**Supplementary Table S1.** Coefficients from single-equation probit and linear regression models for self-reported employment and average working hours, by sex. Country and wave fixed-effects not shown.

|  |  |  |
| --- | --- | --- |
|  | **Grandmothers** | **Grandfathers** |
|  | **Pr(employment)** **Coef. (SE)** | **Weekly hours** **Coef. (SE)** | **Pr(employment)** **Coef. (SE)** | **Weekly hours** **Coef. (SE)** |
| **Grandchild care** | - 0.324 (0.103) \*\* | - 2.906 (1.965) | - 0.385 (0.133) \*\* | - 3.580 (1.693) \* |
| Average marginal effect | - 0.069 (0.022) \*\* |  | - 0.069 (0.024) \*\* |  |
| **Grandparent** |  |  |  |  |
| Age (ref: 50-54) |  |  |  |  |
|  55-59 | - 0.586 (0.078) \*\*\* | - 3.015 (1.123) \*\* | - 0.950 (0.146) \*\*\* | - 0.105 (0.956)  |
|  60-64 | - 1.555 (0.090) \*\*\* | - 5.625 (1.499) \*\*\* | - 2.329 (0.150) \*\*\* | - 3.529 (1.351) \*\* |
|  65-69 | - 2.789 (0.132) \*\*\* | - 16.78 (2.170) \*\*\* | - 3.562 (0.167) \*\*\* | - 13.57 (1.869) \*\*\* |
| Household size | - 0.015 (0.041)  |  0.414 (0.608)  |  0.147 (0.048) \*\* |  0.992 (0.518) ~ |
| Marital status (ref: not married) |  |  |  |  |
|  Married (partner works) | - 0.147 (0.101)  | - 0.940 (1.541)  | - 0.008 (0.123)  |  1.030 (1.188)  |
|  Married (partner not working) | - 0.267 (0.074) \*\*\* | - 1.895 (1.191)  | - 0.422 (0.102) \*\*\* | - 0.482 (1.138)  |
| Education (ref: low) |  |  |  |  |
|  Intermediate |  0.244 (0.069) \*\*\* |  2.268 (1.045) \* |  0.336 (0.080) \*\*\* |  0.381 (1.100)  |
|  High |  0.469 (0.114) \*\*\* |  4.692 (1.529) \*\* |  0.403 (0.101) \*\*\* |  1.747 (1.231)  |
| Wealth group (ref: lowest) |  |  |  |  |
|  2nd |  0.148 (0.097)  |  0.543 (1.657)  | - 0.142 (0.126)  | - 1.211 (1.665)  |
|  3rd  |  0.058 (0.098)  |  2.335 (1.933)  | - 0.072 (0.118)  | - 1.505 (1.604)  |
|  4th |  0.171 (0.100) ~ |  1.452 (1.770)  |  0.018 (0.127)  |  2.590 (1.741)  |
|  5th (highest) |  0.260 (0.108) \* |  1.267 (1.802)  |  0.245 (0.130) ~ |  3.800 (1.791) \* |
| Rural dwelling | - 0.059 (0.066)  | - 0.222 (1.059)  | - 0.028 (0.074)  |  1.159 (1.014)  |
| ADL limitations | - 0.288 (0.070) \*\*\* | - 1.149 (0.960)  | - 0.281 (0.077) \*\*\* |  0.314 (1.274)  |
| Depressive status |  0.012 (0.066)  | - 1.154 (0.973)  | - 0.242 (0.103) \* | - 0.406 (1.259)  |
| ADL-impaired partner | - 0.301 (0.139) \* |  7.320 (4.023) ~ |  0.005 (0.134)  |  0.442 (3.179)  |
| Number of children with own children aged 0-14 | - 0.043 (0.039)  |  0.398 (0.796)  | - 0.062 (0.048)  |  0.685 (0.610)  |
| **Adult child** |  |  |  |  |
| Female |  0.125 (0.054) \* | - 0.041 (0.783)  |  0.038 (0.060)  | - 0.021 (0.716)  |
| Works for pay |  0.222 (0.068) \*\*\* |  0.339 (1.084)  | - 0.233 (0.083) \*\* | - 0.698 (0.896)  |
| Youngest child (ref: 0-2) |  |  |  |  |
|  3-5 | - 0.043 (0.067)  |  1.578 (0.842) ~ |  0.005 (0.071)  | - 0.352 (0.808)  |
|  6-10 | - 0.095 (0.063)  |  1.564 (1.204)  | - 0.059 (0.077)  | - 0.432 (1.07)  |
|  11-14 | - 0.154 (0.091) ~ |  2.521 (1.777)  | - 0.191 (0.101) ~ |  0.022 (1.752)  |
| Proximity (ref: same building) |  |  |  |  |
|  Within 5km | - 0.061 (0.133)  |  1.045 (2.393)  | - 0.108 (0.159)  |  0.041 (2.299)  |
|  5-25km | - 0.062 (0.136)  |  0.070 (2.322)  | - 0.268 (0.159) ~ |  1.297 (2.378)  |
|  Farther than 25km | - 0.071 (0.141)  |  0.840 (2.513)  | - 0.357 (0.161) \* |  0.330 (2.279)  |
|  |  |  |  |  |
| n (grandparents) |  10,977 |  4,161 |  7,278 |  3,298 |
| n (dyads)  |  16,697 |  5,975 |  10,930 |  4,735 |

\*\*\* p <0.001; \*\* p<0.01; \* p<0.05; ~ p<0.10

**Supplementary Table S2.** Grandmothers: Coefficients on country and wave fixed-effects from recursive bivariate models for a) probability of work and grandchild care (all grandmothers) and b) weekly hours worked and grandchild care (working grandmothers).

