

Table S1. ICD-10-CM diagnosis codes defining opioid-related encounters.

Type of opioid-related condition	ICD-10-CM diagnosis codes
Abuse or dependence	F11 series: Opioid-related disorders (except F11.21)
Adverse event	T40.0X5: Adverse effect of opium T40.2X5: Adverse effect of other opioids T40.3X5: Adverse effect of methadone T40.4X5: Adverse effect of other synthetic narcotics T40.605: Adverse effect of unspecified narcotics T40.695: Adverse effect of other narcotics
Poisoning, including self-harm	T40.0X1, 0X2, 0X3, 0X4: Poisoning by opium—accidental, intentional self-harm, assault, or undetermined T40.1X1, 1X2, 1X3, 1X4: Poisoning by heroin—accidental, intentional self-harm, assault, or undetermined T40.2X1, 2X2, 2X3, 2X4: Poisoning by other opioids—accidental, intentional self-harm, assault, or undetermined T40.3X1, 3X2, 3X3, 3X4: Poisoning by methadone—accidental, intentional self-harm, assault, or undetermined T40.4X1, 4X2, 4X3, 4X4: Poisoning by other synthetic narcotics—accidental, intentional self-harm, assault, or undetermined T40.601–T40.604: Poisoning by unspecified narcotics—accidental, intentional self-harm, assault, or undetermined T40.691–T40.694: Poisoning by other narcotics—accidental, intentional self-harm, assault, or undetermined