

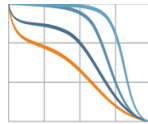


MAX-PLANCK-INSTITUT  
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## Recent Trends and Future Uncertainties in Longevity The 5<sup>th</sup> Human Mortality Database Symposium



- Dates** 13–15 May 2019
- Location** Harnack Haus  
*Berlin, Germany*
- Sponsor** Max Planck Institute for Demographic Research  
*Rostock, Germany*
- Organizers** Dmitri Jdanov, Domantas Jasilionis,  
Vladimir Shkolnikov, Magali Barbieri

# PROGRAMME

## Monday, May 13

### 9:00–9:20 Welcome and Introduction

**Dmitri Jdanov** (MPIDR)

**Vladimir M. Shkolnikov** (Director of the HMD; MPIDR)

**Magali Barbieri** (Associate Director of the HMD; UCB and INED)

### 9:20–10:00 KEYNOTE TALK I • Chair: Jacques Vallin

**Mikko Myrskylä** (MPIDR) *TBA*

### 10:00–10:30 COFFEE BREAK

### 10:30–12:00 SESSION I: Mortality patterns and longevity • Chair: Vladimir Shkolnikov

- **Guillot, M.** (PennPSC/INED); **Romero Prieto, J.** (CEER); **Verhulst, A.**; **Gerland, P.** (UNPD)  
*Modeling age-specific mortality by detailed age between 0 and 5 years: Results from a log-quadratic model applied to high-quality vital registration data*
- **Diaconu, V.** (MPIDR); **Ouellette, N.** (UdEM); **Horiouchi, S.** (CIDR)  
*Inverse function of mortality as a measure of longevity extension*
- **di Lego, V.** (VID/ ÖAW)  
*How many times have our lives been saved? A reappraisal of the resuscitation approach using HMD data*
- **Zheng, H.** (OSU); **Cheng, S.** (NYU)  
*A Simulation Study of the Role of Cohort Forces in Mortality Patterns*

### 12:00–13:00 LUNCH BREAK

### 13:00–14:30 SESSION II: Frontiers of longevity • Chair: France Meslé

- **Álvarez, J.-A.** (SDU); **Vaupel, J.W.** (SDU)  
*Centenarian survival: Increasing or stagnating?*
- **Cheung, KSL.** (HKU); **Wang, J.**(RUC); **Robine, JM.** (INED)  
*Beyond a mortality plateau: a fresh inquiry into the adult longevity and the force of old-age mortality*
- **Poulain, M.**( UCLouvain); **Herm, A.** (TLU)  
*Comparing Longevity and Mortality Levels at Highest Ages with the Help of HMD*
- **Jasilionis, D.**(MPIDR); **Martikainen, P.**(UH); **Shkolnikov, V.** (MPIDR, HSE)  
*Educational components of national longevity advances in Nordic countries*

14:30–15:00 COFFEE BREAK

15:00–15:40 **KEYNOTE TALK III** • *Chair: Dmitri Jdanov*

**Emilio Zagheni** (MPIDR)

*Digital trace data for demographic research*

15:40–16:40 **SESSION III: Consistency of mortality data** • *Chair: Dmitri Jdanov*

- **Oeppen, J.** (SDU)  
*Net-Migration in the Human Mortality Database and related databases*
- **Noymer, A.** (UCI)  
*Using Benford's law to assess life table ensembles: HMD and the WHO Model life tables*
- **Danilova, I.** (MPIDR)  
*Consistency of longitudinal time series in cause-specific mortality over the ICD-10 period*

16:40–16:50 BREAK

16:50–18:00 **ROUND TABLE I: The HMD today and tomorrow: challenges and opportunities**

18:00 – 19:00 DINNER AT THE HARNACK HAUS

19:00–20:00 **Poster session**

## Tuesday, May 14

9:00–9:40 **KEYNOTE TALK IV** • Chair: Magali Barbieri

**Fanny Janssen** (PRC, UG)

*The role of smoking, alcohol and obesity in past and future mortality levels and trends in Europe*

9:40–10:20 **SESSION IV: Causes of death and determinants I** • Chair: Magali Barbieri

- **Doblhammer-Reiter, G.; Fritze, T.** (UniRostock)  
*Dementia may become the leading disease at the time of death in Germany: probabilistic disease-projections among the deceased*
- **Sasson, I.**(TAU); **Hayward, M.** (UT Austin)  
*“Deaths of despair” revisited: Widening educational disparities in US adult life expectancy, 2010–2017*

10:20–10:40 COFFEE BREAK

10:40–11:20 **KEYNOTE TALK V** • Chair: Domantas Jasilionis

**Vladimir M. Shkolnikov** (MPIDR, HSE)

*Life expectancy in Russia: consequences of mortality reversal and components of ongoing improvement*

