**Supplementary tables**

***Supplementary Table 1.*** *Distribution of specific mental disorders, in Swedish-born individuals and refugees, aged 16-64 years old residing in Sweden in 2004, who were treated for a mental disorder in the period 2000 through 2004. Absolute numbers and column percentage.*

|  |  |  |
| --- | --- | --- |
|  | **Swedish-born individuals** | **Refugees** |
| All, (n, row percent) | 205,685 (4) | 12,148 (6) |
|  |  |  |
| ***Specific mental disorders (ICD-codes)a*** |  |  |
|  Substance abuse disorders (F10-19) | 61,604 (30) | 1,675 (14) |
|  Schizophrenia and non-affective psychotic disorders (F20-29) | 20,974 (10) | 1,564 (13) |
|  Bipolar disorder (F30-31) | 9,106 (4) | 205 (2) |
|  Depressive disorders (F32-34) | 53,749 (26) | 3,617 (30) |
|  Anxiety disorders (F40-42) | 40,330 (20) | 2,089 (17) |
|  Stress-related disorders (F43) | 26,384 (13) | 3,760 (31) |
|  Whereof PTSD (F43.1) | 1,569 (1) | 1,639 (13) |
|  Personality disorders (F60-69) | 10,491 (5) | 373 (3) |

a International Classification of Diseases and Related Health Problems version 10

***Supplementary Table 2.*** *Associations between specific mental disordersa and subsequent suicide attempt in Swedish-born individuals and refugees respectively, aged 16-64 years old residing in Sweden in 2004. Hazard ratios (HRs) with 95% confidence intervals (CIs).*

|  |  |  |
| --- | --- | --- |
|   | **Swedish-born individuals** | **Refugees** |
|  | **Suicide attempt N (rate per 100,000 person-years)** | **Model 1b** | **Model 2c** | **Model 3d** | **Suicide attempt N (rate per 100,000 person-years)** | **Model 1b** | **Model 2c** | **Model 3d** |
| No psychiatric diagnosis | 23,958 (58.1) | 1 (REF) | 1 (REF) | 1 (REF) | 1,110 (69.3) | 1 (REF) | 1 (REF) | 1 (REF) |
| Any psychiatric diagnosis | 14,322 (850.3) | 14.03 (13.74-14.33) | 8.35 (8.16-8.55) | 6.08 (5.93-6.23) | 495 (480.0) | 7.16 (6.44-7.96) | 5.88 (5.26-6.58) | 4.33 (3.84-4.88) |
|  |  |  |  |  |  |  |  |  |
| Specific mental disorders (ICD-codes)e |  |  |  |  |  |  |  |  |
|  Substance abuse disorders (F10-19) | 7,265 (1.546.1) | 25.99 (25.31-26.69) | 14.13 (13.73-14.54) | 9.21 (8.91-9.52) | 168 (1.257.2) | 17.50 (14.84-20.63) | 13.72 (11.57-16.27) | 8.60 (7.07-10.45) |
|  Schizophrenia/non-affective psychotic disorders (F20-29) | 1,384 (816.8) | 16.19 (15.33-17.09) | 6.82 (6.42-7.24) | 4.72 (4.43-5.04) | 86 (5.119.0) | 11.29 (9.06-14.08) | 8.67 (6.81-11.03) | 6.77 (5.27-8.69) |
|  Bipolar disorders (F30-31) | 734 (994.7) | 20.27 (18.83-21.82) | 10.24 (9.49-11.05) | 5.75 (5.29-6.25) | 20 (1.172.1) | 17.82 (11.44-27.75) | 14.70 (9.39-23.01) | 8.74 (5.48-13.94) |
|  Depressive disorders (F32-34) | 4,513 (1.023.0) | 16.93 (16.40-17.48) | 9.75 (9.42-10.09) | 6.08 (5.84-6.33) | 172 (559.7) | 8.66 (7.37-10.19) | 7.01 (5.92-8.30) | 4.76 (3.95-5.73) |
|  Anxiety disorders (F40-42 ) | 3,172 (950.5) | 15.13 (14.58-15.71) | 8.21 (7.89-8.54) | 5.23 (5.00-5.47) | 79 (441.3) | 6.52 (5.18-8.19) | 5.44 (4.31-6.87) | 3.91 (3.07-4.99) |
|  Stress-related disorders (F43) | 2,132 (976.4) | 15.80 (15.11-16.52) | 8.94 (8.53-9.36) | 4.87 (4.61-5.15) | 155 (483.2) | 7.34 (6.20-8.69) | 6.15 (5.18-7.32) | 4.17 (3.45-5.06) |
|  Whereof PTSD (F43.1) | 173 (1.358.6) | 20.13 (17.33-23.38) | 9.40 (8.08-10.93) | 4.06 (3.47-4.75) | 63 (447.8) | 7.38 (5.72-9.51) | 6.31 (4.86-8.18) | 4.47 (3.41-5.87) |
|  Personality disorders (F60-69) | 1,842 (2.338.8) | 36.86 (35.15-38.65) | 15.81 (15.01-16.66) | 6.52 (6.10-6.97) | 46 (1.585.2) | 25.15 (18.72-33.78) | 18.59 (13.66-25.31) | 9.55 (6.77-13.47) |

a Mental disorders diagnosed in specialized health care in the period 2000-2004

b Model 1: Adjusted for age and sex

c Model 2: Adjusted for age, sex, education, family situation, type of residential area, unemployment, sickness absence and disability pension

d Model 3: Model 2 with additional adjustments for history of suicide attempt and somatic multimorbidity

e International Classification of Diseases and Related Health Problems version 10