|  |  |  |
| --- | --- | --- |
|  | **a) Employment model (all grandmothers)** | **b) Hours model (working grandmothers)** |
|  |  |  |
|  | **Pr(employment)****Coef. (SE)** | **Pr(grandchild care)****Coef. (SE)** | **Weekly hours****Coef. (SE)** | **Pr(grandchild care)****Coef. (SE)** |
| **Grandchild care** | - 0.316 (0.295) |  | - 5.823 (9.047) |  |
| Average marginal effect | - 0.068 (0.063) |  | - 5.823 (9.047) |  |
| **Country fixed-effects**  |  |  |  |  |
| Country (ref: Austria) |  |  |  |  |
|  Germany |  0.663 (0.125) \*\*\* |  0.171 (0.152)  |  0.353 (2.666)  | - 0.165 (0.261)  |
|  Sweden |  1.407 (0.129) \*\*\* | - 0.452 (0.164) \*\* |  3.902 (2.466)  | - 0.497 (0.270) ~ |
|  Netherlands |  0.593 (0.123) \*\*\* | - 0.595 (0.162) \*\*\* | - 4.451 (2.529) ~ | - 0.672 (0.291) \* |
|  Spain |  0.346 (0.161) \* |  0.360 (0.150) \* |  3.114 (3.180)  |  0.288 (0.309)  |
|  Italy | - 0.031 (0.162)  |  0.655 (0.151) \*\*\* |  5.421 (2.929) ~ |  0.516 (0.284) ~ |
|  France |  0.503 (0.110) \*\*\* |  0.017 (0.133)  |  2.002 (2.362)  | - 0.090 (0.249)  |
|  Denmark |  1.068 (0.122) \*\*\* | - 0.568 (0.209) \*\* |  0.825 (2.422)  | - 0.458 (0.311)  |
|  Greece |  0.104 (0.164)  |  0.661 (0.152) \*\*\* |  14.06 (3.767) \*\*\* |  0.081 (0.296)  |
|  Switzerland |  1.186 (0.163) \*\*\* | - 0.218 (0.199)  | - 0.181 (2.830)  | - 0.509 (0.358)  |
|  Belgium |  0.452 (0.112) \*\*\* |  0.242 (0.131) ~ | - 1.828 (2.538)  |  0.066 (0.241)  |
|  Czech Republic |  0.211 (0.136)  |  0.162 (0.140)  |  6.070 (2.378) \* |  0.045 (0.257)  |
|  Poland |  0.052 (0.183)  |  0.827 (0.197) \*\*\* |  6.887 (3.592) ~ |  0.896 (0.341) \*\* |
|  Ireland |  0.924 (0.234) \*\*\* |  0.741 (0.266) \*\* | - 3.860 (4.035)  |  0.982 (0.435) \* |
|  Luxembourg |  0.249 (0.175)  |  0.481 (0.213) \* |  4.936 (3.126)  |  0.362 (0.410)  |
|  Hungary |  0.293 (0.166) ~ |  0.052 (0.177)  |  7.549 (2.625) \*\* | - 0.139 (0.378)  |
|  Portugal |  0.741 (0.250) \*\* |  0.254 (0.241)  |  10.13 (5.587) ~ |  0.766 (0.468)  |
|  Slovenia | - 0.185 (0.138)  |  0.248 (0.132) ~ |  4.951 (2.907) ~ | - 0.171 (0.300)  |
|  Estonia |  1.354 (0.133) \*\*\* |  0.220 (0.151)  |  7.152 (2.247) \*\*\* |  0.090 (0.263)  |
|  Croatia | - 0.328 (0.300)  |  0.438 (0.262) ~ |  8.444 (3.744) \* | - 0.316 (0.540) |
| **Wave fixed-effects**  |  |  |  |  |
| wave (ref: w1: 2004) |  |  |  |  |
|  w2: 2006-07 | - 0.039 (0.106)  | - 0.173 (0.112)  | - 2.636 (1.782)  |  0.000 (0.229)  |
|  w4: 2010-11 |  0.264 (0.084) \*\* |  0.024 (0.117)  | - 2.579 (1.359) ~ |  0.004 (0.176)  |
|  w5: 2013 |  0.471 (0.088) \*\*\* | - 0.074 (0.103)  | - 3.336 (1.412) \* |  0.036 (0.205)  |
|  w6:2015 |  0.553 (0.205) \*\* | - 0.106 (0.173)  | - 4.364 (2.015) \* | - 0.053 (0.255)  |
|  |  |  |  |  |
| n (grandparents) | 11,164 | 4,161 |
| n (dyads)  | 16,976 | 5,975 |
|  |  |  |  |  |
| Correlation (ρ)  | 0.004 (p = 0.974) | 0.114 (p = 0.702) |

\*\*\* p <0.001; \*\* p<0.01; \* p<0.05; ~ p<0.10

**Supplementary Table S3.** Grandfathers: Coefficients on country and wave fixed-effects from recursive bivariate models for a) probability of work and grandchild care (all grandfathers) and b) weekly hours worked and grandchild care (working grandfathers).

|  |  |  |
| --- | --- | --- |
|  | **a) Employment model (all grandmothers)** | **b) Hours model (working grandmothers)** |
|  |  |  |
|  | **Pr(employment)****Coef. (SE)** | **Pr(grandchild care)****Coef. (SE)** | **Weekly hours****Coef. (SE)** | **Pr(grandchild care)****Coef. (SE)** |
| **Grandchild care** | - 0.492 (0.362)  |  | - 7.924 (3.697) \* |  |
| Average marginal effect | - 0.089 (0.066)  |  | - 7.924 (3.697) \* |  |
| **Country fixed-effects**  |  |  |  |  |
| Country (ref: Austria) |  |  |  |  |
|  Germany |  0.778 (0.156) \*\*\* | - 0.123 (0.176)  | - 3.489 (2.174)  | - 0.368 (0.329)  |
|  Sweden |  1.396 (0.155) \*\*\* | - 0.872 (0.223) \*\*\* | - 3.508 (2.225)  | - 1.081 (0.352) \*\* |
|  Netherlands |  0.892 (0.155) \*\*\* | - 0.958 (0.204) \*\*\* | - 6.389 (2.231) \*\* | - 1.390 (0.387) \*\*\* |
|  Spain |  0.939 (0.193) \*\*\* |  0.294 (0.181)  | - 2.472 (3.254)  |  0.077 (0.329)  |
|  Italy |  0.381 (0.169) \* |  0.365 (0.168) \* | - 1.005 (2.649)  | - 0.196 (0.331)  |
|  France |  0.181 (0.138)  | - 0.036 (0.170)  | - 5.417 (2.075) \*\* | - 0.228 (0.310)  |
|  Denmark |  1.227 (0.153) \*\*\* | - 1.110 (0.293) \*\*\* | - 5.296 (2.143) \* | - 1.249 (0.475) \*\* |
|  Greece |  0.761 (0.189) \*\*\* |  0.515 (0.194) \*\* |  5.407 (3.127) ~ |  0.182 (0.357)  |
|  Switzerland |  1.549 (0.181) \*\*\* | - 0.233 (0.203)  | - 1.458 (2.885)  | - 0.568 (0.377)  |
|  Belgium |  0.460 (0.137) \*\*\* |  0.146 (0.154)  | - 3.683 (2.131) ~ | - 0.006 (0.296)  |
|  Czech Republic |  0.470 (0.165) \*\* | - 0.171 (0.193)  | - 3.195 (2.533)  | - 0.425 (0.348)  |
|  Poland | - 0.079 (0.212)  |  0.313 (0.223)  | - 2.845 (2.530)  | - 0.191 (0.369)  |
|  Ireland |  1.376 (0.322) \*\*\* |  0.222 (0.299)  | - 1.478 (3.652)  | - 0.377 (0.515)  |
|  Luxembourg | - 0.109 (0.217)  |  0.246 (0.235)  | - 3.591 (2.706)  |  0.166 (0.440)  |
|  Hungary |  0.142 (0.228)  |  0.364 (0.292)  | - 10.10 (3.645) \*\* |  0.472 (0.437)  |
|  Portugal |  0.257 (0.281)  | - 0.007 (0.244)  | - 19.63 (6.706) \*\* |  0.050 (0.511)  |
|  Slovenia | - 0.266 (0.164)  |  0.449 (0.189) \* | - 5.097 (2.462) \* |  0.074 (0.386)  |
|  Estonia |  1.258 (0.236) \*\*\* |  0.001 (0.313)  | - 2.972 (2.126)  | - 0.241 (0.304)  |
|  Croatia |  0.089 (0.305)  |  0.915 (0.345) \*\* | - 5.282 (3.175) ~ | - 0.060 (0.557)  |
| **Wave fixed-effects**  |  |  |  |  |
| wave (ref: w1: 2004) |  |  |  |  |
|  w2: 2006-07 | - 0.071 (0.129)  |  0.081 (0.134)  | - 0.457 (1.207)  |  0.406 (0.215) ~ |
|  w4: 2010-11 |  0.129 (0.093)  |  0.043 (0.112)  | - 1.173 (1.239)  | - 0.012 (0.189)  |
|  w5: 2013 |  0.406 (0.107) \*\*\* |  0.081 (0.130)  | - 2.968 (1.424) \* |  0.075 (0.207)  |
|  w6:2015 |  0.531 (0.163) \*\*\* | - 0.563 (0.184) \*\*\* | - 0.083 (1.645)  | - 0.356 (0.310)  |
|  |  |  |  |  |
| n (grandparents) | 7,393 | 3,298 |
| n (dyads)  | 11,092 | 4,735 |
|  |  |  |  |  |
| Correlation (ρ)  | 0.061 (p = 0.720) | 0.175 (p = 0.105) |

