**SUPPLEMENTARY ONLINE MATERIAL**

**Supplementary Table S1.** Total, direct, total indirect, and specific indirect effects (probit estimates) of parental separation, educational level, and current social disadvantage on case-control status (n = 781).

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Outcome: Case-Control Status** | | | | | | | | | |
|  | **Unadj. probit estimate β a** | **95% CI** | **p** | **Adj. probit estimate β †** | **95% CI** | **p** | **Adj. probit estimate β ††** | **95% CI** | **p** | **% of total effect** |
| **Parental separation (vs. none)** |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 0.58 | 0.35-0.80 | <0.001 | 0.25 | 0.01-0.50 | 0.048 | 0.21 | -0.07-0.46 | 0.125 | 43.3 |
| Total indirect effect | 0.28 | 0.17-0.41 | <0.001 | 0.27 | 0.13-0.43 | 0.001 | 0.27 | 0.13-0.45 | 0.001 | 56.7 |
| Specific indirect effects |  |  |  |  |  |  |  |  |  |  |
| No qualifications | 0.06 | 0.03-0.11 | 0.087 | 0.18 | 0.07-0.32 | 0.006 | 0.19 | 0.07-0.35 | 0.008 | 39.3 |
| Current disadvantage | 0.17 | 0.07-0.26 | 0.001 | 0.02 | -0.06-0.10 | 0.572 | 0.01 | -0.07-0.09 | 0.754 | 2.7 |
| No qualifications – Current disadvantage | 0.06 | 0.03-0.11 | 0.004 | 0.07 | 0.04-0.12 | 0.001 | 0.07 | 0.04-0.12 | 0.001 | 14.9 |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 0.86 | 0.63-1.10 | <0.001 | 0.52 | 0.25-0.77 | <0.001 | 0.48 | 0.19-0.74 | 0.001 |  |
| **Parental death (vs. none)** |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 0.56 | 0.10-1.07 | 0.022 | 0.53 | 0.00-1.10 | 0.063 | 0.50 | -0.07-1.11 | 0.106 | 86.4 |
| Total indirect effect | 0.28 | 0.08-0.48 | 0.001 | 0.07 | -0.20-0.32 | 0.591 | 0.08 | -0.19-0.33 | 0.558 | 13.6 |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 0.84 | 0.37- 1.36 | 0.001 | 0.60 | 0.05-1.19 | 0.042 | 0.57 | -0.01-1.22 | 0.067 |  |

† Adjusted for: age, gender, ethnicity, and study centre

†† Adjusted for age, gender, ethnicity, study centre, and parental history of psychosis

a Separation by ethnicity (white British, black Caribbean, and black African)

|  |  |  |
| --- | --- | --- |
| *White British* | Direct effect | Unadj. β 0.60\*\* (0.35-0.85) |
|  | Total indirect effect | Unadj. β 0.19\* (0.04-0.34) |
|  | Total effect | Unadj. β 0.80\*\* (0.53-1.07) |
| *Black Caribbean* | Direct effect | Unadj. β 0.60\*\* (0.35-0.85) |
|  | Total indirect effect | Unadj. β 0.26 (-0.01-0.52) |
|  | Total effect | Unadj. β 0.86\*\* (0.53-1.19) |
| *Black African* | Direct effect | Unadj. β 0.64\*\* (0.35-0.93) |
|  | Total indirect effect | Unadj. β -0.017 (-0.51-0.48) |
|  | Total effect | Unadj. β 0.63\* (0.07-1.18) |

\* p < 0.05; \*\* p < 0.01

**Supplementary Table S2a.** Total, direct, total indirect, and specific indirect effects (odds ratios) of parental separation, educational level, and long-term social disadvantage on case-control status (n = 781).