***Supplementary Table 3.*** *Associations between specific mental disordersa and subsequent suicide in Swedish-born individuals and refugees respectively, aged 16-64 years old residing in Sweden in 2004. Hazard ratios (HRs) with 95% confidence intervals (CIs).*

|  |  |  |
| --- | --- | --- |
|   | **Swedish-born individuals** | **Refugees** |
|  | **Suicide N (rate per 100,000 person-years)** | **Model 1b** | **Model 2c** | **Model 3d** | **Suicide N (rate per 100,000 person-years)** | **Model 1b** | **Model 2c** | **Model 3d** |
| No psychiatric diagnosis | 6,011 (14.2) | 1 (REF) | 1 (REF) | 1 (REF) | 142 (8.8) | 1 (REF) | 1 (REF) | 1 (REF) |
| Any psychiatric diagnosis | 2,905 (165.3) | 11.90 (11.39-12.44) | 7.10 (6.75-7.47) | 5.79 (5.49-6.11) | 84 (79.5) | 9.29 (7.09-12.17) | 7.67 (5.73-10.27) | 5.91 (4.33-8.07) |
|  |  |  |  |  |  |  |  |  |
| Specific mental disorders (ICD-codes)e |  |  |  |  |  |  |  |  |
|  Substance abuse disorders (F10-19) | 1,476 (291.6) | 18.43 (17.41-19.52) | 10.18 (9.56-10.84) | 7.78 (7.25-8.35) | 27 (190.5) | 19.20 (12.64-29.15) | 15.03 (9.72-23.23) | 11.38 (7.00-18.50) |
|  Schizophrenia/non-affective psychotic disorders (F20-29) | 400 (226.7) | 14.98 (13.54-16.58) | 6.35 (5.68-7.11) | 4.94 (4.37-5.57) | 24 (179.6) | 19.30 (12.51-29.77) | 13.64 (8.29-22.45) | 11.43 (6.74-19.40) |
|  Bipolar disorders (F30-31) | 188 (242.3) | 17.30 (14.96-20.01) | 9,04 (7,78-10,50) | 5.65 (4.78-6.68) | <10 (278.6)f | 36.21 (14.80-88.61) | 29,44 (11,74-73,83) | 21.98 (8.08-59.80) |
|  Depressive disorders (F32-34) | 855 (183.5) | 14.45 (13.45-15.53) | 8.59 (7.95-9.27) | 5.89 (5.39-6.45) | 31 (98.1) | 12.18 (8.23-18.02) | 10.89 (7.17-16.54) | 7.66 (4.83-12.17) |
|  Anxiety disorders (F40-42 ) | 520 (148.2) | 11.64 (10.64-12.73) | 6.59 (6.00-7.24) | 4.61 (4.14-5.13) | 10 (54.6) | 6.74 (3.55-12.82) | 6.31 (3.28-12.13) | 4.74 (2.38-9.45) |
|  Stress-related disorders (F43) | 318 (138.3) | 11.08 (9.90-12.41) | 6.76 (6.02-7.59) | 3.97 (3.46-4.56) | 22 (67.0) | 7.86 (5.01-12.33) | 7.28 (4.57-11.61) | 5.62 (3.38-9.35) |
|  Whereof PTSD (F43.1) | 23 (167.8) | 15.24 (10.12-22.96) | 7.89 (5.23-11.90) | 3.76 (2.46-5.74) | 12 (83.5) | 9.22 (5.11-16.65) | 9.30 (5.04-17.16) | 7.19 (3.77-13.72) |
|  Personality disorders (F60-69) | 284 (317.6) | 25.05 (22.23-28.22) | 11.21 (9.88-12.72) | 5.44 (4.64-6.39) | 10 (316.1) | 33.61 (17.69-63.85) | 26.67 (13.54-52.56) | 20.58 (9.78-43.32) |

a Mental disorders diagnosed in specialized health care in the period 2000-2004

b Model 1: Adjusted for age and sex

c Model 2: Adjusted for age, sex, education, family situation, type of residential area, unemployment, sickness absence and disability pension

d Model 3: Model 2 with additional adjustments for history of suicide attempt and somatic multimorbidity

e International Classification of Diseases and Related Health Problems version 10

f For ethical reasons i.e. the risk of identification of individuals, if the number of suicides is <10, it is not reported