\*\*\* p <0.001; \*\* p<0.01; \* p<0.05; ~ p<0.10

**Supplementary Table S4.** Weighted sample characteristics (grandparents aged 50-69 with grandchildren aged 0-14), by sex and country group

|  |  |  |
| --- | --- | --- |
|  | **Grandmothers**  | **Grandfathers** |
|  | **Optional de-fam.** | **Service de-fam.** | **Support.familism** | **Fam. by default** | **Optional de-fam.** | **Service de-fam.** | **Support.familism** | **Fam. by default** |
|  |  |  |  |  |  |  |  |  |
| Employed | 37.22 | 28.09 | 33.00 | 18.04 | 38.67 | 33.92 | 37.65 | 26.70 |
| Weekly working hours\* (mean) | 35.00 | 33.21 | 36.65 | 36.20 | 41.30 | 39.83 | 41.08 | 42.91 |
| Providing daily grandchild care |  9.78 | 14.74 | 13.60 | 31.51 |  6.63 | 10.76 |  8.28 | 22.22 |
|  |  |  |  |  |  |  |  |  |
| Age (mean) | 59.37 | 60.83 | 59.91 | 59.78 | 59.76 | 61.76 | 60.46 | 61.97 |
| Household size (mean) | 1.97 | 2.35 | 2.01 | 2.33 | 2.40 | 2.57 | 2.31 | 2.51 |
| Marital status: not married | 44.36 | 33.95 | 50.32 | 37.09 | 20.39 | 13.89 | 21.47 | 10.03 |
|  Married (partner works for pay) | 13.33 | 10.82 | 14.00 | 12.09 | 25.56 | 13.03 | 20.17 |  9.05 |
|  Married (partner does not work) | 42.30 | 55.23 | 35.68 | 50.82 | 54.05 | 73.08 | 58.36 | 80.92 |
| Education: Low (ISCED 0-2) | 46.93 | 78.58 | 36.23 | 72.37 | 34.65 | 67.87 | 26.25 | 67.84 |
|  Intermediate (ISCED 3-4) | 37.65 | 10.41 | 51.76 | 23.94 | 46.35 | 15.46 | 54.86 | 25.44 |
|  High(ISCED 5-6) | 15,42 | 11.00 | 12.01 |  3.69 | 19.00 | 16.66 | 18.89 |  6.71 |
| Wealth group: 1st (lowest) | 27.78 | 19.04 | 21.34 | 23.37 | 16.98 | 18.38 | 13.71 | 22.19 |
|  2nd | 15.38 | 23.29 | 19.45 | 16.84 | 25.73 | 20.95 | 21.02 | 19.02 |
|  3rd  | 19.12 | 17.77 | 19.90 | 18.82 | 23.36 | 21.02 | 23.58 | 16.16 |
|  4th | 16.40 | 20.30 | 20.85 | 19.73 | 15.61 | 19.69 | 20.68 | 19.57 |
|  5th (highest) | 23.31 | 19.60 | 18.46 | 21.24 | 18.32 | 19.97 | 21.01 | 23.06 |
| Rural dwelling | 29.37 | 13.12 | 27.62 | 39.01 | 35.15 | 14.66 | 26.55 | 35.51 |
| ADL limitations (mean) |  0.07 |  0.15 |  0.08 |  0.12 |  0.12 |  0.17 |  0.08 |  0.10 |
| 1+ ADL limitations |  5.15 |  7.84 |  4.85 |  6.69 |  9.80 |  7.47 |  4.29 |  4.75 |
| Depressive status | 40.78 | 41.71 | 31.64 | 36.74 | 25.88 | 16.75 | 13.97 | 23.78 |
| Has partner with ADL limitations |  2.58 |  3.13 |  2.01 |  3.15 |  4.13 |  4.58 |  3.17 |  2.95 |
| No. of children with own children aged 0-14 (mean) |  1.63 |  1.64 |  1.43 |  1.46 |  1.57 |  1.47 |  1.47 |  1.34 |
|  |  |  |  |  |  |  |  |  |
| n  | 3,302 | 2,622 | 4,136 | 1,886 | 2,418 | 1,821 | 2,525 | 1.019 |

\*Average weekly working hours are only calculated for the subsample of working grandparents

**Supplementary Table S5**. Predictive margins from the single-equation model for a) the probability of being employed and b) weekly working hours by daily grandchild care provision with corresponding Average Marginal Effects (AME), over country groups and separately by sex.

