**Online Supplement**

**Appendix 2 – Results Tables**

**Table A2.1 Summary statistics of cohorts**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1970 | Cohort |  |  | 1958 | Cohort |  |  | 1946 | Cohort |
|  | Age | 38 |  | 42 |  | 50 |  | 55 |  | 62 |  |
|  |  | Only | Sibling | Only | Sibling | Only | Sibling | Only | Sibling | Only | Sibling |
|  |  | % | % | % | % | % | % | % | % | % | % |
| Sex | Men | 49.6 | 51.5 |  |  | 50.7 | 51.7 |  |  | 53.8 | 53.8 |
|  | Women | 50.4 | 48.5 |  |  | 49.3 | 48.3 |  |  | 46.2 | 44.6 |
| Moved since childhood | Same region | 74.4 | 75.9 | 74.9 | 75.4 | 75.3 | 73.1 | 72.9 | 72.2 | 58.4 | 59.1 |
|  | Different region | 25.6 | 24.1 | 25.1 | 24.6 | 24.7 | 26.9 | 27.1 | 27.8 | 41.6 | 40.9 |
| Parent alive | Both | 62.3 | 67.0 | 59.4 | 64.6 | 32.8 | 38.2 | 25.7 | 27.9 | 19.6 | 8.4 |
|  | Mother | 22.6 | 20.5 | 31.5 | 26.7 | 48.3 | 47.0 | 52.9 | 54.7 | 65.6 | 75.5 |
|  | Father | 15.1 | 12.5 | 9.1 | 8.7 | 18.9 | 14.8 | 21.4 | 17.4 | 14.8 | 16.1 |
| Co-reside with parent | No | 91.3 | 92.6 | 92.2 | 93.7 | 93.1 | 95.6 | 90.3 | 95.4 |  |  |
|  | Yes | 8.7 | 7.4 | 7.8 | 6.3 | 6.9 | 4.4 | 9.7 | 4.6 |  |  |
| Mother's age at birth | <=24 | 57.0 | 44.1 |  |  | 36.6 | 45.0 |  |  | 36.2 | 33.0 |
|  | 25-29 | 25.0 | 31.5 |  |  | 35.2 | 34.1 |  |  | 35.9 | 32.6 |
|  | 30-34 | 10.9 | 15.8 |  |  | 19.5 | 18.2 |  |  | 17.6 | 23.0 |
|  | 35+ | 7.0 | 8.6 |  |  | 8.7 | 8.8 |  |  | 10.2 | 11.5 |
| Mother's age at birth | (mean) | 24.56 | 26.10 |  |  | 26.74 | 26.60 |  |  |  |  |
|  | Total (row %) | 9.8 | 90.2 |  |  | 7.4 | 92.6 |  |  | 14.9 | 85.1 |
| *Observations* |  | *1,677* | *15,578* | *1,574* | *15,129* | *940* | *11,835* | *811* | *10,528* | *355* | *2,009* |
| *Note: MI estimates on 50 imputed datasets; sample excludes individuals with both parents known to have died. The minor within-cohort age differences may be due to changing sample composition (sample inclusion criteria is having at least one surviving parent), as well as individual changes over time.* | | | | | | | | | | | |

**Table A2.2 Percentage reporting doing each task for a parent regularly or frequently, by sibling status**

|  |  | 1970 | cohort |  |  | 1958 | cohort |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 38 |  | 42 |  | 50 |  | 55 |  |
|  | Only | Sibling | Only | Sibling | Only | Sibling | Only | Sibling |
|  | % | % | % | % | % | % | % | % |
| Lifts in car | 28.0 | 26.7 | 34.4 | 33.3 | 42.1 | 34.7 | 58.5 | 44.7 |
| Shopping for them | 20.8 | 19.5 | 25.6 | 25.5 | 37.2 | 29.5 | 53.8 | 38.6 |
| Providing/ cooking meals | 14.5 | 11.8 | 17.0 | 15.4 | 17.9 | 15.2 | 27.9 | 23.0 |
| Helps with basic personal needs | 3.6 | 2.9 | 3.9 | 4.1 | 5.1 | 5.3 | 11.0 | 9.4 |
| Washing, ironing or cleaning | 8.1 | 7.6 | 10.0 | 9.4 | 12.3 | 10.0 | 23.7 | 17.6 |
| Personal Affairs | 11.9 | 11.3 | 19.4 | 18.5 | 35.1 | 23.5 | 43.8 | 29.7 |
| Decorating, gardening or repairs | 18.9 | 18.5 | 31.0 | 27.9 | 34.6 | 29.3 | 41.5 | 34.8 |
| Financial help | 6.9 | 7.2 |  |  | 13.8 | 7.5 | 15.5 | 10.8 |
| Other help | 1.7 | 2.8 | 14.6 | 14.6 | 11.1 | 10.4 | 10.8 | 10.8 |
| *Observations* | *1,677* | *15,578* | *1,574* | *15,129* | *940* | *11,835* | *811* | *10,528* |
| *Note: MI estimates on 50 imputed datasets; sample excludes individuals with both parents known to have died.* | | | | | | | | |

**Table A2.3 Multinomial and Binary Regression: Parent care provision**

|  | Multinomial logistic regression - Base category: No help | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Unadjusted | | | | | | | | Fully adjusted | | | | | | | |
| **1970 Age 38** | Helper |  |  |  | Carer |  |  |  | Helper |  |  |  | Carer |  |  |  |
|  | RRR | SE | p | 95% CI | RRR | SE | p | 95% CI | RRR | SE | p | 95% CI | RRR | SE | p | 95% CI |
| Only Child (Ref=Sibling) | 0.84 | 0.10 | 0.15 | 0.66 - 1.07 | 1.20 | 0.14 | 0.11 | 0.96 - 1.50 | 0.92 | 0.12 | 0.49 | 0.71 - 1.18 | 1.27 | 0.16 | 0.06 | 0.99 - 1.64 |
| Female (Ref=Male) |  |  |  |  |  |  |  |  | 1.01 | 0.06 | 0.91 | 0.90 - 1.12 | 1.73 | 0.15 | 0.00 | 1.45 - 2.06 |
| Mother’s age |  |  |  |  |  |  |  |  | 1.04 | 0.01 | 0.00 | 1.03 - 1.05 | 1.05 | 0.01 | 0.00 | 1.03 - 1.06 |
| Parental social: II (Ref: I) |  |  |  |  |  |  |  |  | 1.32 | 0.22 | 0.09 | 0.96 - 1.82 | 1.27 | 0.25 | 0.24 | 0.86 - 1.88 |
| III non-manual |  |  |  |  |  |  |  |  | 1.54 | 0.26 | 0.01 | 1.11 - 2.13 | 1.28 | 0.27 | 0.24 | 0.85 - 1.94 |
| IV manual |  |  |  |  |  |  |  |  | 1.68 | 0.26 | 0.00 | 1.24 - 2.28 | 1.61 | 0.32 | 0.02 | 1.09 - 2.36 |
| V |  |  |  |  |  |  |  |  | 1.99 | 0.34 | 0.00 | 1.43 - 2.77 | 1.81 | 0.37 | 0.00 | 1.20 - 2.71 |
| VI |  |  |  |  |  |  |  |  | 2.47 | 0.49 | 0.00 | 1.67 - 3.63 | 2.66 | 0.70 | 0.00 | 1.59 - 4.45 |
| Not available/ Unemp. |  |  |  |  |  |  |  |  | 2.35 | 1.19 | 0.09 | 0.87 - 6.34 | 2.02 | 1.04 | 0.17 | 0.73 - 5.56 |
| Mother stayed in school (Ref: Left) |  |  |  |  |  |  |  |  | 0.75 | 0.04 | 0.00 | 0.66 - 0.84 | 0.73 | 0.06 | 0.00 | 0.62 - 0.86 |
| Parental separation (Ref: No) |  |  |  |  |  |  |  |  | 1.02 | 0.07 | 0.77 | 0.90 - 1.16 | 1.12 | 0.10 | 0.22 | 0.93 - 1.34 |
| Own Highest NVQ Level: NVQ1 level (Ref: No qual.) |  |  |  |  |  |  |  |  | 1.10 | 0.16 | 0.51 | 0.83 - 1.45 | 1.08 | 0.20 | 0.67 | 0.75 - 1.57 |
| NVQ2 level |  |  |  |  |  |  |  |  | 1.08 | 0.13 | 0.53 | 0.85 - 1.35 | 1.15 | 0.17 | 0.34 | 0.86 - 1.54 |
| NVQ3 level |  |  |  |  |  |  |  |  | 1.07 | 0.14 | 0.61 | 0.83 - 1.38 | 1.12 | 0.19 | 0.52 | 0.79 - 1.57 |
| NVQ4 level |  |  |  |  |  |  |  |  | 1.01 | 0.13 | 0.92 | 0.79 - 1.30 | 1.13 | 0.18 | 0.46 | 0.82 - 1.55 |
| NVQ5 level |  |  |  |  |  |  |  |  | 0.78 | 0.13 | 0.14 | 0.56 - 1.09 | 1.02 | 0.21 | 0.93 | 0.68 - 1.53 |
| Own occupation: Professionals (Ref: Managers) |  |  |  |  |  |  |  |  | 0.90 | 0.10 | 0.35 | 0.72 - 1.12 | 0.85 | 0.13 | 0.29 | 0.63 - 1.15 |
| Associate prof. & technical |  |  |  |  |  |  |  |  | 0.92 | 0.08 | 0.36 | 0.77 - 1.10 | 0.85 | 0.10 | 0.17 | 0.67 - 1.07 |
| Administrative & secretarial |  |  |  |  |  |  |  |  | 1.01 | 0.10 | 0.94 | 0.83 - 1.23 | 1.07 | 0.14 | 0.59 | 0.84 - 1.37 |
| Skilled trades |  |  |  |  |  |  |  |  | 1.26 | 0.13 | 0.03 | 1.03 - 1.55 | 1.13 | 0.18 | 0.46 | 0.82 - 1.55 |
| Personal services |  |  |  |  |  |  |  |  | 0.99 | 0.11 | 0.91 | 0.79 - 1.24 | 1.20 | 0.17 | 0.20 | 0.91 - 1.59 |
| Sales & customer services |  |  |  |  |  |  |  |  | 1.05 | 0.16 | 0.75 | 0.78 - 1.41 | 1.60 | 0.30 | 0.01 | 1.10 - 2.31 |
| Process, plant & machine |  |  |  |  |  |  |  |  | 1.31 | 0.16 | 0.03 | 1.03 - 1.67 | 1.39 | 0.21 | 0.03 | 1.04 - 1.88 |
| Elementary operations |  |  |  |  |  |  |  |  | 1.10 | 0.14 | 0.49 | 0.85 - 1.42 | 1.07 | 0.18 | 0.69 | 0.77 - 1.49 |
| Marital status: Cohabiting (Ref: Married) |  |  |  |  |  |  |  |  | 1.10 | 0.08 | 0.21 | 0.95 - 1.28 | 1.00 | 0.11 | 0.98 | 0.81 - 1.23 |
| Not living with a partner |  |  |  |  |  |  |  |  | 1.19 | 0.08 | 0.01 | 1.05 - 1.36 | 1.82 | 0.15 | 0.00 | 1.55 - 2.13 |
| Region different than age 10 (Ref=Same) |  |  |  |  |  |  |  |  | 0.48 | 0.03 | 0.00 | 0.42 - 0.55 | 0.43 | 0.04 | 0.00 | 0.36 - 0.52 |
| Which parent alive = Mother (Ref: Both) |  |  |  |  |  |  |  |  | 1.93 | 0.16 | 0.00 | 1.65 - 2.27 | 2.70 | 0.26 | 0.00 | 2.23 - 3.27 |
| Father |  |  |  |  |  |  |  |  | 0.96 | 0.09 | 0.68 | 0.80 - 1.16 | 4.20 | 0.44 | 0.00 | 3.42 - 5.16 |
| Constant | 0.39 | 0.01 | 0.00 | 0.36 - 0.41 | 0.23 | 0.01 | 0.00 | 0.21 - 0.24 | 0.08 | 0.02 | 0.00 | 0.05 - 0.13 | 0.02 | 0.01 | 0.00 | 0.01 - 0.03 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Observations | 17,255 |  |  |  |  |  |  |  | 17,255 |  |  |  |  |  |  |  |

