Supplementary Table 1: ICD codes of mental disorders

|  |  |  |
| --- | --- | --- |
| Anxiety disorders | Separation anxiety | F93.0 |
| Generalised anxiety disorder | F41.1 |
| Obsessive compulsive disorder | F42 |
| Specific phobias | F40.2 |
| Social phobia | F40.1 |
| Agoraphobia | F40.0 |
| Panic disorder | F41.0 |
| Post-traumatic stress disorder | F43.1 |
| Other anxiety disorder | F41 |
| Depressive disorders | Major depressive episode | F32.0-F32.2 |
| Other depressive episode | F32.8 |
| Psychiatric co-morbidities | Hyperkinetic disorder | F90 |
| Any conduct disorder | F91 |
| Autistic spectrum disorder | F84.0/F84.1/F84.5 |
| Any other less common disorders including: | Tics | F95.0-F95.2/F95.8-F95.9 |
| Eating disorder | F50.0-F50.3/F50.8-F50.9 |
| Selective mutism | F94.0 |

A diagram of a family tree

Description automatically generated

Figure 1: Flow chart of inclusion criteria per wave

Supplementary Table 2: Description of sample within each wave

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **2004**  (N=6,898) | | | **2017**  (N=6,663) | | |
|  | **N** | **% Unweighted** | **% Weighted** | **N** | **% Unweighted** | **% Weighted** |
| Age groups, years |  |  |  |  |  |  |
| 5-8 | 2,225 | 32.3 | 32.4 | 2,416 | 36.4 | 36.1 |
| 9-11 | 1,764 | 25.6 | 25.5 | 1,694 | 25.4 | 25.7 |
| 12-14 | 1,798 | 26.1 | 26.1 | 1,578 | 23.7 | 23.2 |
| 15-16 | 1,111 | 16.1 | 16.1 | 975 | 14.6 | 15.0 |
| *Missing* | *0* |  |  | *0* |  |  |
| Gender |  |  |  |  |  |  |
| Boy | 3,567 | 51.7 | 51.5 | 3,344 | 50.2 | 51.2 |
| Girl | 3,331 | 48.3 | 48.5 | 3,319 | 49.8 | 48.8 |
| *Missing* | *0* |  |  | *0* |  |  |
| Ethnicity |  |  |  |  |  |  |
| White | 5,992 | 86.9 | 86.3 | 5,285 | 79.3 | 75.5 |
| Black | 170 | 2.5 | 2.8 | 281 | 4.2 | 5.5 |
| Asian | 409 | 5.9 | 6.0 | 672 | 10.1 | 11.8 |
| Mixed/Other | 323 | 4.7 | 4.9 | 423 | 6.4 | 7.2 |
| *Missing* | *4* |  |  | *2* |  |  |
| Family working status | | |  |  |  |  |
| No parent working | 1,070 | 15.6 | 15.7 | 740 | 11.2 | 11.3 |
| One parent working | 2,156 | 31.5 | 31.5 | 2,309 | 34.8 | 36.3 |
| Two parents working | 3,618 | 52.9 | 52.8 | 3,586 | 54.1 | 52.4 |
| *Missing* | *54* |  |  | *28* |  |  |
| Parental highest education | | |  |  |  |  |
| Up to GCSE | 4,260 | 62.6 | 62.4 | 2,159 | 32.9 | 33.5 |
| A-level | 774 | 11.4 | 11.4 | 1,185 | 18.0 | 17.5 |
| Higher education | 1,773 | 26.1 | 26.2 | 3,224 | 49.1 | 49.0 |
| *Missing* | *91* |  |  | *95* |  |  |
| Parental partner status | | |  |  |  |  |
| Single | 1,680 | 24.4 | 24.4 | 1,461 | 21.9 | 22.3 |
| Cohabiting | 645 | 9.4 | 9.2 | 897 | 13.5 | 12.9 |
| Married | 4,573 | 66.3 | 66.4 | 4,305 | 64.6 | 64.8 |
| *Missing* | *0* |  |  | *0* |  |  |
| London | 832 | 12.1 | 13.8 | 781 | 11.7 | 16.5 |
| South England | 1,854 | 26.9 | 26.3 | 1,677 | 25.2 | 25.9 |
| North England | 2,053 | 29.8 | 29.3 | 2,094 | 31.4 | 27.1 |
| Midlands and the East | 2,159 | 31.3 | 30.6 | 2,111 | 31.7 | 30.5 |
| *Missing* | *0* |  |  | *0* |  |  |

