

Agency for Healthcare Research and Quality, Healthcare Cost and Utilization Project, Statistical Brief #216: Trends in Emergency Department Visits Involving Mental and Substance Use Disorders, 2006–2013 (Weiss AJ, Barrett ML, Heslin KC, Stocks C)

Appendix A.1. List of ICD-9-CM diagnosis codes and descriptions (inclusion and exclusion criteria) for emergency department visits for substance use disorders (SUDs)

Inclusion criteria (all-listed)	
Alcohol-related	
291.0	Alcohol withdrawal delirium
291.1	Alcohol-induced persisting amnestic disorder
291.2	Alcohol-induced persisting dementia
291.3	Alcohol-induced psychotic disorder with hallucinations
291.4	Idiosyncratic alcohol intoxication
291.5	Alcohol-induced psychotic disorder with delusions
291.81	Other specified alcohol induced mental disorders – alcohol withdrawal
291.82	Other specified alcohol induced mental disorders – alcohol induced sleep disorders
291.89	Other specified alcohol induced mental disorders – other
291.9	Unspecified alcohol-induced mental disorders
303.0	Acute alcoholic intoxication – unspecified
303.01	Acute alcoholic intoxication– continuous
303.02	Acute alcoholic intoxication – episodic
303.03	Acute alcoholic intoxication – in remission
303.90	Other and unspecified alcohol dependence – unspecified
303.91	Other and unspecified alcohol dependence – continuous
303.92	Other and unspecified alcohol dependence – episodic
303.93	Other and unspecified alcohol dependence – in remission
305.00	Alcohol abuse – unspecified
305.01	Alcohol abuse – continuous
305.02	Alcohol abuse – episodic
305.03	Alcohol abuse – in remission
790.3	Excessive blood level of alcohol
980.0	Toxic effect of alcohol – ethyl alcohol
980.9	Toxic effect of alcohol – unspecified alcohol
Substance use-related	
292.0	Drug withdrawal
292.11	Drug-induced psychotic disorder with delusions
292.12	Drug-induced psychotic disorder with hallucinations
292.2	Pathological drug intoxication
292.81	Drug induced delirium
292.82	Drug induced persisting dementia
292.83	Drug induced persisting amnestic disorder
292.84	Drug induced mood disorder
292.85	Drug induced sleep disorders
292.89	Drug induced mental disorder – other
292.9	Drug induced mental disorder – unspecified
304.0	Opioid type dependence – unspecified
304.01	Opioid type dependence – continuous

304.02 Opioid type dependence – episodic
304.03 Opioid type dependence – in remission
304.10 Sedative, hypnotic, or anxiolytic dependence – unspecified
304.11 Sedative, hypnotic, or anxiolytic dependence – continuous
304.12 Sedative, hypnotic, or anxiolytic dependence – episodic
304.13 Sedative, hypnotic, or anxiolytic dependence – in remission
304.20 Cocaine dependence – unspecified
304.21 Cocaine dependence – continuous
304.22 Cocaine dependence – episodic
304.23 Cocaine dependence – in remission
304.30 Cannabis dependence – unspecified
304.31 Cannabis dependence – continuous
304.32 Cannabis dependence – episodic
304.40 Amphetamine and other psychostimulant dependence – unspecified
304.41 Amphetamine and other psychostimulant dependence – continuous
304.42 Amphetamine and other psychostimulant dependence – episodic
304.43 Amphetamine and other psychostimulant dependence – in remission
304.50 Hallucinogen dependence - unspecified
304.51 Hallucinogen dependence - continuous
304.60 Other specified drug dependence – unspecified
304.61 Other specified drug dependence – continuous
304.62 Other specified drug dependence – episodic
304.63 Other specified drug dependence – in remission
304.70 Combinations of opioid type drug with any other – unspecified
304.71 Combinations of opioid type drug with any other – continuous
304.72 Combinations of opioid type drug with any other – episodic
304.73 Combinations of opioid type drug with any other – in remission
304.80 Combinations of drug dependence excluding opioid type drug – unspecified
304.81 Combinations of drug dependence excluding opioid type drug – continuous
304.82 Combinations of drug dependence excluding opioid type drug – episodic
304.83 Combinations of drug dependence excluding opioid type drug – in remission
304.90 Unspecified drug dependence – unspecified
304.91 Unspecified drug dependence – continuous
304.92 Unspecified drug dependence – episodic
304.93 Unspecified drug dependence – in remission
305.20 Cannabis abuse – unspecified
305.21 Cannabis abuse – continuous
305.22 Cannabis abuse – episodic
305.23 Cannabis abuse – in remission
305.30 Hallucinogen abuse – unspecified
305.31 Hallucinogen abuse – continuous
305.32 Hallucinogen abuse – episodic
305.40 Sedative, hypnotic, or anxiolytic abuse – unspecified
305.41 Sedative, hypnotic, or anxiolytic abuse – continuous
305.42 Sedative, hypnotic, or anxiolytic abuse – episodic

