

## APPENDIX I

Table E1: ICD-9 and ICD-10 codes included in outcome definition

<b>Opioid poisoning</b>	<b>Code</b>	<b>Description</b>
	E8500	Accidental poisoning by heroin
	E8501	Accidental poisoning by methadone
	E8502	Accidental poisoning by other opiates and related narcotics
	96500	Poisoning by opium (alkaloids) unspecified
	96501	Poisoning by heroin
	96502	Poisoning by methadone
	96509	Poisoning by other opiates and related narcotics
	T400	Poisoning by opium
	T401	Poisoning by heroin
	T402	Poisoning by other opioids
	T403	Poisoning by methadone
	T404	Poisoning by other synthetic narcotic
	T406	Poisoning by other and unspecified narcotics
	X42	Accidental poisoning by and exposure to narcotics and psychodysleptics [hallucinogens], not elsewhere classified
<b>Adverse effects of opioids</b>	E9350	Heroin causing adverse effects in therapeutic use
	E9351	Methadone causing adverse effects in therapeutic use
	E9352	Other opiates and related narcotics causing adverse effects in therapeutic use
	Y450	Drugs, medicaments and biological substances causing adverse effects in therapeutic use: Opioids and related analgesics

\*The first occurrence of any one code will define presence of the event

Table E2: Prescription opioids and benzodiazepines under study

<b>Opioid type</b>	<b>ATC codes</b>
ANILERIDINE	N01AH05
BUPRENORPHINE	N02AE01, N07BC51
BUTORPHANOL	N02AF01
CODEINE	N02AA59, N02AA79, N02AJ06, N02BE51, R05DA04
FENTANYL	N01AH01, N02AB03
HYDROCODONE	R05DA03
HYDROMORPHINE	N02AA03
MEPERIDINE / PETHIDINE	N02AB02
METHADONE	N07BC02
MORPHINE	N02AA01
OPIUM	N02AA02
OXYCODONE	N02AA05, N02AA55, N02AJ17
PENTAZOCINE	N02AD01

TAPENTADOL	N02AX06
TRAMADOL	N02AJ13, N02AX02
<b>Benzodiazepine type</b>	<b>ATC codes</b>
ALPRAZOLAM	N05BA12
BROMAZEPAM	N05BA08
CHLORDIAZEPOXIDE	N05BA02
CLOBAZAM	N05BA09
CLONAZEPAM	N03AE01
DIAZEPAM	N05BA01
FLURAZEPAM	N05CD01
LORAZEPAM	N05BA06
MIDAZOLAM	N05CD08
NITRAZEPAM	N05CD02
OXAZEPAM	N05BA04
TEMAZEPAM	N05CD07
TRIAZOLAM	N05CD05

\*Includes combination versions of the molecule of interest