Supplement Table 3: Examination of relative differences (risk ratio) in the prevalence of any emotional disorder between 2004 to 2017 overall and by subgroups (continue of Table 3)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category** | **Subgroup** | **Prevalence in 2004**  **N (%)** | **Prevalence in 2017**  **N (%)** | **Risk Ratio**  **(95% CI)** | **p-value\*** |
| Overall | - | 270  (3.9) | 405  (6.0) | 1.63  (1.38, 1.91) | <0.001 |
| Age | 5-8 years | 53  (2.3) | 80  (3.3) | 1.43  (1.00, 2.04) | 0. 207 |
|  | 9-11 years | 51  (2.9) | 99  (5.9) | 2.13  (1.50, 3.02) |
|  | 12-14 years | 100  (5.6) | 122  (7.5) | 1.38  (1.04, 1.82) |
|  | 15-16 years | 66  (5.8) | 104  (10.0) | 1.81  (1.29, 2.52) |
| Gender | Boy | 116  (3.2) | 184  (5.4) | 1.77  (1.39, 2.26) | 0.353 |
|  | Girl | 154  (4.6) | 221  (6.6) | 1.51  (1.22, 1.89) |
| Family working status | No parent working | 92  (8.5) | 101  (13.2) | 1.51  (1.15, 1.98) | 0.815 |
|  | One parent working | 93  (4.2) | 153  (6.3) | 1.56  (1.19, 2.04) |
|  | Two parents working | 85  (2.3) | 139  (3.9) | 1.77  (1.34, 2.35) |
| Parental highest education | Up to GCSE | 189  (4.4) | 168  (7.7) | 1.86  (1.49, 2.32) | 0.525 |
|  | A-level | 32  (4.2) | 76  (6.3) | 1.60  (1.04, 2.47) |
|  | Higher education | 40  (2.3) | 157  (4.7) | 2.20  (1.54, 3.15) |
| Parental marital status | Single | 123  (7.3) | 161  (10.4) | 1.38  (1.10, 1.74) | 0.326 |
|  | Cohabiting | 30  (4.6) | 52  (5.9) | 1.40  (0.88, 2.25) |
|  | Married | 117  (2.5) | 192  (4.4) | 1.87  (1.47, 2.38) |
| Region | London | 30  (3.5) | 30  (4.0) | 1.16  (0.68, 1.97) | 0.282 |
|  | South England | 73  (4.0) | 123  (7.1) | 1.89  (1.40, 2.56) |
|  | North England | 69  (3.3) | 124  (5.8) | 1.87  (1.37, 2.54) |
|  | Midlands and the East | 98  (4.4) | 128  (6.2) | 1.47  (1.11, 1.93) |

\* Tests for (i) overall difference between sample years (first row), and (ii) interaction between subgroups and sample year.

