Cross-Country Comparisons

2023 ELSA 20th Anniversary Conference

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Aging changes, universal or heterogeneous?

Aging changes can be attributed to

- an inherent process, referred to as the aging process;

- genetic defects;
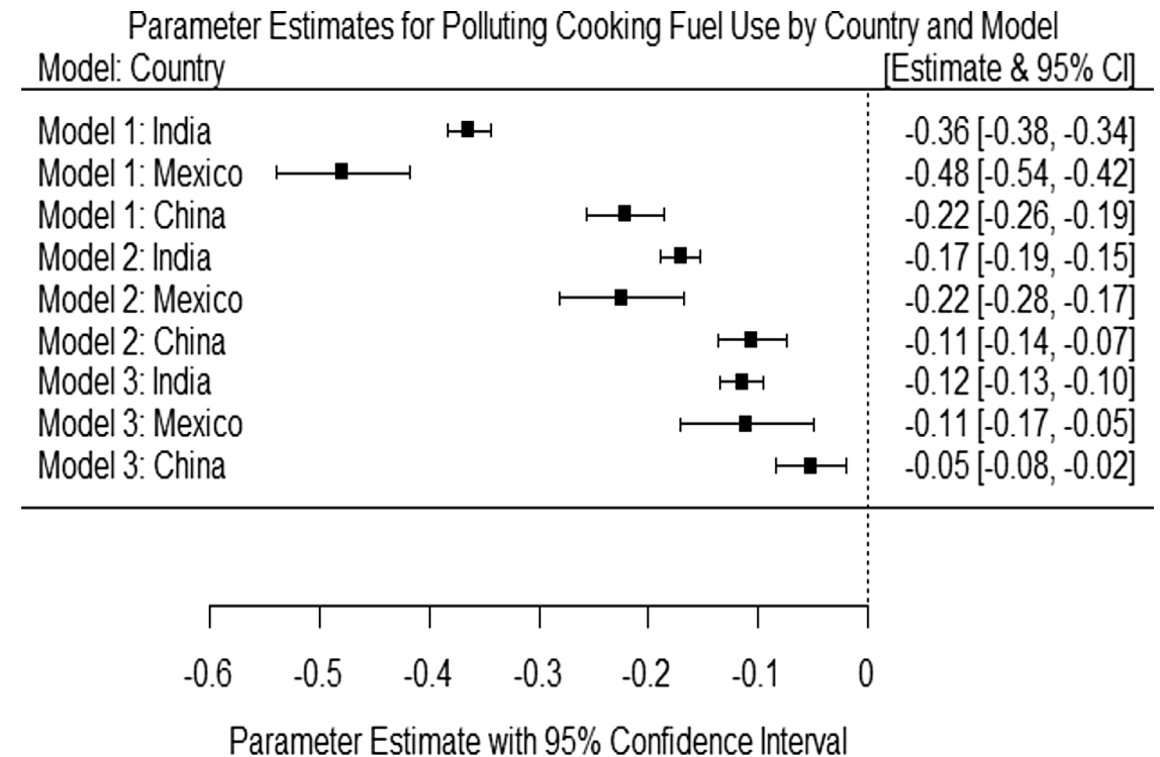
- disease processes; and

- the environment.

Opportunities to study what is universal

Household use of polluting cooking fuels and late-life cognitive function: A harmonized analysis of India, Mexico, and China

Joseph L. Saenz [a,*], Sara D. Adar [b], Yuan S. Zhang [c], Jenny Wilkens [d], Aparajita Chattopadhyay [e], Jinkook Lee [d,f], Rebeca Wong [g]

Fig. 1. Adjusted mean differences in cognitive functioning

Parameter Estimates for Polluting Cooking Fuel Use by Country and Model

Model: Country	[Estimate & 95% CI]
Model 1: India	-0.36 [-0.38, -0.34]
Model 1: Mexico	-0.48 [-0.54, -0.42]
Model 1: China	-0.22 [-0.26, -0.19]
Model 2: India	-0.17 [-0.19, -0.15]
Model 2: Mexico	-0.22 [-0.28, -0.17]
Model 2: China	-0.11 [-0.14, -0.07]
Model 3: India	-0.12 [-0.13, -0.10]
Model 3: Mexico	-0.11 [-0.17, -0.05]
Model 3: China	-0.05 [-0.08, -0.02]

