Old and New Challenges to Longevity Prospects
The 6th Human Mortality Database Symposium

June 16-17 2022
INED, Paris

Dates        June 16-17, 2022
Location     Salle Sauvy, INED, 9 Cours des Humanités, 93300
             Aubervilliers, France (M° line 12, Front Populaire)
Sponsors     INED/iPOPs, CEDA/University of California, Berkeley,
             Max Planck Institute for Demographic Research
Organizers   Magali Barbieri, Dmitri Jdanov,
             Domantas Jasilionis, France Mesle
PROGRAMME

Thursday, June 16

8:30–9:00 Registration

9:00–10:20 OPENING SESSION ● Chair: Magali Barbieri (UCB and INED; co-Director of the HMD)

Magda Tomassini (Director of the INED), Mikko Myrskyla (Director of the MPIDR)

● Welcome

John Wilmoth (UN, founding director of the HMD) and Vladimir Shkolnikov (MPIDR, founding director of the HMD)

● 20 years of the HMD project

Dmitri Jdanov (MPIDR; co-Director of the HMD) and Magali Barbieri (UCB and INED; co-Director of the HMD)

● HMD plans and challenges

10:20–10:50 COFFEE BREAK

10:50–12:30 KEYNOTES ● Chair: John Wilmoth

● Vladimir Canudas Romo (ANU)
  HMD in the classroom

● France Meslé (INED) and Jacques Vallin (INED)
  The health transition theory: taking recent mortality changes into account

● Johan Mackenbach (Erasmus MC)
  Longevity and the rise and fall of disease

12:30–13:30 LUNCH BREAK

13:30–15:00 SESSION I: Frontiers of longevity / in memory of James Vaupel ● Chair: Jacques Vallin

● James Oeppen (SDU)
  Tribute to James Vaupel

● Alyson A. van Raalte (MPIDR); Ugofilippo Basellini (MPIDR, INED); Carlo Giovanni Camarda (INED);
  Marilia R. Nepomuceno (MPIDR); Mikko Myrskyla (MPIDR, UH)
  The dangers of drawing cohort profiles from period data

● Michel Poulain (UCLouvain, TLU); Anne Herm (TLU); Dany Chambre (Independent)
  No improvement in survival at extreme age: what the data reveal?

● Jean-Marie Robine (INED); Carlo-Giovanni Camarda (INED)
  Measurement and indicators of longevity in HMD

● Frans van Poppel (NIDI); Peter Ekamper (NIDI); Lenny Stoeldraijer (CBS)
  Identifying regional environmental conditions affecting longevity: Differences in the chance to become a centenarian in 19th and early 20th century Dutch birth cohorts
15:00–15:30 COFFEE BREAK + POSTER SESSION

15:30–16:40 SESSION II: Modelling and Forecasting ● Chair: Carl Boe

- Salvatory R. Kessy (UNSW, CEPAR); Michael Sherris (UNSW, CEPAR); Andrés M. Villegas (UNSW, CEPAR); Jonathan Ziveyi (UNSW, CEPAR)
  Mortality forecasting using stacked regression ensembles

- Karim Barigou (UCBL); Pierre-Olivier Goffard (UCBL); Stéphane Loisel (UCBL); Yahia Salhi (UCBL)
  Bayesian model averaging for mortality forecasting using leave-future-out validation

- Daniel Meier (SwissRe)
  Applications of neural networks in a Life & Health context

16:40–16:50 BREAK

16:50–18:00 ROUND TABLE I: Data revolution(s): challenges and opportunities ●
  Moderator: Dmitri Jdanov

18:00–19:00 RECEPTION
Friday, June 17

9:00–10:30 SESSION III: Mortality at the subnational level ● Chair: Domantas Jasilionis

● Jim Oeppen (SDU)
  A Regression Approach to Changes in Life-Table Densities of Deaths at the Sub-National Level

● Jesús-Daniel Zazueta-Borboa (NIDI); Wanda MJ Van Hemelrijck (NIDI); Pekka Martikainen (UH, MPIDR); Nicolás Zengarini (ASL TO3); Anton E Kunst (UVA); Fanny Janssen (PRC)
  The contribution of alcohol consumption to past long-term trends in socio-economic inequalities in life expectancy in selected European countries

● Steven H. Woolf (VCU)
  Understanding the decline in life expectancy in the United States and the persistence of racial-ethnic inequities: an examination of root causes

● Fabrice Murtin (OECD)
  Educational Inequalities in Longevity in OECD Countries Around 2016

10:30–11:00 COFFEE BREAK

11:10–12:30 SESSION IV: Past and recent mortality: challenges in data ● Chair: Vladimir Shkolnikov