Supplementary Table 4: Examination of absolute differences (Risk Difference) in the prevalence of any emotional disorder between 2004 to 2017 overall and by subgroups.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category** | **Subgroup** | **Prevalence in 2004**  **N (%)** | **Prevalence in 2017**  **N (%)** | **Risk Difference**  **(95% CI)** | **p-value\*** |
| Overall | - | 270  (3.9) | 405  (6.0) | 2.20  (1.46, 2.93) | <0.001 |
| Age | 5-8 years | 53  (2.3) | 80  (3.3) | 0.97  (0.00, 1.93) | 0.022 |
|  | 9-11 years | 51  (2.9) | 99  (5.9) | 3.02  (1.63, 4.41) |
|  | 12-14 years | 100  (5.6) | 122  (7.5) | 1.93  (0.23, 3.64) |
|  | 15-16 years | 66  (5.8) | 104  (10.0) | 4.20  (1.81, 6.59) |
| Gender | Boy | 116  (3.2) | 184  (5.4) | 2.26  (1.30, 3.23) | 0.856 |
|  | Girl | 154  (4.6) | 221  (6.6) | 2.13  (1.02, 3.24) |
| Family working status | No parent working | 92  (8.5) | 101  (13.2) | 4.68  (1.69, 7.67) | 0.151 |
|  | One parent working | 93  (4.2) | 153  (6.3) | 2.14  (0.84, 3.44) |
|  | Two parents working | 85  (2.3) | 139  (3.9) | 1.65  (0.83, 2.47) |
| Parental highest education | Up to GCSE | 189  (4.4) | 168  (7.7) | 3.31  (2.03, 4.59) | 0.587 |
|  | A-level | 32  (4.2) | 76  (6.3) | 2.29  (0.28, 4.3) |
|  | Higher education | 40  (2.3) | 157  (4.7) | 2.56  (1.52, 3.60) |
| Parental marital status | Single | 123  (7.3) | 161  (10.4) | 2.98  (1.01, 4.95) | 0.645 |
|  | Cohabiting | 30  (4.6) | 52  (5.9) | 1.73  (-0.62, 4.07) |
|  | Married | 117  (2.5) | 192  (4.4) | 2.04  (1.25, 2.82) |
| Region | London | 30  (3.5) | 30  (4.0) | 0.54  (-1.39, 2.48) | 0.161 |
|  | South England | 73  (4.0) | 123  (7.1) | 3.21  (1.69, 4.73) |
|  | North England | 69  (3.3) | 124  (5.8) | 2.64  (1.34, 3.94) |
|  | Midlands and the East | 98  (4.4) | 128  (6.2) | 1.88  (0.52, 3.23) |

\* Tests for (i) overall difference between sample years (first row), and (ii) interaction between subgroups and sample year.

