

Geneva Discussion Forum Mortality

21 September 2012

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Moving the Profession Forward Internationally

IAA Mortality

- * Website as a resource
- * Analysing developing countries mortality experience
- * Mortality of disabled people
- * Healthy longevity
- * CHD Mortality improvement by deprivation quintile
- * What's going on in the countries we cover
- * Areas of common interest?



IAA Mortality: website as a resource

- * www.actuaries.org/mortality
- * Object: extend the body of knowledge of the international actuarial community in respect of mortality:
- * And as a resource for others
- * *Member log-in gives enhanced content*





SECTIONS

AFIR/ERM
Financial Risks and ERM

ASTIN
Non-Life Insurance

AWB
Actuaries Without Borders®

IAAHS
Health

IAALS
Life Insurance

IACA
Consulting

PBSS
Pensions, Benefits and Social Security

ACTUARIAL EDUCATORS
NETWORK

ENTERPRISE RISK
MANAGEMENT (ERM)

STANDARD-SETTERS
ROUND TABLE

2014 INTERNATIONAL
CONGRESS OF ACTUARIES

COMMITTEES

Mortality | Members | Documents | Events | Information Base | Country Reports | Terms of Reference

Mortality (Working Group)

Information Base

Insights about the level of mortality rates around the world, and the trends of future rates of mortality, have never been more important. While mortality rates are declining in most countries, in other countries they are stable and in some instances are even increasing. Rates of mortality affect many aspects of society.

The following pages provide information about areas of investigation by the Working Group.

Areas of investigation

- [Overview](#)
- [Sources of mortality data worldwide](#)
- [Society of Actuaries' International Mortality Experience Study](#)
- [Mortality trends and uncertainty](#)
- [Pandemics](#)
- [Social and demographic stratification](#)
- [Mortality by cause of death](#)
- [Projection techniques](#)
- [Mortality of disabled people](#)
- [Mortality-related financial products](#)
- [Underwriting](#)
- [Mortality assumptions used in pensions and annuity reserving](#)
- [Health longevity](#)
- [Other sources of information](#)

Contact us

The members of the IAA Mortality Working Group are listed on the IAA web site www.actuaries.org/Mortality. Please feel free to contact any member of the Working Group with any requests for information by emailing: iaamwg@actuaries.org

We would be particularly interested in receiving advice of any papers, research or studies that you consider worthy of inclusion in our Information Base.

IAA Mortality Working Group: Areas of Interest 1

- * Overview
- * Sources of mortality data worldwide
- * *Society of Actuaries' International Mortality Experience Study*
- * Mortality trends and uncertainty
- * Pandemics
- * *Social and demographic stratification*
- * Mortality by cause of death
- * Projection techniques



IAA Mortality Working Group: Areas of Interest 2

- * Mortality of disabled people
- * Mortality-related financial products
- * Underwriting
- * Mortality assumptions used in pensions and annuity reserving
- * *Healthy longevity*
- * Other sources of information



Analysing developing countries experience

Society of Actuaries' International Mortality Experience Study



IAA MWG: Society of Actuaries' International Mortality Experience Study

- * Assists developing countries to produce credible actuarial experience
- * Mortality and persistency in life insurance experience
- * Also applicable to Social Security mortality studies
- * No charge provided permission for combined results to be published

*Argentina, Brazil, Poland, South Korea, Taiwan, Vietnam, Estonia,
Philippines, Caribbean,
Columbia, Croatia to come*



Mortality: Specific Subjects

- * Mortality of disabled people: Ermanno Pitacco
- * Healthy longevity: Bridget Browne
- * CHD Mortality improvement by deprivation quintile: Joseph Lu et al



CHD Mortality improvement by deprivation quintile: Joseph Lu et al

- * CHD is leading cause of death in UK
- * Mortality rates higher for most deprived
- * Rate of fall accelerating
- * Rate of fall larger for least deprived
- * Causes? Lifestyle or healthcare?
- * 1980 – 2000 Lifestyle was largest factor
- * 2000 – 2007 Healthcare largest



Country Reports

COMMITTEES

Mortality | Members | Meeting Documents | Documents | Events | Information Base | Country Reports

Terms of Reference

Mortality (Working Group)

Country Reports

These reports may be submitted by member of the IAA Mortality Working Group, but also by others. Further reports will be provided when there have been developments worth reporting.

Country	Author	Date
Australia	Bridget Browne	May 2012
Belgium	Benoit-Laurent Yerna	May 2012
Brazil	Ricardo Frischtak	July 2012
Canada	Marco Tardiff	May 2012
China	Zhaolan Zhan	May 2012
Chinese Taipei	Peter Ying	May 2012
Denmark	Chresten Dengsøe	May 2012
Finland	Mika Mäkinen	May 2012
France	Thierry Polncellin	May 2012
Germany	Lars Pralle	May 2012
Ireland	John Armstrong	May 2012
Israel	Dov Raphael	August 2012
Italy	Ermanno Pitacco	May 2012
Japan	Taisuke Nishimura	May 2012
Netherlands	Henk Van Broekhoven	May 2012
Russia	Kaenla Novikova	May 2012
Slovenia	Danko Medved	May 2012
South Africa	Paul Lewis	May 2012
Spain	Luis Maria Sáez de Jáuregui Sanz	May 2012
Sweden	Erik Alm	May 2012
Switzerland	Michael Eves	May 2012
United Kingdom	Brian Ridsdale	May 2012
United States	Bill Horbatt	May 2012



Country Reports

- * Updates on what's happening in actuarial work on mortality in:
- * Australia, Belgium, Brazil, Canada, China, Chinese, Taipei, Denmark, Finland, France, Germany, Ireland, Israel, Italy, Japan, Netherlands, Russia, Slovenia, South Africa, Spain, Sweden, Switzerland, United Kingdom, United States



Areas of common interest?

- * Support for experience analyses in developing countries?
- * Methodologies and models?
- * International comparisons?
- * Education and information?
- * Common database of knowledge?
- * Financial/social aspects of mortality developments?



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