Data supplement

| Variable | $n$ | Permanently sick or disabled, $n$ (\%) | Test for trend |
| :---: | :---: | :---: | :---: |
| School absence |  |  |  |
| 0-12.5\% | 6917 | 369 (5.3) | $\chi^{2}=0.62$ |
| 12.5-25\% | 143 | 11 (7.7) | $P=0.43$ |
| > $25 \%$ | 24 | 1 (4.2) |  |
| Rutter B |  |  |  |
| Often complains of pains or aches |  |  |  |
| No | 6787 | 349 (5.1) | $\chi^{2}=34.0$ |
| Somewhat | 178 | 19 (10.7) | $P<0.001$ |
| Certainly | 37 | 9 (24.3) |  |
| Tends to be fearful or afraid |  |  |  |
| No | 5974 | 314 (5.3) | $\chi^{2}=3.1$ |
| Somewhat | 920 | 52 (5.7) | $P=0.08$ |
| Certainly | 102 | 11 (10.8) |  |
| Often appears miserable or unhappy |  |  |  |
| No | 6506 | 339 (5.2) | $\chi^{2}=12.1$ |
| Somewhat | 453 | 28 (6.2) | $P<0.001$ |
| Certainly | 43 | 10 (23.3) |  |
| Tends to be absent for trivial reasons |  |  |  |
| No | 6704 | 342 (5.1) | $\chi^{2}=24.8$ |
| Somewhat | 233 | 26 (11.2) | $P<0.001$ |
| Certainly | 65 | 9 (13.9) |  |
| Gender |  |  |  |
| Male | 3427 | 176 (5.1) | $\chi^{2}=1.45$ |
| Female | 3734 | 216 (5.8) | $P=0.23$ |
| Year of birth |  |  |  |
| 1950 | 328 | 37 (11.3) | $\chi^{2}=15.0$ |
| 1951 | 1385 | 85 (6.1) | $P=0.001$ |
| 1952 | 1387 | 77 (5.6) |  |
| 1953 | 1436 | 72 (5) |  |
| 1954 | 1504 | 70 (4.7) |  |
| 1955 | 1112 | 51 (4.6) |  |
| 1956 | 9 | 0 (0) |  |
| IQ aged 11 years |  |  |  |
| 1st quintile (lowest) | 1123 | 144 (12.8) | $\chi^{2}=84$ |
| 2nd quintile | 1427 | 77 (5.4) | $P<0.001$ |
| 3 rd quintile | 1586 | 59 (3.7) |  |
| 4th quintile | 1602 | 56 (3.5) |  |
| 5th quintile (highest) | 1423 | 56 (3.9) |  |
| Father's social class in 1962 |  |  |  |
| I - Professional | 252 | 7 (2.8) | $\chi^{2}=50.2$ |
| II - Technical | 868 | 23 (2.7) | $P=0.001$ |
| Illa - Other non-manual | 932 | 36 (3.9) |  |
| IIIb - Skilled manual (occupation requiring apprenticeship) | 1650 | 90 (5.5) |  |
| IIIc - skilled manual (other occupations) | 1349 | 61 (4.5) |  |
| IV - semi-skilled manual | 970 | 70 (7.2) |  |
| $V$ - unskilled manual | 727 | 68 (9.4) |  |
| Died, unemployed, unclassified | 413 | 37 (9) |  |
| Own highest educational attainment |  |  |  |
| No qualifications | 1612 | 197 (12.2) | $\chi^{2}=205.6$ |
| Leaving certificate | 172 | 16 (9.3) | $P<0.001$ |
| Graded Certificate of Secondary Education | 164 | 7 (4.3) |  |
| '0' level | 1681 | 75 (4.5) |  |
| 'A' level | 925 | 24 (2.6) |  |
| Higher National Certificate | 1135 | 35 (3.1) |  |
| Degree | 1373 | 20 (1.46) |  |

Table DS2 Adjustment for possible confounding/mediating factors on the association between items on the Rutter questionnaire (1962) and being 'permanently sick or disabled' (2001)