|  | Multinomial logistic regression - Base category: No help | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Unadjusted | | | | | | | | Fully adjusted | | | | | | | |
| **1970 Age 42** | Helper |  |  |  | Carer |  |  |  | Helper |  |  |  | Carer |  |  |  |
|  | RRR | SE | p | 95% CI | RRR | SE | p | 95% CI | RRR | SE | p | 95% CI | RRR | SE | p | 95% CI |
| Only Child (Ref=Sibling) | 1.11 | 0.11 | 0.27 | 0.92 - 1.35 | 1.17 | 0.13 | 0.16 | 0.94 - 1.45 | 1.21 | 0.12 | 0.05 | 1.00 - 1.46 | 1.30 | 0.15 | 0.02 | 1.03 - 1.63 |
| Female (Ref=Male) |  |  |  |  |  |  |  |  | 0.82 | 0.05 | 0.00 | 0.73 - 0.92 | 1.34 | 0.10 | 0.00 | 1.16 - 1.56 |
| Mother’s age |  |  |  |  |  |  |  |  | 1.04 | 0.01 | 0.00 | 1.03 - 1.05 | 1.06 | 0.01 | 0.00 | 1.05 - 1.07 |
| Parental social: II (Ref: I) |  |  |  |  |  |  |  |  | 1.15 | 0.17 | 0.32 | 0.87 - 1.53 | 1.22 | 0.21 | 0.25 | 0.87 - 1.71 |
| III non-manual |  |  |  |  |  |  |  |  | 1.37 | 0.19 | 0.02 | 1.05 - 1.80 | 1.19 | 0.21 | 0.33 | 0.84 - 1.70 |
| IV manual |  |  |  |  |  |  |  |  | 1.45 | 0.19 | 0.00 | 1.13 - 1.87 | 1.55 | 0.25 | 0.01 | 1.13 - 2.12 |
| V |  |  |  |  |  |  |  |  | 1.62 | 0.23 | 0.00 | 1.23 - 2.15 | 1.94 | 0.33 | 0.00 | 1.39 - 2.71 |
| VI |  |  |  |  |  |  |  |  | 1.66 | 0.30 | 0.01 | 1.16 - 2.37 | 2.56 | 0.52 | 0.00 | 1.72 - 3.82 |
| Not available/ Unemp. |  |  |  |  |  |  |  |  | 1.93 | 0.84 | 0.13 | 0.82 - 4.52 | 3.41 | 1.59 | 0.01 | 1.37 - 8.49 |
| Mother stayed in school (Ref: Left) |  |  |  |  |  |  |  |  | 0.76 | 0.04 | 0.00 | 0.68 - 0.85 | 0.81 | 0.06 | 0.00 | 0.71 - 0.93 |
| Parental separation (Ref: No) |  |  |  |  |  |  |  |  | 1.12 | 0.07 | 0.09 | 0.98 - 1.27 | 1.05 | 0.07 | 0.44 | 0.92 - 1.21 |
| Own Highest NVQ Level: NVQ1 level (Ref: No qual.) |  |  |  |  |  |  |  |  | 1.27 | 0.19 | 0.12 | 0.94 - 1.70 | 0.88 | 0.15 | 0.46 | 0.64 - 1.22 |
| NVQ2 level |  |  |  |  |  |  |  |  | 1.36 | 0.17 | 0.01 | 1.07 - 1.73 | 0.95 | 0.12 | 0.68 | 0.73 - 1.23 |
| NVQ3 level |  |  |  |  |  |  |  |  | 1.37 | 0.18 | 0.01 | 1.07 - 1.77 | 1.09 | 0.16 | 0.56 | 0.82 - 1.44 |
| NVQ4 level |  |  |  |  |  |  |  |  | 1.18 | 0.14 | 0.15 | 0.94 - 1.49 | 0.84 | 0.11 | 0.21 | 0.65 - 1.10 |
| NVQ5 level |  |  |  |  |  |  |  |  | 0.95 | 0.14 | 0.73 | 0.71 - 1.27 | 0.81 | 0.15 | 0.24 | 0.56 - 1.15 |
| Own occupation: Professionals (Ref: Managers) |  |  |  |  |  |  |  |  | 1.08 | 0.11 | 0.46 | 0.89 - 1.31 | 0.97 | 0.12 | 0.81 | 0.76 - 1.24 |
| Associate prof. & technical |  |  |  |  |  |  |  |  | 1.04 | 0.08 | 0.61 | 0.89 - 1.22 | 0.98 | 0.10 | 0.85 | 0.81 - 1.19 |
| Administrative & secretarial |  |  |  |  |  |  |  |  | 1.06 | 0.10 | 0.54 | 0.88 - 1.26 | 1.03 | 0.12 | 0.82 | 0.81 - 1.30 |
| Skilled trades |  |  |  |  |  |  |  |  | 1.40 | 0.13 | 0.00 | 1.16 - 1.69 | 1.16 | 0.13 | 0.18 | 0.93 - 1.45 |
| Personal services |  |  |  |  |  |  |  |  | 0.88 | 0.10 | 0.24 | 0.71 - 1.09 | 1.19 | 0.15 | 0.16 | 0.94 - 1.52 |
| Sales & customer services |  |  |  |  |  |  |  |  | 1.31 | 0.16 | 0.03 | 1.03 - 1.65 | 1.28 | 0.20 | 0.11 | 0.95 - 1.74 |
| Process, plant & machine |  |  |  |  |  |  |  |  | 1.53 | 0.18 | 0.00 | 1.21 - 1.92 | 1.59 | 0.26 | 0.00 | 1.16 - 2.20 |
| Elementary operations |  |  |  |  |  |  |  |  | 1.31 | 0.17 | 0.03 | 1.03 - 1.68 | 1.32 | 0.18 | 0.04 | 1.01 - 1.72 |
| Marital status: Cohabiting (Ref: Married) |  |  |  |  |  |  |  |  | 1.03 | 0.08 | 0.73 | 0.88 - 1.20 | 1.00 | 0.10 | 0.99 | 0.83 - 1.21 |
| Not living with a partner |  |  |  |  |  |  |  |  | 0.85 | 0.05 | 0.01 | 0.75 - 0.96 | 1.22 | 0.08 | 0.00 | 1.07 - 1.39 |
| Region different than age 10 (Ref=Same) |  |  |  |  |  |  |  |  | 0.56 | 0.04 | 0.00 | 0.50 - 0.64 | 0.54 | 0.04 | 0.00 | 0.46 - 0.62 |
| Which parent alive = Mother (Ref: Both) |  |  |  |  |  |  |  |  | 1.60 | 0.10 | 0.00 | 1.43 - 1.80 | 1.72 | 0.12 | 0.00 | 1.50 - 1.98 |
| Father |  |  |  |  |  |  |  |  | 0.71 | 0.07 | 0.00 | 0.58 - 0.87 | 1.30 | 0.12 | 0.01 | 1.08 - 1.56 |
| Constant | 0.65 | 0.02 | 0.00 | 0.62 - 0.69 | 0.38 | 0.01 | 0.00 | 0.36 - 0.41 | 0.16 | 0.04 | 0.00 | 0.10 - 0.25 | 0.04 | 0.01 | 0.00 | 0.02 - 0.06 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Observations | 16,703 |  |  |  |  |  |  |  | 16,703 |  |  |  |  |  |  |  |

|  | Multinomial logistic regression - Base category: No help | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Unadjusted | | | | | | | | Fully adjusted | | | | | | | |
| **1958 Age 50** | Helper |  |  |  | Carer |  |  |  | Helper |  |  |  | Carer |  |  |  |
|  | RRR | SE | p | 95% CI | RRR | SE | p | 95% CI | RRR | SE | p | 95% CI | RRR | SE | p | 95% CI |
| Only Child (Ref=Sibling) | 1.48 | 0.14 | 0 | 1.23 - 1.80 | 1.41 | 0.19 | 0.01 | 1.08 - 1.84 | 1.57 | 0.16 | 0 | 1.28 - 1.93 | 1.45 | 0.21 | 0.01 | 1.09 - 1.93 |
| Female (Ref=Male) |  |  |  |  |  |  |  |  | 0.8 | 0.05 | 0 | 0.70 - 0.91 | 2.12 | 0.19 | 0 | 1.79 - 2.52 |
| Mother’s age |  |  |  |  |  |  |  |  | 1.05 | 0.01 | 0 | 1.04 - 1.07 | 1.12 | 0.01 | 0 | 1.11 - 1.14 |
| Parental social: II (Ref: I) |  |  |  |  |  |  |  |  | 1.19 | 0.18 | 0.26 | 0.88 - 1.61 | 0.93 | 0.19 | 0.71 | 0.63 - 1.38 |
| III non-manual |  |  |  |  |  |  |  |  | 1.53 | 0.24 | 0.01 | 1.12 - 2.09 | 0.97 | 0.2 | 0.88 | 0.65 - 1.45 |
| IV manual |  |  |  |  |  |  |  |  | 1.5 | 0.23 | 0.01 | 1.12 - 2.02 | 1.24 | 0.24 | 0.26 | 0.85 - 1.80 |
| V |  |  |  |  |  |  |  |  | 1.56 | 0.27 | 0.01 | 1.11 - 2.17 | 1.31 | 0.29 | 0.22 | 0.85 - 2.03 |
| VI |  |  |  |  |  |  |  |  | 1.8 | 0.33 | 0 | 1.26 - 2.57 | 1.85 | 0.42 | 0.01 | 1.18 - 2.90 |
| Mother stayed in school (Ref: Left) |  |  |  |  |  |  |  |  | 0.87 | 0.06 | 0.03 | 0.76 - 0.99 | 0.81 | 0.07 | 0.01 | 0.69 - 0.95 |
| Parental separation (Ref: No) |  |  |  |  |  |  |  |  | 0.55 | 0.07 | 0 | 0.43 - 0.69 | 0.69 | 0.12 | 0.03 | 0.50 - 0.96 |
| Own Highest NVQ Level: NVQ1 level (Ref: No qual.) |  |  |  |  |  |  |  |  | 1.06 | 0.15 | 0.67 | 0.81 - 1.39 | 1.12 | 0.18 | 0.47 | 0.82 - 1.54 |
| NVQ2 level |  |  |  |  |  |  |  |  | 1.07 | 0.13 | 0.59 | 0.84 - 1.35 | 1.11 | 0.15 | 0.43 | 0.85 - 1.45 |
| NVQ3 level |  |  |  |  |  |  |  |  | 1.23 | 0.16 | 0.1 | 0.96 - 1.58 | 1.05 | 0.18 | 0.79 | 0.75 - 1.46 |
| NVQ4 level |  |  |  |  |  |  |  |  | 1.06 | 0.13 | 0.63 | 0.83 - 1.36 | 1.02 | 0.16 | 0.9 | 0.74 - 1.40 |
| NVQ5 level |  |  |  |  |  |  |  |  | 1.08 | 0.19 | 0.68 | 0.76 - 1.52 | 1.05 | 0.24 | 0.83 | 0.67 - 1.65 |
| Own occupation: Professionals (Ref: Managers) |  |  |  |  |  |  |  |  | 0.99 | 0.11 | 0.93 | 0.79 - 1.24 | 1.07 | 0.15 | 0.65 | 0.81 - 1.41 |
| Associate prof. & technical |  |  |  |  |  |  |  |  | 0.83 | 0.1 | 0.13 | 0.65 - 1.06 | 0.89 | 0.13 | 0.41 | 0.67 - 1.18 |
| Administrative & secretarial |  |  |  |  |  |  |  |  | 1.11 | 0.11 | 0.32 | 0.91 - 1.35 | 1 | 0.13 | 0.98 | 0.79 - 1.28 |
| Skilled trades |  |  |  |  |  |  |  |  | 0.99 | 0.11 | 0.93 | 0.80 - 1.22 | 0.97 | 0.14 | 0.83 | 0.73 - 1.29 |
| Personal services |  |  |  |  |  |  |  |  | 0.98 | 0.13 | 0.9 | 0.77 - 1.27 | 1.14 | 0.16 | 0.36 | 0.87 - 1.49 |
| Sales & customer services |  |  |  |  |  |  |  |  | 0.95 | 0.14 | 0.72 | 0.71 - 1.26 | 0.98 | 0.17 | 0.89 | 0.69 - 1.38 |
| Process, plant & machine |  |  |  |  |  |  |  |  | 1.04 | 0.14 | 0.74 | 0.80 - 1.36 | 1.21 | 0.21 | 0.27 | 0.86 - 1.71 |
| Elementary operations |  |  |  |  |  |  |  |  | 1.15 | 0.18 | 0.37 | 0.84 - 1.57 | 1.13 | 0.21 | 0.52 | 0.78 - 1.63 |
| Marital status: Cohabiting (Ref: Married) |  |  |  |  |  |  |  |  | 0.92 | 0.09 | 0.37 | 0.76 - 1.11 | 0.7 | 0.09 | 0.01 | 0.54 - 0.90 |
| Not living with a partner |  |  |  |  |  |  |  |  | 0.94 | 0.07 | 0.43 | 0.81 - 1.09 | 1.31 | 0.11 | 0 | 1.10 - 1.55 |
| Region different than age 10 (Ref=Same) |  |  |  |  |  |  |  |  | 0.41 | 0.03 | 0 | 0.35 - 0.47 | 0.36 | 0.03 | 0 | 0.30 - 0.43 |
| Which parent alive = Mother (Ref: Both) |  |  |  |  |  |  |  |  | 1.79 | 0.11 | 0 | 1.59 - 2.01 | 1.93 | 0.16 | 0 | 1.64 - 2.26 |
| Father |  |  |  |  |  |  |  |  | 0.54 | 0.06 | 0 | 0.45 - 0.66 | 1.12 | 0.11 | 0.27 | 0.92 - 1.35 |
| Constant | 0.84 | 0.02 | 0 | 0.80 - 0.89 | 0.44 | 0.01 | 0 | 0.41 - 0.47 | 0.18 | 0.05 | 0 | 0.11 - 0.32 | 0.01 | 0 | 0 | 0.01 - 0.02 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Observations | 12,775 |  |  |  | 12,775 |  |  |  | 12,775 |  |  |  | 12,775 |  |  |  |

