

**Table C9: Differential mortality rates vs differential life expectancy (illustrative computations)**

|                              | Differential mortality parameters by age group |       |       |       |       |       |       |
|------------------------------|--|-------|-------|-------|-------|-------|-------|
|                              | 20-29  | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+   |
| diffmort <sub>t</sub> (a)    | 500%   | 500%  | 400%  | 300%  | 200%  | 150%  | 110%  |
| $m_t^P(a)/m_t(a)$            | 167%   | 167%  | 160%  | 150%  | 133%  | 120%  | 105%  |
| $m_t^R(a)/m_t(a)$            | 33%  | 33%   | 40%   | 50%   | 67%   | 80%   | 95%   |
| $m_t(a)$ (1912)              | 0.6%   | 0.9%  | 1.4%  | 2.5%  | 4.4%  | 9.2%  | 19.8% |
| initial cohort size          | 10 000   | 9 405 | 8 547 | 7 333 | 5 525 | 3 083 | 241   |
| poor decedents               | 495  | 716   | 971   | 1 356 | 1 628 | 1 705 | 121   |
| rich decedents               | 99   | 143   | 243   | 452   | 814   | 1 137 | 121   |
| total decedents              | 595  | 859   | 1 214 | 1 808 | 2 442 | 2 842 | 241   |
| final cohort size            | 9 405  | 8 547 | 7 333 | 5 525 | 3 083 | 241   | 0     |
| average age at death (poor)  | 57.1   |       |       |       |       |       |       |
| average age at death (rich)  | 63.6   | 6.5   |       |       |       |       |       |
| average age at death (total) | 59.1   |       |       |       |       |       |       |

Source: Authors' computations using various differential mortality profiles (see previous tables and formulas)