305.43	Sedative, hypnotic, or anxiolytic abuse – in remission
305.50	Opioid abuse – unspecified
305.51	Opioid abuse – continuous
305.52	Opioid abuse – episodic
305.53	Opioid abuse – in remission
305.60	Cocaine abuse – unspecified
305.61	Cocaine abuse – continuous
305.62	Cocaine abuse – episodic
305.63	Cocaine abuse – in remission
305.70	Amphetamine or related acting sympathomimetic abuse – unspecified
305.71	Amphetamine or related acting sympathomimetic abuse – continuous
305.72	Amphetamine or related acting sympathomimetic abuse – episodic
305.73	Amphetamine or related acting sympathomimetic abuse – in remission
305.80	Antidepressant type abuse – unspecified
305.81	Antidepressant type abuse – continuous
305.82	Antidepressant type abuse – episodic
305.90	Other, mixed, or unspecified drug abuse – unspecified
305.91	Other, mixed, or unspecified drug abuse – continuous
305.92	Other, mixed, or unspecified drug abuse – episodic
305.93	Other, mixed, or unspecified drug abuse – in remission
965.00	Poisoning – opium (alkaloids), unspecified
965.01	Poisoning – heroin
965.02	Poisoning – methadone
965.09	Poisoning – opiates and related narcotics, other
968.2	Poisoning – other gaseous anesthetics
968.3	Poisoning – intravenous anesthetics
968.4	Poisoning – other and unspecified general anesthetics
969.4	Poisoning – benzodiazepine-based tranquilizers
969.6	Poisoning – psychodysleptics [hallucinogens]
	Poisoning – amphetamines
969.72	<i>(Diagnosis code was valid as of 10/1/2009. For prior year data, the more general diagnosis code of 969.7 was used to identify similar cases.)</i>
	Poisoning – methylphenidate
969.73	<i>(Diagnosis code was valid as of 10/1/2009. For prior year data, the more general diagnosis code of 969.7 was used to identify similar cases.)</i>
967.0	Poisoning – analeptics
	Poisoning – other central nervous system stimulants, cocaine
970.81	<i>(Diagnosis code was valid as of 10/1/2010. For prior year data, the more general diagnosis code of 970.8 was used to identify similar cases.)</i>
975.4	Poisoning – antitussives
981	Toxic effect of petroleum products
V65.42	Counseling on substance use and abuse
Additional drug/alcohol E codes	
E850.0	Accidental poisoning by heroin
E850.1	Accidental poisoning by methadone
E850.2	Accidental poisoning by other opiates and related narcotics
E850.8	Accidental poisoning by other specified analgesics and antipyretics