|  | Multinomial logistic regression - Base category: No help | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Unadjusted | | | | | | | | Fully adjusted | | | | | | | |
| **1958 Age 55** | Helper |  |  |  | Carer |  |  |  | Helper |  |  |  | Carer |  |  |  |
|  | RRR | SE | p | 95% CI | RRR | SE | p | 95% CI | RRR | SE | p | 95% CI | RRR | SE | p | 95% CI |
| Only Child (Ref=Sibling) | 1.47 | 0.21 | 0.01 | 1.12 - 1.94 | 1.57 | 0.21 | 0.00 | 1.21 - 2.04 | 1.63 | 0.24 | 0.00 | 1.22 - 2.16 | 1.78 | 0.26 | 0.00 | 1.34 - 2.36 |
| Female (Ref=Male) |  |  |  |  |  |  |  |  | 0.90 | 0.07 | 0.21 | 0.77 - 1.06 | 2.04 | 0.19 | 0.00 | 1.71 - 2.45 |
| Mother’s age |  |  |  |  |  |  |  |  | 1.05 | 0.01 | 0.00 | 1.03 - 1.06 | 1.12 | 0.01 | 0.00 | 1.11 - 1.14 |
| Parental social class: II (Ref: I) |  |  |  |  |  |  |  |  | 1.16 | 0.19 | 0.37 | 0.84 - 1.59 | 1.24 | 0.25 | 0.29 | 0.83 - 1.83 |
| III non-manual |  |  |  |  |  |  |  |  | 1.08 | 0.19 | 0.67 | 0.76 - 1.51 | 1.23 | 0.25 | 0.31 | 0.83 - 1.83 |
| IV manual |  |  |  |  |  |  |  |  | 1.23 | 0.20 | 0.21 | 0.89 - 1.70 | 1.52 | 0.30 | 0.03 | 1.03 - 2.22 |
| V |  |  |  |  |  |  |  |  | 1.15 | 0.23 | 0.49 | 0.77 - 1.70 | 1.42 | 0.31 | 0.11 | 0.93 - 2.17 |
| VI |  |  |  |  |  |  |  |  | 1.27 | 0.26 | 0.24 | 0.85 - 1.90 | 1.90 | 0.45 | 0.01 | 1.20 - 3.01 |
| Mother stayed in school (Ref: Left) |  |  |  |  |  |  |  |  | 0.92 | 0.07 | 0.31 | 0.79 - 1.07 | 0.93 | 0.09 | 0.49 | 0.77 - 1.13 |
| Parental separation (Ref: No) |  |  |  |  |  |  |  |  | 0.41 | 0.07 | 0.00 | 0.29 - 0.57 | 0.44 | 0.08 | 0.00 | 0.31 - 0.63 |
| Own Highest NVQ Level: NVQ1 level (Ref: No qual.) |  |  |  |  |  |  |  |  | 0.87 | 0.14 | 0.40 | 0.63 - 1.20 | 0.73 | 0.13 | 0.07 | 0.51 - 1.03 |
| NVQ2 level |  |  |  |  |  |  |  |  | 0.99 | 0.15 | 0.92 | 0.73 - 1.33 | 0.80 | 0.13 | 0.18 | 0.59 - 1.10 |
| NVQ3 level |  |  |  |  |  |  |  |  | 1.05 | 0.15 | 0.76 | 0.78 - 1.39 | 0.88 | 0.16 | 0.50 | 0.62 - 1.26 |
| NVQ4 level |  |  |  |  |  |  |  |  | 1.06 | 0.16 | 0.68 | 0.79 - 1.44 | 0.74 | 0.13 | 0.08 | 0.52 - 1.04 |
| NVQ5 level |  |  |  |  |  |  |  |  | 1.12 | 0.23 | 0.57 | 0.76 - 1.66 | 0.74 | 0.17 | 0.19 | 0.47 - 1.16 |
| Own occupation: Professionals (Ref: Managers) |  |  |  |  |  |  |  |  | 0.81 | 0.10 | 0.09 | 0.64 - 1.03 | 0.92 | 0.15 | 0.61 | 0.67 - 1.27 |
| Associate prof. & technical |  |  |  |  |  |  |  |  | 0.66 | 0.09 | 0.00 | 0.51 - 0.85 | 0.87 | 0.14 | 0.37 | 0.64 - 1.18 |
| Administrative & secretarial |  |  |  |  |  |  |  |  | 1.02 | 0.15 | 0.87 | 0.77 - 1.35 | 1.02 | 0.14 | 0.87 | 0.79 - 1.33 |
| Skilled trades |  |  |  |  |  |  |  |  | 1.29 | 0.17 | 0.05 | 1.00 - 1.66 | 1.33 | 0.21 | 0.07 | 0.98 - 1.82 |
| Personal services |  |  |  |  |  |  |  |  | 0.78 | 0.11 | 0.07 | 0.59 - 1.02 | 0.86 | 0.12 | 0.27 | 0.65 - 1.13 |
| Sales & customer services |  |  |  |  |  |  |  |  | 1.10 | 0.20 | 0.61 | 0.77 - 1.56 | 1.15 | 0.22 | 0.47 | 0.79 - 1.68 |
| Process, plant & machine |  |  |  |  |  |  |  |  | 1.21 | 0.21 | 0.27 | 0.86 - 1.70 | 1.24 | 0.27 | 0.32 | 0.81 - 1.91 |
| Elementary operations |  |  |  |  |  |  |  |  | 0.81 | 0.15 | 0.28 | 0.56 - 1.18 | 0.93 | 0.17 | 0.69 | 0.64 - 1.34 |
| Marital status: Cohabiting (Ref: Married) |  |  |  |  |  |  |  |  | 0.95 | 0.11 | 0.62 | 0.76 - 1.18 | 0.87 | 0.11 | 0.26 | 0.69 - 1.11 |
| Not living with a partner |  |  |  |  |  |  |  |  | 0.81 | 0.07 | 0.02 | 0.68 - 0.97 | 1.41 | 0.12 | 0.00 | 1.20 - 1.67 |
| Region different than age 10 (Ref=Same) |  |  |  |  |  |  |  |  | 0.53 | 0.04 | 0.00 | 0.46 - 0.61 | 0.35 | 0.03 | 0.00 | 0.30 - 0.41 |
| Which parent alive = Mother (Ref: Both) |  |  |  |  |  |  |  |  | 1.54 | 0.12 | 0.00 | 1.33 - 1.79 | 1.71 | 0.15 | 0.00 | 1.43 - 2.03 |
| Father |  |  |  |  |  |  |  |  | 0.55 | 0.06 | 0.00 | 0.45 - 0.68 | 0.91 | 0.10 | 0.42 | 0.73 - 1.14 |
| Constant | 1.02 | 0.03 | 0.59 | 0.96 - 1.08 | 0.79 | 0.03 | 0.00 | 0.74 - 0.85 | 0.35 | 0.11 | 0.00 | 0.19 - 0.64 | 0.02 | 0.01 | 0.00 | 0.01 - 0.05 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Observations | 11,339 |  |  |  | 11,339 |  |  |  | 11,339 |  |  |  | 11,339 |  |  |  |

|  | Binary logistic regression - Base category: No parent care | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1946 Age 63** | Unadjusted | | | | Fully adjusted | | | |
|  | OR | SE | p | 95% CI | OR | SE | p | 95% CI |
| Only Child (Ref=Sibling) | 1.84 | 0.46 | 0.02 | 1.12 - 3.01 | 2.11 | 0.67 | 0.02 | 1.13 - 3.93 |
| Female (Ref=Male) |  |  |  |  | 2.66 | 0.52 | 0.00 | 1.80 - 3.91 |
| Mother's age at birth = 25-29 (Ref: <25) |  |  |  |  | 1.57 | 0.36 | 0.05 | 0.99 - 2.47 |
| 30-34 |  |  |  |  | 1.20 | 0.44 | 0.61 | 0.59 - 2.45 |
| 35+ |  |  |  |  | 0.39 | 0.32 | 0.25 | 0.08 - 1.95 |
| Parental social class: II (Ref: I) |  |  |  |  | 0.87 | 0.31 | 0.69 | 0.44 - 1.74 |
| III non-manual |  |  |  |  | 0.98 | 0.32 | 0.96 | 0.51 - 1.88 |
| IV manual |  |  |  |  | 0.89 | 0.32 | 0.74 | 0.44 - 1.80 |
| V |  |  |  |  | 0.80 | 0.31 | 0.56 | 0.37 - 1.72 |
| VI |  |  |  |  | 0.79 | 0.39 | 0.64 | 0.30 - 2.07 |
| Not available/ Unemp. |  |  |  |  | 0.83 | 0.40 | 0.70 | 0.32 - 2.15 |
| Mother stayed in school (Ref: Left) |  |  |  |  | 0.88 | 0.20 | 0.58 | 0.56 - 1.38 |
| Parental separation (Ref: No) |  |  |  |  | 0.57 | 0.20 | 0.11 | 0.29 - 1.13 |
| Highest Qual=Up to O-level (Ref: None) |  |  |  |  | 2.15 | 0.63 | 0.01 | 1.22 - 3.82 |
| Up to A-level |  |  |  |  | 1.46 | 0.47 | 0.24 | 0.78 - 2.75 |
| Degree or above |  |  |  |  | 3.31 | 1.16 | 0.00 | 1.67 - 6.56 |
| Partnership: Cohabiting (Ref=Married) |  |  |  |  | 0.95 | 0.53 | 0.92 | 0.32 - 2.81 |
| Not living with a partner |  |  |  |  | 1.79 | 0.48 | 0.03 | 1.05 - 3.03 |
| Region different than age 11 (Ref=Same) |  |  |  |  | 0.54 | 0.11 | 0.00 | 0.36 - 0.80 |
| Parent alive = Father (Ref: Mother) |  |  |  |  | 0.37 | 0.13 | 0.00 | 0.19 - 0.73 |
| Both |  |  |  |  | 0.43 | 0.15 | 0.02 | 0.22 - 0.87 |
| Constant | 0.43 | 0.05 | 0.00 | 0.34 - 0.53 | 0.26 | 0.12 | 0.00 | 0.11 - 0.62 |
|  |  |  |  |  |  |  |  |  |
| Observations | 2,364 |  |  |  | 2,364 |  |  |  |

**Table A2.4 Hours per week spent helping/caring**

|  | Linear Regression | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1970 Age 38** | Unadjusted | | | | Fully adjusted | | | |
|  | Coef. | SE | p | 95% CI | Coef. | SE | p | 95% CI |
| Only Child (Ref=Sibling) | 0.13 | 0.35 | 0.71 | -0.55 - 0.81 | 0.08 | 0.34 | 0.81 | -0.59 - 0.76 |
| Female (Ref=Male) |  |  |  |  | 1.07 | 0.23 | 0.00 | 0.63 - 1.51 |
| Mother’s age |  |  |  |  | 0.00 | 0.02 | 0.85 | -0.04 - 0.03 |
| Parental social: II (Ref: I) |  |  |  |  | -0.18 | 0.53 | 0.74 | -1.21 - 0.86 |
| III non-manual |  |  |  |  | -0.25 | 0.56 | 0.66 | -1.35 - 0.85 |
| IV manual |  |  |  |  | -0.31 | 0.52 | 0.55 | -1.34 - 0.71 |
| V |  |  |  |  | 0.09 | 0.58 | 0.88 | -1.05 - 1.23 |
| VI |  |  |  |  | 0.19 | 0.61 | 0.75 | -1.00 - 1.38 |
| Not available/ Unemp. |  |  |  |  | -0.84 | 1.08 | 0.44 | -2.95 - 1.28 |
| Mother stayed in school (Ref: Left) |  |  |  |  | -0.32 | 0.19 | 0.10 | -0.70 - 0.06 |
| Parental separation (Ref: No) |  |  |  |  | 0.27 | 0.20 | 0.18 | -0.13 - 0.67 |
| CM Highest NVQ Level = NVQ1 level (Ref: No qualification) |  |  |  |  | -0.29 | 0.52 | 0.58 | -1.32 - 0.74 |
| NVQ2 level |  |  |  |  | 0.03 | 0.42 | 0.95 | -0.81 - 0.86 |
| NVQ3 level |  |  |  |  | -0.27 | 0.43 | 0.53 | -1.10 - 0.57 |
| NVQ4 level |  |  |  |  | -0.05 | 0.40 | 0.91 | -0.83 - 0.73 |
| NVQ5 level |  |  |  |  | 0.71 | 0.60 | 0.23 | -0.46 - 1.89 |
| Own occupation: Professionals (Ref: Managers) |  |  |  |  | -0.57 | 0.42 | 0.17 | -1.39 - 0.25 |
| Associate prof. & technical |  |  |  |  | -0.02 | 0.36 | 0.96 | -0.72 - 0.68 |
| Administrative & secretarial |  |  |  |  | -0.07 | 0.36 | 0.84 | -0.77 - 0.63 |
| Skilled trades |  |  |  |  | 0.31 | 0.38 | 0.42 | -0.44 - 1.06 |
| Personal services |  |  |  |  | 0.53 | 0.53 | 0.32 | -0.51 - 1.56 |
| Sales & customer services |  |  |  |  | 1.14 | 0.60 | 0.06 | -0.04 - 2.32 |
| Process, plant & machine |  |  |  |  | 0.87 | 0.52 | 0.09 | -0.15 - 1.89 |
| Elementary operations |  |  |  |  | 1.35 | 0.61 | 0.03 | 0.16 - 2.54 |
| Marital status: Cohabiting (Ref: Married) |  |  |  |  | -0.05 | 0.23 | 0.82 | -0.51 - 0.41 |
| Not living with a partner |  |  |  |  | 1.02 | 0.26 | 0.00 | 0.52 - 1.52 |
| Region different than age 10 (Ref=Same) |  |  |  |  | -0.35 | 0.28 | 0.21 | -0.90 - 0.19 |
| Which parent alive = Mother (Ref: Both) |  |  |  |  | 1.42 | 0.27 | 0.00 | 0.88 - 1.96 |
| Father |  |  |  |  | 2.00 | 0.46 | 0.00 | 1.10 - 2.90 |
| Constant | 3.61 | 0.10 | 0.00 | 3.41 - 3.80 | 1.97 | 0.76 | 0.01 | 0.47 - 3.46 |
|  |  |  |  |  |  |  |  |  |
| Observations | 11,702 |  |  |  | 11,702 |  |  |  |

|  | Linear Regression | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1970 Age 42** | Unadjusted | | | | Fully adjusted | | | |
|  | Coef. | SE | p | 95% CI | Coef. | SE | p | 95% CI |
| Only Child (Ref=Sibling) | 0.25 | 0.39 | 0.52 | -0.50 - 1.01 | 0.49 | 0.38 | 0.20 | -0.26 - 1.24 |
| Female (Ref=Male) |  |  |  |  | 0.95 | 0.20 | 0.00 | 0.55 - 1.35 |
| Mother’s age |  |  |  |  | 0.08 | 0.02 | 0.00 | 0.04 - 0.11 |
| Parental social: II (Ref: I) |  |  |  |  | 0.14 | 0.49 | 0.78 | -0.83 - 1.10 |
| III non-manual |  |  |  |  | -0.21 | 0.46 | 0.64 | -1.12 - 0.69 |
| IV manual |  |  |  |  | 0.34 | 0.45 | 0.45 | -0.55 - 1.22 |
| V |  |  |  |  | 0.98 | 0.48 | 0.04 | 0.05 - 1.92 |
| VI |  |  |  |  | 1.07 | 0.65 | 0.10 | -0.20 - 2.33 |
| Not available/ Unemp. |  |  |  |  | 1.55 | 1.78 | 0.38 | -1.94 - 5.05 |
| Mother stayed in school (Ref: Left) |  |  |  |  | -0.22 | 0.21 | 0.29 | -0.63 - 0.19 |
| Parental separation (Ref: No) |  |  |  |  | 0.12 | 0.21 | 0.58 | -0.30 - 0.53 |
| Own Highest NVQ Level: NVQ1 level (Ref: No qual.) |  |  |  |  | -1.47 | 0.68 | 0.03 | -2.80 - -0.15 |
| NVQ2 level |  |  |  |  | -1.51 | 0.58 | 0.01 | -2.65 - -0.36 |
| NVQ3 level |  |  |  |  | -1.76 | 0.56 | 0.00 | -2.86 - -0.65 |
| NVQ4 level |  |  |  |  | -1.52 | 0.58 | 0.01 | -2.65 - -0.39 |
| NVQ5 level |  |  |  |  | -1.76 | 0.63 | 0.01 | -3.01 - -0.52 |
| Own occupation: Professionals (Ref: Managers) |  |  |  |  | -0.22 | 0.32 | 0.49 | -0.86 - 0.41 |
| Associate prof. & technical |  |  |  |  | -0.03 | 0.29 | 0.92 | -0.59 - 0.53 |
| Administrative & secretarial |  |  |  |  | -0.35 | 0.32 | 0.27 | -0.97 - 0.27 |
| Skilled trades |  |  |  |  | 0.18 | 0.34 | 0.60 | -0.49 - 0.85 |
| Personal services |  |  |  |  | 0.71 | 0.46 | 0.12 | -0.20 - 1.61 |
| Sales & customer services |  |  |  |  | 0.55 | 0.66 | 0.40 | -0.74 - 1.84 |
| Process, plant & machine |  |  |  |  | 0.65 | 0.41 | 0.11 | -0.15 - 1.45 |
| Elementary operations |  |  |  |  | 1.60 | 0.69 | 0.02 | 0.24 - 2.96 |
| Marital status: Cohabiting (Ref: Married) |  |  |  |  | 0.16 | 0.26 | 0.54 | -0.34 - 0.66 |
| Not living with a partner |  |  |  |  | 1.29 | 0.24 | 0.00 | 0.82 - 1.77 |
| Region different than age 10 (Ref=Same) |  |  |  |  | -0.37 | 0.26 | 0.15 | -0.88 - 0.13 |
| Which parent alive = Mother (Ref: Both) |  |  |  |  | 0.83 | 0.21 | 0.00 | 0.42 - 1.23 |
| Father |  |  |  |  | 0.69 | 0.32 | 0.03 | 0.06 - 1.31 |
| Constant | 3.58 | 0.10 | 0.00 | 3.37 - 3.78 | 1.23 | 0.84 | 0.15 | -0.43 - 2.88 |
|  |  |  |  |  |  |  |  |  |
| Observations | 12,003 |  |  |  | 12,003 |  |  |  |