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Outcome: Case-Control Status** | | | | | | | | | |
|  | **Unadj. OR** | **95% CI** | **p** | **Adj. OR †** | **95% CI** | **p** | **Adj. OR ††** | **95% CI** | **p** | **% of total effect** |
| **Parental separation (vs. none)** |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 2.45 | 1.73-3.47 | <0.001 | 1.88 | 1.29-2.73 | 0.001 | 1.70 | 1.15-2.52 | 0.008 | 24.2 |
| Total indirect effect | 3.46 | 1.99-6.01 | <0.001 | 4.88 | 2.25-10.59 | <0.001 | 5.27 | 2.30-12.07 | <0.001 | 75.8 |
| Specific indirect effects |  |  |  |  |  |  |  |  |  |  |
| No qualifications | 1.50 | 1.08-2.08 | 0.015 | 2.69 | 1.52-4.75 | 0.001 | 2.91 | 1.58-5.38 | 0.001 | 48.8 |
| Long-term disadvantage | 1.79 | 1.33-2.41 | <0.001 | 1.21 | 0.94-1.56 | 0.139 | 1.17 | 0.90-1.52 | 0.244 | 7.2 |
| No qualifications – Current disadvantage | 1.29 | 1.01-1.64 | 0.040 | 1.50 | 1.08-2.08 | 0.015 | 1.55 | 1.09-2.20 | 0.016 | 19.9 |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 8.48 | 4.48-16.05 | <0.001 | 9.16 | 3.99-21.05 | <0.001 | 8.95 | 3.70-21.67 | <0.001 | - |
| **Parental death (vs. none)** |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 3.17 | 1.58-6.38 | 0.001 | 3.00 | 1.45-6.20 | 0.003 | 3.01 | 1.40-6.45 | 0.005 | 79.4 |
| Total indirect effect | 1.35 | 0.54-3.37 | 0.514 | 1.29 | 0.39-4.26 | 0.681 | 1.33 | 0.38-4.70 | 0.657 | 20.6 |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 4.29 | 1.36-13.50 | 0.013 | 3.85 | 0.95-15.58 | 0.058 | 4.01 | 0.92-17.44 | 0.064 | - |

† Adjusted for age, gender, ethnicity, and study centre

†† Adjusted for age, gender, ethnicity, study centre, and parental history of psychosis

**Supplementary Table S2b.** Total, direct, total indirect, and specific indirect effects (probit estimates) of parental separation, educational level, and long-term social disadvantage on case-control status (n = 781).

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Outcome: Case-Control Status** | | | | | | | | | |
|  | **Unadj. probit estimate β** | **95% CI** | **p** | **Adj. probit estimate β †** | **95% CI** | **p** | **Adj. probit estimate β ††** | **95% CI** | **p** | **% of total effect** |
| **Parental separation (vs. none)** |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 0.56 | 0.34-0.78 | <0.001 | 0.24 | -0.01-0.48 | 0.058 | 0.20 | -0.08-0.45 | 0.142 | 41.2 |
| Total indirect effect | 0.30 | 0.18-0.44 | <0.001 | 0.27 | 0.14-0.44 | 0.001 | 0.28 | 0.13-0.46 | 0.001 | 58.8 |
| Specific indirect effects |  |  |  |  |  |  |  |  |  |  |
| No qualifications | 0.09 | 0.03-0.18 | 0.028 | 0.21 | 0.10-0.37 | 0.002 | 0.22 | 0.11-0.39 | 0.003 | 47.1 |
| Long-term disadvantage | 0.18 | 0.09-0.29 | 0.001 | 0.03 | -0.04-0.12 | 0.424 | 0.02 | -0.06-0.11 | 0.596 | 4.7 |
| No qualifications – Current disadvantage | 0.03 | 0.01-0.07 | 0.049 | 0.03 | 0.01-0.07 | 0.043 | 0.03 | 0.01-0.07 | 0.046 | 7.0 |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 0.85 | 0.62-1.09 | <0.001 | 0.51 | 0.25-0.76 | <0.001 | 0.47 | 0.19-0.74 | 0.001 |  |
| **Parental death (vs. none)** |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 0.69 | 0.24-1.18 | 0.005 | 0.60 | 0.08-1.18 | 0.033 | 0.58 | 0.01-1.20 | 0.061 | 98.3 |
| Total indirect effect | 0.15 | -0.07-0.37 | 0.194 | -0.01 | -0.30-0.24 | 0.952 | -0.01 | -0.06-0.01 | 0.933 | 1.7 |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 0.83 | 0.37-1.36 | 0.001 | 0.59 | 0.05-1.18 | 0.042 | 0.57 | 0.01-1.20 | 0.068 |  |

† Adjusted for age, gender, ethnicity, and study centre

†† Adjusted for age, gender, ethnicity, study centre, and parental history of psychosis

**Supplementary Table S3a.** Total, direct, total indirect, and specific indirect effects (odds ratios) of parental separation, educational level, and current social disadvantage on case-control status in restricted sample with very short DUP (< 1 month) (n = 545).