|  |  |  |
| --- | --- | --- |
|  | **Grandmothers** | **Grandfathers** |
| **Country group** | **Pr(employment)** | **Weekly hours** | **Pr(employment)** | **Weekly hours** |
|  |  |  |  |  |
| **Optional de-familisation** |
| Daily GC care: no |  0.408 (0.011) |  34.23 (0.685) |  0.388 (0.009) |  39.88 (0.554) |
| Daily GC care: yes |  0.346 (0.050) |  34.64 (3.461) |  0.382 (0.061) |  44.16 (2.896) |
| AME | **- 0.062 (0.051)** |  **0.404 (3.492)** | **- 0.005 (0.062)** |  **4.279 (2.932)** |
| **Service de-familisation** |  |  |  |
| Daily GC care: no |  0.279 (0.014) |  30.99 (1.129) |  0.346 (0.014) |  39.77 (1.230) |
| Daily GC care: yes |  0.229 (0.034) |  27.60 (3.528) |  0.300 (0.047) |  35.36 (2.464) |
| AME  | **- 0.051 (0.037)** | **- 3.291 (3.778)** | **- 0.047 (0.050)** | **- 4.407 (2.907)** |
| **Supported familism** |  |  |  |  |
| Daily GC care: no |  0.363 (0.012) |  32.90 (0.860) |  0.430 (0.013) |  39.92 (0.725) |
| Daily GC care: yes |  0.243 (0.028) |  30.86 (2.630) |  0.395 (0.040) |  33.65 (3.149) |
| AME  | **- 0.119 (0.030) \*\*\*** | **- 2.042 (2.563)** | **- 0.035 (0.042)** | **- 6.268 (3.198) \*** |
| **Familism by default** |  |  |  |  |
| Daily GC care: no |  0.224 (0.017) |  36.18 (1.353) |  0.300 (0.015) |  43.79 (1.253) |
| Daily GC care: yes |  0.183 (0.025) |  35.66 (2.406) |  0.187 (0.027) |  39.21 (2.512) |
| AME  | **- 0.042 (0.031)** | **- 0.520 (2.730)** | **- 0.113 (0.031) \*\*\*** | **- 4.494 (2.773) ~** |
|  |  |  |  |  |
| n (grandparents) |  10,733 |  3,993 |  7,040 |  3,116 |
| n (dyads)  |  16,357 |  5,739 |  10,591  |  4,474 |

\*\*\* p <0.001; \*\* p<0.01; \* p<0.05; ~ p<0.10

**Supplementary Table S6.** Sensitivity of the results to using different age groups for the grandchildren, recursive bivariate models pooling all countries.

|  |  |  |
| --- | --- | --- |
|  | **Grandmothers** | **Grandfathers** |
|  | **Pr(employment)** | **Weekly hours** | **Pr(employment)** | **Weekly hours** |
|  | **AME (SE)** | **Coef. (SE)** | **AME (SE)** | **Coef. (SE)** |
| **Grandchildren aged 0-14** |  |  |  |  |
| Daily grandchild care | - 0.068 (0.063) | - 5.823 (9.047) | - 0.089 (0.066) | - 7.924 (3.697) \* |
| Correlation (ρ) |  0.004 (p = 0.974) |  0.114 (p = 0.702) |  0.061 (p = 0.720) |  0.175 (p = 0.105) |
| n(grandparents) |  11,164 |  4,161 |  7,393 |  3,298 |
| n(dyads) |  16,976 |  5,975 |  11,092 |  4,735 |
| **Grandchildren aged 0-10** |  |  |  |  |
| Daily grandchild care | - 0.050 (0.068) | - 1.296 (26.59) | - 0.060 (0.078) | - 8.305 (3.654) \* |
| Correlation (ρ) | - 0.043 (p = 0.764) | - 0.051 (p = 0.960) | - 0.074 (p = 0.706) |  0.201 (p = 0.060) |
| n(grandparents) |  10,119 |  3,945 |  6,836 |  3,154 |
| n(dyads) |  14,444 |  5,462 |  9,754 |  4,364 |
| **Grandchildren aged 0-5** |  |  |  |  |
| Daily grandchild care | - 0.106 (0.090) |  3.648 (6.670) | - 0.067 (0.088) | - 5.532 (3.809) |
| Correlation (ρ) |  0.078 (p = 0.655) | - 0.212 (p = 0.444) | - 0.062 (p = 0.775) |  0.144 (p = 0.234) |
| n(grandparents) |  5,526  |  2,212 |  4,405 |  1,676 |
| n(dyads) |  7,620 |  3,111 |  5,919 |  2,383 |

\*\*\* p <0.001; \*\* p<0.01; \* p<0.05; ~ p<0.10

**Supplementary Table S7.** Sensitivity of the results to restricting the samples to grandparents of grandchildren aged 0-10, recursive bivariate models with interactions.

|  |  |  |
| --- | --- | --- |
|  | **Grandmothers** | **Grandfathers** |
| **Country group** | **Pr(employment)** | **Weekly hours** | **Pr(employment)** | **Weekly hours** |
|  |  |  |  |  |
| **Optional de-familisation** |
| Daily GC care: no |  0.441 (0.013) |  34.37 (0.741) |  0.411 (0.010) |  40.15 (0.553) |
| Daily GC care: yes |  0.363 (0.088) |  29.31 (7.590) |  0.456 (0.109) |  39.58 (3.815) |
| AME | **- 0.078 (0.091)** | **- 5.063 (7.814)** |  **0.045 (0.112)** | **- 0.0571 (3.883)** |
| **Service de-familisation** |  |  |  |
| Daily GC care: no |  0.299 (0.017) |  31.37 (1.237) |  0.365 (0.017) |  38.67 (1.120) |
| Daily GC care: yes |  0.234 (0.060) |  20.45 (6.406) |  0.367 (0.091) |  31.31 (3.691) |
| AME  | **- 0.065 (0.068)** | **- 10.92 (6.986)** |  **0.003 (0.099)** | **- 7.356 (4.026) ~** |
| **Supported familism** |  |  |  |  |
| Daily GC care: no |  0.410 (0.015) |  33.07 (0.944) |  0.470 (0.015) |  40.44 (0.760) |
| Daily GC care: yes |  0.273 (0.066) |  21.19 (8.407) |  0.453 (0.086) |  29.38 (4.807) |
| AME  | **- 13.73 (0.072) ~** | **- 11.89 (8.868)** | **- 0.017 (0.092)** | **- 11.06 (4.943) \*** |
| **Familism by default** |  |  |  |  |
| Daily GC care: no |  0.260 (0.025) |  36.43 (1.853) |  0.315 (0.021) |  43.81 (1.391) |
| Daily GC care: yes |  0.224 (0.045) |  33.59 (4.758) |  0.235 (0.061) |  34.41 (3.182) |
| AME  | **- 0.036 (0.060)** | **- 2.839 (6.009)** | **- 0.080 (0.074)** | **- 9.406 (3.657) \*\*** |
|  |  |  |  |  |
| n (grandparents) |  9,737 |  3,788 |  6,505 |  2,980  |
| n (dyads)  |  13,921 |  5,248 |  9,298 |  4,121 |