E851	Accidental poisoning by barbiturates
E852.0	Accidental poisoning by chloral hydrate group
E852.1	Accidental poisoning by paraldehyde
E852.2	Accidental poisoning by bromine compounds
E852.3	Accidental poisoning by methaqualone
E852.4	Accidental poisoning by glutethimide compounds
E852.5	Accidental poisoning by mixed sedatives, not elsewhere classified
E852.8	Accidental poisoning by other specified sedatives and hypnotics
E852.9	Accidental poisoning by unspecified sedative or hypnotic
E853.0	Accidental poisoning by phenothiazine-based tranquilizers
E853.1	Accidental poisoning by butyrophenone-based tranquilizers
E853.2	Accidental poisoning by benzodiazepine-based tranquilizers
E853.8	Accidental poisoning by other specified tranquilizers
E853.9	Accidental poisoning by unspecified tranquilizers
E854.1	Accidental poisoning by psychodysleptics [hallucinogens]
E854.2	Accidental poisoning by psychostimulants
E854.3	Accidental poisoning by central nervous system stimulants
E855.1	Accidental poisoning by other central nervous system depressants
E858.0	Accidental poisoning by hormones and synthetic substitutes
E858.6	Accidental poisoning by agents primarily acting on the smooth and skeletal muscles and respiratory system
E860.0	Accidental poisoning by alcoholic beverages
E860.1	Accidental poisoning by other and unspecified ethyl alcohol and its products
E860.9	Accidental poisoning by unspecified alcohol
E862.0	Accidental poisoning by petroleum solvents
E862.1	Accidental poisoning by petroleum fuels and cleaners
E862.4	Accidental poisoning by other specified solvents
E862.9	Accidental poisoning by unspecified solvent
Exclusion criteria (all-listed)	
Therapeutic use E codes	
E932.0	Adrenal cortical steroids causing adverse effects in therapeutic use
E932.1	Androgens and anabolic congeners causing adverse effects in therapeutic use
E932.2	Ovarian hormones and synthetic substitutes causing adverse effects in therapeutic use
E932.3	Insulin and antidiabetic agents causing adverse effects in therapeutic use
E932.4	Anterior pituitary hormones causing adverse effects in therapeutic use
E932.5	Posterior pituitary hormones causing adverse effects in therapeutic use
E932.6	Parathyroid and parathyroid derivatives causing adverse effects in therapeutic use
E932.7	Thyroid and thyroid derivatives causing adverse effects in therapeutic use
E932.8	Antithyroid agents causing adverse effects in therapeutic use
E932.9	Other and unspecified hormones and synthetic substitutes causing adverse effects in therapeutic use
E933.0	Antiallergic and antiemetic drugs causing adverse effects in therapeutic use
E933.1	Antineoplastic and immunosuppressive drugs causing adverse effects in therapeutic use
E933.2	Acidifying agents causing adverse effects in therapeutic use
E933.3	Alkalizing agents causing adverse effects in therapeutic use
E933.4	Enzymes, not elsewhere classified, causing adverse effects in therapeutic use
E933.5	Vitamins, not elsewhere classified, causing adverse effects in therapeutic use

E933.6 Oral bisphosphonates causing adverse effects in therapeutic use
E933.7 Intravenous bisphosphonates causing adverse effects in therapeutic use
E933.8 Other systemic agents, not elsewhere classified, causing adverse effects in therapeutic use
E933.9 Unspecified systemic agent causing adverse effects in therapeutic use
E934.0 Iron and its compounds causing adverse effects in therapeutic use
E934.1 Liver preparations and other antianemic agents causing adverse effects in therapeutic use
E934.2 Anticoagulants causing adverse effects in therapeutic use
E934.3 Vitamin K [phytonadione] causing adverse effects in therapeutic use
E934.4 Fibrinolysis-affecting drugs causing adverse effects in therapeutic use
E934.5 Anticoagulant antagonists and other coagulants causing adverse effects in therapeutic use
E934.6 Gamma globulin causing adverse effects in therapeutic use
E934.7 Natural blood and blood constituents causing adverse effects in therapeutic use
E934.8 Other agents affecting blood constituents causing adverse effects in therapeutic use
E934.9 Unspecified agent affecting blood constituents causing adverse effects in therapeutic use
E935.0 Heroin causing adverse effects in therapeutic use
E935.1 Methadone causing adverse effects in therapeutic use
E935.2 Other opiates and related narcotics causing adverse effects in therapeutic use
E935.3 Salicylates causing adverse effects in therapeutic use
E935.4 Aromatic analgesics, not elsewhere classified, causing adverse effects in therapeutic use
E935.5 Pyrazole derivatives causing adverse effects in therapeutic use
E935.6 Antirheumatics [antiphlogistics] causing adverse effects in therapeutic use
E935.7 Other non-narcotic analgesics causing adverse effects in therapeutic use
E935.8 Other specified analgesics and antipyretics causing adverse effects in therapeutic use
E935.9 Unspecified analgesic and antipyretics causing adverse effects in therapeutic use
E936.0 Oxazolidine derivatives causing adverse effects in therapeutic use
E936.1 Hydantoin derivatives causing adverse effects in therapeutic use
E936.2 Succinimides causing adverse effects in therapeutic use
E936.3 Other and unspecified anticonvulsants causing adverse effects in therapeutic use
E936.4 Anti-Parkinsonism causing adverse effects in therapeutic use
E937.0 Barbiturates causing adverse effects in therapeutic use
E937.1 Chloral hydrate group causing adverse effects in therapeutic use
E937.2 Paraldehyde causing adverse effects in therapeutic use
E937.3 Bromine compounds causing adverse effects in therapeutic use
E937.4 Methaqualone compounds causing adverse effects in therapeutic use
E937.5 Glutethimide group causing adverse effects in therapeutic use
E937.6 Mixed sedatives, not elsewhere found, causing adverse effects in therapeutic use
E937.8 Other sedatives and hypnotics causing adverse effects in therapeutic use
E937.9 Unspecified sedatives and hypnotics causing adverse effects in therapeutic use
E938.0 Central nervous system muscle-tone depressants causing adverse effects in therapeutic use
E938.1 Halothane causing adverse effects in therapeutic use
E938.2 Other gaseous anesthetics causing adverse effects in therapeutic use
E938.3 Intravenous anesthetics causing adverse effects in therapeutic use
E938.4 Other and unspecified general anesthetics causing adverse effects in therapeutic use
E938.5 Surface and infiltration anesthetics causing adverse effects in therapeutic use
E938.6 Peripheral nerve- and plexus-blocking anesthetics causing adverse effects in therapeutic use
E938.7 Spinal anesthetics causing adverse effects in therapeutic use
E938.9 Other and unspecified local anesthetics causing adverse effects in therapeutic use