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Outcome: Case-Control Status** | | | | | | | | | |
|  | **Unadj. OR** | **95% CI** | **p** | **Adj. OR †** | **95% CI** | **p** | **Adj. OR ††** | **95% CI** | **p** | **% of total effect** |
| **Parental separation (vs. none)** |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 2.60 | 1.68-4.01 | <0.001 | 1.75 | 1.07-2.87 | 0.025 | 1.60 | 0.95-2.69 | 0.080 | 21.4 |
| Total indirect effect | 2.51 | 1.44-4.40 | 0.001 | 4.87 | 1.93-12.33 | 0.001 | 5.55 | 2.06-14.94 | 0.001 | 78.6 |
| Specific indirect effects |  |  |  |  |  |  |  |  |  |  |
| No qualifications | 1.52 | 1.00-2.30 | 0.048 | 3.02 | 1.40-6.53 | 0.005 | 3.39 | 1.46-7.89 | 0.005 | 56.0 |
| Current disadvantage | 1.31 | 1.10-1.57 | 0.003 | 1.11 | 0.96-1.29 | 0.166 | 1.11 | 0.95-1.30 | 0.174 | 4.9 |
| No qualifications – Current disadvantage | 1.26 | 1.03-1.55 | 0.022 | 1.45 | 1.09-1.93 | 0.011 | 1.47 | 1.09-1.99 | 0.012 | 17.7 |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 6.53 | 3.27-13.05 | <0.001 | 8.55 | 3.12-23.43 | <0.001 | 8.85 | 3.07-25.51 | <0.001 | - |
| **Parental death (vs. none)** |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 2.85 | 1.21-6.74 | 0.017 | 2.54 | 1.01-6.43 | 0.048 | 2.09 | 0.75-5.60 | 0.157 | 51.8 |
| Total indirect effect | 1.44 | 0.54-3.88 | 0.468 | 1.68 | 0.37-7.61 | 0.504 | 1.98 | 0.43-9.13 | 0.379 | 48.2 |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 4.12 | 1.12-15.17 | 0.033 | 4.27 | 0.73-24.98 | 0.108 | 4.15 | 0.66-25.87 | 0.128 | - |

† Adjusted for age, gender, ethnicity, and study centre

†† Adjusted for age, gender, ethnicity, study centre, and parental history of psychosis

**Supplementary Table S3b.** Total, direct, total indirect, and specific indirect effects (probit estimates) of parental separation, educational level, and current social disadvantage on case-control status in restricted sample with very short DUP (< 1 month) (n = 545).

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Outcome: Case-Control Status** | | | | | | | | | |
|  | **Unadj. probit estimate β** | **95% CI** | **p** | **Adj. probit estimate β †** | **95% CI** | **p** | **Adj. probit estimate β ††** | **95% CI** | **p** | **% of total effect** |
| **Parental separation (vs. none)** |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 0.60 | 0.33-0.86 | <0.001 | 0.25 | -0.07-0.55 | 0.122 | 0.19 | -0.13-0.51 | 0.234 | 39.8 |
| Total indirect effect | 0.25 | 0.14-0.42 | <0.001 | 0.27 | 0.11-0.48 | 0.007 | 0.29 | 0.11-0.52 | 0.006 | 60.2 |
| Specific indirect effects |  |  |  |  |  |  |  |  |  |  |
| No qualifications | 0.09 | -0.00-0.23 | 0.070 | 0.22 | 0.08-0.42 | 0.015 | 0.24 | 0.09-0.46 | 0.013 | 49.8 |
| Current disadvantage | 0.12 | 0.03-0.22 | 0.011 | 0.00 | -0.07-0.06 | 0.997 | -0.002 | -0.08-0.06 | 0.954 | 0.4 |
| No qualifications – Current disadvantage | 0.05 | 0.02-0.23 | 0.032 | 0.05 | 0.02-0.10 | 0.027 | 0.05 | 0.02-0.11 | 0.027 | 10.0 |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 0.85 | 0.57-1.14 | <0.001 | 0.51 | 0.16-0.81 | 0.003 | 0.49 | 0.14-0.82 | 0.006 |  |
| **Parental death (vs. none)** |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 0.57 | -0.01-1.14 | 0.057 | 0.40 | -0.30-1.08 | 0.256 | 0.28 | -0.49-0.99 | 0.458 | 73.0 |
| Total indirect effect | 0.26 | 0.01-0.52 | 0.068 | 0.07 | -0.31-0.38 | 0.685 | 0.09 | -0.31-0.40 | 0.628 | 27.0 |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 0.82 | 0.24-1.42 | 0.007 | 0.47 | -0.22-1.16 | 0.183 | 0.37 | -0.36-1.04 | 0.305 |  |

† Adjusted for age, gender, ethnicity, and study centre

†† Adjusted for age, gender, ethnicity, study centre, and parental history of psychosis

**Supplementary Table S4a.** Total, direct, total indirect, and specific indirect effects (odds ratios) of parental separation, educational level, current social disadvantage, and self-esteem on case-control status (n = 535).

