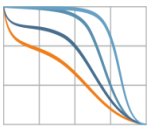
MAX-PLANCK-INSTITUT FÜR DEMOGRAFISCHE FORSCHUNG
MAX PLANCK INSTITUTE FOR DEMOGRAPHIC RESEARCH

Recent Trends and Future Uncertainties in Longevity
The 5th 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 Amerivan 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

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