● Ryan K. Masters (CU Boulder); Steven H. Woolf (VCU)
  Life Expectancy Declines during the COVID-19 Pandemic and the Worsening US Health Disadvantage: Insights using the US Mortality Database and the Human Mortality Database

● Nicholas Reynolds (UOE); Jeffrey Lin (FRB Philadelphia); Bryan Stuart (FRB Philadelphia)
  Worsening Health for Americans Born Since 1947 and the US Life Expectancy Disadvantage

● Julio Romero Prieto (LSHTM); Andrea Verhulst (PennPSC); Michel Guillot (INED)
  Assessing the omission of early deaths in historical vital registration data

● Alexandre Boumezoued (Milliman R&D); Amal Elfassihi (Milliman R&D)
  Mortality data correction in the absence of monthly fertility records

12:30 – 13:30 LUNCH BREAK

13:30–14:15 SESSION V: Global views ● Chair: Dmitri Jdanov

● David Leon (LSHTM, UiT)
  Climate change, health and longevity

● Vladimir Shkolnikov (MPIDR)
  Studying human longevity with the HMD

14:15–14:30 BREAK
14:30–16:00 SESSION VI: Modelling mortality patterns • Chair: Laszlo Nemeth

- **Jiaxin Shi** (MPI, OX)
  *Decomposing the variance of lifespans: A distributional approach*

- **Isaac Sasson** (TAU); **Iñaki Permanyer** (CED)
  *Formalizing Shifting Mortality Inequalities: A Multivariate Approach*

- **Tim Riffe** (Ikerbasque, UPV/EDU, MPI)
  *Inferring a mortality gradient from compositional change*

- **Ariel Karlinsky** (HUJI); **Dmitry Kobak** (TU)
  *Tracking excess mortality across countries during the COVID-19 pandemic with the World Mortality Dataset*

16:00–16:30 COFFEE BREAK

16:30–17:30 ROUND TABLE II: Recent mortality trends and longevity perspectives •

  *Moderator: Magali Barbieri*

17:30 END OF THE SYMPOSIUM
POSTER PRESENTATIONS (Thursday, June 16)
Posters will be presented during the entire Symposium. All authors are asked to be around their posters on Thursday from 3:00 pm to 3:30 pm.

- Arianna Caporali (INED); Étienne Couppié (INED); Iris Hourani (INED); Svitlana Poniatkina (INED)
  INED’s Mortality and Health Databases: Valuable Sources for Comparative Research

- László Németh (MPIDR)
  HMD scripts

- Saddaf Naaz Akhtar (CSRD); Jon Anson (BGU)
  Does greater longevity come with lower life disparity in India? A comparative study between Kerala and Delhi

- Filipe Ribeiro (UEVORA)
  Dynamic laws of adult mortality

- Antonino Polizzi (OX); Andrea M. Tilstra (OX)
  Implications of rising female reproductive-age mortality for fertility in the United States, 2010–2019

- Markéta Majerová (VŠE); Radim Krupička (CTU)
  Modelling Covid-19 spread in Czechia: comparison of agent-based simulation and observed excess deaths

- Magdalena Muszyńska-Spielauer (ÖAW); Tim Riffe (Ikerbasque, UPV/EDU, MPIDR)
  Life expectancy at current rates and current population composition

- Rebecca Mancy (Glas.); Max Schroeder (Glas.); Spyridon Lazarakis (LUMS); Konstantinos Angelopoulos (Glas.)
  How have pandemics ended? Two decades of recurrent outbreak risk following the main waves

- Munir Hiabu (KU); Andrés M. Villegas (CEPAR, UNSW)
  Estimating and modelling mortality rates in the absence of population denominators

- Liliana Patricia Calderón Bernal (MPIDR, SU)

- Daumantas Stumbrys (VU); Domantas Jasilionis (MPIDR, VMU); Dainius Pūras (VU)
  The burden of mental health-related mortality in the Baltic States in 2007-2018

- Tianyu Shen (ANU); Vladimir Canudas-Romo (ANU)
  The contribution of subnational changes in the national population growth

- Iñaki Permanyer (CED); Serena Vigezzi (SDU)
  Cause-of-death drivers of lifespan inequality dynamics

- Surender Prasad Pandey (UOM)
  Assessment of death registration completeness and estimation of the level and differentials of national and subnational life expectancy in Nepal

- Mary Abed Al Ahad (UOSA); Urška Demšar (UOSA); Frank Sullivan (UOSA); Hill Kulu (UOSA)
  The association between long-term 16-years exposure to air pollution and mortality: The case of Scotland (2002-2017)

