	S5LSEVENT_E	s5lsevent_e:w5	s's summary count of lifetime stressful event	Cont
6	S6LSEVENT_E	s6lsevent_e:w6	s's summary count of lifetime stressful event	Cont
7	S7LSEVENT_E	s7lsevent_e:w7	s's summary count of lifetime stressful event	Cont
8	S8LSEVENT_E	s8lsevent_e:w8	s's summary count of lifetime stressful event	Cont
9	S9LSEVENT_E	s9lsevent_e:w9	s's summary count of lifetime stressful event	Cont
1	RALSEVENTM_E	ralseventm_e:	missings in r's summary count of lifetime stres	Cont
1	S1LSEVENTM_E	s1lseventm_e:w1	missings in s's summary count of lifetime st	Cont
2	S2LSEVENTM_E	s2lseventm_e:w2	missings in s's summary count of lifetime st	Cont
3	S3LSEVENTM_E	s3lseventm_e:w3	missings in s's summary count of lifetime st	Cont
4	S4LSEVENTM_E	s4lseventm_e:w4	missings in s's summary count of lifetime st	Cont
5	S5LSEVENTM_E	s5lseventm_e:w5	missings in s's summary count of lifetime st	Cont
6	S6LSEVENTM_E	s6lseventm_e:w6	missings in s's summary count of lifetime st	Cont
7	S7LSEVENTM_E	s7lseventm_e:w7	missings in s's summary count of lifetime st	Cont
8	S8LSEVENTM_E	s8lseventm_e:w8	missings in s's summary count of lifetime st	Cont
9	S9LSEVENTM_E	s9lseventm_e:w9	missings in s's summary count of lifetime st	Cont
1	RACSEVENT_E	racevent_e:r's	summary count of childhood stressful events	Cont
1	S1CSEVENT_E	s1csevent_e:w1	s's summary count of childhood stressful even	Cont
2	S2CSEVENT_E	s2csevent_e:w2	s's summary count of childhood stressful even	Cont
3	S3CSEVENT_E	s3csevent_e:w3	s's summary count of childhood stressful even	Cont
4	S4CSEVENT_E	s4csevent_e:w4	s's summary count of childhood stressful even	Cont
5	S5CSEVENT_E	s5csevent_e:w5	s's summary count of childhood stressful even	Cont
6	S6CSEVENT_E	s6csevent_e:w6	s's summary count of childhood stressful even	Cont
7	S7CSEVENT_E	s7csevent_e:w7	s's summary count of childhood stressful even	Cont
8	S8CSEVENT_E	s8csevent_e:w8	s's summary count of childhood stressful even	Cont
9	S9CSEVENT_E	s9csevent_e:w9	s's summary count of childhood stressful even	Cont
1	RACSEVENTM_E	raceventm_e:	missings in r's summary count of childhood stre	Cont
1	S1CSEVENTM_E	s1cseventm_e:w1	missings in s's summary count of childhood s	Cont
2	S2CSEVENTM_E	s2cseventm_e:w2	missings in s's summary count of childhood s	Cont
3	S3CSEVENTM_E	s3cseventm_e:w3	missings in s's summary count of childhood s	Cont
4	S4CSEVENTM_E	s4cseventm_e:w4	missings in s's summary count of childhood s	Cont
5	S5CSEVENTM_E	s5cseventm_e:w5	missings in s's summary count of childhood s	Cont
6	S6CSEVENTM_E	s6cseventm_e:w6	missings in s's summary count of childhood s	Cont
7	S7CSEVENTM_E	s7cseventm_e:w7	missings in s's summary count of childhood s	Cont
8	S8CSEVENTM_E	s8cseventm_e:w8	missings in s's summary count of childhood s	Cont
9	S9CSEVENTM_E	s9cseventm_e:w9	missings in s's summary count of childhood s	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAMISCHLTH	7823	0.22	0.41	0.00	1.00

S1MISCHLTH	4493	0.22	0.41	0.00	1.00
S2MISCHLTH	4247	0.22	0.41	0.00	1.00
S3MISCHLTH	5167	0.21	0.41	0.00	1.00
S4MISCHLTH	4561	0.22	0.41	0.00	1.00
S5MISCHLTH	4278	0.22	0.41	0.00	1.00
S6MISCHLTH	3941	0.21	0.41	0.00	1.00
S7MISCHLTH	3465	0.22	0.41	0.00	1.00
S8MISCHLTH	3028	0.21	0.41	0.00	1.00
S9MISCHLTH	2643	0.22	0.41	0.00	1.00
RAPABUSED	6512	0.03	0.18	0.00	1.00
S1PABUSED	3903	0.03	0.17	0.00	1.00
S2PABUSED	3707	0.03	0.17	0.00	1.00
S3PABUSED	4469	0.03	0.18	0.00	1.00
S4PABUSED	3989	0.03	0.18	0.00	1.00
S5PABUSED	3732	0.04	0.18	0.00	1.00
S6PABUSED	3432	0.04	0.19	0.00	1.00
S7PABUSED	3026	0.04	0.19	0.00	1.00
S8PABUSED	2636	0.04	0.19	0.00	1.00
S9PABUSED	2292	0.04	0.20	0.00	1.00
RAPADRUG	6494	0.06	0.24	0.00	1.00
S1PADRUG	3890	0.06	0.24	0.00	1.00
S2PADRUG	3692	0.06	0.24	0.00	1.00
S3PADRUG	4454	0.07	0.25	0.00	1.00
S4PADRUG	3979	0.06	0.24	0.00	1.00
S5PADRUG	3722	0.06	0.25	0.00	1.00
S6PADRUG	3423	0.07	0.25	0.00	1.00
S7PADRUG	3020	0.07	0.25	0.00	1.00
S8PADRUG	2629	0.07	0.25	0.00	1.00
S9PADRUG	2287	0.07	0.25	0.00	1.00
RANADISE	6494	0.11	0.31	0.00	1.00
S1NADISE	3890	0.11	0.31	0.00	1.00
S2NADISE	3692	0.11	0.31	0.00	1.00
S3NADISE	4452	0.11	0.31	0.00	1.00
S4NADISE	3979	0.11	0.31	0.00	1.00
S5NADISE	3722	0.11	0.31	0.00	1.00
S6NADISE	3423	0.11	0.31	0.00	1.00
S7NADISE	3019	0.11	0.31	0.00	1.00
S8NADISE	2628	0.11	0.31	0.00	1.00
S9NADISE	2286	0.11	0.31	0.00	1.00
RACOMBATE	6531	0.06	0.23	0.00	1.00
S1COMBATE	3908	0.06	0.24	0.00	1.00
S2COMBATE	3709	0.06	0.24	0.00	1.00
S3COMBATE	4473	0.06	0.23	0.00	1.00
S4COMBATE	3993	0.06	0.23	0.00	1.00
S5COMBATE	3735	0.05	0.22	0.00	1.00
S6COMBATE	3435	0.05	0.21	0.00	1.00
S7COMBATE	3028	0.04	0.20	0.00	1.00
S8COMBATE	2635	0.04	0.20	0.00	1.00
S9COMBATE	2292	0.04	0.19	0.00	1.00
RAATTACKE	6507	0.06	0.24	0.00	1.00
S1ATTACKE	3897	0.05	0.21	0.00	1.00
S2ATTACKE	3700	0.05	0.21	0.00	1.00
S3ATTACKE	4459	0.06	0.23	0.00	1.00

S4ATTACKE	3985	0.06	0.23	0.00	1.00
S5ATTACKE	3725	0.06	0.24	0.00	1.00
S6ATTACKE	3425	0.06	0.24	0.00	1.00
S7ATTACKE	3019	0.06	0.24	0.00	1.00
S8ATTACKE	2628	0.07	0.25	0.00	1.00
S9ATTACKE	2287	0.07	0.25	0.00	1.00
RALIFETHE	6488	0.26	0.44	0.00	1.00
S1LIFETHE	3881	0.27	0.44	0.00	1.00
S2LIFETHE	3683	0.27	0.44	0.00	1.00
S3LIFETHE	4442	0.26	0.44	0.00	1.00
S4LIFETHE	3969	0.26	0.44	0.00	1.00
S5LIFETHE	3713	0.25	0.43	0.00	1.00
S6LIFETHE	3413	0.25	0.43	0.00	1.00
S7LIFETHE	3012	0.25	0.43	0.00	1.00
S8LIFETHE	2625	0.25	0.43	0.00	1.00
S9LIFETHE	2283	0.25	0.43	0.00	1.00
RANADISCH	6537	0.03	0.18	0.00	1.00
S1NADISCH	3907	0.03	0.18	0.00	1.00
S2NADISCH	3709	0.03	0.18	0.00	1.00
S3NADISCH	4472	0.03	0.18	0.00	1.00
S4NADISCH	3988	0.03	0.18	0.00	1.00
S5NADISCH	3732	0.03	0.18	0.00	1.00
S6NADISCH	3432	0.03	0.18	0.00	1.00
S7NADISCH	3025	0.03	0.18	0.00	1.00
S8NADISCH	2638	0.03	0.17	0.00	1.00
S9NADISCH	2295	0.03	0.17	0.00	1.00
RACOMBATCH	6531	0.00	0.07	0.00	1.00
S1COMBATCH	3902	0.00	0.05	0.00	1.00
S2COMBATCH	3700	0.00	0.05	0.00	1.00
S3COMBATCH	4467	0.00	0.06	0.00	1.00
S4COMBATCH	3983	0.00	0.06	0.00	1.00
S5COMBATCH	3729	0.00	0.05	0.00	1.00
S6COMBATCH	3430	0.00	0.05	0.00	1.00
S7COMBATCH	3023	0.00	0.06	0.00	1.00
S8COMBATCH	2637	0.00	0.06	0.00	1.00
S9COMBATCH	2297	0.00	0.05	0.00	1.00
RAATTACKCH	6525	0.01	0.11	0.00	1.00
S1ATTACKCH	3912	0.01	0.10	0.00	1.00
S2ATTACKCH	3717	0.01	0.10	0.00	1.00
S3ATTACKCH	4470	0.01	0.11	0.00	1.00
S4ATTACKCH	3988	0.01	0.11	0.00	1.00
S5ATTACKCH	3727	0.01	0.12	0.00	1.00
S6ATTACKCH	3429	0.01	0.12	0.00	1.00
S7ATTACKCH	3021	0.01	0.12	0.00	1.00
S8ATTACKCH	2628	0.01	0.12	0.00	1.00
S9ATTACKCH	2288	0.02	0.12	0.00	1.00
RALIFETHCH	6430	0.08	0.27	0.00	1.00
S1LIFETHCH	3847	0.08	0.27	0.00	1.00
S2LIFETHCH	3649	0.08	0.27	0.00	1.00
S3LIFETHCH	4409	0.08	0.27	0.00	1.00
S4LIFETHCH	3935	0.08	0.27	0.00	1.00
S5LIFETHCH	3689	0.08	0.27	0.00	1.00
S6LIFETHCH	3394	0.08	0.27	0.00	1.00

S7LIFETHCH	2990	0.08	0.27	0.00	1.00
S8LIFETHCH	2606	0.08	0.27	0.00	1.00
S9LIFETHCH	2272	0.08	0.28	0.00	1.00
RASFNHE	6483	0.20	0.40	0.00	1.00
S1SFNHE	3874	0.18	0.38	0.00	1.00
S2SFNHE	3675	0.18	0.38	0.00	1.00
S3SFNHE	4438	0.18	0.39	0.00	1.00
S4SFNHE	3961	0.18	0.39	0.00	1.00
S5SFNHE	3704	0.18	0.38	0.00	1.00
S6SFNHE	3408	0.18	0.38	0.00	1.00
S7SFNHE	2999	0.18	0.39	0.00	1.00
S8SFNHE	2615	0.19	0.39	0.00	1.00
S9SFNHE	2275	0.18	0.39	0.00	1.00
RASFNHCH	6319	0.02	0.15	0.00	1.00
S1SFNHCH	3801	0.02	0.15	0.00	1.00
S2SFNHCH	3612	0.02	0.16	0.00	1.00
S3SFNHCH	4345	0.02	0.15	0.00	1.00
S4SFNHCH	3878	0.02	0.16	0.00	1.00
S5SFNHCH	3632	0.02	0.15	0.00	1.00
S6SFNHCH	3346	0.02	0.15	0.00	1.00
S7SFNHCH	2944	0.03	0.16	0.00	1.00
S8SFNHCH	2568	0.03	0.16	0.00	1.00
S9SFNHCH	2242	0.03	0.16	0.00	1.00
RALIVDIFFCH	7848	0.00	0.06	0.00	1.00
S1LIVDIFFCH	4501	0.00	0.06	0.00	1.00
S2LIVDIFFCH	4253	0.00	0.06	0.00	1.00
S3LIVDIFFCH	5175	0.00	0.06	0.00	1.00
S4LIVDIFFCH	4569	0.00	0.06	0.00	1.00
S5LIVDIFFCH	4286	0.00	0.06	0.00	1.00
S6LIVDIFFCH	3949	0.00	0.06	0.00	1.00
S7LIVDIFFCH	3472	0.00	0.07	0.00	1.00
S8LIVDIFFCH	3035	0.00	0.07	0.00	1.00
S9LIVDIFFCH	2648	0.00	0.07	0.00	1.00
RAPADIVCH	7343	0.06	0.24	0.00	1.00
S1PADIVCH	4225	0.05	0.23	0.00	1.00
S2PADIVCH	3990	0.05	0.22	0.00	1.00
S3PADIVCH	4879	0.06	0.24	0.00	1.00
S4PADIVCH	4322	0.06	0.24	0.00	1.00
S5PADIVCH	4062	0.06	0.24	0.00	1.00
S6PADIVCH	3748	0.06	0.24	0.00	1.00
S7PADIVCH	3300	0.06	0.24	0.00	1.00
S8PADIVCH	2893	0.07	0.25	0.00	1.00
S9PADIVCH	2526	0.06	0.25	0.00	1.00
RASEPMOM	7834	0.15	0.35	0.00	1.00
S1SEPMOM	4492	0.15	0.36	0.00	1.00
S2SEPMOM	4245	0.15	0.36	0.00	1.00
S3SEPMOM	5165	0.14	0.35	0.00	1.00
S4SEPMOM	4562	0.14	0.35	0.00	1.00
S5SEPMOM	4279	0.14	0.34	0.00	1.00
S6SEPMOM	3943	0.13	0.34	0.00	1.00
S7SEPMOM	3465	0.13	0.34	0.00	1.00
S8SEPMOM	3028	0.13	0.33	0.00	1.00
S9SEPMOM	2643	0.12	0.33	0.00	1.00

RALSEVENT_E	7842	1.07	1.23	0.00	9.00
S1LSEVENT_E	4502	1.07	1.19	0.00	9.00
S2LSEVENT_E	4254	1.07	1.20	0.00	9.00
S3LSEVENT_E	5175	1.07	1.22	0.00	9.00
S4LSEVENT_E	4569	1.07	1.22	0.00	9.00
S5LSEVENT_E	4286	1.06	1.22	0.00	8.00
S6LSEVENT_E	3948	1.05	1.22	0.00	9.00
S7LSEVENT_E	3471	1.06	1.22	0.00	8.00
S8LSEVENT_E	3034	1.06	1.24	0.00	8.00
S9LSEVENT_E	2647	1.05	1.23	0.00	8.00
RALSEVENTM_E	7842	1.27	2.61	0.00	9.00
S1LSEVENTM_E	4502	1.01	2.36	0.00	9.00
S2LSEVENTM_E	4254	0.99	2.33	0.00	9.00
S3LSEVENTM_E	5175	1.04	2.39	0.00	9.00
S4LSEVENTM_E	4569	0.96	2.31	0.00	8.00
S5LSEVENTM_E	4286	0.98	2.33	0.00	8.00
S6LSEVENTM_E	3948	0.99	2.34	0.00	8.00
S7LSEVENTM_E	3471	0.97	2.33	0.00	8.00
S8LSEVENTM_E	3034	0.99	2.36	0.00	8.00
S9LSEVENTM_E	2647	1.01	2.38	0.00	8.00
RACSEVENT_E	7842	0.63	0.89	0.00	7.00
S1CSEVENT_E	4502	0.63	0.87	0.00	7.00
S2CSEVENT_E	4254	0.63	0.88	0.00	7.00
S3CSEVENT_E	5175	0.63	0.89	0.00	7.00
S4CSEVENT_E	4569	0.63	0.89	0.00	7.00
S5CSEVENT_E	4286	0.63	0.90	0.00	7.00
S6CSEVENT_E	3948	0.63	0.90	0.00	7.00
S7CSEVENT_E	3471	0.64	0.91	0.00	7.00
S8CSEVENT_E	3034	0.64	0.91	0.00	7.00
S9CSEVENT_E	2647	0.64	0.92	0.00	7.00
RACSEVENTM_E	7842	1.29	2.58	0.00	9.00
S1CSEVENTM_E	4502	1.03	2.34	0.00	9.00
S2CSEVENTM_E	4254	1.00	2.31	0.00	9.00
S3CSEVENTM_E	5175	1.06	2.36	0.00	9.00
S4CSEVENTM_E	4569	0.99	2.29	0.00	8.00
S5CSEVENTM_E	4286	1.00	2.31	0.00	8.00
S6CSEVENTM_E	3948	1.01	2.33	0.00	8.00
S7CSEVENTM_E	3471	0.99	2.31	0.00	8.00
S8CSEVENTM_E	3034	1.01	2.34	0.00	8.00
S9CSEVENTM_E	2647	1.02	2.36	0.00	8.00

## Categorical Variable Codes

Value-----	RAMISCHLTH
.a:not in survey when asked	11952
.d:DK	23
.m:Missing	4
0.no	6135
1.yes	1688

Value-----	S1MISCHLTH	S2MISCHLTH	S3MISCHLTH	S4MISCHLTH	S5MISCHLTH
.a:not in survey when asked	3568	1924	1208	2832	2677
.d:DK	9	7	8	8	8
.m:Missing			1	1	1
.u:Unmar	3561	2671	2706	2932	2742

.v:SP NR	468	583	676	716	568
0.no	3516	3320	4057	3580	3358
1.yes	977	927	1110	981	920
Value-----	S6MISCHLTH	S7MISCHLTH	S8MISCHLTH	S9MISCHLTH	
.a:not in survey when asked	3293	3088	2653	3172	
.d:DK	7	6	6	4	
.m:Missing	1	1	1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3099	2708	2378	2070	
1.yes	842	757	650	573	
Value-----	RAPABUSED				
.a:not in survey when asked	13225				
.m:Missing	65				
0.no	6285				
1.yes	227				
Value-----	S1PABUSED	S2PABUSED	S3PABUSED	S4PABUSED	S5PABUSED
.a:not in survey when asked	4137	2445	1884	3387	3208
.m:Missing	30	26	31	26	24
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3788	3593	4315	3856	3600
1.yes	115	114	154	133	132
Value-----	S6PABUSED	S7PABUSED	S8PABUSED	S9PABUSED	
.a:not in survey when asked	3789	3517	3038	3514	
.m:Missing	21	17	14	14	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3308	2910	2535	2201	
1.yes	124	116	101	91	
Value-----	RAPADRUG				
.a:not in survey when asked	13225				
.m:Missing	83				
0.no	6090				
1.yes	404				
Value-----	S1PADRUG	S2PADRUG	S3PADRUG	S4PADRUG	S5PADRUG
.a:not in survey when asked	4137	2445	1884	3387	3208
.m:Missing	43	41	46	36	34
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3654	3468	4163	3729	3482
1.yes	236	224	291	250	240
Value-----	S6PADRUG	S7PADRUG	S8PADRUG	S9PADRUG	
.a:not in survey when asked	3789	3517	3038	3514	
.m:Missing	30	23	21	19	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3195	2819	2451	2130	
1.yes	228	201	178	157	
Value-----	RANADISE				
.a:not in survey when asked	13225				
.m:Missing	83				
0.no	5792				
1.yes	702				
Value-----	S1NADISE	S2NADISE	S3NADISE	S4NADISE	S5NADISE
.a:not in survey when asked	4137	2445	1884	3387	3208
.m:Missing	43	41	48	36	34
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3476	3294	3977	3543	3315
1.yes	414	398	475	436	407



Value-----	S6NADISE	S7NADISE	S8NADISE	S9NADISE		
.a:not in survey when asked	3789	3517	3038	3514		
.m:Missing	30	24	22	20		
.u:Unmar	2802	2548	2255	2286		
.v:SP NR	557	558	502	630		
0.no	3058	2695	2349	2045		
1.yes	365	324	279	241		
Value-----	RACOMBATE					
.a:not in survey when asked	13225					
.m:Missing	46					
0.no	6161					
1.yes	370					
Value-----	S1COMBATE	S2COMBATE	S3COMBATE	S4COMBATE	S5COMBATE	
.a:not in survey when asked	4137	2445	1884	3387	3208	
.m:Missing	25	24	27	22	21	
.u:Unmar	3561	2671	2706	2932	2742	
.v:SP NR	468	583	676	716	568	
0.no	3670	3483	4218	3773	3547	
1.yes	238	226	255	220	188	
Value-----	S6COMBATE	S7COMBATE	S8COMBATE	S9COMBATE		
.a:not in survey when asked	3789	3517	3038	3514		
.m:Missing	18	15	15	14		
.u:Unmar	2802	2548	2255	2286		
.v:SP NR	557	558	502	630		
0.no	3275	2896	2526	2207		
1.yes	160	132	109	85		
Value-----	RAATTACKE					
.a:not in survey when asked	13225					
.m:Missing	70					
0.no	6113					
1.yes	394					
Value-----	S1ATTACKE	S2ATTACKE	S3ATTACKE	S4ATTACKE	S5ATTACKE	
.a:not in survey when asked	4137	2445	1884	3387	3208	
.m:Missing	36	33	41	30	31	
.u:Unmar	3561	2671	2706	2932	2742	
.v:SP NR	468	583	676	716	568	
0.no	3715	3526	4207	3753	3503	
1.yes	182	174	252	232	222	
Value-----	S6ATTACKE	S7ATTACKE	S8ATTACKE	S9ATTACKE		
.a:not in survey when asked	3789	3517	3038	3514		
.m:Missing	28	24	22	19		
.u:Unmar	2802	2548	2255	2286		
.v:SP NR	557	558	502	630		
0.no	3213	2833	2457	2138		
1.yes	212	186	171	149		
Value-----	RALIFETHE					
.a:not in survey when asked	13225					
.m:Missing	89					
0.no	4801					
1.yes	1687					
Value-----	S1LIFETHE	S2LIFETHE	S3LIFETHE	S4LIFETHE	S5LIFETHE	
.a:not in survey when asked	4137	2445	1884	3387	3208	
.m:Missing	52	50	58	46	43	
.u:Unmar	3561	2671	2706	2932	2742	
.v:SP NR	468	583	676	716	568	
0.no	2832	2682	3286	2952	2778	
1.yes	1049	1001	1156	1017	935	
Value-----	S6LIFETHE	S7LIFETHE	S8LIFETHE	S9LIFETHE		
.a:not in survey when asked	3789	3517	3038	3514		
.m:Missing	40	31	25	23		
.u:Unmar	2802	2548	2255	2286		
.v:SP NR	557	558	502	630		

0.no	2561	2268	1979	1721	
1.yes	852	744	646	562	
Value-----	RANADISCH				
.a:not in survey when asked	13225				
.m:Missing	40				
0.no	6325				
1.yes	212				
Value-----	S1NADISCH	S2NADISCH	S3NADISCH	S4NADISCH	S5NADISCH
.a:not in survey when asked	4137	2445	1884	3387	3208
.m:Missing	26	24	28	27	24
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3780	3582	4327	3857	3609
1.yes	127	127	145	131	123
Value-----	S6NADISCH	S7NADISCH	S8NADISCH	S9NADISCH	
.a:not in survey when asked	3789	3517	3038	3514	
.m:Missing	21	18	12	11	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3319	2924	2556	2228	
1.yes	113	101	82	67	
Value-----	RACOMBATCH				
.a:not in survey when asked	13225				
.m:Missing	46				
0.no	6502				
1.yes	29				
Value-----	S1COMBATCH	S2COMBATCH	S3COMBATCH	S4COMBATCH	S5COMBATCH
.a:not in survey when asked	4137	2445	1884	3387	3208
.m:Missing	31	33	33	32	27
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3891	3690	4452	3970	3718
1.yes	11	10	15	13	11
Value-----	S6COMBATCH	S7COMBATCH	S8COMBATCH	S9COMBATCH	
.a:not in survey when asked	3789	3517	3038	3514	
.m:Missing	23	20	13	9	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3420	3013	2629	2291	
1.yes	10	10	8	6	
Value-----	RAATTACKCH				
.a:not in survey when asked	13225				
.m:Missing	52				
0.no	6443				
1.yes	82				
Value-----	S1ATTACKCH	S2ATTACKCH	S3ATTACKCH	S4ATTACKCH	S5ATTACKCH
.a:not in survey when asked	4137	2445	1884	3387	3208
.m:Missing	21	16	30	27	29
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3876	3679	4413	3936	3677
1.yes	36	38	57	52	50
Value-----	S6ATTACKCH	S7ATTACKCH	S8ATTACKCH	S9ATTACKCH	
.a:not in survey when asked	3789	3517	3038	3514	
.m:Missing	24	22	22	18	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3378	2977	2590	2252	
1.yes	51	44	38	36	
Value-----	RALIFETHCH				
.a:not in survey when asked	13225				

.m:Missing	147				
0.no	5927				
1.yes	503				
Value-----	S1LIFETHCH	S2LIFETHCH	S3LIFETHCH	S4LIFETHCH	S5LIFETHCH
.a:not in survey when asked	4137	2445	1884	3387	3208
.m:Missing	86	84	91	80	67
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3543	3364	4064	3622	3400
1.yes	304	285	345	313	289
Value-----	S6LIFETHCH	S7LIFETHCH	S8LIFETHCH	S9LIFETHCH	
.a:not in survey when asked	3789	3517	3038	3514	
.m:Missing	59	53	44	34	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3124	2757	2392	2080	
1.yes	270	233	214	192	
Value-----	RASFNHE				
.a:not in survey when asked	13225				
.m:Missing	94				
0.no	5178				
1.yes	1305				
Value-----	S1SFNHE	S2SFNHE	S3SFNHE	S4SFNHE	S5SFNHE
.a:not in survey when asked	4137	2445	1884	3387	3208
.m:Missing	59	58	62	54	52
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3195	3027	3625	3241	3039
1.yes	679	648	813	720	665
Value-----	S6SFNHE	S7SFNHE	S8SFNHE	S9SFNHE	
.a:not in survey when asked	3789	3517	3038	3514	
.m:Missing	45	44	35	31	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	2804	2447	2130	1857	
1.yes	604	552	485	418	
Value-----	RASFNHCH				
.a:not in survey when asked	13226				
.m:Missing	257				
0.no	6166				
1.yes	153				
Value-----	S1SFNHCH	S2SFNHCH	S3SFNHCH	S4SFNHCH	S5SFNHCH
.a:not in survey when asked	4137	2445	1885	3388	3209
.m:Missing	132	121	154	136	123
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3710	3523	4241	3782	3547
1.yes	91	89	104	96	85
Value-----	S6SFNHCH	S7SFNHCH	S8SFNHCH	S9SFNHCH	
.a:not in survey when asked	3790	3518	3039	3515	
.m:Missing	106	98	81	63	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3269	2868	2503	2183	
1.yes	77	76	65	59	
Value-----	RALIVDIFFCH				
.a:not in survey when asked	11952				
.m:Missing	2				
0.no	7822				
1.yes	26				
Value-----	S1LIVDIFFCH	S2LIVDIFFCH	S3LIVDIFFCH	S4LIVDIFFCH	S5LIVDIFFCH

.a:not in survey when asked	3568	1924	1208	2832	2677
.m:Missing	1	1	1	1	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4485	4238	5156	4552	4269
1.yes	16	15	19	17	17
Value-----	S6LIVDIFCH	S7LIVDIFCH	S8LIVDIFCH	S9LIVDIFCH	
.a:not in survey when asked	3293	3088	2653	3172	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3933	3457	3022	2636	
1.yes	16	15	13	12	
Value-----	RAPADIVCH				
.a:not in survey when asked	11952				
.d:DK	2				
.m:Missing	4				
.o:other situation	500				
.r:Refuse	1				
0.no	6880				
1.yes	463				
Value-----	S1PADIVCH	S2PADIVCH	S3PADIVCH	S4PADIVCH	S5PADIVCH
.a:not in survey when asked	3568	1924	1208	2832	2677
.d:DK	1	1	1	1	1
.m:Missing	2	2	2	1	1
.o:other situation	273	260	293	246	223
.r:Refuse	1	1	1		
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3994	3779	4584	4063	3815
1.yes	231	211	295	259	247
Value-----	S6PADIVCH	S7PADIVCH	S8PADIVCH	S9PADIVCH	
.a:not in survey when asked	3293	3088	2653	3172	
.d:DK	1	1	1	1	
.o:other situation	200	171	141	121	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3516	3090	2701	2364	
1.yes	232	210	192	162	
Value-----	RASEPMOM				
.a:not in survey when asked	11952				
.d:DK	10				
.m:Missing	5				
.r:Refuse	1				
0.no	6692				
1.yes	1142				
Value-----	S1SEPMOM	S2SEPMOM	S3SEPMOM	S4SEPMOM	S5SEPMOM
.a:not in survey when asked	3568	1924	1208	2832	2677
.d:DK	6	5	7	6	6
.m:Missing	3	3	3	2	2
.r:Refuse	1	1	1		
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3820	3614	4437	3921	3690
1.yes	672	631	728	641	589
Value-----	S6SEPMOM	S7SEPMOM	S8SEPMOM	S9SEPMOM	
.a:not in survey when asked	3293	3088	2653	3172	
.d:DK	5	6	6	4	
.m:Missing	1	1	1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3417	3007	2639	2313	
1.yes	526	458	389	330	

## How Constructed

RAMISCHLTH indicates whether the respondent missed a month or more of school before age 16 because of a health condition.

RAPABUSED indicates whether the respondent was physically abused by either of their parents before age 16.

RAPADRUG indicates whether either of the respondent's parents drank excessively, took drugs or had mental health problems before age 16.

RANADISE indicates whether the respondent has ever been in a major fire, flood, earthquake or other natural disaster.

RACOMBATE indicates whether the respondent has ever fired a weapon in combat or been fired upon in combat.

RAATTACKE indicates whether the respondent was a victim of a serious physical attack or assault.

RALIFETHE indicates whether the respondent ever had a life-threatening illness or accident.

A code of 1 is assigned if the respondent gave a positive answer to the question. A code of 0 is assigned if the respondent gave a negative answer to the question. Special missing .a is assigned if the respondent was not interviewed for the life history questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the life history questionnaire but their response for the question is missing. Don't know and refused are assigned special missing values .d and .r, respectively.

RANADISCH indicates whether the respondent has ever been in a major fire, flood, earthquake or other natural disaster before age 16.

RACOMBATCH indicates whether the respondent has ever fired a weapon in combat or been fired upon in combat before age 16.

RAATTACKCH indicates whether the respondent was a victim of a serious physical attack or assault before age 16.

RALIFETHCH indicates whether the respondent ever had a life-threatening illness or accident before age 16.

RANADISCH, RACOMBATCH, RAATTACKCH and RALIFETHCH are derived using the age the respondent reported that the event first occurred. If the age is younger than age 16 a value of 1 is assigned. If the age is 16 or older or the event never occurred then a value of 0 is assigned. Special missing .a is assigned if the respondent was not interviewed for the life history questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the life history questionnaire but their response for the question is missing. Don't know and refused are assigned special missing values .d and .r, respectively.

RASFNHE indicates whether the respondent ever experienced severe financial hardship. A code of 1 is assigned if the respondent gave a positive answer to the question. A code of 0 is assigned if the respondent gave a negative answer to the question. Special missing .a is assigned if the respondent was not interviewed for the life history questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the life history questionnaire but their response for the question is missing.

RASFNHCH indicates whether the respondent ever experienced severe financial hardship before age 16. RASFNHCH is derived using the respondent's reported age that the event first occurred. If the age is younger than age 16 then a value of 1 is assigned. If the age is older than or equal to 16 or the event never occurred then a value of 0 is assigned. Special missing .m is assigned if the respondent is eligible for and completed the life history questionnaire but their response for the question is missing.

RALIVDIFFCH indicates whether the respondent experienced a difficult living arrangement before age 16. A code of 1 is assigned if the respondent had ever lived in a children's home, orphanage, a boarding school, armed forces, mental hospital, other hospital, prisoner of war camp, borstal or prison. A code of 0 is assigned if the respondent never lived in a children's home, orphanage, a boarding school, armed forces, mental hospital, other hospital, prisoner of war camp, borstal or prison. Special missing .o is

assigned if the respondent lived in an institution other than the list above. Special missing .a is assigned if the respondent was not interviewed for the life history questionnaire. Special missing .m is assigned if the response for the question is missing.

RAPADIVCH indicates whether the respondent's parents separated or divorced before the respondent was age 16. RASEPMOM indicates whether the respondent was ever separated from their mother for more than 6 months before age 16. A code of 1 is assigned if the respondent agrees with the statement. A code of 0 is assigned if the respondent disagrees with the statement. Special missing .o is assigned if the respondents' parents never lived together, one or both parents died before age 16, or the respondent never lived with parents. Special missing .a is assigned if the respondent was not interviewed for the life history questionnaire. Don't know, refused, or other missing responses to RAPADIVCH are assigned special missing values .d, .r, .m respectively.

SwMISCHLTH, SwPABUSED, SwPADRUG, SwNADISE, SwNADISCH, SwCOMBATE, SwCOMBATCH, SwATTACKE, SwATTACKCH, SwLIFETHE, SwLIFETHCH, SwSFNHE, SwSFNHCH, SwLIVDIFFCH, SwPADIVCH and SwSEPMOM contain the corresponding information for the respondent's current wave's spouse and are taken from the spouse's values to RAMISCHLTH, RAPABUSED, RAPADRUG, RANADISE, RANADISCH, RACOMBATE, RACOMBATCH, RAATTACKE, RAATTACKCH, RALIFETHE, RALIFETHCH, RASFNHE, RASFNHCH, RALIVDIFFCH, RAPADIVCH and RASEPMOM. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RALSEVENT\_E is the count of how many lifetime stressful events the respondent experienced. The count is based on whether the respondent has ever been in a major fire, flood, earthquake or other natural disaster (RANADISE), whether the respondent has ever fired a weapon in combat or been fired upon in combat (RACOMBATE), whether the respondent was a victim of a serious physical attack or assault (RAATTACKE), whether the respondent has ever had a life-threatening illness or accident (RALIFETHE), whether the respondent ever experienced severe financial hardship (RASFNHE), whether the respondent was physically abused by either of their parents before age 16 (RAPABUSED), whether either of the respondent's parents drank excessively, took drugs or had mental health problems before age 16 (RAPADRUG), whether the respondent missed a month or more of school before age 16 because of a health condition (RAMISCHLTH), whether the respondent experienced a difficult living arrangement before age 16 (RALIVDIFFCH), whether the respondent's parents separated or divorced before age 16 (RAPADIVCH), and whether the respondent was ever separated from their mother for more than 6 months before age 16 (RASEPMOM). RALSEVENT\_E is calculated as long as at least one component is not missing. RALSEVENTM\_E is the count of missing components in RALSEVENT\_E, which could be between no missing components (0) and 11 missing components (11). Special missing .a is assigned to RALSEVENT\_E and RALSEVENTM\_E if the respondent did not complete the life history interview. Special missing .m is assigned to RALSEVENT\_E if all 11 components of this count are missing.

SwLSEVENT\_E and SwLSEVENTM\_E are the count of how many lifetime stressful events and the count of missing components for the current wave's spouse's values to RALSEVENTL\_E. In addition to the special missing codes used in RALSEVENT\_E, SwLSEVENT\_E employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RACSEVENT\_E is the count of how many stressful events the respondent experienced by the age of 16. The count is based on whether the respondent has been in a major fire, flood, earthquake or other natural disaster by the age of 16 (RANADISCH), whether the respondent has fired a weapon in combat or been fired upon in combat by the age of 16 (RACOMBATCH), whether the respondent was a victim of a serious physical attack or assault by the age of 16 (RAATTACKCH), whether the respondent had a life-threatening illness or accident by the age of 16 (RALIFETHCH), whether the respondent missed a month or more of school before age 16 because of a health condition (RAMISCHLTH), whether the respondent experienced severe financial hardship before age 16 (RASFNHCH), whether the respondent experienced a difficult living arrangement before age 16 (RALIVDIFFCH), whether the respondent's parents separated or divorced before age 16 (RAPADIVCH), whether the respondent was physically abused by either of their parents before age 16 (RAPABUSED), whether either of the respondent's parents drank excessively, took drugs or had mental health problems before age 16 (RAPADRUG), and whether the respondent was ever separated from their mother for more than 6 months before age 16 (RASEPMOM). RACSEVENT\_E is calculated as long as at least one component is not missing. RACSEVENTM\_E is the count of missing components in RACSEVENT\_E, which could be between no missing components (0) and 11 missing components (11). Special missing .a is assigned to

RACSEVENT\_E and RACSEVENTM\_E if the respondent did not complete the life history interview. Special missing .m is assigned to RACSEVENT\_E if all 11 components of this count were missing.

SwCSEVENT\_E and SwCSEVENTM\_E are the count of how many childhood stressful events and the count of missing components for the current wave's spouse's values to RACSEVENT\_E. In addition to the special missing codes used in RACSEVENT\_E, SwCSEVENT\_E employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

Of note, the Life History Interview also assesses the death of a child and loss of pregnancy/fetus (i.e. miscarriage, abortion, stillbirth), which are stressful life events. However, those data are not included here.

## Cross Wave Differences in ELSA

The questions related to childhood and lifetime events are only available in the life history questionnaire.

## Differences with the RAND HRS/Harmonized HRS

Whether the respondent ever experienced severe financial hardship was not asked in HRS. HRS asks the respondent to rate their financial situation while growing up, whereas ELSA asks the respondent whether they have ever experienced severe financial hardship.

## ELSA Variables Used

Index File:

RETROOUT life history interview outcome

Wave 3 Life History:

RAESS	estimated year started living in accommodation (1st loop)
RAESS10	estimated year started living in accommodation (10th loop)
RAESS11	estimated year started living in accommodation (11th loop)
RAESS12	estimated year started living in accommodation (12th loop)
RAESS13	estimated year started living in accommodation (13th loop)
RAESS14	estimated year started living in accommodation (14th loop)
RAESS15	estimated year started living in accommodation (15th loop)
RAESS16	estimated year started living in accommodation (16th loop)
RAESS17	whether lived in first residence for more than 6 months
RAESS18	estimated year started living in accommodation (18th loop)
RAESS19	other type of non-private residence (19th loop)
RAESS2	estimated year started living in accommodation (2nd loop)
RAESS20	estimated year started living in accommodation (20th loop)
RAESS3	estimated year started living in accommodation (3rd loop)
RAESS4	estimated year started living in accommodation (4th loop)
RAESS5	estimated year started living in accommodation (5th loop)
RAESS6	estimated year started living in accommodation (6th loop)
RAESS7	estimated year started living in accommodation (7th loop)
RAESS8	estimated year started living in accommodation (8th loop)
RAESS9	estimated year started living in accommodation (9th loop)
RAOWN	tenure (1st loop)
RAOWN10	tenure (10th loop)
RAOWN11	tenure (11th loop)
RAOWN12	tenure (12th loop)
RAOWN13	tenure (13th loop)
RAOWN14	tenure (14th loop)
RAOWN15	tenure (15th loop)
RAOWN16	tenure (16th loop)
RAOWN17	tenure (17th loop)
RAOWN18	tenure (18th loop)
RAOWN19	tenure (19th loop)
RAOWN2	tenure (2nd loop)

RAOWN20 tenure (20th loop)  
 RAOWN3 tenure (3rd loop)  
 RAOWN4 tenure (4th loop)  
 RAOWN5 tenure (5th loop)  
 RAOWN6 tenure (6th loop)  
 RAOWN7 tenure (7th loop)  
 RAOWN8 tenure (8th loop)  
 RAOWN9 tenure (9th loop)  
 RAPRI type of non-private residence (1st loop)  
 RAPRI10 type of non-private residence (10th loop)  
 RAPRI11 type of non-private residence (11th loop)  
 RAPRI12 type of non-private residence (12th loop)  
 RAPRI13 type of non-private residence (13th loop)  
 RAPRI14 type of non-private residence (14th loop)  
 RAPRI15 type of non-private residence (15th loop)  
 RAPRI16 type of non-private residence (16th loop)  
 RAPRI17 type of non-private residence (17th loop)  
 RAPRI18 type of non-private residence (18th loop)  
 RAPRI19 type of non-private residence (19th loop)  
 RAPRI2 type of non-private residence (2nd loop)  
 RAPRI20 type of non-private residence (20th loop)  
 RAPRI3 type of non-private residence (3rd loop)  
 RAPRI4 type of non-private residence (4th loop)  
 RAPRI5 type of non-private residence (5th loop)  
 RAPRI6 type of non-private residence (6th loop)  
 RAPRI7 type of non-private residence (7th loop)  
 RAPRI8 type of non-private residence (8th loop)  
 RAPRI9 type of non-private residence (9th loop)  
 RASTB year started living in accommodation if gap (1st loop) -  
 RASTB10 year started living in accommodation if gap (10th loop)  
 RASTB11 year started living in accommodation if gap (11th loop)  
 RASTB12 year started living in accommodation if gap (12th loop)  
 RASTB13 year started living in accommodation if gap (13th loop)  
 RASTB14 year started living in accommodation if gap (14th loop)  
 RASTB15 year started living in accommodation if gap (15th loop)  
 RASTB16 year started living in accommodation if gap (16th loop)  
 RASTB17 year started living in accommodation if gap (17th loop)  
 RASTB18 year started living in accommodation if gap (18th loop)  
 RASTB19 year started living in accommodation if gap (19th loop)  
 RASTB2 year started living in accommodation if gap (2nd loop) -  
 RASTB20 year started living in accommodation if gap (20th loop)  
 RASTB3 year started living in accommodation if gap (3rd loop) -  
 RASTB4 year started living in accommodation if gap (4th loop) -  
 RASTB5 year started living in accommodation if gap (5th loop) -  
 RASTB6 year started living in accommodation if gap (6th loop) -  
 RASTB7 year started living in accommodation if gap (7th loop) -  
 RASTB8 year started living in accommodation if gap (8th loop) -  
 RASTB9 year started living in accommodation if gap (9th loop) -  
 RHCIB if missed school for over a month due to health as a chi  
 RSATTAC ever been a victim of serious physical attack or assault  
 RSATTACY age when first experienced being a victim of serious phy  
 RSDISAS ever experienced a major fire, flood, earthquake or othe  
 RSDISASY age first experienced a major fire, flood, earthquake or  
 RSFINAN ever experienced severe financial hardship  
 RSFINANY age first experienced severe financial hardship  
 RSFIRED ever fired a weapon in combat or been fired upon  
 RSFIREDY age first fired a weapon in combat or been fired upon  
 RSILL ever had a life-threatening illness or accident  
 RSILLY age when first experienced a life-threatening illness o



<b>Parental Warmth</b>
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Wave	Variable	Label	Type
1	RAMOMLET	ramomlet:before age 16 r's mother let them do the things the	Categ
1	S1MOMLET	s1momlet:w1 before age 16 s's mother let them do the things	Categ
2	S2MOMLET	s2momlet:w2 before age 16 s's mother let them do the things	Categ
3	S3MOMLET	s3momlet:w3 before age 16 s's mother let them do the things	Categ
4	S4MOMLET	s4momlet:w4 before age 16 s's mother let them do the things	Categ
5	S5MOMLET	s5momlet:w5 before age 16 s's mother let them do the things	Categ
6	S6MOMLET	s6momlet:w6 before age 16 s's mother let them do the things	Categ
7	S7MOMLET	s7momlet:w7 before age 16 s's mother let them do the things	Categ
8	S8MOMLET	s8momlet:w8 before age 16 s's mother let them do the things	Categ
9	S9MOMLET	s9momlet:w9 before age 16 s's mother let them do the things	Categ
1	RADADLET	radadlet:before age 16 r's father let them do the things the	Categ
1	S1DADLET	s1dadlet:w1 before age 16 s's father let them do the things	Categ
2	S2DADLET	s2dadlet:w2 before age 16 s's father let them do the things	Categ
3	S3DADLET	s3dadlet:w3 before age 16 s's father let them do the things	Categ
4	S4DADLET	s4dadlet:w4 before age 16 s's father let them do the things	Categ
5	S5DADLET	s5dadlet:w5 before age 16 s's father let them do the things	Categ
6	S6DADLET	s6dadlet:w6 before age 16 s's father let them do the things	Categ
7	S7DADLET	s7dadlet:w7 before age 16 s's father let them do the things	Categ
8	S8DADLET	s8dadlet:w8 before age 16 s's father let them do the things	Categ
9	S9DADLET	s9dadlet:w9 before age 16 s's father let them do the things	Categ
1	RAMOMECCOLD	ramomeccold:before age 16 r's mother was emotionally cold to	Categ
1	S1MOMECCOLD	s1momeccold:w1 before age 16 s's mother was emotionally cold	Categ
2	S2MOMECCOLD	s2momeccold:w2 before age 16 s's mother was emotionally cold	Categ
3	S3MOMECCOLD	s3momeccold:w3 before age 16 s's mother was emotionally cold	Categ
4	S4MOMECCOLD	s4momeccold:w4 before age 16 s's mother was emotionally cold	Categ
5	S5MOMECCOLD	s5momeccold:w5 before age 16 s's mother was emotionally cold	Categ
6	S6MOMECCOLD	s6momeccold:w6 before age 16 s's mother was emotionally cold	Categ
7	S7MOMECCOLD	s7momeccold:w7 before age 16 s's mother was emotionally cold	Categ
8	S8MOMECCOLD	s8momeccold:w8 before age 16 s's mother was emotionally cold	Categ
9	S9MOMECCOLD	s9momeccold:w9 before age 16 s's mother was emotionally cold	Categ
1	RADADECOLD	radadecold:before age 16 r's father was emotionally cold to	Categ
1	S1DADECOLD	s1dadecold:w1 before age 16 s's father was emotionally cold	Categ
2	S2DADECOLD	s2dadecold:w2 before age 16 s's father was emotionally cold	Categ
3	S3DADECOLD	s3dadecold:w3 before age 16 s's father was emotionally cold	Categ
4	S4DADECOLD	s4dadecold:w4 before age 16 s's father was emotionally cold	Categ
5	S5DADECOLD	s5dadecold:w5 before age 16 s's father was emotionally cold	Categ
6	S6DADECOLD	s6dadecold:w6 before age 16 s's father was emotionally cold	Categ
7	S7DADECOLD	s7dadecold:w7 before age 16 s's father was emotionally cold	Categ
8	S8DADECOLD	s8dadecold:w8 before age 16 s's father was emotionally cold	Categ
9	S9DADECOLD	s9dadecold:w9 before age 16 s's father was emotionally cold	Categ
1	RAMOMUNDSTD	ramomundstd:before age 16 r's mother appeared to understand	Categ
1	S1MOMUNDSTD	s1momundstd:w1 before age 16 s's mother appeared to understand	Categ
2	S2MOMUNDSTD	s2momundstd:w2 before age 16 s's mother appeared to understand	Categ
3	S3MOMUNDSTD	s3momundstd:w3 before age 16 s's mother appeared to understand	Categ
4	S4MOMUNDSTD	s4momundstd:w4 before age 16 s's mother appeared to understand	Categ
5	S5MOMUNDSTD	s5momundstd:w5 before age 16 s's mother appeared to understand	Categ
6	S6MOMUNDSTD	s6momundstd:w6 before age 16 s's mother appeared to understand	Categ
7	S7MOMUNDSTD	s7momundstd:w7 before age 16 s's mother appeared to understand	Categ

8	S8MOMUNDSTD	s8momundstd:w8 before age 16 s's mother appeared to understa	Categ
9	S9MOMUNDSTD	s9momundstd:w9 before age 16 s's mother appeared to understa	Categ
1	RADADUNDSTD	radadundstd:before age 16 r's father appeared to understand	Categ
1	S1DADUNDSTD	s1dadundstd:w1 before age 16 s's father appeared to understa	Categ
2	S2DADUNDSTD	s2dadundstd:w2 before age 16 s's father appeared to understa	Categ
3	S3DADUNDSTD	s3dadundstd:w3 before age 16 s's father appeared to understa	Categ
4	S4DADUNDSTD	s4dadundstd:w4 before age 16 s's father appeared to understa	Categ
5	S5DADUNDSTD	s5dadundstd:w5 before age 16 s's father appeared to understa	Categ
6	S6DADUNDSTD	s6dadundstd:w6 before age 16 s's father appeared to understa	Categ
7	S7DADUNDSTD	s7dadundstd:w7 before age 16 s's father appeared to understa	Categ
8	S8DADUNDSTD	s8dadundstd:w8 before age 16 s's father appeared to understa	Categ
9	S9DADUNDSTD	s9dadundstd:w9 before age 16 s's father appeared to understa	Categ
1	RAMOMDECISN	ramomdecisn:before age 16 r's mother liked r to make their o	Categ
1	S1MOMDECISN	s1momdecisn:w1 before age 16 s's mother liked s to make thei	Categ
2	S2MOMDECISN	s2momdecisn:w2 before age 16 s's mother liked s to make thei	Categ
3	S3MOMDECISN	s3momdecisn:w3 before age 16 s's mother liked s to make thei	Categ
4	S4MOMDECISN	s4momdecisn:w4 before age 16 s's mother liked s to make thei	Categ
5	S5MOMDECISN	s5momdecisn:w5 before age 16 s's mother liked s to make thei	Categ
6	S6MOMDECISN	s6momdecisn:w6 before age 16 s's mother liked s to make thei	Categ
7	S7MOMDECISN	s7momdecisn:w7 before age 16 s's mother liked s to make thei	Categ
8	S8MOMDECISN	s8momdecisn:w8 before age 16 s's mother liked s to make thei	Categ
9	S9MOMDECISN	s9momdecisn:w9 before age 16 s's mother liked s to make thei	Categ
1	RADADDECISN	radaddecisn:before age 16 r's father liked r to make their o	Categ
1	S1DADDECISN	s1daddecisn:w1 before age 16 s's father liked s to make thei	Categ
2	S2DADDECISN	s2daddecisn:w2 before age 16 s's father liked s to make thei	Categ
3	S3DADDECISN	s3daddecisn:w3 before age 16 s's father liked s to make thei	Categ
4	S4DADDECISN	s4daddecisn:w4 before age 16 s's father liked s to make thei	Categ
5	S5DADDECISN	s5daddecisn:w5 before age 16 s's father liked s to make thei	Categ
6	S6DADDECISN	s6daddecisn:w6 before age 16 s's father liked s to make thei	Categ
7	S7DADDECISN	s7daddecisn:w7 before age 16 s's father liked s to make thei	Categ
8	S8DADDECISN	s8daddecisn:w8 before age 16 s's father liked s to make thei	Categ
9	S9DADDECISN	s9daddecisn:w9 before age 16 s's father liked s to make thei	Categ
1	RAMOMNOTWA	ramomnotwa:r's mother made r feel like r was not wanted	Categ
1	S1MOMNOTWA	s1momnotwa:w1 s's mother made s feel like s was not wanted	Categ
2	S2MOMNOTWA	s2momnotwa:w2 s's mother made s feel like s was not wanted	Categ
3	S3MOMNOTWA	s3momnotwa:w3 s's mother made s feel like s was not wanted	Categ
4	S4MOMNOTWA	s4momnotwa:w4 s's mother made s feel like s was not wanted	Categ
5	S5MOMNOTWA	s5momnotwa:w5 s's mother made s feel like s was not wanted	Categ
6	S6MOMNOTWA	s6momnotwa:w6 s's mother made s feel like s was not wanted	Categ
7	S7MOMNOTWA	s7momnotwa:w7 s's mother made s feel like s was not wanted	Categ
8	S8MOMNOTWA	s8momnotwa:w8 s's mother made s feel like s was not wanted	Categ
9	S9MOMNOTWA	s9momnotwa:w9 s's mother made s feel like s was not wanted	Categ
1	RADADNOTWA	radadnotwa:r's father made r feel like r was not wanted	Categ
1	S1DADNOTWA	s1dadnotwa:w1 s's father made s feel like s was not wanted	Categ
2	S2DADNOTWA	s2dadnotwa:w2 s's father made s feel like s was not wanted	Categ
3	S3DADNOTWA	s3dadnotwa:w3 s's father made s feel like s was not wanted	Categ
4	S4DADNOTWA	s4dadnotwa:w4 s's father made s feel like s was not wanted	Categ
5	S5DADNOTWA	s5dadnotwa:w5 s's father made s feel like s was not wanted	Categ
6	S6DADNOTWA	s6dadnotwa:w6 s's father made s feel like s was not wanted	Categ
7	S7DADNOTWA	s7dadnotwa:w7 s's father made s feel like s was not wanted	Categ
8	S8DADNOTWA	s8dadnotwa:w8 s's father made s feel like s was not wanted	Categ
9	S9DADNOTWA	s9dadnotwa:w9 s's father made s feel like s was not wanted	Categ

1	RAPWARM_E	rapwarm_e:r's parental warmth summary mean score	Cont
1	S1PWARM_E	s1pwarm_e:w1 s's parental warmth summary mean score	Cont
2	S2PWARM_E	s2pwarm_e:w2 s's parental warmth summary mean score	Cont
3	S3PWARM_E	s3pwarm_e:w3 s's parental warmth summary mean score	Cont
4	S4PWARM_E	s4pwarm_e:w4 s's parental warmth summary mean score	Cont
5	S5PWARM_E	s5pwarm_e:w5 s's parental warmth summary mean score	Cont
6	S6PWARM_E	s6pwarm_e:w6 s's parental warmth summary mean score	Cont
7	S7PWARM_E	s7pwarm_e:w7 s's parental warmth summary mean score	Cont
8	S8PWARM_E	s8pwarm_e:w8 s's parental warmth summary mean score	Cont
9	S9PWARM_E	s9pwarm_e:w9 s's parental warmth summary mean score	Cont
1	RAPWARMM_E	rapwarmm_e:missings in r's parental warmth summary mean scor	Cont
1	S1PWARMM_E	s1pwarmm_e:w1 missings in s's parental warmth summary mean s	Cont
2	S2PWARMM_E	s2pwarmm_e:w2 missings in s's parental warmth summary mean s	Cont
3	S3PWARMM_E	s3pwarmm_e:w3 missings in s's parental warmth summary mean s	Cont
4	S4PWARMM_E	s4pwarmm_e:w4 missings in s's parental warmth summary mean s	Cont
5	S5PWARMM_E	s5pwarmm_e:w5 missings in s's parental warmth summary mean s	Cont
6	S6PWARMM_E	s6pwarmm_e:w6 missings in s's parental warmth summary mean s	Cont
7	S7PWARMM_E	s7pwarmm_e:w7 missings in s's parental warmth summary mean s	Cont
8	S8PWARMM_E	s8pwarmm_e:w8 missings in s's parental warmth summary mean s	Cont
9	S9PWARMM_E	s9pwarmm_e:w9 missings in s's parental warmth summary mean s	Cont
1	RAMWARM_E	ramwarm_e:r's maternal warmth summary mean score	Cont
1	S1MWARM_E	s1mwarm_e:w1 s's maternal warmth summary mean score	Cont
2	S2MWARM_E	s2mwarm_e:w2 s's maternal warmth summary mean score	Cont
3	S3MWARM_E	s3mwarm_e:w3 s's maternal warmth summary mean score	Cont
4	S4MWARM_E	s4mwarm_e:w4 s's maternal warmth summary mean score	Cont
5	S5MWARM_E	s5mwarm_e:w5 s's maternal warmth summary mean score	Cont
6	S6MWARM_E	s6mwarm_e:w6 s's maternal warmth summary mean score	Cont
7	S7MWARM_E	s7mwarm_e:w7 s's maternal warmth summary mean score	Cont
8	S8MWARM_E	s8mwarm_e:w8 s's maternal warmth summary mean score	Cont
9	S9MWARM_E	s9mwarm_e:w9 s's maternal warmth summary mean score	Cont
1	RAMWARMM_E	ramwarmm_e:missings in r's maternal warmth summary mean scor	Cont
1	S1MWARMM_E	s1mwarmm_e:w1 missings in s's maternal warmth summary mean s	Cont
2	S2MWARMM_E	s2mwarmm_e:w2 missings in s's maternal warmth summary mean s	Cont
3	S3MWARMM_E	s3mwarmm_e:w3 missings in s's maternal warmth summary mean s	Cont
4	S4MWARMM_E	s4mwarmm_e:w4 missings in s's maternal warmth summary mean s	Cont
5	S5MWARMM_E	s5mwarmm_e:w5 missings in s's maternal warmth summary mean s	Cont
6	S6MWARMM_E	s6mwarmm_e:w6 missings in s's maternal warmth summary mean s	Cont
7	S7MWARMM_E	s7mwarmm_e:w7 missings in s's maternal warmth summary mean s	Cont
8	S8MWARMM_E	s8mwarmm_e:w8 missings in s's maternal warmth summary mean s	Cont
9	S9MWARMM_E	s9mwarmm_e:w9 missings in s's maternal warmth summary mean s	Cont
1	RADWARM_E	radwarm_e:r's paternal warmth summary mean score	Cont
1	S1DWARM_E	s1dwarm_e:w1 s's paternal warmth summary mean score	Cont
2	S2DWARM_E	s2dwarm_e:w2 s's paternal warmth summary mean score	Cont
3	S3DWARM_E	s3dwarm_e:w3 s's paternal warmth summary mean score	Cont
4	S4DWARM_E	s4dwarm_e:w4 s's paternal warmth summary mean score	Cont
5	S5DWARM_E	s5dwarm_e:w5 s's paternal warmth summary mean score	Cont
6	S6DWARM_E	s6dwarm_e:w6 s's paternal warmth summary mean score	Cont
7	S7DWARM_E	s7dwarm_e:w7 s's paternal warmth summary mean score	Cont
8	S8DWARM_E	s8dwarm_e:w8 s's paternal warmth summary mean score	Cont
9	S9DWARM_E	s9dwarm_e:w9 s's paternal warmth summary mean score	Cont
1	RADWARMM_E	radwarmm_e:missings in r's paternal warmth summary mean scor	Cont
1	S1DWARMM_E	s1dwarmm_e:w1 missings in s's paternal warmth summary mean s	Cont

2	S2DWARMM_E	s2dwarmm_e:w2	missings in s's paternal warmth summary mean s	Cont
3	S3DWARMM_E	s3dwarmm_e:w3	missings in s's paternal warmth summary mean s	Cont
4	S4DWARMM_E	s4dwarmm_e:w4	missings in s's paternal warmth summary mean s	Cont
5	S5DWARMM_E	s5dwarmm_e:w5	missings in s's paternal warmth summary mean s	Cont
6	S6DWARMM_E	s6dwarmm_e:w6	missings in s's paternal warmth summary mean s	Cont
7	S7DWARMM_E	s7dwarmm_e:w7	missings in s's paternal warmth summary mean s	Cont
8	S8DWARMM_E	s8dwarmm_e:w8	missings in s's paternal warmth summary mean s	Cont
9	S9DWARMM_E	s9dwarmm_e:w9	missings in s's paternal warmth summary mean s	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAMOMLET	6383	3.03	0.66	1.00	4.00
S1MOMLET	3835	3.04	0.64	1.00	4.00
S2MOMLET	3643	3.04	0.64	1.00	4.00
S3MOMLET	4398	3.04	0.64	1.00	4.00
S4MOMLET	3928	3.03	0.64	1.00	4.00
S5MOMLET	3676	3.04	0.64	1.00	4.00
S6MOMLET	3383	3.03	0.65	1.00	4.00
S7MOMLET	2981	3.03	0.65	1.00	4.00
S8MOMLET	2601	3.03	0.65	1.00	4.00
S9MOMLET	2263	3.03	0.65	1.00	4.00
RADADLET	6178	3.03	0.70	1.00	4.00
S1DADLET	3710	3.03	0.69	1.00	4.00
S2DADLET	3537	3.02	0.68	1.00	4.00
S3DADLET	4280	3.03	0.69	1.00	4.00
S4DADLET	3835	3.02	0.68	1.00	4.00
S5DADLET	3591	3.02	0.69	1.00	4.00
S6DADLET	3304	3.01	0.70	1.00	4.00
S7DADLET	2916	3.01	0.69	1.00	4.00
S8DADLET	2546	2.99	0.69	1.00	4.00
S9DADLET	2216	3.00	0.69	1.00	4.00
RAMOME COLD	6306	3.38	0.80	1.00	4.00
S1MOME COLD	3797	3.40	0.78	1.00	4.00
S2MOME COLD	3612	3.40	0.78	1.00	4.00
S3MOME COLD	4362	3.39	0.79	1.00	4.00
S4MOME COLD	3896	3.40	0.79	1.00	4.00
S5MOME COLD	3650	3.39	0.79	1.00	4.00
S6MOME COLD	3365	3.39	0.79	1.00	4.00
S7MOME COLD	2968	3.38	0.79	1.00	4.00
S8MOME COLD	2588	3.37	0.80	1.00	4.00
S9MOME COLD	2258	3.36	0.81	1.00	4.00
RADADECOLD	6132	3.27	0.82	1.00	4.00
S1DADECOLD	3700	3.29	0.81	1.00	4.00
S2DADECOLD	3531	3.28	0.81	1.00	4.00
S3DADECOLD	4267	3.27	0.81	1.00	4.00
S4DADECOLD	3825	3.27	0.81	1.00	4.00
S5DADECOLD	3578	3.27	0.81	1.00	4.00
S6DADECOLD	3298	3.26	0.82	1.00	4.00
S7DADECOLD	2909	3.24	0.82	1.00	4.00
S8DADECOLD	2537	3.23	0.83	1.00	4.00
S9DADECOLD	2207	3.23	0.82	1.00	4.00
RAMOMUNDSTD	6349	2.95	0.74	1.00	4.00

S1MOMUNDSTD	3808	2.96	0.72	1.00	4.00
S2MOMUNDSTD	3622	2.96	0.72	1.00	4.00
S3MOMUNDSTD	4371	2.95	0.73	1.00	4.00
S4MOMUNDSTD	3905	2.94	0.73	1.00	4.00
S5MOMUNDSTD	3653	2.93	0.73	1.00	4.00
S6MOMUNDSTD	3360	2.93	0.73	1.00	4.00
S7MOMUNDSTD	2962	2.93	0.73	1.00	4.00
S8MOMUNDSTD	2579	2.92	0.74	1.00	4.00
S9MOMUNDSTD	2249	2.92	0.74	1.00	4.00
RADADUNDSTD	6138	2.75	0.76	1.00	4.00
S1DADUNDSTD	3689	2.76	0.75	1.00	4.00
S2DADUNDSTD	3523	2.76	0.75	1.00	4.00
S3DADUNDSTD	4261	2.75	0.76	1.00	4.00
S4DADUNDSTD	3820	2.75	0.75	1.00	4.00
S5DADUNDSTD	3579	2.74	0.75	1.00	4.00
S6DADUNDSTD	3294	2.74	0.75	1.00	4.00
S7DADUNDSTD	2906	2.72	0.75	1.00	4.00
S8DADUNDSTD	2538	2.70	0.75	1.00	4.00
S9DADUNDSTD	2206	2.71	0.75	1.00	4.00
RAMOMDECISN	6315	2.87	0.67	1.00	4.00
S1MOMDECISN	3795	2.88	0.65	1.00	4.00
S2MOMDECISN	3614	2.88	0.65	1.00	4.00
S3MOMDECISN	4361	2.87	0.65	1.00	4.00
S4MOMDECISN	3901	2.86	0.65	1.00	4.00
S5MOMDECISN	3647	2.86	0.65	1.00	4.00
S6MOMDECISN	3360	2.86	0.66	1.00	4.00
S7MOMDECISN	2962	2.86	0.65	1.00	4.00
S8MOMDECISN	2577	2.85	0.65	1.00	4.00
S9MOMDECISN	2250	2.85	0.65	1.00	4.00
RADADDECISN	6124	2.90	0.69	1.00	4.00
S1DADDECISN	3689	2.90	0.67	1.00	4.00
S2DADDECISN	3522	2.89	0.67	1.00	4.00
S3DADDECISN	4258	2.90	0.67	1.00	4.00
S4DADDECISN	3820	2.90	0.67	1.00	4.00
S5DADDECISN	3573	2.90	0.67	1.00	4.00
S6DADDECISN	3289	2.91	0.68	1.00	4.00
S7DADDECISN	2901	2.91	0.67	1.00	4.00
S8DADDECISN	2528	2.90	0.69	1.00	4.00
S9DADDECISN	2202	2.90	0.68	1.00	4.00
RAMOMNOTWA	6295	3.56	0.74	1.00	4.00
S1MOMNOTWA	3789	3.58	0.72	1.00	4.00
S2MOMNOTWA	3608	3.58	0.72	1.00	4.00
S3MOMNOTWA	4354	3.57	0.72	1.00	4.00
S4MOMNOTWA	3890	3.58	0.71	1.00	4.00
S5MOMNOTWA	3645	3.58	0.71	1.00	4.00
S6MOMNOTWA	3360	3.58	0.71	1.00	4.00
S7MOMNOTWA	2961	3.57	0.73	1.00	4.00
S8MOMNOTWA	2582	3.57	0.73	1.00	4.00
S9MOMNOTWA	2256	3.56	0.73	1.00	4.00
RADADNOTWA	6119	3.50	0.73	1.00	4.00
S1DADNOTWA	3693	3.52	0.72	1.00	4.00
S2DADNOTWA	3526	3.52	0.72	1.00	4.00
S3DADNOTWA	4257	3.50	0.73	1.00	4.00