|  | Linear Regression | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1958 Age 50** | Unadjusted | | | | Fully adjusted | | | |
|  | Coef. | SE | p | 95% CI | Coef. | SE | p | 95% CI |
| Only Child (Ref=Sibling) | 0.18 | 0.49 | 0.71 | -0.79 - 1.15 | 0.33 | 0.50 | 0.51 | -0.64 - 1.30 |
| Female (Ref=Male) |  |  |  |  | 2.12 | 0.36 | 0.00 | 1.42 - 2.81 |
| Mother’s age |  |  |  |  | 0.18 | 0.03 | 0.00 | 0.12 - 0.25 |
| Parental social class: II (Ref: I) |  |  |  |  | -0.17 | 0.69 | 0.80 | -1.51 - 1.17 |
| III non-manual |  |  |  |  | 0.38 | 0.71 | 0.60 | -1.02 - 1.78 |
| IV manual |  |  |  |  | -0.03 | 0.65 | 0.97 | -1.30 - 1.24 |
| V |  |  |  |  | 0.35 | 0.78 | 0.65 | -1.17 - 1.87 |
| VI |  |  |  |  | 0.81 | 0.88 | 0.36 | -0.91 - 2.53 |
| Mother stayed in school (Ref: Left) |  |  |  |  | -0.66 | 0.31 | 0.03 | -1.26 - -0.05 |
| Parental separation (Ref: No) |  |  |  |  | -0.40 | 0.64 | 0.53 | -1.66 - 0.86 |
| Own Highest NVQ Level: NVQ1 level (Ref: No qual.) |  |  |  |  | -1.36 | 0.75 | 0.07 | -2.83 - 0.12 |
| NVQ2 level |  |  |  |  | -0.60 | 0.78 | 0.44 | -2.13 - 0.93 |
| NVQ3 level |  |  |  |  | -1.57 | 0.70 | 0.02 | -2.95 - -0.20 |
| NVQ4 level |  |  |  |  | -1.55 | 0.72 | 0.03 | -2.97 - -0.13 |
| NVQ5 level |  |  |  |  | -1.69 | 1.04 | 0.10 | -3.72 - 0.35 |
| Own occupation: Professionals (Ref: Managers) |  |  |  |  | 0.38 | 0.63 | 0.55 | -0.85 - 1.61 |
| Associate prof. & technical |  |  |  |  | -0.40 | 0.54 | 0.46 | -1.45 - 0.66 |
| Administrative & secretarial |  |  |  |  | -0.57 | 0.56 | 0.31 | -1.67 - 0.53 |
| Skilled trades |  |  |  |  | -0.03 | 0.53 | 0.95 | -1.07 - 1.00 |
| Personal services |  |  |  |  | 0.04 | 0.67 | 0.96 | -1.29 - 1.36 |
| Sales & customer services |  |  |  |  | -0.98 | 0.66 | 0.13 | -2.27 - 0.30 |
| Process, plant & machine |  |  |  |  | 1.30 | 0.82 | 0.12 | -0.32 - 2.91 |
| Elementary operations |  |  |  |  | 0.55 | 0.81 | 0.50 | -1.03 - 2.14 |
| Marital status: Cohabiting (Ref: Married) |  |  |  |  | -0.06 | 0.43 | 0.88 | -0.91 - 0.79 |
| Not living with a partner |  |  |  |  | 2.97 | 0.49 | 0.00 | 2.01 - 3.93 |
| Region different than age 10 (Ref=Same) |  |  |  |  | -1.07 | 0.34 | 0.00 | -1.74 - -0.39 |
| Which parent alive = Mother (Ref: Both) |  |  |  |  | 1.33 | 0.33 | 0.00 | 0.68 - 1.98 |
| Father |  |  |  |  | 0.72 | 0.48 | 0.14 | -0.22 - 1.66 |
| Constant | 4.56 | 0.15 | 0.00 | 4.26 - 4.85 | -1.65 | 1.27 | 0.19 | -4.13 - 0.83 |
|  |  |  |  |  |  |  |  |  |
| Observations | 9,607 |  |  |  | 9,607 |  |  |  |

|  | Linear Regression | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1958 Age 55** | Unadjusted | | | | Fully adjusted | | | |
|  | Coef. | SE | p | 95% CI | Coef. | SE | p | 95% CI |
| Only Child (Ref=Sibling) | 1.19 | 0.90 | 0.19 | -0.58 - 2.95 | 1.46 | 0.86 | 0.09 | -0.24 - 3.15 |
| Female (Ref=Male) |  |  |  |  | 2.71 | 0.56 | 0.00 | 1.61 - 3.81 |
| Mother’s age |  |  |  |  | 0.28 | 0.05 | 0.00 | 0.18 - 0.38 |
| Parental social class: II (Ref: I) |  |  |  |  | 1.60 | 1.00 | 0.11 | -0.37 - 3.56 |
| III non-manual |  |  |  |  | 1.05 | 1.01 | 0.30 | -0.94 - 3.03 |
| IV manual |  |  |  |  | 0.71 | 0.91 | 0.43 | -1.07 - 2.49 |
| V |  |  |  |  | 0.95 | 1.06 | 0.37 | -1.13 - 3.03 |
| VI |  |  |  |  | 2.76 | 1.21 | 0.02 | 0.39 - 5.14 |
| Mother stayed in school (Ref: Left) |  |  |  |  | 0.27 | 0.45 | 0.55 | -0.62 - 1.15 |
| Parental separation (Ref: No) |  |  |  |  | -1.12 | 1.06 | 0.29 | -3.20 - 0.96 |
| Own Highest NVQ Level: NVQ1 level (Ref: No qual.) |  |  |  |  | -1.95 | 1.13 | 0.08 | -4.16 - 0.27 |
| NVQ2 level |  |  |  |  | -1.52 | 1.09 | 0.16 | -3.66 - 0.62 |
| NVQ3 level |  |  |  |  | -2.29 | 1.00 | 0.02 | -4.26 - -0.32 |
| NVQ4 level |  |  |  |  | -3.07 | 0.99 | 0.00 | -5.02 - -1.13 |
| NVQ5 level |  |  |  |  | -2.72 | 1.46 | 0.06 | -5.59 - 0.15 |
| Own occupation: Professionals (Ref: Managers) |  |  |  |  | -0.15 | 0.85 | 0.86 | -1.82 - 1.52 |
| Associate prof. & technical |  |  |  |  | 1.18 | 0.90 | 0.19 | -0.58 - 2.94 |
| Administrative & secretarial |  |  |  |  | 0.11 | 0.77 | 0.88 | -1.39 - 1.62 |
| Skilled trades |  |  |  |  | 0.94 | 0.67 | 0.16 | -0.38 - 2.25 |
| Personal services |  |  |  |  | 0.17 | 0.92 | 0.86 | -1.63 - 1.97 |
| Sales & customer services |  |  |  |  | 0.77 | 1.19 | 0.52 | -1.55 - 3.10 |
| Process, plant & machine |  |  |  |  | 0.90 | 1.01 | 0.37 | -1.08 - 2.88 |
| Elementary operations |  |  |  |  | 1.69 | 1.15 | 0.14 | -0.58 - 3.95 |
| Marital status: Cohabiting (Ref: Married) |  |  |  |  | 0.43 | 0.69 | 0.53 | -0.92 - 1.78 |
| Not living with a partner |  |  |  |  | 3.96 | 0.51 | 0.00 | 2.97 - 4.96 |
| Region different than age 10 (Ref=Same) |  |  |  |  | -0.75 | 0.57 | 0.19 | -1.87 - 0.37 |
| Which parent alive = Mother (Ref: Both) |  |  |  |  | 1.24 | 0.43 | 0.00 | 0.39 - 2.09 |
| Father |  |  |  |  | 1.39 | 0.65 | 0.03 | 0.10 - 2.67 |
| Constant | 6.58 | 0.24 | 0.00 | 6.10 - 7.06 | -3.62 | 1.81 | 0.05 | -7.17 - -0.07 |
|  |  |  |  |  |  |  |  |  |
| Observations | 9,339 |  |  |  | 9,339 |  |  |  |

|  | Ordered logistic regression | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1946 Age 63** | Unadjusted | | | | Fully adjusted | | | |
|  | OR | SE | p | 95% CI | OR | SE | p | 95% CI |
| Only Child (Ref=Sibling) | 0.68 | 0.19 | 0.16 | 0.39 - 1.17 | 0.66 | 0.21 | 0.18 | 0.36 - 1.21 |
| Female (Ref=Male) |  |  |  |  | 2.49 | 0.68 | 0.00 | 1.46 - 4.27 |
| Mother's age at birth = 25-29 (Ref: <25) |  |  |  |  | 1.39 | 0.38 | 0.23 | 0.81 - 2.38 |
| 30-34 |  |  |  |  | 3.35 | 1.38 | 0.00 | 1.49 - 7.50 |
| 35+ |  |  |  |  | 1.99 | 1.59 | 0.39 | 0.42 - 9.52 |
| Parental social class: II (Ref: I) |  |  |  |  | 1.24 | 0.40 | 0.51 | 0.66 - 2.32 |
| III non-manual |  |  |  |  | 1.39 | 0.48 | 0.34 | 0.71 - 2.75 |
| IV manual |  |  |  |  | 1.59 | 0.59 | 0.22 | 0.76 - 3.31 |
| V |  |  |  |  | 1.80 | 0.83 | 0.20 | 0.73 - 4.45 |
| VI |  |  |  |  | 2.16 | 1.19 | 0.16 | 0.73 - 6.36 |
| Not available/ Unemp. |  |  |  |  | 2.46 | 1.39 | 0.11 | 0.81 - 7.47 |
| Mother stayed in school (Ref: Left) |  |  |  |  | 1.10 | 0.32 | 0.75 | 0.62 - 1.93 |
| Parental separation (Ref: No) |  |  |  |  | 1.69 | 0.70 | 0.20 | 0.75 - 3.82 |
| Highest Qual=Up to O-level (Ref: None) |  |  |  |  | 0.98 | 0.32 | 0.95 | 0.51 - 1.86 |
| Up to A-level |  |  |  |  | 0.68 | 0.30 | 0.39 | 0.29 - 1.62 |
| Degree or above |  |  |  |  | 1.08 | 0.50 | 0.87 | 0.44 - 2.65 |
| Marital status: Cohabiting (Ref: Married) |  |  |  |  | 1.05 | 0.59 | 0.93 | 0.35 - 3.14 |
| Not living with a partner |  |  |  |  | 1.29 | 0.47 | 0.47 | 0.64 - 2.62 |
| Region different than age 11 (Ref=Same) |  |  |  |  | 1.13 | 0.34 | 0.68 | 0.63 - 2.05 |
| /cut1 | 0.58 | 0.09 | 0.00 | 0.43 - 0.78 | 2.25 | 1.23 | 0.14 | 0.77 - 6.57 |
| /cut2 | 2.05 | 0.36 | 0.00 | 1.45 - 2.88 | 9.82 | 5.47 | 0.00 | 3.30 - 29.24 |
| /cut3 | 4.70 | 1.01 | 0.00 | 3.08 - 7.18 | 25.37 | 14.30 | 0.00 | 8.40 - 76.59 |
|  |  |  |  |  |  |  |  |  |
| Observations | 2,121 |  |  |  | 2,121 |  |  |  |

