



# North Carolina Poisoning Surveillance Definitions

		Emergency Department & Hospitalization Data: Diagnosis Codes				Death Data: Cause of Death Codes	
Syndrome	Case Definition	Intent	ICD-10-CM Codes	ICD-9-CM Codes		ICD-10 Codes	
			Any Diagnosis (Dx)	Any Diagnosis (Dx)	External Cause (Ecode)	Primary Cause of Death (COD1)	Contributing Cause of Death (COD2-COD21)
Any Poisoning	Any poisoning by medications, drugs, heavy metals, chemicals, or toxins	All	T36-T65; a 5th/6th* character of 1-accidental/unintentional, 2-self-inflicted/suicide, 3-assault, or 4-undetermined intent; a 7th character of A-initial encounter, D-subsequent encounter, or missing	960-989	E850-E858: Accidental/unintentional E860-E869: Accidental/unintentional E950-E952: Self-inflicted/suicide E962: Assault E980-E982: Undetermined E972 Legal Intervention by Gas E979.6-.7 & E979.9: Terrorism	X40-X49: Accidental/unintentional X60-X69: Self-inflicted/suicide X85-90: Assault Y10-Y19: Undetermined	
		Unintentional	T36-T65; a 5th/6th* character of 1-accidental/unintentional; a 7th character of A-initial encounter, D-subsequent encounter, or missing		E850-E858: Accidental/unintentional E860-E869: Accidental/unintentional	X40-X49: Accidental/unintentional	
		Self-Inflicted	T36-T65; a 5th/6th* character of 2-self-inflicted/suicide; a 7th character of A-initial encounter, D-subsequent encounter, or missing		E950-E952: Self-inflicted/suicide	X60-X69: Self-inflicted/suicide	
Medication and Drug Poisoning	Any poisoning by medications, drugs, or biological substances	All	T36-T50; a 5th/6th* character of 1-accidental/unintentional, 2-self-inflicted/suicide, 3-assault, or 4-undetermined intent; a 7th character of A-initial encounter, D-subsequent encounter, or missing	960-979	E850-E858: Accidental/unintentional E950.0-E950.5: Self-inflicted/suicide E962.0: Assault E980.0-E980.5: Undetermined	X40-X44: Accidental/unintentional X60-X64: Self-inflicted/suicide X85: Assault Y10-Y14: Undetermined	
		Unintentional	T36-T50; a 5th/6th* character of 1-accidental/unintentional; a 7th character of A-initial encounter, D-subsequent encounter, or missing		E850-E858: Accidental/unintentional	X40-X44: Accidental/unintentional	
		Self-Inflicted	T36-T50; a 5th/6th* character of 2-self-inflicted/suicide; a 7th character of A-initial encounter, D-subsequent encounter, or missing		E950.0-E950.5: Self-inflicted/suicide	X60-X64: Self-inflicted/suicide	
Opioid Poisoning	Broadest category of opioid poisoning; includes opium, prescription opioids, heroin, other synthetic narcotics, and other and unspecified narcotics	All	T40.0-T40.4, T40.6; a 5th/6th* character of 1-accidental/unintentional, 2-self-inflicted/suicide, 3-assault, or 4-undetermined intent; a 7th character of A-initial encounter, D-subsequent encounter, or missing	965.0: Poisoning by opiates and related narcotics	E850.0-E850.2: Accidental/unintentional	X40-X44: Accidental/unintentional X60-X64: Self-inflicted/suicide X85: Assault Y10-Y14: Undetermined	T40.0: Poisoning by opium T40.1: Poisoning by heroin T40.2: Poisoning by other opioids T40.3: Poisoning by methadone T40.4: Poisoning by other synthetic narcotics T40.6: Poisoning by other and unspecified narcotics
		Unintentional	T40.0-T40.4, T40.6; a 5th/6th* character of 1-accidental/unintentional; a 7th character of A-initial encounter, D-subsequent encounter, or missing		E850.0-E850.2: Accidental/unintentional	X40-X44: Accidental/unintentional	T40.0: Poisoning by opium T40.1: Poisoning by heroin T40.2: Poisoning by other opioids T40.3: Poisoning by methadone T40.4: Poisoning by other synthetic narcotics T40.6: Poisoning by other and unspecified narcotics
		Self-Inflicted	T40.0-T40.4, T40.6; a 5th/6th* character of 2-self-inflicted/suicide; a 7th character of A-initial encounter, D-subsequent encounter, or missing			X60-X64: Self-inflicted/suicide	T40.0: Poisoning by opium T40.1: Poisoning by heroin T40.2: Poisoning by other opioids T40.3: Poisoning by methadone T40.4: Poisoning by other synthetic narcotics T40.6: Poisoning by other and unspecified narcotics



