95% CI’s for Gamma (age at which mortality hazard first reaches 2/3)
 and M (maximum age at death)

|  | Male | Female |
| --- | --- | --- |
|  | Gamma | M | Gamma | M |
| Cohort | Lower 95% CI | Upper 95% CI | Lower 95% CI | Upper 95% CI | Lower 95% CI | Upper 95% CI | Lower 95% CI | Upper 95% CI |
| 1890 | 105.5 | 106.3 | 110.5 | 118.0 | 107.6 | 109.5 | 114.1 | 121.7 |
| 1900 | 105.3 | 106.1 | 110.7 | 118.1 | 107.3 | 108.9 | 114.5 | 122.1 |
| 1910 | 105.5 | 106.3 | 111.4 | 119.0 | 106.7 | 108.3 | 114.8 | 122.4 |
| 1920 | 107.2 | 108.0 | 113.5 | 121.0 | 107.5 | 109.1 | 116.0 | 123.5 |
| 1930 | 111.7 | 112.8 | 117.5 | 125.0 | 109.5 | 111.3 | 117.8 | 125.4 |
| 1940 | 114.4 | 115.7 | 120.3 | 127.9 | 110.3 | 112.1 | 118.8 | 126.5 |
| 1950 | 115.0 | 117.0 | 122.0 | 129.6 | 109.7 | 111.9 | 119.5 | 127.2 |
| 1960 | 109.4 | 114.0 | 118.5 | 126.9 | 110.3 | 114.2 | 120.4 | 128.5 |
| 1970 | 105.6 | 115.9 | 115.9 | 127.1 | 110.4 | 116.5 | 120.8 | 129.9 |

95% CI’s for the change in remaining life expectancy at age 50
relative to cohort born 10 years earlier (years)

|  | Due to postponement | Due to compression |
| --- | --- | --- |
|  | Male | Female | Male | Female |
| Cohort | Lower 95% CI | Median | Upper 95% CI | Lower 95% CI | Median | Upper 95% CI | Lower 95% CI | Median | Upper 95% CI | Lower 95% CI | Median | Upper 95% CI |
| 1890 | -0.1 | 0.0 | 0.1 | -0.1 | 0.0 | 0.2 | 0.1 | 0.4 | 0.6 | 1.0 | 1.2 | 1.4 |
| 1900 | -0.1 | -0.0 | 0.0 | -0.2 | -0.1 | -0.1 | 0.3 | 0.5 | 0.7 | 1.2 | 1.4 | 1.6 |
| 1910 | -0.0 | 0.1 | 0.1 | -0.3 | -0.2 | -0.1 | 0.6 | 0.8 | 1.0 | 1.2 | 1.4 | 1.6 |
| 1920 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.4 | 1.1 | 1.2 | 1.4 | 0.5 | 0.6 | 0.8 |
| 1930 | 1.1 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 | 0.9 | 1.0 | 1.2 | 0.4 | 0.6 | 0.8 |
| 1940 | 0.6 | 0.8 | 1.0 | 0.1 | 0.3 | 0.5 | 1.3 | 1.5 | 1.7 | 0.8 | 0.9 | 1.1 |
| 1950 | -0.0 | 0.3 | 0.6 | -0.5 | -0.2 | 0.2 | 0.7 | 0.9 | 1.1 | 0.9 | 1.1 | 1.2 |
| 1960 | -2.1 | -1.3 | -0.6 | -0.1 | 0.5 | 1.2 | 0.1 | 0.3 | 0.6 | -0.5 | -0.3 | -0.1 |
| 1970 | -1.6 | -0.4 | 0.9 | -0.4 | 0.5 | 1.3 | 0.2 | 0.5 | 0.8 | 0.3 | 0.6 | 0.9 |

Note: The greyed-out values refer to results of our model that depend heavily on the modelling assumptions we use (the Bayesian prior) rather than the actual data. Results before this point appear to be robust to the choice of prior.