Supplementary Table 5: Factors associated with emotional disorders.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Any emotional disorder** | | | **Anxiety** | | | **Depression** | | |
|  |  | **N**  **(%)** | **Risk Ratio\***  **(95% CI)** | **p-value** | **N**  **(%)** | **Risk Ratio\***  **(95% CI)** | **p-value** | **N**  **(%)** | **Risk Ratio\***  **(95% CI)** | **p-value** |
| Wave | 2004 | 270  (3.9) | Ref. | <0.001 | 242  (3.5) | Ref. | <0.001 | 64  (0.9) | Ref. | 0.008 |
|  | 2017 | 405  (6.0) | 1.63  (1.38, 1.91) | 365  (5.4) | 1.63  (1.37, 1.93) | 92  (1.3) | 1.57  (1.13, 2.18) |
| Age | 5-8 years | 133  (2.9) | Ref. | <0.001 | 129  (2.8) | Ref. | <0.001 | <10  (0.1) | Ref. | <0.001 |
|  | 9-11 years | 150  (4.4) | 1.55  (1.22, 1.98) | 142  (4.1) | 1.50  (1.17, 1.92) | 18  (0.6) | 3.90  (1.62, 9.41) |
|  | 12-14 years | 222  (6.5) | 2.36  (1.89, 2.96) | 191  (5.6) | 2.10  (1.66, 2.65) | 70  (2.0) | 14.37  (6.57, 31.41) |
|  | 15-16 years | 170  (7.8) | 2.89  (2.27, 3.67) | 145  (6.7) | 2.52  (1.96, 3.24) | 61  (2.8) | 20.50  (9.30, 45.16) |
| Gender | Boy | 300  (4.3) | Ref. | 0.001 | 274  (3.9) | Ref. | 0.005 | 54  (0.8) | Ref. | <0.001 |
|  | Girl | 375  (5.6) | 1.31  (1.12, 1.54) | 333  (5.0) | 1.27  (1.08, 1.51) | 102  (1.5) | 1.93  (1.37, 2.72) |
| Ethnicity | White | 603  (5.3) | Ref. | <0.001 | 541  (4.8) | Ref. | <0.001 | 137  (1.2) | Ref. | 0.282 |
|  | Black | 12  (2.7) | 0.51  (0.28, 0.95) | 11  (2.6) | 0.54  (0.28, 1.02) | <10  (0.4) | 0.35  (0.08, 1.44) |
|  | Asian | 25  (2.2) | 0.41  (0.27, 0.62) | 23  (2.0) | 0.42  (0.27, 0.64) | <10  (0.7) | 0.62  (0.31, 1.25) |
|  | Mixed/ Other | 35  (4.5) | 0.87  (0.60, 1.24) | 32  (4.0) | 0.86  (0.59, 1.26) | <10  (1.0) | 0.88  (0.42, 1.84) |
| Ethnicity (binary) | White | 603  (5.3) | Ref. | <0.001 | 541  (4.8) | Ref. | <0.001 | 137  (1.2) | Ref. | 0.081 |
|  | Non-White | 72  (3.0) | 0.57  (0.44, 0.74) | 66  (2.8) | 0.58  (0.44, 0.76) | 19  (0.7) | 0.64  (0.39, 1.06) |
| Family working status | No parent working | 193  (10.4) | 3.80  (3.09, 4.68) | <0.001 | 173  (9.4) | 3.87  (3.11, 4.81) | <0.001 | 52  (2.8) | 4.21  (2.81, 6.31) | <0.001 |
|  | One parent working | 246  (5.3) | 1.78  (1.47, 2.15) | 228  (5.0) | 1.90  (1.55, 2.32) | 50  (1.0) | 1.41  (0.94, 2.12) |
|  | Two parents working | 224  (3.1) | Ref. | 195  (2.7) | Ref. | 52  (0.7) | Ref. |
| Parental highest education | Up to GCSE | 357  (5.5) | 1.41  (1.17, 1.70) | <0.001 | 325  (5.0) | 1.48  (1.22, 1.81) | <0.001 | 76  (1.1) | 0.96  (0.67, 1.38) | 0.877 |
|  | A-level | 108  (5.5) | 1.45  (1.13, 1.86) | 99  (5.0) | 1.52  (1.17, 1.97) | 23  (1.2) | 1.09  (0.66, 1.80) |
|  | Higher education | 197  (3.9) | Ref. | 171  (3.4) | Ref. | 55  (1.1) | Ref. |
| Parental marital status | Single | 284  (8.8) | 2.63  (2.21, 3.13) | <0.001 | 258  (8.0) | 2.69  (2.24, 3.23) | <0.001 | 67  (2.0) | 2.30  (1.63, 3.25) | <0.001 |
|  | Cohabiting | 82  (5.3) | 1.65  (1.28, 2.14) | 75  (4.9) | 1.71  (1.31, 2.23) | 15  (0.9) | 1.15  (0.64, 2.07) |
|  | Married | 309  (3.5) | Ref. | 274  (3.1) | Ref. | 74  (0.8) | Ref. |
| Region | London | 60  (3.8) | 0.69  (0.51, 0.93) | 0.037 | 55  (3.4) | 0.68  (0.50, 0.94) | 0.014 | 14  (0.9) | 0.87  (0.45, 1.65) | 0.646 |
|  | Southern England | 196  (5.5) | Ref. | 181  (5.1) | Ref. | 36  (1.0) | Ref. |
|  | Northern England | 193  (4.5) | 0.81  (0.66, 1.00) | 165  (3.9) | 0.75  (0.60, 0.94) | 51  (1.2) | 1.17  (0.75, 1.82) |
|  | Midlands and the East | 226  (5.3) | 0.96  (0.78, 1.17) | 206  (4.8) | 0.95  (0.77, 1.17) | 55  (1.2) | 1.21  (0.78, 1.86) |

Note: For disclosure control purposes, frequencies have been suppressed when cell counts are <10.

\*All models adjusting for age (continuous) and gender (binary).