11:20–12:00 **SESSION V: Causes of death and determinants II** • Chair: Domantas Jasilionis

- **Trias-Llimós, S.** (LSHTM); **Leon, DA** (LSHTM, UiT)  
*Linking multiple risk factors to cardiovascular mortality for understanding country differences*
- **Andreev, E.**(HSE); **Timonin, S.**(HSE); **Shkolnikov, V.** (MPIDR, HSE)  
*The dramatic increase in HIV/Aids mortality in Russia. What do vital statistics tell us?*

12:00– 13:00 LUNCH BREAK

13:00–14:30 **SESSION VII: Spatial inequalities** • Chair: Pavel Grigoriev

- **Barbieri, M.** (UCB, INED); **Winant, C.** (UCB); **Dukhovnov, D.** (UCB); **Boe, C.** (UCB)  
*Extending the HMD approach to regional databases - An illustration with the United States Mortality Data Base (USMDB)*
- **Barbieri, M.**(UCB, INED); **Oullette, N.**(UdeM); **Riffe, T.**(MPIDR); **Winant, C.** (UCB)  
*Regional diffusion of the cardiovascular revolution in the United States*
- **Klüsener, S.** (BiB); **Van Raalte, A.**(MPIDR); **Oksuzyan, A.**(MPIDR); **Grigoriev, P.** (MPIDR)  
*Small regional disparities in mortality with large regional disparities in economic conditions: the case of Germany*
- **Bonnet, F.** (PSE); **D`Albis, H.** (PSE)  
*Spatial Inequality in Mortality in France over the past two centuries*

14:30–14:45 COFFEE BREAK

14:45–15:45 **SESSION VI: Sex differentials** • Chair: Gabriele Doblhammer-Reiter

- **Booth, H.**(ANU); **Qi, C.**(ANU); **Canudas-Romo, V.** (ANU)  
*An extended decomposition of change in the sex-gap in life expectancy: elucidating the underlying mechanism*
- **Wang, J.**(HKU); **Cheung, KSL.**(RUC); **Robine, JM.** (INED)  
*Sex Difference of the Compression of Mortality in Mainland China--Based on the Adjusted Census Data using Brass-logit method*
- **Van Raalte, A.** (MPIDR); **Aburto, JM.**(MPIDR); **Kashyap, R.** (OX); **Zarulli, V.** (SUD)  
*Sex differences in life expectancy and lifespan dispersion: long-term patterns and emerging crossovers*

15:45– 16:00 BREAK

16:00–17:00 **SESSION VI: Modelling mortality patterns** • Chair: Jim Oeppen

- **Nemeth, L.** (MPIDR)  
*Mortality pattern at adult and older ages*
- **Reynolds, N.** (Brown)  
*Increasing mortality of white Americans, a systematic deviation from Gompertz law, and a trend break in cohort health*
- **Swanson, D.** (UCR)  
*Constructing Life Tables from the Kaiser Permanente Smoking Study and Applying the Results to Models Designed to assess the Population Health Impact of Reduced Risk Tobacco Products*

17:00–18:00 **ROUND TABLE II: Recent trends and future of longevity**

18:00 END OF THE SYMPOSIUM

## POSTER PRESENTATIONS (Monday, May 1)

Posters should be presented during the entire first day of the Symposium

- **Ainhoa Alustiza Galarza** (MPIDR)  
*Human Life-Table Database: Data Resource Profile*
- **Mark Brandenburg** (BMC)  
*Native American Mortality Time Trends in Oklahoma: An Ecological Study of the 45-54-Year-Old Age Group (1999-2016)*
- **Inna Danilova** (MPIDR), **France Meslé** (INED), **Dmitri Jdanov** (MPIDR), **Markéta Pechholdová** (University of Economics Prague), **Domantas Jasilionis** (MPIDR), **Vladimir M. Shkolnikov** (MPIDR), **Jacques Vallin** (INED)  
*The Human Cause of Death Database*
- **Eralda Gjika** (University of Tirana), **Olgerta Idrizi** (University of Albania), **Lule Basha** (University of Tirana), **Eni Dhamo** (University of Tirana)  
*Analysis of Life Expectancy and Mortality Rate in Western Balkan Region. Projections for Albania*
- **Olga Grigoriev** (MPIDR), **Rembrandt Scholz** (Berlin Institute for Social Research), **Gabriele Doblhammer** (UniRostock)  
*Mortality of people with reduced earning capacity: does it contribute to the difference between East and West Germany?*
- **Reiko Hayashi**, **Futoshi Ishii**, **Motomi Beppu**, **Yu Korekawa** (all - IPSS), **Emiko Shinohara** (University of Tokyo)  
*The trend of sudden death in Japan*
- **Yu-Chieh Hsu** (UNDP), **Heriberto Tapia** (UNDP)  
*Older people facing new inequalities: life expectancy in Chile*
- **Elena Papanova** (HSE)  
*Applying the Method of Extinct Generations for Estimating Old-Age Population and Mortality in Moscow*
- **Filipe Ribeiro** (University of Évora, Portugal)  
*Revisiting life tables construction: how different laws can influence mortality forecasts*
- **Daniel Schneider** (MPIDR)  
*Software Module(s) to Access and Work with Data from the Human Mortality Database*
- **Aleksei Shchur** (HSE)  
*Mortality differentials in Russian biggest cities and their surrounding territories*
- **David Swanson** (University of Washington and University of California Riverside, USA)  
*Estimating the underlying infant mortality rates for small populations: A case study of counties in Estonia*
- **Annelene Wengler** (RKI), **Janko Leddin** (RKI), **Alexander Rommer** (RKI), **Elena von der Lippe** (RKI)  
*Redistribution of ill-defined codes in the causes of death statistics*
- *International Database on Longevity: Data Resource Profile*

