

Supplemental Digital Content 1

Code	Variable	Included conditions	ICD-9 / E-code	Reason For Visit
sub	Substance Abuse or Dependence	Abuse, dependence, and diagnoses of substance-induced psychiatric symptoms.	291.0-292.99, 303.0-305.09, 305.2-305.99, 980.0-980.99	1145.0, 1150.0, 2320.0, 2321.0, 5910.0, 5915.0
alcab	Alcohol	Abuse, dependence, and diagnoses of substance-induced psychiatric symptoms.	291.0-291.99, 303.0-303.99, 305.0-305.09, 980.0-980.99	1145.0, 2320.0, 5915.0,
drgab	Illicit Drugs	Abuse, dependence, and diagnoses of substance-induced psychiatric symptoms.	292.0-292.99, 304.0-304.99, 305.2-305.99	1150.0, 2321.0, 5910.0
opi	Opioid/ Sedative/Hypnotic/Anxiolytic	Abuse or dependence	304.0-304.09, 305.5-305.59, 304.1-304.19, 305.4-305.49	
coc	Cocaine/Amphetamine/Stimulant/Sympathomimetic	Abuse or dependence	304.2-304.29, 304.4-304.49, 305.6-305.79	
can	Cannabis/Hallucinogen	Abuse or dependence	304.3-304.39, 304.5-304.59, 305.20-305.39	
ouc	Other/Unspecified/Combined	Abuse or dependence	304.6-304.99, 305.9-305.99	
ment	All Mental Health Visits	We defined mental health conditions as the presence of schizophrenic disorders, mood disorders, delusional disorders, nonorganic psychoses, psychoses specific to childhood, neurotic disorders, personality disorders, acute reaction to stress, adjustment reaction, depressive disorders, disturbances of conduct, disturbances of emotions specific to childhood and adolescence, dementias, transient or persistent mental disorders, hyperkinetic syndromes of childhood, suicide, or other <i>ICD-9</i> diagnoses related to mental health.	290.0-290.99, 293.0-301.99, 307.0-307.39, 307.5-307.59, 307.8-307.89, 308.0-309.99, 311.0-314.99, e9950-e9959	*1100.0-1134.9, 1155.0-1159.0, 1165.0, 1166.0-1199.9, 2300.0-2319.9, 2330.0-2349.9, 5818.0-5820.9
adj	Adjustment Disorders		309.0-309.20, 309.22-309.80, 309.82-309.99	

anx	Anxiety Disorders	Panic disorders, generalized anxiety disorders, phobias, obsessive compulsive disorders, and post-traumatic stress disorders),	300.0-300.09, 300.2-300.39, 308.0-308.99, 309.81, 309.21	*1100.0,1105.0,1130.5
bip	Manic/Hypomanic Disorders	Bipolar disorders and manic or hypomanic disorders	296.0-296.19, 296.4-296.81, 296.89, 301.11, 301.13	
cdi	Disruptive Behavior Disorders	Conduct disorders, disorders of impulse control, and attention deficit disorders	312.0-312.49, 312.80-312.99, 313.81, 314.00-314.99	*1130.0,1125.0
depr	Depressive Disorders	Nonpsychotic major depression and atypical depression	296.2-296.23, 296.25-296.39, 296.82, 300.4, 301.12, 313.1-313.19	*1110.0
hdp	Psychotic Disorders	Dementias, schizophrenia, and autistic disorders	290.0-290.99, 293.0-295.99, 296.24, 296.34, 297.0-299.99	*1155.0
suic	Suicide/Self-harm	Intentional self-inflicted injury, suicide attempt, or intentional overdose.	e9950-e9959	5818.0, 5820.0,5820.1
op	Other Psychiatric Disorders	Mental health visits not included in aforementioned subcategories	Determined by taking Mental Health Component codes without including codes found in adjustment disorders, anxiety disorders, manic/hypomanic disorders, disruptive behavior disorders, depressive disorders, psychotic disorders, suicide/ self-harm .	
alldu	Dual Diagnosis	Any visit that included both mental health and substance use in any number of combinations of the 3 reason for visit codes, <i>ICD-9</i> diagnoses, or <i>ICD-9</i> E-codes. For example, dual diagnosis may be represented by any qualifying substance use reason for visit and any qualifying mental health <i>ICD-9</i> diagnosis. Alternatively, mental health may be coded as a primary <i>ICD-9</i> diagnosis and substance use as a secondary, or vice versa	Substance Abuse or Dependence and Mental Health Component co-occurring for visit	

*In creating a variable for "mental health reasons for visits (RFV)" to incorporate into the "All Mental Health Visits" variable, we excluded visits with any substance abuse component (except in the case of suicide/self-harm), because substance use confounds mental health symptoms. However, the same visits might still be included in the "All Mental Health Visits" variable if they were to contain mental health ICD-9 diagnosis, rather than RFV, codes. We also excluded visits for sexual and gender identity disorders, developmental delays, psychic factors associated with diseases classified elsewhere, and intellectual disabilities from our "All Mental Health Visits" variable.