Table 1. Descriptive statistics of the analytical sample for 11 European countries, 2004-15

|  |  |  |
| --- | --- | --- |
| Cohort |  | Survey wave, year |
|  |   | Wave 1 | Wave 2 | Wave 4 | Wave 5 | Wave 6 |
|  |  | 2004 | 2007 | 2011 | 2013 | 2015 |
| 1950-1954 | Men (n) | 1390 | 1829 | 954 | 938 | 1297 |
|  | Women (n) | 1704 | 2236 | 1220 | 1216 | 1629 |
|  | Mean age (years) | 52.3 | 54.9 | 59.1 | 61.1 | 63.1 |
|  | Gives care (% of males) | 45.0 | 40.5 | 40.04 | 40.3 | 37.2 |
|  | Gives care (% of females) | 48.5 | 49.0 | 46.0 | 46.1 | 40.5 |
| 1945-1949 | Men (n) | 1430 | 1996 | 1006 | 996 | 1395 |
|  | Women (n) | 1816 | 2322 | 1320 | 1302 | 1633 |
|  | Mean age (years) | 57.1 | 59.7 | 64.0 | 65.9 | 67.9 |
|  | Gives care (% of males) | 42.9 | 40.5 | 38.6 | 40.9 | 34.8 |
|  | Gives care (% of females) | 46.5 | 44.1 | 41.7 | 42.8 | 36.4 |
| 1940-1944 | Men (n) | 1304 | 1727 | 938 | 846 | 1187 |
| Women (n) | 1514 | 2023 | 1137 | 1088 | 1403 |
| Mean age (years) | 62.1 | 64.7 | 68.9 | 71.0 | 72.9 |
| Gives care (% of males) | 40.3 | 37.8 | 33.3 | 35.2 | 31.0 |
| Gives care (% of females) | 40.6 | 40.6 | 41.1 | 38.1 | 28.9 |
| 1935-1939 | Men (n) | 1136 | 1535 | 831 | 729 | 1014 |
| Women (n) | 1295 | 1681 | 966 | 919 | 1122 |
| Mean age (years) | 67.1 | 69.6 | 73.9 | 75.9 | 77.9 |
| Gives care (% of males) | 36.4 | 37.4 | 30.2 | 29.5 | 26.3 |
| Gives care (% of females) | 37.9 | 32.5 | 34.0 | 33.3 | 22.8 |
| 1930-1934 | Men (n) | 851 | 1228 | 618 | 552 | 682 |
| Women (n) | 1014 | 1304 | 808 | 746 | 832 |
| Mean age (years) | 72.1 | 74.6 | 78.9 | 80.9 | 82.8 |
| Gives care (% of males) | 32.3 | 27.3 | 27.5 | 25.2 | 20. 1 |
| Gives care (% of females) | 28.4 | 26.3 | 27.0 | 25.7 | 17.3 |
| 1900-1929 | Men (n) | 743 | 1143 | 574 | 427 | 400 |
| Women (n) | 1147 | 1612 | 1021 | 765 | 675 |
| Mean age (years) | 79.1 | 81.9 | 86.0 | 87.5 | 89.1 |
| Gives care (% of males) | 26.2 | 26.3 | 24.4 | 20.8 | 18.3 |
| Gives care (% of females) | 23.9 | 20.0 | 18.8 | 15.6 | 11.7 |

Table 2: Average Marginal Effects (AMEs) for cohort differences for 11 European countries, 2004-15

|  |  |
| --- | --- |
|  | AME for gender |
|  | Unadjusted model |
| Cohort 1945-49 (1) to 1950-54 | 0.034\*\* |
| Cohort 1940-44 (2) to 1945-49 | 0.037\*\*\* |
| Cohort 1935-39 (3) to 1940-44 | -0.041\*\*\* |
| Cohort 1930-34 (4) to 1935-39 | -0.058\*\*\* |
| Cohort 1900-29 (5) to 1900-29 | -0.048\*\*\* |
| No. obs. (no. groups) | 71166 (22872) |
| Log-likelihood | -165400000 |

\*p<0.05; \*\*p<0.01;\*\*\* p<0.001.

Unadjusted model includes only cohort and time, as well as interactions between these variables. Estimated using a mixed effects logistic regression model.