| Variable | $n(\%)^{\text {a }}$ | Adjusted for gender and year of birth |  | Adjusted for gender, year of birth, IQ aged 11 (quintiles) |  | Adjusted for gender, year of birth, father's social class at time of study |  | Adjusted for gender, year of birth, IQ aged 11 and fathers social class |  | Adjusted for gender, year of birth, IQ aged 11, father's social class and highest educational attainment |  | Adjusted for gender, year of birth, IQ aged 11, father's social class and housing, income and social class all at follow-up |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | OR (95\% CI) | P | OR (95\% CI) | P | OR (95\% CI) | P | OR (95\% CI) | P | OR (95\% CI) | P | OR (95\% CI) | P |
| School absence |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0-12.5\% | 6694 (97.7) | 1.0 | 0.25 | 1.0 | 0.33 | 1.0 | 0.36 | 1.0 | 0.40 | 1.0 | 0.48 | 1.0 | 0.55 |
| 12.5-25\% | 134 (2) | $\begin{gathered} 1.68 \\ (0.9-31.5) \end{gathered}$ |  | $\begin{gathered} 1.54 \\ (0.82-2.91) \end{gathered}$ |  | $\begin{gathered} 1.56 \\ (0.83-2.93) \end{gathered}$ |  | $\begin{gathered} 1.48 \\ (0.78-2.79) \end{gathered}$ |  | $\begin{gathered} 1.36 \\ (0.72-2.59) \end{gathered}$ |  | $\begin{gathered} 0.69 \\ (0.15-3.12) \end{gathered}$ |  |
| > $25 \%$ | 22 (0.3) | $\begin{gathered} 0.84 \\ (0.11-6.30) \end{gathered}$ |  | $\begin{gathered} 0.88 \\ (0.12-6.70) \end{gathered}$ |  | $\begin{gathered} 0.79 \\ (0.10-5.96) \end{gathered}$ |  | $\begin{gathered} 0.85 \\ (0.11-6.48) \end{gathered}$ |  | $\begin{gathered} 0.90 \\ (0.12-6.95) \end{gathered}$ |  | - |  |
| Often complains of pain and aches |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No | 6642 (97) | 1.0 | 0.001 | 1.0 | <0.001 | 1.0 | <0.001 | 1.0 | <0.001 | 1.0 | $<0.001$ | 1.0 | <0.001 |
| Somewhat | 173 (2.5) | $\begin{gathered} 2.48 \\ (1.52-4.07) \end{gathered}$ |  | $\begin{gathered} 2.18 \\ (1.33-3.59) \end{gathered}$ |  | $\begin{gathered} 2.41 \\ (1.47-3.95) \end{gathered}$ |  | $\begin{gathered} 2.19 \\ (1.33-3.61) \end{gathered}$ |  | $\begin{gathered} 2.08 \\ (1.26-3.44) \end{gathered}$ |  | $\begin{gathered} 4.0 \\ (1.78-8.97) \end{gathered}$ |  |
| Certainly | 35 (0.5) | $\begin{gathered} 5.94 \\ (2.67-13.26) \end{gathered}$ |  | $\begin{gathered} 5.24 \\ (2.30-11.91) \end{gathered}$ |  | $\begin{gathered} 5.45 \\ (2.43-12.22) \\ \hline \end{gathered}$ |  | $\begin{gathered} 5.09 \\ (2.24-11.56) \end{gathered}$ |  | $\begin{gathered} 4.88 \\ (2.14-11.14) \end{gathered}$ |  | $\begin{gathered} 6.75 \\ (1.28-35.5) \end{gathered}$ |  |
| Often appears miserable, unhappy, tearful or distressed |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No | 6366 (92.9) | 1.0 | <0.001 | 1.0 | <0.001 | 1.0 | 0.001 | 1.0 | 0.01 | 1.0 | 0.06 | 1.0 | 0.38 |
