Appendix

Table 1

*Associations between registrations*

Only observations during marriage (with or without children) are included.

*OR (95% CIs) – men above and women below the diagonal*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Drug | Hospital | Out patient | Crime |
| Drug | 1 | 23.58 (18.24, 30.47) | 54.97 (44.90, 67.31) | 24.24 (18.38, 31.97) |
| Hospital | 38.96 (26.98, 56.25) | 1 | 42.28 (33.78, 52.91) | 20.78 (15.37, 28.11) |
| Out patient | 91.43 (68.08, 122.80) | 53.99 (39.95, 72.96) | 1 | 23.26 (17.19, 31.49) |
| Crime | 98.78 (52.32, 186.52) | 67.55 (35.85, 127.28) | 57.83 (27.89, 119.92) | 1 |

*Yule’s Y– men above and women below the diagonal*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Drug | Hospital | Out patient | Crime |
| Drug | 1 | 0.658 | 0.762 | 0.662 |
| Hospital | 0.724 | 1 | 0.733 | 0.640 |
| Out patient | 0.811 | 0.760 | 1 | 0.657 |
| Crime | 0.817 | 0.783 | 0.768 | 1 |

Table 2 – Main Analyses (see in table 2 of the paper) Repeated on Cohorts Born 1960-69, 1970-79 and 1980-89.

***Birth cohort 1960 to 1969***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ***Females*** | | ***Males*** | | ***p-value for sex diff*** |
|  | ***HRs*** | ***p-value*** | ***HRs*** | ***p-value*** |
| Child under 7 vs no child | 0.34 (0.29, 0.40) | <0.001 | 0.61 (0.55, 0.67) | <0.001 | <0.001 |
| Child 8 to 18 vs no child | 0.55 (0.47, 0.63) | <0.001 | 0.72 (0.65, 0.81) | <0.001 | <0.001 |
| Child 8 to 18 vs child under 7 | 1.61 (1.37, 1.89) | <0.001 | 1.20 (1.08, 1.33) | 0.001 | 0.001 |

***Birth cohort 1970 to 1979***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ***Females*** | | ***Males*** | | ***p-value for sex diff*** |
|  | ***HRs*** | ***p-value*** | ***HRs*** | ***p-value*** |
| Child under 7 vs no child | 0.41 (0.34, 0.49) | <0.001 | 0.71 (0.62, 0.81) | <0.001 | <0.001 |
| Child 8 to 18 vs no child | 0.69 (0.49, 0.97) | <0.001 | 1.09 (0.82, 1.46) | 0.562 | 0.03 |
| Child 8 to 18 vs child under 7 | 1.70 (1.23, 1.35) | 0.001 | 1.53 (1.17, 2.02) | <0.001 | 0.628 |

Table 3

Analysis of the Impact of the Age of Children on Parental Risk for AUD in Families with only One Child

***Descriptive***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | *Males* | | *Females* | |
|  | Total number | AUD in state (% of number in state) | Total number | AUD in state (% of number in state) |
| ***Married, any time*** | 55,580 | 540 (1.0%) | 59,347 | 252 (0.4%) |
| Married, no children | 17,667 | 194 (1.1%) | 20,078 | 133 (0.7%) |
| Married, child under 7, LW | 50,331 | 342 (0.7%) | 52,380 | 113 (0.2%) |
| Married, child 8 to 18, LW | 12,405 | 148 (1.2%) | 13,113 | 93 (0.7%) |

***Parameter estimates***

|  |  |  |
| --- | --- | --- |
|  | ***Frailty model*** | |
|  | ***HRs*** | ***p - value*** |
| Male vs. female | 2.37 (1.42, 3.92) | <0.001 |
| Child under 7, LW vs no child | 0.28 (0.18, 0.43) | <0.001 |
| Child 8 to 18, LW vs no child | 0.73 (0.48, 1.12) | <0.15 |
| Interaction child under 7 and sex | 1.83 (1.07, 3.14) | 0.027 |
| Interaction child 8 to 18 and sex | 1.06 (0.62, 1.81) | 0.83 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ***Females*** | | ***Males*** | | ***p-value for sex diff*** |
|  | ***HRs*** | ***p-value*** | ***HRs*** | ***p-value*** |
| Child under 7 vs no child | 0.28 (0.18, 0.43) | <0.001 | 0.51 (0.35, 0.74) | <0.001 | 0.027 |
| Child 8 to 18 vs no child | 0.73 (0.48, 1.12) | <0.15 | 0.77 (0.54, 1.10) | 0.148 | 0.83 |
| Child 8 to 18 vs child under 7 | 2.63 (1.90, 3.63) | <0.001 | 1.52 (1.18, 1.96) | 0.0013 | 0.006 |