- E939.0** Antidepressants causing adverse effects in therapeutic use
- E939.1** Phenothiazine-based tranquilizers causing adverse effects in therapeutic use
- E939.2** Butyrophenone-based tranquilizers causing adverse effects in therapeutic use
- E939.3** Other antipsychotics, neuroleptics, and major tranquilizers causing adverse effects in therapeutic use
- E939.4** Benzodiazepine-based tranquilizers causing adverse effects in therapeutic use
- E939.5** Other tranquilizers causing adverse effects in therapeutic use
- E939.6** Psychodysleptics [hallucinogens] causing adverse effects in therapeutic use
- E939.7** Psychostimulants causing adverse effects in therapeutic use
- E939.8** Other psychotropic agents causing adverse effects in therapeutic use
- E939.9** Unspecified psychotropic agent causing adverse effects in therapeutic use
- E940.0** Analeptics causing adverse effects in therapeutic use
- E940.1** Opiate antagonists causing adverse effects in therapeutic use
- E940.8** Other specified central nervous system stimulants causing adverse effects in therapeutic use
- E940.9** Unspecified central nervous stimulant causing adverse effects in therapeutic use
- E941.0** Parasympathomimetics [cholinergics] causing adverse effects in therapeutic use
- E941.1** Parasympatholytics [anticholinergics and antimuscarinics] and spasmolytics causing adverse effects in therapeutic use
- E941.2** Sympathomimetics [adrenergics] causing adverse effects in therapeutic use
- E941.3** Sympatholytics [antiadrenergics] causing adverse effects in therapeutic use
- E941.9** Unspecified drug primarily affecting the autonomic nervous system causing adverse effects in therapeutic use
- E942.0** Cardiac rhythm regulators causing adverse effects in therapeutic use
- E942.1** Cardiotonic glycosides and drugs of similar action causing adverse effects in therapeutic use
- E942.2** Antilipemic and antiarteriosclerotic drugs causing adverse effects in therapeutic use
- E942.3** Ganglion-blocking agents causing adverse effects in therapeutic use
- E942.4** Coronary vasodilators causing adverse effects in therapeutic use
- E942.5** Other vasodilators causing adverse effects in therapeutic use
- E942.6** Other antihypertensive agents causing adverse effects in therapeutic use
- E942.7** Antivaricose drugs, including sclerosing agents causing adverse effects in therapeutic use
- E942.8** Capillary-active drugs causing adverse effects in therapeutic use
- E942.9** Other and unspecified agents primarily affecting the cardiovascular system causing adverse effects in therapeutic use
- E943.0** Antacids and antigastric secretion drugs causing adverse effects in therapeutic use
- E943.1** Irritant cathartics causing adverse effects in therapeutic use
- E943.2** Emollient cathartics causing adverse effects in therapeutic use
- E943.3** Other cathartics, including intestinal atonia drugs causing adverse effects in therapeutic use
- E943.4** Digestants causing adverse effects in therapeutic use
- E943.5** Antidiarrheal drugs causing adverse effects in therapeutic use
- E943.6** Emetics causing adverse effects in therapeutic use
- E943.8** Other specified agents primarily affecting the gastrointestinal system causing adverse effects in therapeutic use
- E943.9** Unspecified agent primarily affecting the gastrointestinal system causing adverse effects in therapeutic use
- E944.0** Mercurial diuretics causing adverse effects in therapeutic use
- E944.1** Purine derivative diuretics causing adverse effects in therapeutic use
- E944.2** Carbonic acid anhydrase inhibitors causing adverse effects in therapeutic use
- E944.3** Saluretics causing adverse effects in therapeutic use
- E944.4** Other diuretics causing adverse effects in therapeutic use