Longest-lived person in each cohort

| Sex | Age | Cohort | Alive | Name | Birth date | Death date | Source |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Female | 110 | 1842 | N | Velgjer Svien | 1842-10-10 | 2053-01-23 | GRG |
| Female | 112 | 1880 | N | Antoinette Huber | 1880-01-22 | 1992-03-01 | GRG |
| Female | 112 | 1886 | N | Julia Nutwell | 1886-07-30 | 1998-09-25 | GRG |
| Female | 111 | 1887 | N | Bina Harbaugh | 1887-12-01 | 1999-09-01 | GRG |
| Female | 113 | 1888 | N | Cora Wisner | 1888-01-10 | 2001-06-06 | GRG |
| Female | 111 | 1890 | N | Theresa Bernstein-Meyerowitz | 1890-03-01 | 2002-02-13 | GRG |
| Female | 115 | 1893 | N | Edna Parker | 1893-04-20 | 2008-11-26 | GRG |
| Female | 115 | 1894 | N | Gertrude Baines | 1894-04-06 | 2009-09-11 | GRG |
| Female | 114 | 1895 | N | Mary Josephine Ray | 1895-05-17 | 2010-03-07 | GRG |
| Female | 114 | 1895 | N | Olivia Patricia Thomas | 1895-06-29 | 2009-11-16 | GRG |
| Female | 114 | 1895 | N | Maggie Renfro | 1895-11-14 | 2010-01-22 | GRG |
| Female | 114 | 1895 | N | Neva Morris | 1895-08-03 | 2010-04-06 | GRG |
| Female | 116 | 1896 | N | Besse Cooper | 1896-08-26 | 2012-12-04 | GRG |
| Female | 115 | 1897 | N | Dina Manfredini | 1897-04-04 | 2012-12-17 | GRG |
| Female | 116 | 1898 | N | Gertrude Weaver | 1898-07-04 | 2015-04-06 | GRG |
| Female | 116 | 1899 | N | Jeralean Talley | 1899-05-23 | 2015-06-17 | GRG |
| Female | 116 | 1899 | N | Susannah Mushatt Jones | 1899-07-06 | 2016-05-12 | GRG |
| Female | 115 | 1900 | N | Antonia Gerena Rivera | 1900-05-19 | 2015-06-02 | GRG |
| Female | 114 | 1901 | N | Dominga Velasco | 1901-05-12 | 2015-10-11 | GRG |
| Female | 114 | 1901 | N | Emma Otis | 1901-10-22 | 2015-10-25 | GRG |
| Female | 113 | 1902 | N | Bertha Harris | 1902-01-03 | 2015-03-03 | GRG |
| Female | 113 | 1902 | N | Kathleen Snavely | 1902-02-16 | 2015-07-06 | GRG |
| Female | 113 | 1902 | N | Helen Wheat | 1902-09-16 | 2016-02-16 | GRG |
| Female | 113 | 1902 | N | Goldie Michelson | 1902-08-08 | 2016-07-08 | GRG |
| Female | 114 | 1903 | N | Ila Jones | 1903-08-21 | 2017-11-10 | GRG |
| Female | 114 | 1903 | N | Delphine Gibson | 1903-08-17 | 2018-05-09 | GRG |
| Female | 114 | 1904 | N | Lessie Brown | 1904-09-22 | 2019-01-08 | GRG |
| Female | 115 | 1905 | N | Iris Westman | 1905-08-28 | 2021-01-03 | GRG |
| Female | 115 | 1905 | N | Hester Ford | 1905-08-15 | 2021-04-17 | GRG |
| Female | 114 | 1906 | N | Minnie Whicker | 1906-07-24 | 2020-10-22 | GRG |
| Female | 114 | 1906 | N | Lucy Mirigian | 1906-08-15 | 2021-02-12 | GRG |
| Female | 114 | 1906 | Y | *data withheld by IDL* | IDL |
| Female | 114 | 1907 | N | Ellen Goodwill | 1907-02-02 | 2021-03-02 | GRG |
| Female | 114 | 1907 | N | Irene Dunham | 1907-12-16 | 2022-05-01 | GRG |
| Female | 114 | 1907 | N | Mila Mangold | 1907-11-14 | 2022-07-02 | GRG |
| Female | 114 | 1907 | Y | *data withheld by IDL* | IDL |
| Female | 112 | 1908 | N | Edna Runyon | 1908-01-25 | 2020-04-06 | GRG |
| Female | 112 | 1908 | N | Stella Lennox | 1908-01-31 | 2020-12-06 | GRG |
| Male | 110 | 1851 | N | Sylvester Melvin | 1851-11-29 | 2062-03-12 | GRG |
| Male | 114 | 1896 | N | Walter Breuning | 1896-09-21 | 2011-04-14 | GRG |
| Male | 110 | 1897 | N | Harvey Hite | 1897-11-15 | 2008-02-16 | GRG |
| Male | 111 | 1898 | N | Garland Adair | 1898-07-30 | 2009-12-11 | GRG |
| Male | 110 | 1899 | N | Hilliard Hudson | 1899-02-23 | 2009-11-06 | GRG |
| Male | 111 | 1903 | N | Dr. Alexander Imich | 1903-02-04 | 2014-06-08 | GRG |
| Male | 112 | 1906 | N | Richard Overton | 1906-05-11 | 2018-12-27 | GRG |
| Male | 112 | 1907 | N | CP Crawford | 1907-08-25 | 2019-11-23 | GRG |