**Table A2.5 Multinomial Regression: Parent care with gendered sibling composition**

| **1970 Age 38** | Helper |  |  |  | Carer |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | RRR | SE | p | 95% CI | RRR | SE | p | 95% CI |
| Gender & siblings: Female, brother(s) (Ref: Male, brother(s)) | 1.09 | 0.09 | 0.33 | 0.92 - 1.28 | 1.83 | 0.22 | 0.00 | 1.45 - 2.30 |
| Male, sister(s) | 1.06 | 0.10 | 0.49 | 0.89 - 1.27 | 0.94 | 0.12 | 0.65 | 0.73 - 1.21 |
| Female, sister(s) | 1.01 | 0.11 | 0.91 | 0.82 - 1.24 | 1.55 | 0.22 | 0.00 | 1.16 - 2.05 |
| Male, both | 1.12 | 0.10 | 0.21 | 0.94 - 1.35 | 0.89 | 0.12 | 0.40 | 0.69 - 1.16 |
| Female, both | 1.11 | 0.11 | 0.31 | 0.91 - 1.34 | 1.61 | 0.22 | 0.00 | 1.24 - 2.10 |
| Male, only | 0.97 | 0.16 | 0.86 | 0.71 - 1.33 | 1.31 | 0.25 | 0.16 | 0.90 - 1.90 |
| Female, only | 0.98 | 0.17 | 0.89 | 0.70 - 1.37 | 2.00 | 0.37 | 0.00 | 1.38 - 2.88 |
| Mother’s age | 1.04 | 0.01 | 0.00 | 1.03 - 1.05 | 1.05 | 0.01 | 0.00 | 1.03 - 1.06 |
| Parental social: II (Ref: I) | 1.32 | 0.22 | 0.09 | 0.96 - 1.82 | 1.26 | 0.25 | 0.24 | 0.85 - 1.87 |
| III non-manual | 1.54 | 0.26 | 0.01 | 1.11 - 2.13 | 1.28 | 0.27 | 0.25 | 0.84 - 1.93 |
| IV manual | 1.68 | 0.26 | 0.00 | 1.24 - 2.28 | 1.61 | 0.32 | 0.02 | 1.09 - 2.36 |
| V | 1.98 | 0.33 | 0.00 | 1.42 - 2.75 | 1.81 | 0.37 | 0.00 | 1.21 - 2.72 |
| VI | 2.44 | 0.49 | 0.00 | 1.65 - 3.60 | 2.67 | 0.70 | 0.00 | 1.59 - 4.48 |
| Not available/ Unemp. | 2.32 | 1.18 | 0.10 | 0.86 - 6.29 | 2.03 | 1.05 | 0.17 | 0.74 - 5.61 |
| Mother stayed in school (Ref: Left) | 0.75 | 0.04 | 0.00 | 0.66 - 0.84 | 0.73 | 0.06 | 0.00 | 0.62 - 0.86 |
| Parental separation (Ref: No) | 1.02 | 0.07 | 0.77 | 0.90 - 1.16 | 1.12 | 0.10 | 0.23 | 0.93 - 1.33 |
| Own Highest NVQ Level: NVQ1 level (Ref: No qual.) | 1.10 | 0.16 | 0.50 | 0.83 - 1.45 | 1.08 | 0.21 | 0.68 | 0.74 - 1.57 |
| NVQ2 level | 1.08 | 0.13 | 0.52 | 0.86 - 1.36 | 1.15 | 0.17 | 0.33 | 0.86 - 1.54 |
| NVQ3 level | 1.07 | 0.14 | 0.59 | 0.83 - 1.38 | 1.12 | 0.19 | 0.52 | 0.79 - 1.57 |
| NVQ4 level | 1.02 | 0.13 | 0.90 | 0.79 - 1.30 | 1.13 | 0.18 | 0.46 | 0.82 - 1.56 |
| NVQ5 level | 0.78 | 0.13 | 0.15 | 0.56 - 1.09 | 1.03 | 0.21 | 0.90 | 0.68 - 1.55 |
| Own occupation: Professionals (Ref: Managers) | 0.90 | 0.10 | 0.36 | 0.72 - 1.13 | 0.85 | 0.13 | 0.28 | 0.63 - 1.14 |
| Associate prof. & technical | 0.92 | 0.08 | 0.35 | 0.77 - 1.10 | 0.85 | 0.10 | 0.17 | 0.67 - 1.07 |
| Administrative & secretarial | 1.01 | 0.10 | 0.94 | 0.82 - 1.23 | 1.07 | 0.14 | 0.61 | 0.83 - 1.37 |
| Skilled trades | 1.26 | 0.13 | 0.03 | 1.02 - 1.55 | 1.13 | 0.18 | 0.45 | 0.82 - 1.55 |
| Personal services | 0.99 | 0.11 | 0.90 | 0.79 - 1.23 | 1.20 | 0.17 | 0.20 | 0.91 - 1.59 |
| Sales & customer services | 1.04 | 0.16 | 0.77 | 0.78 - 1.40 | 1.60 | 0.30 | 0.01 | 1.10 - 2.33 |
| Process, plant & machine | 1.31 | 0.16 | 0.03 | 1.03 - 1.66 | 1.40 | 0.21 | 0.03 | 1.04 - 1.89 |
| Elementary operations | 1.09 | 0.14 | 0.51 | 0.84 - 1.41 | 1.07 | 0.18 | 0.68 | 0.77 - 1.49 |
| Marital status: Cohabiting (Ref: Married) | 1.10 | 0.08 | 0.22 | 0.95 - 1.27 | 1.00 | 0.11 | 0.99 | 0.81 - 1.24 |
| Not living with a partner | 1.19 | 0.08 | 0.01 | 1.04 - 1.36 | 1.82 | 0.15 | 0.00 | 1.56 - 2.13 |
| Region different than age 10 (Ref=Same) | 0.48 | 0.03 | 0.00 | 0.42 - 0.55 | 0.43 | 0.04 | 0.00 | 0.36 - 0.52 |
| Which parent alive = Mother (Ref: Both) | 1.93 | 0.16 | 0.00 | 1.64 - 2.27 | 2.71 | 0.26 | 0.00 | 2.24 - 3.27 |
| Father | 0.96 | 0.09 | 0.65 | 0.80 - 1.15 | 4.22 | 0.44 | 0.00 | 3.43 - 5.18 |
| Constant | 0.08 | 0.02 | 0.00 | 0.05 - 0.13 | 0.02 | 0.01 | 0.00 | 0.01 - 0.03 |
|  |  |  |  |  |  |  |  |  |
| Observations | 17,255 |  |  |  | 17,255 |  |  |  |

| **1970 Age 42** | Helper |  |  |  | Carer |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | RRR | SE | p | 95% CI | RRR | SE | p | 95% CI |
| Gender & siblings: Female, brother(s) (Ref: Male, brother(s)) | 0.84 | 0.08 | 0.05 | 0.71 - 1.00 | 1.37 | 0.14 | 0.00 | 1.12 - 1.67 |
| Male, sister(s) | 0.99 | 0.09 | 0.87 | 0.83 - 1.17 | 1.04 | 0.12 | 0.72 | 0.84 - 1.30 |
| Female, sister(s) | 0.81 | 0.08 | 0.03 | 0.67 - 0.98 | 1.30 | 0.15 | 0.02 | 1.04 - 1.63 |
| Male, both | 1.03 | 0.09 | 0.74 | 0.87 - 1.22 | 1.00 | 0.10 | 0.98 | 0.81 - 1.22 |
| Female, both | 0.86 | 0.08 | 0.09 | 0.72 - 1.03 | 1.45 | 0.16 | 0.00 | 1.17 - 1.80 |
| Male, only | 1.29 | 0.18 | 0.06 | 0.99 - 1.69 | 1.39 | 0.23 | 0.05 | 1.01 - 1.91 |
| Female, only | 0.94 | 0.13 | 0.67 | 0.72 - 1.23 | 1.70 | 0.26 | 0.00 | 1.25 - 2.30 |
| Mother’s age | 1.04 | 0.01 | 0.00 | 1.03 - 1.05 | 1.06 | 0.01 | 0.00 | 1.05 - 1.07 |
| Parental social: II (Ref: I) | 1.15 | 0.17 | 0.32 | 0.87 - 1.53 | 1.22 | 0.21 | 0.25 | 0.87 - 1.71 |
| III non-manual | 1.37 | 0.19 | 0.02 | 1.05 - 1.80 | 1.19 | 0.22 | 0.33 | 0.84 - 1.70 |
| IV manual | 1.45 | 0.19 | 0.00 | 1.13 - 1.87 | 1.55 | 0.25 | 0.01 | 1.13 - 2.12 |
| V | 1.62 | 0.23 | 0.00 | 1.23 - 2.15 | 1.94 | 0.33 | 0.00 | 1.39 - 2.70 |
| VI | 1.65 | 0.30 | 0.01 | 1.15 - 2.36 | 2.54 | 0.52 | 0.00 | 1.71 - 3.78 |
| Not available/ Unemp. | 1.92 | 0.83 | 0.13 | 0.82 - 4.49 | 3.38 | 1.57 | 0.01 | 1.36 - 8.40 |
| Mother stayed in school (Ref: Left) | 0.76 | 0.04 | 0.00 | 0.68 - 0.85 | 0.81 | 0.06 | 0.00 | 0.71 - 0.93 |
| Parental separation (Ref: No) | 1.12 | 0.07 | 0.09 | 0.98 - 1.27 | 1.06 | 0.07 | 0.44 | 0.92 - 1.21 |
| Own Highest NVQ Level: NVQ1 level (Ref: No qual.) | 1.27 | 0.19 | 0.12 | 0.94 - 1.70 | 0.89 | 0.14 | 0.46 | 0.64 - 1.22 |
| NVQ2 level | 1.36 | 0.17 | 0.01 | 1.07 - 1.73 | 0.95 | 0.12 | 0.69 | 0.73 - 1.23 |
| NVQ3 level | 1.38 | 0.18 | 0.01 | 1.07 - 1.78 | 1.09 | 0.16 | 0.55 | 0.82 - 1.44 |
| NVQ4 level | 1.19 | 0.14 | 0.15 | 0.94 - 1.50 | 0.85 | 0.11 | 0.21 | 0.65 - 1.10 |
| NVQ5 level | 0.95 | 0.14 | 0.75 | 0.71 - 1.28 | 0.81 | 0.15 | 0.24 | 0.56 - 1.16 |
| Own occupation: Professionals (Ref: Managers) | 1.08 | 0.11 | 0.46 | 0.88 - 1.31 | 0.97 | 0.12 | 0.82 | 0.76 - 1.24 |
| Associate prof. & technical | 1.04 | 0.08 | 0.62 | 0.89 - 1.21 | 0.98 | 0.10 | 0.85 | 0.81 - 1.19 |
| Administrative & secretarial | 1.06 | 0.10 | 0.55 | 0.88 - 1.26 | 1.03 | 0.12 | 0.82 | 0.81 - 1.30 |
| Skilled trades | 1.40 | 0.13 | 0.00 | 1.16 - 1.69 | 1.16 | 0.13 | 0.18 | 0.93 - 1.45 |
| Personal services | 0.88 | 0.10 | 0.23 | 0.71 - 1.09 | 1.19 | 0.15 | 0.16 | 0.93 - 1.52 |
| Sales & customer services | 1.30 | 0.16 | 0.03 | 1.03 - 1.65 | 1.28 | 0.20 | 0.12 | 0.94 - 1.73 |
| Process, plant & machine | 1.53 | 0.18 | 0.00 | 1.21 - 1.92 | 1.60 | 0.26 | 0.00 | 1.16 - 2.20 |
| Elementary operations | 1.31 | 0.16 | 0.03 | 1.03 - 1.68 | 1.32 | 0.18 | 0.04 | 1.01 - 1.72 |
| Marital status: Cohabiting (Ref: Married) | 1.03 | 0.08 | 0.73 | 0.88 - 1.20 | 1.00 | 0.10 | 0.99 | 0.83 - 1.21 |
| Not living with a partner | 0.85 | 0.05 | 0.01 | 0.75 - 0.96 | 1.22 | 0.08 | 0.00 | 1.07 - 1.39 |
| Region different than age 10 (Ref=Same) | 0.56 | 0.04 | 0.00 | 0.50 - 0.64 | 0.53 | 0.04 | 0.00 | 0.46 - 0.62 |
| Which parent alive = Mother (Ref: Both) | 1.60 | 0.10 | 0.00 | 1.42 - 1.80 | 1.72 | 0.12 | 0.00 | 1.49 - 1.98 |
| Father | 0.71 | 0.07 | 0.00 | 0.58 - 0.87 | 1.30 | 0.12 | 0.01 | 1.08 - 1.56 |
| Constant | 0.16 | 0.04 | 0.00 | 0.09 - 0.26 | 0.04 | 0.01 | 0.00 | 0.02 - 0.06 |
|  |  |  |  |  |  |  |  |  |
| Observations | 16,703 |  |  |  | 16,703 |  |  |  |