- E944.5** Electrolytic, caloric, and water-balance agents causing adverse effects in therapeutic use
- E944.7** Uric acid metabolism drugs causing adverse effects in therapeutic use
- E945.0** Oxytocic agents causing adverse effects in therapeutic use
- E945.1** Smooth muscle relaxants causing adverse effects in therapeutic use
- E945.2** Skeletal muscle relaxants causing adverse effects in therapeutic use
- E945.3** Other and unspecified drugs acting on muscles causing adverse effects in therapeutic use
- E945.4** Antitussives causing adverse effects in therapeutic use
- E945.5** Expectorants causing adverse effects in therapeutic use
- E945.6** Anti-common cold drugs causing adverse effects in therapeutic use
- E945.7** Antiasthmatics causing adverse effects in therapeutic use
- E945.8** Other and unspecified respiratory drugs causing adverse effects in therapeutic use

Abbreviation: ICD-9-CM, International Classification of Diseases, Ninth Revision, Clinical Modification

Appendix A.2. List of ICD-9-CM diagnosis codes and descriptions (inclusion and exclusion criteria) for emergency department visits for depression, anxiety or stress reactions

Inclusion criteria (all-listed)	
Depression, anxiety, or stress reaction	
296.20	Major depressive disorder, single episode – unspecified
296.22	Major depressive disorder, single episode – moderate
296.23	Major depressive disorder, single episode – severe, without mention of psychotic behavior
296.30	Major depressive disorder, recurrent episode – unspecified
296.32	Major depressive disorder, recurrent episode – moderate
296.33	Major depressive disorder, recurrent episode – severe, without mention of psychotic behavior
300.00	Anxiety state, unspecified
300.01	Panic disorder without agoraphobia
300.02	Generalized anxiety disorder
300.09	Other anxiety, dissociative, and somatoform disorders
300.21	Agoraphobia with panic disorder
300.22	Agoraphobia without mention of panic attacks
300.23	Social phobia
300.29	Other isolated or specific phobias
300.3	Obsessive-compulsive disorders
300.4	Dysthymic disorder
300.6	Depersonalization disorder
300.7	Hypochondriasis
300.81	Somatization disorder
300.82	Undifferentiated somatoform disorder
300.89	Other somatoform disorders
300.9	Unspecified nonpsychotic mental disorder
308.0	Predominant disturbance of emotions
308.1	Predominant disturbance of consciousness
308.2	Predominant psychomotor disturbance
308.3	Other acute reactions to stress
308.4	Mixed disorders as reaction to stress
308.9	Unspecified acute reaction to stress
309.0	Adjustment disorder with depressed mood
309.1	Prolonged depressive reaction
309.24	Adjustment disorder with anxiety
309.28	Adjustment disorder with mixed anxiety and depressed mood
309.29	Other adjustment reactions with predominant disturbance of other emotions
309.3	Adjustment disorder with disturbance of conduct
309.4	Adjustment disorder with mixed disturbance of emotions and conduct
309.81	Posttraumatic stress disorder
309.82	Adjustment reaction with physical symptoms
309.83	Adjustment reaction with withdrawal
309.89	Other specified adjustment reactions
309.9	Unspecified adjustment reaction
311	Depressive disorder, not elsewhere classified

