

ABOUT MORTALITY DATA FOR IRELAND

By Domantas Jasilionis

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We are still working on the *Background and Documentation* file for Ireland. For a description of the original data used to estimate the mortality surface for Ireland, see Appendix 1.

Due to limited availability of data on population counts and deaths and serious quality issues related to the data before 1950, the current series for Ireland start in 1950.

DATA QUALITY ISSUES

There is a strong evidence of age heaping problems in both deaths and census counts for the period 1950-1985 (Appendix 2). For this period, we would advise using the life tables by 5-year (or 10-year) age groups, which smooth out the age heaping, rather than using the life tables by single year of age.

Official data on the total number of births and deaths for 2017 and population estimates for 2017-2018 are provisional. Because births are not available by month from the Irish Central Statistics Office (CSO) for the years 2012 onwards, we use the data available from EUROSTAT for these years. However, when aggregated to the total number of births by year, the two sources of data are discrepant (presumably because EUROSTAT data have not been updated). Consequently, we use the count from the CSO and the proportionate distribution by month from EUROSTAT.

REVISION HISTORY

Changes with the June 2019 revision:

- **Life tables:** All life tables have been recalculated using a modified methods protocol. The revised protocol (Version 6) includes two changes: 1) a more precise way to calculate a_0 , the mean age at death for children dying during the first year of life and 2) the use of birth-by-month data (where and when available) to more accurately estimate population exposures. These changes have been implemented simultaneously for ALL HMD series/countries. For more details about these changes, see the revised Methods Protocol (at <http://www.mortality.org/Public/Docs/MethodsProtocol.pdf>), particularly section 7.1 on Period life tables and section 6 and Appendix E, on death rates. The life tables calculated under the prior methods (Version 5) remain available at v5.mortality.org but they have not been, and will not be, updated.

Changes with the September 2019 revision:

Population: New inter-censal population estimates for 2012-2015, final post-censal population estimates for 2016, and provisional post-censal population estimates for 2017-2018 have been added to the series.

Deaths: Final death counts for 2005 and 2013-2016 and provisional death counts for 2017 have been added to the series.

Live births: Annual final live births by sex have been extended to the year 2016. Provisional live birth counts by sex have been added to the series.

Monthly live births: The total numbers of live births by month for 2014-2017 has been added to the input database.

APPENDIX 1: DESCRIPTION OF DATA USED FOR LEXIS DATABASE

DEATHS

Period	Type of Data	Age grouping	Comments	RefCode(s)
1950-1959, 1960-1963	Annual number of deaths by sex and single year of age (Lexis square)	0, 1, ..., 99, 100+, unknown		7, 8
1964-2004	Annual number of deaths by sex and single year of age (Lexis square)	0, 1, ..., up the highest attained age		8, 9, 10, 11, 12, 14
2005	Annual number of deaths by sex and single year of age (Lexis square)	0, 1, ..., 99, 100+, unknown		24
2006-2011	Annual number of deaths by sex and single year of age (Lexis square)	0, 1, ..., up the highest attained age		13, 16
2012-2016	Annual number of deaths by sex and single year of age (Lexis square)	0, 1, ..., 99, 105+, unknown		16, 25
2017	Annual number of deaths by sex and single year of age (Lexis square)	0, 1, ..., 99, 105+, unknown	Provisional data	26

POPULATION

Period	Type of Data	Age grouping	Comments	RefCode(s)
1951, 1961, 1966, 1971, 1979, 1981, 1986	Census counts by sex and single year of age. Census dates: April 08, 1951 April 09, 1961 April 17, 1966 April 18, 1971 April 01, 1979 April 05, 1981 April 13, 1986	0, 1, ..., 99, 100+, unknown		1
1987-1995	Annual January 1 st population estimates by sex and single year of age	0, 1, ..., 98, 99+, unknown		20
1996-2011	Annual April 15th population estimates by sex and single year of age	0, 1, ..., 98, 99+, unknown	Inter-censal population estimates	4, 15

POPULATION (CONTINUED)