| **1958 Age 50** | Helper |  |  |  | Carer |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | RRR | SE | p | 95% CI | RRR | SE | p | 95% CI |
| Gender & siblings: Female, brother(s) (Ref: Male, brother(s)) | 0.73 | 0.09 | 0.01 | 0.58 - 0.92 | 1.86 | 0.27 | 0.00 | 1.40 - 2.47 |
| Male, sister(s) | 0.87 | 0.10 | 0.22 | 0.70 - 1.08 | 0.84 | 0.14 | 0.28 | 0.60 - 1.16 |
| Female, sister(s) | 0.72 | 0.09 | 0.01 | 0.57 - 0.91 | 1.87 | 0.30 | 0.00 | 1.37 - 2.56 |
| Male, both | 0.80 | 0.08 | 0.02 | 0.66 - 0.97 | 0.81 | 0.12 | 0.14 | 0.61 - 1.07 |
| Female, both | 0.65 | 0.07 | 0.00 | 0.52 - 0.80 | 1.84 | 0.27 | 0.00 | 1.38 - 2.45 |
| Male, only | 1.31 | 0.20 | 0.08 | 0.97 - 1.77 | 1.41 | 0.29 | 0.10 | 0.94 - 2.11 |
| Female, only | 1.15 | 0.20 | 0.43 | 0.82 - 1.60 | 2.53 | 0.54 | 0.00 | 1.67 - 3.83 |
| Mother’s age | 1.05 | 0.01 | 0.00 | 1.04 - 1.07 | 1.12 | 0.01 | 0.00 | 1.11 - 1.14 |
| Parental social class: II (Ref: I) | 1.18 | 0.18 | 0.28 | 0.87 - 1.61 | 0.93 | 0.19 | 0.70 | 0.62 - 1.37 |
| III non-manual | 1.52 | 0.24 | 0.01 | 1.11 - 2.08 | 0.97 | 0.20 | 0.87 | 0.65 - 1.45 |
| IV manual | 1.51 | 0.23 | 0.01 | 1.12 - 2.03 | 1.24 | 0.24 | 0.26 | 0.85 - 1.80 |
| V | 1.57 | 0.27 | 0.01 | 1.12 - 2.20 | 1.32 | 0.29 | 0.22 | 0.85 - 2.04 |
| VI | 1.83 | 0.34 | 0.00 | 1.28 - 2.62 | 1.86 | 0.43 | 0.01 | 1.19 - 2.92 |
| Mother stayed in school (Ref: Left) | 0.86 | 0.06 | 0.03 | 0.76 - 0.98 | 0.81 | 0.07 | 0.01 | 0.69 - 0.95 |
| Parental separation: Yes (Ref: No) | 0.55 | 0.07 | 0.00 | 0.44 - 0.70 | 0.70 | 0.12 | 0.03 | 0.50 - 0.97 |
| Own Highest NVQ Level: NVQ1 level (Ref: No qual.) | 1.06 | 0.15 | 0.69 | 0.81 - 1.38 | 1.12 | 0.18 | 0.47 | 0.82 - 1.54 |
| NVQ2 level | 1.06 | 0.13 | 0.65 | 0.83 - 1.34 | 1.11 | 0.15 | 0.44 | 0.85 - 1.45 |
| NVQ3 level | 1.22 | 0.15 | 0.12 | 0.95 - 1.57 | 1.04 | 0.18 | 0.81 | 0.75 - 1.45 |
| NVQ4 level | 1.05 | 0.13 | 0.72 | 0.82 - 1.34 | 1.02 | 0.16 | 0.92 | 0.74 - 1.39 |
| NVQ5 level | 1.06 | 0.19 | 0.75 | 0.75 - 1.50 | 1.05 | 0.24 | 0.85 | 0.67 - 1.64 |
| Own occupation: Professionals (Ref: Managers) | 0.99 | 0.11 | 0.91 | 0.79 - 1.24 | 1.07 | 0.15 | 0.65 | 0.81 - 1.41 |
| Associate prof. & technical | 0.83 | 0.10 | 0.14 | 0.65 - 1.06 | 0.89 | 0.13 | 0.42 | 0.67 - 1.18 |
| Administrative & secretarial | 1.10 | 0.11 | 0.36 | 0.90 - 1.34 | 1.00 | 0.12 | 1.00 | 0.78 - 1.28 |
| Skilled trades | 0.99 | 0.11 | 0.92 | 0.80 - 1.22 | 0.97 | 0.14 | 0.84 | 0.73 - 1.30 |
| Personal services | 0.99 | 0.13 | 0.91 | 0.77 - 1.27 | 1.14 | 0.16 | 0.36 | 0.87 - 1.49 |
| Sales & customer services | 0.95 | 0.14 | 0.72 | 0.71 - 1.26 | 0.98 | 0.17 | 0.90 | 0.69 - 1.38 |
| Process, plant & machine | 1.05 | 0.14 | 0.71 | 0.81 - 1.37 | 1.22 | 0.22 | 0.26 | 0.86 - 1.73 |
| Elementary operations | 1.16 | 0.18 | 0.35 | 0.85 - 1.58 | 1.13 | 0.21 | 0.52 | 0.78 - 1.64 |
| Marital status: Cohabiting (Ref: Married) | 0.92 | 0.09 | 0.36 | 0.76 - 1.10 | 0.70 | 0.09 | 0.01 | 0.54 - 0.90 |
| Not living with a partner | 0.94 | 0.07 | 0.41 | 0.81 - 1.09 | 1.30 | 0.11 | 0.00 | 1.10 - 1.54 |
| Region different than age 11 (Ref=Same) | 0.41 | 0.03 | 0.00 | 0.35 - 0.47 | 0.36 | 0.03 | 0.00 | 0.30 - 0.42 |
| Which parent alive = Mother (Ref: Both) | 1.80 | 0.11 | 0.00 | 1.60 - 2.03 | 1.93 | 0.16 | 0.00 | 1.65 - 2.27 |
| Father | 0.54 | 0.06 | 0.00 | 0.44 - 0.66 | 1.11 | 0.11 | 0.27 | 0.92 - 1.35 |
| Constant | 0.22 | 0.06 | 0.00 | 0.12 - 0.38 | 0.01 | 0.00 | 0.00 | 0.01 - 0.02 |
|  |  |  |  |  |  |  |  |  |
| Observations | 12,775 |  |  |  | 12,775 |  |  |  |

| **1958 Age 55** | Helper |  |  |  | Carer |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | RRR | SE | p | 95% CI | RRR | SE | p | 95% CI |
| Gender & siblings: Female, brother(s) (Ref: Male, brother(s)) | 0.93 | 0.12 | 0.58 | 0.73 - 1.19 | 2.04 | 0.28 | 0.00 | 1.57 - 2.67 |
| Male, sister(s) | 1.00 | 0.12 | 1.00 | 0.78 - 1.28 | 0.82 | 0.14 | 0.26 | 0.59 - 1.15 |
| Female, sister(s) | 0.87 | 0.12 | 0.32 | 0.66 - 1.14 | 1.64 | 0.28 | 0.00 | 1.18 - 2.29 |
| Male, both | 0.77 | 0.08 | 0.01 | 0.62 - 0.95 | 0.72 | 0.10 | 0.02 | 0.55 - 0.94 |
| Female, both | 0.70 | 0.09 | 0.00 | 0.54 - 0.89 | 1.51 | 0.22 | 0.01 | 1.13 - 2.02 |
| Male, only | 1.43 | 0.30 | 0.08 | 0.95 - 2.14 | 1.57 | 0.34 | 0.04 | 1.02 - 2.40 |
| Female, only | 1.33 | 0.29 | 0.20 | 0.87 - 2.03 | 2.83 | 0.62 | 0.00 | 1.84 - 4.34 |
| Mother’s age | 1.05 | 0.01 | 0.00 | 1.03 - 1.06 | 1.12 | 0.01 | 0.00 | 1.11 - 1.14 |
| Parental social class: II (Ref: I) | 1.16 | 0.19 | 0.38 | 0.84 - 1.59 | 1.24 | 0.25 | 0.28 | 0.84 - 1.85 |
| III non-manual | 1.08 | 0.19 | 0.66 | 0.77 - 1.52 | 1.24 | 0.25 | 0.29 | 0.83 - 1.85 |
| IV manual | 1.24 | 0.21 | 0.19 | 0.90 - 1.72 | 1.54 | 0.30 | 0.03 | 1.05 - 2.25 |
| V | 1.18 | 0.24 | 0.41 | 0.80 - 1.75 | 1.46 | 0.32 | 0.08 | 0.95 - 2.23 |
| VI | 1.32 | 0.27 | 0.18 | 0.88 - 1.97 | 1.97 | 0.46 | 0.00 | 1.24 - 3.12 |
| Mother stayed in school (Ref: Left) | 0.91 | 0.07 | 0.24 | 0.78 - 1.06 | 0.92 | 0.09 | 0.41 | 0.76 - 1.12 |
| Parental separation (Ref: No) | 0.42 | 0.07 | 0.00 | 0.30 - 0.58 | 0.45 | 0.08 | 0.00 | 0.32 - 0.64 |
| Own Highest NVQ Level: NVQ1 level (Ref: No qual.) | 0.87 | 0.14 | 0.38 | 0.63 - 1.20 | 0.72 | 0.13 | 0.06 | 0.51 - 1.02 |
| NVQ2 level | 0.97 | 0.15 | 0.83 | 0.71 - 1.31 | 0.79 | 0.13 | 0.15 | 0.58 - 1.08 |
| NVQ3 level | 1.02 | 0.15 | 0.88 | 0.76 - 1.37 | 0.87 | 0.16 | 0.43 | 0.61 - 1.24 |
| NVQ4 level | 1.03 | 0.16 | 0.83 | 0.76 - 1.40 | 0.72 | 0.13 | 0.06 | 0.51 - 1.01 |
| NVQ5 level | 1.09 | 0.22 | 0.67 | 0.74 - 1.62 | 0.72 | 0.16 | 0.16 | 0.46 - 1.13 |
| Own occupation: Professionals (Ref: Managers) | 0.81 | 0.10 | 0.09 | 0.64 - 1.03 | 0.92 | 0.15 | 0.59 | 0.67 - 1.26 |
| Associate prof. & technical | 0.66 | 0.09 | 0.00 | 0.51 - 0.86 | 0.87 | 0.14 | 0.38 | 0.64 - 1.19 |
| Administrative & secretarial | 1.01 | 0.14 | 0.96 | 0.76 - 1.33 | 1.01 | 0.13 | 0.96 | 0.78 - 1.30 |
| Skilled trades | 1.29 | 0.17 | 0.05 | 1.00 - 1.66 | 1.33 | 0.21 | 0.07 | 0.98 - 1.81 |
| Personal services | 0.78 | 0.11 | 0.07 | 0.59 - 1.02 | 0.86 | 0.12 | 0.28 | 0.65 - 1.13 |
| Sales & customer services | 1.10 | 0.20 | 0.61 | 0.77 - 1.56 | 1.15 | 0.22 | 0.46 | 0.79 - 1.69 |
| Process, plant & machine | 1.23 | 0.21 | 0.24 | 0.87 - 1.72 | 1.26 | 0.28 | 0.29 | 0.82 - 1.94 |
| Elementary operations | 0.82 | 0.15 | 0.29 | 0.57 - 1.19 | 0.94 | 0.17 | 0.72 | 0.65 - 1.35 |
| Marital status: Cohabiting (Ref: Married) | 0.95 | 0.11 | 0.67 | 0.76 - 1.19 | 0.88 | 0.11 | 0.31 | 0.69 - 1.12 |
| Not living with a partner | 0.81 | 0.07 | 0.02 | 0.68 - 0.97 | 1.41 | 0.12 | 0.00 | 1.19 - 1.66 |
| Region different than age 10 (Ref=Same) | 0.53 | 0.04 | 0.00 | 0.46 - 0.60 | 0.35 | 0.03 | 0.00 | 0.30 - 0.41 |
| Which parent alive = Mother (Ref: Both) | 1.56 | 0.12 | 0.00 | 1.35 - 1.81 | 1.73 | 0.16 | 0.00 | 1.45 - 2.06 |
| Father | 0.56 | 0.06 | 0.00 | 0.45 - 0.69 | 0.92 | 0.10 | 0.45 | 0.74 - 1.15 |
| Constant | 0.40 | 0.13 | 0.00 | 0.22 - 0.75 | 0.03 | 0.01 | 0.00 | 0.01 - 0.06 |
|  |  |  |  |  |  |  |  |  |
| Observations | 11,339 |  |  |  | 11,339 |  |  |  |

**Table A2.6 Linear Regression: Caregiving hours with gendered sibling composition**

| **1970 Age 38** | Linear Regression: Hours | | | |
| --- | --- | --- | --- | --- |
|  | Coef. | SE | p | 95% CI |
| Gender & siblings: Female, brother(s) (Ref: Male, brother(s)) | 1.05 | 0.32 | 0.00 | 0.43 - 1.68 |
| Male, sister(s) | 0.00 | 0.33 | 1.00 | -0.66 - 0.65 |
| Female, sister(s) | 1.16 | 0.34 | 0.00 | 0.49 - 1.83 |
| Male, both | -0.09 | 0.29 | 0.75 | -0.67 - 0.48 |
| Female, both | 0.94 | 0.33 | 0.00 | 0.29 - 1.59 |
| Male, only | 0.07 | 0.41 | 0.87 | -0.74 - 0.88 |
| Female, only | 1.11 | 0.49 | 0.02 | 0.16 - 2.07 |
| Mother’s age | 0.00 | 0.02 | 0.88 | -0.04 - 0.03 |
| Parental social: II (Ref: I) | -0.18 | 0.53 | 0.73 | -1.22 - 0.86 |
| III non-manual | -0.26 | 0.56 | 0.65 | -1.36 - 0.84 |
| IV manual | -0.31 | 0.52 | 0.55 | -1.34 - 0.71 |
| V | 0.09 | 0.58 | 0.87 | -1.05 - 1.23 |
| VI | 0.21 | 0.61 | 0.73 | -0.99 - 1.41 |
| Not available/ Unemp. | -0.81 | 1.09 | 0.45 | -2.95 - 1.32 |
| Mother stayed in school (Ref: Left) | -0.32 | 0.19 | 0.09 | -0.70 - 0.05 |
| Parental separation (Ref: No) | 0.27 | 0.21 | 0.19 | -0.13 - 0.67 |
| Own Highest NVQ Level: NVQ1 level (Ref: No qual.) | -0.29 | 0.52 | 0.58 | -1.32 - 0.74 |
| NVQ2 level | 0.02 | 0.43 | 0.96 | -0.81 - 0.85 |
| NVQ3 level | -0.28 | 0.43 | 0.52 | -1.12 - 0.56 |
| NVQ4 level | -0.05 | 0.40 | 0.89 | -0.84 - 0.73 |
| NVQ5 level | 0.71 | 0.60 | 0.23 | -0.46 - 1.88 |
| Own occupation: Professionals (Ref: Managers) | -0.57 | 0.42 | 0.17 | -1.40 - 0.25 |
| Associate prof. & technical | -0.01 | 0.36 | 0.97 | -0.71 - 0.69 |
| Administrative & secretarial | -0.07 | 0.36 | 0.84 | -0.78 - 0.63 |
| Skilled trades | 0.31 | 0.38 | 0.41 | -0.43 - 1.06 |
| Personal services | 0.53 | 0.53 | 0.32 | -0.50 - 1.56 |
| Sales & customer services | 1.15 | 0.60 | 0.06 | -0.03 - 2.32 |
| Process, plant & machine | 0.88 | 0.52 | 0.09 | -0.14 - 1.90 |
| Elementary operations | 1.35 | 0.61 | 0.03 | 0.16 - 2.54 |
| Marital status: Cohabiting (Ref: Married) | -0.05 | 0.23 | 0.82 | -0.51 - 0.41 |
| Not living with a partner | 1.02 | 0.26 | 0.00 | 0.52 - 1.52 |
| Region different than age 10 (Ref=Same) | -0.36 | 0.28 | 0.20 | -0.91 - 0.19 |
| Which parent alive = Mother (Ref: Both) | 1.42 | 0.27 | 0.00 | 0.89 - 1.96 |
| Father | 2.01 | 0.46 | 0.00 | 1.10 - 2.91 |
| Constant | 1.98 | 0.79 | 0.01 | 0.42 - 3.53 |
|  |  |  |  |  |
| Observations | 11,702 |  |  |  |

