## Appendix

Table 4 Missing data for individual and area level predictors

|  |  |
| --- | --- |
|  | Missing data (%) |
|  | Individual level (Parental status at age 15)  | Area level(Parish at age 15) |
| Not employed  | 4.0 | 4.7 |
| Manual occupation  | 3.9 | 0.6 |
| Single parent  | 1.3 | - a |
| Low income  | 2.1 | 5.6 b |

a a record of missing data for single parents at area level was not collected

b based on aggregated data for the cohort members’ peer group only

Table 5 Incidence rate ratios of non-affective psychosis by neighbourhood congruency (based on neighbourhood profile at age 15) for cohort members with each type of disadvantaged status – continuous exposure variable model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Disadvantaged status (parent circumstances at age 15) and corresponding neighbourhood profile  | Average (mean) neighbourhood percentage with corresponding disadvantaged status (%) | Cases | Crude Incidence Ratea | Incidence rate ratios (95% CI) corresponding to a 10% reduction in neighbourhood percentage with corresponding disadvantaged status – fully adjusted modelb |
| Not employed | 20 | 4,253  | 13.54 | 1.02 (0.97 - 1.07) |
| Manual occupation | 34 | 2,595 | 13.96 | 0.91 (0.86 - 0.96) |
| Single parent | 23 | 6,953  | 13.17  | 0.92 (0.89 - 0.95) |
| Low income | 24 | 8,316 | 11.13 | 1.01 (0.99 - 1.04) |

aThe incidence rate measures the number of new cases per 10,000 person-years at risk

bAdjusted for age, gender calendar period, parental psychiatric history and neighbourhood urbanicity (quintile) at age 15.

Table 6 Incidence rate ratios of non-affective psychosis by neighbourhood congruency (based on neighbourhood profile at age 15) for cohort members without the corresponding disadvantaged status – using continuous measure of area exposure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Disadvantaged status *not present* (parent circumstances at age 15) and corresponding neighbourhood profile | Average (mean) neighbourhood percentage who do not have the corresponding disadvantaged status (%) | Cases | Crude Incidence Ratea | Incidence rate ratios (95% CI) corresponding to a 10% reduction in neighbourhood percentage without corresponding disadvantaged status – fully adjusted modelb |
| Not employed | 80 | 18,442 | 6.30 | 0.95 (0.92 - 0.98) |
| Manual occupation | 66 | 7,141 | 8.08 | 0.90 (0.86 - 0.94) |
| Single parent | 77 | 16,920 | 6.03 | 0.86 (0.84 - 0.89) |
| Low income | 76 | 15,224 | 5.94 | 0.99 (0.97 - 1.01) |

aThe incidence rate measures the number of new cases per 10,000 person-years at risk

bAdjusted for age, gender calendar period, parental psychiatric history and neighbourhood urbanicity (quintile) at age 15.

Table 7 Sensitivity analysis - incidence rate ratios of non-affective psychosis by neighbourhood congruency (table 2) further adjusted for area level income

|  |  |
| --- | --- |
| Disadvantaged status (parent circumstances at age 15) and corresponding neighbourhood profile (quintiles) | Incidence rate ratios (95% CI) – further adjusted modela |
| Not employed |  |
|  1 (least common) | 1.00 (0.89 - 1.12) |
|  2 | 1.11 (0.99 - 1.23) |
|  3 | 1.04 (0.93 - 1.16) |
|  4 | 1.00 (0.90 - 1.11) |
|  5 (most common) | 1.00 (ref) |
| Manual occupation |  |
|  1 (least common) | 0.90 (0.77 - 1.06) |
|  2 | 0.86 (0.74 - 1.00) |
|  3 | 0.99 (0.85 - 1.15) |
|  4 | 1.04 (0.89 - 1.21) |
|  5 (most common) | 1.00 (ref) |
| Single parent |  |
|  1 (least common) | 0.76 (0.68 - 0.85) |
|  2 | 0.78 (0.71 - 0.87) |
|  3 | 0.86 (0.78 - 0.94) |
|  4 | 0.89 (0.82 - 0.97) |
|  5 (most common) | 1.00 (ref) |

aAdjusted for age, gender calendar period, parental psychiatric history, neighbourhood urbanicity (quintile) and neighbourhood low income (quintile) at age 15.