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Outcome: Case-Control Status** | | | | | | | | | |
|  | **Unadj. OR** | **95% CI** | **p** | **Adj. OR †** | **95% CI** | **p** | **Adj. OR ††** | **95% CI** | **p** | **% of total effect** |
| **Parental separation (vs. none)** |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 2.55 | 1.65-3.92 | <0.001 | 1.75 | 1.08-2.82 | 0.023 | 1.60 | 0.97-2.65 | 0.064 | 25.2 |
| Total indirect effect | 2.68 | 1.46-4.90 | 0.001 | 3.51 | 1.55-7.98 | 0.003 | 3.99 | 1.65-9.65 | 0.002 | 74.8 |
| Specific indirect effects |  |  |  |  |  |  |  |  |  |  |
| No qualifications | 1.13 | 0.86-1.47 | 0.377 | 1.93 | 1.03-3.64 | 0.041 | 2.15 | 1.08-4.26 | 0.028 | 40.8 |
| Current disadvantage | 1.53 | 1.21-1.93 | <0.001 | 1.16 | 0.95-1.43 | 0.146 | 1.17 | 0.95-1.45 | 0.143 | 8.6 |
| Self-esteem | 1.01 | 0.96-1.08 | 0.648 | 1.02 | 0.95-1.08 | 0.646 | 1.01 | 0.96-1.08 | 0.637 | 0.7 |
| No qualifications – Current disadvantage | 1.22 | 1.00-1.50 | 0.054 | 1.51 | 1.10-2.07 | 0.011 | 1.54 | 1.10-2.14 | 0.011 | 22.9 |
| No qualifications – Self-esteem | 0.99 | 0.96-1.03 | 0.640 | 0.98 | 0.91-1.06 | 0.638 | 0.98 | 0.92-1.05 | 0.576 | 1.0 |
| Current disadvantage – Self-esteem | 1.02 | 1.00-1.04 | 0.045 | 1.01 | 0.99-1.03 | 0.208 | 1.01 | 0.99-1.02 | 0.222 | 0.4 |
| No qual – Curr Disadvant – Self-esteem | 1.01 | 1.00-1.50 | 0.132 | 1.03 | 1.00-1.06 | 0.073 | 1.02 | 1.00-1.05 | 0.096 | 1.3 |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 6.81 | 3.27-14.18 | <0.001 | 6.13 | 2.48-15.20 | <0.001 | 6.41 | 2.44-16.86 | <0.001 | - |
| **Parental death (vs. none)** |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 3.78 | 1.55-9.17 | 0.003 | 3.61 | 1.44-9.07 | 0.006 | 3.67 | 1.40-9.60 | 0.008 | 59.7 |
| Total indirect effect | 0.63 | 1.65-3.92 | 0.522 | 0.41 | 0.06-2.84 | 0.365 | 0.42 | 0.05-3.29 | 0.405 | 40.3 |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 2.39 | 0.47-12.24 | 0.294 | 1.47 | 0.18-12.3 | 0.720 | 1.53 | 0.16-14.50 | 0.713 | - |

† Adjusted for age, gender, ethnicity, and study centre

†† Adjusted for age, gender, ethnicity, study centre, and parental history of psychosis

**Supplementary Table S4b.** Total, direct, total indirect, and specific indirect effects (probit estimates) of parental separation, educational level, current social disadvantage, and self-esteem on case-control status (n = 535).