| **1970 Age 42** | Linear Regression: Hours | | | |
| --- | --- | --- | --- | --- |
|  | Coef. | SE | p | 95% CI |
| Gender & siblings: Female, brother(s) (Ref: Male, brother(s)) | 0.92 | 0.30 | 0.00 | 0.32 - 1.51 |
| Male, sister(s) | -0.04 | 0.29 | 0.88 | -0.61 - 0.52 |
| Female, sister(s) | 0.73 | 0.35 | 0.04 | 0.05 - 1.40 |
| Male, both | 0.03 | 0.29 | 0.92 | -0.54 - 0.60 |
| Female, both | 1.13 | 0.37 | 0.00 | 0.41 - 1.86 |
| Male, only | 0.44 | 0.42 | 0.29 | -0.38 - 1.27 |
| Female, only | 1.46 | 0.54 | 0.01 | 0.40 - 2.53 |
| Mother’s age | 0.07 | 0.02 | 0.00 | 0.04 - 0.11 |
| Parental social: II (Ref: I) | 0.14 | 0.49 | 0.78 | -0.83 - 1.10 |
| III non-manual | -0.21 | 0.46 | 0.66 | -1.11 - 0.70 |
| IV manual | 0.33 | 0.45 | 0.46 | -0.56 - 1.22 |
| V | 0.97 | 0.48 | 0.04 | 0.03 - 1.90 |
| VI | 1.04 | 0.64 | 0.11 | -0.22 - 2.30 |
| Not available/ Unemp. | 1.52 | 1.78 | 0.39 | -1.97 - 5.01 |
| Mother stayed in school (Ref: Left) | -0.22 | 0.21 | 0.30 | -0.63 - 0.19 |
| Parental separation (Ref: No) | 0.12 | 0.21 | 0.56 | -0.29 - 0.53 |
| Own Highest NVQ Level: NVQ1 level (Ref: No qual.) | -1.47 | 0.68 | 0.03 | -2.79 - -0.15 |
| NVQ2 level | -1.50 | 0.58 | 0.01 | -2.64 - -0.35 |
| NVQ3 level | -1.74 | 0.56 | 0.00 | -2.85 - -0.64 |
| NVQ4 level | -1.51 | 0.58 | 0.01 | -2.64 - -0.38 |
| NVQ5 level | -1.75 | 0.63 | 0.01 | -3.00 - -0.51 |
| Own occupation: Professionals (Ref: Managers) | -0.23 | 0.32 | 0.48 | -0.86 - 0.41 |
| Associate prof. & technical | -0.03 | 0.29 | 0.90 | -0.60 - 0.53 |
| Administrative & secretarial | -0.35 | 0.32 | 0.27 | -0.97 - 0.27 |
| Skilled trades | 0.17 | 0.34 | 0.62 | -0.50 - 0.84 |
| Personal services | 0.70 | 0.46 | 0.13 | -0.21 - 1.61 |
| Sales & customer services | 0.52 | 0.66 | 0.43 | -0.77 - 1.82 |
| Process, plant & machine | 0.65 | 0.41 | 0.11 | -0.15 - 1.45 |
| Elementary operations | 1.59 | 0.69 | 0.02 | 0.24 - 2.95 |
| Marital status: Cohabiting (Ref: Married) | 0.15 | 0.25 | 0.55 | -0.35 - 0.65 |
| Not living with a partner | 1.29 | 0.24 | 0.00 | 0.81 - 1.76 |
| Region different than age 10 (Ref=Same) | -0.38 | 0.26 | 0.14 | -0.88 - 0.12 |
| Which parent alive = Mother (Ref: Both) | 0.82 | 0.21 | 0.00 | 0.41 - 1.22 |
| Father | 0.68 | 0.32 | 0.03 | 0.05 - 1.30 |
| Constant | 1.28 | 0.86 | 0.14 | -0.41 - 2.97 |
|  |  |  |  |  |
| Observations | 12,003 |  |  |  |

| **1958 Age 50** | Linear regression: Hours | | | |
| --- | --- | --- | --- | --- |
|  | Coef. | SE | p | 95% CI |
| Gender & siblings: Female, brother(s) (Ref: Male, brother(s)) | 1.88 | 0.50 | 0.00 | 0.90 - 2.86 |
| Male, sister(s) | -0.19 | 0.49 | 0.70 | -1.14 - 0.77 |
| Female, sister(s) | 1.99 | 0.58 | 0.00 | 0.86 - 3.12 |
| Male, both | -0.33 | 0.45 | 0.47 | -1.21 - 0.56 |
| Female, both | 2.06 | 0.54 | 0.00 | 1.00 - 3.11 |
| Male, only | 0.65 | 0.70 | 0.35 | -0.73 - 2.03 |
| Female, only | 1.81 | 0.80 | 0.02 | 0.24 - 3.38 |
| Mother’s age | 0.18 | 0.03 | 0.00 | 0.12 - 0.25 |
| Parental social class: II (Ref: I) | -0.16 | 0.69 | 0.81 | -1.51 - 1.18 |
| III non-manual | 0.37 | 0.71 | 0.60 | -1.03 - 1.77 |
| IV manual | -0.02 | 0.65 | 0.98 | -1.29 - 1.25 |
| V | 0.35 | 0.78 | 0.65 | -1.18 - 1.88 |
| VI | 0.82 | 0.88 | 0.35 | -0.90 - 2.55 |
| Mother stayed in school (Ref: Left) | -0.66 | 0.31 | 0.03 | -1.26 - -0.06 |
| Parental separation (Ref: No) | -0.40 | 0.64 | 0.53 | -1.66 - 0.86 |
| Own Highest NVQ Level: NVQ1 level (Ref: No qual.) | -1.35 | 0.75 | 0.07 | -2.83 - 0.13 |
| NVQ2 level | -0.60 | 0.78 | 0.45 | -2.13 - 0.94 |
| NVQ3 level | -1.57 | 0.70 | 0.03 | -2.96 - -0.19 |
| NVQ4 level | -1.54 | 0.73 | 0.03 | -2.97 - -0.11 |
| NVQ5 level | -1.69 | 1.04 | 0.11 | -3.73 - 0.36 |
| Own occupation: Professionals (Ref: Managers) | 0.38 | 0.63 | 0.54 | -0.85 - 1.62 |
| Associate prof. & technical | -0.39 | 0.54 | 0.47 | -1.45 - 0.67 |
| Administrative & secretarial | -0.56 | 0.56 | 0.32 | -1.66 - 0.54 |
| Skilled trades | -0.01 | 0.53 | 0.98 | -1.05 - 1.02 |
| Personal services | 0.03 | 0.67 | 0.96 | -1.29 - 1.35 |
| Sales & customer services | -0.99 | 0.66 | 0.13 | -2.28 - 0.30 |
| Process, plant & machine | 1.32 | 0.82 | 0.11 | -0.29 - 2.93 |
| Elementary operations | 0.56 | 0.81 | 0.49 | -1.03 - 2.15 |
| Marital status: Cohabiting (Ref: Married) | -0.07 | 0.44 | 0.87 | -0.92 - 0.78 |
| Not living with a partner | 2.96 | 0.49 | 0.00 | 2.00 - 3.92 |
| Region different than age 10 (Ref=Same) | -1.07 | 0.34 | 0.00 | -1.74 - -0.39 |
| Which parent alive = Mother (Ref: Both) | 1.33 | 0.33 | 0.00 | 0.69 - 1.98 |
| Father | 0.72 | 0.48 | 0.14 | -0.23 - 1.67 |
| Constant | -1.49 | 1.29 | 0.25 | -4.02 - 1.04 |
|  |  |  |  |  |
| Observations | 9,607 |  |  |  |

| **1958 Age 55** | Linear regression: Hours | | | |
| --- | --- | --- | --- | --- |
|  | Coef. | SE | p | 95% CI |
| Gender & siblings: Female, brother(s) (Ref: Male, brother(s)) | 1.97 | 0.83 | 0.02 | 0.35 - 3.60 |
| Male, sister(s) | -0.57 | 0.69 | 0.41 | -1.91 - 0.78 |
| Female, sister(s) | 2.19 | 0.97 | 0.02 | 0.29 - 4.09 |
| Male, both | -0.49 | 0.70 | 0.48 | -1.86 - 0.88 |
| Female, both | 2.61 | 0.82 | 0.00 | 1.00 - 4.23 |
| Male, only | 1.20 | 1.15 | 0.30 | -1.05 - 3.45 |
| Female, only | 3.69 | 1.34 | 0.01 | 1.07 - 6.31 |
| Mother’s age | 0.28 | 0.05 | 0.00 | 0.18 - 0.38 |
| Parental social class: II (Ref: I) | 1.60 | 1.00 | 0.11 | -0.36 - 3.56 |
| III non-manual | 1.04 | 1.01 | 0.30 | -0.94 - 3.03 |
| IV manual | 0.70 | 0.91 | 0.44 | -1.09 - 2.49 |
| V | 0.93 | 1.06 | 0.38 | -1.16 - 3.01 |
| VI | 2.74 | 1.22 | 0.02 | 0.35 - 5.13 |
| Mother stayed in school (Ref: Left) | 0.27 | 0.45 | 0.55 | -0.62 - 1.16 |
| Parental separation (Ref: No) | -1.12 | 1.06 | 0.29 | -3.19 - 0.96 |
| Own Highest NVQ Level: NVQ1 level (Ref: No qual.) | -1.93 | 1.13 | 0.09 | -4.14 - 0.28 |
| NVQ2 level | -1.50 | 1.09 | 0.17 | -3.63 - 0.64 |
| NVQ3 level | -2.26 | 1.00 | 0.02 | -4.22 - -0.30 |
| NVQ4 level | -3.05 | 0.98 | 0.00 | -4.98 - -1.12 |
| NVQ5 level | -2.70 | 1.45 | 0.06 | -5.54 - 0.15 |
| Own occupation: Professionals (Ref: Managers) | -0.13 | 0.85 | 0.87 | -1.80 - 1.54 |
| Associate prof. & technical | 1.20 | 0.89 | 0.18 | -0.56 - 2.95 |
| Administrative & secretarial | 0.15 | 0.77 | 0.85 | -1.36 - 1.66 |
| Skilled trades | 0.94 | 0.67 | 0.16 | -0.38 - 2.26 |
| Personal services | 0.17 | 0.92 | 0.85 | -1.62 - 1.97 |
| Sales & customer services | 0.76 | 1.18 | 0.52 | -1.55 - 3.08 |
| Process, plant & machine | 0.92 | 1.02 | 0.37 | -1.07 - 2.91 |
| Elementary operations | 1.69 | 1.15 | 0.14 | -0.57 - 3.95 |
| Marital status: Cohabiting (Ref: Married) | 0.43 | 0.69 | 0.54 | -0.93 - 1.78 |
| Not living with a partner | 3.96 | 0.51 | 0.00 | 2.96 - 4.95 |
| Region different than age 10 (Ref=Same) | -0.74 | 0.57 | 0.19 | -1.87 - 0.38 |
| Parent alive: Mother (Ref: Both) | 1.23 | 0.44 | 0.01 | 0.37 - 2.09 |
| Father | 1.38 | 0.65 | 0.03 | 0.10 - 2.66 |
| Constant | -3.25 | 1.86 | 0.08 | -6.90 - 0.41 |
|  |  |  |  |  |
| Observations | 9,339 |  |  |  |

**Table A2.7 Percentage reporting providing financial help to a parent regularly or frequently, by gender and sibling group composition**

|  |  |  |  |
| --- | --- | --- | --- |
| Financial help | 1970 Cohort | 1958 Cohort |  |
|  | Age 38 | Age 50 | Age 55 |
|  | % | % | % |
| Female, sister(s) | 4.9 | 6.0 | 9.7 |
| Male, sister(s) | 6.6 | 7.4 | 9.8 |
| Female, both | 8.2 | 6.8 | 10.1 |
| Male, both | 10.8 | 8.4 | 10.9 |
| Female, brother(s) | 5.2 | 7.0 | 11.6 |
| Male, brother(s) | 7.2 | 9.3 | 13.2 |
| Female, only | 6.7 | 11.6 | 14.1 |
| Male, only | 7.1 | 15.8 | 16.7 |
| *Observations* | *17,255* | *12,775* | *11,339* |

**Table A2.8 Linear Regression: Mental health/ Wellbeing**

| **1970 Cohort** | **Panel A - Sample: All** | | | | **Panel C - Sample: All** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Mental Health: Malaise Scale – Age 42 | | | | Wellbeing: WEMWBS – Age 42 | | | |
|  | Coef. | SE | p | 95% CI | Coef. | SE | p | 95% CI |
| **Model 1** |  |  |  |  |  |  |  |  |
| Parent-care type: Helper (Ref: No Help) | 0.12 | 0.05 | 0.02 | 0.02 - 0.22 | -0.63 | 0.24 | 0.01 | -1.10 - -0.17 |
| Carer | 0.36 | 0.06 | 0.00 | 0.23 - 0.48 | -1.13 | 0.25 | 0.00 | -1.63 - -0.64 |
| Female (Ref=Male) | 0.37 | 0.05 | 0.00 | 0.28 - 0.46 | 0.30 | 0.20 | 0.13 | -0.09 - 0.69 |
| Constant | 1.68 | 0.04 | 0.00 | 1.61 - 1.75 | 48.86 | 0.17 | 0.00 | 48.52 - 49.19 |
| **Model 2** |  |  |  |  |  |  |  |  |
| Only Child (Ref=Sibling) | 0.12 | 0.09 | 0.20 | -0.06 - 0.30 | 0.15 | 0.34 | 0.66 | -0.52 - 0.83 |
| Parent-care type= Helper (Ref: No Help) | 0.12 | 0.05 | 0.03 | 0.01 - 0.22 | -0.64 | 0.24 | 0.01 | -1.10 - -0.17 |
| Carer | 0.35 | 0.06 | 0.00 | 0.23 - 0.48 | -1.14 | 0.25 | 0.00 | -1.63 - -0.64 |
| Female (Ref=Male) | 0.37 | 0.05 | 0.00 | 0.28 - 0.46 | 0.30 | 0.20 | 0.13 | -0.09 - 0.69 |
| Constant | 1.67 | 0.04 | 0.00 | 1.60 - 1.74 | 48.84 | 0.17 | 0.00 | 48.51 - 49.18 |
| **Model 3** |  |  |  |  |  |  |  |  |
| Only Child (Ref=Sibling) | 0.17 | 0.12 | 0.16 | -0.07 - 0.40 | -0.08 | 0.47 | 0.87 | -1.01 - 0.85 |
| Parent-care type= Helper (Ref: No Help) | 0.12 | 0.05 | 0.03 | 0.01 - 0.22 | -0.67 | 0.24 | 0.01 | -1.15 - -0.19 |
| Carer | 0.37 | 0.06 | 0.00 | 0.25 - 0.50 | -1.20 | 0.26 | 0.00 | -1.70 - -0.69 |
| Interaction: Only#Helper | -0.03 | 0.16 | 0.85 | -0.35 - 0.29 | 0.33 | 0.66 | 0.62 | -0.97 - 1.62 |
| Only#Carer | -0.20 | 0.19 | 0.30 | -0.57 - 0.17 | 0.60 | 0.75 | 0.42 | -0.86 - 2.06 |
| Female (Ref=Male) | 0.37 | 0.05 | 0.00 | 0.28 - 0.46 | 0.30 | 0.20 | 0.13 | -0.09 - 0.69 |
| Constant | 1.67 | 0.04 | 0.00 | 1.59 - 1.74 | 48.86 | 0.17 | 0.00 | 48.53 - 49.20 |
|  |  |  |  |  |  |  |  |  |
| Observations | 16,703 |  |  |  | 16,703 |  |  |  |

