Recent Trends and Future Uncertainties in Longevity
The 5th Human Mortality Database Symposium

May 13-14 2019
Harnack Haus, Berlin

Dates       May 13-14 2019
Location    Goethe Hall, Harnack Haus
            Ihnestr. 16-2, Berlin (Germany)
            https://www.harnackhaus-berlin.mpg.de/2316/en
Sponsor     Max Planck Institute for Demographic Research
            Rostock, Germany
Organizers  Dmitri Jdanov, Domantas Jasilionis,
            Vladimir Shkolnikov, Magali Barbieri
PROGRAMME

Monday, May 13

8:30–9:00 Registration

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)
   Global trends in lifespan variation

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 II • 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 •
   Moderator: Dmitri Jdanov

   Discussants:
   - James Oeppen (SDU)
   - France Meslé (INED)
   - Michel Guillot (PennPSC/INED)
   - Sebastian Klüsener (BiB)

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

19:00–20:00 Poster session
Tuesday, May 14

9:00–9:40 KEYNOTE TALK III • 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)

10:20–10:40 COFFEE BREAK

10:40–11:20 KEYNOTE TALK IV • 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 VI: 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)
- 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 VII: Sex differentials ● Chair: Gabriele Dobhammer-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. (HKU); 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. (MPI); Aburto, JM. (MPI); 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 VIII: Modelling mortality patterns ● Chair: Jim Oeppen

- Németh, L. (MPI)
  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 ● Moderator: Jacques Vallin

Discussants:
  Vladimir M. Shkolnikov (MPI/HSE)
  Jean-Marie Robine (INED)
  Heather Booth (ANU)
  Isaac Sasson (TAU)

18:00 END OF THE SYMPOSIUM
POSTER PRESENTATIONS (Monday, May 13)
Posters will 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** (VŠE), **Domantas Jasilionis** (MPIDR), **Vladimir M. Shkolnikov** (MPIDR), **Jacques Vallin** (INED)
  *The Human Cause of Death Database*

- **Eralda Gjika** (UniTirana), **Olgerta Idrizi** (UniTirana), **Lule Basha** (UniTirana), **Eni Dhamo** (UniTirana)
  *Analysis of life expectancy and mortality rate in western Balkan region. Projections for Albania*

- **Olga Grigoriev** (MPIDR)
  *International Database on Longevity: data resource profile*

- **Olga Grigoriev** (MPIDR), **Rembrandt Scholz** (BIVS), **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** (UTokio)
  *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** (UEVORA)
  *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** (CSDE, UCR)
  *Estimating the underlying infant mortality rates for small populations: A case study of counties in Estonia*

- **Annelene Wengler**, **Janko Leddin**, **Alexander Rommer**, **Elena von der Lippe** (all RKI)
  *Redistribution of ill-defined codes in the causes of death statistics*
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