**Supplemental Table 1.** Australian Refined Diagnosis-Related Groups (AR-DRG) based on ICD-10 structured clinical interviews on admission to inpatient or emergency department.

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| Diagnostic group | AR-DRG diagnoses |
| Affective (including major depression) | ‘Major affective disorders’; ‘Other affective and somatoform disorders’ |
| Personality disorder  | ‘Personality disorder and acute reactions’  |
| Psychotic (including schizophrenia) | 'Schizophrenia disorders’; ‘Paranoia and Acute Psych Disorder (with or without catastrophic or severe consequences, or mental health legal status);’ ‘Schizophrenia (disorder)’; ‘Acute schizophrenic episode’; ‘Chronic schizophrenia’; ‘Disorganised schizophrenia’; ‘Psychotic disorder’. |
| Substance(including alcohol dependence) | ‘Drug intoxication and withdrawal’; ‘Alcohol intoxication and withdrawal’; ‘Alcohol use disorder and dependence’; ‘Other drug use disorder and dependence’; ‘Opioid drug use disorder and dependence’; ‘Alcohol withdrawal syndrome’; ‘Admitted to alcohol detoxification centre’; ‘Feeling intoxicated’; ‘Alcoholism’; 'Drug overdose (disorder)’; ‘Alcohol dependence’. |
| Self-harm (not accompanied by another primary disorder category) | 'suicidal intent' ‘injuries, or poisoning, or toxic effects of drugs or other substances or psychotropic agents (with or without catastrophic or severe consequences or ventilator support)' |
| Other | ‘Dementia and other chronic disturbances of cerebral function’; ‘Anxiety disorders’; ‘Delirium (with or without catastrophic consequences)’; Degenerative nervous system disorders (with or without catastrophic consequences)’; ‘Eating and obsessive-compulsive disorders’; ‘Childhood mental disorders’; Other instances where the diagnosis reported was medical (ie. postpartum and antenatal problems, cerebrovascular disorders, seizures), but due to concurrent mental health problems, was classified by clinicians as a mental health admission/separation.  |