| **1970 Cohort** | **Panel B - Sample: Helpers & Carers** | | | | **Panel D - Sample: Helpers & Carers** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Mental Health: Malaise Scale – Age 42 | | | | Wellbeing: WEMWBS – Age 42 | | | |
|  | Coef. | SE | p | 95% CI | Coef. | SE | p | 95% CI |
| **Model 1** |  |  |  |  |  |  |  |  |
| Caregiving hours | 0.03 | 0.01 | 0.00 | 0.02 - 0.05 | -0.12 | 0.02 | 0.00 | -0.17 - -0.08 |
| Female (Ref=Male) | 0.48 | 0.07 | 0.00 | 0.35 - 0.62 | -0.16 | 0.26 | 0.53 | -0.66 - 0.34 |
| Constant | 1.69 | 0.05 | 0.00 | 1.59 - 1.79 | 48.86 | 0.20 | 0.00 | 48.47 - 49.24 |
| **Model 2** |  |  |  |  |  |  |  |  |
| Only Child (Ref=Sibling) | -0.01 | 0.11 | 0.91 | -0.23 - 0.20 | 0.65 | 0.47 | 0.16 | -0.27 - 1.57 |
| Caregiving hours | 0.03 | 0.01 | 0.00 | 0.02 - 0.05 | -0.13 | 0.02 | 0.00 | -0.17 - -0.08 |
| Female (Ref=Male) | 0.48 | 0.07 | 0.00 | 0.35 - 0.62 | -0.17 | 0.26 | 0.52 | -0.67 - 0.34 |
| Constant | 1.69 | 0.05 | 0.00 | 1.59 - 1.79 | 48.79 | 0.20 | 0.00 | 48.40 - 49.18 |
| **Model 3** |  |  |  |  |  |  |  |  |
| Only Child (Ref=Sibling) | -0.01 | 0.12 | 0.91 | -0.25 - 0.22 | 0.60 | 0.50 | 0.23 | -0.38 - 1.59 |
| Caregiving hours | 0.03 | 0.01 | 0.00 | 0.02 - 0.05 | -0.13 | 0.02 | 0.00 | -0.17 - -0.08 |
| Interaction: Only#Hours | 0.00 | 0.02 | 0.95 | -0.03 - 0.03 | 0.01 | 0.06 | 0.83 | -0.10 - 0.12 |
| Female (Ref=Male) | 0.48 | 0.07 | 0.00 | 0.35 - 0.62 | -0.17 | 0.26 | 0.52 | -0.67 - 0.34 |
| Constant | 1.69 | 0.05 | 0.00 | 1.59 - 1.80 | 48.80 | 0.20 | 0.00 | 48.41 - 49.19 |
|  |  |  |  |  |  |  |  |  |
| Observations | 12,003 |  |  |  | 12,003 |  |  |  |

*Note: Panels A and B: Higher scores on the 9-item Malaise scale indicate greater psychological distress. Panels C and D: Warwick-Edinburgh Mental Wellbeing Scale (WEMWBS): Higher scores indicate higher wellbeing.*

| **1958 Cohort** | **Panel A - Sample: All** | | | | **Panel B - Sample: All** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Mental Health: Malaise Scale (Age 50) | | | | Wellbeing: CASP-6 (Age 55) | | | |
|  | Coef. | SE | p | 95% CI | Coef. | SE | p | 95% CI |
| **Model 1** |  |  |  |  |  |  |  |  |
| Parent-care type: Helper (Ref: No Help) | -0.07 | 0.05 | 0.16 | -0.17 - 0.03 | 0.02 | 0.13 | 0.91 | -0.24 - 0.27 |
| Carer | 0.16 | 0.07 | 0.02 | 0.03 - 0.29 | -0.10 | 0.16 | 0.54 | -0.40 - 0.21 |
| Female (Ref=Male) | 0.57 | 0.04 | 0.00 | 0.48 - 0.66 | -0.01 | 0.11 | 0.93 | -0.23 - 0.21 |
| Constant | 1.22 | 0.04 | 0.00 | 1.14 - 1.30 | 18.40 | 0.12 | 0.00 | 18.17 - 18.63 |
| **Model 2** |  |  |  |  |  |  |  |  |
| Only Child (Ref=Sibling) | -0.14 | 0.10 | 0.15 | -0.32 - 0.05 | 0.10 | 0.25 | 0.70 | -0.39 - 0.58 |
| Parent-care type= Helper (Ref: No Help) | -0.07 | 0.05 | 0.18 | -0.17 - 0.03 | 0.01 | 0.13 | 0.92 | -0.24 - 0.27 |
| Carer | 0.17 | 0.07 | 0.01 | 0.03 - 0.30 | -0.10 | 0.16 | 0.53 | -0.41 - 0.21 |
| Female (Ref=Male) | 0.57 | 0.04 | 0.00 | 0.48 - 0.66 | -0.01 | 0.11 | 0.92 | -0.24 - 0.21 |
| Constant | 1.23 | 0.04 | 0.00 | 1.15 - 1.31 | 18.40 | 0.12 | 0.00 | 18.16 - 18.63 |
| **Model 3** |  |  |  |  |  |  |  |  |
| Only Child (Ref=Sibling) | -0.03 | 0.13 | 0.80 | -0.30 - 0.23 | 0.08 | 0.41 | 0.83 | -0.71 - 0.88 |
| Parent-care type= Helper (Ref: No Help) | -0.06 | 0.05 | 0.29 | -0.16 - 0.05 | 0.04 | 0.14 | 0.79 | -0.23 - 0.30 |
| Carer | 0.17 | 0.07 | 0.02 | 0.03 - 0.32 | -0.13 | 0.16 | 0.41 | -0.45 - 0.18 |
| Interaction: Only#Helper | -0.17 | 0.18 | 0.33 | -0.52 - 0.18 | -0.30 | 0.49 | 0.54 | -1.26 - 0.66 |
| Only#Carer | -0.14 | 0.22 | 0.53 | -0.57 - 0.30 | 0.40 | 0.50 | 0.43 | -0.58 - 1.37 |
| Female (Ref=Male) | 0.57 | 0.04 | 0.00 | 0.49 - 0.66 | -0.01 | 0.11 | 0.94 | -0.23 - 0.21 |
| Constant | 1.22 | 0.04 | 0.00 | 1.14 - 1.31 | 18.39 | 0.12 | 0.00 | 18.16 - 18.63 |
|  |  |  |  |  |  |  |  |  |
| Observations | 12,775 |  |  |  | 11,339 |  |  |  |

| **1958 Cohort** | **Panel B - Sample: Helpers & Carers** | | | | **Panel D - Sample: Helpers & Carers** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Mental Health: Malaise Scale - Age 50 | | | | Wellbeing: CASP-6 - Age 55 | | | |
|  | Coef. | SE | p | 95% CI | Coef. | SE | p | 95% CI |
| **Model 1** |  |  |  |  |  |  |  |  |
| Caregiving hours | 0.02 | 0.00 | 0.00 | 0.01 - 0.03 | -0.02 | 0.01 | 0.00 | -0.03 - -0.01 |
| Female (Ref=Male) | 0.55 | 0.06 | 0.00 | 0.44 - 0.67 | 0.04 | 0.12 | 0.72 | -0.19 - 0.28 |
| Constant | 1.17 | 0.04 | 0.00 | 1.10 - 1.25 | 18.48 | 0.10 | 0.00 | 18.29 - 18.68 |
| **Model 2** |  |  |  |  |  |  |  |  |
| Only Child (Ref=Sibling) | -0.24 | 0.10 | 0.01 | -0.43 - -0.05 | 0.13 | 0.24 | 0.58 | -0.34 - 0.60 |
| Caregiving hours | 0.02 | 0.00 | 0.00 | 0.01 - 0.03 | -0.02 | 0.01 | 0.00 | -0.03 - -0.01 |
| Female (Ref=Male) | 0.55 | 0.06 | 0.00 | 0.44 - 0.67 | 0.04 | 0.12 | 0.72 | -0.19 - 0.28 |
| Constant | 1.19 | 0.04 | 0.00 | 1.11 - 1.27 | 18.47 | 0.10 | 0.00 | 18.28 - 18.67 |
| **Model 3** |  |  |  |  |  |  |  |  |
| Only Child (Ref=Sibling) | -0.26 | 0.11 | 0.01 | -0.47 - -0.05 | 0.07 | 0.26 | 0.80 | -0.45 - 0.58 |
| Caregiving hours | 0.02 | 0.00 | 0.00 | 0.01 - 0.03 | -0.02 | 0.01 | 0.00 | -0.04 - -0.01 |
| Interaction: Only#Hours | 0.00 | 0.01 | 0.69 | -0.02 - 0.03 | 0.01 | 0.02 | 0.63 | -0.03 - 0.04 |
| Female (Ref=Male) | 0.55 | 0.06 | 0.00 | 0.44 - 0.67 | 0.04 | 0.12 | 0.72 | -0.19 - 0.28 |
| Constant | 1.19 | 0.04 | 0.00 | 1.11 - 1.27 | 18.48 | 0.10 | 0.00 | 18.28 - 18.68 |
|  |  |  |  |  |  |  |  |  |
| Observations | 9,607 |  |  |  | 9,339 |  |  |  |

*Note: Panels A and B: Higher scores on the 9-item Malaise scale indicate greater psychological distress. Panels C and D: Warwick-Edinburgh Mental Wellbeing Scale (WEMWBS): Higher scores indicate higher wellbeing.*

| **1946 Cohort** | **Panel A - Sample: All** | | | |
| --- | --- | --- | --- | --- |
|  | Mental Health: GHQ | | | |
|  | Coef. | SE | p | 95% CI |
| **Model 1** |  |  |  |  |
| Care recipient: Parent (Ref: No Care) | 0.39 | 0.35 | 0.28 | -0.31 - 1.08 |
| Other recipient | 0.96 | 0.42 | 0.02 | 0.14 - 1.78 |
| Female (Ref=Male) | 1.13 | 0.28 | 0.00 | 0.57 - 1.69 |
| Constant | 1.35 | 0.25 | 0.00 | 0.86 - 1.83 |
| **Model 2** |  |  |  |  |
| Only Child (Ref=Sibling) | 0.09 | 0.38 | 0.82 | -0.65 - 0.82 |
| Care recipient: Parent (Ref: No Care) | 0.38 | 0.35 | 0.29 | -0.32 - 1.07 |
| Other recipient | 0.96 | 0.41 | 0.02 | 0.15 - 1.77 |
| Female (Ref=Male) | 1.13 | 0.28 | 0.00 | 0.57 - 1.69 |
| Constant | 1.34 | 0.25 | 0.00 | 0.84 - 1.83 |
| **Model 3** |  |  |  |  |
| Only Child (Ref=Sibling) | -0.07 | 0.46 | 0.88 | -0.96 - 0.83 |
| Care recipient: Parent (Ref: No Care) | 0.34 | 0.36 | 0.35 | -0.37 - 1.05 |
| Other recipient | 0.92 | 0.42 | 0.03 | 0.10 - 1.75 |
| Interaction: Only#Parent | 0.25 | 0.57 | 0.66 | -0.87 - 1.37 |
| Only#Other | 0.26 | 0.81 | 0.75 | -1.33 - 1.86 |
| Female (Ref=Male) | 1.13 | 0.29 | 0.00 | 0.57 - 1.69 |
| Constant | 1.35 | 0.25 | 0.00 | 0.86 - 1.85 |
|  |  |  |  |  |
| Observations | 2,364 |  |  |  |

| **1946 Cohort** | **Panel B - Sample: Carers** | | | |
| --- | --- | --- | --- | --- |
|  | Mental Health: GHQ | | | |
|  | Coef. | SE | p | 95% CI |
| **Model 1** |  |  |  |  |
| Caregiving hours = 5-9 (Ref: 0-4) | 0.22 | 0.37 | 0.55 | -0.51 - 0.95 |
| 10-19 | 0.25 | 0.59 | 0.66 | -0.90 - 1.41 |
| 20+ | 0.64 | 0.80 | 0.42 | -0.92 - 2.20 |
| Female (Ref=Male) | 1.11 | 0.36 | 0.00 | 0.41 - 1.81 |
| Constant | 1.77 | 0.31 | 0.00 | 1.15 - 2.38 |
| **Model 2** |  |  |  |  |
| Only Child (Ref=Sibling) | 0.62 | 0.57 | 0.28 | -0.50 - 1.74 |
| Caregiving hours = 5-9 (Ref: 0-4) | 0.24 | 0.38 | 0.52 | -0.50 - 0.98 |
| 10-19 | 0.29 | 0.60 | 0.63 | -0.88 - 1.46 |
| 20+ | 0.69 | 0.81 | 0.39 | -0.89 - 2.28 |
| Female (Ref=Male) | 1.09 | 0.36 | 0.00 | 0.39 - 1.79 |
| Constant | 1.67 | 0.33 | 0.00 | 1.02 - 2.32 |
| **Model 3** |  |  |  |  |
| Only Child (Ref=Sibling) | 0.42 | 0.65 | 0.52 | -0.85 - 1.69 |
| Caregiving hours = 5-9 (Ref: 0-4) | 0.18 | 0.37 | 0.62 | -0.54 - 0.91 |
| 10-19 | 0.25 | 0.60 | 0.68 | -0.92 - 1.42 |
| 20+ | 0.63 | 0.80 | 0.43 | -0.94 - 2.20 |
| Interaction: Only#5-9 | 0.37 | 0.76 | 0.63 | -1.12 - 1.85 |
| Only#10-19 | 0.22 | 1.26 | 0.86 | -2.26 - 2.70 |
| Only#20+ | 0.46 | 1.25 | 0.71 | -2.00 - 2.92 |
| Female (Ref=Male) | 1.09 | 0.36 | 0.00 | 0.39 - 1.79 |
| Constant | 1.70 | 0.32 | 0.00 | 1.08 - 2.32 |
|  |  |  |  |  |
| Observations | 2,121 |  |  |  |

*Note: Panels A and B: Higher scores on the GHQ scale indicate greater psychological distress.*