S4DADNOTWA	3811	3.52	0.72	1.00	4.00
S5DADNOTWA	3567	3.51	0.72	1.00	4.00
S6DADNOTWA	3287	3.51	0.73	1.00	4.00
S7DADNOTWA	2899	3.50	0.73	1.00	4.00
S8DADNOTWA	2529	3.49	0.73	1.00	4.00
S9DADNOTWA	2201	3.50	0.72	1.00	4.00
RAPWARM_E	6513	3.12	0.50	1.00	4.00
S1PWARM_E	3898	3.13	0.48	1.00	4.00
S2PWARM_E	3702	3.13	0.48	1.00	4.00
S3PWARM_E	4466	3.13	0.49	1.00	4.00
S4PWARM_E	3986	3.13	0.48	1.00	4.00
S5PWARM_E	3731	3.12	0.49	1.00	4.00
S6PWARM_E	3431	3.12	0.49	1.00	4.00
S7PWARM_E	3025	3.11	0.49	1.00	4.00
S8PWARM_E	2634	3.10	0.50	1.00	4.00
S9PWARM_E	2290	3.11	0.49	1.00	4.00
RAPWARMM_E	7842	2.05	3.83	0.00	10.00
S1PWARMM_E	4502	1.67	3.51	0.00	10.00
S2PWARMM_E	4254	1.60	3.46	0.00	10.00
S3PWARMM_E	5175	1.66	3.53	0.00	10.00
S4PWARMM_E	4569	1.55	3.43	0.00	10.00
S5PWARMM_E	4286	1.56	3.45	0.00	10.00
S6PWARMM_E	3948	1.57	3.46	0.00	10.00
S7PWARMM_E	3471	1.54	3.44	0.00	10.00
S8PWARMM_E	3034	1.56	3.46	0.00	10.00
S9PWARMM_E	2647	1.57	3.49	0.00	10.00
RAMWARM_E	6479	3.16	0.56	1.00	4.00
S1MWARM_E	3879	3.17	0.53	1.00	4.00
S2MWARM_E	3685	3.17	0.53	1.00	4.00
S3MWARM_E	4444	3.16	0.54	1.00	4.00
S4MWARM_E	3967	3.16	0.54	1.00	4.00
S5MWARM_E	3712	3.16	0.54	1.00	4.00
S6MWARM_E	3414	3.16	0.55	1.00	4.00
S7MWARM_E	3011	3.15	0.55	1.00	4.00
S8MWARM_E	2623	3.15	0.55	1.00	4.00
S9MWARM_E	2282	3.14	0.55	1.00	4.00
RAMWARMM_E	7842	0.97	1.92	0.00	5.00
S1MWARMM_E	4502	0.77	1.75	0.00	5.00
S2MWARMM_E	4254	0.75	1.73	0.00	5.00
S3MWARMM_E	5175	0.78	1.77	0.00	5.00
S4MWARMM_E	4569	0.73	1.72	0.00	5.00
S5MWARMM_E	4286	0.74	1.73	0.00	5.00
S6MWARMM_E	3948	0.74	1.73	0.00	5.00
S7MWARMM_E	3471	0.73	1.72	0.00	5.00
S8MWARMM_E	3034	0.74	1.73	0.00	5.00
S9MWARMM_E	2647	0.74	1.74	0.00	5.00
RADWARM_E	6288	3.09	0.57	1.00	4.00
S1DWARM_E	3768	3.10	0.56	1.00	4.00
S2DWARM_E	3590	3.09	0.56	1.00	4.00
S3DWARM_E	4336	3.09	0.56	1.00	4.00
S4DWARM_E	3884	3.09	0.56	1.00	4.00
S5DWARM_E	3634	3.09	0.56	1.00	4.00
S6DWARM_E	3344	3.08	0.57	1.00	4.00

S7DWARM_E	2950	3.07	0.56	1.00	4.00
S8DWARM_E	2572	3.06	0.57	1.00	4.00
S9DWARM_E	2236	3.07	0.57	1.00	4.00
RADWARMM_E	7842	1.09	2.01	0.00	5.00
S1DWARMM_E	4502	0.89	1.87	0.00	5.00
S2DWARMM_E	4254	0.85	1.84	0.00	5.00
S3DWARMM_E	5175	0.88	1.87	0.00	5.00
S4DWARMM_E	4569	0.82	1.81	0.00	5.00
S5DWARMM_E	4286	0.83	1.82	0.00	5.00
S6DWARMM_E	3948	0.83	1.82	0.00	5.00
S7DWARMM_E	3471	0.81	1.81	0.00	5.00
S8DWARMM_E	3034	0.82	1.82	0.00	5.00
S9DWARMM_E	2647	0.83	1.83	0.00	5.00

### Categorical Variable Codes

Value-----	RAMOMLET
.a:not in survey when asked	13225
.m:Missing	194
1.strongly disagree	166
2.disagree	774
3.agree	4131
4.strongly agree	1312

Value-----	S1MOMLET	S2MOMLET	S3MOMLET	S4MOMLET	S5MOMLET
.a:not in survey when asked	4137	2445	1884	3387	3208
.m:Missing	98	90	102	87	80
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.strongly disagree	97	87	107	95	93
2.disagree	436	417	513	463	419
3.agree	2534	2418	2893	2582	2424
4.strongly agree	768	721	885	788	740

Value-----	S6MOMLET	S7MOMLET	S8MOMLET	S9MOMLET
.a:not in survey when asked	3789	3517	3038	3514
.m:Missing	70	62	49	43
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.strongly disagree	89	76	67	55
2.disagree	394	352	315	279
3.agree	2217	1959	1694	1470
4.strongly agree	683	594	525	459

Value-----	RADADLET
.a:not in survey when asked	13226
.m:Missing	398
1.strongly disagree	225
2.disagree	777
3.agree	3784
4.strongly agree	1392

Value-----	S1DADLET	S2DADLET	S3DADLET	S4DADLET	S5DADLET
.a:not in survey when asked	4137	2445	1885	3388	3209
.m:Missing	223	196	219	179	164
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.strongly disagree	128	123	149	123	120
2.disagree	434	413	513	474	451
3.agree	2350	2257	2698	2429	2257
4.strongly agree	798	744	920	809	763

Value-----	S6DADLET	S7DADLET	S8DADLET	S9DADLET
.a:not in survey when asked	3790	3518	3039	3515
.m:Missing	148	126	103	89

.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.strongly disagree	119	101	93	75	
2.disagree	422	378	341	298	
3.agree	2054	1833	1600	1388	
4.strongly agree	709	604	512	455	
Value-----	RAMOMECOLD				
.a:not in survey when asked	13225				
.m:Missing	271				
1.strongly agree	207				
2.agree	660				
3.disagree	1969				
4.strongly disagree	3470				
Value-----	S1MOMECOLD	S2MOMECOLD	S3MOMECOLD	S4MOMECOLD	S5MOMECOLD
.a:not in survey when asked	4137	2445	1884	3387	3208
.m:Missing	136	121	138	119	106
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.strongly agree	107	104	127	113	109
2.agree	369	355	448	398	367
3.disagree	1211	1159	1393	1220	1178
4.strongly disagree	2110	1994	2394	2165	1996
Value-----	S6MOMECOLD	S7MOMECOLD	S8MOMECOLD	S9MOMECOLD	
.a:not in survey when asked	3789	3517	3038	3514	
.m:Missing	88	75	62	48	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.strongly agree	101	93	86	81	
2.agree	344	307	273	236	
3.disagree	1067	961	837	733	
4.strongly disagree	1853	1607	1392	1208	
Value-----	RADADECOLD				
.a:not in survey when asked	13226				
.m:Missing	444				
1.strongly agree	236				
2.agree	743				
3.disagree	2296				
4.strongly disagree	2857				
Value-----	S1DADECOLD	S2DADECOLD	S3DADECOLD	S4DADECOLD	S5DADECOLD
.a:not in survey when asked	4137	2445	1885	3388	3209
.m:Missing	233	202	232	189	177
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.strongly agree	134	131	159	137	133
2.agree	424	404	515	459	435
3.disagree	1381	1336	1629	1455	1358
4.strongly disagree	1761	1660	1964	1774	1652
Value-----	S6DADECOLD	S7DADECOLD	S8DADECOLD	S9DADECOLD	
.a:not in survey when asked	3790	3518	3039	3515	
.m:Missing	154	133	112	98	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.strongly agree	125	115	106	86	
2.agree	409	366	333	287	
3.disagree	1246	1135	980	859	
4.strongly disagree	1518	1293	1118	975	
Value-----	RAMOMUNDSTD				
.a:not in survey when asked	13225				
.m:Missing	228				
1.strongly disagree	274				
2.disagree	1062				
3.agree	3710				
4.strongly agree	1303				



Value-----	S1MOMUNDSTD	S2MOMUNDSTD	S3MOMUNDSTD	S4MOMUNDSTD	S5MOMUNDSTD
.a:not in survey when asked	4137	2445	1884	3387	3208
.m:Missing	125	111	129	110	103
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.strongly disagree	151	145	176	162	156
2.disagree	626	587	731	659	622
3.agree	2260	2158	2585	2322	2180
4.strongly agree	771	732	879	762	695

Value-----	S6MOMUNDSTD	S7MOMUNDSTD	S8MOMUNDSTD	S9MOMUNDSTD
.a:not in survey when asked	3789	3517	3038	3514
.m:Missing	93	81	71	57
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.strongly disagree	146	131	113	104
2.disagree	572	519	466	404
3.agree	1998	1750	1508	1315
4.strongly agree	644	562	492	426

Value-----	RADADUNDSTD
.a:not in survey when asked	13226
.m:Missing	438
1.strongly disagree	394
2.disagree	1558
3.agree	3356
4.strongly agree	830

Value-----	S1DADUNDSTD	S2DADUNDSTD	S3DADUNDSTD	S4DADUNDSTD	S5DADUNDSTD
.a:not in survey when asked	4137	2445	1885	3388	3209
.m:Missing	244	210	238	194	176
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.strongly disagree	225	217	275	228	223
2.disagree	923	870	1073	978	924
3.agree	2052	1974	2358	2135	1988
4.strongly agree	489	462	555	479	444

Value-----	S6DADUNDSTD	S7DADUNDSTD	S8DADUNDSTD	S9DADUNDSTD
.a:not in survey when asked	3790	3518	3039	3515
.m:Missing	158	136	111	99
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.strongly disagree	211	184	169	145
2.disagree	850	779	704	611
3.agree	1826	1603	1378	1195
4.strongly agree	407	340	287	255

Value-----	RAMOMDECISN
.a:not in survey when asked	13225
.m:Missing	262
1.strongly disagree	238
2.disagree	1177
3.agree	4064
4.strongly agree	836

Value-----	S1MOMDECISN	S2MOMDECISN	S3MOMDECISN	S4MOMDECISN	S5MOMDECISN
.a:not in survey when asked	4137	2445	1884	3387	3208
.m:Missing	138	119	139	114	109
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.strongly disagree	129	126	154	138	138
2.disagree	662	639	792	716	661
3.agree	2527	2400	2883	2592	2426
4.strongly agree	477	449	532	455	422

Value-----	S6MOMDECISN	S7MOMDECISN	S8MOMDECISN	S9MOMDECISN
.a:not in survey when asked	3789	3517	3038	3514
.m:Missing	93	81	73	56
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630

1.strongly disagree	128	107	95	81	
2.disagree	614	556	483	413	
3.agree	2227	1958	1702	1509	
4.strongly agree	391	341	297	247	
Value-----	RADADDECISN				
.a:not in survey when asked	13226				
.m:Missing	452				
1.strongly disagree	264				
2.disagree	1007				
3.agree	3960				
4.strongly agree	893				
Value-----	S1DADDECISN	S2DADDECISN	S3DADDECISN	S4DADDECISN	S5DADDECISN
.a:not in survey when asked	4137	2445	1885	3388	3209
.m:Missing	244	211	241	194	182
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.strongly disagree	143	140	170	145	140
2.disagree	596	570	683	621	567
3.agree	2437	2333	2799	2520	2363
4.strongly agree	513	479	606	534	503
Value-----	S6DADDECISN	S7DADDECISN	S8DADDECISN	S9DADDECISN	
.a:not in survey when asked	3790	3518	3039	3515	
.m:Missing	163	141	121	103	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.strongly disagree	132	113	109	95	
2.disagree	522	468	412	349	
3.agree	2154	1896	1641	1437	
4.strongly agree	481	424	366	321	
Value-----	RAMOMNOTWA				
.a:not in survey when asked	13225				
.m:Missing	282				
1.strongly agree	206				
2.agree	314				
3.disagree	1546				
4.strongly disagree	4229				
Value-----	S1MOMNOTWA	S2MOMNOTWA	S3MOMNOTWA	S4MOMNOTWA	S5MOMNOTWA
.a:not in survey when asked	4137	2445	1884	3387	3208
.m:Missing	144	125	146	125	111
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.strongly agree	116	110	127	106	100
2.agree	168	163	214	187	176
3.disagree	911	872	1065	936	891
4.strongly disagree	2594	2463	2948	2661	2478
Value-----	S6MOMNOTWA	S7MOMNOTWA	S8MOMNOTWA	S9MOMNOTWA	
.a:not in survey when asked	3789	3517	3038	3514	
.m:Missing	93	82	68	50	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.strongly agree	93	88	77	70	
2.agree	159	151	131	111	
3.disagree	810	717	622	551	
4.strongly disagree	2298	2005	1752	1524	
Value-----	RADADNOTWA				
.a:not in survey when asked	13226				
.m:Missing	457				
1.strongly agree	199				
2.agree	285				
3.disagree	1882				
4.strongly disagree	3753				
Value-----	S1DADNOTWA	S2DADNOTWA	S3DADNOTWA	S4DADNOTWA	S5DADNOTWA
.a:not in survey when asked	4137	2445	1885	3388	3209

.m:Missing	240	207	242	203	188
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.strongly agree	114	110	140	114	108
2.agree	166	151	189	164	162
3.disagree	1112	1066	1311	1155	1092
4.strongly disagree	2301	2199	2617	2378	2205
Value-----	S6DADNOTWA	S7DADNOTWA	S8DADNOTWA	S9DADNOTWA	
.a:not in survey when asked	3790	3518	3039	3515	
.m:Missing	165	143	120	104	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.strongly agree	104	89	80	67	
2.agree	147	138	116	96	
3.disagree	1012	919	808	703	
4.strongly disagree	2024	1753	1525	1335	

## How Constructed

The following variables have been coded so that lower values imply less parental warmth and higher values imply more parental warmth.

RAMOMLET and RADADLET indicate how much the respondent agrees that their mother (mother figure) and father (father figure) let them do the things they liked doing before the age of 16. A code of 1 is assigned if the respondent strongly disagreed with the statement. A code of 2 is assigned if the respondent disagreed with the statement. A code of 3 is assigned if the respondent agreed with the statement. A code of 4 is assigned if the respondent strongly agreed with the statement. Special missing .a is assigned if the respondent was not interviewed for the life history questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the life history questionnaire but their response for the question is missing.

RAMOMECOLD and RADADECOLD indicate how much the respondent agrees that their mother (mother figure) and father (father figure) seemed emotionally cold to them before age 16. A code of 1 is assigned if the respondent strongly agreed with the statement. A code of 2 is assigned if the respondent agreed with the statement. A code of 3 is assigned if the respondent disagreed with the statement. A code of 4 is assigned if the respondent strongly disagreed with the statement. Special missing .a is assigned if the respondent was not interviewed for the life history questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the life history questionnaire but their response for the question is missing.

RAMOMUNDSTD and RADADUNDSTD indicate how much the respondent agrees that their mother (mother figure) and father (father figure) appeared to understand their problems and worries before age 16. A code of 1 is assigned if the respondent strongly disagreed with the statement. A code of 2 is assigned if the respondent disagreed with the statement. A code of 3 is assigned if the respondent agreed with the statement. A code of 4 is assigned if the respondent strongly agreed with the statement. Special missing .a is assigned if the respondent was not interviewed for the life history questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the life history questionnaire but their response for the question is missing.

RAMOMDECISN and RADADDECISN indicate how much the respondent agrees that their mother (mother figure) and father (father figure) liked them to make their own decisions before age 16. A code of 1 is assigned if the respondent strongly disagreed with the statement. A code of 2 is assigned if the respondent disagreed with the statement. A code of 3 is assigned if the respondent agreed with the statement. A code of 4 is assigned if the respondent strongly agreed with the statement. Special missing .a is assigned if the respondent was not interviewed for the life history questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the life history questionnaire but their response for the question is missing.

RAMOMNOTWA and RADADNOTWA indicate how much the respondent agrees that their mother (mother figure) and father (father figure) made them feel they were not wanted before age 16. A code of 1 is assigned if the respondent strongly agreed with the statement. A code of 2 is assigned if the respondent agreed with the statement. A code of 3 is assigned if the respondent disagreed with the statement. A code of 4 is assigned if the respondent strongly disagreed with the statement. Special missing .a is assigned if the respondent was not interviewed for the life history questionnaire. Special missing .m is assigned if the

respondent is eligible for and completed the life history questionnaire but their response for the question is missing.

SwMOMLET, SwDADLET, SwMOMECOLD, SwDADECOLD, SwMOMUNDSTD, SwDADUNDSTD, SwMOMDECISN, SwDADDECISN, SwMOMNOTWA, and SwDADNOTWA contain the corresponding information for the respondent's current wave's spouse and are taken from the spouse's values to RAMOMLET, RADADLET, RAMOMECOLD, RADADECOLD, RAMOMUNDSTD, RADADUNDSTD, RAMOMDECISN, RADADDECISN, RAMOMNOTWA, and RADADNOTWA. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RAPWARM\_E is the mean measure of parental warmth. It is based on the following 10 components: how much the respondent agrees that their mother (mother figure) and father (father figure) let them do the things they liked doing before the age of 16 (RAMOMLET, RADADLET), how much the respondent agrees that their mother (mother figure) and father (father figure) seemed emotionally cold to them before age 16 (RAMOMECOLD, RADADECOLD), how much the respondent agrees that their mother (mother figure) and father (father figure) appeared to understand their problems and worries before age 16 (RAMOMUNDSTD, RADADUNDSTD), how much the respondent agrees that their mother (mother figure) and father (father figure) liked them to make their own decisions before age 16 (RAMOMDECISN, RADADDECISN), and how much the respondent agrees that their mother (mother figure) and father (father figure) made them feel they were not wanted before age 16 (RAMOMNOTWA, RADADNOTWA). Lower scores for RAPWARM\_E imply less parental warmth, while higher scores imply more parental warmth. RAPWARM\_E is calculated as long as at least one component is not missing. RAPWARM\_E is the count of missing components in RAPWARM\_E, which could be between no missing components (0) and 10 missing components (10). Special missing .a is assigned to RAPWARM\_E and RAPWARM\_E if the respondent did not complete the life history interview. Special missing .m is assigned to RAPWARM\_E if all ten components of this mean score are missing.

SwPWARM\_E and SwPWARM\_E are the mean measure of parental warmth and the count of missing components for the current wave's spouse's values to RAPWARM\_E. In addition to the special missing codes used in RAPWARM\_E, SwPWARM\_E employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RAMWARM\_E is the mean measure of maternal warmth. It is based on the following five components: how much the respondent agrees that their mother (mother figure) let them do the things they liked doing before the age of 16 (RAMOMLET), how much the respondent agrees that their mother (mother figure) seemed emotionally cold to them before age 16 (RAMOMECOLD), how much the respondent agrees that their mother (mother figure) appeared to understand their problems and worries before age 16 (RAMOMUNDSTD), how much the respondent agrees that their mother (mother figure) liked them to make their own decisions before age 16 (RAMOMDECISN), and how much the respondent agrees that their mother (mother figure) made them feel they were not wanted before age 16 (RAMOMNOTWA). Lower scores for RAMWARM\_E imply less maternal warmth, while higher scores imply more maternal warmth. RAMWARM\_E is calculated as long as at least one component is not missing. RAMWARM\_E is the count of missing components in RAMWARM\_E, which could be between no missing components (0) and five missing components (5). Special missing .a is assigned to RAMWARM\_E and RAMWARM\_E if the respondent did not complete the life history interview. Special missing .m is assigned to RAMWARM\_E if all five components of this mean score are missing.

SwMWARM\_E and SwMWARM\_E are the mean measure of maternal warmth and the count of missing components for the current wave's spouse's values to RAMWARM\_E. In addition to the special missing codes used in RAMWARM\_E, SwMWARM\_E employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RADWARM\_E is the mean measure of paternal warmth. It is based on the following five components: how much the respondent agrees that their father (father figure) let them do the things they liked doing before the age of 16 (RADADLET), how much the respondent agrees that their father (father figure) seemed emotionally cold to them before age 16 (RADADECOLD), how much the respondent agrees that their father (father figure) appeared to understand their problems and worries before age 16 (RADADUNDSTD), how much the respondent agrees that their father (father figure) liked them to make their own decisions before age 16 (RADADDECISN), and how much the respondent agrees that their father (father figure) made them feel they were not wanted before age 16 (RADADNOTWA). Lower scores for RADWARM\_E imply less paternal warmth, while higher scores imply more paternal warmth. RADWARM\_E is calculated as long as at least one component

is not missing. RADWARMM\_E is the count of missing components in RADWARM\_E, which could be between no missing components (0) and five missing components (5). Special missing .a is assigned to RADWARM\_E and RADWARMM\_E if the respondent did not complete the life history interview. Special missing .m is assigned to RADWARM\_E if all five components of this mean score are missing.

SwDWARM\_E and SwDWARMM\_E are the mean measure of paternal warmth and the count of missing components for the current wave's spouse's values to RADWARM\_E. In addition to the special missing codes used in RADWARM\_E, SwDWARM\_E employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

The questions related to childhood and lifetime events are only available in the life history questionnaire.

## Differences with the RAND HRS/Harmonized HRS

How much the respondent agrees that their mother (mother figure) and father (father figure) seemed emotionally cold to them, appeared to understand their problems and worries, liked them to make their own decisions, and made them feel they were not wanted before age 16 are not asked in HRS.

## ELSA Variables Used

### Index File:

RETROOUT life history interview outcome

### Wave 3 Life History:

RSFCOLD	father (figure) seemed emotionally cold to me
RSFDECID	father (figure) liked me to make my own decisions
RSFLET	father (figure) let me do the things i liked doing
RSFNOTWA	father (figure) made me feel i was not wanted
RSFUNDER	father (figure) appeared to understand my problems and w
RSMCOLD	mother (figure) seemed emotionally cold to me
RSMDICDE	mother (figure) liked me to make my own decisions
RSMLET	mother (figure) let me do the things i liked doing
RSMNOTWA	mother (figure) made me feel i was not wanted
RSMUNDER	mother (figure) appeared to understand my problems and w

<b>Loneliness</b>
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Wave	Variable	Label	Type
2	R2COMPLAC	r2complac:w2 how often r feels lack of companionship	Categ
3	R3COMPLAC	r3complac:w3 how often r feels lack of companionship	Categ
4	R4COMPLAC	r4complac:w4 how often r feels lack of companionship	Categ
5	R5COMPLAC	r5complac:w5 how often r feels lack of companionship	Categ
6	R6COMPLAC	r6complac:w6 how often r feels lack of companionship	Categ
7	R7COMPLAC	r7complac:w7 how often r feels lack of companionship	Categ
8	R8COMPLAC	r8complac:w8 how often r feels lack of companionship	Categ
9	R9COMPLAC	r9complac:w9 how often r feels lack of companionship	Categ
2	S2COMPLAC	s2complac:w2 how often s feels lack of companionship	Categ
3	S3COMPLAC	s3complac:w3 how often s feels lack of companionship	Categ
4	S4COMPLAC	s4complac:w4 how often s feels lack of companionship	Categ
5	S5COMPLAC	s5complac:w5 how often s feels lack of companionship	Categ
6	S6COMPLAC	s6complac:w6 how often s feels lack of companionship	Categ
7	S7COMPLAC	s7complac:w7 how often s feels lack of companionship	Categ
8	S8COMPLAC	s8complac:w8 how often s feels lack of companionship	Categ
9	S9COMPLAC	s9complac:w9 how often s feels lack of companionship	Categ
2	R2LEFTOUT	r2leftout:w2 how often r feels left out	Categ
3	R3LEFTOUT	r3leftout:w3 how often r feels left out	Categ
4	R4LEFTOUT	r4leftout:w4 how often r feels left out	Categ
5	R5LEFTOUT	r5leftout:w5 how often r feels left out	Categ
6	R6LEFTOUT	r6leftout:w6 how often r feels left out	Categ
7	R7LEFTOUT	r7leftout:w7 how often r feels left out	Categ
8	R8LEFTOUT	r8leftout:w8 how often r feels left out	Categ
9	R9LEFTOUT	r9leftout:w9 how often r feels left out	Categ
2	S2LEFTOUT	s2leftout:w2 how often s feels left out	Categ
3	S3LEFTOUT	s3leftout:w3 how often s feels left out	Categ
4	S4LEFTOUT	s4leftout:w4 how often s feels left out	Categ
5	S5LEFTOUT	s5leftout:w5 how often s feels left out	Categ
6	S6LEFTOUT	s6leftout:w6 how often s feels left out	Categ
7	S7LEFTOUT	s7leftout:w7 how often s feels left out	Categ
8	S8LEFTOUT	s8leftout:w8 how often s feels left out	Categ
9	S9LEFTOUT	s9leftout:w9 how often s feels left out	Categ
2	R2ISOLATE	r2isolate:w2 how often r feels isolated from others	Categ
3	R3ISOLATE	r3isolate:w3 how often r feels isolated from others	Categ
4	R4ISOLATE	r4isolate:w4 how often r feels isolated from others	Categ
5	R5ISOLATE	r5isolate:w5 how often r feels isolated from others	Categ
6	R6ISOLATE	r6isolate:w6 how often r feels isolated from others	Categ
7	R7ISOLATE	r7isolate:w7 how often r feels isolated from others	Categ
8	R8ISOLATE	r8isolate:w8 how often r feels isolated from others	Categ
9	R9ISOLATE	r9isolate:w9 how often r feels isolated from others	Categ
2	S2ISOLATE	s2isolate:w2 how often s feels isolated from others	Categ
3	S3ISOLATE	s3isolate:w3 how often s feels isolated from others	Categ
4	S4ISOLATE	s4isolate:w4 how often s feels isolated from others	Categ
5	S5ISOLATE	s5isolate:w5 how often s feels isolated from others	Categ
6	S6ISOLATE	s6isolate:w6 how often s feels isolated from others	Categ
7	S7ISOLATE	s7isolate:w7 how often s feels isolated from others	Categ
8	S8ISOLATE	s8isolate:w8 how often s feels isolated from others	Categ
9	S9ISOLATE	s9isolate:w9 how often s feels isolated from others	Categ
2	R2INTUNE	r2intune:w2 how often r feels in tune with the people around	Categ
3	R3INTUNE	r3intune:w3 how often r feels in tune with the people around	Categ
4	R4INTUNE	r4intune:w4 how often r feels in tune with the people around	Categ

5	R5INTUNE	r5intune:w5	how often r	feels in tune with the people around	Categ
6	R6INTUNE	r6intune:w6	how often r	feels in tune with the people around	Categ
7	R7INTUNE	r7intune:w7	how often r	feels in tune with the people around	Categ
8	R8INTUNE	r8intune:w8	how often r	feels in tune with the people around	Categ
9	R9INTUNE	r9intune:w9	how often r	feels in tune with the people around	Categ
2	S2INTUNE	s2intune:w2	how often s	feels in tune with the people around	Categ
3	S3INTUNE	s3intune:w3	how often s	feels in tune with the people around	Categ
4	S4INTUNE	s4intune:w4	how often s	feels in tune with the people around	Categ
5	S5INTUNE	s5intune:w5	how often s	feels in tune with the people around	Categ
6	S6INTUNE	s6intune:w6	how often s	feels in tune with the people around	Categ
7	S7INTUNE	s7intune:w7	how often s	feels in tune with the people around	Categ
8	S8INTUNE	s8intune:w8	how often s	feels in tune with the people around	Categ
9	S9INTUNE	s9intune:w9	how often s	feels in tune with the people around	Categ
2	R2LNLYS	r2lnlys:w2	r's 4-item loneliness summary mean score		Cont
3	R3LNLYS	r3lnlys:w3	r's 4-item loneliness summary mean score		Cont
4	R4LNLYS	r4lnlys:w4	r's 4-item loneliness summary mean score		Cont
5	R5LNLYS	r5lnlys:w5	r's 4-item loneliness summary mean score		Cont
6	R6LNLYS	r6lnlys:w6	r's 4-item loneliness summary mean score		Cont
7	R7LNLYS	r7lnlys:w7	r's 4-item loneliness summary mean score		Cont
8	R8LNLYS	r8lnlys:w8	r's 4-item loneliness summary mean score		Cont
9	R9LNLYS	r9lnlys:w9	r's 4-item loneliness summary mean score		Cont
2	S2LNLYS	s2lnlys:w2	s's 4-item loneliness summary mean score		Cont
3	S3LNLYS	s3lnlys:w3	s's 4-item loneliness summary mean score		Cont
4	S4LNLYS	s4lnlys:w4	s's 4-item loneliness summary mean score		Cont
5	S5LNLYS	s5lnlys:w5	s's 4-item loneliness summary mean score		Cont
6	S6LNLYS	s6lnlys:w6	s's 4-item loneliness summary mean score		Cont
7	S7LNLYS	s7lnlys:w7	s's 4-item loneliness summary mean score		Cont
8	S8LNLYS	s8lnlys:w8	s's 4-item loneliness summary mean score		Cont
9	S9LNLYS	s9lnlys:w9	s's 4-item loneliness summary mean score		Cont
2	R2LNLYSM	r2lnlysm:w2	missings in r's 4-item loneliness summary mean s		Cont
3	R3LNLYSM	r3lnlysm:w3	missings in r's 4-item loneliness summary mean s		Cont
4	R4LNLYSM	r4lnlysm:w4	missings in r's 4-item loneliness summary mean s		Cont
5	R5LNLYSM	r5lnlysm:w5	missings in r's 4-item loneliness summary mean s		Cont
6	R6LNLYSM	r6lnlysm:w6	missings in r's 4-item loneliness summary mean s		Cont
7	R7LNLYSM	r7lnlysm:w7	missings in r's 4-item loneliness summary mean s		Cont
8	R8LNLYSM	r8lnlysm:w8	missings in r's 4-item loneliness summary mean s		Cont
9	R9LNLYSM	r9lnlysm:w9	missings in r's 4-item loneliness summary mean s		Cont
2	S2LNLYSM	s2lnlysm:w2	missings in s's 4-item loneliness summary mean s		Cont
3	S3LNLYSM	s3lnlysm:w3	missings in s's 4-item loneliness summary mean s		Cont
4	S4LNLYSM	s4lnlysm:w4	missings in s's 4-item loneliness summary mean s		Cont
5	S5LNLYSM	s5lnlysm:w5	missings in s's 4-item loneliness summary mean s		Cont
6	S6LNLYSM	s6lnlysm:w6	missings in s's 4-item loneliness summary mean s		Cont
7	S7LNLYSM	s7lnlysm:w7	missings in s's 4-item loneliness summary mean s		Cont
8	S8LNLYSM	s8lnlysm:w8	missings in s's 4-item loneliness summary mean s		Cont
9	S9LNLYSM	s9lnlysm:w9	missings in s's 4-item loneliness summary mean s		Cont
2	R2LNLYS3	r2lnlys3:w2	r's 3-item loneliness summary mean score		Cont
3	R3LNLYS3	r3lnlys3:w3	r's 3-item loneliness summary mean score		Cont
4	R4LNLYS3	r4lnlys3:w4	r's 3-item loneliness summary mean score		Cont
5	R5LNLYS3	r5lnlys3:w5	r's 3-item loneliness summary mean score		Cont
6	R6LNLYS3	r6lnlys3:w6	r's 3-item loneliness summary mean score		Cont
7	R7LNLYS3	r7lnlys3:w7	r's 3-item loneliness summary mean score		Cont
8	R8LNLYS3	r8lnlys3:w8	r's 3-item loneliness summary mean score		Cont
9	R9LNLYS3	r9lnlys3:w9	r's 3-item loneliness summary mean score		Cont
2	S2LNLYS3	s2lnlys3:w2	s's 3-item loneliness summary mean score		Cont
3	S3LNLYS3	s3lnlys3:w3	s's 3-item loneliness summary mean score		Cont
4	S4LNLYS3	s4lnlys3:w4	s's 3-item loneliness summary mean score		Cont

5	S5LNLYS3	s5lnlys3:w5	s's 3-item loneliness summary mean score	Cont
6	S6LNLYS3	s6lnlys3:w6	s's 3-item loneliness summary mean score	Cont
7	S7LNLYS3	s7lnlys3:w7	s's 3-item loneliness summary mean score	Cont
8	S8LNLYS3	s8lnlys3:w8	s's 3-item loneliness summary mean score	Cont
9	S9LNLYS3	s9lnlys3:w9	s's 3-item loneliness summary mean score	Cont
2	R2LNLYS3M	r2lnlys3m:w2	missings in r's 3-item loneliness summary mean	Cont
3	R3LNLYS3M	r3lnlys3m:w3	missings in r's 3-item loneliness summary mean	Cont
4	R4LNLYS3M	r4lnlys3m:w4	missings in r's 3-item loneliness summary mean	Cont
5	R5LNLYS3M	r5lnlys3m:w5	missings in r's 3-item loneliness summary mean	Cont
6	R6LNLYS3M	r6lnlys3m:w6	missings in r's 3-item loneliness summary mean	Cont
7	R7LNLYS3M	r7lnlys3m:w7	missings in r's 3-item loneliness summary mean	Cont
8	R8LNLYS3M	r8lnlys3m:w8	missings in r's 3-item loneliness summary mean	Cont
9	R9LNLYS3M	r9lnlys3m:w9	missings in r's 3-item loneliness summary mean	Cont
2	S2LNLYS3M	s2lnlys3m:w2	missings in s's 3-item loneliness summary mean	Cont
3	S3LNLYS3M	s3lnlys3m:w3	missings in s's 3-item loneliness summary mean	Cont
4	S4LNLYS3M	s4lnlys3m:w4	missings in s's 3-item loneliness summary mean	Cont
5	S5LNLYS3M	s5lnlys3m:w5	missings in s's 3-item loneliness summary mean	Cont
6	S6LNLYS3M	s6lnlys3m:w6	missings in s's 3-item loneliness summary mean	Cont
7	S7LNLYS3M	s7lnlys3m:w7	missings in s's 3-item loneliness summary mean	Cont
8	S8LNLYS3M	s8lnlys3m:w8	missings in s's 3-item loneliness summary mean	Cont
9	S9LNLYS3M	s9lnlys3m:w9	missings in s's 3-item loneliness summary mean	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2COMPLAC	8232	1.40	0.61	1.00	3.00
R3COMPLAC	8135	1.44	0.63	1.00	3.00
R4COMPLAC	9188	1.43	0.63	1.00	3.00
R5COMPLAC	8919	1.43	0.63	1.00	3.00
R6COMPLAC	8890	1.43	0.62	1.00	3.00
R7COMPLAC	8084	1.37	0.58	1.00	3.00
R8COMPLAC	7141	1.39	0.60	1.00	3.00
R9COMPLAC	7404	1.38	0.59	1.00	3.00
S2COMPLAC	5642	1.24	0.48	1.00	3.00
S3COMPLAC	5559	1.28	0.51	1.00	3.00
S4COMPLAC	6414	1.28	0.51	1.00	3.00
S5COMPLAC	6149	1.27	0.51	1.00	3.00
S6COMPLAC	6199	1.29	0.52	1.00	3.00
S7COMPLAC	5592	1.23	0.47	1.00	3.00
S8COMPLAC	4873	1.26	0.50	1.00	3.00
S9COMPLAC	4972	1.24	0.48	1.00	3.00
R2LEFTOUT	8194	1.38	0.57	1.00	3.00
R3LEFTOUT	8117	1.40	0.58	1.00	3.00
R4LEFTOUT	9171	1.39	0.58	1.00	3.00
R5LEFTOUT	8897	1.38	0.57	1.00	3.00
R6LEFTOUT	8864	1.38	0.57	1.00	3.00
R7LEFTOUT	8041	1.35	0.55	1.00	3.00
R8LEFTOUT	7113	1.37	0.56	1.00	3.00
R9LEFTOUT	7384	1.36	0.56	1.00	3.00
S2LEFTOUT	5629	1.31	0.52	1.00	3.00
S3LEFTOUT	5556	1.32	0.53	1.00	3.00
S4LEFTOUT	6412	1.31	0.52	1.00	3.00
S5LEFTOUT	6133	1.30	0.51	1.00	3.00
S6LEFTOUT	6182	1.32	0.52	1.00	3.00
S7LEFTOUT	5572	1.29	0.50	1.00	3.00
S8LEFTOUT	4862	1.30	0.51	1.00	3.00
S9LEFTOUT	4958	1.29	0.51	1.00	3.00



R2ISOLATE	8187	1.34	0.57	1.00	3.00
R3ISOLATE	8115	1.37	0.59	1.00	3.00
R4ISOLATE	9171	1.38	0.59	1.00	3.00
R5ISOLATE	8878	1.37	0.58	1.00	3.00
R6ISOLATE	8856	1.38	0.59	1.00	3.00
R7ISOLATE	8013	1.32	0.55	1.00	3.00
R8ISOLATE	7099	1.33	0.56	1.00	3.00
R9ISOLATE	7367	1.32	0.55	1.00	3.00
S2ISOLATE	5616	1.26	0.51	1.00	3.00
S3ISOLATE	5549	1.29	0.52	1.00	3.00
S4ISOLATE	6409	1.30	0.53	1.00	3.00
S5ISOLATE	6129	1.29	0.52	1.00	3.00
S6ISOLATE	6172	1.31	0.54	1.00	3.00
S7ISOLATE	5553	1.25	0.49	1.00	3.00
S8ISOLATE	4850	1.26	0.50	1.00	3.00
S9ISOLATE	4960	1.25	0.50	1.00	3.00
R2INTUNE	8206	1.66	0.71	1.00	3.00
R3INTUNE	8102	1.69	0.70	1.00	3.00
R4INTUNE	9165	1.73	0.71	1.00	3.00
R5INTUNE	8880	1.73	0.72	1.00	3.00
R6INTUNE	8866	1.71	0.71	1.00	3.00
R7INTUNE	8045	1.70	0.73	1.00	3.00
R8INTUNE	7105	1.71	0.73	1.00	3.00
R9INTUNE	7360	1.69	0.73	1.00	3.00
S2INTUNE	5629	1.64	0.72	1.00	3.00
S3INTUNE	5535	1.68	0.71	1.00	3.00
S4INTUNE	6410	1.72	0.72	1.00	3.00
S5INTUNE	6121	1.72	0.74	1.00	3.00
S6INTUNE	6176	1.70	0.71	1.00	3.00
S7INTUNE	5581	1.70	0.75	1.00	3.00
S8INTUNE	4858	1.70	0.75	1.00	3.00
S9INTUNE	4953	1.68	0.74	1.00	3.00
R2LNLYS	8286	1.45	0.45	1.00	3.00
R3LNLYS	8162	1.48	0.45	1.00	3.00
R4LNLYS	9227	1.48	0.45	1.00	3.00
R5LNLYS	8949	1.48	0.45	1.00	3.00
R6LNLYS	7845	1.48	0.45	1.00	3.00
R7LNLYS	7044	1.45	0.43	1.00	3.00
R8LNLYS	6221	1.45	0.44	1.00	3.00
R9LNLYS	6313	1.45	0.44	1.00	3.00
S2LNLYS	5672	1.37	0.39	1.00	3.00
S3LNLYS	5570	1.39	0.40	1.00	3.00
S4LNLYS	6439	1.40	0.39	1.00	3.00
S5LNLYS	6159	1.40	0.40	1.00	3.00
S6LNLYS	5163	1.40	0.40	1.00	3.00
S7LNLYS	4591	1.37	0.38	1.00	3.00
S8LNLYS	3979	1.38	0.39	1.00	3.00
S9LNLYS	3910	1.37	0.39	1.00	3.00
R2LNLYSM	9432	0.52	1.32	0.00	4.00
R3LNLYSM	9766	0.68	1.49	0.00	4.00
R4LNLYSM	11050	0.68	1.49	0.00	4.00
R5LNLYSM	10274	0.54	1.35	0.00	4.00
R6LNLYSM	10601	0.65	1.46	0.00	4.00
R7LNLYSM	9666	0.67	1.47	0.00	4.00
R8LNLYSM	8445	0.63	1.44	0.00	4.00
R9LNLYSM	8736	0.62	1.43	0.00	4.00

S2LNLYSM	6178	0.36	1.11	0.00	4.00
S3LNLYSM	6382	0.52	1.34	0.00	4.00
S4LNLYSM	7402	0.54	1.35	0.00	4.00
S5LNLYSM	6964	0.48	1.28	0.00	4.00
S6LNLYSM	7242	0.59	1.40	0.00	4.00
S7LNLYSM	6560	0.60	1.41	0.00	4.00
S8LNLYSM	5688	0.58	1.39	0.00	4.00
S9LNLYSM	5820	0.59	1.40	0.00	4.00
R2LNLYS3	8268	1.37	0.51	1.00	3.00
R3LNLYS3	8158	1.40	0.52	1.00	3.00
R4LNLYS3	9220	1.40	0.52	1.00	3.00
R5LNLYS3	8937	1.39	0.52	1.00	3.00
R6LNLYS3	7831	1.41	0.52	1.00	3.00
R7LNLYS3	7022	1.36	0.49	1.00	3.00
R8LNLYS3	6205	1.37	0.51	1.00	3.00
R9LNLYS3	6307	1.37	0.50	1.00	3.00
S2LNLYS3	5663	1.27	0.43	1.00	3.00
S3LNLYS3	5568	1.30	0.44	1.00	3.00
S4LNLYS3	6434	1.30	0.44	1.00	3.00
S5LNLYS3	6155	1.29	0.44	1.00	3.00
S6LNLYS3	5159	1.30	0.45	1.00	3.00
S7LNLYS3	4576	1.25	0.41	1.00	3.00
S8LNLYS3	3967	1.27	0.42	1.00	3.00
S9LNLYS3	3906	1.26	0.42	1.00	3.00
R2LNLYS3M	9432	0.39	0.99	0.00	3.00
R3LNLYS3M	9766	0.50	1.11	0.00	3.00
R4LNLYS3M	11050	0.51	1.12	0.00	3.00
R5LNLYS3M	10274	0.40	1.01	0.00	3.00
R6LNLYS3M	10601	0.49	1.10	0.00	3.00
R7LNLYS3M	9666	0.50	1.11	0.00	3.00
R8LNLYS3M	8445	0.47	1.08	0.00	3.00
R9LNLYS3M	8736	0.46	1.07	0.00	3.00
S2LNLYS3M	6178	0.27	0.84	0.00	3.00
S3LNLYS3M	6382	0.39	1.00	0.00	3.00
S4LNLYS3M	7402	0.40	1.01	0.00	3.00
S5LNLYS3M	6964	0.36	0.96	0.00	3.00
S6LNLYS3M	7242	0.44	1.05	0.00	3.00
S7LNLYS3M	6560	0.45	1.06	0.00	3.00
S8LNLYS3M	5688	0.44	1.05	0.00	3.00
S9LNLYS3M	5820	0.44	1.05	0.00	3.00

### Categorical Variable Codes

Value-----	R2COMPLAC	R3COMPLAC	R4COMPLAC	R5COMPLAC
.c:not in self-completion m	1072	1527	1708	1244
.m:Missing	128	104	154	111
1.hardly ever or never	5508	5194	5893	5762
2.some of the time	2187	2332	2611	2499
3.often	537	609	684	658
Value-----	R6COMPLAC	R7COMPLAC	R8COMPLAC	R9COMPLAC
.c:not in self-completion m	1611	1481	1231	1246
.m:Missing	100	101	73	
.r:Refuse				86
1.hardly ever or never	5736	5502	4811	5047
2.some of the time	2510	2153	1886	1935
3.often	644	429	444	422
Value-----	S2COMPLAC	S3COMPLAC	S4COMPLAC	S5COMPLAC

.c:not in self-completion m		452	769	890	751
.m:Missing		84	56	98	64
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
1.hardly ever or never		4413	4184	4806	4691
2.some of the time		1087	1219	1422	1261
3.often		142	156	186	197
Value-----	S6COMPLAC	S7COMPLAC	S8COMPLAC	S9COMPLAC	
.c:not in self-completion m	1005	913	769	801	
.m:Missing	38	55	46		
.r:Refuse				47	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.hardly ever or never	4632	4390	3760	3904	
2.some of the time	1358	1093	979	954	
3.often	209	109	134	114	
Value-----		R2LEFTOUT	R3LEFTOUT	R4LEFTOUT	R5LEFTOUT
.c:not in self-completion m		1072	1527	1708	1244
.m:Missing		166	122	171	133
1.hardly ever or never		5442	5242	6076	5943
2.some of the time		2370	2470	2636	2532
3.often		382	405	459	422
Value-----	R6LEFTOUT	R7LEFTOUT	R8LEFTOUT	R9LEFTOUT	
.c:not in self-completion m	1616	1483	1234	1248	
.m:Missing	121	142	98		
.r:Refuse				104	
1.hardly ever or never	5917	5512	4803	5058	
2.some of the time	2552	2216	2004	2027	
3.often	395	313	306	299	
Value-----		S2LEFTOUT	S3LEFTOUT	S4LEFTOUT	S5LEFTOUT
.c:not in self-completion m		452	769	890	751
.m:Missing		97	59	100	80
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
1.hardly ever or never		4049	3912	4585	4466
2.some of the time		1422	1487	1642	1503
3.often		158	157	185	164
Value-----	S6LEFTOUT	S7LEFTOUT	S8LEFTOUT	S9LEFTOUT	
.c:not in self-completion m	1010	914	771	801	
.m:Missing	50	74	55		
.r:Refuse				61	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.hardly ever or never	4408	4094	3510	3640	
2.some of the time	1592	1349	1227	1188	
3.often	182	129	125	130	
Value-----		R2ISOLATE	R3ISOLATE	R4ISOLATE	R5ISOLATE
.c:not in self-completion m		1072	1527	1708	1244
.m:Missing		173	124	171	152
1.hardly ever or never		5844	5567	6251	6095
2.some of the time		1917	2089	2385	2317
3.often		426	459	535	466
Value-----	R6ISOLATE	R7ISOLATE	R8ISOLATE	R9ISOLATE	
.c:not in self-completion m	1619	1496	1238	1249	
.m:Missing	126	157	108		
.r:Refuse				120	
1.hardly ever or never	5990	5811	5109	5314	
2.some of the time	2379	1860	1665	1736	
3.often	487	342	325	317	
Value-----		S2ISOLATE	S3ISOLATE	S4ISOLATE	S5ISOLATE
.c:not in self-completion m		452	769	890	751
.m:Missing		110	66	103	84
.u:Unmar		2671	2706	2932	2742

.v:SP NR		583	676	716	568
1.hardly ever or never		4316	4152	4726	4573
2.some of the time		1120	1205	1444	1360
3.often		180	192	239	196
Value-----	S6ISOLATE	S7ISOLATE	S8ISOLATE	S9ISOLATE	
.c:not in self-completion m	1013	926	775	804	
.m:Missing	57	81	63		
.r:Refuse				56	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.hardly ever or never	4494	4314	3736	3839	
2.some of the time	1441	1096	976	979	
3.often	237	143	138	142	
Value-----		R2INTUNE	R3INTUNE	R4INTUNE	R5INTUNE
.c:not in self-completion m		1072	1527	1708	1244
.m:Missing		154	137	177	150
1.often		3976	3588	3864	3876
2.some of the time		3078	3399	3913	3556
3.hardly ever or never		1152	1115	1388	1448
Value-----	R6INTUNE	R7INTUNE	R8INTUNE	R9INTUNE	
.c:not in self-completion m	1615	1481	1235	1253	
.m:Missing	120	140	105		
.r:Refuse				123	
1.often	3897	3699	3270	3426	
2.some of the time	3684	3024	2659	2782	
3.hardly ever or never	1285	1322	1176	1152	
Value-----		S2INTUNE	S3INTUNE	S4INTUNE	S5INTUNE
.c:not in self-completion m		452	769	890	751
.m:Missing		97	80	102	92
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
1.often		2853	2552	2818	2751
2.some of the time		1957	2200	2580	2309
3.hardly ever or never		819	783	1012	1061
Value-----	S6INTUNE	S7INTUNE	S8INTUNE	S9INTUNE	
.c:not in self-completion m	1009	912	773	808	
.m:Missing	57	67	57		
.r:Refuse				59	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.often	2776	2651	2311	2415	
2.some of the time	2471	1953	1683	1708	
3.hardly ever or never	929	977	864	830	

## How Constructed

RwCOMPLAC indicates how often the respondent feels they lack companionship. RwCOMPLAC is coded as follows: 1.hardly ever or never, 2.some of the time, 3.often.

RwLEFTOUT indicates how often the respondent feels left out. RwLEFTOUT is coded as follows: 1.hardly ever or never, 2.some of the time, 3.often.

RwISOLATE indicates how often the respondent feels isolated from others. RwISOLATE is coded as follows: 1.hardly ever or never, 2.some of the time, 3.often.

RwINTUNE indicates how often the respondent feels in tune with the people around them. RwINTUNE is coded as follows: 1.often, 2.some of the time, 3.hardly ever or never.

Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Don't know, refused, or missing responses are assigned special missing values .d, .r, .m, respectively. Plain missing (.) is assigned for respondents who did not respond to the current wave.

SwCOMPLAC, SwLEFTOUT, SwISOLATE and SwINTUNE indicate how often the current wave's spouse feels lack of companionship, left out, isolated from others, and in tune with the people around them, respectively. They are taken from the spouse's values to RwCOMPLAC, RwLEFTOUT, RwISOLATE and RwINTUNE. In addition to the special missing codes employed by RwCOMPLAC, RwLEFTOUT, RwISOLATE, and RwINTUNE, SwCOMPLAC, SwLEFTOUT, SwISOLATE, and SwINTUNE employ two additional missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used.

RwLNLYS indicates the mean of the four different loneliness questions (RwCOMPLAC, RwLEFTOUT, RwISOLATE and RwINTUNE) and can be used as a summary score. RwLNLYS is coded to make sure that higher scores indicate that the respondent feels more lonely. RwLNLYS is calculated for any respondent with at least one non-missing value for its four components. RwLNLYSM counts the number of components with missing values in RwLNLYS, which could be between no missing components (0) and four missing components (4). Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. If all four components are missing, then RwLNLYS is assigned special missing .m. Plain missing is assigned if the respondent did not participate in the current wave.

SwLNLYS and SwLNLYSM indicate the mean summary score of four different loneliness questions and the count of any missing components for the current wave's spouse and are taken from the spouse's values to RwLNLYS and RwLNLYSM. In addition to the special missing codes used in RwLNLYS and RwLNLYSM, SwLNLYS and SwLNLYSM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLNLYS3 indicates the mean of three different loneliness questions (RwCOMPLAC, RwLEFTOUT and RwISOLATE) and can be used as a summary score. RwLNLYS3 is coded to make sure that higher scores indicate that the respondent feels more lonely. RwLNLYS3 is calculated for any respondent with at least one non-missing value for its three components. RwLNLYS3M counts the number of components with missing values in RwLNLYS3, which could be between no missing components (0) and three missing components (3). Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their responses for the questions are missing. This variable is assigned plain missing (.) if the respondent did not participate in the current wave.

SwLNLYS3 and SwLNLYS3M indicate the mean summary score of three different loneliness questions and the count of any missing components for the respondent's current wave's spouse, and their values are taken from RwLNLYS3 and RwLNLYS3M. In addition to the special missing codes used in RwLNLYS3 and RwLNLYS3M, SwLNLYS3 and SwLNLYS3M employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

The questions are not asked in Wave 1.

## Differences with the RAND HRS/Harmonized HRS

While the original answer choices have different directions between the HRS and ELSA, these variables in the Harmonized HRS and Harmonized ELSA have been coded so that higher scores indicate that the respondent feels more lonely.

## ELSA Variables Used

### Index File:

OUTSCW1	wave 1 self-completion outcome
OUTSCW2	wave 2 self-completion outcome
OUTSCW3	wave 3 core self-completion outcome
OUTSCW4	outcome of wave 4 core self completion questionnaire
OUTSCW5	outcome of core wave 5 self-completion questionnaire

### Wave 2 Core:

SCFEELA	How often respondent feels they lack companionship
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SCFEELB	How often respondent feels left out
SCFEELC	How often respondent feels isolated from others
SCFEELD	How often respondent feels in tune with the people around
Wave 3 Core:	
SCFEELA	how often respondent feels they lack companionship
SCFEELB	how often respondent feels left out
SCFEELC	how often respondent feels isolated from others
SCFEELD	how often respondent feels in tune with the people around
Wave 4 Core:	
SCFEELA	how often respondent feels they lack companionship
SCFEELB	how often respondent feels left out
SCFEELC	how often respondent feels isolated from others
SCFEELD	how often respondent feels in tune with the people around
Wave 5 Core:	
SCFEELA	How often respondent feels they lack companionship
SCFEELB	How often respondent feels left out
SCFEELC	How often respondent feels isolated from others
SCFEELD	How often respondent feels in tune with the people around
Wave 6 Core:	
SCFEELA	how often respondent feels they lack companionship
SCFEELB	how often respondent feels left out
SCFEELC	how often respondent feels isolated from others
SCFEELD	how often respondent feels in tune with the people around
Wave 7 Core:	
SCFEELA	how often respondent feels they lack companionship
SCFEELB	how often respondent feels left out
SCFEELC	how often respondent feels isolated from others
SCFEELD	how often respondent feels in tune with the people around
Wave 8 Core:	
SCFEELA	how often feels they lack companionship
SCFEELB	how often feels left out
SCFEELC	how often feels isolated from others
SCFEELD	how often feels in tune with the people around them
Wave 9 Core:	
SCFEELA	How often feels they lack companionship
SCFEELB	How often feels left out
SCFEELC	How often feels isolated from others
SCFEELD	How often feels in tune with the people around them

<b>Social Support: Spouse</b>
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Wave	Variable	Label	Type
1	R1SUSTDFE	r1sustdfe:w1 r thinks spouse understands the way they feel	Categ
2	R2SUSTDFE	r2sustdfe:w2 r thinks spouse understands the way they feel	Categ
3	R3SUSTDFE	r3sustdfe:w3 r thinks spouse understands the way they feel	Categ
4	R4SUSTDFE	r4sustdfe:w4 r thinks spouse understands the way they feel	Categ
5	R5SUSTDFE	r5sustdfe:w5 r thinks spouse understands the way they feel	Categ
6	R6SUSTDFE	r6sustdfe:w6 r thinks spouse understands the way they feel	Categ
7	R7SUSTDFE	r7sustdfe:w7 r thinks spouse understands the way they feel	Categ
8	R8SUSTDFE	r8sustdfe:w8 r thinks spouse understands the way they feel	Categ
9	R9SUSTDFE	r9sustdfe:w9 r thinks spouse understands the way they feel	Categ
1	S1SUSTDFE	s1sustdfe:w1 s thinks spouse understands the way they feel	Categ
2	S2SUSTDFE	s2sustdfe:w2 s thinks spouse understands the way they feel	Categ
3	S3SUSTDFE	s3sustdfe:w3 s thinks spouse understands the way they feel	Categ
4	S4SUSTDFE	s4sustdfe:w4 s thinks spouse understands the way they feel	Categ
5	S5SUSTDFE	s5sustdfe:w5 s thinks spouse understands the way they feel	Categ
6	S6SUSTDFE	s6sustdfe:w6 s thinks spouse understands the way they feel	Categ
7	S7SUSTDFE	s7sustdfe:w7 s thinks spouse understands the way they feel	Categ
8	S8SUSTDFE	s8sustdfe:w8 s thinks spouse understands the way they feel	Categ
9	S9SUSTDFE	s9sustdfe:w9 s thinks spouse understands the way they feel	Categ
1	R1SRELY	r1srely:w1 r can rely on spouse for a serious problem	Categ
2	R2SRELY	r2srely:w2 r can rely on spouse for a serious problem	Categ
3	R3SRELY	r3srely:w3 r can rely on spouse for a serious problem	Categ
4	R4SRELY	r4srely:w4 r can rely on spouse for a serious problem	Categ
5	R5SRELY	r5srely:w5 r can rely on spouse for a serious problem	Categ
6	R6SRELY	r6srely:w6 r can rely on spouse for a serious problem	Categ
7	R7SRELY	r7srely:w7 r can rely on spouse for a serious problem	Categ
8	R8SRELY	r8srely:w8 r can rely on spouse for a serious problem	Categ
9	R9SRELY	r9srely:w9 r can rely on spouse for a serious problem	Categ
1	S1SRELY	s1srely:w1 s can rely on spouse for a serious problem	Categ
2	S2SRELY	s2srely:w2 s can rely on spouse for a serious problem	Categ
3	S3SRELY	s3srely:w3 s can rely on spouse for a serious problem	Categ
4	S4SRELY	s4srely:w4 s can rely on spouse for a serious problem	Categ
5	S5SRELY	s5srely:w5 s can rely on spouse for a serious problem	Categ
6	S6SRELY	s6srely:w6 s can rely on spouse for a serious problem	Categ
7	S7SRELY	s7srely:w7 s can rely on spouse for a serious problem	Categ
8	S8SRELY	s8srely:w8 s can rely on spouse for a serious problem	Categ
9	S9SRELY	s9srely:w9 s can rely on spouse for a serious problem	Categ
1	R1SOPENUP	r1sopenup:w1 r can open up their worries to spouse	Categ
2	R2SOPENUP	r2sopenup:w2 r can open up their worries to spouse	Categ
3	R3SOPENUP	r3sopenup:w3 r can open up their worries to spouse	Categ
4	R4SOPENUP	r4sopenup:w4 r can open up their worries to spouse	Categ
5	R5SOPENUP	r5sopenup:w5 r can open up their worries to spouse	Categ
6	R6SOPENUP	r6sopenup:w6 r can open up their worries to spouse	Categ
7	R7SOPENUP	r7sopenup:w7 r can open up their worries to spouse	Categ
8	R8SOPENUP	r8sopenup:w8 r can open up their worries to spouse	Categ
9	R9SOPENUP	r9sopenup:w9 r can open up their worries to spouse	Categ
1	S1SOPENUP	s1sopenup:w1 s can open up their worries to spouse	Categ
2	S2SOPENUP	s2sopenup:w2 s can open up their worries to spouse	Categ
3	S3SOPENUP	s3sopenup:w3 s can open up their worries to spouse	Categ
4	S4SOPENUP	s4sopenup:w4 s can open up their worries to spouse	Categ
5	S5SOPENUP	s5sopenup:w5 s can open up their worries to spouse	Categ
6	S6SOPENUP	s6sopenup:w6 s can open up their worries to spouse	Categ
7	S7SOPENUP	s7sopenup:w7 s can open up their worries to spouse	Categ

8	S8SOPENUP	s8sopenup:w8	s can open up their worries to spouse	Categ
9	S9SOPENUP	s9sopenup:w9	s can open up their worries to spouse	Categ
5	R5SDEMAND	r5sdemand:w5	spouse puts too many demands on r	Categ
6	R6SDEMAND	r6sdemand:w6	spouse puts too many demands on r	Categ
7	R7SDEMAND	r7sdemand:w7	spouse puts too many demands on r	Categ
8	R8SDEMAND	r8sdemand:w8	spouse puts too many demands on r	Categ
9	R9SDEMAND	r9sdemand:w9	spouse puts too many demands on r	Categ
5	S5SDEMAND	s5sdemand:w5	spouse puts too many demands on s	Categ
6	S6SDEMAND	s6sdemand:w6	spouse puts too many demands on s	Categ
7	S7SDEMAND	s7sdemand:w7	spouse puts too many demands on s	Categ
8	S8SDEMAND	s8sdemand:w8	spouse puts too many demands on s	Categ
9	S9SDEMAND	s9sdemand:w9	spouse puts too many demands on s	Categ
1	R1SCRITZE	r1scritze:w1	how much spouse criticizes r	Categ
2	R2SCRITZE	r2scritze:w2	how much spouse criticizes r	Categ
3	R3SCRITZE	r3scritze:w3	how much spouse criticizes r	Categ
4	R4SCRITZE	r4scritze:w4	how much spouse criticizes r	Categ
5	R5SCRITZE	r5scritze:w5	how much spouse criticizes r	Categ
6	R6SCRITZE	r6scritze:w6	how much spouse criticizes r	Categ
7	R7SCRITZE	r7scritze:w7	how much spouse criticizes r	Categ
8	R8SCRITZE	r8scritze:w8	how much spouse criticizes r	Categ
9	R9SCRITZE	r9scritze:w9	how much spouse criticizes r	Categ
1	S1SCRITZE	s1scritze:w1	how much spouse criticizes s	Categ
2	S2SCRITZE	s2scritze:w2	how much spouse criticizes r	Categ
3	S3SCRITZE	s3scritze:w3	how much spouse criticizes s	Categ
4	S4SCRITZE	s4scritze:w4	how much spouse criticizes s	Categ
5	S5SCRITZE	s5scritze:w5	how much spouse criticizes s	Categ
6	S6SCRITZE	s6scritze:w6	how much spouse criticizes s	Categ
7	S7SCRITZE	s7scritze:w7	how much spouse criticizes s	Categ
8	S8SCRITZE	s8scritze:w8	how much spouse criticizes s	Categ
9	S9SCRITZE	s9scritze:w9	how much spouse criticizes s	Categ
1	R1SLETDOW	r1sletdow:w1	spouse let r down when counting on	Categ
2	R2SLETDOW	r2sletdow:w2	spouse let r down when counting on	Categ
3	R3SLETDOW	r3sletdow:w3	spouse let r down when counting on	Categ
4	R4SLETDOW	r4sletdow:w4	spouse let r down when counting on	Categ
5	R5SLETDOW	r5sletdow:w5	spouse let r down when counting on	Categ
6	R6SLETDOW	r6sletdow:w6	spouse let r down when counting on	Categ
7	R7SLETDOW	r7sletdow:w7	spouse let r down when counting on	Categ
8	R8SLETDOW	r8sletdow:w8	spouse let r down when counting on	Categ
9	R9SLETDOW	r9sletdow:w9	spouse let r down when counting on	Categ
1	S1SLETDOW	s1sletdow:w1	spouse let s down when counting on	Categ
2	S2SLETDOW	s2sletdow:w2	spouse let s down when counting on	Categ
3	S3SLETDOW	s3sletdow:w3	spouse let s down when counting on	Categ
4	S4SLETDOW	s4sletdow:w4	spouse let s down when counting on	Categ
5	S5SLETDOW	s5sletdow:w5	spouse let s down when counting on	Categ
6	S6SLETDOW	s6sletdow:w6	spouse let s down when counting on	Categ
7	S7SLETDOW	s7sletdow:w7	spouse let s down when counting on	Categ
8	S8SLETDOW	s8sletdow:w8	spouse let s down when counting on	Categ
9	S9SLETDOW	s9sletdow:w9	spouse let s down when counting on	Categ
1	R1SGETNEV	r1sgetnev:w1	spouse gets on r's nerves	Categ
2	R2SGETNEV	r2sgetnev:w2	spouse gets on r's nerves	Categ
3	R3SGETNEV	r3sgetnev:w3	spouse gets on r's nerves	Categ
4	R4SGETNEV	r4sgetnev:w4	spouse gets on r's nerves	Categ
5	R5SGETNEV	r5sgetnev:w5	spouse gets on r's nerves	Categ
6	R6SGETNEV	r6sgetnev:w6	spouse gets on r's nerves	Categ
7	R7SGETNEV	r7sgetnev:w7	spouse gets on r's nerves	Categ
8	R8SGETNEV	r8sgetnev:w8	spouse gets on r's nerves	Categ