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Syndrome	Case Definition	Intent	ICD-10-CM Codes	ICD-9-CM Codes		ICD-10 Codes	
			Any Diagnosis (Dx)	Any Diagnosis (Dx)	External Cause (Ecode)	Primary Cause of Death (COD1)	Contributing Cause of Death (COD2-COD21)
<b>Commonly Prescribed Opioid Poisoning</b>	<i>Prescription opioid poisoning; includes methadone and other prescription opioids</i>	All	<b>T40.2-T40.3</b> ; a 5th/6th* character* of 1-accidental/unintentional, 2-self-inflicted/suicide, 3-assault, or 4-undetermined intent; a 7th character of A-initial encounter, D-subsequent encounter, or missing	<b>965.02</b> : Poisoning by methadone <b>965.09</b> : Poisoning by other opiates and related narcotics	<b>E850.1-E850.2</b> : Accidental/unintentional	<b>X40-X44</b> : Accidental/unintentional <b>X60-X64</b> : Self-inflicted/suicide <b>X85</b> : Assault <b>Y10-Y14</b> : Undetermined	<b>T40.2</b> : Poisoning by other opioids <b>T40.3</b> : Poisoning by methadone
		Unintentional	<b>T40.2-T40.3</b> ; a 5th/6th* character of 1-accidental/unintentional; a 7th character of A-initial encounter, D-subsequent encounter, or missing		<b>E850.1-E850.2</b> : Accidental/unintentional	<b>X40-X44</b> : Accidental/unintentional	<b>T40.2</b> : Poisoning by other opioids <b>T40.3</b> : Poisoning by methadone
		Self-Inflicted	<b>T40.2-T40.3</b> ; a 5th/6th* character of 2-self-inflicted/suicide; a 7th character of A-initial encounter, D-subsequent encounter, or missing			<b>X60-X64</b> : Self-inflicted/suicide	<b>T40.2</b> : Poisoning by other opioids <b>T40.3</b> : Poisoning by methadone
<b>Methadone Poisoning</b>	<i>Methadone poisoning</i>	All	<b>T40.3</b> ; a 5th/6th* character of 1-accidental/unintentional, 2-self-inflicted/suicide, 3-assault, or 4-undetermined intent; a 7th character of A-initial encounter, D-subsequent encounter, or missing	<b>965.02</b> : Poisoning by methadone	<b>E850.1</b> : Accidental/unintentional	<b>X40-X44</b> : Accidental/unintentional <b>X60-X64</b> : Self-inflicted/suicide <b>X85</b> : Assault <b>Y10-Y14</b> : Undetermined	<b>T40.3</b> : Poisoning by methadone
		Unintentional	<b>T40.3</b> ; a 5th/6th* character of 1-accidental/unintentional; a 7th character of A-initial encounter, D-subsequent encounter, or missing		<b>E850.1</b> : Accidental/unintentional	<b>X40-X44</b> : Accidental/unintentional	<b>T40.3</b> : Poisoning by methadone
		Self-Inflicted	<b>T40.3</b> ; a 5th/6th* character of 2-self-inflicted/suicide; a 7th character of A-initial encounter, D-subsequent encounter, or missing			<b>X60-X64</b> : Self-inflicted/suicide	<b>T40.3</b> : Poisoning by methadone
<b>Other Synthetic Narcotic Poisoning</b>	<i>Other synthetic narcotic poisoning; most cases due to illicitly manufactured fentanyl and fentanyl analogues, this category may also include prescription fentanyl and other synthetic narcotics like Tramadol</i>	All	<b>T40.4</b> ; a 5th/6th* character of 1-accidental/unintentional, 2-self-inflicted/suicide, 3-assault, or 4-undetermined intent; a 7th character of A-initial encounter, D-subsequent encounter, or missing			<b>X40-X44</b> : Accidental/unintentional <b>X60-X64</b> : Self-inflicted/suicide <b>X85</b> : Assault <b>Y10-Y14</b> : Undetermined	<b>T40.4</b> : Poisoning by other synthetic narcotics
		Unintentional	<b>T40.4</b> ; a 5th/6th* character of 1-accidental/unintentional; a 7th character of A-initial encounter, D-subsequent encounter, or missing			<b>X40-X44</b> : Accidental/unintentional	<b>T40.4</b> : Poisoning by other synthetic narcotics
		Self-Inflicted	<b>T40.4</b> ; a 5th/6th* character of 2-self-inflicted/suicide; a 7th character of A-initial encounter, D-subsequent encounter, or missing			<b>X60-X64</b> : Self-inflicted/suicide	<b>T40.4</b> : Poisoning by other synthetic narcotics



