



## Substance use and mental health indicator ICD-10-CM Codes for use with EMS Data

### Notes:

1. Search EMS record for Any Mention of an included ICD-10-CM code in the Provider Primary or Secondary Impression Fields (*eSituation.11*, *eSituation.12*) or Primary or other associated symptoms fields (*eSituation.09*, *eSituation.10*)
2. Indicators are NOT mutually exclusive
3. If a truncated code is listed, the truncated code and all sub-codes are included. Asterisk (\*) is used to denote a truncated code that does NOT include sub-codes

### SUBSTANCE USE INDICATORS

Indicator name	Description	PERL Regular expression	ICD-10-CM Codes (Any Mention in <i>eSituation.11</i> , <i>eSituation.12</i> , <i>eSituation.09</i> , <i>eSituation.10</i> )
<b>ALCOHOL</b>	Alcohol related	^F10 ^G621 ^G312 ^G721 ^I426 ^K292 ^K70 ^K852 ^K860 ^Q860 ^P043 ^O354 ^O9931 ^T510	F10.1 ="Alcohol Abuse" F10.2 ="Alcohol Dependence" F10.9 ="Alcohol Use" G62.1 ="Alcoholic Polyneuropathy" G31.2 ="Degeneration of nervous system due to alcohol" G72.1 ="Alcoholic myopathy" I42.6 ="Alcoholic Cardiomyopathy" K29.2 ="Alcoholic Gastritis" K70 ="Alcoholic liver disease" K85.2 ="Alcohol-induced acute pancreatitis" K86.0 ="Alcohol-induced chronic pancreatitis" Q86.0, P04.3, O35.4 ="Fetal alcohol syndrome and Maternal care for (suspected) damage to fetus from alcohol" O99.31 ="Alcohol use complicating pregnancy, childbirth, and the puerperium" T51.0 ="Toxic effect of ethanol"
<b>CANNABIS</b>	Cannabis related	^F12 ^T407	F12.1 ="Cannabis Abuse" F12.2 ="Cannabis Dependence" F12.9 ="Cannabis Use" T40.7 ="Poisoning by, adverse effect of and underdosing of cannabis"
<b>OPIOID<sup>1</sup></b>	Opioid related	^F11 ^T40[0-46]	F11.1 ="Opioid Abuse" F11.2 ="Opioid Dependence" F11.9 ="Opioid Use" T40.0 ="Poisoning by, adverse effect of and underdosing of opium" T40.1 ="Poisoning by and adverse effect of heroin" T40.2 ="Poisoning by, adverse effect of and underdosing of other opioids" T40.3 ="Poisoning by, adverse effect of and underdosing of methadone" T40.4 ="Poisoning by, adverse effect of and underdosing of other synthetic narcotics" T40.6 ="Poisoning by, adverse effect of and underdosing of other and unspecified narcotics"

<sup>1</sup> NOTE: The [MT EMS Opioid Overdose Syndrome](#) details expanded criteria for identifying opioid overdose related EMS records.



Indicator name	Description	PERL Regular expression	ICD-10-CM Codes (Any Mention in eSituation.11, eSituation.12, eSituation.09, eSituation.10)
<b>STIMULANT</b>	Stimulant related	^F1[45] ^T405 ^T436	F14.1 ="Cocaine Abuse" F14.2 ="Cocaine Dependence" F14.9 ="Cocaine Use" F15.1 ="Other Stimulant Abuse" F15.2 ="Other Stimulant Dependence" F15.9 ="Other Stimulant Use" T40.5 ="Poisoning by, adverse effect of and underdosing of cocaine" T40.5 ="Poisoning by, adverse effect of and underdosing of psychostimulants"
<b>MISCSA_1</b>	Miscellaneous Other or unspecified substance	^F1[3689] ^F55 ^O355 ^O9932 ^T652 ^T40[89] ^T42[34] ^T509 ^T659	F13 ="Sedative, hypnotic, or anxiolytic Abuse/Dependence/Use" F16 ="Hallucinogen Abuse/Dependence/Use" F18 ="Inhalant Abuse/Dependence/Use" F19 ="Other psychoactive substance Abuse/Dependence/Use" F55 ="Abuse of non-psychoactive substances" O35.5 ="Maternal care for (suspected) damage to fetus from drugs" O99.32 ="Drug use complicating pregnancy, childbirth, and the puerperium" T40.8 ="Poisoning by and adverse effect of lysergide [LSD]" T40.9 ="Poisoning by, adverse effect of and underdosing of other and unspecified psychodysleptics [hallucinogens]" T42.3 ="Poisoning by, adverse effect of and underdosing of barbiturates" T42.4 ="Poisoning by, adverse effect of and underdosing of benzodiazepines" T50.9 ="Poisoning by, adverse effect of and underdosing of other and unspecified drugs, medicaments and biological substances" T65.9 ="Toxic Effects of Unspecified Substances"
<b>SU</b>	Any Substance use		Any mention of a code from the following indicators: ALCOHOL, CANNABIS, OPIOID, STIMULANT, MISCSA_