9	R9SGETNEV	r9sgetnev:w9	spouse gets on r's nerves	Categ
1	S1SGETNEV	s1sgetnev:w1	spouse gets on s's nerves	Categ
2	S2SGETNEV	s2sgetnev:w2	spouse gets on s's nerves	Categ
3	S3SGETNEV	s3sgetnev:w3	spouse gets on s's nerves	Categ
4	S4SGETNEV	s4sgetnev:w4	spouse gets on s's nerves	Categ
5	S5SGETNEV	s5sgetnev:w5	spouse gets on s's nerves	Categ
6	S6SGETNEV	s6sgetnev:w6	spouse gets on s's nerves	Categ
7	S7SGETNEV	s7sgetnev:w7	spouse gets on s's nerves	Categ
8	S8SGETNEV	s8sgetnev:w8	spouse gets on s's nerves	Categ
9	S9SGETNEV	s9sgetnev:w9	spouse gets on s's nerves	Categ
1	R1SSUPPORT6	r1ssupport6:w1	r's lack of spouse support 6-item score	Categ
2	R2SSUPPORT6	r2ssupport6:w2	r's lack of spouse support 6-item score	Categ
3	R3SSUPPORT6	r3ssupport6:w3	r's lack of spouse support 6-item score	Categ
4	R4SSUPPORT6	r4ssupport6:w4	r's lack of spouse support 6-item score	Categ
5	R5SSUPPORT6	r5ssupport6:w5	r's lack of spouse support 6-item score	Categ
6	R6SSUPPORT6	r6ssupport6:w6	r's lack of spouse support 6-item score	Categ
7	R7SSUPPORT6	r7ssupport6:w7	r's lack of spouse support 6-item score	Categ
8	R8SSUPPORT6	r8ssupport6:w8	r's lack of spouse support 6-item score	Categ
9	R9SSUPPORT6	r9ssupport6:w9	r's lack of spouse support 6-item score	Categ
1	S1SSUPPORT6	s1ssupport6:w1	s's lack of spouse support 6-item score	Categ
2	S2SSUPPORT6	s2ssupport6:w2	s's lack of spouse support 6-item score	Categ
3	S3SSUPPORT6	s3ssupport6:w3	s's lack of spouse support 6-item score	Categ
4	S4SSUPPORT6	s4ssupport6:w4	s's lack of spouse support 6-item score	Categ
5	S5SSUPPORT6	s5ssupport6:w5	s's lack of spouse support 6-item score	Categ
6	S6SSUPPORT6	s6ssupport6:w6	s's lack of spouse support 6-item score	Categ
7	S7SSUPPORT6	s7ssupport6:w7	s's lack of spouse support 6-item score	Categ
8	S8SSUPPORT6	s8ssupport6:w8	s's lack of spouse support 6-item score	Categ
9	S9SSUPPORT6	s9ssupport6:w9	s's lack of spouse support 6-item score	Categ
1	R1SSUPPORT6M	r1ssupport6m:w1	missings in r's lack of spouse support 6-ite	Categ
2	R2SSUPPORT6M	r2ssupport6m:w2	missings in r's lack of spouse support 6-ite	Categ
3	R3SSUPPORT6M	r3ssupport6m:w3	missings in r's lack of spouse support 6-ite	Categ
4	R4SSUPPORT6M	r4ssupport6m:w4	missings in r's lack of spouse support 6-ite	Categ
5	R5SSUPPORT6M	r5ssupport6m:w5	missings in r's lack of spouse support 6-ite	Categ
6	R6SSUPPORT6M	r6ssupport6m:w6	missings in r's lack of spouse support 6-ite	Categ
7	R7SSUPPORT6M	r7ssupport6m:w7	missings in r's lack of spouse support 6-ite	Categ
8	R8SSUPPORT6M	r8ssupport6m:w8	missings in r's lack of spouse support 6-ite	Categ
9	R9SSUPPORT6M	r9ssupport6m:w9	missings in r's lack of spouse support 6-ite	Categ
1	S1SSUPPORT6M	s1ssupport6m:w1	missings in s's lack of spouse support 6-ite	Categ
2	S2SSUPPORT6M	s2ssupport6m:w2	missings in s's lack of spouse support 6-ite	Categ
3	S3SSUPPORT6M	s3ssupport6m:w3	missings in s's lack of spouse support 6-ite	Categ
4	S4SSUPPORT6M	s4ssupport6m:w4	missings in s's lack of spouse support 6-ite	Categ
5	S5SSUPPORT6M	s5ssupport6m:w5	missings in s's lack of spouse support 6-ite	Categ
6	S6SSUPPORT6M	s6ssupport6m:w6	missings in s's lack of spouse support 6-ite	Categ
7	S7SSUPPORT6M	s7ssupport6m:w7	missings in s's lack of spouse support 6-ite	Categ
8	S8SSUPPORT6M	s8ssupport6m:w8	missings in s's lack of spouse support 6-ite	Categ
9	S9SSUPPORT6M	s9ssupport6m:w9	missings in s's lack of spouse support 6-ite	Categ
5	R5SSUPPORT	r5ssupport:w5	r's lack of spouse support 7-item score	Categ
6	R6SSUPPORT	r6ssupport:w6	r's lack of spouse support 7-item score	Categ
7	R7SSUPPORT	r7ssupport:w7	r's lack of spouse support 7-item score	Categ
8	R8SSUPPORT	r8ssupport:w8	r's lack of spouse support 7-item score	Categ
9	R9SSUPPORT	r9ssupport:w9	r's lack of spouse support 7-item score	Categ
5	S5SSUPPORT	s5ssupport:w5	s's lack of spouse support 7-item score	Categ
6	S6SSUPPORT	s6ssupport:w6	s's lack of spouse support 7-item score	Categ
7	S7SSUPPORT	s7ssupport:w7	s's lack of spouse support 7-item score	Categ
8	S8SSUPPORT	s8ssupport:w8	s's lack of spouse support 7-item score	Categ
9	S9SSUPPORT	s9ssupport:w9	s's lack of spouse support 7-item score	Categ

5	R5SSUPPORTM	r5ssupportm:w5	missings in r's lack of spouse support	7-item	Categ
6	R6SSUPPORTM	r6ssupportm:w6	missings in r's lack of spouse support	7-item	Categ
7	R7SSUPPORTM	r7ssupportm:w7	missings in r's lack of spouse support	7-item	Categ
8	R8SSUPPORTM	r8ssupportm:w8	missings in r's lack of spouse support	7-item	Categ
9	R9SSUPPORTM	r9ssupportm:w9	missings in r's lack of spouse support	7-item	Categ
5	S5SSUPPORTM	s5ssupportm:w5	missings in s's lack of spouse support	7-item	Categ
6	S6SSUPPORTM	s6ssupportm:w6	missings in s's lack of spouse support	7-item	Categ
7	S7SSUPPORTM	s7ssupportm:w7	missings in s's lack of spouse support	7-item	Categ
8	S8SSUPPORTM	s8ssupportm:w8	missings in s's lack of spouse support	7-item	Categ
9	S9SSUPPORTM	s9ssupportm:w9	missings in s's lack of spouse support	7-item	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SUSTDFE	7847	1.51	0.71	1.00	4.00
R2SUSTDFE	5895	1.51	0.70	1.00	4.00
R3SUSTDFE	5912	1.49	0.68	1.00	4.00
R4SUSTDFE	6763	1.55	0.72	1.00	4.00
R5SUSTDFE	6429	1.59	0.72	1.00	4.00
R6SUSTDFE	6500	1.57	0.72	1.00	4.00
R7SUSTDFE	5901	1.48	0.68	1.00	4.00
R8SUSTDFE	5159	1.56	0.72	1.00	4.00
R9SUSTDFE	5373	1.54	0.72	1.00	4.00
S1SUSTDFE	7372	1.50	0.70	1.00	4.00
S2SUSTDFE	5537	1.50	0.70	1.00	4.00
S3SUSTDFE	5507	1.47	0.67	1.00	4.00
S4SUSTDFE	6367	1.54	0.71	1.00	4.00
S5SUSTDFE	6104	1.58	0.71	1.00	4.00
S6SUSTDFE	6157	1.56	0.71	1.00	4.00
S7SUSTDFE	5554	1.47	0.67	1.00	4.00
S8SUSTDFE	4846	1.55	0.71	1.00	4.00
S9SUSTDFE	4951	1.52	0.70	1.00	4.00
R1SRELY	7878	1.17	0.53	1.00	4.00
R2SRELY	5916	1.16	0.51	1.00	4.00
R3SRELY	5924	1.13	0.46	1.00	4.00
R4SRELY	6779	1.16	0.50	1.00	4.00
R5SRELY	6439	1.18	0.53	1.00	4.00
R6SRELY	6526	1.19	0.54	1.00	4.00
R7SRELY	5915	1.15	0.48	1.00	4.00
R8SRELY	5164	1.19	0.55	1.00	4.00
R9SRELY	5387	1.19	0.54	1.00	4.00
S1SRELY	7403	1.16	0.52	1.00	4.00
S2SRELY	5559	1.15	0.49	1.00	4.00
S3SRELY	5519	1.12	0.44	1.00	4.00
S4SRELY	6382	1.15	0.49	1.00	4.00
S5SRELY	6115	1.17	0.51	1.00	4.00
S6SRELY	6179	1.18	0.53	1.00	4.00
S7SRELY	5569	1.14	0.46	1.00	4.00
S8SRELY	4852	1.18	0.53	1.00	4.00
S9SRELY	4964	1.17	0.51	1.00	4.00
R1SOPENUP	7866	1.43	0.73	1.00	4.00
R2SOPENUP	5909	1.42	0.72	1.00	4.00
R3SOPENUP	5919	1.40	0.69	1.00	4.00
R4SOPENUP	6777	1.43	0.72	1.00	4.00
R5SOPENUP	6437	1.45	0.72	1.00	4.00
R6SOPENUP	6512	1.45	0.72	1.00	4.00

R7SOPENUP	5907	1.40	0.68	1.00	4.00
R8SOPENUP	5163	1.46	0.73	1.00	4.00
R9SOPENUP	5382	1.46	0.72	1.00	4.00
S1SOPENUP	7390	1.42	0.72	1.00	4.00
S2SOPENUP	5551	1.41	0.71	1.00	4.00
S3SOPENUP	5514	1.39	0.67	1.00	4.00
S4SOPENUP	6380	1.42	0.71	1.00	4.00
S5SOPENUP	6111	1.44	0.71	1.00	4.00
S6SOPENUP	6166	1.44	0.71	1.00	4.00
S7SOPENUP	5561	1.39	0.67	1.00	4.00
S8SOPENUP	4849	1.45	0.72	1.00	4.00
S9SOPENUP	4959	1.44	0.70	1.00	4.00
R5SDEMAND	6414	3.24	0.86	1.00	4.00
R6SDEMAND	6500	3.25	0.86	1.00	4.00
R7SDEMAND	5904	3.30	0.84	1.00	4.00
R8SDEMAND	5147	3.26	0.85	1.00	4.00
R9SDEMAND	5373	3.29	0.84	1.00	4.00
S5SDEMAND	6089	3.26	0.86	1.00	4.00
S6SDEMAND	6157	3.26	0.86	1.00	4.00
S7SDEMAND	5560	3.31	0.84	1.00	4.00
S8SDEMAND	4835	3.27	0.85	1.00	4.00
S9SDEMAND	4950	3.30	0.83	1.00	4.00
R1SCRITZE	7857	2.76	0.83	1.00	4.00
R2SCRITZE	5901	2.73	0.82	1.00	4.00
R3SCRITZE	5910	2.75	0.83	1.00	4.00
R4SCRITZE	6775	2.72	0.82	1.00	4.00
R5SCRITZE	6429	2.65	0.83	1.00	4.00
R6SCRITZE	6510	2.69	0.83	1.00	4.00
R7SCRITZE	5901	2.74	0.82	1.00	4.00
R8SCRITZE	5157	2.71	0.82	1.00	4.00
R9SCRITZE	5380	2.75	0.84	1.00	4.00
S1SCRITZE	7383	2.76	0.83	1.00	4.00
S2SCRITZE	5543	2.73	0.81	1.00	4.00
S3SCRITZE	5506	2.75	0.83	1.00	4.00
S4SCRITZE	6380	2.72	0.82	1.00	4.00
S5SCRITZE	6104	2.66	0.83	1.00	4.00
S6SCRITZE	6165	2.69	0.83	1.00	4.00
S7SCRITZE	5559	2.74	0.82	1.00	4.00
S8SCRITZE	4845	2.72	0.82	1.00	4.00
S9SCRITZE	4954	2.76	0.83	1.00	4.00
R1SLETDOW	7851	3.57	0.78	1.00	4.00
R2SLETDOW	5893	3.57	0.77	1.00	4.00
R3SLETDOW	5906	3.54	0.80	1.00	4.00
R4SLETDOW	6766	3.55	0.78	1.00	4.00
R5SLETDOW	6417	3.52	0.81	1.00	4.00
R6SLETDOW	6500	3.55	0.78	1.00	4.00
R7SLETDOW	5896	3.55	0.79	1.00	4.00
R8SLETDOW	5147	3.54	0.78	1.00	4.00
R9SLETDOW	5363	3.55	0.77	1.00	4.00
S1SLETDOW	7377	3.58	0.77	1.00	4.00
S2SLETDOW	5534	3.59	0.76	1.00	4.00
S3SLETDOW	5502	3.56	0.79	1.00	4.00
S4SLETDOW	6374	3.56	0.78	1.00	4.00
S5SLETDOW	6093	3.53	0.80	1.00	4.00
S6SLETDOW	6155	3.56	0.77	1.00	4.00
S7SLETDOW	5552	3.56	0.79	1.00	4.00

S8SLETDOW	4834	3.54	0.78	1.00	4.00
S9SLETDOW	4942	3.56	0.76	1.00	4.00
R1SGETNEV	7859	3.20	0.78	1.00	4.00
R2SGETNEV	5908	3.18	0.76	1.00	4.00
R3SGETNEV	5901	3.16	0.78	1.00	4.00
R4SGETNEV	6763	3.15	0.76	1.00	4.00
R5SGETNEV	6432	3.11	0.76	1.00	4.00
R6SGETNEV	6506	3.09	0.77	1.00	4.00
R7SGETNEV	5904	3.11	0.76	1.00	4.00
R8SGETNEV	5156	3.07	0.77	1.00	4.00
R9SGETNEV	5374	3.06	0.76	1.00	4.00
S1SGETNEV	7384	3.21	0.78	1.00	4.00
S2SGETNEV	5549	3.19	0.75	1.00	4.00
S3SGETNEV	5500	3.17	0.77	1.00	4.00
S4SGETNEV	6367	3.16	0.76	1.00	4.00
S5SGETNEV	6107	3.11	0.75	1.00	4.00
S6SGETNEV	6163	3.10	0.76	1.00	4.00
S7SGETNEV	5559	3.12	0.76	1.00	4.00
S8SGETNEV	4843	3.08	0.76	1.00	4.00
S9SGETNEV	4951	3.08	0.75	1.00	4.00
R1SSUPPORT6	7891	1.60	0.51	1.00	4.00
R2SSUPPORT6	5927	1.60	0.50	1.00	4.00
R3SSUPPORT6	5933	1.60	0.49	1.00	4.00
R4SSUPPORT6	6790	1.62	0.50	1.00	4.00
R5SSUPPORT6	6446	1.66	0.50	1.00	4.00
R6SSUPPORT6	5476	1.65	0.51	1.00	4.00
R7SSUPPORT6	4863	1.61	0.49	1.00	4.00
R8SSUPPORT6	4238	1.65	0.50	1.00	4.00
R9SSUPPORT6	4300	1.64	0.50	1.00	4.00
S1SSUPPORT6	7413	1.59	0.50	1.00	4.00
S2SSUPPORT6	5567	1.59	0.49	1.00	4.00
S3SSUPPORT6	5523	1.58	0.48	1.00	4.00
S4SSUPPORT6	6393	1.61	0.50	1.00	4.00
S5SSUPPORT6	6120	1.65	0.49	1.00	4.00
S6SSUPPORT6	5145	1.64	0.50	1.00	4.00
S7SSUPPORT6	4543	1.60	0.48	1.00	4.00
S8SSUPPORT6	3937	1.64	0.49	1.00	4.00
S9SSUPPORT6	3890	1.63	0.48	1.00	3.83
R1SSUPPORT6M	12099	2.10	2.85	0.00	6.00
R2SSUPPORT6M	9432	2.24	2.89	0.00	6.00
R3SSUPPORT6M	9766	2.37	2.92	0.00	6.00
R4SSUPPORT6M	11050	2.32	2.92	0.00	6.00
R5SSUPPORT6M	10274	2.24	2.90	0.00	6.00
R6SSUPPORT6M	10601	2.32	2.91	0.00	6.00
R7SSUPPORT6M	9666	2.34	2.92	0.00	6.00
R8SSUPPORT6M	8445	2.34	2.92	0.00	6.00
R9SSUPPORT6M	8736	2.31	2.91	0.00	6.00
S1SSUPPORT6M	8070	0.51	1.65	0.00	6.00
S2SSUPPORT6M	6178	0.61	1.80	0.00	6.00
S3SSUPPORT6M	6382	0.82	2.05	0.00	6.00
S4SSUPPORT6M	7402	0.83	2.06	0.00	6.00
S5SSUPPORT6M	6964	0.74	1.96	0.00	6.00
S6SSUPPORT6M	7242	0.89	2.12	0.00	6.00
S7SSUPPORT6M	6560	0.92	2.14	0.00	6.00
S8SSUPPORT6M	5688	0.89	2.12	0.00	6.00
S9SSUPPORT6M	5820	0.89	2.12	0.00	6.00

R5SSUPPORT	6446	1.67	0.50	1.00	4.00
R6SSUPPORT	5476	1.66	0.52	1.00	4.00
R7SSUPPORT	4863	1.62	0.50	1.00	4.00
R8SSUPPORT	4239	1.66	0.51	1.00	4.00
R9SSUPPORT	4300	1.65	0.51	1.00	4.00
S5SSUPPORT	6120	1.66	0.50	1.00	4.00
S6SSUPPORT	5145	1.65	0.51	1.00	4.00
S7SSUPPORT	4543	1.61	0.49	1.00	4.00
S8SSUPPORT	3938	1.65	0.50	1.00	4.00
S9SSUPPORT	3890	1.64	0.49	1.00	3.86
R5SSUPPORTM	10274	2.62	3.38	0.00	7.00
R6SSUPPORTM	10601	2.70	3.40	0.00	7.00
R7SSUPPORTM	9666	2.72	3.40	0.00	7.00
R8SSUPPORTM	8445	2.73	3.40	0.00	7.00
R9SSUPPORTM	8736	2.69	3.39	0.00	7.00
S5SSUPPORTM	6964	0.87	2.29	0.00	7.00
S6SSUPPORTM	7242	1.04	2.47	0.00	7.00
S7SSUPPORTM	6560	1.07	2.50	0.00	7.00
S8SSUPPORTM	5688	1.04	2.47	0.00	7.00
S9SSUPPORTM	5820	1.04	2.47	0.00	7.00

### Categorical Variable Codes

Value-----	R1SUSTDFE	R2SUSTDFE	R3SUSTDFE	R4SUSTDFE	R5SUSTDFE
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	248	276	184	213	171
.n:no spouse	2896	2189	2143	2366	2430
1.a lot	4706	3494	3584	3823	3386
2.some	2431	1883	1863	2292	2381
3.a little	572	417	386	525	552
4.not at all	138	101	79	123	110

Value-----	R6SUSTDFE	R7SUSTDFE	R8SUSTDFE	R9SUSTDFE
.c:not in self-completion m	1610	1484	1232	1246
.m:Missing	115	120	95	54
.n:no spouse	2376	2161	1959	2012
.r:Refuse				51
1.a lot	3572	3570	2859	3070
2.some	2316	1898	1821	1803
3.a little	473	344	377	394
4.not at all	139	89	102	106

Value-----	S1SUSTDFE	S2SUSTDFE	S3SUSTDFE	S4SUSTDFE	S5SUSTDFE
.c:not in self-completion m	530	452	769	890	751
.m:Missing	157	186	107	140	98
.n:no spouse	11	3	1	5	11
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	4473	3328	3399	3640	3259
2.some	2267	1744	1702	2137	2236
3.a little	511	375	341	487	514
4.not at all	121	90	65	103	95

Value-----	S6SUSTDFE	S7SUSTDFE	S8SUSTDFE	S9SUSTDFE
.c:not in self-completion m	1004	917	769	801
.m:Missing	65	76	62	16
.n:no spouse	16	13	11	7
.r:Refuse				45
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.a lot	3416	3395	2716	2876
2.some	2180	1770	1699	1651
3.a little	436	315	341	340

4.not at all	125	74	90	84	
Value-----	R1SRELY	R2SRELY	R3SRELY	R4SRELY	R5SRELY
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	217	255	172	197	161
.n:no spouse	2896	2189	2143	2366	2430
1.a lot	6961	5259	5358	6028	5612
2.some	573	432	384	490	546
3.a little	239	157	135	191	217
4.not at all	105	68	47	70	64
Value-----	R6SRELY	R7SRELY	R8SRELY	R9SRELY	
.c:not in self-completion m	1610	1479	1230	1245	
.m:Missing	89	111	92	54	
.n:no spouse	2376	2161	1959	2012	
.r:Refuse				38	
1.a lot	5678	5297	4488	4696	
2.some	548	425	439	452	
3.a little	219	138	170	167	
4.not at all	81	55	67	72	
Value-----	S1SRELY	S2SRELY	S3SRELY	S4SRELY	S5SRELY
.c:not in self-completion m	530	452	769	890	751
.m:Missing	126	164	95	125	87
.n:no spouse	11	3	1	5	11
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	6589	4974	5030	5710	5367
2.some	513	388	337	442	494
3.a little	208	137	111	169	198
4.not at all	93	60	41	61	56
Value-----	S6SRELY	S7SRELY	S8SRELY	S9SRELY	
.c:not in self-completion m	1004	912	767	800	
.m:Missing	43	66	58	16	
.n:no spouse	16	13	11	7	
.r:Refuse				33	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	5408	5006	4239	4365	
2.some	498	394	402	402	
3.a little	202	122	152	143	
4.not at all	71	47	59	54	
Value-----	R1SOPENUP	R2SOPENUP	R3SOPENUP	R4SOPENUP	R5SOPENUP
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	229	262	177	199	163
.n:no spouse	2896	2189	2143	2366	2430
1.a lot	5378	4078	4095	4595	4276
2.some	1746	1305	1364	1580	1567
3.a little	561	381	351	448	466
4.not at all	181	145	109	154	128
Value-----	R6SOPENUP	R7SOPENUP	R8SOPENUP	R9SOPENUP	
.c:not in self-completion m	1613	1481	1228	1244	
.m:Missing	100	117	95	54	
.n:no spouse	2376	2161	1959	2012	
.r:Refuse				44	
1.a lot	4305	4077	3391	3514	
2.some	1611	1388	1267	1393	
3.a little	457	331	390	348	
4.not at all	139	111	115	127	
Value-----	S1SOPENUP	S2SOPENUP	S3SOPENUP	S4SOPENUP	S5SOPENUP
.c:not in self-completion m	530	452	769	890	751
.m:Missing	139	172	100	127	91
.n:no spouse	11	3	1	5	11
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	5112	3867	3872	4359	4095
2.some	1612	1210	1244	1473	1470

3.a little	501	350	307	418	433
4.not at all	165	124	91	130	113
Value-----	S6SOPENUP	S7SOPENUP	S8SOPENUP	S9SOPENUP	
.c:not in self-completion m	1007	914	765	799	
.m:Missing	53	72	63	16	
.n:no spouse	16	13	11	7	
.r:Refuse				39	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	4112	3877	3228	3288	
2.some	1511	1289	1170	1268	
3.a little	423	302	356	301	
4.not at all	120	93	95	102	
Value-----					R5SDEMAND
.c:not in self-completion m					1244
.m:Missing					186
.n:no spouse					2430
1.a lot					257
2.some					1015
3.a little					2045
4.not at all					3097
Value-----	R6SDEMAND	R7SDEMAND	R8SDEMAND	R9SDEMAND	
.c:not in self-completion m	1618	1480	1233	1248	
.m:Missing	107	121	106	54	
.n:no spouse	2376	2161	1959	2012	
.r:Refuse				49	
1.a lot	267	202	177	194	
2.some	998	862	829	767	
3.a little	2079	1810	1605	1696	
4.not at all	3156	3030	2536	2716	
Value-----					S5SDEMAND
.c:not in self-completion m					751
.m:Missing					113
.n:no spouse					11
.u:Unmar					2742
.v:SP NR					568
1.a lot					235
2.some					953
3.a little					1922
4.not at all					2979
Value-----	S6SDEMAND	S7SDEMAND	S8SDEMAND	S9SDEMAND	
.c:not in self-completion m	1011	913	770	803	
.m:Missing	58	74	72	16	
.n:no spouse	16	13	11	7	
.r:Refuse				44	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	246	182	160	168	
2.some	934	806	773	686	
3.a little	1960	1698	1498	1565	
4.not at all	3017	2874	2404	2531	
Value-----	R1SCRITZE	R2SCRITZE	R3SCRITZE	R4SCRITZE	R5SCRITZE
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	238	270	186	201	171
.n:no spouse	2896	2189	2143	2366	2430
1.a lot	487	343	309	414	402
2.some	2431	1936	2038	2262	2482
3.a little	3401	2580	2409	2897	2485
4.not at all	1538	1042	1154	1202	1060
Value-----	R6SCRITZE	R7SCRITZE	R8SCRITZE	R9SCRITZE	
.c:not in self-completion m	1612	1482	1229	1247	
.m:Missing	103	122	100	54	
.n:no spouse	2376	2161	1959	2012	
.r:Refuse				43	

1.a lot	422	302	309	308	
2.some	2287	2047	1764	1787	
3.a little	2692	2441	2180	2201	
4.not at all	1109	1111	904	1084	
Value-----	S1SCRITZE	S2SCRITZE	S3SCRITZE	S4SCRITZE	S5SCRITZE
.c:not in self-completion m	530	452	769	890	751
.m:Missing	146	180	108	127	98
.n:no spouse	11	3	1	5	11
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	450	317	282	384	374
2.some	2297	1835	1893	2142	2364
3.a little	3196	2420	2253	2728	2348
4.not at all	1440	971	1078	1126	1018
Value-----	S6SCRITZE	S7SCRITZE	S8SCRITZE	S9SCRITZE	
.c:not in self-completion m	1006	915	766	802	
.m:Missing	55	73	66	16	
.n:no spouse	16	13	11	7	
.r:Refuse				41	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	395	277	288	263	
2.some	2182	1938	1662	1657	
3.a little	2538	2303	2033	2042	
4.not at all	1050	1041	862	992	
Value-----	R1SLETDOW	R2SLETDOW	R3SLETDOW	R4SLETDOW	R5SLETDOW
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	244	278	190	210	183
.n:no spouse	2896	2189	2143	2366	2430
1.a lot	244	159	193	192	204
2.some	664	539	581	640	675
3.a little	1315	962	950	1197	1105
4.not at all	5628	4233	4182	4737	4433
Value-----	R6SLETDOW	R7SLETDOW	R8SLETDOW	R9SLETDOW	
.c:not in self-completion m	1616	1483	1234	1249	
.m:Missing	109	126	105	54	
.n:no spouse	2376	2161	1959	2012	
.r:Refuse				58	
1.a lot	183	198	136	135	
2.some	606	529	514	505	
3.a little	1157	976	939	999	
4.not at all	4554	4193	3558	3724	
Value-----	S1SLETDOW	S2SLETDOW	S3SLETDOW	S4SLETDOW	S5SLETDOW
.c:not in self-completion m	530	452	769	890	751
.m:Missing	152	189	112	133	109
.n:no spouse	11	3	1	5	11
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	222	148	174	178	187
2.some	607	487	523	595	629
3.a little	1199	876	861	1102	1033
4.not at all	5349	4023	3944	4499	4244
Value-----	S6SLETDOW	S7SLETDOW	S8SLETDOW	S9SLETDOW	
.c:not in self-completion m	1010	916	771	804	
.m:Missing	61	79	72	16	
.n:no spouse	16	13	11	7	
.r:Refuse				51	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	170	183	131	115	
2.some	565	491	478	459	
3.a little	1085	907	864	925	
4.not at all	4335	3971	3361	3443	
Value-----	R1SGETNEV	R2SGETNEV	R3SGETNEV	R4SGETNEV	R5SGETNEV



.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	236	263	195	213	168
.n:no spouse	2896	2189	2143	2366	2430
1.a lot	252	157	154	176	181
2.some	1021	784	919	1012	994
3.a little	3509	2811	2650	3182	3225
4.not at all	3077	2156	2178	2393	2032
Value-----	R6SGETNEV	R7SGETNEV	R8SGETNEV	R9SGETNEV	
.c:not in self-completion m	1615	1480	1230	1248	
.m:Missing	104	121	100	54	
.n:no spouse	2376	2161	1959	2012	
.r:Refuse				48	
1.a lot	205	162	169	175	
2.some	1039	944	836	874	
3.a little	3223	2884	2619	2777	
4.not at all	2039	1914	1532	1548	
Value-----	S1SGETNEV	S2SGETNEV	S3SGETNEV	S4SGETNEV	S5SGETNEV
.c:not in self-completion m	530	452	769	890	751
.m:Missing	145	174	114	140	95
.n:no spouse	11	3	1	5	11
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	224	134	136	161	168
2.some	951	738	836	939	924
3.a little	3273	2621	2458	2991	3057
4.not at all	2936	2056	2070	2276	1958
Value-----	S6SGETNEV	S7SGETNEV	S8SGETNEV	S9SGETNEV	
.c:not in self-completion m	1009	913	767	803	
.m:Missing	54	75	67	16	
.n:no spouse	16	13	11	7	
.r:Refuse				43	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	183	142	152	141	
2.some	983	888	781	800	
3.a little	3059	2711	2456	2549	
4.not at all	1938	1818	1454	1461	

## How Constructed

RwSUSTDFE indicates how much the respondent feels their spouse really understands the way they feel about things.

RwSRELY indicates how much the respondent feels they can rely on their spouse if they have a serious problem.

RwSOPENUP indicates how much the respondent feels they can open up to their spouse when they need to talk about their worries.

RwSDEMAND indicates how often the respondent feels their spouse makes too many demands on them.

RwSCRITZE indicates how much the respondent feels their spouse criticizes them.

RwSLETDOW indicates how much the respondent feels their spouse let them down when they are counting on them.

RwSGETNEV indicates how much the respondent feels their spouse gets on their nerves.

RwSUSTDFE, RwSRELY, RwSOPENUP, RwSDEMAND, RwSCRITZE, RwSLETDOW and RwSGETNEV are coded as follows: 1. a lot, 2. some, 3. a little and 4. not at all. Special missing .n is assigned if the respondent indicates they did not have a husband, wife or partner to live with. Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Special missing .m is assigned if their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwSUSTDFE, SwSRELY, SwSOPENUP, SwSDEMAND, SwSCRITZE, SwSLETDOW and SwSGETNEV indicate the current wave's spouse's feelings about statements about their spouse and are taken from the spouse's values to RwsUSTDFE, RwsRELY, RwsOPENUP, RwsDEMAND, RwsSCRITZE, RwsLETDOW and RwsGETNEV. In addition to the special missing codes used in RwsUSTDFE, RwsRELY, RwsOPENUP, RwsDEMAND, RwsSCRITZE, RwsLETDOW and RwsGETNEV, SwSUSTDFE, SwSRELY, SwSOPENUP, SwSDEMAND, SwSCRITZE, SwSLETDOW and SwSGETNEV employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwSSUPPORT6 indicates the mean of the six different spouse questions (RwsUSTDFE, RwsRELY, RwsOPENUP, RwsSCRITZE, RwsLETDOW and RwsGETNEV) and can be used as a summary score. RwSSUPPORT6 is calculated for any respondent with at least one non-missing value for its six components. Since RwSSUPPORT6 indicates how much the respondent feels a lack of support from their spouse, we reverse coded the values of RwsSCRITZE, RwsLETDOW and RwsGETNEV to make sure that higher scores indicate less support that the respondent feels from their spouse. The coding of RwsUSTDFE, RwsRELY and RwsOPENUP did not change. RwSSUPPORT6M counts the number of components with missing values in RwSSUPPORT6, which could be between no missing components (0) and six missing components (6). Special missing .n is assigned if the respondent has no spouse or partner. Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Special missing .m is assigned if their responses for all 6 components are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwSSUPPORT6 and SwSSUPPORT6M indicate the mean summary score of six different spouse support questions and the count of any missing components for the current wave's spouse and are taken from the spouse's values to RwSSUPPORT6 and RwSSUPPORT6M. In addition to the special missing codes used in RwSSUPPORT6 and RwSSUPPORT6M, SwSSUPPORT6 and SwSSUPPORT6M employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwSSUPPORT indicates the mean of the seven different spouse questions (RwsUSTDFE, RwsRELY, RwsOPENUP, RwsDEMAND, RwsSCRITZE, RwsLETDOW and RwsGETNEV) and can be used as a summary score. RwSSUPPORT is calculated for any respondent with at least one non-missing value for its seven components. Since RwSSUPPORT indicates how much the respondents feels a lack of support from their spouse, we reverse coded the values of RwsDEMAND, RwsSCRITZE, RwsLETDOW and RwsGETNEV to make sure that higher scores indicate less support that the respondent feels from their spouse. The coding of RwsUSTDFE, RwsRELY and RwsOPENUP did not change. RwSSUPPORTM counts the number of components with missing values in RwSSUPPORT, which could be between no missing components (0) and seven missing components (7). Special missing .n is assigned if the respondent has no spouse or partner. Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Special missing .m is assigned if their responses for all 7 components are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwSSUPPORT and SwSSUPPORTM indicate the mean summary score of seven different spouse support questions and the count of any missing components for the current wave's spouse and are taken from the spouse's values to RwSSUPPORT and RwSSUPPORTM. In addition to the special missing codes used in RwSSUPPORT and RwSSUPPORTM, SwSSUPPORT and SwSSUPPORTM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

ELSA starts to ask the respondent about how often they feel their spouse makes too many demands on them in Wave 5; therefore, RwSSUPPORT becomes available in Wave 5.

## Differences with the HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

## Index File:

OUTSCW1 wave 1 self-completion outcome  
 OUTSCW2 wave 2 self-completion outcome  
 OUTSCW3 wave 3 core self-completion outcome  
 OUTSCW4 outcome of wave 4 core self completion questionnaire  
 OUTSCW5 outcome of core wave 5 self-completion questionnaire

## Wave 1 Core:

SCPTRA how much does you spouse/partner really understand the wa  
 SCPTRB how much can you rely on your spouse/partner if you have  
 SCPTRC how much can you open up to your spouse/partner if you  
 SCPTRD how much does your spouse/partner criticise you?  
 SCPTRE how much does your spouse/partner let you down when you  
 SCPTRF how much does your spouse/partner get your nerves

## Wave 2 Core:

SCPTRA How much respondent feels their spouse/partner understand  
 SCPTRB How much respondent can rely on spouse/partner if they h  
 SCPTRC How much respondent can open up to their spouse/partner  
 SCPTRD How much the spouse/partner criticisesthe respondent  
 SCPTRE How much the spouse/partner lets the respondent down  
 SCPTRF How much the spouse/partner gets on the respondent~s ner

## Wave 3 Core:

SCPTRA how much respondent feels their spouse/partner understand  
 SCPTRB how much respondent can rely on spouse/partner if they h  
 SCPTRC how much respondent can open up to their spouse/partner  
 SCPTRD how much the spouse/partner criticisesthe respondent  
 SCPTRE how much the spouse/partner lets the respondent down  
 SCPTRF how much the spouse/partner gets on the respondent~s ner

## Wave 4 Core:

SCPTRA how much respondent feels their spouse/partner understand  
 SCPTRB how much respondent can rely on spouse/partner if they h  
 SCPTRC how much respondent can open up to their spouse/partner  
 SCPTRD how much the spouse/partner criticises the respondent  
 SCPTRE how much the spouse/partner lets the respondent down  
 SCPTRF how much the spouse/partner gets on the respondent~s ner

## Wave 5 Core:

SCPTRA How much respondent feels their spouse/partner understand  
 SCPTRB How much respondent can rely on spouse/partner if they h  
 SCPTRC How much respondent can open up to their spouse/partner  
 SCPTRD How much the spouse/partner criticisesthe respondent  
 SCPTRE How much the spouse/partner lets the respondent down  
 SCPTRF How much the spouse/partner gets on the respondent~s ner

## Wave 6 Core:

Q18G how much spouse/partner makes too many demands on respon  
 SCPTRA how much respondent feels their spouse/partner understand  
 SCPTRB how much respondent can rely on spouse/partner if they h  
 SCPTRC how much respondent can open up to their spouse/partner  
 SCPTRD how much the spouse/partner criticisesthe respondent  
 SCPTRE how much the spouse/partner lets the respondent down  
 SCPTRF how much the spouse/partner gets on the respondent~s ner

## Wave 7 Core:

SCPTRA how much respondent feels their spouse/partner understand  
 SCPTRB how much respondent can rely on spouse/partner if they h  
 SCPTRC how much respondent can open up to their spouse/partner  
 SCPTRD how much the spouse/partner criticisesthe respondent  
 SCPTRE how much the spouse/partner lets the respondent down  
 SCPTRF how much the spouse/partner gets on the respondent~s ner  
 SCPTRG how often does your spouse/partner make too many demands

## Wave 8 Core:

SCPRTA how much their spouse/partner understands the way they f  
 SCPRTB how much can rely on their spouse/partner if they have a  
 SCPRTC how much can open up to their spouse/partner if they nee  
 SCPRTD how much their spouse/partner criticises the respondent  
 SCPRTE how much their spouse/partner lets the respondent down

SCPRTF	how much their spouse/partner gets on the respondent's n
SCPRTG	how often their spouse/partner makes too many demands on
Wave 9 Core:	
SCPRTA	How much their spouse/partner understands the way they f
SCPRTB	How much can rely on their spouse/partner if they have a
SCPRTC	How much can open up to their spouse/partner if they nee
SCPRTD	How much their spouse/partner criticises the respondent
SCP RTE	How much their spouse/partner lets the respondent down
SCPRTF	How much their spouse/partner gets on the respondent's n
SCPRTG	How often their spouse/partner makes too many demands on

<b>Social Support: Children</b>
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Wave	Variable	Label	Type
1	R1KUSTDFE	r1kustdfe:w1 r thinks children understand the way they feel	Categ
2	R2KUSTDFE	r2kustdfe:w2 r thinks children understand the way they feel	Categ
3	R3KUSTDFE	r3kustdfe:w3 r thinks children understand the way they feel	Categ
4	R4KUSTDFE	r4kustdfe:w4 r thinks children understand the way they feel	Categ
5	R5KUSTDFE	r5kustdfe:w5 r thinks children understand the way they feel	Categ
6	R6KUSTDFE	r6kustdfe:w6 r thinks children understand the way they feel	Categ
7	R7KUSTDFE	r7kustdfe:w7 r thinks children understand the way they feel	Categ
8	R8KUSTDFE	r8kustdfe:w8 r thinks children understand the way they feel	Categ
9	R9KUSTDFE	r9kustdfe:w9 r thinks children understand the way they feel	Categ
1	S1KUSTDFE	s1kustdfe:w1 s thinks children understand the way they feel	Categ
2	S2KUSTDFE	s2kustdfe:w2 s thinks children understand the way they feel	Categ
3	S3KUSTDFE	s3kustdfe:w3 s thinks children understand the way they feel	Categ
4	S4KUSTDFE	s4kustdfe:w4 s thinks children understand the way they feel	Categ
5	S5KUSTDFE	s5kustdfe:w5 s thinks children understand the way they feel	Categ
6	S6KUSTDFE	s6kustdfe:w6 s thinks children understand the way they feel	Categ
7	S7KUSTDFE	s7kustdfe:w7 s thinks children understand the way they feel	Categ
8	S8KUSTDFE	s8kustdfe:w8 s thinks children understand the way they feel	Categ
9	S9KUSTDFE	s9kustdfe:w9 s thinks children understand the way they feel	Categ
1	R1KRELY	r1krely:w1 r can rely on children for a serious problem	Categ
2	R2KRELY	r2krely:w2 r can rely on children for a serious problem	Categ
3	R3KRELY	r3krely:w3 r can rely on children for a serious problem	Categ
4	R4KRELY	r4krely:w4 r can rely on children for a serious problem	Categ
5	R5KRELY	r5krely:w5 r can rely on children for a serious problem	Categ
6	R6KRELY	r6krely:w6 r can rely on children for a serious problem	Categ
7	R7KRELY	r7krely:w7 r can rely on children for a serious problem	Categ
8	R8KRELY	r8krely:w8 r can rely on children for a serious problem	Categ
9	R9KRELY	r9krely:w9 r can rely on children for a serious problem	Categ
1	S1KRELY	s1krely:w1 s can rely on children for a serious problem	Categ
2	S2KRELY	s2krely:w2 s can rely on children for a serious problem	Categ
3	S3KRELY	s3krely:w3 s can rely on children for a serious problem	Categ
4	S4KRELY	s4krely:w4 s can rely on children for a serious problem	Categ
5	S5KRELY	s5krely:w5 s can rely on children for a serious problem	Categ
6	S6KRELY	s6krely:w6 s can rely on children for a serious problem	Categ
7	S7KRELY	s7krely:w7 s can rely on children for a serious problem	Categ
8	S8KRELY	s8krely:w8 s can rely on children for a serious problem	Categ
9	S9KRELY	s9krely:w9 s can rely on children for a serious problem	Categ
1	R1KOPENUP	r1kopenup:w1 r can open up their worries to children	Categ
2	R2KOPENUP	r2kopenup:w2 r can open up their worries to children	Categ
3	R3KOPENUP	r3kopenup:w3 r can open up their worries to children	Categ
4	R4KOPENUP	r4kopenup:w4 r can open up their worries to children	Categ
5	R5KOPENUP	r5kopenup:w5 r can open up their worries to children	Categ
6	R6KOPENUP	r6kopenup:w6 r can open up their worries to children	Categ
7	R7KOPENUP	r7kopenup:w7 r can open up their worries to children	Categ
8	R8KOPENUP	r8kopenup:w8 r can open up their worries to children	Categ
9	R9KOPENUP	r9kopenup:w9 r can open up their worries to children	Categ
1	S1KOPENUP	s1kopenup:w1 s can open up their worries to children	Categ
2	S2KOPENUP	s2kopenup:w2 s can open up their worries to children	Categ
3	S3KOPENUP	s3kopenup:w3 s can open up their worries to children	Categ
4	S4KOPENUP	s4kopenup:w4 s can open up their worries to children	Categ
5	S5KOPENUP	s5kopenup:w5 s can open up their worries to children	Categ
6	S6KOPENUP	s6kopenup:w6 s can open up their worries to children	Categ
7	S7KOPENUP	s7kopenup:w7 s can open up their worries to children	Categ

8	S8KOPENUP	s8kopenup:w8	s can open up their worries to children	Categ
9	S9KOPENUP	s9kopenup:w9	s can open up their worries to children	Categ
5	R5KDEMAND	r5kdemand:w5	children put too many demands on r	Categ
6	R6KDEMAND	r6kdemand:w6	children put too many demands on r	Categ
7	R7KDEMAND	r7kdemand:w7	children put too many demands on r	Categ
8	R8KDEMAND	r8kdemand:w8	children put too many demands on r	Categ
9	R9KDEMAND	r9kdemand:w9	children put too many demands on r	Categ
5	S5KDEMAND	s5kdemand:w5	children put too many demands on s	Categ
6	S6KDEMAND	s6kdemand:w6	children put too many demands on s	Categ
7	S7KDEMAND	s7kdemand:w7	children put too many demands on s	Categ
8	S8KDEMAND	s8kdemand:w8	children put too many demands on s	Categ
9	S9KDEMAND	s9kdemand:w9	children put too many demands on s	Categ
1	R1KCRITZE	r1kcritze:w1	how much children criticize r	Categ
2	R2KCRITZE	r2kcritze:w2	how much children criticize r	Categ
3	R3KCRITZE	r3kcritze:w3	how much children criticize r	Categ
4	R4KCRITZE	r4kcritze:w4	how much children criticize r	Categ
5	R5KCRITZE	r5kcritze:w5	how much children criticize r	Categ
6	R6KCRITZE	r6kcritze:w6	how much children criticize r	Categ
7	R7KCRITZE	r7kcritze:w7	how much children criticize r	Categ
8	R8KCRITZE	r8kcritze:w8	how much children criticize r	Categ
9	R9KCRITZE	r9kcritze:w9	how much children criticize r	Categ
1	S1KCRITZE	s1kcritze:w1	how much children criticize s	Categ
2	S2KCRITZE	s2kcritze:w2	how much children criticize s	Categ
3	S3KCRITZE	s3kcritze:w3	how much children criticize s	Categ
4	S4KCRITZE	s4kcritze:w4	how much children criticize s	Categ
5	S5KCRITZE	s5kcritze:w5	how much children criticize s	Categ
6	S6KCRITZE	s6kcritze:w6	how much children criticize s	Categ
7	S7KCRITZE	s7kcritze:w7	how much children criticize s	Categ
8	S8KCRITZE	s8kcritze:w8	how much children criticize s	Categ
9	S9KCRITZE	s9kcritze:w9	how much children criticize s	Categ
1	R1KLETDOW	r1kletdow:w1	children let r down when counting on them	Categ
2	R2KLETDOW	r2kletdow:w2	children let r down when counting on them	Categ
3	R3KLETDOW	r3kletdow:w3	children let r down when counting on them	Categ
4	R4KLETDOW	r4kletdow:w4	children let r down when counting on them	Categ
5	R5KLETDOW	r5kletdow:w5	children let r down when counting on them	Categ
6	R6KLETDOW	r6kletdow:w6	children let r down when counting on them	Categ
7	R7KLETDOW	r7kletdow:w7	children let r down when counting on them	Categ
8	R8KLETDOW	r8kletdow:w8	children let r down when counting on them	Categ
9	R9KLETDOW	r9kletdow:w9	children let r down when counting on them	Categ
1	S1KLETDOW	s1kletdow:w1	children let s down when counting on them	Categ
2	S2KLETDOW	s2kletdow:w2	children let s down when counting on them	Categ
3	S3KLETDOW	s3kletdow:w3	children let s down when counting on them	Categ
4	S4KLETDOW	s4kletdow:w4	children let s down when counting on them	Categ
5	S5KLETDOW	s5kletdow:w5	children let s down when counting on them	Categ
6	S6KLETDOW	s6kletdow:w6	children let s down when counting on them	Categ
7	S7KLETDOW	s7kletdow:w7	children let s down when counting on them	Categ
8	S8KLETDOW	s8kletdow:w8	children let s down when counting on them	Categ
9	S9KLETDOW	s9kletdow:w9	children let s down when counting on them	Categ
1	R1KGETNEV	r1kgetnev:w1	children get on r's nerves	Categ
2	R2KGETNEV	r2kgetnev:w2	children get on r's nerves	Categ
3	R3KGETNEV	r3kgetnev:w3	children get on r's nerves	Categ
4	R4KGETNEV	r4kgetnev:w4	children get on r's nerves	Categ
5	R5KGETNEV	r5kgetnev:w5	children get on r's nerves	Categ
6	R6KGETNEV	r6kgetnev:w6	children get on r's nerves	Categ
7	R7KGETNEV	r7kgetnev:w7	children get on r's nerves	Categ
8	R8KGETNEV	r8kgetnev:w8	children get on r's nerves	Categ

9	R9KGETNEV	r9kgetnev:w9 children get on r's nerves	Categ
1	S1KGETNEV	s1kgetnev:w1 children get on s's nerves	Categ
2	S2KGETNEV	s2kgetnev:w2 children get on s's nerves	Categ
3	S3KGETNEV	s3kgetnev:w3 children get on s's nerves	Categ
4	S4KGETNEV	s4kgetnev:w4 children get on s's nerves	Categ
5	S5KGETNEV	s5kgetnev:w5 children get on s's nerves	Categ
6	S6KGETNEV	s6kgetnev:w6 children get on s's nerves	Categ
7	S7KGETNEV	s7kgetnev:w7 children get on s's nerves	Categ
8	S8KGETNEV	s8kgetnev:w8 children get on s's nerves	Categ
9	S9KGETNEV	s9kgetnev:w9 children get on s's nerves	Categ
1	R1KSUPPORT6	r1ksupport6:w1 r's lack of children support 6-item score	Categ
2	R2KSUPPORT6	r2ksupport6:w2 r's lack of children support 6-item score	Categ
3	R3KSUPPORT6	r3ksupport6:w3 r's lack of children support 6-item score	Categ
4	R4KSUPPORT6	r4ksupport6:w4 r's lack of children support 6-item score	Categ
5	R5KSUPPORT6	r5ksupport6:w5 r's lack of children support 6-item score	Categ
6	R6KSUPPORT6	r6ksupport6:w6 r's lack of children support 6-item score	Categ
7	R7KSUPPORT6	r7ksupport6:w7 r's lack of children support 6-item score	Categ
8	R8KSUPPORT6	r8ksupport6:w8 r's lack of children support 6-item score	Categ
9	R9KSUPPORT6	r9ksupport6:w9 r's lack of children support 6-item score	Categ
1	S1KSUPPORT6	s1ksupport6:w1 s's lack of children support 6-item score	Categ
2	S2KSUPPORT6	s2ksupport6:w2 s's lack of children support 6-item score	Categ
3	S3KSUPPORT6	s3ksupport6:w3 s's lack of children support 6-item score	Categ
4	S4KSUPPORT6	s4ksupport6:w4 s's lack of children support 6-item score	Categ
5	S5KSUPPORT6	s5ksupport6:w5 s's lack of children support 6-item score	Categ
6	S6KSUPPORT6	s6ksupport6:w6 s's lack of children support 6-item score	Categ
7	S7KSUPPORT6	s7ksupport6:w7 s's lack of children support 6-item score	Categ
8	S8KSUPPORT6	s8ksupport6:w8 s's lack of children support 6-item score	Categ
9	S9KSUPPORT6	s9ksupport6:w9 s's lack of children support 6-item score	Categ
1	R1KSUPPORT6M	r1ksupport6m:w1 missings in r's lack of children support 6-i	Categ
2	R2KSUPPORT6M	r2ksupport6m:w2 missings in r's lack of children support 6-i	Categ
3	R3KSUPPORT6M	r3ksupport6m:w3 missings in r's lack of children support 6-i	Categ
4	R4KSUPPORT6M	r4ksupport6m:w4 missings in r's lack of children support 6-i	Categ
5	R5KSUPPORT6M	r5ksupport6m:w5 missings in r's lack of children support 6-i	Categ
6	R6KSUPPORT6M	r6ksupport6m:w6 missings in r's lack of children support 6-i	Categ
7	R7KSUPPORT6M	r7ksupport6m:w7 missings in r's lack of children support 6-i	Categ
8	R8KSUPPORT6M	r8ksupport6m:w8 missings in r's lack of children support 6-i	Categ
9	R9KSUPPORT6M	r9ksupport6m:w9 missings in r's lack of children support 6-i	Categ
1	S1KSUPPORT6M	s1ksupport6m:w1 missings in s's lack of children support 6-i	Categ
2	S2KSUPPORT6M	s2ksupport6m:w2 missings in s's lack of children support 6-i	Categ
3	S3KSUPPORT6M	s3ksupport6m:w3 missings in s's lack of children support 6-i	Categ
4	S4KSUPPORT6M	s4ksupport6m:w4 missings in s's lack of children support 6-i	Categ
5	S5KSUPPORT6M	s5ksupport6m:w5 missings in s's lack of children support 6-i	Categ
6	S6KSUPPORT6M	s6ksupport6m:w6 missings in s's lack of children support 6-i	Categ
7	S7KSUPPORT6M	s7ksupport6m:w7 missings in s's lack of children support 6-i	Categ
8	S8KSUPPORT6M	s8ksupport6m:w8 missings in s's lack of children support 6-i	Categ
9	S9KSUPPORT6M	s9ksupport6m:w9 missings in s's lack of children support 6-i	Categ
5	R5KSUPPORT	r5ksupport:w5 r's lack of children support 7-item score	Categ
6	R6KSUPPORT	r6ksupport:w6 r's lack of children support 7-item score	Categ
7	R7KSUPPORT	r7ksupport:w7 r's lack of children support 7-item score	Categ
8	R8KSUPPORT	r8ksupport:w8 r's lack of children support 7-item score	Categ
9	R9KSUPPORT	r9ksupport:w9 r's lack of children support 7-item score	Categ
5	S5KSUPPORT	s5ksupport:w5 s's lack of children support 7-item score	Categ
6	S6KSUPPORT	s6ksupport:w6 s's lack of children support 7-item score	Categ
7	S7KSUPPORT	s7ksupport:w7 s's lack of children support 7-item score	Categ
8	S8KSUPPORT	s8ksupport:w8 s's lack of children support 7-item score	Categ
9	S9KSUPPORT	s9ksupport:w9 s's lack of children support 7-item score	Categ

5	R5KSUPPORTM	r5ksupportm:w5	missings in r's lack of children support	7-it	Categ
6	R6KSUPPORTM	r6ksupportm:w6	missings in r's lack of children support	7-it	Categ
7	R7KSUPPORTM	r7ksupportm:w7	missings in r's lack of children support	7-it	Categ
8	R8KSUPPORTM	r8ksupportm:w8	missings in r's lack of children support	7-it	Categ
9	R9KSUPPORTM	r9ksupportm:w9	missings in r's lack of children support	7-it	Categ
5	S5KSUPPORTM	s5ksupportm:w5	missings in s's lack of children support	7-it	Categ
6	S6KSUPPORTM	s6ksupportm:w6	missings in s's lack of children support	7-it	Categ
7	S7KSUPPORTM	s7ksupportm:w7	missings in s's lack of children support	7-it	Categ
8	S8KSUPPORTM	s8ksupportm:w8	missings in s's lack of children support	7-it	Categ
9	S9KSUPPORTM	s9ksupportm:w9	missings in s's lack of children support	7-it	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1KUSTDFE	9278	1.74	0.78	1.00	4.00
R2KUSTDFE	7040	1.78	0.78	1.00	4.00
R3KUSTDFE	6976	1.74	0.77	1.00	4.00
R4KUSTDFE	7879	1.82	0.80	1.00	4.00
R5KUSTDFE	7625	1.84	0.78	1.00	4.00
R6KUSTDFE	7618	1.85	0.79	1.00	4.00
R7KUSTDFE	6906	1.76	0.77	1.00	4.00
R8KUSTDFE	6115	1.84	0.80	1.00	4.00
R9KUSTDFE	6278	1.85	0.80	1.00	4.00
S1KUSTDFE	6695	1.76	0.76	1.00	4.00
S2KUSTDFE	5045	1.79	0.76	1.00	4.00
S3KUSTDFE	4977	1.76	0.75	1.00	4.00
S4KUSTDFE	5753	1.82	0.78	1.00	4.00
S5KUSTDFE	5485	1.86	0.77	1.00	4.00
S6KUSTDFE	5512	1.86	0.77	1.00	4.00
S7KUSTDFE	4954	1.77	0.75	1.00	4.00
S8KUSTDFE	4315	1.84	0.78	1.00	4.00
S9KUSTDFE	4350	1.85	0.77	1.00	4.00
R1KRELY	9310	1.36	0.73	1.00	4.00
R2KRELY	7075	1.34	0.70	1.00	4.00
R3KRELY	6995	1.33	0.69	1.00	4.00
R4KRELY	7894	1.40	0.75	1.00	4.00
R5KRELY	7638	1.43	0.77	1.00	4.00
R6KRELY	7638	1.43	0.77	1.00	4.00
R7KRELY	6924	1.36	0.71	1.00	4.00
R8KRELY	6124	1.42	0.77	1.00	4.00
R9KRELY	6282	1.45	0.78	1.00	4.00
S1KRELY	6709	1.36	0.71	1.00	4.00
S2KRELY	5064	1.34	0.69	1.00	4.00
S3KRELY	4988	1.34	0.69	1.00	4.00
S4KRELY	5757	1.39	0.74	1.00	4.00
S5KRELY	5488	1.44	0.76	1.00	4.00
S6KRELY	5517	1.43	0.76	1.00	4.00
S7KRELY	4966	1.37	0.70	1.00	4.00
S8KRELY	4320	1.42	0.75	1.00	4.00
S9KRELY	4352	1.44	0.76	1.00	4.00
R1KOPENUP	9284	1.72	0.87	1.00	4.00
R2KOPENUP	7054	1.73	0.86	1.00	4.00
R3KOPENUP	6990	1.70	0.85	1.00	4.00
R4KOPENUP	7883	1.79	0.88	1.00	4.00
R5KOPENUP	7627	1.83	0.88	1.00	4.00
R6KOPENUP	7625	1.87	0.90	1.00	4.00



R7KOPENUP	6911	1.78	0.86	1.00	4.00
R8KOPENUP	6117	1.85	0.90	1.00	4.00
R9KOPENUP	6271	1.88	0.90	1.00	4.00
S1KOPENUP	6692	1.75	0.86	1.00	4.00
S2KOPENUP	5051	1.74	0.85	1.00	4.00
S3KOPENUP	4988	1.73	0.85	1.00	4.00
S4KOPENUP	5753	1.81	0.87	1.00	4.00
S5KOPENUP	5484	1.85	0.88	1.00	4.00
S6KOPENUP	5507	1.90	0.89	1.00	4.00
S7KOPENUP	4961	1.81	0.86	1.00	4.00
S8KOPENUP	4313	1.87	0.88	1.00	4.00
S9KOPENUP	4350	1.90	0.89	1.00	4.00
R5KDEMAND	7609	3.30	0.87	1.00	4.00
R6KDEMAND	7619	3.31	0.86	1.00	4.00
R7KDEMAND	6902	3.34	0.84	1.00	4.00
R8KDEMAND	6117	3.36	0.83	1.00	4.00
R9KDEMAND	6278	3.36	0.84	1.00	4.00
S5KDEMAND	5464	3.26	0.86	1.00	4.00
S6KDEMAND	5511	3.27	0.86	1.00	4.00
S7KDEMAND	4954	3.30	0.84	1.00	4.00
S8KDEMAND	4313	3.33	0.83	1.00	4.00
S9KDEMAND	4349	3.32	0.84	1.00	4.00
R1KCRITZE	9225	3.11	0.82	1.00	4.00
R2KCRITZE	7009	3.10	0.81	1.00	4.00
R3KCRITZE	6960	3.07	0.82	1.00	4.00
R4KCRITZE	7848	3.09	0.81	1.00	4.00
R5KCRITZE	7590	3.05	0.83	1.00	4.00
R6KCRITZE	7594	3.12	0.82	1.00	4.00
R7KCRITZE	6870	3.12	0.82	1.00	4.00
R8KCRITZE	6075	3.12	0.82	1.00	4.00
R9KCRITZE	6227	3.13	0.82	1.00	4.00
S1KCRITZE	6658	3.11	0.80	1.00	4.00
S2KCRITZE	5024	3.09	0.80	1.00	4.00
S3KCRITZE	4972	3.07	0.81	1.00	4.00
S4KCRITZE	5728	3.10	0.80	1.00	4.00
S5KCRITZE	5459	3.09	0.81	1.00	4.00
S6KCRITZE	5494	3.12	0.81	1.00	4.00
S7KCRITZE	4935	3.14	0.81	1.00	4.00
S8KCRITZE	4298	3.14	0.80	1.00	4.00
S9KCRITZE	4324	3.15	0.79	1.00	4.00
R1KLETDOW	9260	3.48	0.79	1.00	4.00
R2KLETDOW	7034	3.49	0.78	1.00	4.00
R3KLETDOW	6977	3.44	0.82	1.00	4.00
R4KLETDOW	7861	3.46	0.80	1.00	4.00
R5KLETDOW	7607	3.44	0.81	1.00	4.00
R6KLETDOW	7602	3.47	0.79	1.00	4.00
R7KLETDOW	6887	3.46	0.80	1.00	4.00
R8KLETDOW	6100	3.47	0.79	1.00	4.00
R9KLETDOW	6250	3.49	0.77	1.00	4.00
S1KLETDOW	6674	3.48	0.78	1.00	4.00
S2KLETDOW	5038	3.49	0.77	1.00	4.00
S3KLETDOW	4982	3.45	0.81	1.00	4.00
S4KLETDOW	5738	3.47	0.78	1.00	4.00
S5KLETDOW	5468	3.44	0.80	1.00	4.00
S6KLETDOW	5501	3.47	0.78	1.00	4.00
S7KLETDOW	4947	3.47	0.78	1.00	4.00

S8KLETDOW	4304	3.48	0.78	1.00	4.00
S9KLETDOW	4334	3.49	0.76	1.00	4.00
R1KGETNEV	9279	3.43	0.73	1.00	4.00
R2KGETNEV	7047	3.42	0.71	1.00	4.00
R3KGETNEV	6980	3.42	0.73	1.00	4.00
R4KGETNEV	7876	3.41	0.72	1.00	4.00
R5KGETNEV	7622	3.39	0.73	1.00	4.00
R6KGETNEV	7622	3.39	0.73	1.00	4.00
R7KGETNEV	6899	3.40	0.73	1.00	4.00
R8KGETNEV	6106	3.40	0.72	1.00	4.00
R9KGETNEV	6267	3.40	0.72	1.00	4.00
S1KGETNEV	6695	3.40	0.72	1.00	4.00
S2KGETNEV	5050	3.40	0.70	1.00	4.00
S3KGETNEV	4984	3.39	0.72	1.00	4.00
S4KGETNEV	5744	3.38	0.72	1.00	4.00
S5KGETNEV	5479	3.38	0.72	1.00	4.00
S6KGETNEV	5514	3.37	0.72	1.00	4.00
S7KGETNEV	4954	3.39	0.71	1.00	4.00
S8KGETNEV	4308	3.39	0.71	1.00	4.00
S9KGETNEV	4343	3.38	0.71	1.00	4.00
R1KSUPPORT6	9335	1.63	0.52	1.00	4.00
R2KSUPPORT6	7097	1.64	0.52	1.00	4.00
R3KSUPPORT6	7012	1.64	0.52	1.00	4.00
R4KSUPPORT6	7912	1.68	0.54	1.00	4.00
R5KSUPPORT6	7651	1.70	0.53	1.00	4.00
R6KSUPPORT6	6772	1.68	0.54	1.00	4.00
R7KSUPPORT6	6040	1.64	0.52	1.00	4.00
R8KSUPPORT6	5360	1.68	0.54	1.00	4.00
R9KSUPPORT6	5373	1.68	0.53	1.00	4.00
S1KSUPPORT6	6731	1.65	0.51	1.00	4.00
S2KSUPPORT6	5078	1.65	0.50	1.00	4.00
S3KSUPPORT6	4997	1.65	0.51	1.00	4.00
S4KSUPPORT6	5771	1.68	0.53	1.00	4.00
S5KSUPPORT6	5496	1.71	0.52	1.00	4.00
S6KSUPPORT6	4674	1.68	0.53	1.00	4.00
S7KSUPPORT6	4127	1.64	0.51	1.00	4.00
S8KSUPPORT6	3579	1.67	0.51	1.00	4.00
S9KSUPPORT6	3477	1.67	0.51	1.00	4.00
R1KSUPPORT6M	12099	1.40	2.51	0.00	6.00
R2KSUPPORT6M	9432	1.52	2.59	0.00	6.00
R3KSUPPORT6M	9766	1.71	2.70	0.00	6.00
R4KSUPPORT6M	11050	1.72	2.70	0.00	6.00
R5KSUPPORT6M	10274	1.55	2.61	0.00	6.00
R6KSUPPORT6M	10601	1.69	2.68	0.00	6.00
R7KSUPPORT6M	9666	1.72	2.70	0.00	6.00
R8KSUPPORT6M	8445	1.66	2.67	0.00	6.00
R9KSUPPORT6M	8736	1.70	2.69	0.00	6.00
S1KSUPPORT6M	8070	1.03	2.23	0.00	6.00
S2KSUPPORT6M	6178	1.10	2.30	0.00	6.00
S3KSUPPORT6M	6382	1.32	2.47	0.00	6.00
S4KSUPPORT6M	7402	1.34	2.49	0.00	6.00
S5KSUPPORT6M	6964	1.28	2.45	0.00	6.00
S6KSUPPORT6M	7242	1.44	2.55	0.00	6.00
S7KSUPPORT6M	6560	1.47	2.57	0.00	6.00
S8KSUPPORT6M	5688	1.45	2.56	0.00	6.00
S9KSUPPORT6M	5820	1.52	2.60	0.00	6.00

R5KSUPPORT	7651	1.70	0.52	1.00	4.00
R6KSUPPORT	6773	1.68	0.53	1.00	4.00
R7KSUPPORT	6040	1.64	0.51	1.00	4.00
R8KSUPPORT	5360	1.67	0.52	1.00	4.00
R9KSUPPORT	5375	1.67	0.52	1.00	4.00
S5KSUPPORT	5496	1.71	0.51	1.00	4.00
S6KSUPPORT	4675	1.69	0.52	1.00	4.00
S7KSUPPORT	4127	1.64	0.50	1.00	4.00
S8KSUPPORT	3579	1.67	0.50	1.00	3.86
S9KSUPPORT	3478	1.67	0.50	1.00	4.00
R5KSUPPORTM	10274	1.81	3.05	0.00	7.00
R6KSUPPORTM	10601	1.97	3.13	0.00	7.00
R7KSUPPORTM	9666	2.00	3.15	0.00	7.00
R8KSUPPORTM	8445	1.94	3.11	0.00	7.00
R9KSUPPORTM	8736	1.98	3.13	0.00	7.00
S5KSUPPORTM	6964	1.50	2.85	0.00	7.00
S6KSUPPORTM	7242	1.68	2.97	0.00	7.00
S7KSUPPORTM	6560	1.71	3.00	0.00	7.00
S8KSUPPORTM	5688	1.70	2.99	0.00	7.00
S9KSUPPORTM	5820	1.78	3.03	0.00	7.00

### Categorical Variable Codes

Value-----	R1KUSTDFE	R2KUSTDFE	R3KUSTDFE	R4KUSTDFE	R5KUSTDFE
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	259	286	172	205	181
.n:no children	1454	1034	1091	1258	1224
1.a lot	4027	2882	2989	3098	2767
2.some	3867	3040	2976	3389	3540
3.a little	1117	911	816	1116	1056
4.not at all	267	207	195	276	262

