

Supplemental Online Content

Bruzelius E, Martins SS. US Trends in drug overdose mortality among pregnant and postpartum persons, 2017-2020. *JAMA*. doi:10.1001/jama.2022.17045

eTable 1. *ICD-10* codes identifying and classifying pregnancy-associated deaths

eTable 2. *ICD-10* codes identifying and classifying drug overdose deaths

This supplemental material has been provided by the authors to give readers additional information about their work.

eTable 1. ICD-10 codes identifying and classifying pregnancy-associated deaths

Definition	ICD-10 codes	Timing
Pregnancy with abortive outcome	O001, O009, O019, O021, O035, O036, O039, O063, O068, O069, O077	Pregnancy
Other maternal disorders predominantly related to pregnancy	O210, O223, O225, O229, O235, O244, O249, O269	
Maternal care related to the fetus and amniotic cavity and possible delivery problems	O364, O441, O459, O460, O468, O469	
Complications of labor and delivery	O622, O711	
Postpartum hemorrhage	O720, O721	Early postpartum
Puerperal sepsis	O850	
Cardiomyopathy in the puerperium	O903	
Other classification of the puerperium not elsewhere classified	O908	
Death from causes occurring more than 42 days but less than 1 year from delivery	O96	Late postpartum
Death from pregnancy-related causes with indeterminate timing	O266, O268, O364, O690, O753, O754, O759, O881, O882, O95, O985, O988, O990, O991, O992, O993, O994, O996, O998	Indeterminate pregnancy timing

ICD-10 codes identifying pregnancy-associated deaths were based on the approaches specified by Margerison et al.³ Early postpartum refers to deaths occurring within 43 days of death. Late postpartum refers to deaths occurring between 43 days to 1-year of death.

eTable 2. ICD-10 codes identifying and classifying drug overdose deaths

Definition	ICD-10 codes
	Underlying cause-of-death
	X40–44 (unintentional)
	X60–64 (suicide)
	X85 (homicide)
	Y10–14 (undetermined intent)
Drug type	Multiple cause cause-of-death
Benzodiazepines	T42.4 (benzodiazepines)
Fentanyl and other synthetic opioids	T40.4 (synthetic opioids other than methadone)
Heroin	T40.1 (heroin)
Prescription opioids	T40.2 (natural opioid analgesics, including morphine and codeine, and semisynthetic opioids, including drugs such as oxycodone, hydrocodone, hydromorphone, and oxymorphone)
	T40.3 (methadone)
Psychostimulants	T43.6 (psychostimulants with abuse potential, primarily methamphetamine)
	T40.5 (cocaine)
Unspecified	T40.6 (other and unspecified narcotics)

Deaths involving unspecified narcotics (T40.1) were included in calculation of total drug overdose mortality rates but were not separately reported due to National Center for Health Statistics requirements specifying that counts with fewer than 10 observations are suppressed. All deaths specifying other and unspecified narcotics (T40.6) were also captured under other drug type categories (i.e., no record specified T40.6 alone).