- Andrew Scott (LBS, CEPR); Julian Ashwin (LBS)
  Estimating Mortality Curves and Implications for Future Life Expectancy with a Dynamic State Space Model

- Lisa Koerber (MPIDR); Ainhoa Alustiza Galarza (MPIDR)
  Short Term Mortality Fluctuations data series at the Human Mortality Database

- Marina Kolobova (MPIDR)
  Variation in burden of COVID-19 pandemic across the federal states in Germany: the role of reported morbidity and selected structural factors
Christos H. Skiadas (TUC) - virtually
Kane Tanaka’s 119 birthday and the Supercentenarians’ age estimation. Further remarks on the oldest old record of 122 years by Jeanne Calment

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List of institutions abbreviations

ANU Australian National University (Canberra, Australia)
ASL TO3 Azienda Sanitaria Locale Torino 3 (Italy)
BGU Ben-Gurion University of the Negev (Beersheba, Israel)
BiB Federal Institute for Population Research (Wiesbaden, Germany)
BIVS Berlin Institute for Comparative Social Research (Germany)
BMC Bristol Medical Center (UK)
Brown Brown University (Providence, USA)
CBS Statistics Netherlands (Netherlands)
CED Centre for Demographic Studies, Autonomous University of Barcelona (Barcelona, Spain)
CEER Centro de Estudios Económicos Regionales (Cartagena, Colombia)
CEPAR ARC Centre of Excellence in Population Ageing Research, University of New South Wales (Sydney, Australia)
CEPR Centre for Economic Policy Research (London, UK)
CIDR CUNY Institute for Demographic Research (New York, USA)
CSDE Center for Studies in Demography & Ecology, University of Washington (Washington, USA)
CSRD Centre for the Study of Regional Development, Jawaharlal Nehru University (New Delhi, India)
CTU Czech Technical University (Prague, Czechia)
CU Boulder University of Colorado Boulder (Boulder, USA)
FRB Federal Reserve Bank of Philadelphia (Philadelphia, USA)
Philadelphia
Glas. University of Glasgow (Glasgow, UK)
HKU University of Hong Kong, Mindlink Research Centre (Hong Kong)
HSE National Research University Higher School of Economics (Moscow, Russia)
HUJI Hebrew University of Jerusalem (Jerusalem, Israel)
Ikerbasque Basque Foundation for Science (Bilbao, Spain)
INED Institut National d’Études Démographiques (Paris, France)
IPSS National Institute of Population and Social Security Research (Japan)
KU University of Copenhagen (Copenhagen, Denmark)
LBS London Business School (London, UK)
LSHTM London School of Hygiene and Tropical Medicine (London, UK)
LUMS Lancaster University Management School (Lancaster, UK)
MPIIDR Max Planck Institute for Demographic Research, (Rostock, Germany)
NIDI  Netherlands Interdisciplinary Demographic Institute (*Den Haag, Netherlands*)
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*)
SU  Stockholm University (*Stockholm, Sweden*)
TAU  Tel Aviv University (*Tel Aviv, Israel*)
TLU  Tallinn University (*Tallinn, Estonia*)
TU  University of Tübingen (*Tübingen, Germany*)
TUC  Technical University of Crete (*Chania, Greece*)
UCB  University of California Berkeley (*Berkeley, USA*)
UCBL  Université Claude-Bernard Lyon 1 (*Lyon, France*)
UCI  University of California, Irvine (*Irvine, USA*)
UClouvaïn Université Catholique de Louvain (*Louvain-la-Neuve, Belgium*)
UCR  University of California Riverside (*Riverside, USA*)
UdeM  Université de Montréal (*Montreal, Canada*)
UEVORA University of Évora (*Évora, Portugal*)
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 (*Tirana, Albania*)
UNPD  United Nations Population Division, United Nations (*New York, USA*)
UNDP  United Nations Development Programme
UOE  University of Essex (*Colchester, UK*)
UOM  University of Melbourne (*Melbourne, Australia*)
UOSA  University of St. Andrews (*Scotland, UK*)
UPV/EHU University of the Basque Country (*Biscay, Spain*)
UNSW  University of New South Wales (*Sydney, Australia*)
UT Austin University of Texas at Austin (*Austin, USA*)
UTokio University of Tokyo (*Tokyo, Japan*)
UVA  University of Amsterdam (*Amsterdam, Netherlands*)
VCU  Virginia Commonwealth University (*Richmond, USA*)
VID  Vienna Institute of Demography (*Vienna, Austria*)
VŠE University of Economics Prague (*Prague, Czech Republic*)
VU  Vilnius University (*Vilnius, Lithuania*)
VMU Vytautas Magnus University (*Kaunas, Lithuania*)