Value-----	R6KUSTDFE	R7KUSTDFE	R8KUSTDFE	R9KUSTDFE
.c:not in self-completion m	1616	1487	1230	1247
.m:Missing	108	115	69	31
.n:no children	1259	1158	1031	1117
.r:Refuse				63
1.a lot	2806	2841	2300	2332
2.some	3422	3082	2720	2808
3.a little	1131	772	860	914
4.not at all	259	211	235	224

Value-----	S1KUSTDFE	S2KUSTDFE	S3KUSTDFE	S4KUSTDFE	S5KUSTDFE
.c:not in self-completion m	530	452	769	890	751
.m:Missing	158	185	91	119	110
.n:no children	687	496	547	640	618
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	2732	1968	2036	2178	1900
2.some	2976	2302	2236	2612	2652
3.a little	829	652	582	786	757
4.not at all	158	123	123	177	176

Value-----	S6KUSTDFE	S7KUSTDFE	S8KUSTDFE	S9KUSTDFE
.c:not in self-completion m	1010	920	768	802
.m:Missing	50	64	38	16
.n:no children	670	622	567	619
.r:Refuse				33
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.a lot	1926	1942	1573	1544
2.some	2592	2335	1994	2063
3.a little	842	544	613	615

4.not at all	152	133	135	128	
Value-----	R1KRELY	R2KRELY	R3KRELY	R4KRELY	R5KRELY
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	227	251	153	190	168
.n:no children	1454	1034	1091	1258	1224
1.a lot	7104	5433	5436	5802	5415
2.some	1363	1044	996	1293	1408
3.a little	575	421	397	555	567
4.not at all	268	177	166	244	248
Value-----	R6KRELY	R7KRELY	R8KRELY	R9KRELY	
.c:not in self-completion m	1621	1488	1231	1248	
.m:Missing	83	96	59	31	
.n:no children	1259	1158	1031	1117	
.r:Refuse				58	
1.a lot	5419	5215	4386	4401	
2.some	1383	1112	1085	1181	
3.a little	579	425	449	471	
4.not at all	257	172	204	229	
Value-----	S1KRELY	S2KRELY	S3KRELY	S4KRELY	S5KRELY
.c:not in self-completion m	530	452	769	890	751
.m:Missing	144	166	80	115	107
.n:no children	687	496	547	640	618
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	5056	3866	3820	4215	3817
2.some	1067	790	766	987	1087
3.a little	426	291	288	395	415
4.not at all	160	117	114	160	169
Value-----	S6KRELY	S7KRELY	S8KRELY	S9KRELY	
.c:not in self-completion m	1015	921	768	803	
.m:Missing	40	51	33	16	
.n:no children	670	622	567	619	
.r:Refuse				30	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	3872	3681	3058	3026	
2.some	1055	853	829	873	
3.a little	426	323	307	318	
4.not at all	164	109	126	135	
Value-----	R1KOPENUP	R2KOPENUP	R3KOPENUP	R4KOPENUP	R5KOPENUP
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	253	272	158	201	179
.n:no children	1454	1034	1091	1258	1224
1.a lot	4704	3521	3549	3646	3337
2.some	2909	2272	2260	2642	2661
3.a little	1216	931	888	1202	1220
4.not at all	455	330	293	393	409
Value-----	R6KOPENUP	R7KOPENUP	R8KOPENUP	R9KOPENUP	
.c:not in self-completion m	1621	1488	1230	1246	
.m:Missing	96	109	67	31	
.n:no children	1259	1158	1031	1117	
.r:Refuse				71	
1.a lot	3157	3153	2609	2563	
2.some	2752	2417	2183	2269	
3.a little	1251	1017	953	1055	
4.not at all	465	324	372	384	
Value-----	S1KOPENUP	S2KOPENUP	S3KOPENUP	S4KOPENUP	S5KOPENUP
.c:not in self-completion m	530	452	769	890	751
.m:Missing	161	179	80	119	111
.n:no children	687	496	547	640	618
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	3207	2442	2424	2573	2282
2.some	2245	1705	1686	1995	2002

3.a little	929	688	669	911	916
4.not at all	311	216	209	274	284

Value-----	S6KOPENUP	S7KOPENUP	S8KOPENUP	S9KOPENUP	
.c:not in self-completion m	1014	921	768	801	
.m:Missing	51	56	40	16	
.n:no children	670	622	567	619	
.r:Refuse				34	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	2175	2149	1755	1706	
2.some	2040	1824	1619	1625	
3.a little	970	764	701	764	
4.not at all	322	224	238	255	

Value-----					R5KDEMAND
.c:not in self-completion m					1244
.m:Missing					197
.n:no children					1224
1.a lot					305
2.some					1135
3.a little					2130
4.not at all					4039

Value-----	R6KDEMAND	R7KDEMAND	R8KDEMAND	R9KDEMAND	
.c:not in self-completion m	1620	1487	1231	1247	
.m:Missing	103	119	66	31	
.n:no children	1259	1158	1031	1117	
.r:Refuse				63	
1.a lot	300	224	190	219	
2.some	1096	975	815	834	
3.a little	2157	1963	1691	1717	
4.not at all	4066	3740	3421	3508	

Value-----					S5KDEMAND
.c:not in self-completion m					751
.m:Missing					131
.n:no children					618
.u:Unmar					2742
.v:SP NR					568
1.a lot					206
2.some					887
3.a little					1629
4.not at all					2742

Value-----	S6KDEMAND	S7KDEMAND	S8KDEMAND	S9KDEMAND	
.c:not in self-completion m	1013	920	769	801	
.m:Missing	48	64	39	16	
.n:no children	670	622	567	619	
.r:Refuse				35	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	220	167	132	153	
2.some	859	732	606	621	
3.a little	1665	1489	1285	1278	
4.not at all	2767	2566	2290	2297	

Value-----	R1KCRITZE	R2KCRITZE	R3KCRITZE	R4KCRITZE	R5KCRITZE
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	312	317	188	236	216
.n:no children	1454	1034	1091	1258	1224
1.a lot	288	207	207	224	252
2.some	1781	1374	1521	1606	1669
3.a little	3772	2962	2832	3269	3091
4.not at all	3384	2466	2400	2749	2578

Value-----	R6KCRITZE	R7KCRITZE	R8KCRITZE	R9KCRITZE	
.c:not in self-completion m	1620	1492	1231	1254	
.m:Missing	128	146	108	31	
.n:no children	1259	1158	1031	1117	
.r:Refuse				107	

1.a lot	230	185	167	182	
2.some	1491	1410	1207	1185	
3.a little	3013	2677	2433	2522	
4.not at all	2860	2598	2268	2338	
Value-----	S1KCRITZE	S2KCRITZE	S3KCRITZE	S4KCRITZE	S5KCRITZE
.c:not in self-completion m	530	452	769	890	751
.m:Missing	195	206	96	144	136
.n:no children	687	496	547	640	618
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	175	128	132	135	150
2.some	1293	997	1095	1162	1137
3.a little	2798	2184	2055	2439	2267
4.not at all	2392	1715	1690	1992	1905
Value-----	S6KCRITZE	S7KCRITZE	S8KCRITZE	S9KCRITZE	
.c:not in self-completion m	1014	925	769	808	
.m:Missing	64	78	54	16	
.n:no children	670	622	567	619	
.r:Refuse				53	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	154	116	95	101	
2.some	1074	966	828	785	
3.a little	2231	1986	1760	1797	
4.not at all	2035	1867	1615	1641	
Value-----	R1KLETDOW	R2KLETDOW	R3KLETDOW	R4KLETDOW	R5KLETDOW
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	277	292	171	223	199
.n:no children	1454	1034	1091	1258	1224
1.a lot	282	188	241	221	237
2.some	922	722	779	871	876
3.a little	2122	1586	1611	1830	1825
4.not at all	5934	4538	4346	4939	4669
Value-----	R6KLETDOW	R7KLETDOW	R8KLETDOW	R9KLETDOW	
.c:not in self-completion m	1619	1490	1232	1250	
.m:Missing	121	131	82	31	
.n:no children	1259	1158	1031	1117	
.r:Refuse				88	
1.a lot	204	188	169	137	
2.some	817	759	650	656	
3.a little	1762	1614	1399	1482	
4.not at all	4819	4326	3882	3975	
Value-----	S1KLETDOW	S2KLETDOW	S3KLETDOW	S4KLETDOW	S5KLETDOW
.c:not in self-completion m	530	452	769	890	751
.m:Missing	179	192	86	134	127
.n:no children	687	496	547	640	618
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	171	118	151	133	148
2.some	686	514	547	650	616
3.a little	1592	1176	1186	1367	1369
4.not at all	4225	3230	3098	3588	3335
Value-----	S6KLETDOW	S7KLETDOW	S8KLETDOW	S9KLETDOW	
.c:not in self-completion m	1013	923	770	804	
.m:Missing	58	68	47	16	
.n:no children	670	622	567	619	
.r:Refuse				47	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	131	119	110	86	
2.some	600	521	444	446	
3.a little	1301	1204	1035	1075	
4.not at all	3469	3103	2715	2727	
Value-----	R1KGETNEV	R2KGETNEV	R3KGETNEV	R4KGETNEV	R5KGETNEV

.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	258	279	168	208	184
.n:no children	1454	1034	1091	1258	1224
1.a lot	162	106	97	115	120
2.some	839	621	698	764	777
3.a little	3135	2527	2391	2810	2706
4.not at all	5143	3793	3794	4187	4019
Value-----	R6KGETNEV	R7KGETNEV	R8KGETNEV	R9KGETNEV	
.c:not in self-completion m	1618	1489	1232	1249	
.m:Missing	102	120	76	31	
.n:no children	1259	1158	1031	1117	
.r:Refuse				72	
1.a lot	120	103	84	87	
2.some	758	677	587	609	
3.a little	2776	2470	2215	2295	
4.not at all	3968	3649	3220	3276	
Value-----	S1KGETNEV	S2KGETNEV	S3KGETNEV	S4KGETNEV	S5KGETNEV
.c:not in self-completion m	530	452	769	890	751
.m:Missing	158	180	84	128	116
.n:no children	687	496	547	640	618
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	96	52	57	73	78
2.some	630	460	521	579	555
3.a little	2470	1960	1840	2173	2048
4.not at all	3499	2578	2566	2919	2798
Value-----	S6KGETNEV	S7KGETNEV	S8KGETNEV	S9KGETNEV	
.c:not in self-completion m	1012	922	770	803	
.m:Missing	46	62	43	16	
.n:no children	670	622	567	619	
.r:Refuse				39	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	79	64	57	53	
2.some	565	464	407	421	
3.a little	2122	1901	1649	1703	
4.not at all	2748	2525	2195	2166	

## How Constructed

RwKUSTDFE indicates how much the respondent feels their children really understand the way they feel about things.

RwKRELY indicates how much the respondent feels they can rely on their children if they have a serious problem.

RwKOPENUP indicates how much the respondent feels they can open up to their children when they need to talk about their worries.

RwKDEMAND indicates how often the respondent feels their children make too many demands on them.

RwKCRITZE indicates how much the respondent feels their children criticize them.

RwKLETDOW indicates how much the respondent feels their children let them down when they are counting on them.

RwKGETNEV indicates how much the respondent feels their children get on their nerves.

RwKUSTDFE, RwKRELY, RwKOPENUP, RwKDEMAND, RwKCRITZE, RwKLETDOW and RwKGETNEV are coded as follows: 1. a lot, 2. some, 3. a little and 4. not at all. Special missing .n is assigned if the respondent indicates they did not have any children. Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Special missing .m is assigned if their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwKUSTDFE, SwKRELY, SwKOPENUP, SwKDEMAND, SwKCRITZE, SwKLETDOW and SwKGETNEV indicate the current wave's spouse's feelings about statements about their children and are taken from the spouse's values to SwKUSTDFE, SwKRELY, SwKOPENUP, SwKDEMAND, SwKCRITZE, SwKLETDOW and SwKGETNEV. In addition to the special missing codes used in SwKUSTDFE, SwKRELY, SwKOPENUP, SwKDEMAND, SwKCRITZE, SwKLETDOW and SwKGETNEV, SwKUSTDFE, SwKRELY, SwKOPENUP, SwKDEMAND, SwKCRITZE, SwKLETDOW and SwKGETNEV employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwKSUPPORT6 indicates the mean of the six different children questions (RwKUSTDFE, SwKRELY, SwKOPENUP, SwKCRITZE, SwKLETDOW and SwKGETNEV) and can be used as a summary score. RwKSUPPORT6 is calculated for any respondent with at least one non-missing value for its six components. Since RwKSUPPORT6 indicates how much the respondent feels a lack of support from their children, we reverse coded the values of SwKCRITZE, SwKLETDOW and SwKGETNEV to make sure that higher scores indicate less support that the respondent feels from their children. The coding of SwKUSTDFE, SwKRELY and SwKOPENUP did not change. RwKSUPPORT6M counts the number of components with missing values in RwKSUPPORT6, which could be between no missing components (0) and six missing components (6). Special missing .n is assigned if the respondent has no children. Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Special missing .m is assigned if their responses for all 6 components are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwKSUPPORT6 and SwKSUPPORT6M indicate the mean summary score of six different children support questions and the count of any missing components for the current wave's spouse and are taken from the spouse's values to RwKSUPPORT6 and RwKSUPPORT6M. In addition to the special missing codes used in RwKSUPPORT6 and RwKSUPPORT6M, SwKSUPPORT6 and SwKSUPPORT6M employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwKSUPPORT indicates the mean of the seven different children questions (RwKUSTDFE, SwKRELY, SwKOPENUP, SwKDEMAND, SwKCRITZE, SwKLETDOW and SwKGETNEV) and can be used as a summary score. RwKSUPPORT is calculated for any respondent with at least one non-missing value for its seven components. Since RwKSUPPORT indicates how much the respondent feels a lack of support from their children, we reverse coded the values of SwKDEMAND, SwKCRITZE, SwKLETDOW and SwKGETNEV to make sure that higher scores indicate less support that the respondent feels from their children. The coding of SwKUSTDFE, SwKRELY and SwKOPENUP did not change. RwKSUPPORTM counts the number of components with missing values in RwKSUPPORT, which could be between no missing components (0) and seven missing components (7). Special missing .n is assigned if the respondent has no children. Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Special missing .m is assigned if their responses for all 7 components are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwKSUPPORT and SwKSUPPORTM indicate the mean summary score of seven different children support questions and the count of any missing components for the current wave's spouse and are taken from the spouse's values to RwKSUPPORT and RwKSUPPORTM. In addition to the special missing codes used in RwKSUPPORT and RwKSUPPORTM, SwKSUPPORT and SwKSUPPORTM employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## **Cross Wave Differences in ELSA**

ELSA starts to ask the respondent about how often they feel their children make too many demands on them in Wave 5; therefore, RwKSUPPORT becomes available in Wave 5.

## **Differences with the RAND HRS/Harmonized HRS**

No differences known.



**ELSA Variables Used**

## Index File:

OUTSCW1 wave 1 self-completion outcome  
 OUTSCW2 wave 2 self-completion outcome  
 OUTSCW3 wave 3 core self-completion outcome  
 OUTSCW4 outcome of wave 4 core self completion questionnaire  
 OUTSCW5 outcome of core wave 5 self-completion questionnaire

## Wave 1 Core:

SCCHD do you have any children  
 SCCHDA how much do your children really understand the way you  
 SCCHDB how much can you rely on your children if you have a se  
 SCCHDC how much can you open up to your children if you need to  
 SCCHDD how much do your children criticise you?  
 SCCHDE how much do your children let you down when you are cou  
 SCCHDF how much do your children get on your nerves?

## Wave 2 Core:

SCCHD Whether the respondent has any children  
 SCCHDA How much the children understand the way the respondent  
 SCCHDB How much the respondent can rely on their children if th  
 SCCHDC How much the respondent can open up to their children ab  
 SCCHDD How much their children criticises the respondent  
 SCCHDE How much their children lets the respondent down when th  
 SCCHDF How much the children get on the nerves of the responde

## Wave 3 Core:

SCCHD whether the respondent has any children  
 SCCHDA how much the children understand the way the respondent  
 SCCHDB how much the respondent can rely on their children if th  
 SCCHDC how much the respondent can open up to their children ab  
 SCCHDD how much their children criticises the respondent  
 SCCHDE how much their children lets the respondent down when th  
 SCCHDF how much the children get on the nerves of the responde

## Wave 4 Core:

SCCHD whether the respondent has any children  
 SCCHDA how much the children understand the way the respondent  
 SCCHDB how much the respondent can rely on their children if th  
 SCCHDC how much the respondent can open up to their children ab  
 SCCHDD how much their children criticises the respondent  
 SCCHDE how much their children lets the respondent down when th  
 SCCHDF how much the children get on the nerves of the responde

## Wave 5 Core:

SCCHD Whether the respondent has any children  
 SCCHDA How much the children understand the way the respondent  
 SCCHDB How much the respondent can rely on their children if th  
 SCCHDC How much the respondent can open up to their children ab  
 SCCHDD How much their children criticises the respondent  
 SCCHDE How much their children lets the respondent down when th  
 SCCHDF How much the children get on the nerves of the responde

## Wave 6 Core:

Q21G how often the respondent's children make toom any demand  
 SCCHD whether the respondent has any children  
 SCCHDA how much the children understand the way the respondent  
 SCCHDB how much the respondent can rely on their children if th  
 SCCHDC how much the respondent can open up to their children ab  
 SCCHDD how much their children criticises the respondent  
 SCCHDE how much their children lets the respondent down when th  
 SCCHDF how much the children get on the nerves of the responde

## Wave 7 Core:

SCCHD whether the respondent has any children  
 SCCHDA how much the children understand the way the respondent  
 SCCHDB how much the respondent can rely on their children if th  
 SCCHDC how much the respondent can open up to their children ab  
 SCCHDD how much their children criticises the respondent

SCCHDE how much their children lets the respondent down when th  
SCCHDF how much the children get on the nerves of the responde  
SCCHDG how often the children make demands on the respondent

## Wave 8 Core:

SCCHD whether the respondent has any children  
SCCHDA how much respondent's children understand the way they f  
SCCHDB how much respondent can rely on their children if they h  
SCCHDC how much respondent can open up to their children if the  
SCCHDD how much their children criticise the respondent  
SCCHDE how much their children let the respondent down  
SCCHDF how much their children get on the respondent's nerves  
SCCHDG how often their children make demands on the respondent

## Wave 9 Core:

SCCHD Whether the respondent has any children  
SCCHDA How much respondent's children understand the way they f  
SCCHDB How much respondent can rely on their children if they h  
SCCHDC How much respondent can open up to their children if the  
SCCHDD How much their children criticise the respondent  
SCCHDE How much their children let the respondent down  
SCCHDF How much their children get on the respondent's nerves  
SCCHDG How often their children make demands on the respondent

<b>Social Support: Other Family Members</b>
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Wave	Variable	Label	Type
1	R1OUSTDFE	r1oustdfe:w1 r thinks other family members understand the wa	Categ
2	R2OUSTDFE	r2oustdfe:w2 r thinks other family members understand the wa	Categ
3	R3OUSTDFE	r3oustdfe:w3 r thinks other family members understand the wa	Categ
4	R4OUSTDFE	r4oustdfe:w4 r thinks other family members understand the wa	Categ
5	R5OUSTDFE	r5oustdfe:w5 r thinks other family members understand the wa	Categ
6	R6OUSTDFE	r6oustdfe:w6 r thinks other family members understand the wa	Categ
7	R7OUSTDFE	r7oustdfe:w7 r thinks other family members understand the wa	Categ
8	R8OUSTDFE	r8oustdfe:w8 r thinks other family members understand the wa	Categ
9	R9OUSTDFE	r9oustdfe:w9 r thinks other family members understand the wa	Categ
1	S1OUSTDFE	s1oustdfe:w1 s thinks other family members understand the wa	Categ
2	S2OUSTDFE	s2oustdfe:w2 s thinks other family members understand the wa	Categ
3	S3OUSTDFE	s3oustdfe:w3 s thinks other family members understand the wa	Categ
4	S4OUSTDFE	s4oustdfe:w4 s thinks other family members understand the wa	Categ
5	S5OUSTDFE	s5oustdfe:w5 s thinks other family members understand the wa	Categ
6	S6OUSTDFE	s6oustdfe:w6 s thinks other family members understand the wa	Categ
7	S7OUSTDFE	s7oustdfe:w7 s thinks other family members understand the wa	Categ
8	S8OUSTDFE	s8oustdfe:w8 s thinks other family members understand the wa	Categ
9	S9OUSTDFE	s9oustdfe:w9 s thinks other family members understand the wa	Categ
1	R1ORELY	r1orely:w1 r can rely on other family members for a serious	Categ
2	R2ORELY	r2orely:w2 r can rely on other family members for a serious	Categ
3	R3ORELY	r3orely:w3 r can rely on other family members for a serious	Categ
4	R4ORELY	r4orely:w4 r can rely on other family members for a serious	Categ
5	R5ORELY	r5orely:w5 r can rely on other family members for a serious	Categ
6	R6ORELY	r6orely:w6 r can rely on other family members for a serious	Categ
7	R7ORELY	r7orely:w7 r can rely on other family members for a serious	Categ
8	R8ORELY	r8orely:w8 r can rely on other family members for a serious	Categ
9	R9ORELY	r9orely:w9 r can rely on other family members for a serious	Categ
1	S1ORELY	s1orely:w1 s can rely on other family members for a serious	Categ
2	S2ORELY	s2orely:w2 s can rely on other family members for a serious	Categ
3	S3ORELY	s3orely:w3 s can rely on other family members for a serious	Categ
4	S4ORELY	s4orely:w4 s can rely on other family members for a serious	Categ
5	S5ORELY	s5orely:w5 s can rely on other family members for a serious	Categ
6	S6ORELY	s6orely:w6 s can rely on other family members for a serious	Categ
7	S7ORELY	s7orely:w7 s can rely on other family members for a serious	Categ
8	S8ORELY	s8orely:w8 s can rely on other family members for a serious	Categ
9	S9ORELY	s9orely:w9 s can rely on other family members for a serious	Categ
1	R1OOPENUP	r1oopenu:w1 r can open up their worries to other family mem	Categ
2	R2OOPENUP	r2oopenu:w2 r can open up their worries to other family mem	Categ
3	R3OOPENUP	r3oopenu:w3 r can open up their worries to other family mem	Categ
4	R4OOPENUP	r4oopenu:w4 r can open up their worries to other family mem	Categ
5	R5OOPENUP	r5oopenu:w5 r can open up their worries to other family mem	Categ
6	R6OOPENUP	r6oopenu:w6 r can open up their worries to other family mem	Categ
7	R7OOPENUP	r7oopenu:w7 r can open up their worries to other family mem	Categ
8	R8OOPENUP	r8oopenu:w8 r can open up their worries to other family mem	Categ
9	R9OOPENUP	r9oopenu:w9 r can open up their worries to other family mem	Categ
1	S1OOPENUP	s1oopenu:w1 s can open up their worries to other family mem	Categ
2	S2OOPENUP	s2oopenu:w2 s can open up their worries to other family mem	Categ
3	S3OOPENUP	s3oopenu:w3 s can open up their worries to other family mem	Categ
4	S4OOPENUP	s4oopenu:w4 s can open up their worries to other family mem	Categ
5	S5OOPENUP	s5oopenu:w5 s can open up their worries to other family mem	Categ
6	S6OOPENUP	s6oopenu:w6 s can open up their worries to other family mem	Categ
7	S7OOPENUP	s7oopenu:w7 s can open up their worries to other family mem	Categ

8	S8OOPENUP	s8oopenup:w8	s	can	open	up	their	worries	to	other	family	mem	Categ
9	S9OOPENUP	s9oopenup:w9	s	can	open	up	their	worries	to	other	family	mem	Categ
5	R5ODEMAND	r5odemand:w5	other	family	members	put	too	many	demands	on	r	Categ	
6	R6ODEMAND	r6odemand:w6	other	family	members	put	too	many	demands	on	r	Categ	
7	R7ODEMAND	r7odemand:w7	other	family	members	put	too	many	demands	on	r	Categ	
8	R8ODEMAND	r8odemand:w8	other	family	members	put	too	many	demands	on	r	Categ	
9	R9ODEMAND	r9odemand:w9	other	family	members	put	too	many	demands	on	r	Categ	
5	S5ODEMAND	s5odemand:w5	other	family	members	put	too	many	demands	on	s	Categ	
6	S6ODEMAND	s6odemand:w6	other	family	members	put	too	many	demands	on	s	Categ	
7	S7ODEMAND	s7odemand:w7	other	family	members	put	too	many	demands	on	s	Categ	
8	S8ODEMAND	s8odemand:w8	other	family	members	put	too	many	demands	on	s	Categ	
9	S9ODEMAND	s9odemand:w9	other	family	members	put	too	many	demands	on	s	Categ	
1	R1OCRITZE	r1ocritze:w1	how	much	other	family	members	criticize	r		Categ		
2	R2OCRITZE	r2ocritze:w2	how	much	other	family	members	criticize	r		Categ		
3	R3OCRITZE	r3ocritze:w3	how	much	other	family	members	criticize	r		Categ		
4	R4OCRITZE	r4ocritze:w4	how	much	other	family	members	criticize	r		Categ		
5	R5OCRITZE	r5ocritze:w5	how	much	other	family	members	criticize	r		Categ		
6	R6OCRITZE	r6ocritze:w6	how	much	other	family	members	criticize	r		Categ		
7	R7OCRITZE	r7ocritze:w7	how	much	other	family	members	criticize	r		Categ		
8	R8OCRITZE	r8ocritze:w8	how	much	other	family	members	criticize	r		Categ		
9	R9OCRITZE	r9ocritze:w9	how	much	other	family	members	criticize	r		Categ		
1	S1OCRITZE	s1ocritze:w1	how	much	other	family	members	criticize	s		Categ		
2	S2OCRITZE	s2ocritze:w2	how	much	other	family	members	criticize	s		Categ		
3	S3OCRITZE	s3ocritze:w3	how	much	other	family	members	criticize	s		Categ		
4	S4OCRITZE	s4ocritze:w4	how	much	other	family	members	criticize	s		Categ		
5	S5OCRITZE	s5ocritze:w5	how	much	other	family	members	criticize	s		Categ		
6	S6OCRITZE	s6ocritze:w6	how	much	other	family	members	criticize	s		Categ		
7	S7OCRITZE	s7ocritze:w7	how	much	other	family	members	criticize	s		Categ		
8	S8OCRITZE	s8ocritze:w8	how	much	other	family	members	criticize	s		Categ		
9	S9OCRITZE	s9ocritze:w9	how	much	other	family	members	criticize	s		Categ		
1	R1OLETDOW	r1oletdow:w1	other	family	members	let	r	down	when	counting	o	Categ	
2	R2OLETDOW	r2oletdow:w2	other	family	members	let	r	down	when	counting	o	Categ	
3	R3OLETDOW	r3oletdow:w3	other	family	members	let	r	down	when	counting	o	Categ	
4	R4OLETDOW	r4oletdow:w4	other	family	members	let	r	down	when	counting	o	Categ	
5	R5OLETDOW	r5oletdow:w5	other	family	members	let	r	down	when	counting	o	Categ	
6	R6OLETDOW	r6oletdow:w6	other	family	members	let	r	down	when	counting	o	Categ	
7	R7OLETDOW	r7oletdow:w7	other	family	members	let	r	down	when	counting	o	Categ	
8	R8OLETDOW	r8oletdow:w8	other	family	members	let	r	down	when	counting	o	Categ	
9	R9OLETDOW	r9oletdow:w9	other	family	members	let	r	down	when	counting	o	Categ	
1	S1OLETDOW	s1oletdow:w1	other	family	members	let	s	down	when	counting	o	Categ	
2	S2OLETDOW	s2oletdow:w2	other	family	members	let	s	down	when	counting	o	Categ	
3	S3OLETDOW	s3oletdow:w3	other	family	members	let	s	down	when	counting	o	Categ	
4	S4OLETDOW	s4oletdow:w4	other	family	members	let	s	down	when	counting	o	Categ	
5	S5OLETDOW	s5oletdow:w5	other	family	members	let	s	down	when	counting	o	Categ	
6	S6OLETDOW	s6oletdow:w6	other	family	members	let	s	down	when	counting	o	Categ	
7	S7OLETDOW	s7oletdow:w7	other	family	members	let	s	down	when	counting	o	Categ	
8	S8OLETDOW	s8oletdow:w8	other	family	members	let	s	down	when	counting	o	Categ	
9	S9OLETDOW	s9oletdow:w9	other	family	members	let	s	down	when	counting	o	Categ	
1	R1OGETNEV	r1ogetnev:w1	other	family	members	get	on	r's	nerves		Categ		
2	R2OGETNEV	r2ogetnev:w2	other	family	members	get	on	r's	nerves		Categ		
3	R3OGETNEV	r3ogetnev:w3	other	family	members	get	on	r's	nerves		Categ		
4	R4OGETNEV	r4ogetnev:w4	other	family	members	get	on	r's	nerves		Categ		
5	R5OGETNEV	r5ogetnev:w5	other	family	members	get	on	r's	nerves		Categ		
6	R6OGETNEV	r6ogetnev:w6	other	family	members	get	on	r's	nerves		Categ		
7	R7OGETNEV	r7ogetnev:w7	other	family	members	get	on	r's	nerves		Categ		
8	R8OGETNEV	r8ogetnev:w8	other	family	members	get	on	r's	nerves		Categ		

9	R9OGETNEV	r9ogetnev:w9	other family members get on r's nerves	Categ
1	S1OGETNEV	s1ogetnev:w1	other family members get on s's nerves	Categ
2	S2OGETNEV	s2ogetnev:w2	other family members get on s's nerves	Categ
3	S3OGETNEV	s3ogetnev:w3	other family members get on s's nerves	Categ
4	S4OGETNEV	s4ogetnev:w4	other family members get on s's nerves	Categ
5	S5OGETNEV	s5ogetnev:w5	other family members get on s's nerves	Categ
6	S6OGETNEV	s6ogetnev:w6	other family members get on s's nerves	Categ
7	S7OGETNEV	s7ogetnev:w7	other family members get on s's nerves	Categ
8	S8OGETNEV	s8ogetnev:w8	other family members get on s's nerves	Categ
9	S9OGETNEV	s9ogetnev:w9	other family members get on s's nerves	Categ
1	R1OSUPPORT6	r1osupport6:w1	r's lack of other family members support 6-it	Categ
2	R2OSUPPORT6	r2osupport6:w2	r's lack of other family members support 6-it	Categ
3	R3OSUPPORT6	r3osupport6:w3	r's lack of other family members support 6-it	Categ
4	R4OSUPPORT6	r4osupport6:w4	r's lack of other family members support 6-it	Categ
5	R5OSUPPORT6	r5osupport6:w5	r's lack of other family members support 6-it	Categ
6	R6OSUPPORT6	r6osupport6:w6	r's lack of other family members support 6-it	Categ
7	R7OSUPPORT6	r7osupport6:w7	r's lack of other family members support 6-it	Categ
8	R8OSUPPORT6	r8osupport6:w8	r's lack of other family members support 6-it	Categ
9	R9OSUPPORT6	r9osupport6:w9	r's lack of other family members support 6-it	Categ
1	S1OSUPPORT6	s1osupport6:w1	s's lack of other family members support 6-it	Categ
2	S2OSUPPORT6	s2osupport6:w2	s's lack of other family members support 6-it	Categ
3	S3OSUPPORT6	s3osupport6:w3	s's lack of other family members support 6-it	Categ
4	S4OSUPPORT6	s4osupport6:w4	s's lack of other family members support 6-it	Categ
5	S5OSUPPORT6	s5osupport6:w5	s's lack of other family members support 6-it	Categ
6	S6OSUPPORT6	s6osupport6:w6	s's lack of other family members support 6-it	Categ
7	S7OSUPPORT6	s7osupport6:w7	s's lack of other family members support 6-it	Categ
8	S8OSUPPORT6	s8osupport6:w8	s's lack of other family members support 6-it	Categ
9	S9OSUPPORT6	s9osupport6:w9	s's lack of other family members support 6-it	Categ
1	R1OSUPPORT6M	r1osupport6m:w1	missings in r's lack of other family members	Categ
2	R2OSUPPORT6M	r2osupport6m:w2	missings in r's lack of other family members	Categ
3	R3OSUPPORT6M	r3osupport6m:w3	missings in r's lack of other family members	Categ
4	R4OSUPPORT6M	r4osupport6m:w4	missings in r's lack of other family members	Categ
5	R5OSUPPORT6M	r5osupport6m:w5	missings in r's lack of other family members	Categ
6	R6OSUPPORT6M	r6osupport6m:w6	missings in r's lack of other family members	Categ
7	R7OSUPPORT6M	r7osupport6m:w7	missings in r's lack of other family members	Categ
8	R8OSUPPORT6M	r8osupport6m:w8	missings in r's lack of other family members	Categ
9	R9OSUPPORT6M	r9osupport6m:w9	missings in r's lack of other family members	Categ
1	S1OSUPPORT6M	s1osupport6m:w1	missings in s's lack of other family members	Categ
2	S2OSUPPORT6M	s2osupport6m:w2	missings in s's lack of other family members	Categ
3	S3OSUPPORT6M	s3osupport6m:w3	missings in s's lack of other family members	Categ
4	S4OSUPPORT6M	s4osupport6m:w4	missings in s's lack of other family members	Categ
5	S5OSUPPORT6M	s5osupport6m:w5	missings in s's lack of other family members	Categ
6	S6OSUPPORT6M	s6osupport6m:w6	missings in s's lack of other family members	Categ
7	S7OSUPPORT6M	s7osupport6m:w7	missings in s's lack of other family members	Categ
8	S8OSUPPORT6M	s8osupport6m:w8	missings in s's lack of other family members	Categ
9	S9OSUPPORT6M	s9osupport6m:w9	missings in s's lack of other family members	Categ
5	R5OSUPPORT	r5osupport:w5	r's lack of other family members support 7-ite	Categ
6	R6OSUPPORT	r6osupport:w6	r's lack of other family members support 7-ite	Categ
7	R7OSUPPORT	r7osupport:w7	r's lack of other family members support 7-ite	Categ
8	R8OSUPPORT	r8osupport:w8	r's lack of other family members support 7-ite	Categ
9	R9OSUPPORT	r9osupport:w9	r's lack of other family members support 7-ite	Categ
5	S5OSUPPORT	s5osupport:w5	s's lack of other family members support 7-ite	Categ
6	S6OSUPPORT	s6osupport:w6	s's lack of other family members support 7-ite	Categ
7	S7OSUPPORT	s7osupport:w7	s's lack of other family members support 7-ite	Categ
8	S8OSUPPORT	s8osupport:w8	s's lack of other family members support 7-ite	Categ
9	S9OSUPPORT	s9osupport:w9	s's lack of other family members support 7-ite	Categ

5	R5OSUPPORTM	r5osupportm:w5	missings in r's lack of other family members	Categ
6	R6OSUPPORTM	r6osupportm:w6	missings in r's lack of other family members	Categ
7	R7OSUPPORTM	r7osupportm:w7	missings in r's lack of other family members	Categ
8	R8OSUPPORTM	r8osupportm:w8	missings in r's lack of other family members	Categ
9	R9OSUPPORTM	r9osupportm:w9	missings in r's lack of other family members	Categ
5	S5OSUPPORTM	s5osupportm:w5	missings in s's lack of other family members	Categ
6	S6OSUPPORTM	s6osupportm:w6	missings in s's lack of other family members	Categ
7	S7OSUPPORTM	s7osupportm:w7	missings in s's lack of other family members	Categ
8	S8OSUPPORTM	s8osupportm:w8	missings in s's lack of other family members	Categ
9	S9OSUPPORTM	s9osupportm:w9	missings in s's lack of other family members	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1OUSTDFE	9543	2.26	0.96	1.00	4.00
R2OUSTDFE	7461	2.27	0.94	1.00	4.00
R3OUSTDFE	7402	2.24	0.93	1.00	4.00
R4OUSTDFE	8386	2.30	0.93	1.00	4.00
R5OUSTDFE	8148	2.32	0.92	1.00	4.00
R6OUSTDFE	8166	2.33	0.94	1.00	4.00
R7OUSTDFE	7431	2.28	0.93	1.00	4.00
R8OUSTDFE	6533	2.32	0.94	1.00	4.00
R9OUSTDFE	6784	2.32	0.94	1.00	4.00
S1OUSTDFE	6609	2.32	0.94	1.00	4.00
S2OUSTDFE	5191	2.31	0.92	1.00	4.00
S3OUSTDFE	5139	2.28	0.91	1.00	4.00
S4OUSTDFE	5910	2.34	0.92	1.00	4.00
S5OUSTDFE	5662	2.35	0.91	1.00	4.00
S6OUSTDFE	5755	2.36	0.93	1.00	4.00
S7OUSTDFE	5203	2.32	0.92	1.00	4.00
S8OUSTDFE	4506	2.36	0.92	1.00	4.00
S9OUSTDFE	4592	2.36	0.92	1.00	4.00
R1ORELY	9571	1.95	1.07	1.00	4.00
R2ORELY	7489	1.94	1.06	1.00	4.00
R3ORELY	7415	1.86	1.03	1.00	4.00
R4ORELY	8401	1.95	1.05	1.00	4.00
R5ORELY	8164	2.01	1.07	1.00	4.00
R6ORELY	8173	2.01	1.07	1.00	4.00
R7ORELY	7443	1.94	1.06	1.00	4.00
R8ORELY	6541	2.01	1.06	1.00	4.00
R9ORELY	6786	1.99	1.06	1.00	4.00
S1ORELY	6636	1.96	1.06	1.00	4.00
S2ORELY	5212	1.95	1.04	1.00	4.00
S3ORELY	5147	1.87	1.03	1.00	4.00
S4ORELY	5920	1.97	1.05	1.00	4.00
S5ORELY	5674	2.02	1.06	1.00	4.00
S6ORELY	5757	2.02	1.06	1.00	4.00
S7ORELY	5206	1.97	1.06	1.00	4.00
S8ORELY	4506	2.04	1.06	1.00	4.00
S9ORELY	4591	2.01	1.06	1.00	4.00
R1OOPENUP	9548	2.24	1.07	1.00	4.00
R2OOPENUP	7475	2.26	1.06	1.00	4.00
R3OOPENUP	7395	2.19	1.05	1.00	4.00
R4OOPENUP	8390	2.29	1.06	1.00	4.00
R5OOPENUP	8149	2.32	1.05	1.00	4.00
R6OOPENUP	8161	2.36	1.05	1.00	4.00

R7OOPENUP	7433	2.29	1.05	1.00	4.00
R8OOPENUP	6531	2.35	1.05	1.00	4.00
R9OOPENUP	6780	2.33	1.05	1.00	4.00
S1OOPENUP	6617	2.29	1.06	1.00	4.00
S2OOPENUP	5203	2.29	1.05	1.00	4.00
S3OOPENUP	5135	2.22	1.04	1.00	4.00
S4OOPENUP	5906	2.32	1.05	1.00	4.00
S5OOPENUP	5667	2.35	1.03	1.00	4.00
S6OOPENUP	5753	2.39	1.04	1.00	4.00
S7OOPENUP	5202	2.32	1.04	1.00	4.00
S8OOPENUP	4502	2.40	1.04	1.00	4.00
S9OOPENUP	4586	2.37	1.04	1.00	4.00
R5ODEMAND	8111	3.60	0.73	1.00	4.00
R6ODEMAND	8151	3.59	0.74	1.00	4.00
R7ODEMAND	7414	3.61	0.71	1.00	4.00
R8ODEMAND	6536	3.61	0.71	1.00	4.00
R9ODEMAND	6765	3.61	0.71	1.00	4.00
S5ODEMAND	5634	3.59	0.74	1.00	4.00
S6ODEMAND	5739	3.57	0.76	1.00	4.00
S7ODEMAND	5188	3.59	0.72	1.00	4.00
S8ODEMAND	4498	3.59	0.72	1.00	4.00
S9ODEMAND	4581	3.60	0.71	1.00	4.00
R1OCRITZE	9315	3.29	0.82	1.00	4.00
R2OCRITZE	7323	3.27	0.82	1.00	4.00
R3OCRITZE	7290	3.27	0.83	1.00	4.00
R4OCRITZE	8266	3.28	0.82	1.00	4.00
R5OCRITZE	8034	3.31	0.82	1.00	4.00
R6OCRITZE	8055	3.35	0.80	1.00	4.00
R7OCRITZE	7339	3.34	0.81	1.00	4.00
R8OCRITZE	6476	3.36	0.81	1.00	4.00
R9OCRITZE	6716	3.35	0.80	1.00	4.00
S1OCRITZE	6463	3.29	0.81	1.00	4.00
S2OCRITZE	5106	3.27	0.80	1.00	4.00
S3OCRITZE	5070	3.27	0.81	1.00	4.00
S4OCRITZE	5820	3.29	0.80	1.00	4.00
S5OCRITZE	5604	3.34	0.79	1.00	4.00
S6OCRITZE	5679	3.35	0.80	1.00	4.00
S7OCRITZE	5140	3.35	0.80	1.00	4.00
S8OCRITZE	4468	3.37	0.79	1.00	4.00
S9OCRITZE	4558	3.38	0.79	1.00	4.00
R1OLETDOW	9356	3.42	0.88	1.00	4.00
R2OLETDOW	7354	3.42	0.87	1.00	4.00
R3OLETDOW	7282	3.42	0.87	1.00	4.00
R4OLETDOW	8319	3.43	0.85	1.00	4.00
R5OLETDOW	8060	3.45	0.84	1.00	4.00
R6OLETDOW	8058	3.47	0.84	1.00	4.00
R7OLETDOW	7343	3.45	0.85	1.00	4.00
R8OLETDOW	6481	3.48	0.82	1.00	4.00
R9OLETDOW	6716	3.49	0.81	1.00	4.00
S1OLETDOW	6498	3.40	0.88	1.00	4.00
S2OLETDOW	5122	3.40	0.87	1.00	4.00
S3OLETDOW	5071	3.41	0.87	1.00	4.00
S4OLETDOW	5859	3.42	0.84	1.00	4.00
S5OLETDOW	5609	3.45	0.84	1.00	4.00
S6OLETDOW	5687	3.46	0.84	1.00	4.00
S7OLETDOW	5146	3.44	0.85	1.00	4.00

S8OLETDOW	4469	3.48	0.82	1.00	4.00
S9OLETDOW	4552	3.48	0.82	1.00	4.00
R1OGETNEV	9462	3.34	0.81	1.00	4.00
R2OGETNEV	7420	3.31	0.81	1.00	4.00
R3OGETNEV	7345	3.31	0.81	1.00	4.00
R4OGETNEV	8362	3.31	0.80	1.00	4.00
R5OGETNEV	8119	3.32	0.81	1.00	4.00
R6OGETNEV	8124	3.31	0.81	1.00	4.00
R7OGETNEV	7405	3.31	0.81	1.00	4.00
R8OGETNEV	6521	3.30	0.82	1.00	4.00
R9OGETNEV	6759	3.29	0.81	1.00	4.00
S1OGETNEV	6562	3.30	0.81	1.00	4.00
S2OGETNEV	5169	3.28	0.80	1.00	4.00
S3OGETNEV	5102	3.28	0.81	1.00	4.00
S4OGETNEV	5889	3.28	0.79	1.00	4.00
S5OGETNEV	5647	3.30	0.80	1.00	4.00
S6OGETNEV	5721	3.27	0.81	1.00	4.00
S7OGETNEV	5181	3.28	0.80	1.00	4.00
S8OGETNEV	4489	3.27	0.81	1.00	4.00
S9OGETNEV	4579	3.27	0.81	1.00	4.00
R1OSUPPORT6	9623	1.91	0.66	1.00	4.00
R2OSUPPORT6	7527	1.92	0.65	1.00	4.00
R3OSUPPORT6	7438	1.89	0.65	1.00	4.00
R4OSUPPORT6	8438	1.93	0.64	1.00	4.00
R5OSUPPORT6	8196	1.93	0.63	1.00	4.00
R6OSUPPORT6	7201	1.92	0.63	1.00	4.00
R7OSUPPORT6	6451	1.90	0.63	1.00	4.00
R8OSUPPORT6	5682	1.92	0.63	1.00	4.00
R9OSUPPORT6	5742	1.91	0.63	1.00	4.00
S1OSUPPORT6	6667	1.94	0.65	1.00	4.00
S2OSUPPORT6	5235	1.94	0.64	1.00	4.00
S3OSUPPORT6	5156	1.91	0.65	1.00	4.00
S4OSUPPORT6	5940	1.94	0.63	1.00	4.00
S5OSUPPORT6	5693	1.95	0.62	1.00	4.00
S6OSUPPORT6	4800	1.94	0.63	1.00	4.00
S7OSUPPORT6	4257	1.92	0.63	1.00	4.00
S8OSUPPORT6	3661	1.95	0.62	1.00	4.00
S9OSUPPORT6	3582	1.93	0.62	1.00	4.00
R1OSUPPORT6M	12099	1.31	2.42	0.00	6.00
R2OSUPPORT6M	9432	1.28	2.41	0.00	6.00
R3OSUPPORT6M	9766	1.48	2.55	0.00	6.00
R4OSUPPORT6M	11050	1.46	2.55	0.00	6.00
R5OSUPPORT6M	10274	1.26	2.41	0.00	6.00
R6OSUPPORT6M	10601	1.40	2.50	0.00	6.00
R7OSUPPORT6M	9666	1.41	2.51	0.00	6.00
R8OSUPPORT6M	8445	1.37	2.49	0.00	6.00
R9OSUPPORT6M	8736	1.36	2.49	0.00	6.00
S1OSUPPORT6M	8070	1.12	2.28	0.00	6.00
S2OSUPPORT6M	6178	0.98	2.17	0.00	6.00
S3OSUPPORT6M	6382	1.20	2.37	0.00	6.00
S4OSUPPORT6M	7402	1.23	2.39	0.00	6.00
S5OSUPPORT6M	6964	1.14	2.32	0.00	6.00
S6OSUPPORT6M	7242	1.26	2.41	0.00	6.00
S7OSUPPORT6M	6560	1.26	2.42	0.00	6.00
S8OSUPPORT6M	5688	1.26	2.42	0.00	6.00
S9OSUPPORT6M	5820	1.28	2.44	0.00	6.00



R5OSUPPORT	8196	1.86	0.58	1.00	4.00
R6OSUPPORT	7202	1.85	0.58	1.00	4.00
R7OSUPPORT	6452	1.82	0.58	1.00	4.00
R8OSUPPORT	5685	1.84	0.58	1.00	4.00
R9OSUPPORT	5742	1.84	0.58	1.00	4.00
S5OSUPPORT	5693	1.87	0.57	1.00	4.00
S6OSUPPORT	4801	1.87	0.58	1.00	4.00
S7OSUPPORT	4257	1.84	0.58	1.00	4.00
S8OSUPPORT	3663	1.87	0.57	1.00	4.00
S9OSUPPORT	3582	1.85	0.57	1.00	4.00
R5OSUPPORTM	10274	1.47	2.81	0.00	7.00
R6OSUPPORTM	10601	1.63	2.92	0.00	7.00
R7OSUPPORTM	9666	1.64	2.93	0.00	7.00
R8OSUPPORTM	8445	1.60	2.90	0.00	7.00
R9OSUPPORTM	8736	1.58	2.90	0.00	7.00
S5OSUPPORTM	6964	1.33	2.71	0.00	7.00
S6OSUPPORTM	7242	1.46	2.81	0.00	7.00
S7OSUPPORTM	6560	1.47	2.82	0.00	7.00
S8OSUPPORTM	5688	1.47	2.82	0.00	7.00
S9OSUPPORTM	5820	1.50	2.84	0.00	7.00

### Categorical Variable Codes

Value-----	R1OUSTDFE	R2OUSTDFE	R3OUSTDFE	R4OUSTDFE	R5OUSTDFE
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	591	288	239	289	250
.n:no other family members	857	611	598	667	632
1.a lot	2289	1691	1721	1737	1595
2.some	3597	2913	2979	3401	3336
3.a little	2502	2000	1886	2219	2219
4.not at all	1155	857	816	1029	998

Value-----	R6OUSTDFE	R7OUSTDFE	R8OUSTDFE	R9OUSTDFE
.c:not in self-completion m	1626	1490	1240	1245
.m:Missing	184	161	158	51
.n:no other family members	625	584	514	556
.r:Refuse				100
1.a lot	1639	1581	1321	1361
2.some	3261	3076	2647	2758
3.a little	2217	1863	1725	1791
4.not at all	1049	911	840	874

Value-----	S1OUSTDFE	S2OUSTDFE	S3OUSTDFE	S4OUSTDFE	S5OUSTDFE
.c:not in self-completion m	530	452	769	890	751
.m:Missing	410	185	129	176	167
.n:no other family members	521	350	347	426	384
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	1384	1047	1066	1085	991
2.some	2560	2090	2133	2491	2364
3.a little	1827	1443	1380	1584	1626
4.not at all	838	611	560	750	681

Value-----	S6OUSTDFE	S7OUSTDFE	S8OUSTDFE	S9OUSTDFE
.c:not in self-completion m	1019	922	776	800
.m:Missing	88	87	83	29
.n:no other family members	380	348	323	347
.r:Refuse				52
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.a lot	1051	989	803	831
2.some	2325	2204	1865	1873
3.a little	1607	1347	1257	1290

4.not at all	772	663	581	598	
Value-----	R1ORELY	R2ORELY	R3ORELY	R4ORELY	R5ORELY
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	563	260	226	274	234
.n:no other family members	857	611	598	667	632
1.a lot	4536	3541	3729	3845	3540
2.some	2216	1784	1767	2123	2066
3.a little	1611	1249	1115	1409	1504
4.not at all	1208	915	804	1024	1054
Value-----	R6ORELY	R7ORELY	R8ORELY	R9ORELY	
.c:not in self-completion m	1626	1492	1245	1246	
.m:Missing	177	147	145	51	
.n:no other family members	625	584	514	556	
.r:Refuse				97	
1.a lot	3549	3492	2816	2976	
2.some	2073	1821	1679	1754	
3.a little	1471	1225	1210	1193	
4.not at all	1080	905	836	863	
Value-----	S1ORELY	S2ORELY	S3ORELY	S4ORELY	S5ORELY
.c:not in self-completion m	530	452	769	890	751
.m:Missing	383	164	121	166	155
.n:no other family members	521	350	347	426	384
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	3040	2394	2558	2633	2371
2.some	1626	1299	1258	1550	1511
3.a little	1148	922	791	1022	1073
4.not at all	822	597	540	715	719
Value-----	S6ORELY	S7ORELY	S8ORELY	S9ORELY	
.c:not in self-completion m	1019	924	780	801	
.m:Missing	86	82	79	29	
.n:no other family members	380	348	323	347	
.r:Refuse				52	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	2445	2340	1842	1955	
2.some	1479	1333	1209	1207	
3.a little	1086	891	869	838	
4.not at all	747	642	586	591	
Value-----	R1OOPENUP	R2OOPENUP	R3OOPENUP	R4OOPENUP	R5OOPENUP
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	586	274	246	285	249
.n:no other family members	857	611	598	667	632
1.a lot	2971	2268	2423	2401	2212
2.some	2841	2241	2232	2598	2476
3.a little	2167	1757	1647	1977	2093
4.not at all	1569	1209	1093	1414	1368
Value-----	R6OOPENUP	R7OOPENUP	R8OOPENUP	R9OOPENUP	
.c:not in self-completion m	1627	1492	1244	1247	
.m:Missing	188	157	156	51	
.n:no other family members	625	584	514	556	
.r:Refuse				102	
1.a lot	2073	2073	1685	1786	
2.some	2562	2375	2037	2169	
3.a little	2071	1746	1627	1637	
4.not at all	1455	1239	1182	1188	
Value-----	S1OOPENUP	S2OOPENUP	S3OOPENUP	S4OOPENUP	S5OOPENUP
.c:not in self-completion m	530	452	769	890	751
.m:Missing	402	173	133	180	162
.n:no other family members	521	350	347	426	384
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	1899	1480	1567	1592	1422
2.some	2041	1597	1612	1849	1777

3.a little	1568	1281	1197	1465	1509
4.not at all	1109	845	759	1000	959

Value-----	S6OOPENUP	S7OOPENUP	S8OOPENUP	S9OOPENUP	
.c:not in self-completion m	1020	924	779	802	
.m:Missing	89	86	84	29	
.n:no other family members	380	348	323	347	
.r:Refuse				56	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	1364	1363	1053	1127	
2.some	1828	1682	1432	1475	
3.a little	1512	1268	1184	1163	
4.not at all	1049	889	833	821	

Value-----					R5ODEMAND
.c:not in self-completion m					1244
.m:Missing					287
.n:no other family members					632
1.a lot					192
2.some					633
3.a little					1408
4.not at all					5878

Value-----	R6ODEMAND	R7ODEMAND	R8ODEMAND	R9ODEMAND	
.c:not in self-completion m	1629	1500	1245	1246	
.m:Missing	196	168	150	51	
.n:no other family members	625	584	514	556	
.r:Refuse				118	
1.a lot	200	160	135	140	
2.some	641	524	485	490	
3.a little	1466	1370	1192	1262	
4.not at all	5844	5360	4724	4873	

Value-----					S5ODEMAND
.c:not in self-completion m					751
.m:Missing					195
.n:no other family members					384
.u:Unmar					2742
.v:SP NR					568
1.a lot					140
2.some					442
3.a little					1016
4.not at all					4036

Value-----	S6ODEMAND	S7ODEMAND	S8ODEMAND	S9ODEMAND	
.c:not in self-completion m	1022	932	781	801	
.m:Missing	101	92	86	29	
.n:no other family members	380	348	323	347	
.r:Refuse				62	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	156	117	93	91	
2.some	463	373	348	341	
3.a little	1102	1008	876	887	
4.not at all	4018	3690	3181	3262	

Value-----	R1OCRITZE	R2OCRITZE	R3OCRITZE	R4OCRITZE	R5OCRITZE
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	819	426	351	409	364
.n:no other family members	857	611	598	667	632
1.a lot	296	218	233	256	245
2.some	1260	1057	1066	1174	1093
3.a little	3177	2576	2496	2835	2610
4.not at all	4582	3472	3495	4001	4086

Value-----	R6OCRITZE	R7OCRITZE	R8OCRITZE	R9OCRITZE	
.c:not in self-completion m	1632	1502	1251	1252	
.m:Missing	289	241	204	51	
.n:no other family members	625	584	514	556	
.r:Refuse				161	

1.a lot	237	208	207	188	
2.some	981	943	744	843	
3.a little	2564	2336	2065	2091	
4.not at all	4273	3852	3460	3594	
Value-----	S1OCRITZE	S2OCRITZE	S3OCRITZE	S4OCRITZE	S5OCRITZE
.c:not in self-completion m	530	452	769	890	751
.m:Missing	556	270	198	266	225
.n:no other family members	521	350	347	426	384
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	191	132	140	158	138
2.some	870	753	746	786	728
3.a little	2277	1847	1764	2082	1834
4.not at all	3125	2374	2420	2794	2904
Value-----	S6OCRITZE	S7OCRITZE	S8OCRITZE	S9OCRITZE	
.c:not in self-completion m	1022	934	785	806	
.m:Missing	161	138	112	29	
.n:no other family members	380	348	323	347	
.r:Refuse				80	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	160	142	124	113	
2.some	686	626	504	535	
3.a little	1826	1668	1450	1423	
4.not at all	3007	2704	2390	2487	
Value-----	R1OLETDOW	R2OLETDOW	R3OLETDOW	R4OLETDOW	R5OLETDOW
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	778	395	359	356	338
.n:no other family members	857	611	598	667	632
1.a lot	505	346	336	366	350
2.some	954	841	845	894	828
3.a little	1992	1562	1524	1848	1724
4.not at all	5905	4605	4577	5211	5158
Value-----	R6OLETDOW	R7OLETDOW	R8OLETDOW	R9OLETDOW	
.c:not in self-completion m	1635	1503	1246	1248	
.m:Missing	283	236	204	51	
.n:no other family members	625	584	514	556	
.r:Refuse				165	
1.a lot	348	328	260	244	
2.some	776	749	597	627	
3.a little	1678	1558	1392	1432	
4.not at all	5256	4708	4232	4413	
Value-----	S1OLETDOW	S2OLETDOW	S3OLETDOW	S4OLETDOW	S5OLETDOW
.c:not in self-completion m	530	452	769	890	751
.m:Missing	521	254	197	227	220
.n:no other family members	521	350	347	426	384
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	344	236	228	246	236
2.some	692	603	601	631	578
3.a little	1463	1152	1085	1395	1220
4.not at all	3999	3131	3157	3587	3575
Value-----	S6OLETDOW	S7OLETDOW	S8OLETDOW	S9OLETDOW	
.c:not in self-completion m	1026	934	781	803	
.m:Missing	149	132	115	29	
.n:no other family members	380	348	323	347	
.r:Refuse				89	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	252	233	177	175	
2.some	543	532	408	430	
3.a little	1238	1129	999	1002	
4.not at all	3654	3252	2885	2945	
Value-----	R1OGETNEV	R2OGETNEV	R3OGETNEV	R4OGETNEV	R5OGETNEV

.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	672	329	296	313	279
.n:no other family members	857	611	598	667	632
1.a lot	361	285	274	304	282
2.some	944	784	821	872	919
3.a little	3271	2666	2576	3125	2849
4.not at all	4886	3685	3674	4061	4069
Value-----	R6OGETNEV	R7OGETNEV	R8OGETNEV	R9OGETNEV	
.c:not in self-completion m	1630	1498	1245	1247	
.m:Missing	222	179	165	51	
.n:no other family members	625	584	514	556	
.r:Refuse				123	
1.a lot	302	275	266	247	
2.some	862	799	709	783	
3.a little	2953	2701	2378	2514	
4.not at all	4007	3630	3168	3215	
Value-----	S1OGETNEV	S2OGETNEV	S3OGETNEV	S4OGETNEV	S5OGETNEV
.c:not in self-completion m	530	452	769	890	751
.m:Missing	457	207	166	197	182
.n:no other family members	521	350	347	426	384
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	248	195	191	214	191
2.some	696	564	597	616	637
3.a little	2452	2014	1914	2356	2108
4.not at all	3166	2396	2400	2703	2711
Value-----	S6OGETNEV	S7OGETNEV	S8OGETNEV	S9OGETNEV	
.c:not in self-completion m	1022	930	781	802	
.m:Missing	119	101	95	29	
.n:no other family members	380	348	323	347	
.r:Refuse				63	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	224	192	175	171	
2.some	636	560	522	524	
3.a little	2210	2033	1722	1796	
4.not at all	2651	2396	2070	2088	

## How Constructed

RwOUSTDFE indicates how much the respondent feels other immediate family members really understand the way they feel about things.

RwORELY indicates how much the respondent feels they can rely on other immediate family members if they have a serious problem.

RwOOPENUP indicates how much the respondent feels they can open up to other immediate family members when they need to talk about their worries.

RwODEMAND indicates how often the respondent feels other immediate family members make too many demands on them.

RwOCRITZE indicates how much the respondent feels other immediate family members criticize them.

RwOLETDOW indicates how much the respondent feels other immediate family members let them down when they are counting on them.

RwOGETNEV indicates how much the respondent feels other immediate family members get on their nerves.

RwOUSTDFE, RwORELY, RwOOPENUP, RwODEMAND, RwOCRITZE, RwOLETDOW and RwOGETNEV are coded as follows: 1. a lot, 2. some, 3. a little and 4. not at all. Special missing .n is assigned if the respondent indicates they did not have any other immediate family members. Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Special missing .m is assigned if their response for

the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SWOUSTDFE, SWORELY, SWOOPENUP, SWODEMAND, SWOCRITZE, SWOLETDOW and SWOGETNEV indicate the current wave's spouse's feelings about statements about their other immediate family members and are taken from the spouse's values to RWOUSTDFE, RWORELY, RWOOPENUP, RWODEMAND, RWOCRITZE, RWOLETDOW and RWOGETNEV. In addition to the special missing codes used in RWOUSTDFE, RWORELY, RWOOPENUP, RWODEMAND, RWOCRITZE, RWOLETDOW and RWOGETNEV, SWOUSTDFE, SWORELY, SWOOPENUP, SWODEMAND, SWOCRITZE, SWOLETDOW and SWOGETNEV employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RWOSUPPORT6 indicates the mean of the 6 different other immediate family members questions (RWOUSTDFE, RWORELY, RWOOPENUP, RWOCRITZE, RWOLETDOW and RWOGETNEV) and can be used as a summary score. RWOSUPPORT6 is calculated for any respondent with at least one non-missing value for its six components. Since RWOSUPPORT6 indicates how much the respondent feels a lack of support from their other immediate family members, we reverse coded the values of RWOCRITZE, RWOLETDOW and RWOGETNEV to make sure that higher scores indicate less support that the respondent feels from their other immediate family members. The coding of RWOUSTDFE, RWORELY and RWOOPENUP did not change. RWOSUPPORT6M counts the number of components with missing values in RWOSUPPORT6, which could be between no missing components (0) and six missing components (6). Special missing .n is assigned if the respondent has no other immediate family members. Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Special missing .m is assigned if their responses for all 6 components are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SWOSUPPORT6 and SWOSUPPORT6M indicate the mean summary score of 6 different other immediate family members support questions and the count of any missing components for the current wave's spouse and are taken from the spouse's values to RWOSUPPORT6 and RWOSUPPORT6M. In addition to the special missing codes used in RWOSUPPORT6 and RWOSUPPORT6M, SWOSUPPORT6 and SWOSUPPORT6M employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RWOSUPPORT indicates the mean of the 7 different other immediate family members questions (RWOUSTDFE, RWORELY, RWOOPENUP, RWODEMAND, RWOCRITZE, RWOLETDOW and RWOGETNEV) and can be used as a summary score. RWOSUPPORT is calculated for any respondent with at least one non-missing value for its seven components. Since RWOSUPPORT indicates how much the respondents feels a lack of support from their other immediate family members, we reverse coded the values of RWODEMAND, RWOCRITZE, RWOLETDOW and RWOGETNEV to make sure that higher scores indicate less support that the respondent feels from their other immediate family members. The coding of RWOUSTDFE, RWORELY and RWOOPENUP did not change. RWOSUPPORTM counts the number of components with missing values in RWOSUPPORT, which could be between no missing components (0) and seven missing components (7). Special missing .n is assigned if the respondent has no other immediate family members. Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Special missing .m is assigned if their responses for all 7 components are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SWOSUPPORT and SWOSUPPORTM indicate the mean summary score of 7 different other immediate family members support questions and the count of any missing components for the current wave's spouse and are taken from the spouse's values to RWOSUPPORT and RWOSUPPORTM. In addition to the special missing codes used in RWOSUPPORT and RWOSUPPORTM, SWOSUPPORT and SWOSUPPORTM employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## **Cross Wave Differences in ELSA**

ELSA starts to ask the respondent about how often they feel their other family members make too many demands on them in Wave 5; therefore, RWOSUPPORT becomes available in Wave 5.

## **Differences with the RAND HRS/Harmonized HRS**

No differences known.

**ELSA Variables Used**

## Index File:

OUTSCW1 wave 1 self-completion outcome  
 OUTSCW2 wave 2 self-completion outcome  
 OUTSCW3 wave 3 core self-completion outcome  
 OUTSCW4 outcome of wave 4 core self completion questionnaire  
 OUTSCW5 outcome of core wave 5 self-completion questionnaire

## Wave 1 Core:

SCFAM do you have any other immediate family  
 SCFAMA how much do these family members really understand the w  
 SCFAMB how much can you rely on these family members if you hav  
 SCFAMC how much can you open up to these family members if you  
 SCFAMD how much do these family members criticise you?  
 SCFAME how much do these family members let you down when you a  
 SCFAMF how much do these family members get on your nerves?