Suicidal ideation/attempt

- V62.84** Suicidal ideation
- E950.0** Suicide and self-inflicted poisoning by analgesics, antipyretics, and antirheumatics
- E950.1** Suicide and self-inflicted poisoning by barbiturates
- E950.2** Suicide and self-inflicted poisoning by other sedatives and hypnotics
- E950.3** Suicide and self-inflicted poisoning by tranquilizers and other psychotropic agents
- E950.4** Suicide and self-inflicted poisoning by other specified drugs and medicinal substances
- E950.5** Suicide and self-inflicted poisoning by unspecified drug or medicinal substances
- E950.6** Suicide and self-inflicted poisoning by agricultural and horticultural chemical and pharmaceutical preparations other than plant foods and fertilizers
- E950.7** Suicide and self-inflicted poisoning by corrosive and caustic substances
- E950.8** Suicide and self-inflicted poisoning by arsenic and its compounds
- E950.9** Suicide and self-inflicted poisoning by other and unspecified solid and liquid substances
- E951.0** Suicide and self-inflicted poisoning by gas disturbed by pipeline
- E951.1** Suicide and self-inflicted poisoning by liquefied petroleum gas distributed in mobile containers
- E951.8** Suicide and self-inflicted poisoning by other utility gas
- E952.0** Suicide and self-inflicted poisoning by motor vehicle exhaust gas
- E952.1** Suicide and self-inflicted poisoning by other carbon monoxide
- E952.8** Suicide and self-inflicted poisoning by other specified gases and vapors
- E952.9** Suicide and self-inflicted poisoning by unspecified gases and vapors
- E953.0** Suicide and self-inflicted injury by hanging
- E953.1** Suicide and self-inflicted injury by suffocation by plastic bag
- E953.8** Suicide and self-inflicted injury by other specified means
- E953.9** Suicide and self-inflicted injury by hanging, strangulation, and suffocation – unspecified means
- E954** Suicide and self-inflicted injury by submersion [drowning]
- E955.0** Suicide and self-inflicted injury by handgun
- E955.1** Suicide and self-inflicted injury by shotgun
- E955.2** Suicide and self-inflicted injury by hunting rifle
- E955.4** Suicide and self-inflicted injury by other and unspecified firearms
- E955.5** Suicide and self-inflicted injury by explosives
- E955.6** Suicide and self-inflicted injury by air gun
- E955.9** Suicide and self-inflicted injury by unspecified firearms, air guns, and explosives
- E956** Suicide and self-inflicted injury by cutting and piercing instruments
- E957.0** Suicide and self-inflicted injuries by jumping from residential premises
- E957.1** Suicide and self-inflicted injuries by jumping from other man-made structures
- E957.2** Suicide and self-inflicted injuries by jumping from natural sites
- E957.9** Suicide and self-inflicted injuries by jumping from unspecified high place
- E958.0** Suicide and self-inflicted injury by jumping or lying before a moving object
- E958.1** Suicide and self-inflicted injury by burns, fire
- E958.2** Suicide and self-inflicted injury by scald
- E958.3** Suicide and self-inflicted injury by extremes of cold
- E958.4** Suicide and self-inflicted injury by electrocution
- E958.5** Suicide and self-inflicted injury by crashing of motor vehicle
- E958.7** Suicide and self-inflicted injury by caustic substances, except poisoning
- E958.8** Suicide and self-inflicted injury by other and specified means

E958.9	Suicide and self-inflicted injury by unspecified means
Exclusion criteria (all-listed)	
Psychoses or bipolar disorders	
296.00	Bipolar I disorder, single manic episode – unspecified
296.03	Bipolar I disorder, single manic episode – severe, without mention of psychotic behavior
296.04	Bipolar I disorder, single manic episode – severe, specified as with psychotic behavior
296.10	Manic disorder, recurrent episode – unspecified
296.13	Manic disorder, recurrent episode – severe, without mention of psychotic behavior
296.14	Manic disorder, recurrent episode – severe, specified as with psychotic behavior
296.24	Major depressive disorder, single episode – severe, specified as with psychotic behavior
296.34	Major depressive disorder, recurrent episode – severe, specified as with psychotic behavior
296.40	Bipolar I disorder; most recent episode (or current) manic – unspecified
296.41	Bipolar I disorder; most recent episode (or current) manic – mild
296.42	Bipolar I disorder; most recent episode (or current) manic – moderate
296.43	Bipolar I disorder; most recent episode (or current) manic – severe, without mention of psychotic behavior
296.44	Bipolar I disorder; most recent episode (or current) manic – severe, specified as with psychotic disorder
296.50	Bipolar I disorder; most recent episode (or current) depressed – unspecified
296.52	Bipolar I disorder; most recent episode (or current) depressed – moderate
296.53	Bipolar I disorder; most recent episode (or current) depressed – severe, without mention of psychotic behavior
296.54	Bipolar I disorder; most recent episode (or current) depressed – severe, specified as with psychotic disorder
296.60	Bipolar I disorder; most recent episode (or current) mixed – unspecified
296.62	Bipolar I disorder; most recent episode (or current) mixed – moderate
296.63	Bipolar I disorder; most recent episode (or current) mixed – severe, without mention of psychotic behavior
296.64	Bipolar I disorder; most recent episode (or current) mixed – severe, specified as with psychotic disorder
296.7	Bipolar I disorder; most recent episode (or current) unspecified
296.80	Bipolar disorder, unspecified
296.90	Unspecified episodic mood disorder
296.99	Other specified episodic mood disorder
295.00	Simple type schizophrenia – unspecified
295.01	Simple type schizophrenia – subchronic
295.02	Simple type schizophrenia – chronic
295.03	Simple type schizophrenia – subchronic with acute exacerbation
295.04	Simple type schizophrenia – chronic with acute exacerbation
295.05	Simple type schizophrenia – in remission
295.10	Disorganized type schizophrenia – unspecified
295.11	Disorganized type schizophrenia – subchronic
295.12	Disorganized type schizophrenia – chronic
295.13	Disorganized type schizophrenia – subchronic with acute exacerbation
295.14	Disorganized type schizophrenia – chronic with acute exacerbation
295.15	Disorganized type schizophrenia – in remission