Supplementary Table 6: Absolute and relative differences in the prevalence (%) of specific emotional disorders girls versus boys.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Disorder** | **Prevalence in girls**  **N (%)** | **Prevalence in boys**  **N (%)** | **Risk Difference**  **[95% CI]** | **Risk Ratio**  **[95% CI]** |
| Any emotional disorder | 375  (5.6) | 300  (4.3) | 1.26  [0.52, 2.00] | 1.31  [1.12, 1.54] |
| Any anxiety disorder | 333  (5.0) | 274  (3.9) | 1.02  [0.31, 1.73] | 1.27  [1.08, 1.51] |
| Separation anxiety | 41  (0.6) | 43  (0.6) | 0.02  [-0.25, 0.29] | 1.04  [0.67, 1.61] |
| Generalised anxiety disorder | 74  (1.1) | 58  (0.8) | 0.21  [-0.12, 0.54] | 1.25  [0.88, 1.79] |
| Obsessive compulsive disorder | 18  (0.3) | 19  (0.3) | -0.01  [-0.20, 0.18] | 0.96  [0.49, 1.85] |
| Specific phobia | 59  (0.9) | 52  (0.7) | 0.16  [-0.15, 0.47] | 1.22  [0.68, 1.78] |
| Social phobia | 33  (0.5) | 25  (0.4) | 0.14  [-0.09, 0.38] | 1.39  [0.81, 2.41] |
| Agoraphobia | 18  (0.3) | <10  (0.1) | 0.15  [0.01, 0.30] | 2.35  [1.00, 5.51] |
| Panic disorder | 32  (0.5) | 14  (0.2) | 0.28  [0.07, 0.49] | 2.29  [1.19, 4.40] |
| Post-traumatic stress disorder | 29  (0.4) | <10  (0.1) | 0.26  [0.09, 0.43] | 2.97  [1.38, 6.39] |
| Other anxiety disorders | 90  (1.3) | 74  (1.0) | 0.27  [-0.10, 0.64] | 1.26  [0.92, 1.73] |
| Any depression disorder | 102  (1.5) | 54  (0.8) | 0.70  [0.34, 1.06] | 1.93  [1.37, 2.72] |
| Major depressive episode | 76  (1.1) | 38  (0.5) | 0.55  [0.25, 0.85] | 2.06  [1.38, 3.07] |
| Other depressive episodes | 26  (0.4) | 16  (0.2) | 0.15  [-0.05, 0.35] | 1.62  [0.85, 3.09] |

Note: For disclosure control purposes, frequencies have been suppressed when cell counts are <10.

Supplementary Table 7: Difference in the prevalence (%) of any emotional disorder by gender according to family socioeconomics.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Family Employment status** | **N**  **(%)** | **Risk Ratio (95% CI)** | **p-value** | **Risk Difference (95% CI)** | **p-value** |
| Gender |  |  |  | <0.001 |  | 0.012 |
| Boy | none working | 108  (11.3) | 3.67  (2.93, 4.60) |  | 8.69  (6.57, 10.81) |  |
| ≥1 working | 187  (3.1) |  |  |
| Girl | none working | 85  (9.5) | 1.96  (1.56, 2.47) |  | 4.93  (2.89, 6.97) |  |
| ≥1 working | 283  (4.9) |  |  |