\*\*\* p <0.001; \*\* p<0.01; \* p<0.05; ~ p<0.10

**Supplementary Table S8.** Sensitivity of the results to including grandparents who live with a grandchild, recursive bivariate models pooling all countries.

|  |  |  |
| --- | --- | --- |
|  | **Grandmothers** | **Grandfathers** |
|  | **Pr(employment)** | **Weekly hours** | **Pr(employment)** | **Weekly hours** |
|  | **AME (SE)** | **Coef. (SE)** | **AME (SE)** | **Coef. (SE)** |
| **Excluding coresident grandparents** |
| Daily grandchild care | - 0.068 (0.063) | - 5.823 (9.047) | - 0.089 (0.066) | - 7.924 (3.697) \* |
| Correlation (ρ) |  0.004 (p = 0.974) |  0.114 (p = 0.702) |  0.061 (p = 0.720) |  0.175 (p = 0.105) |
| n(grandparents) |  11,164 |  4,161 |  7,393 |  3,298 |
| n(dyads) |  16,976 |  5,975 |  11,092 |  4,735 |
| **Including coresident grandparents** |  |
| Daily grandchild care | - 0.084 (0.061) | - 5.694 (9.189) | - 0.095 (0.057) ~ | - 6.423 (3.622) ~ |
| Correlation (ρ) |  0.027 (p = 0.849) |  0.086 (p = 0.780) |  0.087 (p = 0.543) |  0.125 (p = 0.236) |
| n(grandparents) |  11,435 |  4,259 |  7,583 |  3,387 |
| n(dyads) |  17,613 |  6,177 |  11,479 |  4,906 |

\*\*\* p <0.001; \*\* p<0.01; \* p<0.05; ~ p<0.10

**Supplementary Table S9.** Sensitivity of the results to including grandparents who live with a grandchild, recursive bivariate models with interactions.

|  |  |  |
| --- | --- | --- |
|  | **Grandmothers** | **Grandfathers** |
| **Country group** | **Pr(employment)** | **Weekly hours** | **Pr(employment)** | **Weekly hours** |
|  |  |  |  |  |
| **Optional de-familisation** |
| Daily GC care: no |  0.415 (0.012) |  34.24 (0.704) |  0.390 (0.010) |  39.96 (0.547) |
| Daily GC care: yes |  0.336 (0.078) |  28.56 (5.654) |  0.401 (0.081) |  40.60 (3.605) |
| AME | **- 0.079 (0.081)** | **- 5.677 (5.844)** |  **0.011 (0.083)** |  **0.641 (3.698)** |
| **Service de-familisation** |  |  |  |
| Daily GC care: no |  0.280 (0.016) |  31.30 (1.210) |  0.351 (0.015) |  39.45 (1.254) |
| Daily GC care: yes |  0.227 (0.054) |  22.62 (4.952) |  0.347 (0.076) |  33.34 (3.313) |
| AME  | **- 0.053 (0.062)** | **- 8.681 (5.488)** | **- 0.004 (0.082)** | **- 6.112 (3.851)** |
| **Supported familism** |  |  |  |  |
| Daily GC care: no |  0.368 (0.014) |  32.98 (0.961) |  0.438 (0.013) |  39.97 (0.714) |
| Daily GC care: yes |  0.236 (0.056) |  18.70 (6.403) |  0.408 (0.062) |  31.45 (4.620) |
| AME  | **- 0.132 (0.062) \*** | **- 14.28 (6.764) \*** | **- 0.030 (0.065)** | **- 8.512 (4.768) ~** |
| **Familism by default** |  |  |  |  |
| Daily GC care: no |  0.262 (0.024) |  38.37 (1.866) |  0.317 (0.018) |  43.50 (1.356) |
| Daily GC care: yes |  0.189 (0.037) |  33.81 (3.839) |  0.188 (0.039) |  36.18 (3.243) |
| AME  | **- 0.073 (0.054)** | **- 4.559 (5.034)** | **- 0.129 (0.049) \*\*** | **- 7.312 (3.742) \*** |
|  |  |  |  |  |
| n (grandparents) |  10,994 |  4,086 |  7,220 |  3,199 |
| n (dyads)  |  16,977 |  5,934 |  10,964 |  4,637 |

\*\*\* p <0.001; \*\* p<0.01; \* p<0.05; ~ p<0.10

**Supplementary Table S10**. Weighted sample characteristics comparing grandparents to non-grandparents (individuals aged 50-69), by sex