295.20 Catatonic type schizophrenia – unspecified
295.21 Catatonic type schizophrenia – subchronic
295.22 Catatonic type schizophrenia – chronic
295.23 Catatonic type schizophrenia – subchronic with acute exacerbation
295.24 Catatonic type schizophrenia – chronic with acute exacerbation
295.30 Paranoid type schizophrenia – unspecified
295.31 Paranoid type schizophrenia – subchronic
295.32 Paranoid type schizophrenia – chronic
295.33 Paranoid type schizophrenia – subchronic with acute exacerbation
295.34 Paranoid type schizophrenia – chronic with acute exacerbation
295.35 Paranoid type schizophrenia – in remission
295.40 Schizophreniform disorder – unspecified
295.41 Schizophreniform disorder – subchronic
295.42 Schizophreniform disorder – chronic
295.43 Schizophreniform disorder – subchronic with acute exacerbation
295.44 Schizophreniform disorder – chronic with acute exacerbation
295.45 Schizophreniform disorder – in remission
295.50 Latent schizophrenia – unspecified
295.53 Latent schizophrenia – subchronic with acute exacerbation
295.54 Latent schizophrenia – chronic with acute exacerbation
295.60 Residual type schizophrenia – unspecified
295.62 Residual type schizophrenia – chronic
295.63 Residual type schizophrenia – subchronic with acute exacerbation
295.64 Residual type schizophrenia – chronic with acute exacerbation
295.65 Residual type schizophrenia – in remission
295.70 Schizoaffective disorder – unspecified
295.71 Schizoaffective disorder – subchronic
295.72 Schizoaffective disorder – chronic
295.73 Schizoaffective disorder – subchronic with acute exacerbation
295.74 Schizoaffective disorder – chronic with acute exacerbation
295.75 Schizoaffective disorder – in remission
295.80 Other specified types of schizophrenia – unspecified
295.82 Other specified types of schizophrenia – chronic
295.83 Other specified types of schizophrenia – subchronic with acute exacerbation
295.84 Other specified types of schizophrenia – chronic with acute exacerbation
295.85 Other specified types of schizophrenia – in remission
295.90 Unspecified schizophrenia – unspecified
295.91 Unspecified schizophrenia – subchronic
295.92 Unspecified schizophrenia – chronic
295.93 Unspecified schizophrenia – subchronic with acute exacerbation
295.95 Unspecified schizophrenia – in remission
297.00 Paranoid state, simple
297.1 Delusional disorder

297.2	Paraphrenia
297.3	Shared psychotic disorder
297.8	Other specified paranoid states
297.9	Unspecified paranoid state
298.0	Depressive type psychosis
298.1	Excitative type psychosis
298.2	Reactive confusion
298.3	Acute paranoid reaction
298.4	Psychogenic paranoid psychosis
298.8	Other and unspecified reactive psychosis
298.9	Unspecified psychosis

Abbreviation: ICD-9-CM, International Classification of Diseases, Ninth Revision, Clinical Modification

Appendix A.3. List of ICD-9-CM diagnosis codes and descriptions (inclusion and exclusion criteria) for emergency department visits for psychoses or bipolar disorders