Table 3: Average Marginal Effects (AMEs) for gender differences across cohorts for 11 European countries, 2004-15

|  |  |
| --- | --- |
|  | AME for gender |
|  | Unadjusted model | Adjusted model |
| Cohort 1950-54 (0) | 0.072\*\*\* | 0.079\*\*\* |
| Cohort 1945-49 (1) | 0.061\*\*\* | 0.070\*\*\* |
| Cohort 1940-44 (2) | 0.027\* | 0.042\*\* |
| Cohort 1935-39 (3) | -0.008 | 0.016 |
| Cohort 1930-34 (4) | -0.014 | 0.004 |
| Cohort 1900-29 (5) | -0.062\*\*\* | -0.040\*\* |
| No. obs. (no. groups) | 71166 (22872) | 71166 (22872) |
| Log-likelihood | -165100000 | -163700000 |

\*p<0.05; \*\*p<0.01;\*\*\* p<0.001.

Unadjusted model includes only gender, cohort and time, as well as interactions between these variables. Adjusted models include also partner living in the household, self-rated health, education, employment and no. of chronic conditions. Estimated using a mixed effects logistic regression model.

Table 4: Average Marginal Effects (AMEs) for gender differences across cohorts by care regime, for 2004-15

|  |  |
| --- | --- |
|  | AME for gender |
|  | Adjusted model - Continental | Adjusted model - Southern | Adjusted model - Northern |
| Cohort 1950-54 (0) | 0.060\*\* | 0.011\*\*\* | 0.005 |
| Cohort 1945-49 (1) | 0.044\* | 0.098\*\*\* | -0.008 |
| Cohort 1940-44 (2) | 0.020 | 0.066\*\* | -0.009 |
| Cohort 1935-39 (3) | -0.025 | 0.059\*\* | -0.021 |
| Cohort 1930-34 (4) | -0.032 | 0.032 | -0.038 |
| Cohort 1900-29 (5) | -0.070\*\* | -0.008 | -0.042 |
| No. obs. (no. groups) | 35136 (11148) | 21238 (7169) | 14792(4555) |
| Log-likelihood | -90001574 | -62306010 | -9917456.8 |

\*p<0.05; \*\*p<0.01; \*\*\* p<0.001.

Adjusted models include also partner living in the household, self-rated health, education, employment and no. of chronic conditions. Estimated using a mixed effects logistic regression model. Continental includes Austria, France, Germany, Switzerland, Belgium; Southern includes Spain, Italy and Greece; Northern includes the Netherlands, Denmark and Sweden.

Figure 1: Estimated Probabilities of providing care in 11 European countries, 2004 – 15 (estimated from unadjusted mixed effects logistic regression models)



Notes: Unadjusted model includes only cohort and time, as well as interactions between these variables. Predicted probabilities correspond to results estimated in Table 2 above.

Figure 2: Estimated Probabilities of giving care, by gender in 11 European countries, 2004 – 15 (adjusted model estimated from adjusted mixed effects logistic regression model)



Notes: Adjusted models include also partner living in the household, self-rated health, education, employment and no. of chronic conditions. Predicted probabilities correspond to results estimated in Table 3 above.

Figure 3: Estimated probabilities of giving care, by gender and care regime, 2004 – 15 (estimated from adjusted mixed effects logistic regression models)

|  |  |
| --- | --- |
| Continental care regime | Southern care regime |
|  |  |
| Northern care regime |  |
|  |  |

Notes: Adjusted models include also partner living in the household, self-rated health, education, employment and no. of chronic conditions. Continental includes Austria, France, Germany, Switzerland, Belgium; Southern includes Spain, Italy and Greece; Northern includes the Netherlands, Denmark and Sweden. Predicted probabilities correspond to results estimated in Table 4 above.

Appendix 1: Estimated Probabilities of giving care outside the household, by gender in 11 European countries, 2004 – 15 (adjusted model estimated from adjusted mixed effects logistic regression models)



Notes: Adjusted models include also partner living in the household, self-rated health, education, employment and no. of chronic conditions.

Estimated Probabilities of giving care inside the household, by gender in 11 European countries, 2004 – 15 (adjusted model estimated from adjusted mixed effects logistic regression models)



Notes: Adjusted models include also partner living in the household, self-rated health, education, employment and no. of chronic conditions.