Parameter Estimate with 95% Confidence Interval

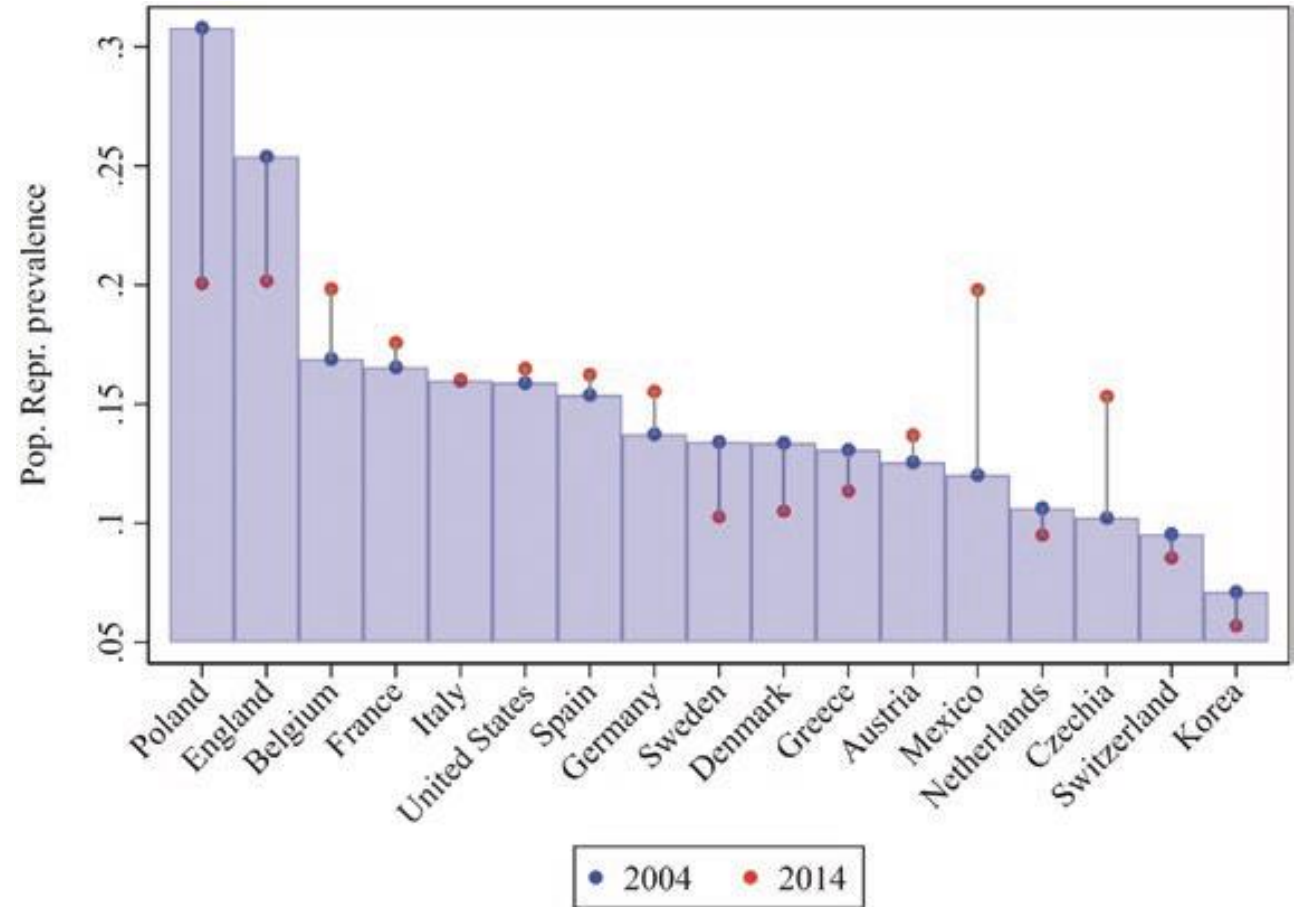# Opportunity to study diverging trends

Living Longer, With or Without Disability? A Global and Longitudinal Perspective

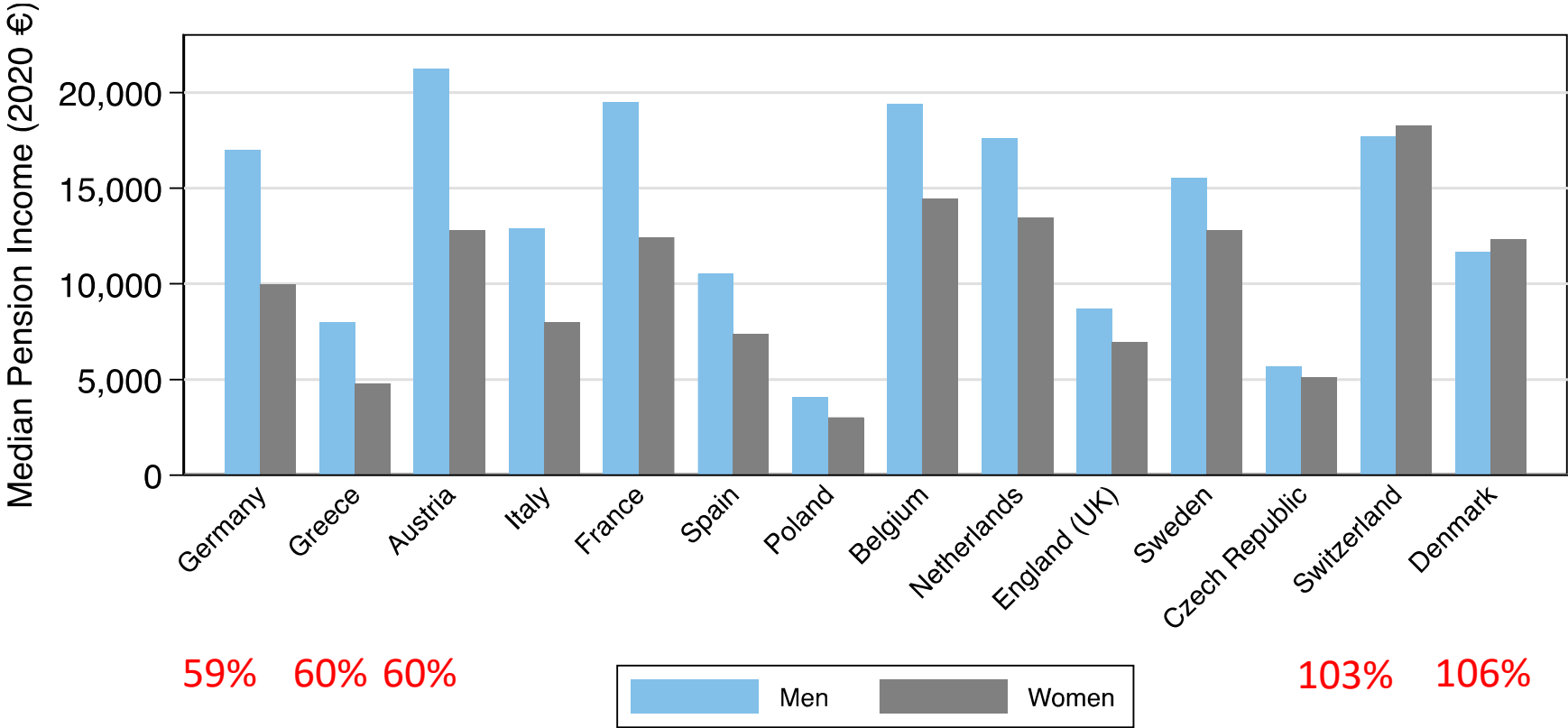Jinkook Lee, PhD, Samuel Lau, BA, Erik Meijer, PhD, Peifeng Hu, MD, PhD

Population representative disability prevalence rates

Opportunity to study disparity

Notes: Estimates are conditional on observing individuals at age 70 or older to avoid censoring on pension income level. Income depicted in 2020 euros. Values are computed by first taking the median of non-zero, inflation-adjusted annual after-tax pension income reported by individuals across interviews and then taking the median by sex and country.

What explains sex-based differences?

- Work history differences
  - Labor force participation over lifecycle
  - Earnings over lifecycle

- Policy differences
  - Retirement eligibility policies
  - Progressivity of benefits

Germany
Own Old-Age Benefits
Plan details 1992-2021†

Gesetzliche Rentenversicherung (GRV) is the German compulsory old age public pension system that provides a defined benefit to workers based on their contribution history. Contributions are converted in points in the year they are paid and those points are converted to an annual benefit based on a pension point value that is updated annually. Since 1992, the main design of the pension system has remained largely the same, but reforms have led to a gradual increase in benefit eligibility ages and the introduction of incentives to delay starting benefits.

Key Dates
First law: 1889
Major changes since 1992: 1999, 2001, 2004, 2007

Contents

*If you have questions or suggestions, please contact policy@g2aging.org.
†Detailed information and definitions are provided in tables, formulas and a glossary at the end of this document. To facilite switching back and forth, this document is designed with hyperlinks. Most PDF readers have shortcuts that permit a reader to return to the previous location after selecting a hyperlink. In Adobe Acrobat on a PC: "Alt" + "←"; In Adobe Acrobat on a MAC: "command" + "←"; In Preview on a MAC: "command" + "[".

Thank You!
Happy 20th Anniversary!