## List of institutions abbreviations

<b>ANU</b>	Australian National University ( <i>Canberra, Australia</i> )
<b>BiB</b>	Federal Institute for Population Research ( <i>Wiesbaden, Germany</i> )
<b>BMC</b>	Bristol Medical Center ( <i>UK</i> )
<b>Brown</b>	Brown University ( <i>Providence, USA</i> )
<b>CEER</b>	Centro de Estudios Económicos Regionales ( <i>Cartagena, Colombia</i> )
<b>CIDR</b>	CUNY Institute for Demographic Research ( <i>New York, USA</i> )
<b>HKU</b>	University of Hong Kong, Mindlink Research Centre ( <i>Hong Kong</i> )
<b>HSE</b>	National Research University Higher School of Economics ( <i>Moscow, Russia</i> )
<b>INED</b>	Institut National d'Études Démographiques ( <i>Paris, France</i> )
<b>IPSS</b>	National Institute of Population and Social Security Research ( <i>Japan</i> )
<b>LSHTM</b>	London School of Hygiene and Tropical Medicine ( <i>London, UK</i> )
<b>MPIDR</b>	Max Planck Institute for Demographic Research, ( <i>Rostock, Germany</i> )
<b>NYU</b>	New York University ( <i>New York, USA</i> )
<b>ÖAW</b>	Austrian Academy of Sciences ( <i>Vienna, Austria</i> )
<b>OSU</b>	The Ohio State University ( <i>Columbus, USA</i> )
<b>OX</b>	Nuffield College, University of Oxford ( <i>Oxford, UK</i> )
<b>Paris1</b>	Université Paris 1 Panthéon Sorbonne ( <i>Paris, France</i> )
<b>PennPSC</b>	Population Studies Center, University of Pennsylvania ( <i>Philadelphia, USA</i> )
<b>PRC</b>	Population Research Centre ( <i>Groningen, Netherlands</i> )
<b>PSE</b>	Paris School of Economics ( <i>Paris, France</i> )
<b>RKI</b>	Robert Koch Institute ( <i>Berlin, Germany</i> )
<b>RUC</b>	Renmin University of China ( <i>Beijing, China</i> )
<b>SDU</b>	University of Southern Denmark ( <i>Odense, Denmark</i> )
<b>TAU</b>	Tel Aviv University ( <i>Tel Aviv, Israel</i> )
<b>TLU</b>	Tallinn University ( <i>Estonia</i> )
<b>UCB</b>	University of California Berkeley ( <i>Berkeley, USA</i> )
<b>UCI</b>	University of California, Irvine ( <i>Irvine, USA</i> )
<b>UCLouvain</b>	Université Catholique de Louvain ( <i>Louvain-la-Neuve, Belgium</i> )
<b>UCR</b>	University of California Riverside ( <i>Riverside, USA</i> )
<b>UdeM</b>	Université de Montreal ( <i>Montreal, Canada</i> )
<b>UG</b>	University of Groningen ( <i>Groningen, Netherlands</i> )
<b>UH</b>	University of Helsinki ( <i>Helsinki, Finland</i> )
<b>UiT</b>	The Arctic University of Norway ( <i>Tromsø, Norway</i> )
<b>UniRostock</b>	University Rostock ( <i>Rostock, Germany</i> )
<b>UniTirana</b>	University of Tirana ( <i>Albania</i> )
<b>UNPD</b>	United Nations Population Division, United Nations ( <i>New York, USA</i> )
<b>UNDP</b>	United Nations Development Programme
<b>UT Austin</b>	University of Texas at Austin ( <i>Austin, USA</i> )
<b>VID</b>	Vienna Institute of Demography ( <i>Vienna, Austria</i> )