|  |  |  |
| --- | --- | --- |
|  | **Women** | **Men** |
|  |  |  |
|  |  |  |
|  | **Total** | **Grandparent status** | **Total** | **Grandparent status** |
|  |  |  |  |  |
|  |  | **No** | **Yes** | **z-test *p*** |  | **No** | **Yes** | **z-test *p*** |
|  |  |  |  |  |  |  |  |  |
| Employed | 42.06 | 57.96 | 27.28 | <0.001 | 62.27 | 76.47 | 38.89 | <0.001 |
| Weekly working hours\* (mean) | 35.26 | 35.27 | 35.30 |  0.972 | 41.99 | 42.64 | 41.59 |  0.202 |
|  |  |  |  |  |  |  |  |  |
| Age (mean) | 57.98 | 55.23 | 60.17 | <0.001 | 57.77 | 55.37 | 60.82 | <0.001 |
| Household size (mean) |  2.42 |  2.60 |  2.21 | <0.001 |  2.72 |  2.95 |  2.46 | <0.001 |
| Marital status: not married | 39.21 | 39.41 | 39.03 |  | 20.59 | 22.65 | 17.19 |  |
|  Married (partner works for pay) | 17.97 | 24.14 | 12.31 |  | 24.67 | 28.77 | 17.93 |  |
|  Married (partner does not work) | 42.83 | 36.46 | 48.66 | <0.001 | 54.74 | 48.58 | 64.88 | <0.001 |
| Education: Low (ISCED 0-2) | 52.95 | 42.24 | 62.79 |  | 43.20 | 37.34 | 52.83 |  |
|  Intermediate (ISCED 3-4) | 31.68 | 35.51 | 28.16 |  | 38.09 | 41.38 | 32.69 |  |
|  High(ISCED 5-6) | 15.37 | 22.25 |  9.05 | <0.001 | 18.71 | 21.28 | 14.48 | <0.001 |
| Wealth group: 1st (lowest) | 21.29 | 19.98 | 22.49 |  | 16.43 | 14.88 | 18.97 |  |
|  2nd | 18.89 | 19.22 | 18.58 |  | 22.45 | 23.05 | 21.48 |  |
|  3rd  | 18.95 | 18.56 | 19.30 |  | 21.51 | 22.34 | 20.15 |  |
|  4th | 19.92 | 20.68 | 19.23 |  | 19.36 | 19.86 | 18.54 |  |
|  5th (highest) | 20.96 | 21.56 | 20.41 |  0.400 | 20.25 | 19.87 | 20.86 |  0.036 |
| Rural dwelling | 26.60 | 23.99 | 28.97 |  0.003 | 28.32 | 28.64 | 27.81 |  0.667 |
| ADL limitations (mean) |  0.97 |  0.76 |  0.12 |  0.006 |  0.79 |  0.65 |  0.11 |  0.006 |
| 1+ ADL limitations |  5.75 |  4.87 |  6.57 |  0.121 |  4.25 |  2.95 |  6.38 | <0.001 |
| Depressive status | 37.12 | 35.89 | 38.26 |  0.167 | 17.32 | 15.48 | 20.36 | <0.001 |
| Has partner with ADL limitations |  2.32 |  1.61 |  2.97 |  0.001 |  2.40 |  1.59 |  3.74 | <0.001 |
| No. of children with own children aged 0-14 (mean) |  0.50 |  0.01 |  1.29 | <0.001 |  0.31 |  0.01 |  1.17 | <0.001 |
|  |  |  |  |  |  |  |  |  |
| n  |  25,508 |  10,373 |  15,135 |  |  20,262 |  10,392 |  9,870 |  |

\*Average weekly working hours are only calculated for the subsample of working individuals

**Supplementary Table S11**. Probability of being employed or self-employed for women across cohorts in the SHARE sample (includes grandmothers and non-grandmothers)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Birth cohort** | **% employed aged 50-54** | **% employed aged 55-59** | **% employed aged 60-64** | **% employed aged 65-69** |
| 1935-39 |  |  |  | 2.95 |
| 1940-44 |  |  | 16.94 | 4.23 |
| 1945-49 |  | 41.49 | 17.39 | 5.97 |
| 1950-54 | 60.37 | 49.90 | 27.79 |  |
| 1955-59 | 69.85 | 58.57 |  |  |
| 1960-64 | 73.02 |  |  |  |

**Appendix S1: Results from alternative country classification using childcare coverage as opposed to enrolment**

**Figure SA1.** Classification of SHARE countries into four groups based on childcare service coverage and effective parental leave in 2004–2009. Horizontal and vertical lines indicating cross-country median values for childcare coverage and parental leave, respectively.

****

Source: Multilinks (2011) data.

Note: median values (instead of mean) used to divide countries since the distribution of childcare coverage is highly skewed.

**Table SA1.** Predictive margins from the recursive bivariate model for a) the probability of being employed and b) weekly working hours by daily grandchild care provision with corresponding Average Marginal Effects (AME), over country groups and separately by sex.

|  |  |  |
| --- | --- | --- |
|  | **Grandmothers** | **Grandfathers** |
| **Country group** | **Pr(employment)** | **Weekly hours** | **Pr(employment)** | **Weekly hours** |
|  |  |  |  |  |
| **Optional de-familisation** |
| Daily GC care: no |  0.412 (0.010) |  34.25 (0.621) |  0.392 (0.008) |  40.03 (0.463) |
| Daily GC care: yes |  0.352 (0.083) |  28.45 (6.453) |  0.391 (0.093) |  40.04 (3.848) |
| AME | **- 0.060 (0.086)** | **- 5.806 (6.671)** | **- 0.001 (0.096)** |  **0.007 (3.933)** |
| **Service de-familisation** |  |  |  |
| Daily GC care: no |  0.337 (0.012) |  29.68 (1.015) |  0.367 (0.010) |  38.05 (0.796) |
| Daily GC care: yes |  0.357 (0.084) |  19.05 (5.939) |  0.359 (0.063) |  29.68 (3.400) |
| AME  |  **0.021 (0.089)** | **- 10.62 (6.412) ~** | **- 0.007 (0.066)** | **- 8.373 (3.664) \*** |
| **Supported familism** |  |  |  |  |
| Daily GC care: no |  0.363 (0.012) |  32.91 (0.842) |  0.430 (0.011) |  39.91 (0.640) |
| Daily GC care: yes |  0.244 (0.059) |  19.98 (7.411) |  0.406 (0.069) |  29.41 (4.482) |
| AME  | **- 0.120 (0.065) ~** | **- 12.93 (7.774) ~** | **- 0.024 (0.073)** | **- 10.50 (4.626) \*** |
| **Familism by default** |  |  |  |  |
| Daily GC care: no |  0.238 (0.018) |  36.57 (1.267) |  0.304 (0.015) |  43.04 (1.090) |
| Daily GC care: yes |  0.188 (0.039) |  31.01 (4.450) |  0.211 (0.044) |  34.67 (2.735) |
| AME  | **- 0.050 (0.052)** | **- 5.567 (5.265)** | **- 0.093 (0.054) ~** | **- 8.371 (3.118) \*\*** |
|  |  |  |  |  |
| n (grandparents) |  10,733 |  3,993 |  7,040 |  3,116 |
| n (dyads)  |  16,357 |  5,739 |  10,591  |  4,474 |

\*\*\* p <0.001; \*\* p<0.01; \* p<0.05; ~ p<0.10

**Appendix S2: Results for grandchild care performed at least “almost weekly”**

**Table SA2a.** Grandmothers: Coefficients from recursive bivariate models for a) probability of work and grandchild care (all grandmothers) and b) weekly hours worked and grandchild care (working grandmothers). Country and wave fixed-effects not shown.

