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 |
| 1830 | 97.0 | 98.0 | 101.5 | 109.0 | 97.6 | 98.6 | 102.2 | 109.8 |
| 1840 | 96.8 | 97.9 | 101.6 | 109.1 | 97.8 | 98.9 | 102.7 | 110.2 |
| 1850 | 96.9 | 97.9 | 101.9 | 109.4 | 97.9 | 99.1 | 103.3 | 110.8 |
| 1860 | 97.9 | 98.8 | 102.9 | 110.4 | 99.3 | 100.5 | 104.5 | 112.0 |
| 1870 | 99.4 | 100.4 | 104.1 | 111.6 | 100.5 | 101.7 | 105.7 | 113.2 |
| 1880 | 100.6 | 101.7 | 105.6 | 113.1 | 101.6 | 102.8 | 107.1 | 114.7 |
| 1890 | 101.7 | 102.7 | 106.5 | 114.0 | 102.7 | 103.9 | 108.8 | 116.3 |
| 1900 | 102.1 | 103.2 | 107.2 | 114.7 | 103.6 | 104.8 | 110.2 | 117.7 |
| 1910 | 103.7 | 104.8 | 109.1 | 116.6 | 105.2 | 106.5 | 112.3 | 119.8 |
| 1920 | 105.5 | 106.8 | 110.3 | 117.9 | 106.8 | 108.2 | 113.5 | 121.2 |
| 1930 | 111.0 | 112.8 | 115.7 | 123.3 | 112.1 | 114.0 | 119.0 | 126.6 |
| 1940 | 114.3 | 116.6 | 119.6 | 127.3 | 118.0 | 120.6 | 124.5 | 132.3 |
| 1950 | 111.9 | 115.1 | 118.5 | 126.5 | 117.2 | 120.7 | 124.4 | 132.4 |
| 1960 | 109.4 | 113.9 | 117.3 | 125.6 | 116.4 | 120.8 | 124.2 | 132.6 |
| 1970 | 108.8 | 113.9 | 117.4 | 125.9 | 115.9 | 121.6 | 124.5 | 133.4 |

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 |
| 1830 | -0.8 | -0.5 | -0.3 | -0.9 | -0.6 | -0.4 | 2.0 | 2.4 | 2.7 | 2.5 | 2.9 | 3.4 |
| 1840 | -0.2 | -0.0 | 0.1 | -0.1 | 0.1 | 0.2 | 0.1 | 0.3 | 0.6 | 0.1 | 0.4 | 0.7 |
| 1850 | -0.1 | 0.0 | 0.2 | -0.1 | 0.1 | 0.2 | 0.3 | 0.6 | 0.9 | 0.5 | 0.8 | 1.1 |
| 1860 | 0.1 | 0.3 | 0.4 | 0.2 | 0.4 | 0.5 | 0.0 | 0.3 | 0.6 | 0.1 | 0.4 | 0.7 |
| 1870 | 0.2 | 0.4 | 0.5 | 0.2 | 0.4 | 0.5 | -0.1 | 0.2 | 0.5 | 0.2 | 0.5 | 0.9 |
| 1880 | 0.2 | 0.4 | 0.5 | 0.1 | 0.3 | 0.5 | 0.4 | 0.6 | 0.9 | 0.6 | 0.9 | 1.2 |
| 1890 | 0.1 | 0.3 | 0.4 | 0.2 | 0.4 | 0.5 | -0.2 | 0.1 | 0.4 | 1.0 | 1.2 | 1.6 |
| 1900 | -0.0 | 0.1 | 0.3 | 0.1 | 0.3 | 0.5 | -0.0 | 0.3 | 0.6 | 1.4 | 1.6 | 2.0 |
| 1910 | 0.3 | 0.4 | 0.6 | 0.4 | 0.6 | 0.9 | 0.3 | 0.5 | 0.8 | 0.7 | 1.0 | 1.3 |
| 1920 | 0.3 | 0.6 | 0.7 | 0.4 | 0.6 | 0.9 | 0.3 | 0.6 | 0.9 | 0.7 | 1.0 | 1.3 |
| 1930 | 1.4 | 1.7 | 2.0 | 1.9 | 2.2 | 2.6 | 0.5 | 0.9 | 1.2 | 0.7 | 1.0 | 1.3 |
| 1940 | 0.7 | 1.2 | 1.6 | 1.9 | 2.5 | 3.1 | 2.1 | 2.5 | 2.9 | 0.7 | 1.1 | 1.5 |
| 1950 | -1.4 | -0.8 | -0.1 | -0.9 | -0.1 | 0.6 | 1.7 | 2.0 | 2.4 | 0.7 | 1.0 | 1.4 |
| 1960 | -1.4 | -0.8 | 0.0 | -1.0 | -0.1 | 0.7 | 1.1 | 1.5 | 1.8 | 0.5 | 0.8 | 1.2 |
| 1970 | -0.8 | -0.2 | 0.6 | -0.8 | -0.0 | 0.9 | 0.4 | 0.9 | 1.4 | 0.3 | 0.9 | 1.7 |

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 | 1860 | N | Vincenza Pannuti-Camera | 1860-09-16 | 1971-06-23 | GRG |
| Female | 110 | 1896 | N | *data withheld by IDL* | IDL |
| Female | 114 | 1896 | N | Venere Pizzinato-Papo | 1896-11-23 | 2011-08-02 | GRG |
| Female | 111 | 1897 | N | Maria-Elisa Moro-Lucchini | 1897-02-11 | 2008-11-02 | GRG |
| Female | 113 | 1898 | N | Stella Nardari-Vecchiato | 1898-12-23 | 2012-02-23 | GRG |
| Female | 117 | 1899 | N | Emma Morano-Martinuzzi | 1899-11-29 | 2017-04-15 | GRG |
| Female | 112 | 1901 | N | Rosa Bandini-Alberghi | 1901-09-11 | 2014-06-12 | GRG |
| Female | 116 | 1902 | N | Giuseppina Projetto-Frau | 1902-05-30 | 2018-07-06 | GRG |
| Female | 116 | 1903 | N | Maria-Giuseppa Robucci-Nargiso | 1903-03-20 | 2019-06-18 | GRG |
| Female | 111 | 1904 | N | Maria Crescini-Carrara | 1904-01-20 | 2015-12-17 | GRG |
| Female | 111 | 1904 | N | Filomena Marongiu-Marongiu | 1904-10-23 | 2016-02-23 | GRG |
| Female | 111 | 1904 | N | Maria Mattivi-Mattivi | 1904-11-29 | 2016-05-29 | GRG |
| Female | 111 | 1904 | N | Maria Santa Butera-Catalano | 1904-12-02 | 2016-01-14 | GRG |
| Female | 111 | 1904 | N | Maria Granello-Grilletti | 1904-12-11 | 2016-08-11 | GRG |
| Female | 113 | 1905 | N | Mariannina Genovese | 1905-10-15 | 2019-01-01 | GRG |
| Female | 113 | 1905 | N | Diega Cammalleri | 1905-10-23 | 2019-06-15 | GRG |
| Female | 113 | 1906 | N | Guerina Amedei | 1906-01-31 | 2019-03-01 | GRG |
| Female | 113 | 1906 | N | Anna Benericetti-Cimatti | 1906-03-22 | 2019-12-11 | GRG |
| Female | 112 | 1907 | N | *data withheld by IDL* | IDL |
| Male | 110 | 1898 | N | Delfino Borroni | 1898-08-23 | 2008-10-26 | GRG |
| Male | 111 | 1902 | N | Arturo Licata | 1902-05-02 | 2014-04-24 | GRG |