| Somewhat | 443 (6.5) | $\begin{gathered} 1.34 \\ (0.90-2.00) \end{gathered}$ |  | $\begin{gathered} 1.01 \\ (0.73-1.63) \end{gathered}$ |  | $\begin{gathered} 1.22 \\ (0.81-1.82) \end{gathered}$ |  | $\begin{gathered} 1.06 \\ (0.71-1.59) \end{gathered}$ |  | $\begin{gathered} 0.94 \\ (0.62-1.41) \end{gathered}$ |  | $\begin{gathered} 0.78 \\ (0.34-1.80) \end{gathered}$ |  |
| Certainly | 41 (0.6) | $\begin{gathered} 5.42 \\ (2.26-11.51) \end{gathered}$ |  | $\begin{gathered} 5.02 \\ (2.33-10.82) \end{gathered}$ |  | $\begin{gathered} 5.31 \\ (2.47-11.39) \end{gathered}$ |  | $\begin{gathered} 4.98 \\ (2.30-10.80) \end{gathered}$ |  | $\begin{gathered} 4.68 \\ (2.12-10.32) \end{gathered}$ |  | $\begin{gathered} 3.81 \\ (1.01-14.4) \end{gathered}$ |  |
| Tends to be absent from school for trivial reasons |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No | 6564 (95.8) | 1.0 | <0.001 | 1.0 | 0.001 | 1.0 | <0.001 | 1.0 | 0.004 | 1.0 | 0.02 | 1.0 | 0.49 |
| Somewhat | 226 (3.3) | $\begin{gathered} 2.40 \\ (1.56-3.70) \end{gathered}$ |  | $\begin{gathered} 1.92 \\ (1.24-2.97) \end{gathered}$ |  | $\begin{gathered} 2.02 \\ (1.30-3.13) \end{gathered}$ |  | $\begin{gathered} 1.78 \\ (1.14-2.76) \end{gathered}$ |  | $\begin{gathered} 1.61 \\ (1.04-2.50) \end{gathered}$ |  | $\begin{gathered} 1.73 \\ (0.79-3.80) \end{gathered}$ |  |
| Certainly | 60 (0.9) | $\begin{gathered} 2.85 \\ (1.34-6.06) \end{gathered}$ |  | $\begin{gathered} 2.06 \\ (0.96-4.42) \end{gathered}$ |  | $\begin{gathered} 2.43 \\ (1.13-5.19) \end{gathered}$ |  | $\begin{gathered} 1.91 \\ (0.88-4.11) \end{gathered}$ |  | $\begin{gathered} 1.67 \\ (0.78-3.63) \end{gathered}$ |  | $\begin{gathered} 0.67 \\ (0.08-5.52) \end{gathered}$ |  |
| Tends to be fearful or afraid of things |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No | 5863 (85.6) | 1.0 | 0.04 | 1.0 | 0.52 | 1.0 | 0.104 | 1.0 | 0.57 | 1.0 | 0.70 | 1.0 | 0.26 |
| Somewhat | 888 (13) | $\begin{gathered} 1.11 \\ (0.81-1.52) \end{gathered}$ |  | $\begin{gathered} 0.92 \\ (0.67-1.26) \end{gathered}$ |  | $\begin{gathered} 1.05 \\ (0.77-1.45) \end{gathered}$ |  | $\begin{gathered} 0.91 \\ (0.66-1.26) \end{gathered}$ |  | $\begin{gathered} 0.89 \\ (0.65-1.23) \end{gathered}$ |  | $\begin{gathered} 0.71 \\ (0.37-1.34) \end{gathered}$ |  |
| Certainly | 99 (1.4) | $\begin{gathered} 2.42 \\ (1.28-4.58) \end{gathered}$ |  | $\begin{gathered} 1.82 \\ (0.95-3.49) \end{gathered}$ |  | $\begin{gathered} 2.18 \\ (1.15-4.16) \end{gathered}$ |  | $\begin{gathered} 1.77 \\ (0.92-3.39) \end{gathered}$ |  | $\begin{gathered} 1.70 \\ (0.88-3.27) \end{gathered}$ |  | $\begin{gathered} 0.59 \\ (0.08-4.46) \end{gathered}$ |  |
| a. Total, 6850. |  |  |  |  |  |  |  |  |  |  |  |  |  |