## Wave 2 Core:

SCFAM Whether the respondent has any other immediate family  
 SCFAMA How much do family members understand how respondent fee  
 SCFAMB How much respondent can rely on other relatives if they  
 SCFAMC How much respondent can open up to these other relatives  
 SCFAMD How much other relatives criticise the respondent  
 SCFAME How much other relatives let the respondent down  
 SCFAMF How much other relatives get on the nerves of the respond

## Wave 3 Core:

SCFAM whether the respondent has any other immediate family  
 SCFAMA how much do family members understand how respondent fee  
 SCFAMB how much respondent can rely on other relatives if they  
 SCFAMC how much respondent can open up to these other relatives  
 SCFAMD how much other relatives criticise the respondent  
 SCFAME how much other relatives let the respondent down  
 SCFAMF how much other relatives get on the nerves of the respon

## Wave 4 Core:

SCFAM whether the respondent has any other immediate family  
 SCFAMA how much do family members understand how respondent fee  
 SCFAMB how much respondent can rely on other relatives if they  
 SCFAMC how much respondent can open up to these other relatives  
 SCFAMD how much other relatives criticise the respondent  
 SCFAME how much other relatives let the respondent down  
 SCFAMF how much other relatives get on the nerves of the respon

## Wave 5 Core:

SCFAM Whether the respondent has any other immediate family  
 SCFAMA How much do family members understand how respondent fee  
 SCFAMB How much respondent can rely on other relatives if they  
 SCFAMC How much respondent can open up to these other relatives  
 SCFAMD How much other relatives criticise the respondent  
 SCFAME How much other relatives let the respondent down  
 SCFAMF How much other relatives get on the nerves of the respon

## Wave 6 Core:

Q25G how often other relatives make too many demands on resp  
 SCFAM whether the respondent has any other immediate family  
 SCFAMA how much do family members understand how respondent fee  
 SCFAMB how much respondent can rely on other relatives if they  
 SCFAMC how much respondent can open up to these other relatives  
 SCFAMD how much other relatives criticise the respondent  
 SCFAME how much other relatives let the respondent down  
 SCFAMF how much other relatives get on the nerves of the respon

## Wave 7 Core:

SCFAM whether the respondent has any other immediate family  
 SCFAMA how much do family members understand how respondent fee  
 SCFAMB how much respondent can rely on other relatives if they  
 SCFAMC how much respondent can open up to these other relatives

SCFAMD	how much other relatives criticise the respondent
SCFAME	how much other relatives let the respondent down
SCFAMF	how much other relatives get on the nerves of the respon
SCFAMG	how often other relatives make too many demands on the r
Wave 8 Core:	
SCFAM	whether the respondent has any other immediate family (e
SCFAMA	how much respondents's family members understand the way
SCFAMB	how much respondent can rely on other family members if
SCFAMC	how much respondent can open up to other family members
SCFAMD	how much other family members criticise the respondent
SCFAME	how much other family members let the respondent down
SCFAMF	how much other family members get on the nerves of the r
SCFAMG	how often other family members make too many demands on
Wave 9 Core:	
SCFAM	Whether the respondent has any other immediate family (e
SCFAMA	How much respondents's family members understand the way
SCFAMB	How much respondent can rely on other family members if
SCFAMC	How much respondent can open up to other family members
SCFAMD	How much other family members criticise the respondent
SCFAME	How much other family members let the respondent down
SCFAMF	How much other family members get on the nerves of the r
SCFAMG	How often other family members make too many demands on



<b>Social Support: Friends</b>
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Wave	Variable	Label	Type
1	R1FUSTDFE	r1fustdfe:w1 r thinks friends understand the way they feel	Categ
2	R2FUSTDFE	r2fustdfe:w2 r thinks friends understand the way they feel	Categ
3	R3FUSTDFE	r3fustdfe:w3 r thinks friends understand the way they feel	Categ
4	R4FUSTDFE	r4fustdfe:w4 r thinks friends understand the way they feel	Categ
5	R5FUSTDFE	r5fustdfe:w5 r thinks friends understand the way they feel	Categ
6	R6FUSTDFE	r6fustdfe:w6 r thinks friends understand the way they feel	Categ
7	R7FUSTDFE	r7fustdfe:w7 r thinks friends understand the way they feel	Categ
8	R8FUSTDFE	r8fustdfe:w8 r thinks friends understand the way they feel	Categ
9	R9FUSTDFE	r9fustdfe:w9 r thinks friends understand the way they feel	Categ
1	S1FUSTDFE	s1fustdfe:w1 s thinks friends understand the way they feel	Categ
2	S2FUSTDFE	s2fustdfe:w2 s thinks friends understand the way they feel	Categ
3	S3FUSTDFE	s3fustdfe:w3 s thinks friends understand the way they feel	Categ
4	S4FUSTDFE	s4fustdfe:w4 s thinks friends understand the way they feel	Categ
5	S5FUSTDFE	s5fustdfe:w5 s thinks friends understand the way they feel	Categ
6	S6FUSTDFE	s6fustdfe:w6 s thinks friends understand the way they feel	Categ
7	S7FUSTDFE	s7fustdfe:w7 s thinks friends understand the way they feel	Categ
8	S8FUSTDFE	s8fustdfe:w8 s thinks friends understand the way they feel	Categ
9	S9FUSTDFE	s9fustdfe:w9 s thinks friends understand the way they feel	Categ
1	R1FRELY	r1frely:w1 r can rely on friends for a serious problem	Categ
2	R2FRELY	r2frely:w2 r can rely on friends for a serious problem	Categ
3	R3FRELY	r3frely:w3 r can rely on friends for a serious problem	Categ
4	R4FRELY	r4frely:w4 r can rely on friends for a serious problem	Categ
5	R5FRELY	r5frely:w5 r can rely on friends for a serious problem	Categ
6	R6FRELY	r6frely:w6 r can rely on friends for a serious problem	Categ
7	R7FRELY	r7frely:w7 r can rely on friends for a serious problem	Categ
8	R8FRELY	r8frely:w8 r can rely on friends for a serious problem	Categ
9	R9FRELY	r9frely:w9 r can rely on friends for a serious problem	Categ
1	S1FRELY	s1frely:w1 s can rely on friends for a serious problem	Categ
2	S2FRELY	s2frely:w2 s can rely on friends for a serious problem	Categ
3	S3FRELY	s3frely:w3 s can rely on friends for a serious problem	Categ
4	S4FRELY	s4frely:w4 s can rely on friends for a serious problem	Categ
5	S5FRELY	s5frely:w5 s can rely on friends for a serious problem	Categ
6	S6FRELY	s6frely:w6 s can rely on friends for a serious problem	Categ
7	S7FRELY	s7frely:w7 s can rely on friends for a serious problem	Categ
8	S8FRELY	s8frely:w8 s can rely on friends for a serious problem	Categ
9	S9FRELY	s9frely:w9 s can rely on friends for a serious problem	Categ
1	R1FOPENUP	r1fopenup:w1 r can open up their worries to friends	Categ
2	R2FOPENUP	r2fopenup:w2 r can open up their worries to friends	Categ
3	R3FOPENUP	r3fopenup:w3 r can open up their worries to friends	Categ
4	R4FOPENUP	r4fopenup:w4 r can open up their worries to friends	Categ
5	R5FOPENUP	r5fopenup:w5 r can open up their worries to friends	Categ
6	R6FOPENUP	r6fopenup:w6 r can open up their worries to friends	Categ
7	R7FOPENUP	r7fopenup:w7 r can open up their worries to friends	Categ
8	R8FOPENUP	r8fopenup:w8 r can open up their worries to friends	Categ
9	R9FOPENUP	r9fopenup:w9 r can open up their worries to friends	Categ
1	S1FOPENUP	s1fopenup:w1 s can open up their worries to friends	Categ
2	S2FOPENUP	s2fopenup:w2 s can open up their worries to friends	Categ
3	S3FOPENUP	s3fopenup:w3 s can open up their worries to friends	Categ
4	S4FOPENUP	s4fopenup:w4 s can open up their worries to friends	Categ
5	S5FOPENUP	s5fopenup:w5 s can open up their worries to friends	Categ
6	S6FOPENUP	s6fopenup:w6 s can open up their worries to friends	Categ
7	S7FOPENUP	s7fopenup:w7 s can open up their worries to friends	Categ

8	S8FOPENUP	s8fopenup:w8	s can open up their worries to friends	Categ
9	S9FOPENUP	s9fopenup:w9	s can open up their worries to friends	Categ
5	R5FDEMAND	r5fdemand:w5	friends put too many demands on r	Categ
6	R6FDEMAND	r6fdemand:w6	friends put too many demands on r	Categ
7	R7FDEMAND	r7fdemand:w7	friends put too many demands on r	Categ
8	R8FDEMAND	r8fdemand:w8	friends put too many demands on r	Categ
9	R9FDEMAND	r9fdemand:w9	friends put too many demands on r	Categ
5	S5FDEMAND	s5fdemand:w5	friends put too many demands on s	Categ
6	S6FDEMAND	s6fdemand:w6	friends put too many demands on s	Categ
7	S7FDEMAND	s7fdemand:w7	friends put too many demands on s	Categ
8	S8FDEMAND	s8fdemand:w8	friends put too many demands on s	Categ
9	S9FDEMAND	s9fdemand:w9	friends put too many demands on s	Categ
1	R1FCRITZE	r1fcritze:w1	how much friends criticize r	Categ
2	R2FCRITZE	r2fcritze:w2	how much friends criticize r	Categ
3	R3FCRITZE	r3fcritze:w3	how much friends criticize r	Categ
4	R4FCRITZE	r4fcritze:w4	how much friends criticize r	Categ
5	R5FCRITZE	r5fcritze:w5	how much friends criticize r	Categ
6	R6FCRITZE	r6fcritze:w6	how much friends criticize r	Categ
7	R7FCRITZE	r7fcritze:w7	how much friends criticize r	Categ
8	R8FCRITZE	r8fcritze:w8	how much friends criticize r	Categ
9	R9FCRITZE	r9fcritze:w9	how much friends criticize r	Categ
1	S1FCRITZE	s1fcritze:w1	how much friends criticize s	Categ
2	S2FCRITZE	s2fcritze:w2	how much friends criticize s	Categ
3	S3FCRITZE	s3fcritze:w3	how much friends criticize s	Categ
4	S4FCRITZE	s4fcritze:w4	how much friends criticize s	Categ
5	S5FCRITZE	s5fcritze:w5	how much friends criticize s	Categ
6	S6FCRITZE	s6fcritze:w6	how much friends criticize s	Categ
7	S7FCRITZE	s7fcritze:w7	how much friends criticize s	Categ
8	S8FCRITZE	s8fcritze:w8	how much friends criticize s	Categ
9	S9FCRITZE	s9fcritze:w9	how much friends criticize s	Categ
1	R1FLETDOW	r1fletdow:w1	friends let r down when counting on them	Categ
2	R2FLETDOW	r2fletdow:w2	friends let r down when counting on them	Categ
3	R3FLETDOW	r3fletdow:w3	friends let r down when counting on them	Categ
4	R4FLETDOW	r4fletdow:w4	friends let r down when counting on them	Categ
5	R5FLETDOW	r5fletdow:w5	friends let r down when counting on them	Categ
6	R6FLETDOW	r6fletdow:w6	friends let r down when counting on them	Categ
7	R7FLETDOW	r7fletdow:w7	friends let r down when counting on them	Categ
8	R8FLETDOW	r8fletdow:w8	friends let r down when counting on them	Categ
9	R9FLETDOW	r9fletdow:w9	friends let r down when counting on them	Categ
1	S1FLETDOW	s1fletdow:w1	friends let s down when counting on them	Categ
2	S2FLETDOW	s2fletdow:w2	friends let s down when counting on them	Categ
3	S3FLETDOW	s3fletdow:w3	friends let s down when counting on them	Categ
4	S4FLETDOW	s4fletdow:w4	friends let s down when counting on them	Categ
5	S5FLETDOW	s5fletdow:w5	friends let s down when counting on them	Categ
6	S6FLETDOW	s6fletdow:w6	friends let s down when counting on them	Categ
7	S7FLETDOW	s7fletdow:w7	friends let s down when counting on them	Categ
8	S8FLETDOW	s8fletdow:w8	friends let s down when counting on them	Categ
9	S9FLETDOW	s9fletdow:w9	friends let s down when counting on them	Categ
1	R1FGETNEV	r1fgetnev:w1	friends gets on r's nerves	Categ
2	R2FGETNEV	r2fgetnev:w2	friends gets on r's nerves	Categ
3	R3FGETNEV	r3fgetnev:w3	friends gets on r's nerves	Categ
4	R4FGETNEV	r4fgetnev:w4	friends gets on r's nerves	Categ
5	R5FGETNEV	r5fgetnev:w5	friends gets on r's nerves	Categ
6	R6FGETNEV	r6fgetnev:w6	friends gets on r's nerves	Categ
7	R7FGETNEV	r7fgetnev:w7	friends gets on r's nerves	Categ
8	R8FGETNEV	r8fgetnev:w8	friends gets on r's nerves	Categ

9	R9FGETNEV	r9fgetnev:w9	friends gets on r's nerves	Categ
1	S1FGETNEV	s1fgetnev:w1	friends gets on s's nerves	Categ
2	S2FGETNEV	s2fgetnev:w2	friends gets on s's nerves	Categ
3	S3FGETNEV	s3fgetnev:w3	friends gets on s's nerves	Categ
4	S4FGETNEV	s4fgetnev:w4	friends gets on s's nerves	Categ
5	S5FGETNEV	s5fgetnev:w5	friends gets on s's nerves	Categ
6	S6FGETNEV	s6fgetnev:w6	friends gets on s's nerves	Categ
7	S7FGETNEV	s7fgetnev:w7	friends gets on s's nerves	Categ
8	S8FGETNEV	s8fgetnev:w8	friends gets on s's nerves	Categ
9	S9FGETNEV	s9fgetnev:w9	friends gets on s's nerves	Categ
1	R1FSUPPORT6	r1fsupport6:w1	r's lack of friends support 6-item score	Categ
2	R2FSUPPORT6	r2fsupport6:w2	r's lack of friends support 6-item score	Categ
3	R3FSUPPORT6	r3fsupport6:w3	r's lack of friends support 6-item score	Categ
4	R4FSUPPORT6	r4fsupport6:w4	r's lack of friends support 6-item score	Categ
5	R5FSUPPORT6	r5fsupport6:w5	r's lack of friends support 6-item score	Categ
6	R6FSUPPORT6	r6fsupport6:w6	r's lack of friends support 6-item score	Categ
7	R7FSUPPORT6	r7fsupport6:w7	r's lack of friends support 6-item score	Categ
8	R8FSUPPORT6	r8fsupport6:w8	r's lack of friends support 6-item score	Categ
9	R9FSUPPORT6	r9fsupport6:w9	r's lack of friends support 6-item score	Categ
1	S1FSUPPORT6	s1fsupport6:w1	s's lack of friends support 6-item score	Categ
2	S2FSUPPORT6	s2fsupport6:w2	s's lack of friends support 6-item score	Categ
3	S3FSUPPORT6	s3fsupport6:w3	s's lack of friends support 6-item score	Categ
4	S4FSUPPORT6	s4fsupport6:w4	s's lack of friends support 6-item score	Categ
5	S5FSUPPORT6	s5fsupport6:w5	s's lack of friends support 6-item score	Categ
6	S6FSUPPORT6	s6fsupport6:w6	s's lack of friends support 6-item score	Categ
7	S7FSUPPORT6	s7fsupport6:w7	s's lack of friends support 6-item score	Categ
8	S8FSUPPORT6	s8fsupport6:w8	s's lack of friends support 6-item score	Categ
9	S9FSUPPORT6	s9fsupport6:w9	s's lack of friends support 6-item score	Categ
1	R1FSUPPORT6M	r1fsupport6m:w1	missings in r's lack of friends support 6-it	Categ
2	R2FSUPPORT6M	r2fsupport6m:w2	missings in r's lack of friends support 6-it	Categ
3	R3FSUPPORT6M	r3fsupport6m:w3	missings in r's lack of friends support 6-it	Categ
4	R4FSUPPORT6M	r4fsupport6m:w4	missings in r's lack of friends support 6-it	Categ
5	R5FSUPPORT6M	r5fsupport6m:w5	missings in r's lack of friends support 6-it	Categ
6	R6FSUPPORT6M	r6fsupport6m:w6	missings in r's lack of friends support 6-it	Categ
7	R7FSUPPORT6M	r7fsupport6m:w7	missings in r's lack of friends support 6-it	Categ
8	R8FSUPPORT6M	r8fsupport6m:w8	missings in r's lack of friends support 6-it	Categ
9	R9FSUPPORT6M	r9fsupport6m:w9	missings in r's lack of friends support 6-it	Categ
1	S1FSUPPORT6M	s1fsupport6m:w1	missings in s's lack of friends support 6-it	Categ
2	S2FSUPPORT6M	s2fsupport6m:w2	missings in s's lack of friends support 6-it	Categ
3	S3FSUPPORT6M	s3fsupport6m:w3	missings in s's lack of friends support 6-it	Categ
4	S4FSUPPORT6M	s4fsupport6m:w4	missings in s's lack of friends support 6-it	Categ
5	S5FSUPPORT6M	s5fsupport6m:w5	missings in s's lack of friends support 6-it	Categ
6	S6FSUPPORT6M	s6fsupport6m:w6	missings in s's lack of friends support 6-it	Categ
7	S7FSUPPORT6M	s7fsupport6m:w7	missings in s's lack of friends support 6-it	Categ
8	S8FSUPPORT6M	s8fsupport6m:w8	missings in s's lack of friends support 6-it	Categ
9	S9FSUPPORT6M	s9fsupport6m:w9	missings in s's lack of friends support 6-it	Categ
5	R5FSUPPORT	r5fsupport:w5	r's lack of friends support 7-item score	Categ
6	R6FSUPPORT	r6fsupport:w6	r's lack of friends support 7-item score	Categ
7	R7FSUPPORT	r7fsupport:w7	r's lack of friends support 7-item score	Categ
8	R8FSUPPORT	r8fsupport:w8	r's lack of friends support 7-item score	Categ
9	R9FSUPPORT	r9fsupport:w9	r's lack of friends support 7-item score	Categ
5	S5FSUPPORT	s5fsupport:w5	s's lack of friends support 7-item score	Categ
6	S6FSUPPORT	s6fsupport:w6	s's lack of friends support 7-item score	Categ
7	S7FSUPPORT	s7fsupport:w7	s's lack of friends support 7-item score	Categ
8	S8FSUPPORT	s8fsupport:w8	s's lack of friends support 7-item score	Categ
9	S9FSUPPORT	s9fsupport:w9	s's lack of friends support 7-item score	Categ

5	R5FSUPPORTM	r5fsupportm:w5	missings in r's lack of friends support	7-ite	Categ
6	R6FSUPPORTM	r6fsupportm:w6	missings in r's lack of friends support	7-ite	Categ
7	R7FSUPPORTM	r7fsupportm:w7	missings in r's lack of friends support	7-ite	Categ
8	R8FSUPPORTM	r8fsupportm:w8	missings in r's lack of friends support	7-ite	Categ
9	R9FSUPPORTM	r9fsupportm:w9	missings in r's lack of friends support	7-ite	Categ
5	S5FSUPPORTM	s5fsupportm:w5	missings in s's lack of friends support	7-ite	Categ
6	S6FSUPPORTM	s6fsupportm:w6	missings in s's lack of friends support	7-ite	Categ
7	S7FSUPPORTM	s7fsupportm:w7	missings in s's lack of friends support	7-ite	Categ
8	S8FSUPPORTM	s8fsupportm:w8	missings in s's lack of friends support	7-ite	Categ
9	S9FSUPPORTM	s9fsupportm:w9	missings in s's lack of friends support	7-ite	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1FUSTDFE	9915	1.88	0.79	1.00	4.00
R2FUSTDFE	7767	1.87	0.77	1.00	4.00
R3FUSTDFE	7667	1.85	0.76	1.00	4.00
R4FUSTDFE	8680	1.88	0.77	1.00	4.00
R5FUSTDFE	8307	1.89	0.77	1.00	4.00
R6FUSTDFE	8306	1.90	0.78	1.00	4.00
R7FUSTDFE	7548	1.83	0.76	1.00	4.00
R8FUSTDFE	6625	1.88	0.78	1.00	4.00
R9FUSTDFE	6944	1.88	0.78	1.00	4.00
S1FUSTDFE	6831	1.94	0.79	1.00	4.00
S2FUSTDFE	5342	1.92	0.77	1.00	4.00
S3FUSTDFE	5245	1.89	0.75	1.00	4.00
S4FUSTDFE	6076	1.92	0.76	1.00	4.00
S5FUSTDFE	5744	1.94	0.77	1.00	4.00
S6FUSTDFE	5787	1.95	0.78	1.00	4.00
S7FUSTDFE	5225	1.89	0.76	1.00	4.00
S8FUSTDFE	4523	1.93	0.78	1.00	4.00
S9FUSTDFE	4656	1.93	0.78	1.00	4.00
R1FRELY	9932	1.74	0.86	1.00	4.00
R2FRELY	7780	1.72	0.84	1.00	4.00
R3FRELY	7668	1.62	0.79	1.00	4.00
R4FRELY	8676	1.70	0.82	1.00	4.00
R5FRELY	8316	1.72	0.84	1.00	4.00
R6FRELY	8308	1.73	0.84	1.00	4.00
R7FRELY	7547	1.65	0.79	1.00	4.00
R8FRELY	6631	1.73	0.83	1.00	4.00
R9FRELY	6948	1.72	0.83	1.00	4.00
S1FRELY	6836	1.77	0.86	1.00	4.00
S2FRELY	5350	1.74	0.84	1.00	4.00
S3FRELY	5249	1.64	0.79	1.00	4.00
S4FRELY	6073	1.72	0.81	1.00	4.00
S5FRELY	5747	1.74	0.83	1.00	4.00
S6FRELY	5793	1.76	0.84	1.00	4.00
S7FRELY	5228	1.68	0.79	1.00	4.00
S8FRELY	4528	1.76	0.84	1.00	4.00
S9FRELY	4657	1.75	0.83	1.00	4.00
R1FOPENUP	9917	1.95	0.92	1.00	4.00
R2FOPENUP	7769	1.93	0.90	1.00	4.00
R3FOPENUP	7660	1.87	0.88	1.00	4.00
R4FOPENUP	8678	1.93	0.88	1.00	4.00
R5FOPENUP	8306	1.95	0.89	1.00	4.00
R6FOPENUP	8300	1.97	0.91	1.00	4.00

R7FOPENUP	7539	1.91	0.87	1.00	4.00
R8FOPENUP	6631	1.94	0.88	1.00	4.00
R9FOPENUP	6928	1.93	0.89	1.00	4.00
S1FOPENUP	6835	2.00	0.92	1.00	4.00
S2FOPENUP	5345	1.98	0.91	1.00	4.00
S3FOPENUP	5242	1.92	0.88	1.00	4.00
S4FOPENUP	6073	1.98	0.89	1.00	4.00
S5FOPENUP	5744	1.99	0.89	1.00	4.00
S6FOPENUP	5783	2.03	0.91	1.00	4.00
S7FOPENUP	5222	1.96	0.87	1.00	4.00
S8FOPENUP	4524	2.00	0.89	1.00	4.00
S9FOPENUP	4642	1.99	0.89	1.00	4.00
R5FDEMAND	8269	3.70	0.59	1.00	4.00
R6FDEMAND	8267	3.71	0.59	1.00	4.00
R7FDEMAND	7530	3.70	0.59	1.00	4.00
R8FDEMAND	6621	3.72	0.57	1.00	4.00
R9FDEMAND	6923	3.73	0.56	1.00	4.00
S5FDEMAND	5713	3.71	0.57	1.00	4.00
S6FDEMAND	5764	3.71	0.58	1.00	4.00
S7FDEMAND	5216	3.71	0.57	1.00	4.00
S8FDEMAND	4517	3.73	0.56	1.00	4.00
S9FDEMAND	4639	3.74	0.55	1.00	4.00
R1FCRITZE	9619	3.37	0.71	1.00	4.00
R2FCRITZE	7588	3.37	0.70	1.00	4.00
R3FCRITZE	7519	3.37	0.71	1.00	4.00
R4FCRITZE	8567	3.39	0.70	1.00	4.00
R5FCRITZE	8178	3.43	0.69	1.00	4.00
R6FCRITZE	8174	3.47	0.68	1.00	4.00
R7FCRITZE	7447	3.47	0.68	1.00	4.00
R8FCRITZE	6548	3.48	0.68	1.00	4.00
R9FCRITZE	6848	3.49	0.67	1.00	4.00
S1FCRITZE	6644	3.37	0.70	1.00	4.00
S2FCRITZE	5234	3.38	0.68	1.00	4.00
S3FCRITZE	5157	3.39	0.69	1.00	4.00
S4FCRITZE	5996	3.40	0.69	1.00	4.00
S5FCRITZE	5663	3.45	0.67	1.00	4.00
S6FCRITZE	5711	3.49	0.66	1.00	4.00
S7FCRITZE	5161	3.49	0.65	1.00	4.00
S8FCRITZE	4475	3.50	0.67	1.00	4.00
S9FCRITZE	4601	3.51	0.65	1.00	4.00
R1FLETDO	9791	3.48	0.76	1.00	4.00
R2FLETDO	7694	3.49	0.76	1.00	4.00
R3FLETDO	7591	3.49	0.76	1.00	4.00
R4FLETDO	8614	3.48	0.77	1.00	4.00
R5FLETDO	8248	3.53	0.75	1.00	4.00
R6FLETDO	8246	3.56	0.72	1.00	4.00
R7FLETDO	7495	3.53	0.74	1.00	4.00
R8FLETDO	6598	3.55	0.71	1.00	4.00
R9FLETDO	6901	3.57	0.70	1.00	4.00
S1FLETDO	6741	3.47	0.76	1.00	4.00
S2FLETDO	5296	3.49	0.75	1.00	4.00
S3FLETDO	5200	3.50	0.75	1.00	4.00
S4FLETDO	6032	3.48	0.75	1.00	4.00
S5FLETDO	5702	3.53	0.74	1.00	4.00
S6FLETDO	5754	3.57	0.71	1.00	4.00
S7FLETDO	5195	3.55	0.71	1.00	4.00

S8FLETDOW	4501	3.56	0.70	1.00	4.00
S9FLETDOW	4632	3.57	0.69	1.00	4.00
R1FGETNEV	9856	3.47	0.66	1.00	4.00
R2FGETNEV	7731	3.48	0.65	1.00	4.00
R3FGETNEV	7620	3.47	0.65	1.00	4.00
R4FGETNEV	8653	3.46	0.64	1.00	4.00
R5FGETNEV	8276	3.47	0.65	1.00	4.00
R6FGETNEV	8265	3.48	0.64	1.00	4.00
R7FGETNEV	7525	3.46	0.65	1.00	4.00
R8FGETNEV	6622	3.47	0.65	1.00	4.00
R9FGETNEV	6924	3.48	0.64	1.00	4.00
S1FGETNEV	6789	3.45	0.65	1.00	4.00
S2FGETNEV	5326	3.46	0.64	1.00	4.00
S3FGETNEV	5214	3.45	0.64	1.00	4.00
S4FGETNEV	6053	3.45	0.63	1.00	4.00
S5FGETNEV	5720	3.47	0.64	1.00	4.00
S6FGETNEV	5762	3.46	0.63	1.00	4.00
S7FGETNEV	5213	3.45	0.64	1.00	4.00
S8FGETNEV	4517	3.46	0.63	1.00	4.00
S9FGETNEV	4641	3.48	0.63	1.00	4.00
R1FSUPPORT6	9963	1.71	0.49	1.00	4.00
R2FSUPPORT6	7814	1.70	0.49	1.00	4.00
R3FSUPPORT6	7690	1.67	0.48	1.00	4.00
R4FSUPPORT6	8705	1.70	0.48	1.00	4.00
R5FSUPPORT6	8338	1.69	0.47	1.00	4.00
R6FSUPPORT6	7312	1.68	0.47	1.00	4.00
R7FSUPPORT6	6543	1.65	0.46	1.00	3.67
R8FSUPPORT6	5751	1.67	0.47	1.00	3.83
R9FSUPPORT6	5891	1.66	0.47	1.00	3.67
S1FSUPPORT6	6855	1.74	0.49	1.00	4.00
S2FSUPPORT6	5370	1.72	0.49	1.00	4.00
S3FSUPPORT6	5256	1.69	0.47	1.00	4.00
S4FSUPPORT6	6086	1.72	0.47	1.00	3.67
S5FSUPPORT6	5760	1.71	0.47	1.00	4.00
S6FSUPPORT6	4815	1.71	0.47	1.00	3.67
S7FSUPPORT6	4264	1.67	0.46	1.00	3.67
S8FSUPPORT6	3672	1.69	0.47	1.00	3.83
S9FSUPPORT6	3640	1.69	0.46	1.00	3.67
R1FSUPPORT6M	12099	1.12	2.29	0.00	6.00
R2FSUPPORT6M	9432	1.09	2.27	0.00	6.00
R3FSUPPORT6M	9766	1.32	2.45	0.00	6.00
R4FSUPPORT6M	11050	1.31	2.45	0.00	6.00
R5FSUPPORT6M	10274	1.17	2.35	0.00	6.00
R6FSUPPORT6M	10601	1.32	2.46	0.00	6.00
R7FSUPPORT6M	9666	1.33	2.47	0.00	6.00
R8FSUPPORT6M	8445	1.30	2.45	0.00	6.00
R9FSUPPORT6M	8736	1.25	2.41	0.00	6.00
S1FSUPPORT6M	8070	0.96	2.15	0.00	6.00
S2FSUPPORT6M	6178	0.84	2.03	0.00	6.00
S3FSUPPORT6M	6382	1.10	2.29	0.00	6.00
S4FSUPPORT6M	7402	1.10	2.29	0.00	6.00
S5FSUPPORT6M	6964	1.07	2.27	0.00	6.00
S6FSUPPORT6M	7242	1.22	2.39	0.00	6.00
S7FSUPPORT6M	6560	1.24	2.41	0.00	6.00
S8FSUPPORT6M	5688	1.24	2.41	0.00	6.00
S9FSUPPORT6M	5820	1.22	2.39	0.00	6.00

R5FSUPPORT	8340	1.64	0.44	1.00	4.00
R6FSUPPORT	7312	1.63	0.44	1.00	4.00
R7FSUPPORT	6543	1.60	0.43	1.00	3.67
R8FSUPPORT	5752	1.61	0.44	1.00	3.71
R9FSUPPORT	5891	1.61	0.44	1.00	3.71
S5FSUPPORT	5762	1.65	0.43	1.00	4.00
S6FSUPPORT	4815	1.65	0.43	1.00	3.67
S7FSUPPORT	4264	1.62	0.42	1.00	3.43
S8FSUPPORT	3672	1.63	0.43	1.00	3.71
S9FSUPPORT	3640	1.62	0.43	1.00	3.71
R5FSUPPORTM	10274	1.36	2.74	0.00	7.00
R6FSUPPORTM	10601	1.54	2.87	0.00	7.00
R7FSUPPORTM	9666	1.56	2.88	0.00	7.00
R8FSUPPORTM	8445	1.52	2.86	0.00	7.00
R9FSUPPORTM	8736	1.46	2.82	0.00	7.00
S5FSUPPORTM	6964	1.25	2.65	0.00	7.00
S6FSUPPORTM	7242	1.43	2.79	0.00	7.00
S7FSUPPORTM	6560	1.44	2.81	0.00	7.00
S8FSUPPORTM	5688	1.45	2.81	0.00	7.00
S9FSUPPORTM	5820	1.42	2.79	0.00	7.00

### Categorical Variable Codes

Value-----	R1FUSTDFE	R2FUSTDFE	R3FUSTDFE	R4FUSTDFE	R5FUSTDFE
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	502	204	170	191	191
.n:no friends	574	389	402	471	532
1.a lot	3551	2720	2756	2987	2798
2.some	4199	3473	3484	3944	3798
3.a little	1949	1420	1285	1580	1535
4.not at all	216	154	142	169	176

Value-----	R6FUSTDFE	R7FUSTDFE	R8FUSTDFE	R9FUSTDFE
.c:not in self-completion m	1620	1481	1231	1236
.m:Missing	113	133	99	49
.n:no friends	562	504	490	452
.r:Refuse				55
1.a lot	2790	2767	2301	2423
2.some	3784	3410	2969	3097
3.a little	1530	1229	1208	1257
4.not at all	202	142	147	167

Value-----	S1FUSTDFE	S2FUSTDFE	S3FUSTDFE	S4FUSTDFE	S5FUSTDFE
.c:not in self-completion m	530	452	769	890	751
.m:Missing	340	136	106	121	125
.n:no friends	369	248	264	315	344
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	2185	1685	1697	1893	1751
2.some	3016	2488	2525	2884	2711
3.a little	1464	1059	918	1184	1154
4.not at all	166	110	105	115	128

Value-----	S6FUSTDFE	S7FUSTDFE	S8FUSTDFE	S9FUSTDFE
.c:not in self-completion m	1014	914	769	791
.m:Missing	58	79	59	30
.n:no friends	383	342	337	315
.r:Refuse				28
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.a lot	1741	1741	1420	1455
2.some	2742	2446	2087	2179
3.a little	1150	935	910	908

4.not at all	154	103	106	114	
Value-----	R1FRELY	R2FRELY	R3FRELY	R4FRELY	R5FRELY
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	485	191	169	195	182
.n:no friends	574	389	402	471	532
1.a lot	4902	3893	4189	4375	4133
2.some	3112	2427	2337	2812	2675
3.a little	1526	1198	972	1248	1232
4.not at all	392	262	170	241	276
Value-----	R6FRELY	R7FRELY	R8FRELY	R9FRELY	
.c:not in self-completion m	1617	1483	1231	1237	
.m:Missing	114	132	93	49	
.n:no friends	562	504	490	452	
.r:Refuse				50	
1.a lot	4043	3940	3239	3420	
2.some	2721	2470	2188	2294	
3.a little	1252	946	985	1001	
4.not at all	292	191	219	233	
Value-----	S1FRELY	S2FRELY	S3FRELY	S4FRELY	S5FRELY
.c:not in self-completion m	530	452	769	890	751
.m:Missing	335	128	102	124	122
.n:no friends	369	248	264	315	344
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	3230	2589	2791	2954	2747
2.some	2244	1749	1663	2041	1919
3.a little	1087	840	684	921	905
4.not at all	275	172	111	157	176
Value-----	S6FRELY	S7FRELY	S8FRELY	S9FRELY	
.c:not in self-completion m	1011	916	769	792	
.m:Missing	55	74	54	30	
.n:no friends	383	342	337	315	
.r:Refuse				26	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	2693	2608	2128	2181	
2.some	1972	1794	1529	1614	
3.a little	929	696	713	713	
4.not at all	199	130	158	149	
Value-----	R1FOPENUP	R2FOPENUP	R3FOPENUP	R4FOPENUP	R5FOPENUP
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	500	202	177	193	192
.n:no friends	574	389	402	471	532
1.a lot	3818	3006	3135	3284	3107
2.some	3391	2721	2709	3130	2985
3.a little	2083	1599	1467	1836	1767
4.not at all	625	443	349	428	447
Value-----	R6FOPENUP	R7FOPENUP	R8FOPENUP	R9FOPENUP	
.c:not in self-completion m	1620	1484	1231	1240	
.m:Missing	119	139	93	49	
.n:no friends	562	504	490	452	
.r:Refuse				67	
1.a lot	3019	2887	2452	2631	
2.some	3008	2839	2435	2506	
3.a little	1761	1450	1405	1420	
4.not at all	512	363	339	371	
Value-----	S1FOPENUP	S2FOPENUP	S3FOPENUP	S4FOPENUP	S5FOPENUP
.c:not in self-completion m	530	452	769	890	751
.m:Missing	336	133	109	124	125
.n:no friends	369	248	264	315	344
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	2408	1926	2000	2146	1977
2.some	2436	1928	1922	2220	2161



3.a little	1540	1167	1075	1402	1284
4.not at all	451	324	245	305	322
Value-----	S6FOPENUP	S7FOPENUP	S8FOPENUP	S9FOPENUP	
.c:not in self-completion m	1014	917	769	795	
.m:Missing	62	79	58	30	
.n:no friends	383	342	337	315	
.r:Refuse				38	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	1929	1830	1539	1615	
2.some	2140	2048	1683	1729	
3.a little	1322	1068	1047	1031	
4.not at all	392	276	255	267	
Value-----					R5FDEMAND
.c:not in self-completion m					1244
.m:Missing					229
.n:no friends					532
1.a lot					50
2.some					445
3.a little					1434
4.not at all					6340
Value-----	R6FDEMAND	R7FDEMAND	R8FDEMAND	R9FDEMAND	
.c:not in self-completion m	1620	1485	1233	1238	
.m:Missing	152	147	101	49	
.n:no friends	562	504	490	452	
.r:Refuse				74	
1.a lot	55	48	35	34	
2.some	401	373	313	303	
3.a little	1432	1357	1115	1156	
4.not at all	6379	5752	5158	5430	
Value-----					S5FDEMAND
.c:not in self-completion m					751
.m:Missing					156
.n:no friends					344
.u:Unmar					2742
.v:SP NR					568
1.a lot					27
2.some					266
3.a little					1018
4.not at all					4402
Value-----	S6FDEMAND	S7FDEMAND	S8FDEMAND	S9FDEMAND	
.c:not in self-completion m	1014	917	771	793	
.m:Missing	81	85	63	30	
.n:no friends	383	342	337	315	
.r:Refuse				43	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	28	28	16	18	
2.some	287	226	207	200	
3.a little	1015	972	777	775	
4.not at all	4434	3990	3517	3646	
Value-----	R1FCRITZE	R2FCRITZE	R3FCRITZE	R4FCRITZE	R5FCRITZE
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	798	383	318	304	320
.n:no friends	574	389	402	471	532
1.a lot	98	50	67	64	56
2.some	1027	799	821	903	806
3.a little	3733	2998	2880	3249	2922
4.not at all	4761	3741	3751	4351	4394
Value-----	R6FCRITZE	R7FCRITZE	R8FCRITZE	R9FCRITZE	
.c:not in self-completion m	1624	1489	1237	1245	
.m:Missing	241	226	170	49	
.n:no friends	562	504	490	452	
.r:Refuse				142	

1.a lot	52	49	40	34	
2.some	711	623	558	584	
3.a little	2783	2558	2147	2230	
4.not at all	4628	4217	3803	4000	
Value-----	S1FCRITZE	S2FCRITZE	S3FCRITZE	S4FCRITZE	S5FCRITZE
.c:not in self-completion m	530	452	769	890	751
.m:Missing	527	244	194	201	206
.n:no friends	369	248	264	315	344
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	59	26	31	33	28
2.some	689	515	529	599	479
3.a little	2639	2112	2003	2322	2071
4.not at all	3257	2581	2594	3042	3085
Value-----	S6FCRITZE	S7FCRITZE	S8FCRITZE	S9FCRITZE	
.c:not in self-completion m	1017	921	774	798	
.m:Missing	131	136	102	30	
.n:no friends	383	342	337	315	
.r:Refuse				76	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	27	23	24	18	
2.some	446	377	359	354	
3.a little	1940	1807	1458	1487	
4.not at all	3298	2954	2634	2742	
Value-----	R1FLETDOW	R2FLETDOW	R3FLETDOW	R4FLETDOW	R5FLETDOW
.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	626	277	246	257	250
.n:no friends	574	389	402	471	532
1.a lot	221	166	181	184	172
2.some	963	773	728	895	768
3.a little	2489	1855	1843	2163	1860
4.not at all	6118	4900	4839	5372	5448
Value-----	R6FLETDOW	R7FLETDOW	R8FLETDOW	R9FLETDOW	
.c:not in self-completion m	1618	1485	1235	1238	
.m:Missing	175	182	122	49	
.n:no friends	562	504	490	452	
.r:Refuse				96	
1.a lot	143	151	109	99	
2.some	670	647	540	535	
3.a little	1864	1747	1536	1600	
4.not at all	5569	4950	4413	4667	
Value-----	S1FLETDOW	S2FLETDOW	S3FLETDOW	S4FLETDOW	S5FLETDOW
.c:not in self-completion m	530	452	769	890	751
.m:Missing	430	182	151	165	167
.n:no friends	369	248	264	315	344
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	150	103	108	113	106
2.some	679	528	487	623	517
3.a little	1770	1345	1326	1572	1304
4.not at all	4142	3320	3279	3724	3775
Value-----	S6FLETDOW	S7FLETDOW	S8FLETDOW	S9FLETDOW	
.c:not in self-completion m	1011	918	772	793	
.m:Missing	94	105	78	30	
.n:no friends	383	342	337	315	
.r:Refuse				50	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	91	82	69	62	
2.some	452	429	356	364	
3.a little	1324	1249	1063	1078	
4.not at all	3887	3435	3013	3128	
Value-----	R1FGETNEV	R2FGETNEV	R3FGETNEV	R4FGETNEV	R5FGETNEV

.c:not in self-completion m	1108	1072	1527	1708	1244
.m:Missing	561	240	217	218	222
.n:no friends	574	389	402	471	532
1.a lot	73	37	46	43	51
2.some	675	544	528	595	562
3.a little	3686	2813	2877	3334	3068
4.not at all	5422	4337	4169	4681	4595
Value-----	R6FGETNEV	R7FGETNEV	R8FGETNEV	R9FGETNEV	
.c:not in self-completion m	1620	1481	1233	1238	
.m:Missing	154	156	100	49	
.n:no friends	562	504	490	452	
.r:Refuse				73	
1.a lot	45	47	37	40	
2.some	532	530	445	434	
3.a little	3108	2882	2497	2604	
4.not at all	4580	4066	3643	3846	
Value-----	S1FGETNEV	S2FGETNEV	S3FGETNEV	S4FGETNEV	S5FGETNEV
.c:not in self-completion m	530	452	769	890	751
.m:Missing	382	152	137	144	149
.n:no friends	369	248	264	315	344
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.a lot	42	18	25	26	26
2.some	470	362	356	382	385
3.a little	2697	2072	2080	2462	2181
4.not at all	3580	2874	2753	3183	3128
Value-----	S6FGETNEV	S7FGETNEV	S8FGETNEV	S9FGETNEV	
.c:not in self-completion m	1014	914	771	793	
.m:Missing	83	91	63	30	
.n:no friends	383	342	337	315	
.r:Refuse				41	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.a lot	26	27	16	20	
2.some	361	343	297	277	
3.a little	2287	2089	1797	1821	
4.not at all	3088	2754	2407	2523	

## How Constructed

RwFUSTDFE indicates how much the respondent feels their friends really understand the way they feel about things.

RwFRELY indicates how much the respondent feels they can rely on their friends if they have a serious problem.

RwFOPENUP indicates how much the respondent feels they can open up to their friends when they need to talk about their worries.

RwFDEMAND indicates how often the respondent feels their friends make too many demands on them.

RwFCRITZE indicates how much the respondent feels their friends criticize them.

RwFLETDOW indicates how much the respondent feels their friends let them down when they are counting on them.

RwFGETNEV indicates how much the respondent feels their friends get on their nerves.

RwFUSTDFE, RwFRELY, RwFOPENUP, RwFDEMAND, RwFCRITZE, RwFLETDOW and RwFGETNEV are coded as follows: 1. a lot, 2. some, 3. a little and 4. not at all. Special missing .n is assigned if the respondent indicates they did not have any friends. Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Special missing .m is assigned if their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwFUSTDFE, SwFRELY, SwFOPENUP, SwFDEMAND, SwFCRITZE, SwFLETDOW and SwFGETNEV indicate the current wave's spouse's feelings about statements about their friends and are taken from the spouse's values to RwfUSTDFE, RwfFRELY, RwfOPENUP, RwfDEMAND, RwfCRITZE, RwfLETDOW and RwfGETNEV. In addition to the special missing codes used in RwfUSTDFE, RwfFRELY, RwfOPENUP, RwfDEMAND, RwfCRITZE, RwfLETDOW and RwfGETNEV, SwFUSTDFE, SwFRELY, SwFOPENUP, SwFDEMAND, SwFCRITZE, SwFLETDOW and SwFGETNEV employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwFSUPPORT6 indicates the mean of the six different friends questions (RwfUSTDFE, RwfFRELY, RwfOPENUP, RwfCRITZE, RwfLETDOW and RwfGETNEV) and can be used as a summary score. RwFSUPPORT6 is calculated for any respondent with at least one non-missing value for its six components. Since RwFSUPPORT6 indicates how much the respondent feels a lack of support from their friends, we reverse coded the values of RwfCRITZE, RwfLETDOW and RwfGETNEV to make sure that higher scores indicate less support that the respondent feels from their friends. The coding of RwfUSTDFE, RwfFRELY and RwfOPENUP did not change. RwFSUPPORT6M counts the number of components with missing values in RwFSUPPORT6, which could be between no missing components (0) and six missing components (6). Special missing .n is assigned if the respondent has no friends. Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Special missing .m is assigned if their responses for all 6 components are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwFSUPPORT6 and SwFSUPPORT6M indicate the mean summary score of six different friends support questions and the count of any missing components for the current wave's spouse and are taken from the spouse's values to RwfSUPPORT6 and RwfSUPPORT6M. In addition to the special missing codes used in RwfSUPPORT6 and RwfSUPPORT6M, SwFSUPPORT6 and SwFSUPPORT6M employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwFSUPPORT indicates the mean of the seven different friends questions (RwfUSTDFE, RwfFRELY, RwfOPENUP, RwfDEMAND, RwfCRITZE, RwfLETDOW and RwfGETNEV) and can be used as a summary score. RwFSUPPORT is calculated for any respondent with at least one non-missing value for its seven components. Since RwFSUPPORT indicates how much the respondent feels a lack of support from their friends, we reverse coded the values of RwfDEMAND, RwfCRITZE, RwfLETDOW and RwfGETNEV to make sure that higher scores indicate less support that the respondent feels from their friends. The coding of RwfUSTDFE, RwfFRELY and RwfOPENUP did not change. RwFSUPPORTM counts the number of components with missing values in RwFSUPPORT, which could be between no missing components (0) and seven missing components (7). Special missing .n is assigned if the respondent has no friends. Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Special missing .m is assigned if their responses for all 7 components are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwFSUPPORT and SwFSUPPORTM indicate the mean summary score of seven different friends support questions and the count of any missing components for the current wave's spouse and are taken from the spouse's values to RwfSUPPORT and RwfSUPPORTM. In addition to the special missing codes used in RwfSUPPORT and RwfSUPPORTM, SwFSUPPORT and SwFSUPPORTM employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

ELSA starts to ask respondents about how often they feel their friends make too many demands on them in Wave 5; therefore, RwFSUPPORT becomes available in Wave 5.

## Differences with the RAND HRS/Harmonized HRS

No differences known.

## ELSA Variables Used

## Index File:

OUTSCW1 wave 1 self-completion outcome  
 OUTSCW2 wave 2 self-completion outcome  
 OUTSCW3 wave 3 core self-completion outcome  
 OUTSCW4 outcome of wave 4 core self completion questionnaire  
 OUTSCW5 outcome of core wave 5 self-completion questionnaire

## Wave 1 Core:

SCFRD do you have any friends  
 SCFRDA how much do your friends really understand the way you  
 SCFRDB how much can you rely on them if you have a serious pro  
 SCFRDC how much can you open up to them if you need to talk abo  
 SCFRDD how much do they criticise you?  
 SCFRDE how much do they let you down when you are counting on  
 SCFRDF how much do they get on your nerves?

## Wave 2 Core:

SCFRD Whether the respondent has any friends  
 SCFRDA How much these friends understand how respondent feels a  
 SCFRDB How much respondent can rely on these friends if they ha  
 SCFRDC How much respondent can open up to these friends if they  
 SCFRDD How much these friends criticise the respondent  
 SCFRDE How much these friends let the respondent down  
 SCFRDF How much these friends get on the nerves of the responde

## Wave 3 Core:

SCFRD whether the respondent has any friends  
 SCFRDA how much these friends understand how respondent feels a  
 SCFRDB how much respondent can rely on these friends if they ha  
 SCFRDC how much respondent can open up to these friends if they  
 SCFRDD how much these friends criticise the respondent  
 SCFRDE how much these friends let the respondent down  
 SCFRDF how much these friends get on the nerves of the responde

## Wave 4 Core:

SCFRD whether the respondent has any friends  
 SCFRDA how much these friends understand how respondent feels a  
 SCFRDB how much respondent can rely on these friends if they ha  
 SCFRDC how much respondent can open up to these friends if they  
 SCFRDD how much these friends criticise the respondent  
 SCFRDE how much these friends let the respondent down  
 SCFRDF how much these friends get on the nerves of the responde

## Wave 5 Core:

SCFRD Whether the respondent has any friends  
 SCFRDA How much these friends understand how respondent feels a  
 SCFRDB How much respondent can rely on these friends if they ha  
 SCFRDC How much respondent can open up to these friends if they  
 SCFRDD How much these friends criticise the respondent  
 SCFRDE How much these friends let the respondent down  
 SCFRDF How much these friends get on the nerves of the responde

## Wave 6 Core:

Q29G how often these friends make too many demands of the res  
 SCFRD whether the respondent has any friends  
 SCFRDA how much these friends understand how respondent feels a  
 SCFRDB how much respondent can rely on these friends if they ha  
 SCFRDC how much respondent can open up to these friends if they  
 SCFRDD how much these friends criticise the respondent  
 SCFRDE how much these friends let the respondent down  
 SCFRDF how much these friends get on the nerves of the responde

## Wave 7 Core:

SCFRD whether the respondent has any friends  
 SCFRDA how much these friends understand how respondent feels a  
 SCFRDB how much respondent can rely on these friends if they ha  
 SCFRDC how much respondent can open up to these friends if they  
 SCFRDD how much these friends criticise the respondent  
 SCFRDE how much these friends let the respondent down  
 SCFRDF how much these friends get on the nerves of the responde

SCFRDG            how often these friends make too many demands on the par  
Wave 8 Core:  
SCFRD            whether the respondent has any friends  
SCFRDA           how much respondent's friends understand the way they fe  
SCFRDB           how much respondent can rely on their friends if they ha  
SCFRDC           how much respondent can open up to their friends if they  
SCFRDD           how much their friends criticise the respondent  
SCFRDE           how much their friends let the respondent down  
SCFRDF           how much their friends get on the respondent's nerves  
SCFRDG           how often their friends make too many demands on the res  
Wave 9 Core:  
SCFRD            Whether the respondent has any friends  
SCFRDA           How much respondent's friends understand the way they fe  
SCFRDB           How much respondent can rely on their friends if they ha  
SCFRDC           How much respondent can open up to their friends if they  
SCFRDD           How much their friends criticise the respondent  
SCFRDE           How much their friends let the respondent down  
SCFRDF           How much their friends get on the respondent's nerves  
SCFRDG           How often their friends make too many demands on the res

<b>Everyday Discrimination</b>
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Wave	Variable	Label	Type
5	R5LSRSPCT	r5lsrspct:w5 r was treated with less courtesy or respect	Categ
5	S5LSRSPCT	s5lsrspct:w5 s was treated with less courtesy or respect	Categ
5	R5PRSRVC	r5prsrvc:w5 r received poorer service than other people at r	Categ
5	S5PRSRVC	s5prsrvc:w5 s received poorer service than other people at r	Categ
5	R5NOTSMRT	r5notsmrt:w5 people act as if r is not clever	Categ
5	S5NOTSMRT	s5notsmrt:w5 people act as if s is not clever	Categ
5	R5HARASS	r5harass:w5 r was threatened or harassed	Categ
5	S5HARASS	s5harass:w5 s was threatened or harassed	Categ
5	R5PRTRMT	r5prtrmt:w5 r received poorer service from doctors or hospit	Categ
5	S5PRTRMT	s5prtrmt:w5 s received poorer service from doctors or hospit	Categ
5	R5DSCRIM5	r5dscrim5:w5 r's discrimination summary mean score	Cont
5	S5DSCRIM5	s5dscrim5:w5 s's discrimination summary mean score	Cont
5	R5DSCRIM5M	r5dscrim5m:w5 missings in r's discrimination summary mean sc	Cont
5	S5DSCRIM5M	s5dscrim5m:w5 missings in s's discrimination summary mean sc	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R5LSRSPCT	8833	4.92	1.22	1.00	6.00
S5LSRSPCT	6093	4.89	1.20	1.00	6.00
R5PRSRVC	8809	5.40	0.87	1.00	6.00
S5PRSRVC	6084	5.38	0.87	1.00	6.00
R5NOTSMRT	8812	5.34	1.04	1.00	6.00
S5NOTSMRT	6077	5.35	1.01	1.00	6.00
R5HARASS	8822	5.62	0.77	1.00	6.00
S5HARASS	6080	5.61	0.76	1.00	6.00
R5PRTRMT	8833	5.77	0.58	1.00	6.00
S5PRTRMT	6084	5.78	0.55	1.00	6.00
R5DSCRIM5	8876	1.59	0.69	1.00	6.00
S5DSCRIM5	6114	1.60	0.67	1.00	6.00
R5DSCRIM5M	10274	0.71	1.72	0.00	5.00

S5DSCRIM5M            6964            0.63            1.64            0.00            5.00

### Categorical Variable Codes

Value-----	R5LSRSPCT
.c:not in self-completion m	1244
.m:Missing	197
1.almost everyday	118
2.at least once a week	375
3.a few times a month	638
4.a few times a year	1623
5.less than once a year	2299
6.never	3780

Value-----	S5LSRSPCT
.c:not in self-completion m	751
.m:Missing	120
.u:Unmar	2742
.v:SP NR	568
1.almost everyday	71
2.at least once a week	258
3.a few times a month	455
4.a few times a year	1159
5.less than once a year	1687
6.never	2463

Value-----	R5PRSRVC
.c:not in self-completion m	1244
.m:Missing	221
1.almost everyday	13
2.at least once a week	88
3.a few times a month	235
4.a few times a year	919
5.less than once a year	2284
6.never	5270

Value-----	S5PRSRVC
.c:not in self-completion m	751
.m:Missing	129
.u:Unmar	2742
.v:SP NR	568
1.almost everyday	6
2.at least once a week	60
3.a few times a month	165
4.a few times a year	669
5.less than once a year	1673
6.never	3511

Value-----	R5NOTSMRT
.c:not in self-completion m	1244
.m:Missing	218
1.almost everyday	72
2.at least once a week	184
3.a few times a month	301
4.a few times a year	1007
5.less than once a year	1811
6.never	5437

Value-----	S5NOTSMRT
.c:not in self-completion m	751
.m:Missing	136
.u:Unmar	2742
.v:SP NR	568
1.almost everyday	38
2.at least once a week	125
3.a few times a month	202
4.a few times a year	668
5.less than once a year	1338



6.never	3706
Value-----	R5HARASS
.c:not in self-completion m	1244
.m:Missing	208
1.almost everyday	34
2.at least once a week	62
3.a few times a month	114
4.a few times a year	499
5.less than once a year	1556
6.never	6557
Value-----	S5HARASS
.c:not in self-completion m	751
.m:Missing	133
.u:Unmar	2742
.v:SP NR	568
1.almost everyday	22
2.at least once a week	39
3.a few times a month	82
4.a few times a year	351
5.less than once a year	1162
6.never	4424
Value-----	R5PRTRMT
.c:not in self-completion m	1244
.m:Missing	197
1.almost everyday	6
2.at least once a week	28
3.a few times a month	57
4.a few times a year	304
5.less than once a year	1107
6.never	7331
Value-----	S5PRTRMT
.c:not in self-completion m	751
.m:Missing	129
.u:Unmar	2742
.v:SP NR	568
1.almost everyday	4
2.at least once a week	12
3.a few times a month	36
4.a few times a year	187
5.less than once a year	790
6.never	5055

## How Constructed

RwLSRSPCT indicates how often the respondent feels they are treated with less courtesy or respect than other people in day-to-day life.

RwPRSRVC indicates how often the respondent feels they receive poorer service than other people at restaurants or stores in day-to-day life.

RwNOTSMRT indicates how often the respondent feels other people act as if they think the respondent is not smart in day-to-day life.

RwHARASS indicates how often the respondent feels they are threatened or harassed in day-to-day life.

RwPRTRMT indicates how often the respondents feels they receive poorer service or treatment than other people from doctors or hospitals in day-to-day life.

RwLSRSPCT, RwPRSRVC, RwNOTSMRT, RwHARASS, and RwPRTRMT are coded as follows: 1. almost everyday, 2. at least once a week, 3. a few times a month, 4. a few times a year, 5. less than once a year and 6. never. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but their response for the question is missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwLSRSPCT, SwPRSRVC, SwNOTSMRT, SwHARASS and SwPRTRMT indicate the current wave's spouse's level of agreement with statements about everyday discrimination and are taken from the spouse's values to RwLSRSPCT, RwPRSRVC, RwNOTSMRT, RwHARASS and RwPRTRMT. In addition to the special missing codes used in RwLSRSPCT, RwPRSRVC, RwNOTSMRT, RwHARASS and RwPRTRMT, SwLSRSPCT, SwPRSRVC, SwNOTSMRT, SwHARASS and SwPRTRMT employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwDSCRIM5 indicates the mean of the five different day-to-day life discrimination questions (RwLSRSPCT, RwPRSRVC, RwNOTSMRT, RwHARASS and RwPRTRMT) and can be used as a summary score. Since RwDSCRIM5 indicates day-to-day life discrimination, we reverse coded the values of RwLSRSPCT, RwPRSRVC, RwNOTSMRT, RwHARASS and RwPRTRMT to make sure that higher scores indicate more discrimination that the respondent feels. RwDSCRIM5 is calculated for any respondent with at least one non-missing value for its five components. RwDSCRIM5M counts the number of components with missing values in RwDSCRIM5, which could be between no missing components (0) and five missing components (5). Special missing .c is assigned if the respondent did not complete the self-completion questionnaire. Special missing .m is assigned if their responses for all 5 components are missing. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwDSCRIM5 and SwDSCRIM5M indicate the mean summary score of five different day-to-day life discrimination questions and the count of any missing components for the current wave's spouse's and is taken from the spouse's values to RwDSCRIM5 and RwDSCRIM5M. In addition to the special missing codes used in RwDSCRIM5 and RwDSCRIM5M, SwDSCRIM5 and SwDSCRIM5M employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Questions about discrimination are only included in ELSA Wave 5 self-completion questionnaire.

## Differences with the RAND HRS/Harmonized HRS

A sixth variable indicating whether people act as if they are afraid of the respondent (RwACTAFD), is included in the Harmonized HRS, but this question is not asked in ELSA.

## ELSA Variables Used

Index File:

OUTSCW5 outcome of core wave 5 self-completion questionnaire

Wave 5 Core:

SCDTDCL How often do people act as if they think the respondent  
 SCDTDDR How often does the respondent receive poorer service tha  
 SCDTDHA How often is the respondent threatened or harassed?  
 SCDTDRE How often is the respondent treated with less courtesy t  
 SCDTDST How often does the respondent receive poorer service tha

<b>Reason for Everyday Discrimination</b>
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Wave	Variable	Label	Type
5	R5DCGENDR	r5dcgendr:w5 r discrimination reason: gender	Categ
5	S5DCGENDR	s5dcgendr:w5 s discrimination reason: gender	Categ
5	R5DCRACE	r5dcrace:w5 r discrimination reason: race	Categ
5	S5DCRACE	s5dcrace:w5 s discrimination reason: race	Categ
5	R5DCAGE	r5dcage:w5 r discrimination reason: age	Categ
5	S5DCAGE	s5dcage:w5 s discrimination reason: age	Categ
5	R5DCWEGT	r5dcwegt:w5 r discrimination reason: weight	Categ
5	S5DCWEGT	s5dcwegt:w5 s discrimination reason: weight	Categ
5	R5DCDSTAT	r5dcdstat:w5 r discrimination reason: physical disability	Categ
5	S5DCDSTAT	s5dcdstat:w5 s discrimination reason: physical disability	Categ
5	R5DCAPRNC	r5dcaprnc:w5 r discrimination reason: other aspect of your p	Categ
5	S5DCAPRNC	s5dcaprnc:w5 s discrimination reason: other aspect of your p	Categ
5	R5DCSXORI	r5dcsxori:w5 r discrimination reason: sexual orientation	Categ
5	S5DCSXORI	s5dcsxori:w5 s discrimination reason: sexual orientation	Categ
5	R5DCFINAN	r5dcfinan:w5 r discrimination reason: financial status	Categ
5	S5DCFINAN	s5dcfinan:w5 s discrimination reason: financial status	Categ
5	R5DCOTHER	r5dcother:w5 r discrimination reason: other	Categ
5	S5DCOTHER	s5dcother:w5 s discrimination reason: other	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R5DCGENDR	4867	0.18	0.39	0.00	1.00
S5DCGENDR	3385	0.18	0.39	0.00	1.00
R5DCRACE	4867	0.03	0.17	0.00	1.00
S5DCRACE	3385	0.03	0.17	0.00	1.00
R5DCAGE	4867	0.61	0.49	0.00	1.00
S5DCAGE	3385	0.60	0.49	0.00	1.00
R5DCWEGT	4867	0.09	0.28	0.00	1.00
S5DCWEGT	3385	0.09	0.29	0.00	1.00
R5DCDSTAT	4867	0.09	0.28	0.00	1.00

S5DCDSTAT	3385	0.07	0.25	0.00	1.00
R5DCAPRNC	4867	0.07	0.25	0.00	1.00
S5DCAPRNC	3385	0.06	0.24	0.00	1.00
R5DCSXORI	4867	0.01	0.11	0.00	1.00
S5DCSXORI	3385	0.01	0.10	0.00	1.00
R5DCFINAN	4867	0.11	0.32	0.00	1.00
S5DCFINAN	3385	0.11	0.31	0.00	1.00
R5DCOTHER	4867	0.00	0.05	0.00	1.00
S5DCOTHER	3385	0.00	0.04	0.00	1.00

### Categorical Variable Codes

Value-----	
.c:not in self-completion m	R5DCGENDR
.m:Missing	1244
.n:no discrimination	1431
0.no	2732
1.yes	3979
	888
Value-----	
.c:not in self-completion m	S5DCGENDR
.m:Missing	751
.n:no discrimination	1031
.u:Unmar	1797
.v:SP NR	2742
0.no	568
1.yes	2760
	625
Value-----	
.c:not in self-completion m	R5DCRACE
.m:Missing	1244
.n:no discrimination	1431
0.no	2732
1.yes	4715
	152
Value-----	
.c:not in self-completion m	S5DCRACE
.m:Missing	751
.n:no discrimination	1031
.u:Unmar	1797
.v:SP NR	2742
0.no	568
1.yes	3282
	103
Value-----	
.c:not in self-completion m	R5DCAGE
.m:Missing	1244
.n:no discrimination	1431
0.no	2732
1.yes	1881
	2986
Value-----	
.c:not in self-completion m	S5DCAGE
.m:Missing	751
.n:no discrimination	1031
.u:Unmar	1797
.v:SP NR	2742
0.no	568
	1358

1.yes	2027
Value-----	R5DCWEGT
.c:not in self-completion m	1244
.m:Missing	1431
.n:no discrimination	2732
0.no	4441
1.yes	426
Value-----	S5DCWEGT
.c:not in self-completion m	751
.m:Missing	1031
.n:no discrimination	1797
.u:Unmar	2742
.v:SP NR	568
0.no	3077
1.yes	308
Value-----	R5DCDSTAT
.c:not in self-completion m	1244
.m:Missing	1431
.n:no discrimination	2732
0.no	4441
1.yes	426
Value-----	S5DCDSTAT
.c:not in self-completion m	751
.m:Missing	1031
.n:no discrimination	1797
.u:Unmar	2742
.v:SP NR	568
0.no	3152
1.yes	233
Value-----	R5DCAPRNC
.c:not in self-completion m	1244
.m:Missing	1431
.n:no discrimination	2732
0.no	4538
1.yes	329
Value-----	S5DCAPRNC
.c:not in self-completion m	751
.m:Missing	1031
.n:no discrimination	1797
.u:Unmar	2742
.v:SP NR	568
0.no	3169
1.yes	216
Value-----	R5DCSXORI
.c:not in self-completion m	1244
.m:Missing	1431
.n:no discrimination	2732
0.no	4803
1.yes	64
Value-----	S5DCSXORI
.c:not in self-completion m	751
.m:Missing	1031
.n:no discrimination	1797
.u:Unmar	2742
.v:SP NR	568
0.no	3350
1.yes	35
Value-----	R5DCFINAN
.c:not in self-completion m	1244
.m:Missing	1431
.n:no discrimination	2732
0.no	4316

1.yes		551
Value-----		S5DCFINAN
.c:not in self-completion m		751
.m:Missing		1031
.n:no discrimination		1797
.u:Unmar		2742
.v:SP NR		568
0.no		3014
1.yes		371
Value-----		R5DCOTHER
.c:not in self-completion m		1244
.m:Missing		1431
.n:no discrimination		2732
0.no		4857
1.yes		10
Value-----		S5DCOTHER
.c:not in self-completion m		751
.m:Missing		1031
.n:no discrimination		1797
.u:Unmar		2742
.v:SP NR		568
0.no		3379
1.yes		6

## How Constructed

RwDCGENDR indicates whether the respondent thinks their gender is the reason for their experience of discrimination.

RwDCRACE indicates whether the respondent thinks their race is the reason for their experience of discrimination.

RwDCAGE indicates whether the respondent thinks their age is the reason for their experience of discrimination.

RwDCWEGT indicates whether the respondent thinks their weight is the reason for their experience of discrimination.

RwDCDSTAT indicates whether the respondent thinks their physical disability is the reason for their experience of discrimination.

RwDCAPRNC indicates whether the respondent thinks an aspect of their physical appearance is the reason for their experience of discrimination.

RwDCSXORI indicates whether the respondent thinks their sexual orientation is the reason for their experience of discrimination.

RwDCFINAN indicates whether the respondent thinks their financial status is the reason for their experience of discrimination.

RwDCOTHER indicates whether the respondent thinks there are some reasons other than those mentioned for their experience of discrimination.