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			Any Diagnosis (Dx)	Any Diagnosis (Dx)	External Cause (Ecode)	Primary Cause of Death (COD1)	Contributing Cause of Death (COD2-COD21)
Heroin Poisoning	<i>Heroin poisoning</i>	All	<b>T40.1</b> ; a 5th/6th* character of 1-accidental/unintentional, 2-self-inflicted/suicide, 3-assault, or 4-undetermined intent; a 7th character of A-initial encounter, D-subsequent encounter, or missing	<b>965.01</b> : Poisoning by heroin	<b>E850.0</b> : Accidental/unintentional	<b>X40-X44</b> : Accidental/unintentional <b>X60-X64</b> : Self-inflicted/suicide <b>X85</b> : Assault <b>Y10-Y14</b> : Undetermined	<b>T40.1</b> : Poisoning by heroin
		Unintentional	<b>T40.1</b> ; a 5th/6th* character of 1-accidental/unintentional; a 7th character of A-initial encounter, D-subsequent encounter, or missing		<b>E850.0</b> : Accidental/unintentional	<b>X40-X44</b> : Accidental/unintentional	<b>T40.1</b> : Poisoning by heroin
		Self-Inflicted	<b>T40.1</b> ; a 5th/6th* character of 2-self-inflicted/suicide; a 7th character of A-initial encounter, D-subsequent encounter, or missing			<b>X60-X64</b> : Self-inflicted/suicide	<b>T40.1</b> : Poisoning by heroin
Cocaine Poisoning	<i>Cocaine poisoning</i>	All	<b>T40.5</b> ; a 5th/6th* character of 1-accidental/unintentional, 2-self-inflicted/suicide, 3-assault, or 4-undetermined intent; a 7th character of A-initial encounter, D-subsequent encounter, or missing	<b>ICD-9-CM Codes for Cocaine currently under review</b>		<b>X40-X44</b> : Accidental/unintentional <b>X60-X64</b> : Self-inflicted/suicide <b>X85</b> : Assault <b>Y10-Y14</b> : Undetermined	<b>T40.5</b> : Poisoning by cocaine
		Unintentional	<b>T40.5</b> ; a 5th/6th* character of 1-accidental/unintentional; a 7th character of A-initial encounter, D-subsequent encounter, or missing			<b>X40-X44</b> : Accidental/unintentional	<b>T40.5</b> : Poisoning by cocaine
		Self-Inflicted	<b>T40.5</b> ; a 5th/6th* character of 2-self-inflicted/suicide; a 7th character of A-initial encounter, D-subsequent encounter, or missing			<b>X60-X64</b> : Self-inflicted/suicide	<b>T40.5</b> : Poisoning by cocaine
Psychostimulant Poisoning	<i>Poisoning by psychostimulants with abuse potential; includes psychostimulants like methamphetamine, amphetamines (Adderall, Ritalin, and others), and ecstasy</i>	All	<b>T43.6</b> ; a 5th/6th* character of 1-accidental/unintentional, 2-self-inflicted/suicide, 3-assault, or 4-undetermined intent; a 7th character of A-initial encounter, D-subsequent encounter, or missing	<b>969.7</b> : Poisoning by psychostimulants	<b>E854.2</b> : Accidental/unintentional	<b>X40-X44</b> : Accidental/unintentional <b>X60-X64</b> : Self-inflicted/suicide <b>X85</b> : Assault <b>Y10-Y14</b> : Undetermined	<b>T43.6</b> : Poisoning by psychostimulants with abuse potential
		Unintentional	<b>T43.6</b> ; a 5th/6th* character of 1-accidental/unintentional; a 7th character of A-initial encounter, D-subsequent encounter, or missing		<b>E854.2</b> : Accidental/unintentional	<b>X40-X44</b> : Accidental/unintentional	<b>T43.6</b> : Poisoning by psychostimulants with abuse potential
		Self-Inflicted	<b>T43.6</b> ; a 5th/6th* character of 2-self-inflicted/suicide; a 7th character of A-initial encounter, D-subsequent encounter, or missing			<b>X60-X64</b> : Self-inflicted/suicide	<b>T43.6</b> : Poisoning by psychostimulants with abuse potential



