Supplementary table A1: Disorder listing

|  |  |  |  |
| --- | --- | --- | --- |
| Disorders | 2014 OCHS (DSM-IV-TR) | NACRS & DAD (ICD10) | OHIP (ICD9) |
| Disorders included in mental health related-service contacts variable | N/A | **F10-19, F55** Substance-related disorders**F20 (excluding F20.4), F22-25, F28, F29, F53.1** Schizophrenia**F21, F60-62, F68, F69, F80-F84, F88-92, F94, F95, F98** Neurodevelopmental and personality disorders**F30-F39**: Mood disorders**F40-48**: Anxiety disorders**F50.0-50.3, F50.8, F50.9** Eating disorders**F90** Hyperkinetic disorders**F92** Mixed disorders of conduct and emotions**F93** Emotional disorders with onset specific to childhood**F98.8** Other specified behavioural and emotional disorders with onset usually occurring in childhood and adolescence**F98.9** Unspecified behavioural and emotional disorders with onset usually occurring in childhood and adolescence**F99** Mental disorder, not otherwise specified | **291, 292, 299** Alcohol, drug or other psychoses**295-298** Psychotic disorders**300** Neurotic disorders (includes reactive depression)**301, 302, 306, 309** Non-psychotic disorders**303, 304** Substance use disorders**307** Habit spasms, tics, anorexia nervosa, sleep disorders**311** Depressive disorder, not elsewhere classified (Include: depressive disorder NOS, depressive state NOS, depression NOS)**313** Disturbance of emotions specific to childhood and adolescence**314** Hyperkinetic syndrome of childhood**315** Developmental delay**316** Psychic factors associated with diseases classified elsewhere**897-902, 904-906, 909** Social problems |
| Emotional+Attention-deficit/hyperactivity | Major depressive episodeGeneralized anxiety disorderSeparation anxiety disorderSocial phobia/anxiety disorderSpecific phobiaAttention-deficit/hyperactivity disorder | **F30-F39**: Mood disorders**F40-48**: Anxiety disorders**F90** Hyperkinetic disorders**F92** Mixed disorders of conduct and emotions**F93** Emotional disorders with onset specific to childhood | **311** Depressive disorder, not elsewhere classified (Include: depressive disorder NOS, depressive state NOS, depression NOS)**313** Disturbance of emotions specific to childhood and adolescence**300** Neurotic disorders (includes reactive depression)**314** Hyperkinetic syndrome of childhood |
| Emotional | Major depressive episodeGeneralized anxiety disorderSeparation anxiety disorderSocial phobia/anxiety disorderSpecific phobia | **F30-F39**: Mood disorders**F40-48**: Anxiety disorders**F93** Emotional disorders with onset specific to childhood | **311** Depressive disorder, not elsewhere classified (Include: depressive disorder NOS, depressive state NOS, depression NOS)**313** Disturbance of emotions specific to childhood and adolescence**300** Neurotic disorders (includes reactive depression) |
| Mood  | Major depressive episode | **F30-F39**: Mood disorders | **311** Depressive disorder, not elsewhere classified (Include: depressive disorder NOS, depressive state NOS, depression NOS)**313** Disturbance of emotions specific to childhood and adolescence |
| Anxiety | Generalized anxiety disorderSeparation anxiety disorderSocial phobia/anxiety disorderSpecific phobia | **F40-48**: Anxiety disorders**F93** Emotional disorders with onset specific to childhood | **300** Neurotic disorders (includes reactive depression) |
| Attention | Attention-deficit/hyperactivity disorder | **F90** Hyperkinetic disorders  | **314** Hyperkinetic syndrome of childhood |

Supplementary table A2: Six-month prevalence of DSM-IV-TR disorders and service contacts based on 2014 OCHS survey data conditional on physician-based service contact (survey) and administrative health data (admin)

|  |  |  |  |
| --- | --- | --- | --- |
| Estimate | Prevalence % (SE) | *z* statistic(*p*-value) | Ratio of survey prevalence to administrative data prevalence |
| Survey | Admin |
| Emotional+Attention-deficit/hyperactivity  | 13.38(1.03) | 5.58 (0.54) | 11.19 (<0.001) | 2.40 |
|  Emotional  | 8.95 (0.83) | 5.10 (0.52) | 9.78 (<0.001) | 1.75 |
|  Mood | 2.67 (0.39) | 3.57 (0.50) | 6.82 (<0.001) | 0.75 |
|  Anxiety | 7.91 (0.81) | 2.17 (0.27) | 9.38 (<0.001) | 3.64 |
|  Attention-deficit/hyperactivity | 6.64 (0.0.56) | 0.69 (0.12) | 10.66 (<0.001) | 9.62 |

SE=standard error