Supplementary Table 8: Independent factors associated with emotional disorders.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Any Emotional disorder** | | | **Anxiety** | | | **Depression** | | |
|  |  | **N**  **(%)** | **Risk Ratio**  **(95% CI)** | **p-value** | **N**  **(%)** | **Risk Ratio**  **(95% CI)** | **p-value** | **N**  **(%)** | **Risk Ratio**  **(95% CI)** | **p-value** |
| Wave | 2004 | 270  (3.9) | Ref. | <0.001 | 242  (3.5) | Ref. | <0.001 | 64  (0.9) | Ref. | 0.008 |
|  | 2017 | 405  (6.0) | 1.90  (1.59, 2.27) | 365  (5.4) | 1.92  (1.59, 2.31) | 92  (1.3) | 1.61  (1.13, 2.30) |
| Age\* | 5-8 years | 133  (2.9) | Ref. | <0.001 | 129  (2.8) | Ref. | <0.001 | <10  (0.1) | Ref. | <0.001 |
|  | 9-11 years | 150  (4.4) | 1.53  (1.20, 1.97) | 142  (4.1) | 1.48  (1.15, 1.91) | 18  (0.6) | 3.83  (1.57, 9.30) |
|  | 12-14 years | 222  (6.5) | 2.45  (1.95, 3.08) | 191  (5.6) | 2.18  (1.72, 2.77) | 70  (2.0) | 14.40  (6.58, 21.52) |
|  | 15-16 years | 170  (7.8) | 2.97  (2.31, 3.81) | 145  (6.7) | 2.58  (1.98, 3.34) | 61  (2.8) | 21.56  (9.79, 47.46) |
| Gender | Boy | 300  (4.3) | Ref. | 0.001 | 274  (3.9) | Ref. | 0.010 | 54  (0.8) | Ref. | <0.001 |
|  | Girl | 375  (5.6) | 1.31  (1.11, 1.54) | 333  (5.0) | 1.26  (1.06, 1.50) | 102  (1.5) | 1.95  (1.37, 2.78) |
| Ethnicity | White | 603  (5.3) | Ref. | <0.001 | 541  (4.8) | Ref. | <0.001 | 137  (1.2) | Ref. | 0.083 |
|  | Black | 12  (2.7) | 0.38  (0.20, 0.74) | 11  (2.6) | 0.40  (0.20, 0.79) | <10  (0.4) | 0.25  (0.05, 1.17) |
|  | Asian | 25  (2.2) | 0.35  (0.22, 0.55) | 23  (2.0) | 0.35  (0.22, 0.56) | <10  (0.7) | 0.52  (0.25, 1.06) |
|  | Mixed/ Other | 35  (4.5) | 0.68  (0.46, 1.01) | 32  (4.0) | 0.69  (0.46, 1.04) | <10  (1.0) | 0.64  (0.29, 1.44) |
| Ethnicity (binary)\*\* | White | 603  (5.3) | Ref. | <0.001 | 541  (4.8) | Ref. | <0.001 | 137  (1.2) | Ref. | 0.012 |
|  | Non-White | 72  (3.0) | 0.46  (0.34, 0.62) | 66  (2.8) | 0.47  (0.36, 0.64) | 19  (0.7) | 0.50  (0.29, 0.86) |
| Family working status | No parent working | 193  (10.4) | 3.23  (2.49, 4.18) | <0.001 | 173  (9.4) | 3.26  (2.48, 4.27) | <0.001 | 52  (2.8) | 4.30  (2.53, 7.32) | <0.001 |
|  | One parent working | 246  (5.3) | 1.58  (1.25, 1.99) | 228  (5.0) | 1.68  (1.32, 2.15) | 50  (1.0) | 1.32  (0.78, 2.21) |
|  | Two parents working | 224  (3.1) | Ref. | 195  (2.7) | Ref. | 52  (0.7) | Ref. |
| Parental highest education | Up to GCSE | 357  (5.5) | 1.21  (0.99, 1.49) | 0.120 | 325  (5.0) | 1.28  (1.03, 1.58) | 0.052 | 76  (1.1) | 0.73  (0.49, 1.09) | 0.299 |
|  | A-level | 108  (5.5) | 1.24  (0.96, 1.60) | 99  (5.0) | 1.30  (0.99, 1.70) | 23  (1.2) | 0.90  (0.54, 1.51) |
|  | Higher education | 197  (3.9) | Ref. | 171  (3.4) | Ref. | 55  (1.1) | Ref. |
| Parental marital status | Single | 284  (8.8) | 1.48  (1.19, 1.84) | 0.011 | 258  (8.0) | 1.47  (1.17, 1.84) | 0.002 | 67  (2.0) | 1.41  (0.90, 2.22) | 0.310 |
|  | Cohabiting | 82  (5.3) | 1.31  (1.00, 1.71) | 75  (4.9) | 1.34  (1.01, 1.76) | 15  (0.9) | 1.02  (0.55, 1.90) |
|  | Married | 309  (3.5) | Ref. | 274  (3.1) | Ref. | 74  (0.8) | Ref. |
| Region | London | 60  (3.8) | 0.80  (0.57, 1.12) | 0.022 | 55  (3.4) | 0.79  (0.55, 1.12) | 0.006 | 14  (0.9) | 0.98  (0.48, 1.98) | 0.926 |
|  | South England | 196  (5.5) | Ref. | 181  (5.1) | Ref. | 36  (1.0) | Ref. |
|  | North England | 193  (4.5) | 0.72  (0.58, 0.90) | 165  (3.9) | 0.66  (0.54, 0.85) | 51  (1.2) | 1.00  (0.63, 1.57) |
|  | Midlands and the East | 226  (5.3) | 0.92  (0.74, 1.13) | 206  (4.8) | 0.91  (0.73, 1.13) | 55  (1.2) | 1.12  (0.72, 1.75) |