Inclusion criteria (all-listed)	
Psychoses or bipolar disorders	
296.00	Bipolar I disorder, single manic episode – unspecified
296.03	Bipolar I disorder, single manic episode – severe, without mention of psychotic behavior
296.04	Bipolar I disorder, single manic episode – severe, specified as with psychotic behavior
296.10	Manic disorder, recurrent episode – unspecified
296.13	Manic disorder, recurrent episode – severe, without mention of psychotic behavior
296.14	Manic disorder, recurrent episode – severe, specified as with psychotic behavior
296.24	Major depressive disorder, single episode – severe, specified as with psychotic behavior
296.34	Major depressive disorder, recurrent episode – severe, specified as with psychotic behavior
296.40	Bipolar I disorder; most recent episode (or current) manic – unspecified
296.41	Bipolar I disorder; most recent episode (or current) manic – mild
296.42	Bipolar I disorder; most recent episode (or current) manic – moderate
296.43	Bipolar I disorder; most recent episode (or current) manic – severe, without mention of psychotic behavior
296.44	Bipolar I disorder; most recent episode (or current) manic – severe, specified as with psychotic disorder
296.50	Bipolar I disorder; most recent episode (or current) depressed – unspecified
296.52	Bipolar I disorder; most recent episode (or current) depressed – moderate
296.53	Bipolar I disorder; most recent episode (or current) depressed – severe, without mention of psychotic behavior
296.54	Bipolar I disorder; most recent episode (or current) depressed – severe, specified as with psychotic disorder
296.60	Bipolar I disorder; most recent episode (or current) mixed – unspecified
296.62	Bipolar I disorder; most recent episode (or current) mixed – moderate
296.63	Bipolar I disorder; most recent episode (or current) mixed – severe, without mention of psychotic behavior
296.64	Bipolar I disorder; most recent episode (or current) mixed – severe, specified as with psychotic disorder
296.7	Bipolar I disorder; most recent episode (or current) unspecified
296.80	Bipolar disorder, unspecified
296.90	Affective Psychosis Nos (after Oct 1, 2004)
296.99	Unspecified episodic mood disorder
295.00	Simple type schizophrenia – unspecified
295.01	Simple type schizophrenia – unspecified
295.02	Simple type schizophrenia – subchronic
295.03	Simple type schizophrenia – chronic
295.04	Simple type schizophrenia – subchronic with acute exacerbation
295.05	Simple type schizophrenia – chronic with acute exacerbation
295.10	Disorganized type schizophrenia – unspecified
295.11	Disorganized type schizophrenia – subchronic
295.12	Disorganized type schizophrenia – chronic
295.13	Disorganized type schizophrenia – subchronic with acute exacerbation
295.14	Disorganized type schizophrenia – chronic with acute exacerbation
295.15	Disorganized type schizophrenia – in remission
295.20	Catatonic type schizophrenia – unspecified
295.21	Catatonic type schizophrenia – subchronic

295.22 Catatonic type schizophrenia – chronic
295.23 Catatonic type schizophrenia – subchronic with acute exacerbation
295.24 Catatonic type schizophrenia – chronic with acute exacerbation
295.30 Paranoid type schizophrenia – unspecified
295.31 Paranoid type schizophrenia – subchronic
295.32 Paranoid type schizophrenia – chronic
295.33 Paranoid type schizophrenia – subchronic with acute exacerbation
295.34 Paranoid type schizophrenia – chronic with acute exacerbation
295.35 Paranoid type schizophrenia – in remission
295.40 Schizophreniform disorder – unspecified
295.41 Schizophreniform disorder – subchronic
295.42 Schizophreniform disorder – chronic
295.43 Schizophreniform disorder – subchronic with acute exacerbation
295.44 Schizophreniform disorder – chronic with acute exacerbation
295.45 Schizophreniform disorder – in remission
295.50 Latent schizophrenia – unspecified
295.53 Latent schizophrenia – subchronic with acute exacerbation
295.54 Latent schizophrenia – chronic with acute exacerbation
295.60 Residual type schizophrenia – unspecified
295.62 Residual type schizophrenia – chronic
295.63 Residual type schizophrenia – subchronic with acute exacerbation
295.64 Residual type schizophrenia – chronic with acute exacerbation
295.65 Residual type schizophrenia – in remission
295.70 Schizoaffective disorder – unspecified
295.71 Schizoaffective disorder – subchronic
295.72 Schizoaffective disorder – chronic
295.73 Schizoaffective disorder – subchronic with acute exacerbation
295.74 Schizoaffective disorder – chronic with acute exacerbation
295.75 Schizoaffective disorder – in remission
295.80 Other specified types of schizophrenia – unspecified
295.82 Other specified types of schizophrenia – chronic
295.83 Other specified types of schizophrenia – subchronic with acute exacerbation
295.84 Other specified types of schizophrenia – chronic with acute exacerbation
295.85 Other specified types of schizophrenia – in remission
295.90 Unspecified schizophrenia – unspecified
295.91 Unspecified schizophrenia – subchronic
295.92 Unspecified schizophrenia – chronic
295.93 Unspecified schizophrenia – subchronic with acute exacerbation
295.95 Unspecified schizophrenia – in remission
297.00 Paranoid state, simple
297.1 Delusional disorder
297.2 Paraphrenia
297.3 Shared psychotic disorder
297.8 Other specified paranoid states
297.9 Unspecified paranoid state
298.0 Depressive type psychosis
298.1 Excitatory type psychosis
298.2 Reactive confusion
298.3 Acute paranoid reaction

298.4	Psychogenic paranoid psychosis
298.8	Other and unspecified reactive psychosis
298.9	Unspecified psychosis

Abbreviation: ICD-9-CM, International Classification of Diseases, Ninth Revision, Clinical Modification