Period	Type of Data	Age grouping	Comments	RefCode(s)
2012-2016	Annual April 15th population estimates by sex and single year of age	0, 1, ..., 98, 99+, unknown	Inter-censal population estimates	23, 30
2017-2018	Annual April 15th population estimates by sex and single year of age	0, 1, ..., 98, 99+, unknown	Post-censal population estimates. Provisional data.	31

BIRTHS BY SEX

Period	Type of Data	Comments	RefCode(s)
1950-2011	Annual counts of births by sex		6
2012-2016	Annual counts of births by sex		21
2017	Annual counts of births by sex	Provisional data.	28

BIRTHS BY MONTH

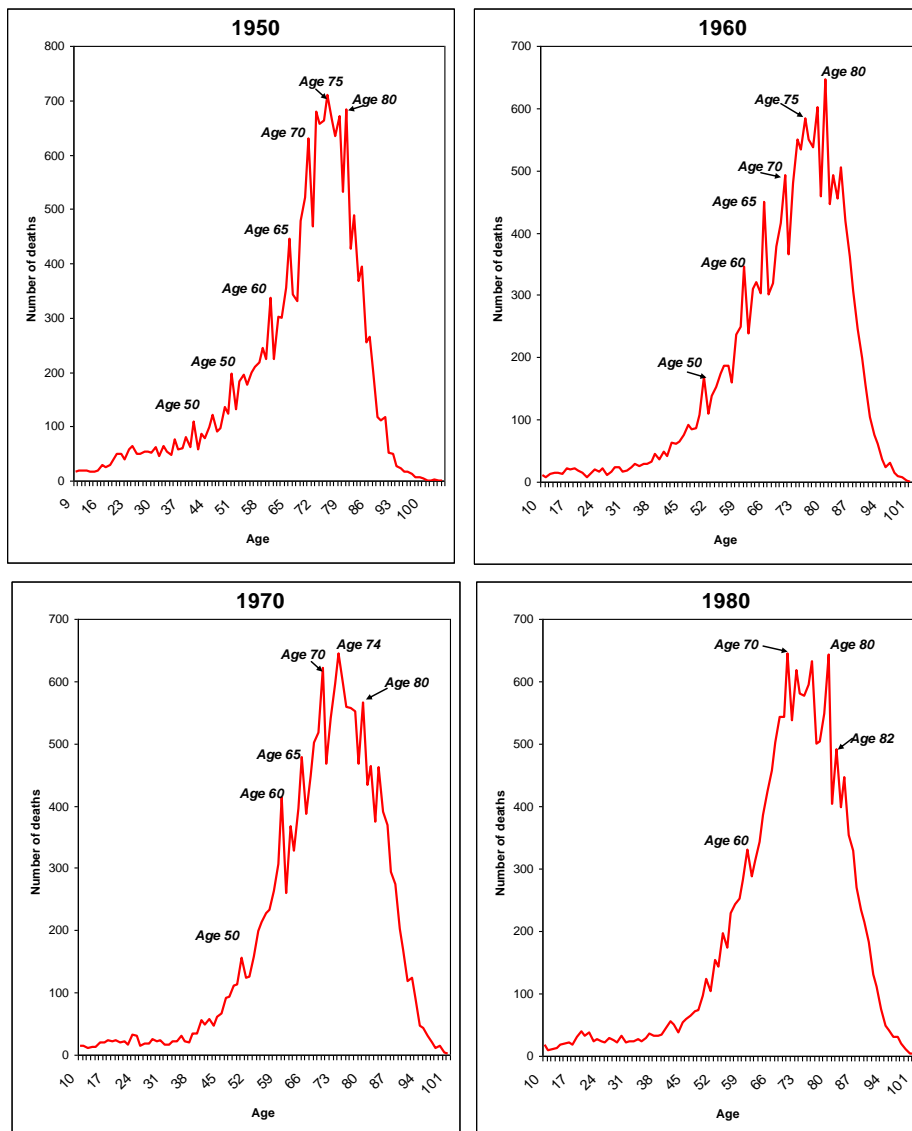
Type of data: Annual live birth counts by month.

Period covered: 1978-2017.

RefCode(s): 18, 19, 22, 29.