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Outcome: Case-Control Status** | | | | | | | | | |
|  | **Unadj. probit estimate β** | **95% CI** | **p** | **Adj. probit estimate β †** | **95% CI** | **p** | **Adj. probit estimate β ††** | **95% CI** | **p** | **% of total effect** |
| **Parental separation (vs. none)** |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 0.61 | 0.34-0.89 | <0.001 | 0.23 | -0.14-0.68 | 0.745 | 0.18 | -0.22-0.70 | 0.761 | 37.3 |
| Total indirect effect | 0.32 | 0.16-0.49 | <0.001 | 0.27 | -0.09-0.53 | 0.455 | 0.29 | 0.02-0.60 | 0.390 | 62.7 |
| Specific indirect effects |  |  |  |  |  |  |  |  |  |  |
| No qualifications | 0.02 | -0.03-0.11 | 0.491 | 0.16 | -0.03-0.39 | 0.654 | 0.18 | -0.003-0.43 | 0.575 | 36.1 |
| Current disadvantage | 0.24 | 0.11-0.40 | 0.001 | 0.03 | -0.10-0.18 | 0.867 | 0.04 | -0.11-0.20 | 0.828 | 7.2 |
| Self-esteem | 0.01 | -0.03-0.05 | 0.840 | -0.002 | -0.11-0.07 | 0.988 | -0.001 | -0.23-0.07 | 0.994 | 0.2 |
| No qualifications – Current disadvantage | 0.04 | -0.01-0.11 | 0.072 | 0.08 | -0.03-0.20 | 0.654 | 0.08 | 0.03-0.22 | 0.567 | 16.1 |
| No qualifications – Self-esteem | -0.01 | -0.01-0.01 | 0.769 | -0.002 | -0.04-0.03 | 0.980 | -0.01 | -0.05-0.03 | 0.951 | 1.0 |
| Current disadvantage – Self-esteem | 0.01 | -0.01-0.03 | 0.086 | 0.003 | -0.01-0.02 | 0.914 | 0.003 | -0.01-0.05 | 0.927 | 0.6 |
| No qual – Curr Disadvant – Self-esteem | 0.01 | -0.01-0.01 | 0.222 | 0.01 | -0.002-0.05 | 0.692 | 0.01 | 0.002-0.05 | 0.635 | 1.4 |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 0.93 | 0.62-1.23 | <0.001 | 0.50 | 0.14-0.90 | 0.290 | 0.47 | 0.09-0.92 | 0.323 |  |
| **Parental death (vs. none)** |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 0.81 | 1.19-1.51 | 0.018 | 0.82 | 0.03-1.68 | 0.167 | 0.80 | -0.05-1.74 | 0.225 | 64.5 |
| Total indirect effect | 0.22 | -0.23-0.55 | 0.277 | -0.09 | -0.72-0.33 | 0.829 | -0.08 | -.72-0.37 | 0.874 | 35.5 |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 1.03 | 0.37-1.70 | 0.002 | 0.73 | -0.09-1.55 | 0.098 | 0.72 | -0.14-1.62 | 0.110 |  |

† Adjusted for: age, gender, ethnicity, and study centre

†† Adjusted for age, gender, ethnicity, study centre, and parental history of psychosis

**Supplementary Table S5a.** Total, direct, total indirect, and specific indirect effects (odds ratios) of parental separation, educational level, and current social disadvantage on case-control status in restricted sample with data on premorbid IQ (n = 457).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Outcome: Case-Control Status** | | | | | | | | | | | | |
|  | **Unadj. OR** | **95% CI** | **p** | **Adj. OR1** | **95% CI** | **p** | **Adj. OR2** | **95% CI** | **p** | **Adj. OR3** | **95% CI** | **p** | **% total effect** |
| **Parental separation (vs. none)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 2.69 | 1.69-4.26 | <0.001 | 1.80 | 1.07-3.02 | 0.025 | 1.78 | 1.06-2.99 | 0.029 | 1.48 | 0.86-2.55 | 0.158 | 28.9 |
| Total indirect effect | 2.12 | 1.29-3.48 | 0.003 | 4.74 | 1.72-13.03 | 0.003 | 2.70 | 1.08-6.80 | 0.034 | 2.60 | 1.04-6.60 | 0.040 | 71.1 |
| Specific indirect effects |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No qualifications | 1.09 | 0.81-1.46 | 0.556 | 2.33 | 1.09-5.00 | 0.029 | 1.80 | 0.85-3.83 | 0.127 | 1.79 | 0.84-3.82 | 0.134 | 42.7 |
| Current disadvantage | 1.48 | 1.15-1.92 | 0.003 | 1.11 | 0.87-1.40 | 0.403 | 1.08 | 0.86-1.35 | 0.526 | 1.08 | 0.86-1.36 | 0.504 | 5.7 |
| No qual – Current disadv | 1.31 | 1.00-1.71 | 0.047 | 1.83 | 1.19-2.83 | 0.006 | 1.40 | 0.99-1.98 | 0.059 | 1.36 | 0.97-1.90 | 0.071 | 22.6 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 5.70 | 2.94-11.06 | <0.001 | 8.52 | 2.87-25.30 | <0.001 | 4.82 | 1.75-13.28 | 0.002 | 3.89 | 1.40-10.77 | 0.009 | - |
| **Parental death (vs. none)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 3.86 | 1.36-10.92 | 0.011 | 5.02 | 1.66-15.17 | 0.004 | 5.12 | 1.70-15.46 | 0.004 | 5.40 | 1.73-16.89 | 0.004 | 82.4 |
| Total indirect effect | 0.95 | 0.35-2.55 | 0.923 | 0.62 | 0.10-3.86 | 0.611 | 0.66 | 0.15-2.94 | 0.581 | 0.70 | 0.16-3.08 | 0.634 | 17.6 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 3.67 | 0.89-15.13 | 0.072 | 3.13 | 0.38-25.66 | 0.288 | 3.36 | 0.54-21.05 | 0.196 | 3.77 | 0.59-23.95 | 0.160 | - |