|  |  |  |
| --- | --- | --- |
|  | **a) Employment model (all grandmothers)** | **b) Hours model (working grandmothers)** |
|  |  |  |
|  | **Pr(employment)****Coef. (SE)** | **Pr(grandchild care)****Coef. (SE)** | **Weekly hours****Coef. (SE)** | **Pr(grandchild care)****Coef. (SE)** |
| **Grandchild care** | - 0.338 (0.780) |  |  15.84 (3.086) \*\*\* |  |
| Average marginal effect | - 0.073 (0.169) |  |  |  |
| **Grandmother**  |  |  |  |  |
| Age (ref: 50-54) |  |  |  |  |
|  55-59 | - 0.578 (0.077) \*\*\* |  0.097 (0.071)  | - 3.365 (1.061) \*\* |  0.141 (0.087)  |
|  60-64 | - 1.541 (0.098) \*\*\* |  0.040 (0.073)  | - 6.389 (1.327) \*\*\* |  0.178 (0.104) ~ |
|  65-69 | - 2.769 (0.148) \*\*\* |  0.005 (0.079)  | - 17.71 (1.766) \*\*\* |  0.262 (0.197)  |
| Household size | - 0.015 (0.034)  |  0.011 (0.029)  |  0.390 (0.570)  | - 0.003 (0.051)  |
| Marital status (ref: not married) |  |  |  |  |
|  Married (partner works) | - 0.141 (0.091)  | - 0.041 (0.082)  | - 1.188 (1.559)  |  0.056 (0.121)  |
|  Married (partner not working) | - 0.254 (0.075) \*\*\* |  0.130 (0.052) \* | - 2.993 (1.098) \*\* |  0.224 (0.092) \* |
| Education (ref: low) |  |  |  |  |
|  Intermediate |  0.252 (0.062) \*\*\* | - 0.053 (0.058)  |  2.440 (1.003) \* | - 0.012 (0.090)  |
|  High |  0.474 (0.109) \*\*\* | - 0.138 (0.079) ~ |  5.220 (1.293) \*\*\* | - 0.074 (0.113)  |
| Wealth group (ref: lowest) |  |  |  |  |
|  2nd |  0.153 (0.083) ~ |  0.075 (0.076)  |  0.038 (1.589)  |  0.103 (0.130)  |
|  3rd  |  0.057 (0.082)  |  0.025 (0.076)  |  2.864 (1.793)  | - 0.126 (0.136)  |
|  4th |  0.194 (0.095) \* |  0.231 (0.075) \*\* |  0.179 (1.646)  |  0.291 (0.130) \* |
|  5th (highest) |  0.280 (0.113) \* |  0.292 (0.074) \*\*\* | - 0.354 (1.689)  |  0.291 (0.132) \* |
| Rural dwelling | - 0.072 (0.057)  | - 0.090 (0.053) ~ |  0.304 (0.953)  | - 0.100 (0.089)  |
| ADL limitations | - 0.290 (0.067) \*\*\* | - 0.138 (0.045) \*\* | - 1.175 (1.017)  |  0.017 (0.112)  |
| Depressive status |  0.009 (0.057)  |  0.033 (0.051)  | - 1.163 (0.906)  |  0.039 (0.083)  |
| ADL-impaired partner | - 0.311 (0.128) \* | - 0.091 (0.137)  |  8.453 (4.051) \* | - 0.305 (0.233)  |
| Number of children with own children aged 0-14 | - 0.049 (0.044)  | - 0.166 (0.029) \*\*\* |  0.947 (0.584)  | - 0.118 (0.05) \* |
| **Adult child**  |  |  |  |  |
| Female |  0.146 (0.104)  |  0.452 (0.049) \*\*\* | - 1.718 (0.936) ~ |  0.374 (0.082) \*\*\* |
| Works for pay |  0.232 (0.096) \* |  0.325 (0.060) \*\*\* | - 1.400 (1.294)  |  0.358 (0.098) \*\*\* |
| Youngest child (ref: 0-2) |  |  |  |  |
|  3-5 | - 0.045 (0.071)  |  0.055 (0.060)  |  1.327 (0.883)  |  0.034 (0.090)  |
|  6-10 | - 0.106 (0.068)  | - 0.167 (0.058) \*\* |  2.218 (1.409)  | - 0.185 (0.101) ~ |
|  11-14 | - 0.205 (0.170)  | - 0.722 (0.079) \*\*\* |  6.539 (2.256) \*\* | - 1.077 (0.165) \*\*\* |
| Proximity (ref: same building) |  |  |  |  |
|  Within 5km | - 0.045 (0.184)  | - 0.490 (0.098) \*\*\* |  7.482 (3.131) \* | - 1.258 (0.196) \*\*\* |
|  5-25km | - 0.072 (0.306)  | - 0.980 (0.100) \*\*\* |  8.972 (3.498) \*\*\* | - 1.657 (0.202) \*\*\* |
|  Farther than 25km | - 0.155 (0.498)  | - 2.028 (0.103) \*\*\* |  13.76 (3.924) \*\*\* | - 2.606 (0.200) \*\*\* |
|  |  |  |  |  |
| n (grandparents) | 11,164 | 4,161 |
| n (dyads)  | 16,976 | 5,975 |
|  |  |  |  |  |
| Correlation (ρ)  | 0.163 (p = 0.730) | - 0.656 (p = 0.000) |

\*\*\* p <0.001; \*\* p<0.01; \* p<0.05; ~ p<0.10

**Table SA2b.** Grandfathers: Coefficients from recursive bivariate models for a) probability of work and grandchild care (all grandfathers) and b) weekly hours worked and grandchild care (working grandfathers). Country and wave fixed-effects not shown.