A code of 1 is assigned if the respondent identified this as a reason for their discrimination. A code of 0 is assigned if the respondent did not identify this as a reason for their discrimination. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .n is assigned if the respondent did not report any personal experience of discrimination. Special missing .m is assigned if the respondent is eligible for and completed the leave behind questionnaire but did not mark any response as part of the question about reasons for their discrimination. Theoretically this could be because they were not discriminated against for any reason listed or because they did not complete this section. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwDCGENDR, SwDCRACE, SwDCAGE, SwDCWEGT, SwDCDSTAT, SwDCAPRNC, SwDCSXORI, SwDCFINAN and SwDCOTHER indicate whether the current wave's spouse agrees with the statements on the reasons for discrimination and are taken from the spouse's values to RwDCGENDR, RwDCRACE, RwDCAGE, RwDCWEGT, RwDCDSTAT, RwDCAPRNC, RwDCSXORI, RwDCFINAN and RwDCOTHER. In addition to the special missing codes used in RwDCGENDR, RwDCRACE, RwDCAGE, RwDCWEGT, RwDCDSTAT, RwDCAPRNC, RwDCSXORI, RwDCFINAN and RwDCOTHER, SwDCGENDR, SwDCRACE, SwDCAGE, SwDCWEGT, SwDCDSTAT, SwDCAPRNC, SwDCSXORI, SwDCFINAN and SwDCOTHER employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwDCREAS\_E counts how many reasons the respondent agreed with from a list as a reason for their experience with discrimination: gender, race, age, weight, physical disability, an aspect of their physical appearance, sexual orientation, financial status and other. The reasons are summed as long as at least one component is not missing. Special missing .c is assigned if the respondent is either not eligible for or did not complete the leave behind questionnaire. Special missing .n is assigned if the respondent did not report any personal experience of discrimination. Special missing .m is assigned if all the components had missing values. These variables are assigned plain missing (.) if the respondent did not participate in the current wave.

SwDCREAS\_E indicates the count of reasons for the current wave's spouse and is taken from the spouse's values to RwDCREAS\_E. In addition to the special missing codes used in RwDCREAS\_E, SwDCREAS\_E employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

Questions about discrimination are only included in the ELSA Wave 5 self-completion questionnaire.

## Differences with the RAND HRS/Harmonized HRS

Unlike HRS, ELSA does not include religion, ancestry or national origin as a reason for discrimination.

## ELSA Variables Used

### Index File:

OUTSCW5 outcome of core wave 5 self-completion questionnaire

### Wave 5 Core:

SCDTD01	The respondent had been discriminated against (from answ
SCDTD02	The respondent had been discriminated against (from answ
SCDTD03	The respondent had been discriminated against (from answ
SCDTD04	The respondent had been discriminated against (from answ
SCDTD05	The respondent had been discriminated against (from answ
SCDTD06	The respondent had been discriminated against (from answ
SCDTD07	The respondent had been discriminated against (from answ
SCDTD08	The respondent had been discriminated against (from answ
SCDTD85	The respondent had been discriminated against (from answ

## **Section O: End of Life Planning**



<b>Covered by Life Insurance</b>
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Wave	Variable	Label	Type
1	R1LIFEIN	r1lifein:w1 R covered by life insurance	Categ
2	R2LIFEIN	r2lifein:w2 R covered by life insurance	Categ
3	R3LIFEIN	r3lifein:w3 R covered by life insurance	Categ
4	R4LIFEIN	r4lifein:w4 R covered by life insurance	Categ
5	R5LIFEIN	r5lifein:w5 R covered by life insurance	Categ
6	R6LIFEIN	r6lifein:w6 R covered by life insurance	Categ
7	R7LIFEIN	r7lifein:w7 R covered by life insurance	Categ
8	R8LIFEIN	r8lifein:w8 R covered by life insurance	Categ
9	R9LIFEIN	r9lifein:w9 R covered by life insurance	Categ
1	S1LIFEIN	s1lifein:w1 S covered by life insurance	Categ
2	S2LIFEIN	s2lifein:w2 S covered by life insurance	Categ
3	S3LIFEIN	s3lifein:w3 S covered by life insurance	Categ
4	S4LIFEIN	s4lifein:w4 S covered by life insurance	Categ
5	S5LIFEIN	s5lifein:w5 S covered by life insurance	Categ
6	S6LIFEIN	s6lifein:w6 S covered by life insurance	Categ
7	S7LIFEIN	s7lifein:w7 S covered by life insurance	Categ
8	S8LIFEIN	s8lifein:w8 S covered by life insurance	Categ
9	S9LIFEIN	s9lifein:w9 S covered by life insurance	Categ
1	R1LIFEINV	r1lifeinv:w1 R value life insurance policies	Cont
2	R2LIFEINV	r2lifeinv:w2 R value life insurance policies	Cont
3	R3LIFEINV	r3lifeinv:w3 R value life insurance policies	Cont
4	R4LIFEINV	r4lifeinv:w4 R value life insurance policies	Cont
5	R5LIFEINV	r5lifeinv:w5 R value life insurance policies	Cont
6	R6LIFEINV	r6lifeinv:w6 R value life insurance policies	Cont
7	R7LIFEINV	r7lifeinv:w7 R value life insurance policies	Cont
8	R8LIFEINV	r8lifeinv:w8 R value life insurance policies	Cont
9	R9LIFEINV	r9lifeinv:w9 R value life insurance policies	Cont
1	S1LIFEINV	s1lifeinv:w1 S value life insurance policies	Cont
2	S2LIFEINV	s2lifeinv:w2 S value life insurance policies	Cont
3	S3LIFEINV	s3lifeinv:w3 S value life insurance policies	Cont
4	S4LIFEINV	s4lifeinv:w4 S value life insurance policies	Cont
5	S5LIFEINV	s5lifeinv:w5 S value life insurance policies	Cont
6	S6LIFEINV	s6lifeinv:w6 S value life insurance policies	Cont
7	S7LIFEINV	s7lifeinv:w7 S value life insurance policies	Cont
8	S8LIFEINV	s8lifeinv:w8 S value life insurance policies	Cont
9	S9LIFEINV	s9lifeinv:w9 S value life insurance policies	Cont

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIFEIN	11864	0.45	0.50	0.00	1.00
R2LIFEIN	9269	0.41	0.49	0.00	1.00
R3LIFEIN	9550	0.39	0.49	0.00	1.00
R4LIFEIN	10827	0.36	0.48	0.00	1.00
R5LIFEIN	10113	0.33	0.47	0.00	1.00
R6LIFEIN	10448	0.32	0.47	0.00	1.00
R7LIFEIN	9519	0.29	0.45	0.00	1.00
R8LIFEIN	8344	0.26	0.44	0.00	1.00
R9LIFEIN	8641	0.28	0.45	0.00	1.00
S1LIFEIN	7922	0.48	0.50	0.00	1.00
S2LIFEIN	6078	0.44	0.50	0.00	1.00
S3LIFEIN	6262	0.43	0.49	0.00	1.00

S4LIFEIN	7253	0.39	0.49	0.00	1.00
S5LIFEIN	6872	0.36	0.48	0.00	1.00
S6LIFEIN	7137	0.34	0.47	0.00	1.00
S7LIFEIN	6456	0.30	0.46	0.00	1.00
S8LIFEIN	5623	0.27	0.44	0.00	1.00
S9LIFEIN	5760	0.29	0.45	0.00	1.00
R1LIFEINV	10241	10530.36	44505.60	0.00	2350000.00
R2LIFEINV	8308	10245.74	45627.28	0.00	2100000.00
R3LIFEINV	8660	14048.33	52548.62	0.00	1200000.00
R4LIFEINV	9836	15152.58	81953.87	0.00	4000000.00
R5LIFEINV	9262	11914.86	52028.31	0.00	1500000.00
R6LIFEINV	9635	13473.12	60021.56	0.00	1600000.00
R7LIFEINV	8899	14531.16	103452.92	0.00	6000000.00
R8LIFEINV	7899	12915.17	69557.81	0.00	2000000.00
R9LIFEINV	8130	18158.68	83631.26	0.00	1650000.00
S1LIFEINV	6867	13019.56	48993.06	0.00	2350000.00
S2LIFEINV	5483	12746.28	50968.73	0.00	2100000.00
S3LIFEINV	5690	18199.84	60887.11	0.00	1200000.00
S4LIFEINV	6587	18661.71	89816.27	0.00	4000000.00
S5LIFEINV	6283	14200.90	55800.52	0.00	1500000.00
S6LIFEINV	6593	16200.11	67145.68	0.00	1600000.00
S7LIFEINV	6043	17962.71	122838.56	0.00	6000000.00
S8LIFEINV	5334	15570.43	78629.53	0.00	2000000.00
S9LIFEINV	5427	21448.66	93581.99	0.00	1650000.00

### Categorical Variable Codes

Value-----	R1LIFEIN	R2LIFEIN	R3LIFEIN	R4LIFEIN	R5LIFEIN
.d:DK	44	38	60	48	51
.m:Missing	105	99	125	129	79
.r:Refuse	86	26	31	46	31
0.no	6573	5487	5842	6909	6751
1.yes	5291	3782	3708	3918	3362
Value-----	R6LIFEIN	R7LIFEIN	R8LIFEIN	R9LIFEIN	
.d:DK	41	41	36	32	
.m:Missing	70	68	38	53	
.r:Refuse	42	38	27	10	
0.no	7115	6798	6191	6262	
1.yes	3333	2721	2153	2379	
Value-----	S1LIFEIN	S2LIFEIN	S3LIFEIN	S4LIFEIN	S5LIFEIN
.d:DK	16	16	33	25	19
.m:Missing	66	66	68	90	55
.r:Refuse	66	18	20	34	18
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4108	3396	3576	4410	4430
1.yes	3814	2682	2686	2843	2442
Value-----	S6LIFEIN	S7LIFEIN	S8LIFEIN	S9LIFEIN	
.d:DK	14	19	15	10	
.m:Missing	58	53	28	42	
.r:Refuse	33	32	22	8	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	4736	4505	4107	4117	
1.yes	2401	1951	1516	1643	

### How Constructed

RwLIFEIN indicates whether the respondent is covered by life insurance. The financial respondent is asked whether they or their spouse/partner have any life insurance policies, and if so, whether the respondent

only, spouse/partner only, or both have life insurance policies. A value of 0 indicates the respondent is not covered by life insurance. A value of 1 indicates the respondent is covered by life insurance. Don't know, refused, or other missing responses of RwlIFEIN are assigned special missing codes .d, .r, .m, respectively. RwlIFEIN is set to plain missing (.) for respondents who did not respond to the current wave.

SwLIFEIN indicates whether the current wave's spouse is covered by life insurance. A value of 0 indicates the respondent's spouse is not covered by life insurance. A value of 1 indicates the respondent's spouse is covered by life insurance. In addition to the special missing codes used in RwlIFEIN, SwLIFEIN employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwlIFEINV indicates the value of the respondent's life insurance policies. The financial respondent is asked for the value their dependents would get from their life insurance policy or policies if they died. If the respondent has no life insurance, then RwlIFEINV takes a value of 0. Don't know, refused, or other missing responses are assigned special missing .d, .r, .m, respectively. RwlIFEINV is set to plain missing (.) for respondents who did not respond to the current wave.

SwLIFEINV indicates the value of the current wave's spouse's life insurance policies. The financial respondent is asked for the value their spouse's dependents would get from the spouse's life insurance policy or policies if their spouse died. If the respondent's spouse has no life insurance, then SwLIFEINV takes a value of 0. In addition to the special missing codes used in RwlIFEINV, SwLIFEINV employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

There are no differences known with RwlIFEIN in the RAND HRS.

RwlIFEINV in the Harmonized HRS is the value of the respondent's life insurance policies in nominal dollars, whereas RwlIFEINV in the Harmonized ELSA is the value of the respondent's life insurance policies in nominal pounds. Conversion into a common currency is necessary before comparison of these variables.

## ELSA Variables Used

### Wave 1 Core:

IAASK	asking for partner in hh, too?
IALI	do you (or your spouse) have any life insurance policies
IALIPA	how much would your spouse s dependants get from (his/he
IALIW	which of you has life insurance policies?
IALIYA	how much would your dependants get from your life insura

### Wave 2 Core:

IAASK	Whether asking for partner in HH too
IALI	Do you (or your spouse) have any life insurance policies
IALIPA	Life insurance lump sum pay out on death (partner)
IALIW	Which of you has life insurance policies
IALIYA	Life insurance lump sum pay out on death (respondent)

### Wave 3 Core:

IAASK	whether asking for partner in hh too
IALI	do you (or your spouse) have any life insurance policies
IALIPA	life insurance lump sum pay out on death (partner)
IALIW	which of you has life insurance policies
IALIYA	life insurance lump sum pay out on death (respondent)

### Wave 4 Core:

IAASK	whether asking for partner in hh too
-------	--------------------------------------

IALI do you (or your spouse) have any life insurance policies  
IALIPA life insurance lump sum pay out on death (partner)  
IALIW which of you has life insurance policies  
IALIYA life insurance lump sum pay out on death (respondent)

Wave 5 Core:  
IAASK Whether asking for partner in HH too  
IALI Do you (or your spouse) have any life insurance policies  
IALIPA Life insurance lump sum pay out on death (partner)  
IALIW Which of you has life insurance policies  
IALIYA Life insurance lump sum pay out on death (respondent)

Wave 6 Core:  
IAASK whether asking for partner in hh too  
IALI do you (or your spouse) have any life insurance policies  
IALIPA life insurance lump sum pay out on death (partner)  
IALIW which of you has life insurance policies  
IALIYA life insurance lump sum pay out on death (respondent)

Wave 7 Core:  
IAASK whether asking for partner in hh too  
IALI do you (or your spouse) have any life insurance policies  
IALIPA life insurance lump sum pay out on death (partner)  
IALIW which of you has life insurance policies  
IALIYA life insurance lump sum pay out on death (respondent)

Wave 8 Core:  
IAASK whether asking for partner in hh too  
IALI whether respondent or spouse have any life insurance pol  
IALIPA life insurance lump sum pay out on death (partner)  
IALIW whether it is respondent, spouse or both who have life i  
IALIYA life insurance lump sum pay out on death (respondent)

Wave 9 Core:  
IAASK Whether asking for partner in hh too  
IALI Whether respondent or spouse have any life insurance pol  
IALIPA Life insurance lump sum pay out on death (partner)  
IALIW Whether it is respondent, spouse or both who have life i  
IALIYA Life insurance lump sum pay out on death (respondent)

## **Section P: Childhood**

<b>Childhood Socioeconomic Conditions</b>
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Wave	Variable	Label	Type
1	RACCROOMS	raccrooms: r # rooms in accommodation when 10	Cont
1	S1CCROOMS	s1ccrooms:w1 s # rooms in accommodation when 10	Cont
2	S2CCROOMS	s2ccrooms:w2 s # rooms in accommodation when 10	Cont
3	S3CCROOMS	s3ccrooms:w3 s # rooms in accommodation when 10	Cont
4	S4CCROOMS	s4ccrooms:w4 s # rooms in accommodation when 10	Cont
5	S5CCROOMS	s5ccrooms:w5 s # rooms in accommodation when 10	Cont
6	S6CCROOMS	s6ccrooms:w6 s # rooms in accommodation when 10	Cont
7	S7CCROOMS	s7ccrooms:w7 s # rooms in accommodation when 10	Cont
8	S8CCROOMS	s8ccrooms:w8 s # rooms in accommodation when 10	Cont
9	S9CCROOMS	s9ccrooms:w9 s # rooms in accommodation when 10	Cont
1	RACCNPEOPLE	raccnpeople: r # of people living in hh when 10	Cont
1	S1CCNPEOPLE	s1ccnpeople:w1 s # of people living in hh when 10	Cont
2	S2CCNPEOPLE	s2ccnpeople:w2 s # of people living in hh when 10	Cont
3	S3CCNPEOPLE	s3ccnpeople:w3 s # of people living in hh when 10	Cont
4	S4CCNPEOPLE	s4ccnpeople:w4 s # of people living in hh when 10	Cont
5	S5CCNPEOPLE	s5ccnpeople:w5 s # of people living in hh when 10	Cont
6	S6CCNPEOPLE	s6ccnpeople:w6 s # of people living in hh when 10	Cont
7	S7CCNPEOPLE	s7ccnpeople:w7 s # of people living in hh when 10	Cont
8	S8CCNPEOPLE	s8ccnpeople:w8 s # of people living in hh when 10	Cont
9	S9CCNPEOPLE	s9ccnpeople:w9 s # of people living in hh when 10	Cont
1	RACCBBOOKS	raccbooks: r # of books in hh when 10	Categ
1	S1CCBOOKS	s1ccbbooks:w1 s # of books in hh when 10	Categ
2	S2CCBOOKS	s2ccbbooks:w2 s # of books in hh when 10	Categ
3	S3CCBOOKS	s3ccbbooks:w3 s # of books in hh when 10	Categ
4	S4CCBOOKS	s4ccbbooks:w4 s # of books in hh when 10	Categ
5	S5CCBOOKS	s5ccbbooks:w5 s # of books in hh when 10	Categ
6	S6CCBOOKS	s6ccbbooks:w6 s # of books in hh when 10	Categ
7	S7CCBOOKS	s7ccbbooks:w7 s # of books in hh when 10	Categ
8	S8CCBOOKS	s8ccbbooks:w8 s # of books in hh when 10	Categ
9	S9CCBOOKS	s9ccbbooks:w9 s # of books in hh when 10	Categ
1	RACCBATH	raccbath: r features of accommodation when 10: fixed bath	Categ
1	S1CCBATH	s1ccbath:w1 s features of accommodation when 10: fixed bath	Categ
2	S2CCBATH	s2ccbath:w2 s features of accommodation when 10: fixed bath	Categ
3	S3CCBATH	s3ccbath:w3 s features of accommodation when 10: fixed bath	Categ
4	S4CCBATH	s4ccbath:w4 s features of accommodation when 10: fixed bath	Categ
5	S5CCBATH	s5ccbath:w5 s features of accommodation when 10: fixed bath	Categ
6	S6CCBATH	s6ccbath:w6 s features of accommodation when 10: fixed bath	Categ
7	S7CCBATH	s7ccbath:w7 s features of accommodation when 10: fixed bath	Categ
8	S8CCBATH	s8ccbath:w8 s features of accommodation when 10: fixed bath	Categ
9	S9CCBATH	s9ccbath:w9 s features of accommodation when 10: fixed bath	Categ
1	RACCWATERC	raccwaterc: r features of accommodation when 10: cold runnin	Categ
1	S1CCWATERC	s1ccwaterc:w1 s features of accommodation when 10: cold runn	Categ
2	S2CCWATERC	s2ccwaterc:w2 s features of accommodation when 10: cold runn	Categ
3	S3CCWATERC	s3ccwaterc:w3 s features of accommodation when 10: cold runn	Categ
4	S4CCWATERC	s4ccwaterc:w4 s features of accommodation when 10: cold runn	Categ
5	S5CCWATERC	s5ccwaterc:w5 s features of accommodation when 10: cold runn	Categ
6	S6CCWATERC	s6ccwaterc:w6 s features of accommodation when 10: cold runn	Categ
7	S7CCWATERC	s7ccwaterc:w7 s features of accommodation when 10: cold runn	Categ

8	S8CCWATERC	s8ccwaterc:w8	s features of accommodation when 10: cold runn	Categ
9	S9CCWATERC	s9ccwaterc:w9	s features of accommodation when 10: cold runn	Categ
1	RACCWATERH	raccwaterh: r	features of accommodation when 10: hot running	Categ
1	S1CCWATERH	s1ccwaterh:w1	s features of accommodation when 10: hot runni	Categ
2	S2CCWATERH	s2ccwaterh:w2	s features of accommodation when 10: hot runni	Categ
3	S3CCWATERH	s3ccwaterh:w3	s features of accommodation when 10: hot runni	Categ
4	S4CCWATERH	s4ccwaterh:w4	s features of accommodation when 10: hot runni	Categ
5	S5CCWATERH	s5ccwaterh:w5	s features of accommodation when 10: hot runni	Categ
6	S6CCWATERH	s6ccwaterh:w6	s features of accommodation when 10: hot runni	Categ
7	S7CCWATERH	s7ccwaterh:w7	s features of accommodation when 10: hot runni	Categ
8	S8CCWATERH	s8ccwaterh:w8	s features of accommodation when 10: hot runni	Categ
9	S9CCWATERH	s9ccwaterh:w9	s features of accommodation when 10: hot runni	Categ
1	RACCTOILET	racctoilet: r	features of accommodation when 10: inside toil	Categ
1	S1CCTOILET	s1cctoilet:w1	s features of accommodation when 10: inside to	Categ
2	S2CCTOILET	s2cctoilet:w2	s features of accommodation when 10: inside to	Categ
3	S3CCTOILET	s3cctoilet:w3	s features of accommodation when 10: inside to	Categ
4	S4CCTOILET	s4cctoilet:w4	s features of accommodation when 10: inside to	Categ
5	S5CCTOILET	s5cctoilet:w5	s features of accommodation when 10: inside to	Categ
6	S6CCTOILET	s6cctoilet:w6	s features of accommodation when 10: inside to	Categ
7	S7CCTOILET	s7cctoilet:w7	s features of accommodation when 10: inside to	Categ
8	S8CCTOILET	s8cctoilet:w8	s features of accommodation when 10: inside to	Categ
9	S9CCTOILET	s9cctoilet:w9	s features of accommodation when 10: inside to	Categ
1	RACCHEATING	raccheating: r	features of accommodation when 10: central he	Categ
1	S1CCHEATING	s1cccheating:w1	s features of accommodation when 10: central	Categ
2	S2CCHEATING	s2cccheating:w2	s features of accommodation when 10: central	Categ
3	S3CCHEATING	s3cccheating:w3	s features of accommodation when 10: central	Categ
4	S4CCHEATING	s4cccheating:w4	s features of accommodation when 10: central	Categ
5	S5CCHEATING	s5cccheating:w5	s features of accommodation when 10: central	Categ
6	S6CCHEATING	s6cccheating:w6	s features of accommodation when 10: central	Categ
7	S7CCHEATING	s7cccheating:w7	s features of accommodation when 10: central	Categ
8	S8CCHEATING	s8cccheating:w8	s features of accommodation when 10: central	Categ
9	S9CCHEATING	s9cccheating:w9	s features of accommodation when 10: central	Categ
1	RACCNOFEAT	raccnofeat: r	features of accommodation when 10: none	Categ
1	S1CCNOFEAT	s1ccbath:w1	s features of accommodation when 10: none	Categ
2	S2CCNOFEAT	s2ccbath:w2	s features of accommodation when 10: none	Categ
3	S3CCNOFEAT	s3ccbath:w3	s features of accommodation when 10: none	Categ
4	S4CCNOFEAT	s4ccbath:w4	s features of accommodation when 10: none	Categ
5	S5CCNOFEAT	s5ccbath:w5	s features of accommodation when 10: none	Categ
6	S6CCNOFEAT	s6ccbath:w6	s features of accommodation when 10: none	Categ
7	S7CCNOFEAT	s7ccbath:w7	s features of accommodation when 10: none	Categ
8	S8CCNOFEAT	s8ccbath:w8	s features of accommodation when 10: none	Categ
9	S9CCNOFEAT	s9ccbath:w9	s features of accommodation when 10: none	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RACCRROOMS	7524	2.96	0.94	1.00	15.00
S1CCROOMS	4312	2.95	0.92	1.00	15.00
S2CCROOMS	4077	2.96	0.91	1.00	15.00
S3CCROOMS	4969	2.97	0.93	1.00	15.00
S4CCROOMS	4391	2.98	0.91	1.00	15.00
S5CCROOMS	4118	2.99	0.92	1.00	15.00
S6CCROOMS	3795	3.00	0.94	1.00	15.00

S7CCROOMS	3342	2.99	0.90	1.00	13.00
S8CCROOMS	2918	3.01	0.94	1.00	15.00
S9CCROOMS	2550	3.02	0.96	1.00	15.00
RACCNPEOPLE	7550	5.03	1.85	1.00	30.00
S1CCNPEOPLE	4326	4.96	1.78	2.00	22.00
S2CCNPEOPLE	4091	4.95	1.74	2.00	17.00
S3CCNPEOPLE	4987	4.98	1.73	2.00	17.00
S4CCNPEOPLE	4405	4.96	1.72	2.00	17.00
S5CCNPEOPLE	4130	4.96	1.71	2.00	17.00
S6CCNPEOPLE	3807	4.95	1.70	2.00	17.00
S7CCNPEOPLE	3353	4.95	1.69	2.00	17.00
S8CCNPEOPLE	2927	4.95	1.70	2.00	17.00
S9CCNPEOPLE	2557	4.95	1.70	2.00	17.00
RACCBOOKS	7479	2.49	1.22	1.00	5.00
S1CCBOOKS	4284	2.48	1.21	1.00	5.00
S2CCBOOKS	4049	2.49	1.21	1.00	5.00
S3CCBOOKS	4940	2.53	1.22	1.00	5.00
S4CCBOOKS	4365	2.55	1.21	1.00	5.00
S5CCBOOKS	4095	2.56	1.21	1.00	5.00
S6CCBOOKS	3777	2.59	1.22	1.00	5.00
S7CCBOOKS	3326	2.61	1.22	1.00	5.00
S8CCBOOKS	2904	2.62	1.21	1.00	5.00
S9CCBOOKS	2538	2.66	1.23	1.00	5.00
RACCBATH	7545	0.68	0.47	0.00	1.00
S1CCBATH	4325	0.69	0.46	0.00	1.00
S2CCBATH	4090	0.69	0.46	0.00	1.00
S3CCBATH	4983	0.71	0.46	0.00	1.00
S4CCBATH	4402	0.71	0.45	0.00	1.00
S5CCBATH	4132	0.72	0.45	0.00	1.00
S6CCBATH	3808	0.73	0.44	0.00	1.00
S7CCBATH	3355	0.73	0.44	0.00	1.00
S8CCBATH	2929	0.74	0.44	0.00	1.00
S9CCBATH	2559	0.75	0.43	0.00	1.00
RACCWATERC	7545	0.91	0.29	0.00	1.00
S1CCWATERC	4325	0.92	0.27	0.00	1.00
S2CCWATERC	4090	0.92	0.27	0.00	1.00
S3CCWATERC	4983	0.91	0.29	0.00	1.00
S4CCWATERC	4402	0.91	0.29	0.00	1.00
S5CCWATERC	4132	0.91	0.28	0.00	1.00
S6CCWATERC	3808	0.92	0.28	0.00	1.00
S7CCWATERC	3355	0.92	0.28	0.00	1.00
S8CCWATERC	2929	0.92	0.28	0.00	1.00
S9CCWATERC	2559	0.91	0.28	0.00	1.00
RACCWATERH	7545	0.66	0.47	0.00	1.00
S1CCWATERH	4325	0.66	0.47	0.00	1.00
S2CCWATERH	4090	0.68	0.47	0.00	1.00
S3CCWATERH	4983	0.69	0.46	0.00	1.00
S4CCWATERH	4402	0.70	0.46	0.00	1.00
S5CCWATERH	4132	0.71	0.46	0.00	1.00
S6CCWATERH	3808	0.72	0.45	0.00	1.00
S7CCWATERH	3355	0.72	0.45	0.00	1.00
S8CCWATERH	2929	0.73	0.44	0.00	1.00
S9CCWATERH	2559	0.73	0.44	0.00	1.00



RACCTOILET	7545	0.63	0.48	0.00	1.00
S1CCTOILET	4325	0.63	0.48	0.00	1.00
S2CCTOILET	4090	0.63	0.48	0.00	1.00
S3CCTOILET	4983	0.65	0.48	0.00	1.00
S4CCTOILET	4402	0.66	0.47	0.00	1.00
S5CCTOILET	4132	0.67	0.47	0.00	1.00
S6CCTOILET	3808	0.68	0.47	0.00	1.00
S7CCTOILET	3355	0.68	0.47	0.00	1.00
S8CCTOILET	2929	0.69	0.46	0.00	1.00
S9CCTOILET	2559	0.70	0.46	0.00	1.00
RACCHEATING	7545	0.04	0.20	0.00	1.00
S1CCHEATING	4325	0.04	0.19	0.00	1.00
S2CCHEATING	4090	0.04	0.18	0.00	1.00
S3CCHEATING	4983	0.05	0.21	0.00	1.00
S4CCHEATING	4402	0.05	0.22	0.00	1.00
S5CCHEATING	4132	0.05	0.22	0.00	1.00
S6CCHEATING	3808	0.05	0.22	0.00	1.00
S7CCHEATING	3355	0.05	0.22	0.00	1.00
S8CCHEATING	2929	0.05	0.22	0.00	1.00
S9CCHEATING	2559	0.06	0.23	0.00	1.00
RACCCNOFEAT	7545	0.04	0.21	0.00	1.00
S1CCNOFEAT	4325	0.04	0.20	0.00	1.00
S2CCNOFEAT	4090	0.04	0.20	0.00	1.00
S3CCNOFEAT	4983	0.04	0.19	0.00	1.00
S4CCNOFEAT	4402	0.04	0.19	0.00	1.00
S5CCNOFEAT	4132	0.04	0.19	0.00	1.00
S6CCNOFEAT	3808	0.03	0.18	0.00	1.00
S7CCNOFEAT	3355	0.03	0.17	0.00	1.00
S8CCNOFEAT	2929	0.03	0.16	0.00	1.00
S9CCNOFEAT	2559	0.03	0.16	0.00	1.00

## Categorical Variable Codes

Value-----	RACCCBOOKS				
.d:DK	80				
.l:no life history ivw	11952				
.m:Missing	290				
.r:Refuse	1				
1.none or very few (0-10 bo	2001				
2.1 bookshelf (11-25 books)	1845				
3.1 bookcase (26-100 books)	2283				
4.2 bookcases (101-200 book	700				
5.3+ bookcases (200+ books)	650				
Value-----	S1CCBOOKS	S2CCBOOKS	S3CCBOOKS	S4CCBOOKS	S5CCBOOKS
.d:DK	45	45	50	44	39
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	172	159	185	161	153
.r:Refuse	1	1	1		
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.none or very few (0-10 bo	1133	1055	1244	1056	978
2.1 bookshelf (11-25 books)	1074	1013	1207	1068	992
3.1 bookcase (26-100 books)	1331	1261	1557	1422	1349
4.2 bookcases (101-200 book	392	379	480	437	408
5.3+ bookcases (200+ books)	354	341	452	382	368
Value-----	S6CCBOOKS	S7CCBOOKS	S8CCBOOKS	S9CCBOOKS	
.d:DK	34	31	27	22	

.l:no life history ivw	3293	3088	2653	3172
.m:Missing	138	115	104	88
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.none or very few (0-10 bo	882	754	637	535
2.1 bookshelf (11-25 books)	907	787	701	616
3.1 bookcase (26-100 books)	1240	1107	977	845
4.2 bookcases (101-200 book	391	357	306	271
5.3+ bookcases (200+ books)	357	321	283	271

Value-----	RACCBATH
.d:DK	7
.l:no life history ivw	11952
.m:Missing	297
.r:Refuse	1
0.no	2387
1.yes	5158

Value-----	S1CCBATH	S2CCBATH	S3CCBATH	S4CCBATH	S5CCBATH
.d:DK	2	2	2	2	1
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	174	161	190	166	154
.r:Refuse	1	1	1		
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	1347	1248	1461	1255	1153
1.yes	2978	2842	3522	3147	2979

Value-----	S6CCBATH	S7CCBATH	S8CCBATH	S9CCBATH
.d:DK	1	1	1	
.l:no life history ivw	3293	3088	2653	3172
.m:Missing	140	116	105	89
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	1029	897	749	648
1.yes	2779	2458	2180	1911

Value-----	RACCWATERC
.d:DK	7
.l:no life history ivw	11952
.m:Missing	297
.r:Refuse	1
0.no	681
1.yes	6864

Value-----	S1CCWATERC	S2CCWATERC	S3CCWATERC	S4CCWATERC	S5CCWATERC
.d:DK	2	2	2	2	1
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	174	161	190	166	154
.r:Refuse	1	1	1		
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	355	322	458	395	364
1.yes	3970	3768	4525	4007	3768

Value-----	S6CCWATERC	S7CCWATERC	S8CCWATERC	S9CCWATERC
.d:DK	1	1	1	
.l:no life history ivw	3293	3088	2653	3172
.m:Missing	140	116	105	89
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	323	285	244	220
1.yes	3485	3070	2685	2339

Value-----	RACCWATERH
.d:DK	7
.l:no life history ivw	11952
.m:Missing	297
.r:Refuse	1
0.no	2535
1.yes	5010

Value-----	S1CCWATERH	S2CCWATERH	S3CCWATERH	S4CCWATERH	S5CCWATERH
.d:DK	2	2	2	2	1
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	174	161	190	166	154
.r:Refuse	1	1	1		
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	1449	1329	1548	1329	1210
1.yes	2876	2761	3435	3073	2922

Value-----	S6CCWATERH	S7CCWATERH	S8CCWATERH	S9CCWATERH
.d:DK	1	1	1	
.l:no life history ivw	3293	3088	2653	3172
.m:Missing	140	116	105	89
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	1075	941	784	679
1.yes	2733	2414	2145	1880

Value-----	RACCTOILET
.d:DK	7
.l:no life history ivw	11952
.m:Missing	297
.r:Refuse	1
0.no	2816
1.yes	4729

Value-----	S1CCTOILET	S2CCTOILET	S3CCTOILET	S4CCTOILET	S5CCTOILET
.d:DK	2	2	2	2	1
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	174	161	190	166	154
.r:Refuse	1	1	1		
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	1610	1498	1733	1497	1378
1.yes	2715	2592	3250	2905	2754

Value-----	S6CCTOILET	S7CCTOILET	S8CCTOILET	S9CCTOILET
.d:DK	1	1	1	
.l:no life history ivw	3293	3088	2653	3172
.m:Missing	140	116	105	89
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	1232	1080	903	777
1.yes	2576	2275	2026	1782

Value-----	RACCHEATING
.d:DK	7
.l:no life history ivw	11952
.m:Missing	297
.r:Refuse	1
0.no	7233
1.yes	312

Value-----	S1CCHEATING	S2CCHEATING	S3CCHEATING	S4CCHEATING	S5CCHEATING
.d:DK	2	2	2	2	1
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	174	161	190	166	154
.r:Refuse	1	1	1		
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4170	3945	4749	4186	3929
1.yes	155	145	234	216	203

Value-----	S6CCHEATING	S7CCHEATING	S8CCHEATING	S9CCHEATING
.d:DK	1	1	1	
.l:no life history ivw	3293	3088	2653	3172
.m:Missing	140	116	105	89
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630

0.no	3616	3186	2774	2415	
1.yes	192	169	155	144	
Value-----	RACCNOFEAT				
.d:DK	7				
.l:no life history ivw	11952				
.m:Missing	297				
.r:Refuse	1				
0.no	7208				
1.yes	337				
Value-----	S1CCNOFEAT	S2CCNOFEAT	S3CCNOFEAT	S4CCNOFEAT	S5CCNOFEAT
.d:DK	2	2	2	2	1
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	174	161	190	166	154
.r:Refuse	1	1	1		
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4137	3923	4795	4239	3985
1.yes	188	167	188	163	147
Value-----	S6CCNOFEAT	S7CCNOFEAT	S8CCNOFEAT	S9CCNOFEAT	
.d:DK	1	1	1		
.l:no life history ivw	3293	3088	2653	3172	
.m:Missing	140	116	105	89	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3687	3254	2849	2488	
1.yes	121	101	80	71	

## How Constructed

RACCRooms indicates the number of bedrooms the respondent's household occupied in the residence, excluding bathrooms, kitchens, living rooms, dining rooms, or any rooms their household sublet, when the respondent was age 10. RACCnPeople indicates the number of people living in the respondent's household when the respondent was age 10. Don't know, refuse, and other missing responses are set to .d, .r, and .m, respectively. These questions are only asked in the ELSA Wave 3 life history interview, so respondents who did not participate in that interview are assigned special missing .l.

SwCCRooms and SwCCnPeople are the number of rooms the respondent's current wave's spouse's household occupied, and the number of people living in the respondent's current wave's spouse's household when the respondent's spouse was age 10 and is taken directly from the spouse's value for RACCRooms and RACCnPeople. In addition to the special missing values employed by RACCRooms and RACCnPeople, SwCCRooms and SwCCnPeople employ two additional special missing values. SwCCRooms and SwCCnPeople employ the special missing value .u, when the respondent reports not being coupled in the current wave, and the special missing value .v, when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RACCBooks indicates the number of books in the place where the respondent lived, excluding magazines, newspapers, or their school books, when the respondent was age 10. A code of 1 indicates that the respondent's accommodation had none or very few books (0-10 books). A code of 2 indicates that the respondent's accommodation had enough books to fill one shelf (11-25 books). A code of 3 indicates that the respondent's accommodation had enough books to fill one bookcase (26-100 books). A code of 4 indicates that the respondent's accommodation had enough books to fill two bookcases (101-200 books). A code of 5 indicates that the respondent's accommodation had enough books to fill two or more bookcases (more than 200 books). Don't know, refuse, and other missing responses are set to .d, .r, and .m, respectively. This question is only asked in the ELSA Wave 3 life history interview, so respondents who did not participate in that interview are assigned special missing .l.

SwCCBooks is the number of books in the respondent's current wave's spouse's accommodation when the respondent's spouse was age 10 and is taken directly from the spouse's value for RACCBooks. In addition to the special missing values employed by RACCBooks, SwCCBooks employs two additional special missing values. SwCCBooks employs the special missing value .u, when the respondent reports not being coupled in the current wave, and the special missing value .v, when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RACCBATH, RACCWATERC, RACCWATERH, RACCTOILET, RACCHEATING, and RACCNOFEAT are variables indicating whether the respondent's accommodation had specific features when the respondent was age 10. RACCBATH indicates whether the respondent's accommodation had a fixed bath when the respondent was age 10. RACCWATERC indicates whether the respondent's accommodation had a cold running water supply when the respondent was age 10. RACCWATERH indicates whether the respondent's accommodation had a hot running water supply when the respondent was age 10. RACCTOILET indicates whether the respondent's accommodation had an inside toilet when the respondent was age 10. RACCHEATING indicates whether the respondent's accommodation had central heating when the respondent was age 10. RACCNOFEAT indicates whether the respondent's accommodation had no fixed bath, cold running water supply, hot running water supply, inside toilet, or central heating when the respondent was 10. RACCBATH, RACCWATERC, RACCWATERH, RACCTOILET, and RACCHEATING are assigned a code of 1 if the respondent reported their accommodation had the specific feature when they were age 10, and is assigned a 0 if the respondent reported not having the specific feature. RACCNOFEAT is assigned a value of 1 if the respondent reported their accommodation had none of the specific features, and is assigned a 0 if the respondent reported having at least one of the features. Don't know, refuse, and other missing responses are set to .d, .r, and .m, respectively. These questions are only asked in the ELSA Wave 3 life history interview, so respondents who did not participate in that interview are assigned special missing .l.

SwCCBATH, SwCCWATERC, SwCCWATERH, SwCCCTOILET, SwCCHEATING, and SwCCNOFEAT indicate whether the respondent's current wave's spouse's accommodation had specific features when the respondent's spouse was age 10, and their values are taken from the spouse's values to RACCBATH, RACCWATERC, RACCWATERH, RACCTOILET, RACCHEATING, and RACCNOFEAT. In addition to the special missing codes used in the respondent variables, the spouse variables employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

The questions used to create these variables are only asked during the ELSA Life History interview in Wave 3.

## Differences with the RAND HRS/Harmonized HRS

Variables indicating the number of bedrooms, people, or books in the respondent's household at age 10 are not yet incorporated into the RAND HRS or Harmonized HRS.

HRS does not include questions about the features of the respondent's accommodation when the respondent was age 10.

## ELSA Variables Used

### Index File:

RETROOUT life history interview outcome

### Wave 3 Life History:

RABKS	number of books in home when aged 10
RAFAC1	accommodation facilities: fixed bath
RAFAC2	accommodation facilities: cold running water supply
RAFAC3	accommodation facilities: hot running water supply
RAFAC4	accommodation facilities: inside toilet
RAFAC5	accommodation facilities: central heating
RAFAC96	accommodation facilities: none of these
RAPEO	number of people lived in residence when aged 10
RAROO	number of bedrooms of residence lived in when aged 10

<b>Parental SES: Education</b>
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Wave	Variable	Label	Type
1	RAMOMEDUAGE	ramomeduage:r age mother finished education	Categ
1	S1MOMEDUAGE	s1momeduage:w1 s age mother finished education	Categ
2	S2MOMEDUAGE	s2momeduage:w2 s age mother finished education	Categ
3	S3MOMEDUAGE	s3momeduage:w3 s age mother finished education	Categ
4	S4MOMEDUAGE	s4momeduage:w4 s age mother finished education	Categ
5	S5MOMEDUAGE	s5momeduage:w5 s age mother finished education	Categ
6	S6MOMEDUAGE	s6momeduage:w6 s age mother finished education	Categ
7	S7MOMEDUAGE	s7momeduage:w7 s age mother finished education	Categ
8	S8MOMEDUAGE	s8momeduage:w8 s age mother finished education	Categ
9	S9MOMEDUAGE	s9momeduage:w9 s age mother finished education	Categ
1	RADADEDUAGE	radadeduage:r age father finished education	Categ
1	S1DADEDUAGE	s1dadeduage:w1 s age father finished education	Categ
2	S2DADEDUAGE	s2dadeduage:w2 s age father finished education	Categ
3	S3DADEDUAGE	s3dadeduage:w3 s age father finished education	Categ
4	S4DADEDUAGE	s4dadeduage:w4 s age father finished education	Categ
5	S5DADEDUAGE	s5dadeduage:w5 s age father finished education	Categ
6	S6DADEDUAGE	s6dadeduage:w6 s age father finished education	Categ
7	S7DADEDUAGE	s7dadeduage:w7 s age father finished education	Categ
8	S8DADEDUAGE	s8dadeduage:w8 s age father finished education	Categ
9	S9DADEDUAGE	s9dadeduage:w9 s age father finished education	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAMOMEDUAGE	12229	2.69	1.28	1.00	7.00
S1MOMEDUAGE	4269	2.48	1.15	1.00	7.00
S2MOMEDUAGE	3904	2.49	1.14	1.00	7.00
S3MOMEDUAGE	4619	2.55	1.19	1.00	7.00
S4MOMEDUAGE	6020	2.56	1.20	1.00	7.00
S5MOMEDUAGE	6211	2.55	1.19	1.00	7.00
S6MOMEDUAGE	7051	2.61	1.23	1.00	7.00
S7MOMEDUAGE	6447	2.66	1.26	1.00	7.00
S8MOMEDUAGE	5622	2.68	1.26	1.00	7.00
S9MOMEDUAGE	5693	2.82	1.34	1.00	7.00
RADADEDUAGE	12046	2.73	1.40	1.00	7.00
S1DADEDUAGE	4221	2.58	1.30	1.00	7.00
S2DADEDUAGE	3858	2.58	1.31	1.00	7.00
S3DADEDUAGE	4571	2.63	1.35	1.00	7.00
S4DADEDUAGE	5950	2.62	1.34	1.00	7.00
S5DADEDUAGE	6141	2.62	1.34	1.00	7.00
S6DADEDUAGE	6972	2.67	1.38	1.00	7.00
S7DADEDUAGE	6376	2.73	1.40	1.00	7.00
S8DADEDUAGE	5567	2.73	1.41	1.00	7.00
S9DADEDUAGE	5627	2.86	1.46	1.00	7.00

### Categorical Variable Codes

Value-----	RAMOMEDUAGE
.a:not in the survey when t	7044

.d:DK	525				
.m:Missing	2				
.r:Refuse	2				
1.never went to school	258				
2.age 14 or under	7795				
3.at age 15	1915				
4.at age 16	1223				
5.at age 17	234				
6.at age 18	383				
7.age 19 or over	421				
Value-----	S1MOMEDUAGE	S2MOMEDUAGE	S3MOMEDUAGE	S4MOMEDUAGE	S5MOMEDUAGE
.a:not in the survey when t	3661	2147	1629	1218	585
.d:DK	140	127	132	163	165
.m:Missing			1	1	1
.r:Refuse			1		2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.never went to school	80	66	71	117	131
2.age 14 or under	3208	2917	3330	4283	4399
3.at age 15	416	401	528	718	747
4.at age 16	281	258	356	458	484
5.at age 17	72	69	78	112	115
6.at age 18	106	98	126	164	164
7.age 19 or over	106	95	130	168	171
Value-----	S6MOMEDUAGE	S7MOMEDUAGE	S8MOMEDUAGE	S9MOMEDUAGE	
.d:DK	189	111	64	127	
.m:Missing		1	1		
.r:Refuse	2	1	1		
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.never went to school	146	137	109	108	
2.age 14 or under	4795	4189	3626	3272	
3.at age 15	945	985	877	1043	
4.at age 16	623	610	544	724	
5.at age 17	127	124	110	125	
6.at age 18	204	190	169	188	
7.age 19 or over	211	212	187	233	
Value-----	RADADEDUAGE				
.a:not in the survey when t	7044				
.d:DK	708				
.m:Missing	2				
.r:Refuse	2				
1.never went to school	178				
2.age 14 or under	8006				
3.at age 15	1616				
4.at age 16	1012				
5.at age 17	205				
6.at age 18	374				
7.age 19 or over	655				
Value-----	S1DADEDUAGE	S2DADEDUAGE	S3DADEDUAGE	S4DADEDUAGE	S5DADEDUAGE
.a:not in the survey when t	3661	2147	1629	1218	585
.d:DK	188	173	180	233	235
.m:Missing			1	1	1
.r:Refuse			1		2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.never went to school	49	40	51	71	78
2.age 14 or under	3170	2894	3327	4328	4458
3.at age 15	380	357	461	619	643
4.at age 16	257	231	305	393	408
5.at age 17	67	58	64	87	87
6.at age 18	108	102	131	152	155
7.age 19 or over	190	176	232	300	312
Value-----	S6DADEDUAGE	S7DADEDUAGE	S8DADEDUAGE	S9DADEDUAGE	
.d:DK	268	182	119	193	
.m:Missing		1	1		

.r:Refuse	2	1	1	
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.never went to school	93	86	66	72
2.age 14 or under	4908	4304	3766	3453
3.at age 15	775	807	719	867
4.at age 16	515	522	438	582
5.at age 17	111	112	99	105
6.at age 18	196	186	161	193
7.age 19 or over	374	359	318	355

## How Constructed

RAMOMEDUAGE indicates the age the respondent's mother finished her education. A code of 1 is assigned if the respondent's mother never went to school. A code of 2 is assigned if the respondent's mother finished her education at age 14 or under. A code of 3 is assigned if the respondent's mother finished her education at age 15. A code of 4 is assigned if the respondent's mother finished her education at age 16. A code of 5 is assigned if the respondent's mother finished her education at age 17. A code of 6 is assigned if the respondent's mother finished her education at age 18. A code of 7 is assigned if the respondent's mother finished her education at age 19 or over. Don't know and refused responses are coded as special missing .d and .r, respectively. Special missing .a is assigned if the respondent was not interviewed when the questions were asked as this question was added to the ELSA in Wave 6. Other missing responses are assigned special missing .m.

RADADEDUAGE indicates the age the respondent's father finished his education. A code of 1 is assigned if the respondent's father never went to school. A code of 2 is assigned if the respondent's father finished his education at age 14 or under. A code of 3 is assigned if the respondent's father finished his education at age 15. A code of 4 is assigned if the respondent's father finished his education at age 16. A code of 5 is assigned if the respondent's father finished his education at age 17. A code of 6 is assigned if the respondent's father finished his education at age 18. A code of 7 is assigned if the respondent's father finished his education at age 19 or over. Don't know and refused responses are coded as special missing .d and .r, respectively. Special missing .a is assigned if the respondent was not interviewed when the questions were asked as this question was added to the ELSA in Wave 6. Other missing responses are assigned special missing .m.

SwMOMEDUAGE and SwDADEDUAGE indicate the age the respondent's current wave's spouse's mother and father finished her/his education. They are taken from the spouse's values to RAMOMEDUAGE and RADADEDUAGE. In addition to the special missing codes employed in RAMOMEDUAGE and RADADEDUAGE, SwMOMEDUAGE and SwDADEDUAGE employ two additional special missing codes, .u and .v. If the respondent is not designated as coupled in the current wave and assumed to be single a special missing value of .u is used. If the respondent is not designated as coupled in the current wave but reports being married a special missing value of .v is used. SwMOMEDUAGE and SwDADEDUAGE are assigned plain missing (.) if the respondent's current wave's spouse did not participate in the current wave.

## Cross Wave Differences in ELSA

Starting in Wave 6, questions relating to parental education become available.

## Differences with the RAND HRS/Harmonized HRS

RAMOMEDUAGE and RADADEDUAGE are not available in the RAND HRS or Harmonized HRS. ELSA specifically asked for the age the parent finished their education, not the type of degree they attained as is asked in the HRS.

## ELSA Variables Used

Wave 6 Core:  
 DIMAEDU age mother finished education  
 DIPAEDU age father finished education  
 Wave 7 Core:  
 DIMAEDU age mother finished education  
 DIPAEDU age father finished education  
 Wave 8 Core:



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DIMAEDU	age mother finished education
DIPAEDU	age father finished education
Wave 9 Core:	
DIMAEDU	Age mother finished education
DIPAEDU	Age father finished education

<b>Parental SES: Occupation</b>
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Wave	Variable	Label	Type
1	RAMARELA	ramarela:main carer relationship to the respondent	Categ
1	S1MARELA	s1marela:w1 main carer relationship to the spouse	Categ
2	S2MARELA	s2marela:w2 main carer relationship to the spouse	Categ
3	S3MARELA	s3marela:w3 main carer relationship to the spouse	Categ
4	S4MARELA	s4marela:w4 main carer relationship to the spouse	Categ
5	S5MARELA	s5marela:w5 main carer relationship to the spouse	Categ
6	S6MARELA	s6marela:w6 main carer relationship to the spouse	Categ
7	S7MARELA	s7marela:w7 main carer relationship to the spouse	Categ
8	S8MARELA	s8marela:w8 main carer relationship to the spouse	Categ
9	S9MARELA	s9marela:w9 main carer relationship to the spouse	Categ
1	RAMAOCCUP	ramaoccup:r main carer occupation at age 14	Categ
1	S1MAOCCUP	s1maoccup:w1 s main carer occupation at age 14	Categ
2	S2MAOCCUP	s2maoccup:w2 s main carer occupation at age 14	Categ
3	S3MAOCCUP	s3maoccup:w3 s main carer occupation at age 14	Categ
4	S4MAOCCUP	s4maoccup:w4 s main carer occupation at age 14	Categ
5	S5MAOCCUP	s5maoccup:w5 s main carer occupation at age 14	Categ
6	S6MAOCCUP	s6maoccup:w6 s main carer occupation at age 14	Categ
7	S7MAOCCUP	s7maoccup:w7 s main carer occupation at age 14	Categ
8	S8MAOCCUP	s8maoccup:w8 s main carer occupation at age 14	Categ
9	S9MAOCCUP	s9maoccup:w9 s main carer occupation at age 14	Categ

### Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAMARELA	19663	1.56	1.63	1.00	9.00
S1MARELA	8005	1.51	1.59	1.00	9.00
S2MARELA	6139	1.49	1.55	1.00	9.00
S3MARELA	6352	1.45	1.49	1.00	9.00
S4MARELA	7341	1.47	1.51	1.00	9.00
S5MARELA	6921	1.47	1.52	1.00	9.00
S6MARELA	7198	1.46	1.50	1.00	9.00
S7MARELA	6525	1.45	1.46	1.00	9.00
S8MARELA	5661	1.44	1.45	1.00	9.00
S9MARELA	5794	1.47	1.48	1.00	9.00
RAMAOCCUP	18850	2.20	1.06	1.00	4.00
S1MAOCCUP	7708	2.24	1.06	1.00	4.00
S2MAOCCUP	5933	2.21	1.05	1.00	4.00
S3MAOCCUP	6131	2.17	1.05	1.00	4.00
S4MAOCCUP	7088	2.15	1.06	1.00	4.00
S5MAOCCUP	6677	2.14	1.05	1.00	4.00
S6MAOCCUP	6946	2.13	1.05	1.00	4.00
S7MAOCCUP	6304	2.10	1.04	1.00	4.00
S8MAOCCUP	5484	2.10	1.04	1.00	4.00
S9MAOCCUP	5599	2.06	1.03	1.00	4.00

### Categorical Variable Codes

Value	RAMARELA
.d:DK	7

.n:children home	32				
.m:Missing	93				
.r:Refuse	7				
1.both natural parents	16917				
2.natural mother and step-f	338				
3.natural father and step-m	132				
4.natural mother	1329				
5.natural father	222				
6.step-parents	9				
7.foster parents	45				
8.adoptive parents	170				
9.other	501				
Value-----	S1MARELA	S2MARELA	S3MARELA	S4MARELA	S5MARELA
.d:DK	5		1	2	2
.n:children home	56		1	12	3
.m:Missing		39	30	44	37
.r:Refuse	4			3	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.both natural parents	6991	5377	5622	6489	6117
2.natural mother and step-f	130	104	102	111	105
3.natural father and step-m	47	37	33	42	39
4.natural mother	478	361	345	393	370
5.natural father	76	59	61	76	72
6.step-parents	3	1	2	2	2
7.foster parents	19	11	8	15	16
8.adoptive parents	60	43	47	57	50
9.other	201	146	132	156	150
Value-----	S6MARELA	S7MARELA	S8MARELA	S9MARELA	
.d:DK				1	
.n:children home	7	3		3	
.m:Missing	36	32	27	22	
.r:Refuse	1				
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.both natural parents	6356	5765	5011	5081	
2.natural mother and step-f	116	115	101	120	
3.natural father and step-m	45	41	29	31	
4.natural mother	387	347	302	333	
5.natural father	77	73	62	61	
6.step-parents	2	3	1	3	
7.foster parents	12	9	7	7	
8.adoptive parents	54	52	48	50	
9.other	149	120	100	108	
Value-----	RAMAOCCUP				
.d:DK	74				
.h:live in children home	32				
.m:Missing	672				
.n:unemployed	82				
.r:Refuse	4				
.s:sick/diabled	50				
.w:retired	38				
1.white collar	5013				
2.blue collar	9178				
3.military	523				
4.other	4136				
Value-----	S1MAOCCUP	S2MAOCCUP	S3MAOCCUP	S4MAOCCUP	S5MAOCCUP
.d:DK	48	9	17	20	6
.h:live in children home	56		1	12	3
.m:Missing		227	191	217	268
.n:unemployed	102	8	23	29	3
.r:Refuse	6			1	
.s:sick/diabled	87		13	21	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
.w:retired	63	1	8	14	5
1.white collar	1903	1516	1684	2036	1933

2.blue collar	3842	2966	3005	3411	3216
3.military	200	157	164	183	170
4.other	1763	1294	1278	1458	1358
Value-----	S6MAOCCUP	S7MAOCCUP	S8MAOCCUP	S9MAOCCUP	
.d:DK	16	10	3	14	
.h:live in children home	7	3		3	
.m:Missing	243	232	197	176	
.n:unemployed	14	5	1	14	
.r:Refuse		1			
.s:sick/disabled	8	5	3	9	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
.w:retired	8			5	
1.white collar	2030	1912	1662	1797	
2.blue collar	3350	3035	2650	2677	
3.military	186	156	127	126	
4.other	1380	1201	1045	999	

## How Constructed

RAMARELA indicates the relationship between the respondent and the main household providers when the respondent was 14 years old. A code of 1 is assigned if the main household providers are both the respondent's natural parents. A code of 2 is assigned if the main household providers are the respondent's natural mother and step-father. A code of 3 is assigned if the main household providers are the respondent's natural father and step-mother. A code of 4 is assigned if the main household provider is the respondent's natural mother. A code of 5 is assigned if the main household provider is the respondent's natural father. A code of 6 is assigned if the main household providers are the respondent's step-parents. A code of 7 is assigned if the main household providers are the respondent's foster parents. A code of 8 is assigned if the main household providers are the respondent's adoptive parents. A code of 9 is assigned if the main household providers have a relationship other than those listed above. Special missing .h is assigned if the respondent lived in a children's home. Don't know, refused, or missing responses are assigned special missing values .d, .r or .m, respectively.

SwMARELA indicates the relationship between the respondent's current wave's spouse and his/her main household provider at age 14 and is taken from the spouse's values to RAMARELA. In addition to the special missing codes used in RAMARELA, SwMARELA employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed. SwMARELA is assigned plain missing (.) if the respondent's current wave's spouse did not participate in the current wave.

RAMAOCCUP indicates the respondent's main household provider's occupation when the respondent was 14 years old. A code of 1 is assigned if the occupation is categorized as white collar, which includes manager, senior official in someone else's business, running his own business, professional, or technical. A code of 2 is assigned if the occupation is categorized as blue collar, which includes administrative, clerical or secretarial, skilled trade, caring, leisure, travel or personal service, sales, customer service, plant, process or machine driver, or operators. A code of 3 is assigned if the occupation was serving in the military. A code of 4 is assigned if the occupation was other than white collar, blue collar or serving in the military. Special missing .h is assigned if the respondent lived in a children's home at the age of 14. Special missing .w is assigned if the main household provider was retired. Special missing .n is assigned if the main household provider was unemployed. Special missing .s is assigned if the main household provider was sick/disabled. Don't know, refused, or missing responses are assigned special missing values .d, .r or .m, respectively.

SwMAOCCUP indicates the respondent's current wave's spouse's main household provider's occupation at age 14 and its values are taken from the spouse's values to RAMAOCCUP. In addition to the special missing codes used in RAMAOCCUP, SwMAOCCUP employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed. SwMAOCCUP is assigned plain missing (.) if the respondent's current wave's spouse did not participate in the current wave.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

The relationship between the respondent and his/her main household provider at age 14 is not available in HRS.

Unlike HRS, ELSA asked the respondent about the main household provider's occupation at age 14, while the HRS asks at age 16. Also, ELSA uses a different occupation list than HRS.

## ELSA Variables Used

### Wave 1 Core:

DIFJOB            what was your father~s (or main carer~s) job when you we  
 DIKLIV            who did you live with for most of your childhood?