1 Adjusted for age, gender, ethnicity, and study centre

2 Adjusted for age, gender, ethnicity, study centre and premorbid IQ

3 Adjusted for age, gender, ethnicity, study centre, premorbid IQ, and parental history of psychosis

**Supplementary Table S5b.** Total, direct, total indirect, and specific indirect effects (probit estimates) of parental separation, educational level, and current social disadvantage on case-control status in restricted sample with data on premorbid IQ (n = 457).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Outcome: Case-Control Status** | | | | | | | | | | | | |
|  | **Unadj. β** | **95% CI** | **p** | **Adj. β1** | **95% CI** | **p** | **Adj. β2** | **95% CI** | **p** | **Adj. β3** | **95% CI** | **p** | **% total eff.** |
| **Parental separation (vs. none)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 0.60 | 0.29-0.91) | <0.001 | 0.17 | -0.22-0.53 | 0.354 | 0.18 | -0.21-0.54 | 0.341 | 0.09 | -0.30-0.45 | 0.634 | 44.0 |
| Total indirect effect | 0.30 | 0.14-0.49 | 0.001 | 0.28 | 0.07-0.53 | 0.021 | 0.16 | -0.02-0.39 | 0.135 | 0.16 | -0.03-0.39 | 0.150 | 66.0 |
| Specific indirect effects |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No qualifications | 0.02 | -0.04-0.11 | 0.592 | 0.20 | 0.05-0.41 | 0.045 | 0.12 | -0.10-0.33 | 0.158 | 0.11 | -0.02-0.33 | 0.191 | 42.5 |
| Current disadvantage | 0.23 | 0.08-0.39 | 0.004 | -0.02 | -0.15-0.10 | 0.766 | -0.02 | -0.15-0.10 | 0.767 | -0.01 | -0.14-0.11 | 0.864 | 4.1 |
| No qualifications – Current disadvantage | 0.06 | 0.01-0.13 | 0.046 | 0.10 | 0.04-0.20 | 0.009 | 0.06 | 0.01-0.13 | 0.061 | 0.05 | 0.01-0.13 | 0.078 | 19.4 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 0.90 | 0.57-1.23 | <0.001 | 0.45 | 0.08-0.82 | 0.018 | 0.34 | -0.03-0.69 | 0.066 | 0.25 | -0.12-0.61 | 0.185 |  |
| **Parental death (vs. none)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Direct effect | 0.84 | 0.13-1.69 | 0.093 | 0.97 | 0.10-2.03 | 0.062 | 0.961 | 0.17-1.95 | 0.040 | 1.00 | 0.10-1.99 | 0.039 | 97.7 |
| Total indirect effect | 0.20 | -0.22-0.60 | 0.360 | -0.04 | -0.65-0.45 | 0.900 | -0.001 | -0.45-0.36 | 0.995 | 0.02 | -0.45-0.43 | 0.911 | 2.3 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total effect** | 1.04 | 0.29-1.91 | 0.039 | 0.93 | 0.03-2.00 | 0.068 | 0.960 | 0.09-1.94 | 0.045 | 1.03 | 0.11-2.06 | 0.038 |  |

1 Adjusted for: age, gender, ethnicity, and study centre

2 Adjusted for: age, gender, ethnicity, study centre and premorbid IQ

3 Adjusted for: age, gender, ethnicity, study centre, premorbid IQ, and parental history of psychosis