|  |  |  |
| --- | --- | --- |
|  | **a) Employment model (all grandfathers)** | **b) Hours model (working grandfathers)** |
|  |  |  |
|  | **Pr(employment)****Coef. (SE)** | **Pr(grandchild care)****Coef. (SE)** | **Weekly hours****Coef. (SE)** | **Pr(grandchild care)****Coef. (SE)** |
| **Grandchild care** | - 0.430 (0.282) |  | - 3.010 (2.232) |  |
| Average marginal effect | - 0.078 (0.052) |  |  |  |
| **Grandfather**  |  |  |  |  |
| Age (ref: 50-54) |  |  |  |  |
|  55-59 | - 0.930 (0.132) \*\*\* |  0.338 (0.107) \*\* | - 0.044 (0.901)  |  0.217 (0.114) ~ |
|  60-64 | - 2.301 (0.142) \*\*\* |  0.382 (0.103) \*\*\* | - 3.400 (1.173) \*\* |  0.287 (0.127) \* |
|  65-69 | - 3.522 (0.159) \*\*\* |  0.370 (0.106) \*\*\* | - 13.42 (1.662) \*\*\* |  0.260 (0.160)  |
| Household size |  0.135 (0.042) \*\*\* | - 0.050 (0.037)  |  0.892 (0.463) ~ | - 0.069 (0.051)  |
| Marital status (ref: not married) |  |  |  |  |
|  Married (partner works) |  0.066 (0.113)  |  0.845 (0.110) \*\*\* |  1.537 (1.067)  |  0.717 (0.144) \*\*\* |
|  Married (partner not working) | - 0.351 (0.103) \*\*\* |  0.876 (0.098) \*\*\* |  0.004 (1.036)  |  0.753 (0.138) \*\*\* |
| Education (ref: low) |  |  |  |  |
|  Intermediate |  0.359 (0.071) \*\*\* |  0.132 (0.065) \* |  0.521 (0.976)  |  0.086 (0.103)  |
|  High |  0.422 (0.088) \*\*\* |  0.125 (0.080)  |  1.875 (1.114) ~ |  0.123 (0.124)  |
| Wealth group (ref: lowest) |  |  |  |  |
|  2nd | - 0.143 (0.105)  | - 0.039 (0.102)  | - 1.144 (1.352)  |  0.032 (0.157)  |
|  3rd  | - 0.088 (0.099)  | - 0.048 (0.095)  | - 1.606 (1.292)  |  0.083 (0.152)  |
|  4th |  0.026 (0.109)  |  0.110 (0.097)  |  2.695 (1.459) ~ |  0.131 (0.156)  |
|  5th (highest) |  0.247 (0.110) \* |  0.139 (0.098)  |  3.855 (1.457) \*\* |  0.139 (0.156)  |
| Rural dwelling | - 0.021 (0.064)  |  0.005 (0.058)  |  1.191 (0.868)  |  0.019 (0.093)  |
| ADL limitations | - 0.287 (0.071) \*\*\* | - 0.064 (0.047)  |  0.318 (1.069)  |  0.178 (0.152)  |
| Depressive status | - 0.238 (0.088) \*\* |  0.044 (0.071)  | - 0.369 (1.160)  | - 0.049 (0.124)  |
| ADL-impaired partner | - 0.003 (0.119)  | - 0.104 (0.117)  |  0.368 (2.897)  |  0.034 (0.189)  |
| Number of children with own children aged 0-14 | - 0.077 (0.038) \* | - 0.209 (0.034) \*\*\* |  0.607 (0.434)  | - 0.093 (0.056) ~ |
| **Adult child**  |  |  |  |  |
| Female |  0.056 (0.071)  |  0.421 (0.055) \*\*\* |  0.052 (0.739)  |  0.397 (0.089) \*\*\* |
| Works for pay | - 0.225 (0.085) \*\* |  0.324 (0.071) \*\*\* | - 0.663 (0.852)  |  0.246 (0.106) \*\* |
| Youngest child (ref: 0-2) |  |  |  |  |
|  3-5 |  0.023 (0.073)  |  0.109 (0.065) ~ | - 0.257 (0.817)  |  0.044 (0.095)  |
|  6-10 | - 0.064 (0.079)  | - 0.101 (0.070)  | - 0.531 (1.064)  | - 0.156 (0.114)  |
|  11-14 | - 0.235 (0.111) \* | - 0.588 (0.092) \*\*\* | - 0.297 (1.494)  | - 0.666 (0.165) \*\*\* |
| Proximity (ref: same building) |  |  |  |  |
|  Within 5km | - 0.074 (0.159)  | - 0.379 (0.126) \*\* |  0.274 (2.000)  | - 0.239 (0.200)  |
|  5-25km | - 0.270 (0.176)  | - 0.836 (0.130) \*\*\* |  1.324 (2.078)  | - 0.717 (0.205) \*\*\* |
|  Farther than 25km | - 0.430 (0.213) \* | - 1.862 (0.135) \*\*\* | - 0.041 (2.137)  | - 1.669 (0.209) \*\*\* |
|  |  |  |  |  |
| n (grandparents) | 7,393 | 3,298 |
| n (dyads)  | 11,092 | 4,735 |
|  |  |  |  |  |
| Correlation (ρ)  | 0.130 (p = 0.421) | 0.108 (p = 0.131) |

\*\*\* p <0.001; \*\* p<0.01; \* p<0.05; ~ p<0.10

**Table SA2c.** Predictive margins from the recursive bivariate model for a) the probability of being employed and b) weekly working hours by daily grandchild care provision with corresponding Average Marginal Effects (AME), over country groups and separately by sex.

|  |  |  |
| --- | --- | --- |
|  | **Grandmothers** | **Grandfathers** |
| **Country group** | **Pr(employment)** | **Weekly hours** | **Pr(employment)** | **Weekly hours** |
|  |  |  |  |  |
| **Optional de-familisation** |
| Daily GC care: no |  0.427 (0.050) |  29.24 (0.958) |  0.395 (0.013) |  40.88 (0.559) |
| Daily GC care: yes |  0.344 (0.139) |  49.04 (2.420) |  0.362 (0.046) |  36.35 (2.169) |
| AME | **- 0.084 (0.188)** |  **19.81 (3.017) \*\*\*** | **- 0.033 (0.055)** | **- 4.532 (2.456) ~** |
| **Service de-familisation** |  |  |  |
| Daily GC care: no |  0.311 (0.066) |  24.69 (1.433) |  0.359 (0.020) |  39.31 (1.234) |
| Daily GC care: yes |  0.216 (0.089) |  41.11 (2.687) |  0.304 (0.041) |  36.99 (2.234) |
| AME  | **- 0.095 (0.153)** |  **16.42 (3.554) \*\*\*** | **- 0.055 (0.057)** | **- 2.316 (2.794)** |
| **Supported familism** |  |  |  |  |
| Daily GC care: no |  0.386 (0.063) |  27.58 (1.198) |  0.448 (0.018) |  40.19 (0.751) |
| Daily GC care: yes |  0.297 (0.112) |  41.28 (2.421) |  0.384 (0.042) |  36.73 (2.233) |
| AME  | **- 0.089 (0.174)** |  **13.70 (3.122) \*\*\*** | **- 0.063 (0.056)** | **- 3.464 (2.598)** |
| **Familism by default** |  |  |  |  |
| Daily GC care: no |  0.267 (0.081) |  28.52 (1.917) |  0.324 (0.025) |  43.42 (1.246) |
| Daily GC care: yes |  0.198 (0.070) |  44.96 (1.920) |  0.213 (0.033) |  40.38 (2.715) |
| AME  | **- 0.069 (0.148)** |  **16.44 (3.334) \*\*\*** | **- 0.110 (0.052) \*** | **- 3.036 (3.184)** |
|  |  |  |  |  |
| n (grandparents) |  10,733 |  3,993 |  7,040 |  3,116 |
| n (dyads)  |  16,357 |  5,739 |  10,591  |  4,474 |

\*\*\* p <0.001; \*\* p<0.01; \* p<0.05; ~ p<0.10