<sup>1</sup> NOTE: Due to issues with inaccurate usage of code the "F13", we cannot assume that any record coded with F13 is sedative related. Therefore, all codes pertaining to sedative use or poisoning by sedatives are grouped in with the MISCSA\_ indicator until further notice.



**MENTAL HEALTH INDICATORS<sup>1</sup>**

Indicator name	Description	PERL Regular expression	ICD-10-CM Codes (Any Mention in eSituation.11, eSituation.12, eSituation.09, eSituation.10)
<b>PSYCHOTIC</b>	Schizophrenia and related disorders	^F06[0-2] ^F2[0-589]	F06.0-F06.2 ="Psychotic or catatonic disorders due to known physiological condition" F20 ="Schizophrenia" F21 ="Schizotypal (personality) disorder" F22 ="Delusional disorders" F23 ="Brief psychotic disorder" F24 ="Shared psychotic disorder" F25 ="Schizoaffective disorders" F28, F29 ="Other and unspecified psychotic disorder not due to a substance or known physiological condition"
<b>MOOD</b>	Mood (Affective) disorders	^F3[01249] ^F063 ^O906 ^R45[23]^R458[14]	F30 ="Manic episode" F31 ="Bipolar disorder" F32 ="Major depressive disorder" F34 ="Persistent mood disorders" F39 ="Unspecified mood disorder" F06.3 ="Mood disorder due to known physiological condition" O90.6 ="Postpartum mood disturbance" R45.2 ="Unhappiness" R45.3 ="Demoralization and apathy" R45.81 ="Low self-esteem" R45.84 ="Anhedonia"
<b>ANXIETY</b>	Anxiety Disorders	^F064 ^F4[01]^F930 ^F94[089]^R466 ^R45[01]^R4582	F06.4 ="Anxiety disorder due to known physiological condition" F40 ="Phobic anxiety disorders" F41 ="Other anxiety disorders" F93.0 ="Separation anxiety disorder of childhood" F94.0 ="Selective mutism" F94.8, F94.9 ="Other and unspecified childhood disorders of social functioning" R46.6 ="Undue concern and preoccupation with stressful events" R45.0 ="Nervousness" R45.1 ="Restlessness and agitation" R45.82 ="Worries"

<sup>1</sup> NOTE: Except for self-harm and assault, the Mental health indicators listed here do not explicitly include substance use-induced conditions