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Syndrome	Case Definition	Intent	ICD-10-CM Codes	ICD-9-CM Codes		ICD-10 Codes	
			Any Diagnosis (Dx)	Any Diagnosis (Dx)	External Cause (Ecode)	Primary Cause of Death (COD1)	Contributing Cause of Death (COD2-COD21)
<b>Benzodiazepine Poisoning</b>	<i>Benzodiazepine poisoning; familiar names include Valium and Xanax</i>	All	<b>T42.4</b> ; a 5th/6th* character of 1-accidental/unintentional, 2-self-inflicted/suicide, 3-assault, or 4-undetermined intent; a 7th character of A-initial encounter, D-subsequent encounter, or missing	<b>969.4</b> : Poisoning by benzodiazepine-based tranquilizers	<b>E853.2</b> : Accidental/unintentional	<b>X40-X44</b> : Accidental/unintentional <b>X60-X64</b> : Self-inflicted/suicide <b>X85</b> : Assault <b>Y10-Y14</b> : Undetermined	<b>T42.4</b> : Poisoning by benzodiazepines
		Unintentional	<b>T42.4</b> ; a 5th/6th* character of 1-accidental/unintentional; a 7th character of A-initial encounter, D-subsequent encounter, or missing		<b>E853.2</b> : Accidental/unintentional	<b>X40-X44</b> : Accidental/unintentional	<b>T42.4</b> : Poisoning by benzodiazepines
		Self-Inflicted	<b>T42.4</b> ; a 5th/6th* character of 2-self-inflicted/suicide; a 7th character of A-initial encounter, D-subsequent encounter, or missing			<b>X60-X64</b> : Self-inflicted/suicide	<b>T42.4</b> : Poisoning by benzodiazepines
<b>Antiepileptic and Sedative-Hypnotic Drug Poisoning</b>	<i>Poisoning by antiepileptic and sedative-hypnotic drugs; familiar names include Ambien and Gabapentin</i>	All	<b>T42.6</b> ; a 5th/6th* character of 1-accidental/unintentional, 2-self-inflicted/suicide, 3-assault, or 4-undetermined intent; a 7th character of A-initial encounter, D-subsequent encounter, or missing			<b>X40-X44</b> : Accidental/unintentional <b>X60-X64</b> : Self-inflicted/suicide <b>X85</b> : Assault <b>Y10-Y14</b> : Undetermined	<b>T42.6</b> : Poisoning by antiepileptic and sedative-hypnotic drugs
		Unintentional	<b>T42.6</b> ; a 5th/6th* character of 1-accidental/unintentional; a 7th character of A-initial encounter, D-subsequent encounter, or missing			<b>X40-X44</b> : Accidental/unintentional	<b>T42.6</b> : Poisoning by antiepileptic and sedative-hypnotic drugs
		Self-Inflicted	<b>T42.6</b> ; a 5th/6th* character of 2-self-inflicted/suicide; a 7th character of A-initial encounter, D-subsequent encounter, or missing			<b>X60-X64</b> : Self-inflicted/suicide	<b>T42.6</b> : Poisoning by antiepileptic and sedative-hypnotic drugs

\*For most codes in the **T36-T50** and **T51-T65** ranges, the 6th character of the code indicates intent. However, for **T36.9, T37.9, T39.9, T41.4, T42.7, T43.9, T45.9, T47.9, T49.9, T51.9, T52.9, T53.9, T54.9, T56.9, T57.9, T58.0, T58.1, T58.9, T59.9, T60.9, T61.0, T61.1, T61.9, T62.9, T63.9, T64.0, T64.8, and T65.9**, the 5th character indicates intent.

**Data sources:** Emergency Department Data-The North Carolina Disease Event Tracking and Epidemiologic Tool (NCDETECT); Hospital Data- North Carolina Healthcare Association; Death Data- North Carolina State Center for Health Statistics, Vital Statistics, Death Certificate Data