### Wave 2 Core:

DIFJOB            Occupation of father (or main carer) when respondent was  
 DIKLIV            Whom respondent lived with for most of childhood

### Wave 3 Core:

DIFJOB            occupation of father (or main carer) when respondent was  
 DIKLIV            whom respondent lived with for most of childhood

### Wave 4 Core:

DIFJOB            occupation of father (or main carer) when respondent was  
 DIKLIV            whom respondent lived with for most of childhood

### Wave 5 Core:

DIFJOB            Occupation of father (or main carer) when respondent was  
 DIKLIV            Whom respondent lived with for most of childhood

### Wave 6 Core:

DIFJOB            occupation of father (or main carer) when respondent was  
 DIKLIV            whom respondent lived with for most of childhood

### Wave 7 Core:

DIFJOB            occupation of father (or main carer) when respondent was  
 DIKLIV            whom respondent lived with for most of childhood

### Wave 8 Core:

DIFJOB            occupation of father (or main carer) when respondent was  
 DIKLIV            whom respondent lived with for most of childhood

### Wave 9 Core:

DIFJOB            Occupation of father (or main carer) when respondent was  
 DIKLIV            Whom respondent lived with for most of childhood

<b>Childhood Health</b>
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Wave	Variable	Label	Type
1	RACHSHLT	rachshlt: r childhood health status	Categ
1	S1CHSHLT	s1chshlt:w1 s childhood health status	Categ
2	S2CHSHLT	s2chshlt:w2 s childhood health status	Categ
3	S3CHSHLT	s3chshlt:w3 s childhood health status	Categ
4	S4CHSHLT	s4chshlt:w4 s childhood health status	Categ
5	S5CHSHLT	s5chshlt:w5 s childhood health status	Categ
6	S6CHSHLT	s6chshlt:w6 s childhood health status	Categ
7	S7CHSHLT	s7chshlt:w7 s childhood health status	Categ
8	S8CHSHLT	s8chshlt:w8 s childhood health status	Categ
9	S9CHSHLT	s9chshlt:w9 s childhood health status	Categ
1	RACHINFECT	rachinfect: r childhood illness: infectious disease	Categ
1	S1CHINFECT	s1chinfect:w1 s childhood illness: infectious disease	Categ
2	S2CHINFECT	s2chinfect:w2 s childhood illness: infectious disease	Categ
3	S3CHINFECT	s3chinfect:w3 s childhood illness: infectious disease	Categ
4	S4CHINFECT	s4chinfect:w4 s childhood illness: infectious disease	Categ
5	S5CHINFECT	s5chinfect:w5 s childhood illness: infectious disease	Categ
6	S6CHINFECT	s6chinfect:w6 s childhood illness: infectious disease	Categ
7	S7CHINFECT	s7chinfect:w7 s childhood illness: infectious disease	Categ
8	S8CHINFECT	s8chinfect:w8 s childhood illness: infectious disease	Categ
9	S9CHINFECT	s9chinfect:w9 s childhood illness: infectious disease	Categ
1	RACHASTHMA	rachasthma: r childhood illness: asthma	Categ
1	S1CHASTHMA	s1chasthma:w1 s childhood illness: asthma	Categ
2	S2CHASTHMA	s2chasthma:w2 s childhood illness: asthma	Categ
3	S3CHASTHMA	s3chasthma:w3 s childhood illness: asthma	Categ
4	S4CHASTHMA	s4chasthma:w4 s childhood illness: asthma	Categ
5	S5CHASTHMA	s5chasthma:w5 s childhood illness: asthma	Categ
6	S6CHASTHMA	s6chasthma:w6 s childhood illness: asthma	Categ
7	S7CHASTHMA	s7chasthma:w7 s childhood illness: asthma	Categ
8	S8CHASTHMA	s8chasthma:w8 s childhood illness: asthma	Categ
9	S9CHASTHMA	s9chasthma:w9 s childhood illness: asthma	Categ
1	RACHRESP	rachresp: r childhood illness: respiratory problems other th	Categ
1	S1CHRESP	s1chresp:w1 s childhood illness: respiratory problems other	Categ
2	S2CHRESP	s2chresp:w2 s childhood illness: respiratory problems other	Categ
3	S3CHRESP	s3chresp:w3 s childhood illness: respiratory problems other	Categ
4	S4CHRESP	s4chresp:w4 s childhood illness: respiratory problems other	Categ
5	S5CHRESP	s5chresp:w5 s childhood illness: respiratory problems other	Categ
6	S6CHRESP	s6chresp:w6 s childhood illness: respiratory problems other	Categ
7	S7CHRESP	s7chresp:w7 s childhood illness: respiratory problems other	Categ
8	S8CHRESP	s8chresp:w8 s childhood illness: respiratory problems other	Categ
9	S9CHRESP	s9chresp:w9 s childhood illness: respiratory problems other	Categ
1	RACHALLERG	rachallerg: r childhood illness: allergies (other than asthm	Categ
1	S1CHALLERG	s1challerg:w1 s childhood illness: allergies (other than ast	Categ
2	S2CHALLERG	s2challerg:w2 s childhood illness: allergies (other than ast	Categ
3	S3CHALLERG	s3challerg:w3 s childhood illness: allergies (other than ast	Categ
4	S4CHALLERG	s4challerg:w4 s childhood illness: allergies (other than ast	Categ
5	S5CHALLERG	s5challerg:w5 s childhood illness: allergies (other than ast	Categ
6	S6CHALLERG	s6challerg:w6 s childhood illness: allergies (other than ast	Categ
7	S7CHALLERG	s7challerg:w7 s childhood illness: allergies (other than ast	Categ

8	S8CHALLERG	s8challerg:w8	s childhood illness: allergies (other than ast	Categ
9	S9CHALLERG	s9challerg:w9	s childhood illness: allergies (other than ast	Categ
1	RACHEARPR	rachearpr: r	childhood illness: chronic ear problems	Categ
1	S1CHEARPR	s1chearpr:w1	s childhood illness: chronic ear problems	Categ
2	S2CHEARPR	s2chearpr:w2	s childhood illness: chronic ear problems	Categ
3	S3CHEARPR	s3chearpr:w3	s childhood illness: chronic ear problems	Categ
4	S4CHEARPR	s4chearpr:w4	s childhood illness: chronic ear problems	Categ
5	S5CHEARPR	s5chearpr:w5	s childhood illness: chronic ear problems	Categ
6	S6CHEARPR	s6chearpr:w6	s childhood illness: chronic ear problems	Categ
7	S7CHEARPR	s7chearpr:w7	s childhood illness: chronic ear problems	Categ
8	S8CHEARPR	s8chearpr:w8	s childhood illness: chronic ear problems	Categ
9	S9CHEARPR	s9chearpr:w9	s childhood illness: chronic ear problems	Categ
1	RACHHDACHE	rachhdache: r	childhood illness: severe headaches or migrain	Categ
1	S1CHHDACHE	s1chhdache:w1	s childhood illness: severe headaches or migra	Categ
2	S2CHHDACHE	s2chhdache:w2	s childhood illness: severe headaches or migra	Categ
3	S3CHHDACHE	s3chhdache:w3	s childhood illness: severe headaches or migra	Categ
4	S4CHHDACHE	s4chhdache:w4	s childhood illness: severe headaches or migra	Categ
5	S5CHHDACHE	s5chhdache:w5	s childhood illness: severe headaches or migra	Categ
6	S6CHHDACHE	s6chhdache:w6	s childhood illness: severe headaches or migra	Categ
7	S7CHHDACHE	s7chhdache:w7	s childhood illness: severe headaches or migra	Categ
8	S8CHHDACHE	s8chhdache:w8	s childhood illness: severe headaches or migra	Categ
9	S9CHHDACHE	s9chhdache:w9	s childhood illness: severe headaches or migra	Categ
1	RACHEPILEPSY	rachepilepsy: r	childhood illness: epilepsy, fits or seizure	Categ
1	S1CHEPILEPSY	s1chepilepsy:w1	s childhood illness: epilepsy, fits or seizu	Categ
2	S2CHEPILEPSY	s2chepilepsy:w2	s childhood illness: epilepsy, fits or seizu	Categ
3	S3CHEPILEPSY	s3chepilepsy:w3	s childhood illness: epilepsy, fits or seizu	Categ
4	S4CHEPILEPSY	s4chepilepsy:w4	s childhood illness: epilepsy, fits or seizu	Categ
5	S5CHEPILEPSY	s5chepilepsy:w5	s childhood illness: epilepsy, fits or seizu	Categ
6	S6CHEPILEPSY	s6chepilepsy:w6	s childhood illness: epilepsy, fits or seizu	Categ
7	S7CHEPILEPSY	s7chepilepsy:w7	s childhood illness: epilepsy, fits or seizu	Categ
8	S8CHEPILEPSY	s8chepilepsy:w8	s childhood illness: epilepsy, fits or seizu	Categ
9	S9CHEPILEPSY	s9chepilepsy:w9	s childhood illness: epilepsy, fits or seizu	Categ
1	RACHPSYCH	rachpsych: r	childhood illness: emotional, nervous, or psych	Categ
1	S1CHPSYCH	s1chpsych:w1	s childhood illness: emotional, nervous, or psy	Categ
2	S2CHPSYCH	s2chpsych:w2	s childhood illness: emotional, nervous, or psy	Categ
3	S3CHPSYCH	s3chpsych:w3	s childhood illness: emotional, nervous, or psy	Categ
4	S4CHPSYCH	s4chpsych:w4	s childhood illness: emotional, nervous, or psy	Categ
5	S5CHPSYCH	s5chpsych:w5	s childhood illness: emotional, nervous, or psy	Categ
6	S6CHPSYCH	s6chpsych:w6	s childhood illness: emotional, nervous, or psy	Categ
7	S7CHPSYCH	s7chpsych:w7	s childhood illness: emotional, nervous, or psy	Categ
8	S8CHPSYCH	s8chpsych:w8	s childhood illness: emotional, nervous, or psy	Categ
9	S9CHPSYCH	s9chpsych:w9	s childhood illness: emotional, nervous, or psy	Categ
1	RACHBONES	rachbones: r	childhood illness: broken bones, fractures	Categ
1	S1CHBONES	s1chbones:w1	s childhood illness: broken bones, fractures	Categ
2	S2CHBONES	s2chbones:w2	s childhood illness: broken bones, fractures	Categ
3	S3CHBONES	s3chbones:w3	s childhood illness: broken bones, fractures	Categ
4	S4CHBONES	s4chbones:w4	s childhood illness: broken bones, fractures	Categ
5	S5CHBONES	s5chbones:w5	s childhood illness: broken bones, fractures	Categ
6	S6CHBONES	s6chbones:w6	s childhood illness: broken bones, fractures	Categ
7	S7CHBONES	s7chbones:w7	s childhood illness: broken bones, fractures	Categ
8	S8CHBONES	s8chbones:w8	s childhood illness: broken bones, fractures	Categ
9	S9CHBONES	s9chbones:w9	s childhood illness: broken bones, fractures	Categ

1	RACHAPDCTS	rachappdcts: r childhood illness: appendicitis	Categ
1	S1CHAPDCTS	s1chappdcts:w1 s childhood illness: appendicitis	Categ
2	S2CHAPDCTS	s2chappdcts:w2 s childhood illness: appendicitis	Categ
3	S3CHAPDCTS	s3chappdcts:w3 s childhood illness: appendicitis	Categ
4	S4CHAPDCTS	s4chappdcts:w4 s childhood illness: appendicitis	Categ
5	S5CHAPDCTS	s5chappdcts:w5 s childhood illness: appendicitis	Categ
6	S6CHAPDCTS	s6chappdcts:w6 s childhood illness: appendicitis	Categ
7	S7CHAPDCTS	s7chappdcts:w7 s childhood illness: appendicitis	Categ
8	S8CHAPDCTS	s8chappdcts:w8 s childhood illness: appendicitis	Categ
9	S9CHAPDCTS	s9chappdcts:w9 s childhood illness: appendicitis	Categ
1	RACHDIAB	rachdiab: r childhood illness: childhood diabetes or high bl	Categ
1	S1CHDIAB	s1chdiab:w1 s childhood illness: childhood diabetes or high	Categ
2	S2CHDIAB	s2chdiab:w2 s childhood illness: childhood diabetes or high	Categ
3	S3CHDIAB	s3chdiab:w3 s childhood illness: childhood diabetes or high	Categ
4	S4CHDIAB	s4chdiab:w4 s childhood illness: childhood diabetes or high	Categ
5	S5CHDIAB	s5chdiab:w5 s childhood illness: childhood diabetes or high	Categ
6	S6CHDIAB	s6chdiab:w6 s childhood illness: childhood diabetes or high	Categ
7	S7CHDIAB	s7chdiab:w7 s childhood illness: childhood diabetes or high	Categ
8	S8CHDIAB	s8chdiab:w8 s childhood illness: childhood diabetes or high	Categ
9	S9CHDIAB	s9chdiab:w9 s childhood illness: childhood diabetes or high	Categ
1	RACHHEART	rachheart: r childhood illness: heart trouble	Categ
1	S1CHHEART	s1chheart:w1 s childhood illness: heart trouble	Categ
2	S2CHHEART	s2chheart:w2 s childhood illness: heart trouble	Categ
3	S3CHHEART	s3chheart:w3 s childhood illness: heart trouble	Categ
4	S4CHHEART	s4chheart:w4 s childhood illness: heart trouble	Categ
5	S5CHHEART	s5chheart:w5 s childhood illness: heart trouble	Categ
6	S6CHHEART	s6chheart:w6 s childhood illness: heart trouble	Categ
7	S7CHHEART	s7chheart:w7 s childhood illness: heart trouble	Categ
8	S8CHHEART	s8chheart:w8 s childhood illness: heart trouble	Categ
9	S9CHHEART	s9chheart:w9 s childhood illness: heart trouble	Categ
1	RACHLEUK	rachleuk: r childhood illness: leukaemia or lymphoma	Categ
1	S1CHLEUK	s1chleuk:w1 s childhood illness: leukaemia or lymphoma	Categ
2	S2CHLEUK	s2chleuk:w2 s childhood illness: leukaemia or lymphoma	Categ
3	S3CHLEUK	s3chleuk:w3 s childhood illness: leukaemia or lymphoma	Categ
4	S4CHLEUK	s4chleuk:w4 s childhood illness: leukaemia or lymphoma	Categ
5	S5CHLEUK	s5chleuk:w5 s childhood illness: leukaemia or lymphoma	Categ
6	S6CHLEUK	s6chleuk:w6 s childhood illness: leukaemia or lymphoma	Categ
7	S7CHLEUK	s7chleuk:w7 s childhood illness: leukaemia or lymphoma	Categ
8	S8CHLEUK	s8chleuk:w8 s childhood illness: leukaemia or lymphoma	Categ
9	S9CHLEUK	s9chleuk:w9 s childhood illness: leukaemia or lymphoma	Categ
1	RACHCANCER	rachcancer: r childhood illness: cancer or malignant tumor (	Categ
1	S1CHCANCER	s1chcancer:w1 s childhood illness: cancer or malignant tumor	Categ
2	S2CHCANCER	s2chcancer:w2 s childhood illness: cancer or malignant tumor	Categ
3	S3CHCANCER	s3chcancer:w3 s childhood illness: cancer or malignant tumor	Categ
4	S4CHCANCER	s4chcancer:w4 s childhood illness: cancer or malignant tumor	Categ
5	S5CHCANCER	s5chcancer:w5 s childhood illness: cancer or malignant tumor	Categ
6	S6CHCANCER	s6chcancer:w6 s childhood illness: cancer or malignant tumor	Categ
7	S7CHCANCER	s7chcancer:w7 s childhood illness: cancer or malignant tumor	Categ
8	S8CHCANCER	s8chcancer:w8 s childhood illness: cancer or malignant tumor	Categ
9	S9CHCANCER	s9chcancer:w9 s childhood illness: cancer or malignant tumor	Categ

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
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RACHSHLT	7843	2.14	1.11	1.00	6.00
S1CHSHLT	4501	2.14	1.10	1.00	6.00
S2CHSHLT	4254	2.13	1.10	1.00	6.00
S3CHSHLT	5175	2.11	1.10	1.00	6.00
S4CHSHLT	4569	2.11	1.11	1.00	6.00
S5CHSHLT	4286	2.10	1.11	1.00	6.00
S6CHSHLT	3948	2.09	1.11	1.00	6.00
S7CHSHLT	3471	2.08	1.11	1.00	6.00
S8CHSHLT	3034	2.07	1.09	1.00	6.00
S9CHSHLT	2647	2.06	1.09	1.00	6.00
RACHINFECT	7826	0.91	0.28	0.00	1.00
S1CHINFECT	4496	0.92	0.27	0.00	1.00
S2CHINFECT	4249	0.92	0.27	0.00	1.00
S3CHINFECT	5166	0.92	0.27	0.00	1.00
S4CHINFECT	4561	0.93	0.26	0.00	1.00
S5CHINFECT	4282	0.93	0.26	0.00	1.00
S6CHINFECT	3945	0.93	0.26	0.00	1.00
S7CHINFECT	3468	0.93	0.25	0.00	1.00
S8CHINFECT	3031	0.93	0.25	0.00	1.00
S9CHINFECT	2645	0.93	0.26	0.00	1.00
RACHASTHMA	7826	0.03	0.18	0.00	1.00
S1CHASTHMA	4496	0.03	0.18	0.00	1.00
S2CHASTHMA	4249	0.03	0.18	0.00	1.00
S3CHASTHMA	5166	0.04	0.19	0.00	1.00
S4CHASTHMA	4561	0.04	0.19	0.00	1.00
S5CHASTHMA	4282	0.04	0.19	0.00	1.00
S6CHASTHMA	3945	0.04	0.19	0.00	1.00
S7CHASTHMA	3468	0.04	0.19	0.00	1.00
S8CHASTHMA	3031	0.04	0.20	0.00	1.00
S9CHASTHMA	2645	0.04	0.20	0.00	1.00
RACHRESP	7826	0.09	0.29	0.00	1.00
S1CHRESP	4496	0.10	0.29	0.00	1.00
S2CHRESP	4249	0.10	0.29	0.00	1.00
S3CHRESP	5166	0.09	0.29	0.00	1.00
S4CHRESP	4561	0.09	0.29	0.00	1.00
S5CHRESP	4282	0.09	0.29	0.00	1.00
S6CHRESP	3945	0.09	0.29	0.00	1.00
S7CHRESP	3468	0.09	0.29	0.00	1.00
S8CHRESP	3031	0.09	0.29	0.00	1.00
S9CHRESP	2645	0.10	0.29	0.00	1.00
RACHALLERG	7826	0.06	0.24	0.00	1.00
S1CHALLERG	4496	0.06	0.24	0.00	1.00
S2CHALLERG	4249	0.06	0.24	0.00	1.00
S3CHALLERG	5166	0.07	0.25	0.00	1.00
S4CHALLERG	4561	0.07	0.26	0.00	1.00
S5CHALLERG	4282	0.07	0.26	0.00	1.00
S6CHALLERG	3945	0.07	0.26	0.00	1.00
S7CHALLERG	3468	0.08	0.27	0.00	1.00
S8CHALLERG	3031	0.08	0.27	0.00	1.00
S9CHALLERG	2645	0.08	0.27	0.00	1.00
RACHEARPR	7826	0.07	0.26	0.00	1.00

S1CHEARPR	4496	0.07	0.25	0.00	1.00
S2CHEARPR	4249	0.07	0.26	0.00	1.00
S3CHEARPR	5166	0.07	0.26	0.00	1.00
S4CHEARPR	4561	0.07	0.26	0.00	1.00
S5CHEARPR	4282	0.07	0.26	0.00	1.00
S6CHEARPR	3945	0.08	0.27	0.00	1.00
S7CHEARPR	3468	0.07	0.26	0.00	1.00
S8CHEARPR	3031	0.07	0.26	0.00	1.00
S9CHEARPR	2645	0.07	0.25	0.00	1.00
RACHHDACHE	7826	0.05	0.22	0.00	1.00
S1CHHDACHE	4496	0.05	0.22	0.00	1.00
S2CHHDACHE	4249	0.05	0.22	0.00	1.00
S3CHHDACHE	5166	0.05	0.22	0.00	1.00
S4CHHDACHE	4561	0.05	0.22	0.00	1.00
S5CHHDACHE	4282	0.05	0.22	0.00	1.00
S6CHHDACHE	3945	0.05	0.22	0.00	1.00
S7CHHDACHE	3468	0.05	0.22	0.00	1.00
S8CHHDACHE	3031	0.05	0.22	0.00	1.00
S9CHHDACHE	2645	0.05	0.23	0.00	1.00
RACHEPILEPSY	7826	0.01	0.09	0.00	1.00
S1CHEPILEPSY	4496	0.01	0.08	0.00	1.00
S2CHEPILEPSY	4249	0.01	0.09	0.00	1.00
S3CHEPILEPSY	5166	0.01	0.09	0.00	1.00
S4CHEPILEPSY	4561	0.01	0.09	0.00	1.00
S5CHEPILEPSY	4282	0.01	0.09	0.00	1.00
S6CHEPILEPSY	3945	0.01	0.09	0.00	1.00
S7CHEPILEPSY	3468	0.01	0.09	0.00	1.00
S8CHEPILEPSY	3031	0.01	0.09	0.00	1.00
S9CHEPILEPSY	2645	0.01	0.08	0.00	1.00
RACHPSYCH	7826	0.02	0.14	0.00	1.00
S1CHPSYCH	4496	0.02	0.12	0.00	1.00
S2CHPSYCH	4249	0.02	0.12	0.00	1.00
S3CHPSYCH	5166	0.02	0.13	0.00	1.00
S4CHPSYCH	4561	0.02	0.13	0.00	1.00
S5CHPSYCH	4282	0.02	0.13	0.00	1.00
S6CHPSYCH	3945	0.02	0.13	0.00	1.00
S7CHPSYCH	3468	0.02	0.13	0.00	1.00
S8CHPSYCH	3031	0.02	0.13	0.00	1.00
S9CHPSYCH	2645	0.02	0.13	0.00	1.00
RACHBONES	7826	0.16	0.37	0.00	1.00
S1CHBONES	4496	0.16	0.37	0.00	1.00
S2CHBONES	4249	0.16	0.37	0.00	1.00
S3CHBONES	5166	0.18	0.38	0.00	1.00
S4CHBONES	4561	0.18	0.38	0.00	1.00
S5CHBONES	4282	0.18	0.38	0.00	1.00
S6CHBONES	3945	0.18	0.38	0.00	1.00
S7CHBONES	3468	0.18	0.38	0.00	1.00
S8CHBONES	3031	0.19	0.39	0.00	1.00
S9CHBONES	2645	0.19	0.39	0.00	1.00
RACHAPPDCTS	7826	0.06	0.23	0.00	1.00
S1CHAPPDCTS	4496	0.06	0.24	0.00	1.00
S2CHAPPDCTS	4249	0.06	0.23	0.00	1.00
S3CHAPPDCTS	5166	0.06	0.23	0.00	1.00

S4CHAPPDCTS	4561	0.06	0.24	0.00	1.00
S5CHAPPDCTS	4282	0.06	0.24	0.00	1.00
S6CHAPPDCTS	3945	0.06	0.24	0.00	1.00
S7CHAPPDCTS	3468	0.06	0.24	0.00	1.00
S8CHAPPDCTS	3031	0.07	0.25	0.00	1.00
S9CHAPPDCTS	2645	0.06	0.24	0.00	1.00
RACHDIAB	7826	0.00	0.02	0.00	1.00
S1CHDIAB	4496	0.00	0.00	0.00	0.00
S2CHDIAB	4249	0.00	0.00	0.00	0.00
S3CHDIAB	5166	0.00	0.02	0.00	1.00
S4CHDIAB	4561	0.00	0.02	0.00	1.00
S5CHDIAB	4282	0.00	0.02	0.00	1.00
S6CHDIAB	3945	0.00	0.02	0.00	1.00
S7CHDIAB	3468	0.00	0.02	0.00	1.00
S8CHDIAB	3031	0.00	0.03	0.00	1.00
S9CHDIAB	2645	0.00	0.03	0.00	1.00
RACHHEART	7826	0.01	0.11	0.00	1.00
S1CHHEART	4496	0.01	0.11	0.00	1.00
S2CHHEART	4249	0.01	0.11	0.00	1.00
S3CHHEART	5166	0.01	0.11	0.00	1.00
S4CHHEART	4561	0.01	0.11	0.00	1.00
S5CHHEART	4282	0.01	0.11	0.00	1.00
S6CHHEART	3945	0.01	0.11	0.00	1.00
S7CHHEART	3468	0.01	0.11	0.00	1.00
S8CHHEART	3031	0.01	0.11	0.00	1.00
S9CHHEART	2645	0.01	0.11	0.00	1.00
RACHLEUK	7826	0.00	0.00	0.00	0.00
S1CHLEUK	4496	0.00	0.00	0.00	0.00
S2CHLEUK	4249	0.00	0.00	0.00	0.00
S3CHLEUK	5166	0.00	0.00	0.00	0.00
S4CHLEUK	4561	0.00	0.00	0.00	0.00
S5CHLEUK	4282	0.00	0.00	0.00	0.00
S6CHLEUK	3945	0.00	0.00	0.00	0.00
S7CHLEUK	3468	0.00	0.00	0.00	0.00
S8CHLEUK	3031	0.00	0.00	0.00	0.00
S9CHLEUK	2645	0.00	0.00	0.00	0.00
RACHCANCER	7826	0.00	0.03	0.00	1.00
S1CHCANCER	4496	0.00	0.03	0.00	1.00
S2CHCANCER	4249	0.00	0.03	0.00	1.00
S3CHCANCER	5166	0.00	0.02	0.00	1.00
S4CHCANCER	4561	0.00	0.02	0.00	1.00
S5CHCANCER	4282	0.00	0.03	0.00	1.00
S6CHCANCER	3945	0.00	0.03	0.00	1.00
S7CHCANCER	3468	0.00	0.00	0.00	0.00
S8CHCANCER	3031	0.00	0.00	0.00	0.00
S9CHCANCER	2645	0.00	0.00	0.00	0.00

### Categorical Variable Codes

Value-----	RACHSHLT
.d:DK	3
.1:no life history iw	11952
.m:Missing	4
1.excellent	2710
2.very good	2603

3.good	1593				
4.fair	645				
5.poor	259				
6.health varied a great dea	33				
Value-----	S1CHSHLT	S2CHSHLT	S3CHSHLT	S4CHSHLT	S5CHSHLT
.d:DK	1				
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing			1	1	1
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
1.excellent	1558	1479	1874	1662	1589
2.very good	1486	1400	1673	1463	1351
3.good	922	875	1028	898	834
4.fair	378	354	426	392	372
5.poor	135	128	154	133	119
6.health varied a great dea	22	18	20	21	21
Value-----	S6CHSHLT	S7CHSHLT	S8CHSHLT	S9CHSHLT	
.l:no life history ivw	3293	3088	2653	3172	
.m:Missing	1	1	1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.excellent	1498	1313	1146	1021	
2.very good	1220	1083	963	828	
3.good	763	675	588	518	
4.fair	337	285	245	198	
5.poor	109	98	79	70	
6.health varied a great dea	21	17	13	12	
Value-----	RACHINFECT				
.d:DK	14				
.l:no life history ivw	11952				
.m:Missing	10				
0.no	681				
1.yes	7145				
Value-----	S1CHINFECT	S2CHINFECT	S3CHINFECT	S4CHINFECT	S5CHINFECT
.d:DK	3	2	5	4	3
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	3	3	5	5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	360	335	405	338	318
1.yes	4136	3914	4761	4223	3964
Value-----	S6CHINFECT	S7CHINFECT	S8CHINFECT	S9CHINFECT	
.d:DK	3	3	3	2	
.l:no life history ivw	3293	3088	2653	3172	
.m:Missing	1	1	1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	281	242	204	187	
1.yes	3664	3226	2827	2458	
Value-----	RACHASTHMA				
.d:DK	14				
.l:no life history ivw	11952				
.m:Missing	10				
0.no	7556				
1.yes	270				
Value-----	S1CHASTHMA	S2CHASTHMA	S3CHASTHMA	S4CHASTHMA	S5CHASTHMA
.d:DK	3	2	5	4	3
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	3	3	5	5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4348	4110	4981	4388	4121
1.yes	148	139	185	173	161

Value-----	S6CHASTHMA	S7CHASTHMA	S8CHASTHMA	S9CHASTHMA	
.d:DK	3	3	3	2	
.l:no life history ivw	3293	3088	2653	3172	
.m:Missing	1	1	1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3802	3337	2906	2536	
1.yes	143	131	125	109	
Value-----	RACHRESP				
.d:DK	14				
.l:no life history ivw	11952				
.m:Missing	10				
0.no	7125				
1.yes	701				
Value-----	S1CHRESP	S2CHRESP	S3CHRESP	S4CHRESP	S5CHRESP
.d:DK	3	2	5	4	3
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	3	3	5	5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4068	3844	4694	4142	3891
1.yes	428	405	472	419	391
Value-----	S6CHRESP	S7CHRESP	S8CHRESP	S9CHRESP	
.d:DK	3	3	3	2	
.l:no life history ivw	3293	3088	2653	3172	
.m:Missing	1	1	1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3587	3144	2748	2392	
1.yes	358	324	283	253	
Value-----	RACHALLERG				
.d:DK	14				
.l:no life history ivw	11952				
.m:Missing	10				
0.no	7333				
1.yes	493				
Value-----	S1CHALLERG	S2CHALLERG	S3CHALLERG	S4CHALLERG	S5CHALLERG
.d:DK	3	2	5	4	3
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	3	3	5	5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4219	3986	4820	4236	3974
1.yes	277	263	346	325	308
Value-----	S6CHALLERG	S7CHALLERG	S8CHALLERG	S9CHALLERG	
.d:DK	3	3	3	2	
.l:no life history ivw	3293	3088	2653	3172	
.m:Missing	1	1	1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3656	3202	2789	2431	
1.yes	289	266	242	214	
Value-----	RACHEARPR				
.d:DK	14				
.l:no life history ivw	11952				
.m:Missing	10				
0.no	7263				
1.yes	563				
Value-----	S1CHEARPR	S2CHEARPR	S3CHEARPR	S4CHEARPR	S5CHEARPR
.d:DK	3	2	5	4	3
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	3	3	5	5	2
.u:Unmar	3561	2671	2706	2932	2742

.v:SP NR	468	583	676	716	568
0.no	4187	3952	4795	4233	3967
1.yes	309	297	371	328	315
Value-----	S6CHEARPR	S7CHEARPR	S8CHEARPR	S9CHEARPR	
.d:DK	3	3	3	2	
.l:no life history ivw	3293	3088	2653	3172	
.m:Missing	1	1	1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3644	3209	2807	2469	
1.yes	301	259	224	176	
Value-----	RACHHDACHE				
.d:DK	14				
.l:no life history ivw	11952				
.m:Missing	10				
0.no	7419				
1.yes	407				
Value-----	S1CHHDACHE	S2CHHDACHE	S3CHHDACHE	S4CHHDACHE	S5CHHDACHE
.d:DK	3	2	5	4	3
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	3	3	5	5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4271	4028	4899	4327	4058
1.yes	225	221	267	234	224
Value-----	S6CHHDACHE	S7CHHDACHE	S8CHHDACHE	S9CHHDACHE	
.d:DK	3	3	3	2	
.l:no life history ivw	3293	3088	2653	3172	
.m:Missing	1	1	1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3745	3292	2878	2503	
1.yes	200	176	153	142	
Value-----	RACHEPILEPSY				
.d:DK	14				
.l:no life history ivw	11952				
.m:Missing	10				
0.no	7769				
1.yes	57				
Value-----	S1CHEPILEPSY	S2CHEPILEPSY	S3CHEPILEPSY	S4CHEPILEPSY	S5CHEPILEPSY
.d:DK	3	2	5	4	3
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	3	3	5	5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4465	4217	5127	4525	4246
1.yes	31	32	39	36	36
Value-----	S6CHEPILEPSY	S7CHEPILEPSY	S8CHEPILEPSY	S9CHEPILEPSY	
.d:DK	3	3	3	2	
.l:no life history ivw	3293	3088	2653	3172	
.m:Missing	1	1	1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3914	3440	3008	2626	
1.yes	31	28	23	19	
Value-----	RACHPSYCH				
.d:DK	14				
.l:no life history ivw	11952				
.m:Missing	10				
0.no	7679				
1.yes	147				
Value-----	S1CHPSYCH	S2CHPSYCH	S3CHPSYCH	S4CHPSYCH	S5CHPSYCH

.d:DK	3	2	5	4	3
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	3	3	5	5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4425	4183	5081	4482	4207
1.yes	71	66	85	79	75

Value-----	S6CHPSYCH	S7CHPSYCH	S8CHPSYCH	S9CHPSYCH	
.d:DK	3	3	3	2	
.l:no life history ivw	3293	3088	2653	3172	
.m:Missing	1	1	1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3878	3410	2977	2597	
1.yes	67	58	54	48	

Value-----	RACHBONES
.d:DK	14
.l:no life history ivw	11952
.m:Missing	10
0.no	6545
1.yes	1281

Value-----	S1CHBONES	S2CHBONES	S3CHBONES	S4CHBONES	S5CHBONES
.d:DK	3	2	5	4	3
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	3	3	5	5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	3761	3555	4251	3747	3512
1.yes	735	694	915	814	770

Value-----	S6CHBONES	S7CHBONES	S8CHBONES	S9CHBONES
.d:DK	3	3	3	2
.l:no life history ivw	3293	3088	2653	3172
.m:Missing	1	1	1	1
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	3235	2842	2463	2144
1.yes	710	626	568	501

Value-----	RACHAPPDCTS
.d:DK	14
.l:no life history ivw	11952
.m:Missing	10
0.no	7380
1.yes	446

Value-----	S1CHAPPDCTS	S2CHAPPDCTS	S3CHAPPDCTS	S4CHAPPDCTS	S5CHAPPDCTS
.d:DK	3	2	5	4	3
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	3	3	5	5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4232	4006	4864	4284	4014
1.yes	264	243	302	277	268

Value-----	S6CHAPPDCTS	S7CHAPPDCTS	S8CHAPPDCTS	S9CHAPPDCTS
.d:DK	3	3	3	2
.l:no life history ivw	3293	3088	2653	3172
.m:Missing	1	1	1	1
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
0.no	3702	3247	2831	2480
1.yes	243	221	200	165

Value-----	RACHDIAB
.d:DK	14
.l:no life history ivw	11952
.m:Missing	10

0.no	7823				
1.yes	3				
Value-----	S1CHDIAB	S2CHDIAB	S3CHDIAB	S4CHDIAB	S5CHDIAB
.d:DK	3	2	5	4	3
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	3	3	5	5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4496	4249	5164	4559	4280
1.yes			2	2	2
Value-----	S6CHDIAB	S7CHDIAB	S8CHDIAB	S9CHDIAB	
.d:DK	3	3	3	2	
.l:no life history ivw	3293	3088	2653	3172	
.m:Missing	1	1	1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3943	3466	3029	2643	
1.yes	2	2	2	2	
Value-----	RACHHEART				
.d:DK	14				
.l:no life history ivw	11952				
.m:Missing	10				
0.no	7724				
1.yes	102				
Value-----	S1CHHEART	S2CHHEART	S3CHHEART	S4CHHEART	S5CHHEART
.d:DK	3	2	5	4	3
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	3	3	5	5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4441	4195	5104	4504	4232
1.yes	55	54	62	57	50
Value-----	S6CHHEART	S7CHHEART	S8CHHEART	S9CHHEART	
.d:DK	3	3	3	2	
.l:no life history ivw	3293	3088	2653	3172	
.m:Missing	1	1	1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3896	3425	2994	2614	
1.yes	49	43	37	31	
Value-----	RACHLEUK				
.d:DK	14				
.l:no life history ivw	11952				
.m:Missing	10				
0.no	7826				
Value-----	S1CHLEUK	S2CHLEUK	S3CHLEUK	S4CHLEUK	S5CHLEUK
.d:DK	3	2	5	4	3
.l:no life history ivw	3568	1924	1208	2832	2677
.m:Missing	3	3	5	5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4496	4249	5166	4561	4282
Value-----	S6CHLEUK	S7CHLEUK	S8CHLEUK	S9CHLEUK	
.d:DK	3	3	3	2	
.l:no life history ivw	3293	3088	2653	3172	
.m:Missing	1	1	1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3945	3468	3031	2645	
Value-----	RACHCANCER				
.d:DK	14				
.l:no life history ivw	11952				



.m:Missing	10				
0.no	7821				
1.yes	5				
Value-----	S1CHCANCER	S2CHCANCER	S3CHCANCER	S4CHCANCER	S5CHCANCER
.d:DK	3	2	5	4	3
.l:no life history iwv	3568	1924	1208	2832	2677
.m:Missing	3	3	5	5	2
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4493	4246	5163	4559	4279
1.yes	3	3	3	2	3
Value-----	S6CHCANCER	S7CHCANCER	S8CHCANCER	S9CHCANCER	
.d:DK	3	3	3	2	
.l:no life history iwv	3293	3088	2653	3172	
.m:Missing	1	1	1	1	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	3942	3468	3031	2645	
1.yes	3				

## How Constructed

RACHSHLT indicates the respondent's self-rated health status before the age of 16. RACHSHLT is coded as follows: 1.excellent, 2.very good, 3.good, 4.fair, 5.poor, 6.health varied a great deal. Don't know, refuse, and other missing responses are set to .d, .r, and .m, respectively. This question is only asked in the ELSA Wave 3 life history interview, so respondents who did not participate in that interview are assigned special missing .l.

SwCHSHLT indicates the respondent's current wave's spouse's self-rated health status before the age of 16, and its values are taken from RACHSHLT. In addition to the special missing values employed by RACHSHLT, SwCHSHLT employs two additional special missing values. SwCHSHLT employs the special missing value .u, when the respondent reports not being coupled in the current wave, and the special missing value .v, when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RACHINFECT, RACHASTHMA, RACHRESP, RACHALLERG, RACHEARPR, RACHHDACHE, RACHEPILEPSY, RACHPSYCH, RACHBONES, RACHAPPDCTS, RACHDIAB, RACHHEART, RACHLEUK, and RACHCANCER indicate whether the respondent had a specific condition before the age of 16. RACHINFECT indicates whether the respondent had an infectious disease (e.g. measles, chickenpox, mumps, polio, TB) before the age of 16. RACHASTHMA indicates whether the respondent had asthma before the age of 16. RACHRESP indicates whether the respondent had respiratory problems other than asthma (e.g. bronchitis) before the age of 16. RACHALLERG indicates whether the respondent had allergies other than asthma (e.g. food intolerance, hay fever) before the age of 16. RACHEARPR indicates whether the respondent had chronic ear problems before the age of 16. RACHHDACHE indicates whether the respondent had severe headaches or migraines before the age of 16. RACHEPILEPSY indicates whether the respondent had epilepsy, fits, or seizures before the age of 16. RACHPSYCH indicates whether the respondent had an emotional, nervous, or psychiatric problem before the age of 16. RACHBONES indicates whether the respondent had broken bones, fractures before the age of 16. RACHAPPDCTS indicates whether the respondent had appendicitis before the age of 16. RACHDIAB indicates whether the respondent had childhood diabetes or high blood sugar before the age of 16. RACHHEART indicates whether the respondent had heart trouble before the age of 16. RACHLEUK indicates whether the respondent had leukaemia or lymphoma before the age of 16. RACHCANCER indicates whether the respondent had cancer or malignant tumor (excluding minor skin cancers) before the age of 16. These variables are coded as 1 if the respondent reported having the condition before age 16, and are coded as 0 if the respondent reported not having the condition before age 16. Don't know, refuse, and other missing responses are set to .d, .r, and .m, respectively. These questions are only asked in the ELSA Wave 3 life history interview, so respondents who did not participate in that interview are assigned special missing .l.

SwCHINFECT, SwCHASTHMA, SwCHRESP, SwCHALLERG, SwCHEARPR, SwCHHDACHE, SwCHEPILEPSY, SwCHPSYCH, SwCHBONES, SwCHAPPDCTS, SwCHDIAB, SwCHHEART, SwCHLEUK, and SwCHCANCER indicate whether the current wave's respondent's spouse had a specific condition before the age of 16, and their values are taken directly from the corresponding respondent level variables. In addition to the special missing values employed by the respondent level variables, the spouse level variables employ two additional special missing values. The spouse variables employ the special missing value .u, when the respondent reports not being coupled

in the current wave, and the special missing value .v, when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

The questions used to create these variables are only asked during the ELSA Life History interview in Wave 3.

### Differences with the HRS

Unlike HRS, ELSA asked one question about whether the respondent had an infectious disease (e.g. measles, chickenpox, mumps, polio, TB) before age 16 and not separate questions for measles, mumps, and chickenpox.

HRS does not include questions asking whether the respondent had broken bones/fractures, appendicitis, leukaemia/lymphoma, or cancer/malignant tumour (excluding minor skin cancers) before age 16.

The wording of the question asking whether the respondent had respiratory problems before age 16 slightly varied between HRS and ELSA. ELSA asks whether the respondent had "respiratory problems other than asthma (e.g. bronchitis)". HRS asks whether the respondent had "a respiratory disorder such as bronchitis, wheezing, hay fever, shortness of breath, or sinus infection".

The wording of the question asking whether the respondent had allergies before age 16 slightly varied between HRS and ELSA. ELSA asks whether the respondent had "allergies other than asthma (e.g. food intolerance, hay fever)". HRS asks whether the respondent had "an allergic condition".

The wording of the question asking whether the respondent had chronic ear problems before age 16 slightly varied between HRS and ELSA. ELSA asks whether the respondent had "chronic ear problems". HRS asks whether the respondent had "chronic ear problems or infections".

The wording of the question asking whether the respondent had epilepsy or seizures before age 16 slightly varied between HRS and ELSA. ELSA asks whether the respondent had "epilepsy, fits, or seizures". HRS asks whether the respondent had "epilepsy or seizures".

The wording of the question asking whether the respondent had an emotional or psychiatric problem before age 16 slightly varied between HRS and ELSA. ELSA asks whether the respondent had an "emotional, nervous, or psychiatric problem". HRS asks whether the respondent had "any other emotional or psychological problems" because HRS also asks separate questions about depression and drug or alcohol problems.

The wording of the question asking whether the respondent had diabetes before age 16 slightly varied between HRS and ELSA. ELSA asks whether the respondent had "childhood diabetes or high blood sugar". HRS asks whether the respondent had "diabetes".

## ELSA Variables Used

Index File:

RETROOUT life history interview outcome

Wave 3 Life History:

RHCIA	self-reported health during childhood
RHCIG10M	condition that caused health problems as a child: append
RHCIG11M	condition caused health prob as child: child diabetes/hi
RHCIG12M	condition that caused health problems as a child: heart
RHCIG13M	condition that caused health problems as a child: leukae
RHCIG14M	condition that caused health probs as a child: cancer/ma
RHCIG1M	condition that caused health problems as a child: infect
RHCIG2M	condition that caused health problem as child: broken bo
RHCIG3M	condition that caused health problems as a child: asthma
RHCIG4M	condition that caused health problems as a child: other
RHCIG5M	condition that caused health problem as child: other res
RHCIG6M	condition that caused health problems as a child: chroni
RHCIG7M	condition that caused health prob as child: severe heada
RHCIG8M	condition that caused health problems as child: epilepsy

RHCIG9M

condition that caused health prob as child: emotional/ne

## **Section Q: Psychosocial**

<b>Depressive Symptoms: CESD</b>
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Wave	Variable	Label	Type
1	R1DEPRES	r1depres:w1 r CESD: Felt depressed (0,1)	Categ
2	R2DEPRES	r2depres:w2 r CESD: Felt depressed (0,1)	Categ
3	R3DEPRES	r3depres:w3 r CESD: Felt depressed (0,1)	Categ
4	R4DEPRES	r4depres:w4 r CESD: Felt depressed (0,1)	Categ
5	R5DEPRES	r5depres:w5 r CESD: Felt depressed (0,1)	Categ
6	R6DEPRES	r6depres:w6 r CESD: Felt depressed (0,1)	Categ
7	R7DEPRES	r7depres:w7 r CESD: Felt depressed (0,1)	Categ
8	R8DEPRES	r8depres:w8 r CESD: Felt depressed (0,1)	Categ
9	R9DEPRES	r9depres:w9 r CESD: Felt depressed (0,1)	Categ
1	S1DEPRES	s1depres:w1 s CESD: Felt depressed (0,1)	Categ
2	S2DEPRES	s2depres:w2 s CESD: Felt depressed (0,1)	Categ
3	S3DEPRES	s3depres:w3 s CESD: Felt depressed (0,1)	Categ
4	S4DEPRES	s4depres:w4 s CESD: Felt depressed (0,1)	Categ
5	S5DEPRES	s5depres:w5 s CESD: Felt depressed (0,1)	Categ
6	S6DEPRES	s6depres:w6 s CESD: Felt depressed (0,1)	Categ
7	S7DEPRES	s7depres:w7 s CESD: Felt depressed (0,1)	Categ
8	S8DEPRES	s8depres:w8 s CESD: Felt depressed (0,1)	Categ
9	S9DEPRES	s9depres:w9 s CESD: Felt depressed (0,1)	Categ
1	R1EFFORT	r1effort:w1 r CESD: Everything an effort (0,1)	Categ
2	R2EFFORT	r2effort:w2 r CESD: Everything an effort (0,1)	Categ
3	R3EFFORT	r3effort:w3 r CESD: Everything an effort (0,1)	Categ
4	R4EFFORT	r4effort:w4 r CESD: Everything an effort (0,1)	Categ
5	R5EFFORT	r5effort:w5 r CESD: Everything an effort (0,1)	Categ
6	R6EFFORT	r6effort:w6 r CESD: Everything an effort (0,1)	Categ
7	R7EFFORT	r7effort:w7 r CESD: Everything an effort (0,1)	Categ
8	R8EFFORT	r8effort:w8 r CESD: Everything an effort (0,1)	Categ
9	R9EFFORT	r9effort:w9 r CESD: Everything an effort (0,1)	Categ
1	S1EFFORT	s1effort:w1 s CESD: Everything an effort (0,1)	Categ
2	S2EFFORT	s2effort:w2 s CESD: Everything an effort (0,1)	Categ
3	S3EFFORT	s3effort:w3 s CESD: Everything an effort (0,1)	Categ
4	S4EFFORT	s4effort:w4 s CESD: Everything an effort (0,1)	Categ
5	S5EFFORT	s5effort:w5 s CESD: Everything an effort (0,1)	Categ
6	S6EFFORT	s6effort:w6 s CESD: Everything an effort (0,1)	Categ
7	S7EFFORT	s7effort:w7 s CESD: Everything an effort (0,1)	Categ
8	S8EFFORT	s8effort:w8 s CESD: Everything an effort (0,1)	Categ
9	S9EFFORT	s9effort:w9 s CESD: Everything an effort (0,1)	Categ
1	R1SLEEPR	r1sleepr:w1 r CESD: Sleep was restless (0,1)	Categ
2	R2SLEEPR	r2sleepr:w2 r CESD: Sleep was restless (0,1)	Categ
3	R3SLEEPR	r3sleepr:w3 r CESD: Sleep was restless (0,1)	Categ
4	R4SLEEPR	r4sleepr:w4 r CESD: Sleep was restless (0,1)	Categ
5	R5SLEEPR	r5sleepr:w5 r CESD: Sleep was restless (0,1)	Categ
6	R6SLEEPR	r6sleepr:w6 r CESD: Sleep was restless (0,1)	Categ
7	R7SLEEPR	r7sleepr:w7 r CESD: Sleep was restless (0,1)	Categ
8	R8SLEEPR	r8sleepr:w8 r CESD: Sleep was restless (0,1)	Categ
9	R9SLEEPR	r9sleepr:w9 r CESD: Sleep was restless (0,1)	Categ
1	S1SLEEPR	s1sleepr:w1 s CESD: Sleep was restless (0,1)	Categ
2	S2SLEEPR	s2sleepr:w2 s CESD: Sleep was restless (0,1)	Categ
3	S3SLEEPR	s3sleepr:w3 s CESD: Sleep was restless (0,1)	Categ
4	S4SLEEPR	s4sleepr:w4 s CESD: Sleep was restless (0,1)	Categ
5	S5SLEEPR	s5sleepr:w5 s CESD: Sleep was restless (0,1)	Categ
6	S6SLEEPR	s6sleepr:w6 s CESD: Sleep was restless (0,1)	Categ
7	S7SLEEPR	s7sleepr:w7 s CESD: Sleep was restless (0,1)	Categ

8	S8SLEEP	s8sleepr:w8	s	CESD: Sleep was restless (0,1)	Categ
9	S9SLEEP	s9sleepr:w9	s	CESD: Sleep was restless (0,1)	Categ
1	R1WHAPPY	r1whappy:w1	r	CESD: Was happy (0,1)	Categ
2	R2WHAPPY	r2whappy:w2	r	CESD: Was happy (0,1)	Categ
3	R3WHAPPY	r3whappy:w3	r	CESD: Was happy (0,1)	Categ
4	R4WHAPPY	r4whappy:w4	r	CESD: Was happy (0,1)	Categ
5	R5WHAPPY	r5whappy:w5	r	CESD: Was happy (0,1)	Categ
6	R6WHAPPY	r6whappy:w6	r	CESD: Was happy (0,1)	Categ
7	R7WHAPPY	r7whappy:w7	r	CESD: Was happy (0,1)	Categ
8	R8WHAPPY	r8whappy:w8	r	CESD: Was happy (0,1)	Categ
9	R9WHAPPY	r9whappy:w9	r	CESD: Was happy (0,1)	Categ
1	S1WHAPPY	s1whappy:w1	s	CESD: Was happy (0,1)	Categ
2	S2WHAPPY	s2whappy:w2	s	CESD: Was happy (0,1)	Categ
3	S3WHAPPY	s3whappy:w3	s	CESD: Was happy (0,1)	Categ
4	S4WHAPPY	s4whappy:w4	s	CESD: Was happy (0,1)	Categ
5	S5WHAPPY	s5whappy:w5	s	CESD: Was happy (0,1)	Categ
6	S6WHAPPY	s6whappy:w6	s	CESD: Was happy (0,1)	Categ
7	S7WHAPPY	s7whappy:w7	s	CESD: Was happy (0,1)	Categ
8	S8WHAPPY	s8whappy:w8	s	CESD: Was happy (0,1)	Categ
9	S9WHAPPY	s9whappy:w9	s	CESD: Was happy (0,1)	Categ
1	R1FLONE	r1flone:w1	r	CESD: Felt lonely (0,1)	Categ
2	R2FLONE	r2flone:w2	r	CESD: Felt lonely (0,1)	Categ
3	R3FLONE	r3flone:w3	r	CESD: Felt lonely (0,1)	Categ
4	R4FLONE	r4flone:w4	r	CESD: Felt lonely (0,1)	Categ
5	R5FLONE	r5flone:w5	r	CESD: Felt lonely (0,1)	Categ
6	R6FLONE	r6flone:w6	r	CESD: Felt lonely (0,1)	Categ
7	R7FLONE	r7flone:w7	r	CESD: Felt lonely (0,1)	Categ
8	R8FLONE	r8flone:w8	r	CESD: Felt lonely (0,1)	Categ
9	R9FLONE	r9flone:w9	r	CESD: Felt lonely (0,1)	Categ
1	S1FLONE	s1flone:w1	s	CESD: Felt lonely (0,1)	Categ
2	S2FLONE	s2flone:w2	s	CESD: Felt lonely (0,1)	Categ
3	S3FLONE	s3flone:w3	s	CESD: Felt lonely (0,1)	Categ
4	S4FLONE	s4flone:w4	s	CESD: Felt lonely (0,1)	Categ
5	S5FLONE	s5flone:w5	s	CESD: Felt lonely (0,1)	Categ
6	S6FLONE	s6flone:w6	s	CESD: Felt lonely (0,1)	Categ
7	S7FLONE	s7flone:w7	s	CESD: Felt lonely (0,1)	Categ
8	S8FLONE	s8flone:w8	s	CESD: Felt lonely (0,1)	Categ
9	S9FLONE	s9flone:w9	s	CESD: Felt lonely (0,1)	Categ
1	R1FSAD	r1fsad:w1	r	CESD: Felt sad (0,1)	Categ
2	R2FSAD	r2fsad:w2	r	CESD: Felt sad (0,1)	Categ
3	R3FSAD	r3fsad:w3	r	CESD: Felt sad (0,1)	Categ
4	R4FSAD	r4fsad:w4	r	CESD: Felt sad (0,1)	Categ
5	R5FSAD	r5fsad:w5	r	CESD: Felt sad (0,1)	Categ
6	R6FSAD	r6fsad:w6	r	CESD: Felt sad (0,1)	Categ
7	R7FSAD	r7fsad:w7	r	CESD: Felt sad (0,1)	Categ
8	R8FSAD	r8fsad:w8	r	CESD: Felt sad (0,1)	Categ
9	R9FSAD	r9fsad:w9	r	CESD: Felt sad (0,1)	Categ
1	S1FSAD	s1fsad:w1	s	CESD: Felt sad (0,1)	Categ
2	S2FSAD	s2fsad:w2	s	CESD: Felt sad (0,1)	Categ
3	S3FSAD	s3fsad:w3	s	CESD: Felt sad (0,1)	Categ
4	S4FSAD	s4fsad:w4	s	CESD: Felt sad (0,1)	Categ
5	S5FSAD	s5fsad:w5	s	CESD: Felt sad (0,1)	Categ
6	S6FSAD	s6fsad:w6	s	CESD: Felt sad (0,1)	Categ
7	S7FSAD	s7fsad:w7	s	CESD: Felt sad (0,1)	Categ
8	S8FSAD	s8fsad:w8	s	CESD: Felt sad (0,1)	Categ
9	S9FSAD	s9fsad:w9	s	CESD: Felt sad (0,1)	Categ

1	R1GOING	r1going:w1	r	CESD: Could not get going (0,1)	Categ
2	R2GOING	r2going:w2	r	CESD: Could not get going (0,1)	Categ
3	R3GOING	r3going:w3	r	CESD: Could not get going (0,1)	Categ
4	R4GOING	r4going:w4	r	CESD: Could not get going (0,1)	Categ
5	R5GOING	r5going:w5	r	CESD: Could not get going (0,1)	Categ
6	R6GOING	r6going:w6	r	CESD: Could not get going (0,1)	Categ
7	R7GOING	r7going:w7	r	CESD: Could not get going (0,1)	Categ
8	R8GOING	r8going:w8	r	CESD: Could not get going (0,1)	Categ
9	R9GOING	r9going:w9	r	CESD: Could not get going (0,1)	Categ
1	S1GOING	s1going:w1	s	CESD: Could not get going (0,1)	Categ
2	S2GOING	s2going:w2	s	CESD: Could not get going (0,1)	Categ
3	S3GOING	s3going:w3	s	CESD: Could not get going (0,1)	Categ
4	S4GOING	s4going:w4	s	CESD: Could not get going (0,1)	Categ
5	S5GOING	s5going:w5	s	CESD: Could not get going (0,1)	Categ
6	S6GOING	s6going:w6	s	CESD: Could not get going (0,1)	Categ
7	S7GOING	s7going:w7	s	CESD: Could not get going (0,1)	Categ
8	S8GOING	s8going:w8	s	CESD: Could not get going (0,1)	Categ
9	S9GOING	s9going:w9	s	CESD: Could not get going (0,1)	Categ
1	R1ENLIFE	r1enlife:w1	r	CESD: Enjoyed life (0,1)	Categ
2	R2ENLIFE	r2enlife:w2	r	CESD: Enjoyed life (0,1)	Categ
3	R3ENLIFE	r3enlife:w3	r	CESD: Enjoyed life (0,1)	Categ
4	R4ENLIFE	r4enlife:w4	r	CESD: Enjoyed life (0,1)	Categ
5	R5ENLIFE	r5enlife:w5	r	CESD: Enjoyed life (0,1)	Categ
6	R6ENLIFE	r6enlife:w6	r	CESD: Enjoyed life (0,1)	Categ
7	R7ENLIFE	r7enlife:w7	r	CESD: Enjoyed life (0,1)	Categ
8	R8ENLIFE	r8enlife:w8	r	CESD: Enjoyed life (0,1)	Categ
9	R9ENLIFE	r9enlife:w9	r	CESD: Enjoyed life (0,1)	Categ
1	S1ENLIFE	s1enlife:w1	s	CESD: Enjoyed life (0,1)	Categ
2	S2ENLIFE	s2enlife:w2	s	CESD: Enjoyed life (0,1)	Categ
3	S3ENLIFE	s3enlife:w3	s	CESD: Enjoyed life (0,1)	Categ
4	S4ENLIFE	s4enlife:w4	s	CESD: Enjoyed life (0,1)	Categ
5	S5ENLIFE	s5enlife:w5	s	CESD: Enjoyed life (0,1)	Categ
6	S6ENLIFE	s6enlife:w6	s	CESD: Enjoyed life (0,1)	Categ
7	S7ENLIFE	s7enlife:w7	s	CESD: Enjoyed life (0,1)	Categ
8	S8ENLIFE	s8enlife:w8	s	CESD: Enjoyed life (0,1)	Categ
9	S9ENLIFE	s9enlife:w9	s	CESD: Enjoyed life (0,1)	Categ
1	R1CESD	r1cesd:w1	r	CESD Score	Cont
2	R2CESD	r2cesd:w2	r	CESD Score	Cont
3	R3CESD	r3cesd:w3	r	CESD Score	Cont
4	R4CESD	r4cesd:w4	r	CESD Score	Cont
5	R5CESD	r5cesd:w5	r	CESD Score	Cont
6	R6CESD	r6cesd:w6	r	CESD Score	Cont
7	R7CESD	r7cesd:w7	r	CESD Score	Cont
8	R8CESD	r8cesd:w8	r	CESD Score	Cont
9	R9CESD	r9cesd:w9	r	CESD Score	Cont
1	S1CESD	s1cesd:w1	s	CESD Score	Cont
2	S2CESD	s2cesd:w2	s	CESD Score	Cont
3	S3CESD	s3cesd:w3	s	CESD Score	Cont
4	S4CESD	s4cesd:w4	s	CESD Score	Cont
5	S5CESD	s5cesd:w5	s	CESD Score	Cont
6	S6CESD	s6cesd:w6	s	CESD Score	Cont
7	S7CESD	s7cesd:w7	s	CESD Score	Cont
8	S8CESD	s8cesd:w8	s	CESD Score	Cont
9	S9CESD	s9cesd:w9	s	CESD Score	Cont
1	R1CESDM	r1cesdm:w1	r	missings in CESD score	Cont
2	R2CESDM	r2cesdm:w2	r	missings in CESD score	Cont
3	R3CESDM	r3cesdm:w3	r	missings in CESD score	Cont

4	R4CESDM	r4cesdm:w4	r	missings	in CESD score	Cont
5	R5CESDM	r5cesdm:w5	r	missings	in CESD score	Cont
6	R6CESDM	r6cesdm:w6	r	missings	in CESD score	Cont
7	R7CESDM	r7cesdm:w7	r	missings	in CESD score	Cont
8	R8CESDM	r8cesdm:w8	r	missings	in CESD score	Cont
9	R9CESDM	r9cesdm:w9	r	missings	in CESD score	Cont
1	S1CESDM	s1cesdm:w1	s	missings	in CESD score	Cont
2	S2CESDM	s2cesdm:w2	s	missings	in CESD score	Cont
3	S3CESDM	s3cesdm:w3	s	missings	in CESD score	Cont
4	S4CESDM	s4cesdm:w4	s	missings	in CESD score	Cont
5	S5CESDM	s5cesdm:w5	s	missings	in CESD score	Cont
6	S6CESDM	s6cesdm:w6	s	missings	in CESD score	Cont
7	S7CESDM	s7cesdm:w7	s	missings	in CESD score	Cont
8	S8CESDM	s8cesdm:w8	s	missings	in CESD score	Cont
9	S9CESDM	s9cesdm:w9	s	missings	in CESD score	Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DEPRES	11717	0.18	0.38	0.00	1.00
R2DEPRES	9219	0.16	0.37	0.00	1.00
R3DEPRES	9455	0.15	0.36	0.00	1.00
R4DEPRES	10525	0.15	0.36	0.00	1.00
R5DEPRES	9649	0.14	0.35	0.00	1.00
R6DEPRES	9913	0.13	0.34	0.00	1.00
R7DEPRES	9001	0.12	0.32	0.00	1.00
R8DEPRES	7934	0.12	0.32	0.00	1.00
R9DEPRES	8155	0.11	0.32	0.00	1.00
S1DEPRES	7795	0.15	0.36	0.00	1.00
S2DEPRES	6016	0.13	0.34	0.00	1.00
S3DEPRES	6179	0.12	0.32	0.00	1.00
S4DEPRES	7012	0.12	0.33	0.00	1.00
S5DEPRES	6486	0.11	0.32	0.00	1.00
S6DEPRES	6696	0.11	0.31	0.00	1.00
S7DEPRES	6025	0.09	0.28	0.00	1.00
S8DEPRES	5278	0.09	0.29	0.00	1.00
S9DEPRES	5334	0.09	0.28	0.00	1.00
R1EFFORT	11710	0.24	0.42	0.00	1.00
R2EFFORT	9218	0.22	0.42	0.00	1.00
R3EFFORT	9451	0.21	0.41	0.00	1.00
R4EFFORT	10521	0.20	0.40	0.00	1.00
R5EFFORT	9649	0.21	0.41	0.00	1.00
R6EFFORT	9915	0.19	0.39	0.00	1.00
R7EFFORT	9000	0.19	0.39	0.00	1.00
R8EFFORT	7934	0.20	0.40	0.00	1.00
R9EFFORT	8156	0.19	0.39	0.00	1.00
S1EFFORT	7790	0.20	0.40	0.00	1.00
S2EFFORT	6015	0.19	0.39	0.00	1.00
S3EFFORT	6176	0.17	0.37	0.00	1.00
S4EFFORT	7011	0.17	0.37	0.00	1.00
S5EFFORT	6485	0.17	0.38	0.00	1.00
S6EFFORT	6698	0.16	0.37	0.00	1.00
S7EFFORT	6024	0.15	0.36	0.00	1.00
S8EFFORT	5276	0.16	0.37	0.00	1.00
S9EFFORT	5335	0.15	0.36	0.00	1.00
R1SLEEPR	11718	0.41	0.49	0.00	1.00
R2SLEEPR	9213	0.42	0.49	0.00	1.00



R3SLEEP	9455	0.41	0.49	0.00	1.00
R4SLEEP	10530	0.35	0.48	0.00	1.00
R5SLEEP	9648	0.41	0.49	0.00	1.00
R6SLEEP	9919	0.35	0.48	0.00	1.00
R7SLEEP	8997	0.41	0.49	0.00	1.00
R8SLEEP	7936	0.37	0.48	0.00	1.00
R9SLEEP	8158	0.43	0.50	0.00	1.00
S1SLEEP	7795	0.39	0.49	0.00	1.00
S2SLEEP	6014	0.41	0.49	0.00	1.00
S3SLEEP	6178	0.39	0.49	0.00	1.00
S4SLEEP	7014	0.33	0.47	0.00	1.00
S5SLEEP	6486	0.40	0.49	0.00	1.00
S6SLEEP	6700	0.34	0.47	0.00	1.00
S7SLEEP	6024	0.39	0.49	0.00	1.00
S8SLEEP	5276	0.35	0.48	0.00	1.00
S9SLEEP	5336	0.42	0.49	0.00	1.00
R1WHAPPY	11680	0.89	0.32	0.00	1.00
R2WHAPPY	9197	0.89	0.31	0.00	1.00
R3WHAPPY	9436	0.89	0.31	0.00	1.00
R4WHAPPY	10498	0.89	0.31	0.00	1.00
R5WHAPPY	9622	0.90	0.31	0.00	1.00
R6WHAPPY	9897	0.89	0.31	0.00	1.00
R7WHAPPY	8978	0.90	0.30	0.00	1.00
R8WHAPPY	7924	0.91	0.29	0.00	1.00
R9WHAPPY	8137	0.91	0.29	0.00	1.00
S1WHAPPY	7774	0.91	0.28	0.00	1.00
S2WHAPPY	6009	0.92	0.27	0.00	1.00
S3WHAPPY	6172	0.92	0.27	0.00	1.00
S4WHAPPY	6996	0.92	0.27	0.00	1.00
S5WHAPPY	6473	0.92	0.27	0.00	1.00
S6WHAPPY	6691	0.92	0.28	0.00	1.00
S7WHAPPY	6019	0.93	0.26	0.00	1.00
S8WHAPPY	5270	0.94	0.25	0.00	1.00
S9WHAPPY	5329	0.93	0.26	0.00	1.00
R1FLONE	11716	0.14	0.34	0.00	1.00
R2FLONE	9216	0.14	0.35	0.00	1.00
R3FLONE	9454	0.13	0.34	0.00	1.00
R4FLONE	10528	0.13	0.33	0.00	1.00
R5FLONE	9650	0.13	0.34	0.00	1.00
R6FLONE	9914	0.12	0.32	0.00	1.00
R7FLONE	8995	0.11	0.31	0.00	1.00
R8FLONE	7936	0.12	0.32	0.00	1.00
R9FLONE	8156	0.10	0.31	0.00	1.00
S1FLONE	7792	0.06	0.23	0.00	1.00
S2FLONE	6014	0.06	0.24	0.00	1.00
S3FLONE	6178	0.06	0.23	0.00	1.00
S4FLONE	7013	0.06	0.24	0.00	1.00
S5FLONE	6486	0.06	0.23	0.00	1.00
S6FLONE	6698	0.06	0.23	0.00	1.00
S7FLONE	6023	0.05	0.22	0.00	1.00
S8FLONE	5277	0.06	0.23	0.00	1.00
S9FLONE	5335	0.05	0.23	0.00	1.00
R1FSAD	11712	0.21	0.41	0.00	1.00
R2FSAD	9212	0.21	0.41	0.00	1.00
R3FSAD	9447	0.20	0.40	0.00	1.00
R4FSAD	10524	0.21	0.40	0.00	1.00
R5FSAD	9647	0.21	0.41	0.00	1.00

R6FSAD	9905	0.18	0.39	0.00	1.00
R7FSAD	8995	0.17	0.38	0.00	1.00
R8FSAD	7935	0.19	0.39	0.00	1.00
R9FSAD	8150	0.18	0.38	0.00	1.00
S1FSAD	7791	0.17	0.37	0.00	1.00
S2FSAD	6012	0.17	0.38	0.00	1.00
S3FSAD	6174	0.15	0.36	0.00	1.00
S4FSAD	7011	0.16	0.37	0.00	1.00
S5FSAD	6485	0.17	0.38	0.00	1.00
S6FSAD	6693	0.15	0.36	0.00	1.00
S7FSAD	6021	0.13	0.34	0.00	1.00
S8FSAD	5276	0.15	0.36	0.00	1.00
S9FSAD	5334	0.14	0.35	0.00	1.00
R1GOING	11702	0.22	0.41	0.00	1.00
R2GOING	9209	0.21	0.41	0.00	1.00
R3GOING	9450	0.21	0.41	0.00	1.00
R4GOING	10522	0.20	0.40	0.00	1.00
R5GOING	9643	0.21	0.41	0.00	1.00
R6GOING	9912	0.19	0.39	0.00	1.00
R7GOING	8993	0.19	0.39	0.00	1.00
R8GOING	7933	0.19	0.39	0.00	1.00
R9GOING	8153	0.18	0.39	0.00	1.00
S1GOING	7788	0.19	0.39	0.00	1.00
S2GOING	6010	0.18	0.39	0.00	1.00
S3GOING	6175	0.18	0.38	0.00	1.00
S4GOING	7011	0.17	0.38	0.00	1.00
S5GOING	6481	0.18	0.39	0.00	1.00
S6GOING	6697	0.16	0.37	0.00	1.00
S7GOING	6019	0.16	0.36	0.00	1.00
S8GOING	5275	0.16	0.37	0.00	1.00
S9GOING	5333	0.16	0.36	0.00	1.00
R1ENLIFE	11671	0.90	0.30	0.00	1.00
R2ENLIFE	9198	0.90	0.30	0.00	1.00
R3ENLIFE	9435	0.90	0.30	0.00	1.00
R4ENLIFE	10502	0.90	0.30	0.00	1.00
R5ENLIFE	9624	0.90	0.30	0.00	1.00
R6ENLIFE	9886	0.90	0.30	0.00	1.00
R7ENLIFE	8976	0.91	0.28	0.00	1.00
R8ENLIFE	7929	0.92	0.28	0.00	1.00
R9ENLIFE	8139	0.91	0.28	0.00	1.00
S1ENLIFE	7771	0.93	0.26	0.00	1.00
S2ENLIFE	6008	0.92	0.27	0.00	1.00
S3ENLIFE	6170	0.93	0.26	0.00	1.00
S4ENLIFE	7003	0.93	0.26	0.00	1.00
S5ENLIFE	6479	0.92	0.26	0.00	1.00
S6ENLIFE	6683	0.93	0.26	0.00	1.00
S7ENLIFE	6012	0.94	0.24	0.00	1.00
S8ENLIFE	5274	0.94	0.24	0.00	1.00
S9ENLIFE	5326	0.94	0.24	0.00	1.00
R1CESD	11721	1.59	1.99	0.00	8.00
R2CESD	9220	1.58	1.96	0.00	8.00
R3CESD	9460	1.52	1.99	0.00	8.00
R4CESD	10530	1.43	1.94	0.00	8.00
R5CESD	9652	1.52	1.97	0.00	8.00
R6CESD	9922	1.36	1.91	0.00	8.00
R7CESD	9003	1.36	1.86	0.00	8.00
R8CESD	7939	1.35	1.83	0.00	8.00

R9CESD	8159	1.38	1.82	0.00	8.00
S1CESD	7796	1.31	1.78	0.00	8.00
S2CESD	6017	1.31	1.75	0.00	8.00
S3CESD	6180	1.22	1.74	0.00	8.00
S4CESD	7014	1.17	1.73	0.00	8.00
S5CESD	6487	1.25	1.75	0.00	8.00
S6CESD	6703	1.13	1.72	0.00	8.00
S7CESD	6026	1.10	1.62	0.00	8.00
S8CESD	5278	1.11	1.60	0.00	8.00
S9CESD	5337	1.15	1.62	0.00	8.00
R1CESDM	12099	0.26	1.40	0.00	8.00
R2CESDM	9432	0.19	1.19	0.00	8.00
R3CESDM	9766	0.26	1.40	0.00	8.00
R4CESDM	11050	0.38	1.70	0.00	8.00
R5CESDM	10274	0.49	1.91	0.00	8.00
R6CESDM	10601	0.52	1.96	0.00	8.00
R7CESDM	9666	0.56	2.03	0.00	8.00
R8CESDM	8445	0.49	1.90	0.00	8.00
R9CESDM	8736	0.54	1.99	0.00	8.00
S1CESDM	8070	0.28	1.45	0.00	8.00
S2CESDM	6178	0.21	1.28	0.00	8.00
S3CESDM	6382	0.26	1.41	0.00	8.00
S4CESDM	7402	0.42	1.78	0.00	8.00
S5CESDM	6964	0.55	2.02	0.00	8.00
S6CESDM	7242	0.60	2.10	0.00	8.00
S7CESDM	6560	0.66	2.19	0.00	8.00
S8CESDM	5688	0.58	2.07	0.00	8.00
S9CESDM	5820	0.67	2.21	0.00	8.00

### Categorical Variable Codes

Value-----	R1DEPRES	R2DEPRES	R3DEPRES	R4DEPRES	R5DEPRES
.d:DK	27	31	25	16	64
.m:Missing	136	34	44		
.p:proxy	175	125	232	446	537
.r:Refuse	44	23	10	63	24
0.no	9633	7704	8002	8962	8259
1.yes	2084	1515	1453	1563	1390
Value-----	R6DEPRES	R7DEPRES	R8DEPRES	R9DEPRES	
.d:DK	34	18	14	9	
.m:Missing	13		3	8	
.p:proxy	614	597	463	545	
.r:Refuse	27	50	31	19	
0.no	8620	7958	6987	7233	
1.yes	1293	1043	947	922	
Value-----	S1DEPRES	S2DEPRES	S3DEPRES	S4DEPRES	S5DEPRES
.d:DK	18	24	13	10	44
.m:Missing	105	26	25		
.p:proxy	122	95	158	333	418
.r:Refuse	30	17	9	47	16
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	6641	5211	5442	6152	5748
1.yes	1154	805	737	860	738
Value-----	S6DEPRES	S7DEPRES	S8DEPRES	S9DEPRES	
.d:DK	28	15	9	5	
.m:Missing	7		3	7	
.p:proxy	494	484	375	459	
.r:Refuse	17	36	23	15	

