## Supplementary 3 Table 1: Mental illness related prescriptions at baseline

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **All mental illness related prescriptions** | | **Anxiolytics** | | **Anti-depressants** | | **Anti-psychotics** | |
|  | **Exposed** | **Unexposed** | **Exposed** | **Unexposed** | **Exposed** | **Unexposed** | **Exposed** | **Unexposed** |
| **Total number of patients** | 18,547 | 74,188 | 18,547 | 74,188 | 18,547 | 74,188 | 18,547 | 74,188 |
| **Number of patients with condition at baseline** | 8,821 | 14,186 | 2,046 | 2,701 | 7,812 | 11,528 | 1,499 | 2,615 |
| **Odds Ratio (95% Confidence intervals)\*** | 3.84 (3.71-3.97) | | 3.28 (3.09-3.48) | | 3.96 (3.82-4.10) | | 2.41 (2.25-2.57) | |
| ***p*-value** | <0.001 | | <0.001 | | <0.001 | | <0.001 | |
| **Adjusted Odds Ratio (95% Confidence intervals)\*\*** | 3.20 (3.08-3.32) | | 2.52 (2.36-2.70) | | 3.25 (3.13-3.38) | | 1.95 (1.82-2.10) | |
| ***p*-value** | <0.001 | | <0.001 | | <0.001 | | <0.001 | |

\*Unadjusted odds ratio

\*\*Adjusted odds ratio: adjusted for BMI, age, smoking status, drinking status and Townsend deprivation index at baseline.

## Table 2: Risk of new mental illness related prescriptions between the exposed and unexposed groups

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **All mental illness related prescriptions** | | **Anxiolytics** | | **Anti-depressants** | | **Anti-psychotics** | |
|  | **Exposed** | **Unexposed** | **Exposed** | **Unexposed** | **Exposed** | **Unexposed** | **Exposed** | **Unexposed** |
| **Number of Patients** | 6,688 | 42,252 | 14,595 | 63,805 | 7,989 | 50,045 | 14,881 | 61,680 |
| **Numbers of Outcomes** | 1,933 | 6,467 | 1,098 | 3,194 | 1,904 | 5,559 | 1,026 | 2,952 |
| **Person-years** | 16,062 | 142,779 | 43,606 | 237,813 | 20,735 | 178,086 | 45,001 | 230,742 |
| **Incidence Rate (per 1000 person years)** | 120.34 | 45.29 | 25.18 | 13.43 | 91.82 | 31.22 | 22.80 | 12.79 |
| **Incidence Rate Ratio (95% Confidence intervals)\*** | 2.66 (2.52-2.80) | | 1.87 (1.75-2.01) | | 2.94 (2.79-3.10) | | 1.78 (1.66-1.91) | |
| ***p*-value** | <0.001 | | <0.001 | | <0.001 | | <0.001 | |
| **Adjusted Incidence Rate Ratio (95% Confidence intervals)\*\*** | 2.37 (2.24-2.50) | | 1.67 (1.55-1.80) | | 2.58 (2.44-2.73) | | 1.64 (1.52-1.77) | |
| ***p*-value** | <0.001 | | <0.001 | | <0.001 | | <0.001 | |

\*Unadjusted incidence rate ratio

\*\*Adjusted Incidence rate ratio: adjusted for BMI, age, smoking status, drinking status and Townsend deprivation index at baseline.