Note: For disclosure control purposes, frequencies have been suppressed when cell counts are <10.

\*At the analysis of other covariates age was adjusted as a continuous variable. \*\*A separate multivariable model was implemented to examine whether the binary ethnicity variable was an independent risk factor, adjusted for all other variables.

Supplementary Table 9: Difference in the prevalence (%) of specific emotional disorders by ethnicity and 95% CI.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Disorder** | **Prevalence in Whites**  **N (%)** | **Prevalence in**  **non-Whites**  **N (%)** | **Risk Difference**  **[95% CI]** | **Risk Ratio**  **[95% CI]** |
| Any emotional disorder | 603  (5.3) | 72  (3.0) | 2.17  [1.32, 3.02] | 1.74  [1.34, 2.25] |
| Any anxiety disorder | 541  (4.8) | 66  (2.8) | 1.94  [1.13, 2.75] | 1.72  [1.31, 2.26] |
| Separation anxiety | 74  (0.7) | 10  (0.4) | 0.26  [-0.04, 0.56] | 1.63  [0.83, 3.18] |
| Generalised anxiety disorder | 121  (1.1) | 11  (0.4) | 0.61  [0.29, 0.94] | 2.43  [1.29, 4.57] |
| Obsessive compulsive disorder | 34  (0.3) | <10  (0.1) | 0.17  [-0.02, 0.37] | 2.21  [0.67, 7.33] |
| Specific phobia | 97  (0.9) | 14  (0.6) | 0.31  [-0.03, 0.66] | 1.56  [0.88, 2.76] |
| Social phobia | 52  (0.5) | <10  (0.3) | 0.10  [-0.23, 0.44] | 1.30  [0.51, 3.33] |
| Agoraphobia | 25  (0.2) | <10  (0.0) | 0.19  [0.09, 0.29] | 7.67  [1.03, 56.84] |
| Panic disorder | 40  (0.4) | <10  (0.3) | 0.10  [-0.15, 0.35] | 1.38  [0.57, 3.39] |
| Post-traumatic stress disorder | 34  (0.3) | <10  (0.2) | 0.11  [-0.09, 0.31] | 1.65  [0.57, 4.77] |
| Other anxiety disorders | 142  (1.3) | 22  (0.9) | 0.32  [-0.12, 0.76] | 1.35  [0.85, 2.14] |
| Any depression disorder | 137  (1.2) | 19  (0.7) | 0.42  [0.01, 0.83] | 1.55  [0.95, 2.55] |
| Major depressive episode | 100  (0.9) | 14  (0.5) | 0.31  [-0.03, 0.64] | 1.57  [0.88, 2.78] |
| Other depressive episodes | 37  (0.4) | <10  (0.2) | 0.11  [-0.12, 0.35] | 1.51  [0.58, 3.93] |

Note: For disclosure control purposes, frequencies have been suppressed when cell counts are <10.