APPENDIX 2:

Figure 1. Raw death counts for males in 1950, 1960, 1970, and 1980



APPENDIX 2 (continued):

Figure 2. Raw census counts for females in 1951, 1961, 1971, 1981, and 1986

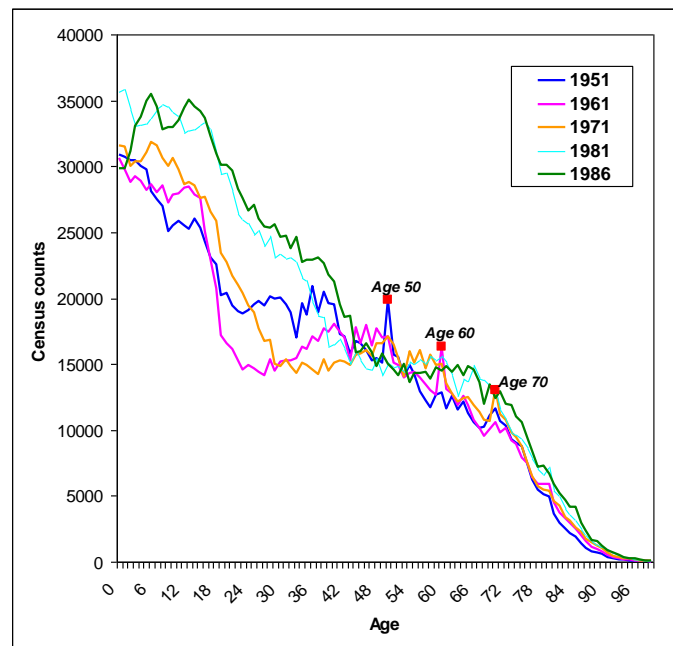
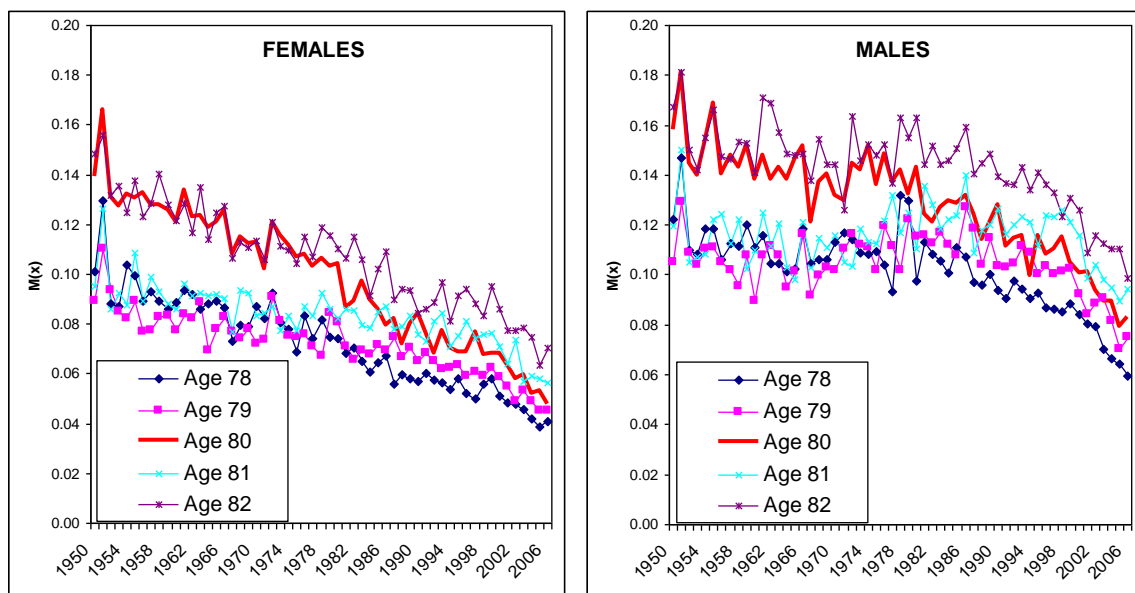


Figure 3. Mortality rates for age 78, 79, 80, 81, and 82. Irish females and males, 1950-2006.



APPENDIX 2 (continued):

Figure 3 (continued). Mortality rates for selected ages. Ireland, females and males, 1950-2006.