Indicator name	Description	PERL Regular expression	ICD-10-CM Codes (Any Mention in eSituation.11, eSituation.12, eSituation.09, eSituation.10)
<b>SELPHARM</b>	Intentional self-harm, suicidal ideation, and suicide attempt	(T3[679]9 T414 T427 T4[3579]9)2 (?!(T3[679]9 T414 T427 T4[3579]9)) (T3[6-9] T4[0-9] T50)..2 ((T5[1-46-9] T6[0-35])9 (T58 T61)[01] T64[08])2 (?!(T5[1-46-9] T6[0-35])9 (T58 T61)[01] T64[08]) (T5[1-9] T6[0-5])..2 ^X7[1-9] ^X8[0-3]) ^T71..2 ^T1491 ^R45851	R45.851 ="Suicidal ideations" T14.91 ="Suicide attempt" T36-T50 with intent character of 2 ="Poisoning by drugs, medicaments and biological substances (intentional self-harm)" T51-T65 with intent character of 2 ="Toxic effects of non-medicinal substances (intentional self-harm)" T71 with intent character of 2 ="Asphyxiation (intentional self-harm)" X71 ="Intentional self-harm by drowning and submersion" X72 ="Intentional self-harm by handgun discharge" X73 ="Intentional self-harm by rifle, shotgun and larger firearm discharge" X74 ="Intentional self-harm by other and unspecified firearm and gun discharge" X75 ="Intentional self-harm by explosive material" X76 ="Intentional self-harm by smoke, fire and flames" X77 ="Intentional self-harm by steam, hot vapors and hot objects" X78 ="Intentional self-harm by sharp object" X79 ="Intentional self-harm by blunt object" X80 ="Intentional self-harm by jumping from a high place" X81 ="Intentional self-harm by jumping or lying in front of moving object" X82 ="Intentional self-harm by crashing of motor vehicle" X83 ="Intentional self-harm by other specified means"
<b>ASSAULT</b>	Assault, homicidal ideation, violence, hostility, and abuse/neglect/other maltreatment	(T3[679]9 T414 T427 T4[3579]9)3 (?!(T3[679]9 T414 T427 T4[3579]9)) (T3[6-9] T4[0-9] T50)..3 ((T5[1-46-9] T6[0-35])9 (T58 T61)[01] T64[08])3 (?!(T5[1-46-9] T6[0-35])9 (T58 T61)[01] T64[08]) (T5[1-9] T6[0-5])..3 ^T71..3 ^R45850 ^R45[456] ^X9[2-9] ^Y0[0-9] ^T7[46]	R45.850 ="Homicidal ideations" R45.4 ="Irritability and anger" R45.5 ="Hostility" R45.6 ="Violent Behavior" T36-T50 with intent character of 3 ="Poisoning by drugs, medicaments and biological substances (assault)" T51-T65 with intent character of 3 ="Toxic effects of non-medicinal substances (assault)" T71 with intent character of 3 ="Asphyxiation (assault)" X92 ="Assault by drowning and submersion" X93 ="Assault by handgun discharge" X94 ="Assault by rifle, shotgun and larger firearm discharge" X95 ="Assault by other and unspecified firearm and gun discharge" X96 ="Assault by explosive material" X97 ="Assault by smoke, fire and flames" X98 ="Assault by steam, hot vapors and hot objects" X99 ="Assault by sharp object" Y00 ="Assault by blunt object" Y01 ="Assault by pushing from high place" Y02 ="Assault by pushing or placing victim in front of moving object" Y03 ="Assault by crashing of motor vehicle" Y04 ="Assault by bodily force" Y07 ="Perpetrator of assault, maltreatment and neglect" Y08 ="Assault by other specified means" Y09 ="Assault by unspecified means" T74 ="Adult and child abuse, neglect and other maltreatment, confirmed" T76 ="Adult and child abuse, neglect and other maltreatment, suspected"



Indicator name	Description	PERL Regular expression	ICD-10-CM Codes (Any Mention in eSituation.11, eSituation.12, eSituation.09, eSituation.10)
<b>MISCMENTAL</b>	Miscellaneous mental and behavioral disorders	^R462 ^R44[01] ^F068 ^F09 ^F48[189] ^F65 ^F939 ^F99 ^O9934 (^R458[59])(\$ \b)	R46.2 ="Strange and inexplicable behavior" R44.0, R44.1 = "Auditory or Visual hallucinations" F06.8, F09 ="Other and unspecified mental disorders due to known physiological condition" F48.1, F48.8, F48.9 ="Nonpsychotic mental disorders" F65 ="Paraphilias" F93.9 ="Childhood emotional disorder, unspecified" F99 ="Mental disorder NOS" O99.34 ="Other mental disorders complicating pregnancy, childbirth, and the puerperium" R45.85*="Homicidal and suicidal ideations" R45.89 ="Other symptoms and signs involving emotional state"
<b>MH</b>	Any Mental Health	^F0[1-9] ^F4[0-8] ^F5[0-9] ^F9[0-9] ^R4[4-5]	Any mention of a code from the following indicators: PSYCHOTIC, MOOD, ANXIETY, SELFHARM, ASSAULT, MISCMENTAL Plus include: F01-F09 F40-F48 F50-F59 F90-F99 R44-R45