.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	5989	5502	4787	4863	
1.yes	707	523	491	471	
Value-----	R1EFFORT	R2EFFORT	R3EFFORT	R4EFFORT	R5EFFORT
.d:DK	34	32	27	21	63
.m:Missing	136	34	44		
.p:proxy	175	125	232	446	537
.r:Refuse	44	23	12	62	25
0.no	8942	7152	7450	8440	7621
1.yes	2768	2066	2001	2081	2028
Value-----	R6EFFORT	R7EFFORT	R8EFFORT	R9EFFORT	
.d:DK	31	20	14	8	
.m:Missing	13		3	8	
.p:proxy	614	597	463	545	
.r:Refuse	28	49	31	19	
0.no	8004	7304	6378	6628	
1.yes	1911	1696	1556	1528	
Value-----	S1EFFORT	S2EFFORT	S3EFFORT	S4EFFORT	S5EFFORT
.d:DK	23	25	14	12	44
.m:Missing	105	26	25		
.p:proxy	122	95	158	333	418
.r:Refuse	30	17	11	46	17
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	6226	4860	5136	5831	5367
1.yes	1564	1155	1040	1180	1118
Value-----	S6EFFORT	S7EFFORT	S8EFFORT	S9EFFORT	
.d:DK	25	17	11	4	
.m:Missing	7		3	7	
.p:proxy	494	484	375	459	
.r:Refuse	18	35	23	15	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	5615	5120	4416	4509	
1.yes	1083	904	860	826	
Value-----	R1SLEEPR	R2SLEEPR	R3SLEEPR	R4SLEEPR	R5SLEEPR
.d:DK	27	37	23	13	64
.m:Missing	136	34	44		
.p:proxy	175	125	232	446	537
.r:Refuse	43	23	12	61	25
0.no	6942	5328	5567	6833	5668
1.yes	4776	3885	3888	3697	3980
Value-----	R6SLEEPR	R7SLEEPR	R8SLEEPR	R9SLEEPR	
.d:DK	27	23	13	6	
.m:Missing	13		3	8	
.p:proxy	614	597	463	545	
.r:Refuse	28	49	30	19	
0.no	6491	5334	5036	4635	
1.yes	3428	3663	2900	3523	
Value-----	S1SLEEPR	S2SLEEPR	S3SLEEPR	S4SLEEPR	S5SLEEPR
.d:DK	18	26	12	9	43
.m:Missing	105	26	25		
.p:proxy	122	95	158	333	418
.r:Refuse	30	17	11	46	17
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	4752	3558	3757	4671	3923
1.yes	3043	2456	2421	2343	2563
Value-----	S6SLEEPR	S7SLEEPR	S8SLEEPR	S9SLEEPR	
.d:DK	23	17	11	3	
.m:Missing	7		3	7	
.p:proxy	494	484	375	459	

.r:Refuse	18	35	23	15	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	4455	3687	3413	3108	
1.yes	2245	2337	1863	2228	
Value-----	R1WHAPPY	R2WHAPPY	R3WHAPPY	R4WHAPPY	R5WHAPPY
.d:DK	64	53	42	44	90
.m:Missing	136	34	44		
.p:proxy	175	125	232	446	537
.r:Refuse	44	23	12	62	25
0.no	1306	974	1036	1108	1006
1.yes	10374	8223	8400	9390	8616
Value-----	R6WHAPPY	R7WHAPPY	R8WHAPPY	R9WHAPPY	
.d:DK	49	41	24	26	
.m:Missing	13		3	8	
.p:proxy	614	597	463	545	
.r:Refuse	28	50	31	20	
0.no	1057	869	707	750	
1.yes	8840	8109	7217	7387	
Value-----	S1WHAPPY	S2WHAPPY	S3WHAPPY	S4WHAPPY	S5WHAPPY
.d:DK	38	31	18	27	56
.m:Missing	105	26	25		
.p:proxy	122	95	158	333	418
.r:Refuse	31	17	11	46	17
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	674	486	507	552	519
1.yes	7100	5523	5665	6444	5954
Value-----	S6WHAPPY	S7WHAPPY	S8WHAPPY	S9WHAPPY	
.d:DK	32	22	17	10	
.m:Missing	7		3	7	
.p:proxy	494	484	375	459	
.r:Refuse	18	35	23	15	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	567	430	338	376	
1.yes	6124	5589	4932	4953	
Value-----	R1FLONE	R2FLONE	R3FLONE	R4FLONE	R5FLONE
.d:DK	28	34	24	15	62
.m:Missing	136	34	44		
.p:proxy	175	125	232	446	537
.r:Refuse	44	23	12	61	25
0.no	10121	7941	8203	9188	8397
1.yes	1595	1275	1251	1340	1253
Value-----	R6FLONE	R7FLONE	R8FLONE	R9FLONE	
.d:DK	32	23	12	7	
.m:Missing	13		3	8	
.p:proxy	614	597	463	545	
.r:Refuse	28	51	31	20	
0.no	8768	8036	7019	7302	
1.yes	1146	959	917	854	
Value-----	S1FLONE	S2FLONE	S3FLONE	S4FLONE	S5FLONE
.d:DK	20	26	12	10	43
.m:Missing	105	26	25		
.p:proxy	122	95	158	333	418
.r:Refuse	31	17	11	46	17
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	7339	5639	5816	6585	6108
1.yes	453	375	362	428	378
Value-----	S6FLONE	S7FLONE	S8FLONE	S9FLONE	
.d:DK	25	17	10	4	
.m:Missing	7		3	7	

.p:proxy	494	484	375	459	
.r:Refuse	18	36	23	15	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	6317	5723	4975	5048	
1.yes	381	300	302	287	
Value-----	R1FSAD	R2FSAD	R3FSAD	R4FSAD	R5FSAD
.d:DK	32	38	31	18	65
.m:Missing	136	34	44		
.p:proxy	175	125	232	446	537
.r:Refuse	44	23	12	62	25
0.no	9276	7251	7594	8364	7615
1.yes	2436	1961	1853	2160	2032
Value-----	R6FSAD	R7FSAD	R8FSAD	R9FSAD	
.d:DK	41	22	13	12	
.m:Missing	13		3	8	
.p:proxy	614	597	463	545	
.r:Refuse	28	52	31	21	
0.no	8080	7460	6405	6697	
1.yes	1825	1535	1530	1453	
Value-----	S1FSAD	S2FSAD	S3FSAD	S4FSAD	S5FSAD
.d:DK	21	28	16	12	44
.m:Missing	105	26	25		
.p:proxy	122	95	158	333	418
.r:Refuse	31	17	11	46	17
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	6490	4975	5233	5861	5364
1.yes	1301	1037	941	1150	1121
Value-----	S6FSAD	S7FSAD	S8FSAD	S9FSAD	
.d:DK	30	18	11	4	
.m:Missing	7		3	7	
.p:proxy	494	484	375	459	
.r:Refuse	18	37	23	16	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	5702	5226	4459	4569	
1.yes	991	795	817	765	
Value-----	R1GOING	R2GOING	R3GOING	R4GOING	R5GOING
.d:DK	41	41	28	21	67
.m:Missing	136	34	44		
.p:proxy	175	125	232	446	537
.r:Refuse	45	23	12	61	27
0.no	9155	7269	7466	8439	7575
1.yes	2547	1940	1984	2083	2068
Value-----	R6GOING	R7GOING	R8GOING	R9GOING	
.d:DK	34	25	15	10	
.m:Missing	13		3	8	
.p:proxy	614	597	463	545	
.r:Refuse	28	51	31	20	
0.no	8058	7285	6415	6656	
1.yes	1854	1708	1518	1497	
Value-----	S1GOING	S2GOING	S3GOING	S4GOING	S5GOING
.d:DK	24	30	15	12	47
.m:Missing	105	26	25		
.p:proxy	122	95	158	333	418
.r:Refuse	31	17	11	46	18
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	6313	4907	5073	5806	5307
1.yes	1475	1103	1102	1205	1174
Value-----	S6GOING	S7GOING	S8GOING	S9GOING	
.d:DK	26	20	12	6	

.m:Missing	7		3	7	
.p:proxy	494	484	375	459	
.r:Refuse	18	37	23	15	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	5618	5070	4425	4497	
1.yes	1079	949	850	836	
Value-----	R1ENLIFE	R2ENLIFE	R3ENLIFE	R4ENLIFE	R5ENLIFE
.d:DK	73	52	43	39	88
.m:Missing	136	34	44		
.p:proxy	175	125	232	446	537
.r:Refuse	44	23	12	63	25
0.no	1137	907	934	1024	955
1.yes	10534	8291	8501	9478	8669
Value-----	R6ENLIFE	R7ENLIFE	R8ENLIFE	R9ENLIFE	
.d:DK	61	41	19	24	
.m:Missing	13		3	8	
.p:proxy	614	597	463	545	
.r:Refuse	27	52	31	20	
0.no	984	799	671	710	
1.yes	8902	8177	7258	7429	
Value-----	S1ENLIFE	S2ENLIFE	S3ENLIFE	S4ENLIFE	S5ENLIFE
.d:DK	41	32	20	20	50
.m:Missing	105	26	25		
.p:proxy	122	95	158	333	418
.r:Refuse	31	17	11	46	17
.u:Unmar	3561	2671	2706	2932	2742
.v:SP NR	468	583	676	716	568
0.no	562	462	436	504	491
1.yes	7209	5546	5734	6499	5988
Value-----	S6ENLIFE	S7ENLIFE	S8ENLIFE	S9ENLIFE	
.d:DK	41	26	13	12	
.m:Missing	7		3	7	
.p:proxy	494	484	375	459	
.r:Refuse	17	38	23	16	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
0.no	489	384	324	333	
1.yes	6194	5628	4950	4993	

## How Constructed

RwDEPRES, RweFFORT, RwsLEEPR, RwfLONE, RwfFSAD, RwgOING, RwwHAPPY, and RwenLIFE are yes/no indicators of the respondent's feelings much of the time over the week prior to the interview. RwDEPRES indicates whether the respondent was feeling depressed. RweFFORT indicates whether the respondent was feeling that everything was an effort. RwsLEEPR indicates whether the respondent's sleep was restless. RwfLONE indicates whether the respondent felt lonely. RwfFSAD indicates whether the respondent felt sad. RwgOING indicates whether the respondent felt he/she could not get going. RwwHAPPY indicates whether the respondent felt happy. RwenLIFE indicates whether the respondent felt he/she enjoyed life. A code of 0 indicates that the respondent did not confirm the particular feeling. A code of 1 indicates the respondent confirmed the particular feeling. Don't know, refused, or other missing values of RwDEPRES, RweFFORT, RwsLEEPR, RwfLONE, RwfFSAD, RwgOING, RwwHAPPY, and RwenLIFE are assigned special missing codes .d, .r, .m, respectively. RwDEPRES, RweFFORT, RwsLEEPR, RwfLONE, RwfFSAD, RwgOING, RwwHAPPY, and RwenLIFE are set to special missing .p if the mental health questions were skipped because the interview was by proxy. RwDEPRES, RweFFORT, RwsLEEPR, RwfLONE, RwfFSAD, RwgOING, RwwHAPPY, and RwenLIFE are set to plain missing (.) for respondents who did not respond to the current wave.

SwDEPRES, SwEFFORT, SwSLEEPR, SwFLONE, SwFSAD, SwGOING, SwWHAPPY, and SwENLIFE indicate whether the respondent's spouse reported any feelings and are taken directly from the spouse's responses to RwDEPRES, RweFFORT, RwsLEEPR, RwfLONE, RwfFSAD, RwgOING, RwwHAPPY, and RwenLIFE, respectively. In addition to the special missing codes used in RwDEPRES, RweFFORT, RwsLEEPR, RwfLONE, RwfFSAD, RwgOING, RwwHAPPY, and RwenLIFE, SwDEPRES, SwEFFORT, SwSLEEPR, SwFLONE, SwFSAD, SwGOING, SwWHAPPY, and SwENLIFE employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being

coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwCESD is the sum of RwDEPRES, RweFFORT, RwsLEePR, RwfLONE, RwfSAD, RwgOING, (1-RwWHAPPY) and (1-RwENLIFE). Thus the higher the score, the more negative the respondent's feelings were during the past week. RwCESD is not computed for respondents with all missing values for RwDEPRES, RweFFORT, RwsLEePR, RwfLONE, RwfSAD, RwgOING, RwwHAPPY, or RwenLIFE. Don't know, refused, or other missing responses to the components of RwCESD are assigned special missing .d, .r, .m, respectively. RwCESD is assigned special missing .p if the mental health questions were skipped because the interview was by proxy. RwCESD is assigned plain missing (.) if the respondent did not participate in the current wave.

SwCESD is the sum of SwDEPRES, SwEFFORT, SwSLEePR, SwFLONE, SwFSAD, SwGOING, (1-SwWHAPPY) and (1-SwENLIFE). Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwCESDM indicates how many individual measures used to derive RwCESD are missing. RwCESDM is assigned plain missing (.) if the respondent did not participate in the current wave.

SwCESDM indicates how many individual measures used to derive SwCESD are missing. SwCESDM is taken directly from the spouse's values of RwCESDM. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

No differences known.

## Differences with the RAND HRS/Harmonized HRS

In the ELSA, CESD questions are always asked as yes/no questions in each wave. In the first wave of the HRS, respondents were asked to answer the CESD questions using the scale: all or almost all of the time, most of the time, some of the time, and none or almost none of the time.

## ELSA Variables Used

### Wave 1 Core:

ASKPX1	whether interviewed by proxy
PSCEDA	much of the time during the past week, have you felt dep
PSCEDB	much of the time during the past week, have you felt tha
PSCEDC	much of the time during the past week, has your sleep be
PSCEDD	much of the time during the past week, were you happy?
PSCEDE	much of the time during the past week, have you felt lon
PSCEDF	much of the time during the past week, have you enjoyed
PSCEDG	much of the time during the past week, have you felt sad
PSCEDH	much of the time during the past week, could you not get

### Wave 2 Core:

ASKPX1	Whether interviewed by proxy
PSCEDA	Whether respondent has felt depressed much of the time d
PSCEDB	Whether respondent felt everything they did during the p
PSCEDC	Whether respondent felt their sleep was restless during
PSCEDD	Whether respondent was happy much of the time during the
PSCEDE	Whether respondent felt lonely much of the time during t
PSCEDF	Whether respondent enjoyed life much of the time during
PSCEDG	Whether respondent felt sad much of the time during the
PSCEDH	Whether respondent could not get going much of the time

### Wave 3 Core:

ASKPX	whether respondent had a proxy interview
PSCEDA	whether felt depressed much of the time during past week
PSCEDB	whether felt everything they did during past week was an
PSCEDC	whether felt their sleep was restless during past week
PSCEDD	whether was happy much of the time during past week



PSCEDA	whether felt lonely much of the time during past week
PSCEDF	whether enjoyed life much of the time during past week
PSCEDG	whether felt sad much of the time during past week
PSCEDH	whether could not get going much of the time during past
Wave 4 Core:	
ASKPX	whether respondent had an interview by proxy
PSCEDA	whether felt depressed much of the time during past week
PSCEDB	whether felt everything they did during past week was an
PSCEDC	whether felt their sleep was restless during past week
PSCEDD	whether was happy much of the time during past week
PSCEDA	whether felt lonely much of the time during past week
PSCEDF	whether enjoyed life much of the time during past week
PSCEDG	whether felt sad much of the time during past week
PSCEDH	whether could not get going much of the time during past
Wave 5 Core:	
ASKPX	Whether respondent had an interview by proxy
PSCEDA	Whether felt depressed much of the time during past week
PSCEDB	Whether felt everything they did during past week was an
PSCEDC	Whether felt their sleep was restless during past week
PSCEDD	Whether was happy much of the time during past week
PSCEDA	Whether felt lonely much of the time during past week
PSCEDF	Whether enjoyed life much of the time during past week
PSCEDG	Whether felt sad much of the time during past week
PSCEDH	Whether could not get going much of the time during past
Wave 6 Core:	
ASKPX	whether respondent had an interview by proxy
PSCEDA	whether felt depressed much of the time during past week
PSCEDB	whether felt everything they did during past week was an
PSCEDC	whether felt their sleep was restless during past week
PSCEDD	whether was happy much of the time during past week
PSCEDA	whether felt lonely much of the time during past week
PSCEDF	whether enjoyed life much of the time during past week
PSCEDG	whether felt sad much of the time during past week
PSCEDH	whether could not get going much of the time during past
Wave 7 Core:	
ASKPX	whether respondent had an interview by proxy
PSCEDA	whether felt depressed much of the time during past week
PSCEDB	whether felt everything they did during past week was an
PSCEDC	whether felt their sleep was restless during past week
PSCEDD	whether was happy much of the time during past week
PSCEDA	whether felt lonely much of the time during past week
PSCEDF	whether enjoyed life much of the time during past week
PSCEDG	whether felt sad much of the time during past week
PSCEDH	whether could not get going much of the time during past
Wave 8 Core:	
ASKPX	computed: whether respondent had an interview by proxy
PSCEDA	whether felt depressed much of the time during past week
PSCEDB	whether felt everything they did during past week was an
PSCEDC	whether felt their sleep was restless during past week
PSCEDD	whether was happy much of the time during past week
PSCEDA	whether felt lonely much of the time during past week
PSCEDF	whether enjoyed life much of the time during past week
PSCEDG	whether felt sad much of the time during past week
PSCEDH	whether could not get going much of the time during past
Wave 9 Core:	
ASKPX	Computed: whether respondent had an interview by proxy
PSCEDA	Whether felt depressed much of the time during past week
PSCEDB	Whether felt everything they did during past week was an
PSCEDC	Whether felt their sleep was restless during past week
PSCEDD	Whether was happy much of the time during past week
PSCEDA	Whether felt lonely much of the time during past week
PSCEDF	Whether enjoyed life much of the time during past week
PSCEDG	Whether felt sad much of the time during past week

PSCEDH

Whether could not get going much of the time during past

<b>Satisfaction with Life Scale</b>
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Wave	Variable	Label	Type
2	R2LIDEAL	r2lideal:w2 r life is close to ideal	Categ
3	R3LIDEAL	r3lideal:w3 r life is close to ideal	Categ
4	R4LIDEAL	r4lideal:w4 r life is close to ideal	Categ
5	R5LIDEAL	r5lideal:w5 r life is close to ideal	Categ
6	R6LIDEAL	r6lideal:w6 r life is close to ideal	Categ
7	R7LIDEAL	r7lideal:w7 r life is close to ideal	Categ
8	R8LIDEAL	r8lideal:w8 r life is close to ideal	Categ
9	R9LIDEAL	r9lideal:w9 r life is close to ideal	Categ
2	S2LIDEAL	s2lideal:w2 s life is close to ideal	Categ
3	S3LIDEAL	s3lideal:w3 s life is close to ideal	Categ
4	S4LIDEAL	s4lideal:w4 s life is close to ideal	Categ
5	S5LIDEAL	s5lideal:w5 s life is close to ideal	Categ
6	S6LIDEAL	s6lideal:w6 s life is close to ideal	Categ
7	S7LIDEAL	s7lideal:w7 s life is close to ideal	Categ
8	S8LIDEAL	s8lideal:w8 s life is close to ideal	Categ
9	S9LIDEAL	s9lideal:w9 s life is close to ideal	Categ
2	R2LEXCL	r2lexcl:w2 r life conditions are excellent	Categ
3	R3LEXCL	r3lexcl:w3 r life conditions are excellent	Categ
4	R4LEXCL	r4lexcl:w4 r life conditions are excellent	Categ
5	R5LEXCL	r5lexcl:w5 r life conditions are excellent	Categ
6	R6LEXCL	r6lexcl:w6 r life conditions are excellent	Categ
7	R7LEXCL	r7lexcl:w7 r life conditions are excellent	Categ
8	R8LEXCL	r8lexcl:w8 r life conditions are excellent	Categ
9	R9LEXCL	r9lexcl:w9 r life conditions are excellent	Categ
2	S2LEXCL	s2lexcl:w2 s life conditions are excellent	Categ
3	S3LEXCL	s3lexcl:w3 s life conditions are excellent	Categ
4	S4LEXCL	s4lexcl:w4 s life conditions are excellent	Categ
5	S5LEXCL	s5lexcl:w5 s life conditions are excellent	Categ
6	S6LEXCL	s6lexcl:w6 s life conditions are excellent	Categ
7	S7LEXCL	s7lexcl:w7 s life conditions are excellent	Categ
8	S8LEXCL	s8lexcl:w8 s life conditions are excellent	Categ
9	S9LEXCL	s9lexcl:w9 s life conditions are excellent	Categ
2	R2LSTSF	r2lstsf:w2 r satisfied with life	Categ
3	R3LSTSF	r3lstsf:w3 r satisfied with life	Categ
4	R4LSTSF	r4lstsf:w4 r satisfied with life	Categ
5	R5LSTSF	r5lstsf:w5 r satisfied with life	Categ
6	R6LSTSF	r6lstsf:w6 r satisfied with life	Categ
7	R7LSTSF	r7lstsf:w7 r satisfied with life	Categ
8	R8LSTSF	r8lstsf:w8 r satisfied with life	Categ
9	R9LSTSF	r9lstsf:w9 r satisfied with life	Categ
2	S2LSTSF	s2lstsf:w2 s satisfied with life	Categ
3	S3LSTSF	s3lstsf:w3 s satisfied with life	Categ
4	S4LSTSF	s4lstsf:w4 s satisfied with life	Categ
5	S5LSTSF	s5lstsf:w5 s satisfied with life	Categ
6	S6LSTSF	s6lstsf:w6 s satisfied with life	Categ
7	S7LSTSF	s7lstsf:w7 s satisfied with life	Categ
8	S8LSTSF	s8lstsf:w8 s satisfied with life	Categ
9	S9LSTSF	s9lstsf:w9 s satisfied with life	Categ
2	R2LIMPTT	r2limptt:w2 r gotten important things in life	Categ
3	R3LIMPTT	r3limptt:w3 r gotten important things in life	Categ
4	R4LIMPTT	r4limptt:w4 r gotten important things in life	Categ

5	R5LIMPPT	r5limppt:w5	r	gotten	important	things	in	life	Categ		
6	R6LIMPPT	r6limppt:w6	r	gotten	important	things	in	life	Categ		
7	R7LIMPPT	r7limppt:w7	r	gotten	important	things	in	life	Categ		
8	R8LIMPPT	r8limppt:w8	r	gotten	important	things	in	life	Categ		
9	R9LIMPPT	r9limppt:w9	r	gotten	important	things	in	life	Categ		
2	S2LIMPPT	s2limppt:w2	s	gotten	important	things	in	life	Categ		
3	S3LIMPPT	s3limppt:w3	s	gotten	important	things	in	life	Categ		
4	S4LIMPPT	s4limppt:w4	s	gotten	important	things	in	life	Categ		
5	S5LIMPPT	s5limppt:w5	s	gotten	important	things	in	life	Categ		
6	S6LIMPPT	s6limppt:w6	s	gotten	important	things	in	life	Categ		
7	S7LIMPPT	s7limppt:w7	s	gotten	important	things	in	life	Categ		
8	S8LIMPPT	s8limppt:w8	s	gotten	important	things	in	life	Categ		
9	S9LIMPPT	s9limppt:w9	s	gotten	important	things	in	life	Categ		
2	R2LCHNOT	r2lchnot:w2	r	change	almost	nothing	if	lived	again	Categ	
3	R3LCHNOT	r3lchnot:w3	r	change	almost	nothing	if	lived	again	Categ	
4	R4LCHNOT	r4lchnot:w4	r	change	almost	nothing	if	lived	again	Categ	
5	R5LCHNOT	r5lchnot:w5	r	change	almost	nothing	if	lived	again	Categ	
6	R6LCHNOT	r6lchnot:w6	r	change	almost	nothing	if	lived	again	Categ	
7	R7LCHNOT	r7lchnot:w7	r	change	almost	nothing	if	lived	again	Categ	
8	R8LCHNOT	r8lchnot:w8	r	change	almost	nothing	if	lived	again	Categ	
9	R9LCHNOT	r9lchnot:w9	r	change	almost	nothing	if	lived	again	Categ	
2	S2LCHNOT	s2lchnot:w2	s	change	almost	nothing	if	lived	again	Categ	
3	S3LCHNOT	s3lchnot:w3	s	change	almost	nothing	if	lived	again	Categ	
4	S4LCHNOT	s4lchnot:w4	s	change	almost	nothing	if	lived	again	Categ	
5	S5LCHNOT	s5lchnot:w5	s	change	almost	nothing	if	lived	again	Categ	
6	S6LCHNOT	s6lchnot:w6	s	change	almost	nothing	if	lived	again	Categ	
7	S7LCHNOT	s7lchnot:w7	s	change	almost	nothing	if	lived	again	Categ	
8	S8LCHNOT	s8lchnot:w8	s	change	almost	nothing	if	lived	again	Categ	
9	S9LCHNOT	s9lchnot:w9	s	change	almost	nothing	if	lived	again	Categ	
2	R2LSATSC	r2lsatsc:w2	r	satisfaction	with	life	scale	score	(7pt)	Cont	
3	R3LSATSC	r3lsatsc:w3	r	satisfaction	with	life	scale	score	(7pt)	Cont	
4	R4LSATSC	r4lsatsc:w4	r	satisfaction	with	life	scale	score	(7pt)	Cont	
5	R5LSATSC	r5lsatsc:w5	r	satisfaction	with	life	scale	score	(7pt)	Cont	
6	R6LSATSC	r6lsatsc:w6	r	satisfaction	with	life	scale	score	(7pt)	Cont	
7	R7LSATSC	r7lsatsc:w7	r	satisfaction	with	life	scale	score	(7pt)	Cont	
8	R8LSATSC	r8lsatsc:w8	r	satisfaction	with	life	scale	score	(7pt)	Cont	
9	R9LSATSC	r9lsatsc:w9	r	satisfaction	with	life	scale	score	(7pt)	Cont	
2	S2LSATSC	s2lsatsc:w2	s	satisfaction	with	life	scale	score	(7pt)	Cont	
3	S3LSATSC	s3lsatsc:w3	s	satisfaction	with	life	scale	score	(7pt)	Cont	
4	S4LSATSC	s4lsatsc:w4	s	satisfaction	with	life	scale	score	(7pt)	Cont	
5	S5LSATSC	s5lsatsc:w5	s	satisfaction	with	life	scale	score	(7pt)	Cont	
6	S6LSATSC	s6lsatsc:w6	s	satisfaction	with	life	scale	score	(7pt)	Cont	
7	S7LSATSC	s7lsatsc:w7	s	satisfaction	with	life	scale	score	(7pt)	Cont	
8	S8LSATSC	s8lsatsc:w8	s	satisfaction	with	life	scale	score	(7pt)	Cont	
9	S9LSATSC	s9lsatsc:w9	s	satisfaction	with	life	scale	score	(7pt)	Cont	
2	R2LSATSCM	r2lsatscm:w2	r	satisfaction	with	life	scale	score	missings	(	Cont
3	R3LSATSCM	r3lsatscm:w3	r	satisfaction	with	life	scale	score	missings	(	Cont
4	R4LSATSCM	r4lsatscm:w4	r	satisfaction	with	life	scale	score	missings	(	Cont
5	R5LSATSCM	r5lsatscm:w5	r	satisfaction	with	life	scale	score	missings	(	Cont
6	R6LSATSCM	r6lsatscm:w6	r	satisfaction	with	life	scale	score	missings	(	Cont
7	R7LSATSCM	r7lsatscm:w7	r	satisfaction	with	life	scale	score	missings	(	Cont
8	R8LSATSCM	r8lsatscm:w8	r	satisfaction	with	life	scale	score	missings	(	Cont
9	R9LSATSCM	r9lsatscm:w9	r	satisfaction	with	life	scale	score	missings	(	Cont
2	S2LSATSCM	s2lsatscm:w2	s	satisfaction	with	life	scale	score	missings	(	Cont
3	S3LSATSCM	s3lsatscm:w3	s	satisfaction	with	life	scale	score	missings	(	Cont
4	S4LSATSCM	s4lsatscm:w4	s	satisfaction	with	life	scale	score	missings	(	Cont

5	S5LSATSCM	s5lsatscm:w5	s	satisfaction with life scale score missings	(	Cont
6	S6LSATSCM	s6lsatscm:w6	s	satisfaction with life scale score missings	(	Cont
7	S7LSATSCM	s7lsatscm:w7	s	satisfaction with life scale score missings	(	Cont
8	S8LSATSCM	s8lsatscm:w8	s	satisfaction with life scale score missings	(	Cont
9	S9LSATSCM	s9lsatscm:w9	s	satisfaction with life scale score missings	(	Cont
2	R2LSATSC3	r2lsatsc3:w2	r	satisfaction with life scale score (3pt)		Cont
3	R3LSATSC3	r3lsatsc3:w3	r	satisfaction with life scale score (3pt)		Cont
4	R4LSATSC3	r4lsatsc3:w4	r	satisfaction with life scale score (3pt)		Cont
5	R5LSATSC3	r5lsatsc3:w5	r	satisfaction with life scale score (3pt)		Cont
6	R6LSATSC3	r6lsatsc3:w6	r	satisfaction with life scale score (3pt)		Cont
7	R7LSATSC3	r7lsatsc3:w7	r	satisfaction with life scale score (3pt)		Cont
8	R8LSATSC3	r8lsatsc3:w8	r	satisfaction with life scale score (3pt)		Cont
9	R9LSATSC3	r9lsatsc3:w9	r	satisfaction with life scale score (3pt)		Cont
2	S2LSATSC3	s2lsatsc3:w2	s	satisfaction with life scale score (3pt)		Cont
3	S3LSATSC3	s3lsatsc3:w3	s	satisfaction with life scale score (3pt)		Cont
4	S4LSATSC3	s4lsatsc3:w4	s	satisfaction with life scale score (3pt)		Cont
5	S5LSATSC3	s5lsatsc3:w5	s	satisfaction with life scale score (3pt)		Cont
6	S6LSATSC3	s6lsatsc3:w6	s	satisfaction with life scale score (3pt)		Cont
7	S7LSATSC3	s7lsatsc3:w7	s	satisfaction with life scale score (3pt)		Cont
8	S8LSATSC3	s8lsatsc3:w8	s	satisfaction with life scale score (3pt)		Cont
9	S9LSATSC3	s9lsatsc3:w9	s	satisfaction with life scale score (3pt)		Cont
2	R2LSATSC3M	r2lsatsc3m:w2	r	satisfaction with life scale score missings		Cont
3	R3LSATSC3M	r3lsatsc3m:w3	r	satisfaction with life scale score missings		Cont
4	R4LSATSC3M	r4lsatsc3m:w4	r	satisfaction with life scale score missings		Cont
5	R5LSATSC3M	r5lsatsc3m:w5	r	satisfaction with life scale score missings		Cont
6	R6LSATSC3M	r6lsatsc3m:w6	r	satisfaction with life scale score missings		Cont
7	R7LSATSC3M	r7lsatsc3m:w7	r	satisfaction with life scale score missings		Cont
8	R8LSATSC3M	r8lsatsc3m:w8	r	satisfaction with life scale score missings		Cont
9	R9LSATSC3M	r9lsatsc3m:w9	r	satisfaction with life scale score missings		Cont
2	S2LSATSC3M	s2lsatsc3m:w2	s	satisfaction with life scale score missings		Cont
3	S3LSATSC3M	s3lsatsc3m:w3	s	satisfaction with life scale score missings		Cont
4	S4LSATSC3M	s4lsatsc3m:w4	s	satisfaction with life scale score missings		Cont
5	S5LSATSC3M	s5lsatsc3m:w5	s	satisfaction with life scale score missings		Cont
6	S6LSATSC3M	s6lsatsc3m:w6	s	satisfaction with life scale score missings		Cont
7	S7LSATSC3M	s7lsatsc3m:w7	s	satisfaction with life scale score missings		Cont
8	S8LSATSC3M	s8lsatsc3m:w8	s	satisfaction with life scale score missings		Cont
9	S9LSATSC3M	s9lsatsc3m:w9	s	satisfaction with life scale score missings		Cont

## Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2LIDEAL	8126	5.10	1.42	1.00	7.00
R3LIDEAL	8073	4.82	1.53	1.00	7.00
R4LIDEAL	9103	4.94	1.45	1.00	7.00
R5LIDEAL	8780	5.03	1.49	1.00	7.00
R6LIDEAL	8737	4.92	1.54	1.00	7.00
R7LIDEAL	7919	5.08	1.47	1.00	7.00
R8LIDEAL	7014	5.08	1.46	1.00	7.00
R9LIDEAL	7278	5.11	1.42	1.00	7.00
S2LIDEAL	5591	5.29	1.29	1.00	7.00
S3LIDEAL	5534	5.03	1.43	1.00	7.00
S4LIDEAL	6378	5.14	1.34	1.00	7.00
S5LIDEAL	6077	5.25	1.36	1.00	7.00
S6LIDEAL	6129	5.10	1.44	1.00	7.00
S7LIDEAL	5513	5.29	1.35	1.00	7.00
S8LIDEAL	4813	5.31	1.33	1.00	7.00
S9LIDEAL	4908	5.34	1.29	1.00	7.00

R2LEXCL	8068	5.15	1.48	1.00	7.00
R3LEXCL	8039	4.81	1.55	1.00	7.00
R4LEXCL	9077	4.93	1.49	1.00	7.00
R5LEXCL	8766	5.02	1.53	1.00	7.00
R6LEXCL	8713	4.93	1.54	1.00	7.00
R7LEXCL	7904	5.06	1.50	1.00	7.00
R8LEXCL	7002	5.08	1.49	1.00	7.00
R9LEXCL	7281	5.12	1.45	1.00	7.00
S2LEXCL	5556	5.33	1.38	1.00	7.00
S3LEXCL	5516	5.00	1.47	1.00	7.00
S4LEXCL	6362	5.12	1.39	1.00	7.00
S5LEXCL	6067	5.22	1.42	1.00	7.00
S6LEXCL	6116	5.11	1.45	1.00	7.00
S7LEXCL	5507	5.28	1.39	1.00	7.00
S8LEXCL	4795	5.31	1.37	1.00	7.00
S9LEXCL	4917	5.34	1.33	1.00	7.00
R2LSTSF	8198	5.53	1.34	1.00	7.00
R3LSTSF	8115	5.22	1.46	1.00	7.00
R4LSTSF	9190	5.34	1.39	1.00	7.00
R5LSTSF	8864	5.41	1.41	1.00	7.00
R6LSTSF	8838	5.31	1.43	1.00	7.00
R7LSTSF	8011	5.42	1.38	1.00	7.00
R8LSTSF	7107	5.41	1.37	1.00	7.00
R9LSTSF	7377	5.45	1.34	1.00	7.00
S2LSTSF	5630	5.69	1.22	1.00	7.00
S3LSTSF	5560	5.39	1.36	1.00	7.00
S4LSTSF	6417	5.51	1.27	1.00	7.00
S5LSTSF	6120	5.58	1.28	1.00	7.00
S6LSTSF	6169	5.46	1.34	1.00	7.00
S7LSTSF	5563	5.60	1.26	1.00	7.00
S8LSTSF	4860	5.61	1.23	1.00	7.00
S9LSTSF	4969	5.64	1.21	1.00	7.00
R2LIMPTT	8195	5.69	1.27	1.00	7.00
R3LIMPTT	8118	5.43	1.39	1.00	7.00
R4LIMPTT	9190	5.56	1.30	1.00	7.00
R5LIMPTT	8834	5.58	1.33	1.00	7.00
R6LIMPTT	8807	5.52	1.35	1.00	7.00
R7LIMPTT	7986	5.58	1.30	1.00	7.00
R8LIMPTT	7071	5.60	1.28	1.00	7.00
R9LIMPTT	7350	5.62	1.26	1.00	7.00
S2LIMPTT	5629	5.88	1.10	1.00	7.00
S3LIMPTT	5560	5.64	1.22	1.00	7.00
S4LIMPTT	6422	5.75	1.14	1.00	7.00
S5LIMPTT	6107	5.79	1.16	1.00	7.00
S6LIMPTT	6160	5.70	1.20	1.00	7.00
S7LIMPTT	5548	5.77	1.15	1.00	7.00
S8LIMPTT	4830	5.80	1.11	1.00	7.00
S9LIMPTT	4956	5.83	1.09	1.00	7.00
R2LCHNOT	8206	4.80	1.78	1.00	7.00
R3LCHNOT	8119	4.57	1.77	1.00	7.00
R4LCHNOT	9203	4.59	1.76	1.00	7.00
R5LCHNOT	8852	4.67	1.75	1.00	7.00
R6LCHNOT	8816	4.57	1.76	1.00	7.00
R7LCHNOT	7999	4.68	1.73	1.00	7.00
R8LCHNOT	7096	4.68	1.71	1.00	7.00
R9LCHNOT	7352	4.67	1.71	1.00	7.00

S2LCHNOT	5633	4.96	1.70	1.00	7.00
S3LCHNOT	5558	4.73	1.70	1.00	7.00
S4LCHNOT	6426	4.76	1.68	1.00	7.00
S5LCHNOT	6113	4.84	1.67	1.00	7.00
S6LCHNOT	6157	4.71	1.70	1.00	7.00
S7LCHNOT	5550	4.85	1.66	1.00	7.00
S8LCHNOT	4844	4.85	1.64	1.00	7.00
S9LCHNOT	4950	4.87	1.62	1.00	7.00
R2LSATSC	8205	5.26	1.23	1.00	7.00
R3LSATSC	8127	4.97	1.31	1.00	7.00
R4LSATSC	9194	5.07	1.25	1.00	7.00
R5LSATSC	8847	5.14	1.28	1.00	7.00
R6LSATSC	8801	5.05	1.30	1.00	7.00
R7LSATSC	7975	5.16	1.26	1.00	7.00
R8LSATSC	7081	5.17	1.24	1.00	7.00
R9LSATSC	7348	5.19	1.21	1.00	7.00
S2LSATSC	5635	5.43	1.12	1.00	7.00
S3LSATSC	5563	5.16	1.22	1.00	7.00
S4LSATSC	6420	5.25	1.15	1.00	7.00
S5LSATSC	6115	5.33	1.17	1.00	7.00
S6LSATSC	6158	5.21	1.22	1.00	7.00
S7LSATSC	5545	5.36	1.16	1.00	7.00
S8LSATSC	4837	5.38	1.12	1.00	7.00
S9LSATSC	4950	5.40	1.10	1.00	7.00
R2LSATSCM	9432	0.68	1.66	0.00	5.00
R3LSATSCM	9766	0.86	1.85	0.00	5.00
R4LSATSCM	11050	0.86	1.85	0.00	5.00
R5LSATSCM	10274	0.71	1.71	0.00	5.00
R6LSATSCM	10601	0.86	1.85	0.00	5.00
R7LSATSCM	9666	0.88	1.86	0.00	5.00
R8LSATSCM	8445	0.82	1.81	0.00	5.00
R9LSATSCM	8736	0.81	1.80	0.00	5.00
S2LSATSCM	6178	0.46	1.40	0.00	5.00
S3LSATSCM	6382	0.66	1.66	0.00	5.00
S4LSATSCM	7402	0.68	1.68	0.00	5.00
S5LSATSCM	6964	0.62	1.62	0.00	5.00
S6LSATSCM	7242	0.76	1.76	0.00	5.00
S7LSATSCM	6560	0.78	1.78	0.00	5.00
S8LSATSCM	5688	0.76	1.75	0.00	5.00
S9LSATSCM	5820	0.76	1.76	0.00	5.00
R2LSATSC3	8205	2.62	0.56	1.00	3.00
R3LSATSC3	8127	2.49	0.64	1.00	3.00
R4LSATSC3	9194	2.56	0.59	1.00	3.00
R5LSATSC3	8847	2.57	0.60	1.00	3.00
R6LSATSC3	8801	2.53	0.62	1.00	3.00
R7LSATSC3	7975	2.58	0.59	1.00	3.00
R8LSATSC3	7081	2.58	0.58	1.00	3.00
R9LSATSC3	7348	2.60	0.57	1.00	3.00
S2LSATSC3	5635	2.70	0.50	1.00	3.00
S3LSATSC3	5563	2.58	0.60	1.00	3.00
S4LSATSC3	6420	2.64	0.54	1.00	3.00
S5LSATSC3	6115	2.66	0.54	1.00	3.00
S6LSATSC3	6158	2.61	0.57	1.00	3.00
S7LSATSC3	5545	2.66	0.53	1.00	3.00
S8LSATSC3	4837	2.67	0.51	1.00	3.00
S9LSATSC3	4950	2.69	0.50	1.00	3.00

R2LSATSC3M	9432	0.68	1.66	0.00	5.00
R3LSATSC3M	9766	0.86	1.85	0.00	5.00
R4LSATSC3M	11050	0.86	1.85	0.00	5.00
R5LSATSC3M	10274	0.71	1.71	0.00	5.00
R6LSATSC3M	10601	0.86	1.85	0.00	5.00
R7LSATSC3M	9666	0.88	1.86	0.00	5.00
R8LSATSC3M	8445	0.82	1.81	0.00	5.00
R9LSATSC3M	8736	0.81	1.80	0.00	5.00
S2LSATSC3M	6178	0.46	1.40	0.00	5.00
S3LSATSC3M	6382	0.66	1.66	0.00	5.00
S4LSATSC3M	7402	0.68	1.68	0.00	5.00
S5LSATSC3M	6964	0.62	1.62	0.00	5.00
S6LSATSC3M	7242	0.76	1.76	0.00	5.00
S7LSATSC3M	6560	0.78	1.78	0.00	5.00
S8LSATSC3M	5688	0.76	1.75	0.00	5.00
S9LSATSC3M	5820	0.76	1.76	0.00	5.00

### Categorical Variable Codes

Value-----	R2LIDEAL	R3LIDEAL	R4LIDEAL	R5LIDEAL
.c:no self-completion	1072	1527	1708	1244
.m:Missing	234	166	239	250
1.strongly disagree	188	232	247	237
2.disagree	459	687	656	634
3.slightly disagree	404	756	542	516
4.neither agree nor disagree	1227	1113	1308	1103
5.slightly agree	1595	1536	2145	1851
6.agree	3543	3305	3632	3643
7.strongly agree	710	444	573	796

Value-----	R6LIDEAL	R7LIDEAL	R8LIDEAL	R9LIDEAL
.c:no self-completion	1604	1469	1223	1234
.m:Missing	260	278	208	
.r:Refuse				224
1.strongly disagree	280	193	157	165
2.disagree	705	508	447	403
3.slightly disagree	610	466	424	420
4.neither agree nor disagree	1158	1035	966	987
5.slightly agree	1812	1565	1403	1509
6.agree	3432	3371	2919	3090
7.strongly agree	740	781	698	704

Value-----	S2LIDEAL	S3LIDEAL	S4LIDEAL	S5LIDEAL
.c:no self-completion	452	769	890	751
.m:Missing	135	81	134	136
.u:Unmar	2671	2706	2932	2742
.v:SP NR	583	676	716	568
1.strongly disagree	86	101	110	106
2.disagree	212	358	324	309
3.slightly disagree	227	453	329	284
4.neither agree nor disagree	727	681	834	666
5.slightly agree	1102	1074	1491	1266
6.agree	2680	2499	2809	2810
7.strongly agree	557	368	481	636

Value-----	S6LIDEAL	S7LIDEAL	S8LIDEAL	S9LIDEAL
.c:no self-completion	998	902	761	789
.m:Missing	115	145	114	
.r:Refuse				123
.u:Unmar	2802	2548	2255	2286
.v:SP NR	557	558	502	630
1.strongly disagree	145	90	65	67
2.disagree	364	237	206	175
3.slightly disagree	383	278	222	233
4.neither agree nor disagree	736	628	585	555



5.slightly agree	1263	1033	908	973	
6.agree	2660	2616	2254	2349	
7.strongly agree	578	631	573	556	
Value-----		R2LEXCL	R3LEXCL	R4LEXCL	R5LEXCL
.c:no self-completion		1072	1527	1708	1244
.m:Missing		292	200	265	264
1.strongly disagree		202	252	250	232
2.disagree		481	694	648	651
3.slightly disagree		525	787	729	654
4.neither agree nor disagree		838	1011	1096	942
5.slightly agree		1657	1750	2249	1989
6.agree		3348	2967	3325	3310
7.strongly agree		1017	578	780	988
Value-----	R6LEXCL	R7LEXCL	R8LEXCL	R9LEXCL	
.c:no self-completion	1604	1469	1223	1234	
.m:Missing	284	293	220		
.r:Refuse				221	
1.strongly disagree	236	192	167	149	
2.disagree	680	513	439	401	
3.slightly disagree	753	602	524	535	
4.neither agree nor disagree	1045	913	822	860	
5.slightly agree	1954	1664	1493	1601	
6.agree	3162	3111	2721	2873	
7.strongly agree	883	909	836	862	
Value-----		S2LEXCL	S3LEXCL	S4LEXCL	S5LEXCL
.c:no self-completion		452	769	890	751
.m:Missing		170	99	150	146
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
1.strongly disagree		100	116	112	111
2.disagree		241	371	340	333
3.slightly disagree		298	488	441	360
4.neither agree nor disagree		512	630	712	592
5.slightly agree		1127	1212	1554	1365
6.agree		2481	2217	2569	2509
7.strongly agree		797	482	634	797
Value-----	S6LEXCL	S7LEXCL	S8LEXCL	S9LEXCL	
.c:no self-completion	998	902	761	789	
.m:Missing	128	151	132		
.r:Refuse				114	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.strongly disagree	126	88	72	56	
2.disagree	356	262	209	189	
3.slightly disagree	471	329	277	291	
4.neither agree nor disagree	672	552	486	507	
5.slightly agree	1362	1155	1012	1033	
6.agree	2429	2378	2055	2147	
7.strongly agree	700	743	684	694	
Value-----		R2LSTSF	R3LSTSF	R4LSTSF	R5LSTSF
.c:no self-completion		1072	1527	1708	1244
.m:Missing		162	124	152	166
1.strongly disagree		117	179	174	139
2.disagree		332	447	416	446
3.slightly disagree		378	657	560	532
4.neither agree nor disagree		544	668	724	624
5.slightly agree		1182	1261	1609	1396
6.agree		4146	4003	4492	4279
7.strongly agree		1499	900	1215	1448
Value-----	R6LSTSF	R7LSTSF	R8LSTSF	R9LSTSF	
.c:no self-completion	1604	1469	1223	1234	
.m:Missing	159	186	115		
.r:Refuse				125	
1.strongly disagree	155	141	100	111	
2.disagree	458	313	303	253	

3.slightly disagree	588	469	431	419	
4.neither agree nor disagree	750	670	581	589	
5.slightly agree	1492	1251	1123	1230	
6.agree	4096	3867	3452	3588	
7.strongly agree	1299	1300	1117	1187	
Value-----		S2LSTSF	S3LSTSF	S4LSTSF	S5LSTSF
.c:no self-completion		452	769	890	751
.m:Missing		96	55	95	93
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
1.strongly disagree		53	83	71	61
2.disagree		165	225	207	208
3.slightly disagree		210	382	338	314
4.neither agree nor disagree		305	409	438	353
5.slightly agree		755	843	1064	877
6.agree		2989	2897	3328	3185
7.strongly agree		1153	721	971	1122
Value-----	S6LSTSF	S7LSTSF	S8LSTSF	S9LSTSF	
.c:no self-completion	998	902	761	789	
.m:Missing	75	95	67		
.r:Refuse				62	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.strongly disagree	84	60	38	44	
2.disagree	237	160	135	111	
3.slightly disagree	352	267	227	235	
4.neither agree nor disagree	465	374	340	313	
5.slightly agree	999	796	700	743	
6.agree	3029	2860	2536	2596	
7.strongly agree	1003	1046	884	927	
Value-----		R2LIMPTT	R3LIMPTT	R4LIMPTT	R5LIMPTT
.c:no self-completion		1072	1527	1708	1244
.m:Missing		165	121	152	196
1.strongly disagree		87	141	107	107
2.disagree		283	356	331	347
3.slightly disagree		281	478	405	398
4.neither agree nor disagree		449	573	631	564
5.slightly agree		1133	1168	1417	1344
6.agree		4034	4147	4610	4232
7.strongly agree		1928	1255	1689	1842
Value-----	R6LIMPTT	R7LIMPTT	R8LIMPTT	R9LIMPTT	
.c:no self-completion	1604	1469	1223	1234	
.m:Missing	190	211	151		
.r:Refuse				152	
1.strongly disagree	136	104	80	85	
2.disagree	316	252	225	186	
3.slightly disagree	449	361	299	305	
4.neither agree nor disagree	614	584	506	539	
5.slightly agree	1420	1174	1042	1123	
6.agree	4201	3918	3531	3598	
7.strongly agree	1671	1593	1388	1514	
Value-----		S2LIMPTT	S3LIMPTT	S4LIMPTT	S5LIMPTT
.c:no self-completion		452	769	890	751
.m:Missing		97	55	90	106
.u:Unmar		2671	2706	2932	2742
.v:SP NR		583	676	716	568
1.strongly disagree		33	46	33	41
2.disagree		108	152	143	147
3.slightly disagree		132	265	218	182
4.neither agree nor disagree		235	318	351	308
5.slightly agree		700	726	917	834
6.agree		2924	3042	3363	3115
7.strongly agree		1497	1011	1397	1480
Value-----	S6LIMPTT	S7LIMPTT	S8LIMPTT	S9LIMPTT	
.c:no self-completion	998	902	761	789	

.m:Missing	84	110	97		
.r:Refuse				75	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.strongly disagree	57	40	29	29	
2.disagree	135	109	88	66	
3.slightly disagree	253	182	136	158	
4.neither agree nor disagree	350	308	262	252	
5.slightly agree	909	753	649	665	
6.agree	3127	2860	2532	2580	
7.strongly agree	1329	1296	1134	1206	
Value-----		R2LCHNOT	R3LCHNOT	R4LCHNOT	R5LCHNOT
.c:no self-completion		1072	1527	1708	1244
.m:Missing		154	120	139	178
1.strongly disagree		429	442	510	455
2.disagree		880	986	1091	1004
3.slightly disagree		849	1138	1113	1033
4.neither agree nor disagree		681	723	902	860
5.slightly agree		1500	1424	1835	1718
6.agree		2651	2618	2807	2753
7.strongly agree		1216	788	945	1029
Value-----	R6LCHNOT	R7LCHNOT	R8LCHNOT	R9LCHNOT	
.c:no self-completion	1604	1469	1223	1234	
.m:Missing	181	198	126		
.r:Refuse				150	
1.strongly disagree	494	396	322	357	
2.disagree	1046	843	731	772	
3.slightly disagree	1065	907	864	816	
4.neither agree nor disagree	993	963	829	915	
5.slightly agree	1630	1441	1380	1434	
6.agree	2692	2538	2167	2275	
7.strongly agree	896	911	803	783	
Value-----	S2LCHNOT	S3LCHNOT	S4LCHNOT	S5LCHNOT	
.c:no self-completion	452	769	890	751	
.m:Missing	93	57	86	100	
.u:Unmar	2671	2706	2932	2742	
.v:SP NR	583	676	716	568	
1.strongly disagree	214	215	266	235	
2.disagree	516	571	644	583	
3.slightly disagree	563	770	724	672	
4.neither agree nor disagree	427	477	615	547	
5.slightly agree	1045	1006	1353	1243	
6.agree	1985	1934	2137	2088	
7.strongly agree	883	585	687	745	
Value-----	S6LCHNOT	S7LCHNOT	S8LCHNOT	S9LCHNOT	
.c:no self-completion	998	902	761	789	
.m:Missing	87	108	83		
.r:Refuse				81	
.u:Unmar	2802	2548	2255	2286	
.v:SP NR	557	558	502	630	
1.strongly disagree	283	205	174	171	
2.disagree	637	501	414	426	
3.slightly disagree	715	598	538	494	
4.neither agree nor disagree	660	623	527	565	
5.slightly agree	1185	1014	969	1023	
6.agree	2036	1926	1625	1686	
7.strongly agree	641	683	597	585	

## How Constructed

RwLIDEAL, RwLEXCL, RwLSTSF, RwLIMPTT, and RwLCHNOT indicate how much the respondent agrees with specific statements about their satisfaction with life. RwLIDEAL indicates how much the respondent agrees with the statement "In most ways my life is close to my ideal." RwLEXCL indicates how much the respondent agrees with the statement "The conditions of my life are excellent." RwLSTSF indicates how much the respondent agrees with the statement "I am satisfied with my life." RwLIMPTT indicates how much the respondent agrees with the statement "So far I have got the important things I want in life." RwLCHNOT indicates how

much the respondent agrees with the statement "If I could live my life again, I would change almost nothing." RwlLIDEAL, RwlLEXCL, RwlLSTSF, RwlLIMPTT, and RwlLCHNOT are coded as follows: 1.strongly disagree, 2.disagree, 3.slightly disagree, 4.neither agree nor disagree, 5.slightly agree, 6.agree, 7.strongly agree. Please note that the answer scale in the original questions goes from 1.strongly agree to 7.strongly disagree, which have been reverse-coded for these variables to 1.strongly disagree to 7.strongly agree. These questions are included in the self-completion questionnaire starting in Wave 2, and so respondents who did not complete the self-completion questionnaire are assigned special missing .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. RwlLIDEAL, RwlLEXCL, RwlLSTSF, RwlLIMPTT, and RwlLCHNOT are set to plain missing (.) for respondents who did not respond to the current wave.

SwLIDEAL, SwLEXCL, SwLSTSF, SwLIMPTT, and SwLCHNOT indicate how much the respondent's spouse agrees with specific statements about their satisfaction with life and are taken directly from the spouse's responses to RwlLIDEAL, RwlLEXCL, RwlLSTSF, RwlLIMPTT, and RwlLCHNOT, respectively. In addition to the special missing codes used in RwlLIDEAL, RwlLEXCL, RwlLSTSF, RwlLIMPTT, and RwlLCHNOT, SwLIDEAL, SwLEXCL, SwLSTSF, SwLIMPTT, and SwLCHNOT employ two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLSATSC is the mean of RwlLIDEAL, RwlLEXCL, RwlLSTSF, RwlLIMPTT, and RwlLCHNOT using a 7-item scale ranging from 1.strongly disagree to 7.strongly agree. Thus the higher the score, the more the respondent is satisfied with their life. RwLSATSC is not computed for respondents with 3 or more missing values for RwlLIDEAL, RwlLEXCL, RwlLSTSF, RwlLIMPTT, and RwlLCHNOT. Respondents who did not complete the self-completion questionnaire are assigned special missing .c. Don't know, refused, or other missing responses to the components of RwLSATSC are assigned special missing .d, .r, .m, respectively. RwLSATSCM indicates how many individual measures used to derive RwLSATSC are missing. RwLSATSC and RwLSATSCM are assigned plain missing (.) if the respondent did not participate in the current wave.

SwLSATSC is the respondent's spouse's mean satisfaction with life using a 7-item scale, and its values are taken from RwLSATSC. SwLSATSCM indicates the number of missing components for the respondent's spouse's mean satisfaction with life, and its values are taken from RwLSATSCM. In addition to the special missing codes used in RwLSATSC and RwLSATSCM, SwLSATSC and SwLSATSCM employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

RwLSATSC3 is the mean of RwlLIDEAL, RwlLEXCL, RwlLSTSF, RwlLIMPTT, and RwlLCHNOT using a 3-item scale coded as 1.disagree, 2.neither agree nor disagree, 3.agree. Responses of strongly disagree, disagree, and slightly disagree are grouped into 1.disagree, and responses of strongly agree, agree, and slightly agree are grouped into 3.agree. Thus the higher the score, the more the respondent is satisfied with their life. RwLSATSC3 is not computed for respondents with 3 or more missing values for RwlLIDEAL, RwlLEXCL, RwlLSTSF, RwlLIMPTT, and RwlLCHNOT. Respondents who did not complete the self-completion questionnaire are assigned special missing .c. Don't know, refused, or other missing responses to the components of RwLSATSC3 are assigned special missing .d, .r, .m, respectively. RwLSATSC3M indicates how many individual measures used to derive RwLSATSC3 are missing. RwLSATSC3 and RwLSATSC3M are assigned plain missing (.) if the respondent did not participate in the current wave.

SwLSATSC3 is the respondent's spouse's mean satisfaction with life using a 3-item scale, and its values are taken from RwLSATSC3. SwLSATSC3M indicates the number of missing components for the respondent's spouse's mean satisfaction with life, and its values are taken from RwLSATSC3M. In addition to the special missing codes used in RwLSATSC3 and RwLSATSC3M, SwLSATSC3 and SwLSATSC3M employ two other missing codes, .u and .v. Special missing value .u is used when the respondent does not report being coupled in the current wave. Special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

These questions are not asked in Wave 1.

## Differences with the RAND HRS/Harmonized HRS

In the ELSA, the answer choices to these questions are 1.strongly agree to 7.strongly disagree. The HRS

uses different response scales than ELSA in most waves. In Wave 7, HRS uses the same 7-point response scale as ELSA. In Wave 8, HRS uses a 6-point response scale as follows: 1.strongly disagree, 2.somewhat disagree, 3.slightly disagree, 4.slightly agree, 5.somewhat agree, 6.strongly agree (omitting "neither agree nor disagree"). Starting in Wave 9, HRS uses a 7-point response scale as follows: 1.strongly disagree, 2.somewhat disagree, 3.slightly disagree, 4.neither agree nor disagree, 5.slightly agree, 6.somewhat agree, 7.strongly agree. Please note that while ELSA uses "agree" and "disagree", the HRS uses "somewhat agree" and "somewhat disagree". To provide variables which are comparable between the ELSA and the HRS at Wave 7 and the HRS at Wave 9 and later, the response scale has been reverse-coded in these Harmonized ELSA variables and in the Harmonized HRS at Wave 7.

## ELSA Variables Used

### Wave 2 Core:

SCLIFEA In most ways their life is close to ideal  
 SCLIFEB The conditions of their life are excellent  
 SCLIFEC The respondent is satisfied with their life  
 SCLIFED So far, the respondent has got the important things they  
 SCLIFEE If the respondent could live their life again, they woul

### Wave 3 Core:

SCLIFEA in most ways his/her life is close to his/her ideal  
 SCLIFEB the conditions of his/her life are excellent  
 SCLIFEC is satisfied with his/her life  
 SCLIFED so far, he/she has got the important things wants in lif  
 SCLIFEE if could live his/her life again, would change almost no

### Wave 4 Core:

SCLIFEA in most ways his/her life is close to his/her ideal  
 SCLIFEB the conditions of his/her life are excellent  
 SCLIFEC is satisfied with his/her life  
 SCLIFED so far, he/she has got the important things wants in lif  
 SCLIFEE if could live his/her life again, would change almost no

### Wave 5 Core:

SCLIFEA In most ways his/her life is close to his/her ideal  
 SCLIFEB The conditions of his/her life are excellent  
 SCLIFEC Is satisfied with his/her life  
 SCLIFED So far, he/she has got the important things wants in lif  
 SCLIFEE If could live his/her life again, would change almost no

### Wave 6 Core:

SCLIFEA in most ways his/her life is close to his/her ideal  
 SCLIFEB the conditions of his/her life are excellent  
 SCLIFEC is satisfied with his/her life  
 SCLIFED so far, he/she has got the important things wants in lif  
 SCLIFEE if could live his/her life again, would change almost no

### Wave 7 Core:

SCLIFEA in most ways his/her life is close to his/her ideal  
 SCLIFEB the conditions of his/her life are excellent  
 SCLIFEC is satisfied with his/her life  
 SCLIFED so far, he/she has got the important things wants in lif  
 SCLIFEE if could live his/her life again, would change almost no

### Wave 8 Core:

SCLIFEA how much agrees with the statement: in most ways my life  
 SCLIFEB how much agrees with the statement: the conditions of my  
 SCLIFEC how much agrees with the statement: i am satisfied with  
 SCLIFED how much agrees with the statement: so far i have got th  
 SCLIFEE how much agrees with the statement: if i could live my l

### Wave 9 Core:

SCLIFEA How much agrees with the statement: in most ways my life  
 SCLIFEB How much agrees with the statement: the conditions of my  
 SCLIFEC How much agrees with the statement: I am satisfied with  
 SCLIFED How much agrees with the statement: so far I have got th  
 SCLIFEE How much agrees with the statement: if I could live my l

**Single Life Satisfaction Question**

Wave	Variable	Label	Type
2	R2SATLIFEZ	r2satlifez:w2 r satisfaction with life z-score	Cont
3	R3SATLIFEZ	r3satlifez:w3 r satisfaction with life z-score	Cont
4	R4SATLIFEZ	r4satlifez:w4 r satisfaction with life z-score	Cont
5	R5SATLIFEZ	r5satlifez:w5 r satisfaction with life z-score	Cont
6	R6SATLIFEZ	r6satlifez:w6 r satisfaction with life z-score	Cont
7	R7SATLIFEZ	r7satlifez:w7 r satisfaction with life z-score	Cont
8	R8SATLIFEZ	r8satlifez:w8 r satisfaction with life z-score	Cont
9	R9SATLIFEZ	r9satlifez:w9 r satisfaction with life z-score	Cont
2	S2SATLIFEZ	s2satlifez:w2 s satisfaction with life z-score	Cont
3	S3SATLIFEZ	s3satlifez:w3 s satisfaction with life z-score	Cont
4	S4SATLIFEZ	s4satlifez:w4 s satisfaction with life z-score	Cont
5	S5SATLIFEZ	s5satlifez:w5 s satisfaction with life z-score	Cont
6	S6SATLIFEZ	s6satlifez:w6 s satisfaction with life z-score	Cont
7	S7SATLIFEZ	s7satlifez:w7 s satisfaction with life z-score	Cont
8	S8SATLIFEZ	s8satlifez:w8 s satisfaction with life z-score	Cont
9	S9SATLIFEZ	s9satlifez:w9 s satisfaction with life z-score	Cont

**Descriptive Statistics**

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SATLIFEZ	8198	0.00	1.00	-3.38	1.09
R3SATLIFEZ	8115	0.00	1.00	-2.88	1.22
R4SATLIFEZ	9190	-0.00	1.00	-3.12	1.19
R5SATLIFEZ	8864	-0.00	1.00	-3.13	1.13
R6SATLIFEZ	8838	-0.00	1.00	-3.01	1.18
R7SATLIFEZ	8011	-0.00	1.00	-3.20	1.14
R8SATLIFEZ	7107	-0.00	1.00	-3.22	1.16
R9SATLIFEZ	7377	-0.00	1.00	-3.33	1.16
S2SATLIFEZ	5630	0.11	0.91	-3.38	1.09
S3SATLIFEZ	5560	0.12	0.93	-2.88	1.22
S4SATLIFEZ	6417	0.12	0.91	-3.12	1.19
S5SATLIFEZ	6120	0.13	0.91	-3.13	1.13
S6SATLIFEZ	6169	0.10	0.94	-3.01	1.18
S7SATLIFEZ	5563	0.13	0.92	-3.20	1.14
S8SATLIFEZ	4860	0.14	0.90	-3.22	1.16
S9SATLIFEZ	4969	0.14	0.90	-3.33	1.16

**How Constructed**

RwSATLIFEZ is a z-scored version of the respondent's satisfaction with life. The respondent is asked how much they agree or disagree with the statement "I am satisfied with my life," with the answer choices of 1.strongly disagree, 2.disagree, 3.slightly disagree, 4.neither agree nor disagree, 5.slightly agree, 6.agree, and 7.strongly agree. While the original answer choices range from strongly agree to strongly disagree, they have been reverse-coded so that a higher score indicates more satisfaction with life and then z-scored. This question is included in the self-completion questionnaire starting in Wave 2, and so respondents who did not complete the self-completion questionnaire are assigned special missing .c. Don't know, refused, or other missing values are assigned special missing codes .d, .r, .m, respectively. RwSATLIFEZ is set to plain missing (.) for respondents who did not respond to the current wave.

SwSATLIFEZ is a z-scored version of the respondent's spouse's satisfaction with life and its values are taken directly from the spouse's responses to RwSATLIFEZ. In addition to the special missing codes used in RwSATLIFEZ, SwSATLIFEZ employs two other missing codes, .u and .v. A special missing value .u is used when the respondent does not report being coupled in the current wave. A special missing value .v is used when the respondent reports being coupled in the current wave but their spouse is not interviewed.

## Cross Wave Differences in ELSA

This question is not asked in Wave 1.

## Differences with the RAND HRS/Harmonized HRS

In the ELSA, the respondent is asked their level of agreement with the statement "I am satisfied with my life" and the responses to this question are coded as 1.strongly agree to 7.strongly disagree. These have been reverse-coded and presented in RwlSTSF under "Satisfaction with Life Scale". RwsATLIFEZ in the Harmonized ELSA also reverse-codes these response values and z-scores them for comparability between studies. In the HRS, the respondent is asked "Please think about your life as a whole. How satisfied are you with it?" and the responses to this question are coded as 1.completely satisfied, 2.very satisfied, 3.somewhat satisfied, 4.not very satisfied, 5.not at all satisfied. To provide variables which are comparable between the HRS and the ELSA, the Harmonized HRS contains a reverse-coded and z-scored version of the HRS respondent's answer to satisfaction with life.

## ELSA Variables Used

Wave 2 Core:	
SCLIFEC	The respondent is satisfied with their life
Wave 3 Core:	
SCLIFEC	is satisfied with his/her life
Wave 4 Core:	
SCLIFEC	is satisfied with his/her life
Wave 5 Core:	
SCLIFEC	Is satisfied with his/her life
Wave 6 Core:	
SCLIFEC	is satisfied with his/her life
Wave 7 Core:	
SCLIFEC	is satisfied with his/her life
Wave 8 Core:	
SCLIFEC	how much agrees with the statement: i am satisfied with
Wave 9 Core:	
SCLIFEC	How much agrees with the statement: I am satisfied with

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