

10 Leading Causes of Injury Death, NYC, 2017-2019

Annual Average Count (Age-Specific Rate per 100,000)

Unintentional
 Intentional
 Suicide
 Undetermined

Rank	Age Groups										Total
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	
1	Undetermined Not Specified 34 (30)	Unintentional MV Traffic 3 (1)*	Unintentional Fire/Flame 3 (1)*	Suicide Suffocation 3 (1)*	Unintentional Poisoning 66 (7)	Unintentional Poisoning 284 (19)	Unintentional Poisoning 276 (24)	Unintentional Poisoning 381 (36)	Unintentional Poisoning 343 (34)	Unintentional Fall 384 (31)	Unintentional Poisoning 1465 (17)
2	Unintentional Suffocation 11 (10)	Unintentional Fire/Flame 2 (0)*	Unintentional MV Traffic 3 (1)*	Unintentional MV Traffic 2 (1)*	Homicide Firearm 49 (5)	Homicide Firearm 60 (4)	Suicide Suffocation 34 (3)	Suicide Suffocation 35 (3)	Unintentional Fall 60 (6)	Unintentional Poisoning 114 (9)	Unintentional Fall 507 (6)
3	Homicide Other Spec 3 (2)*	Homicide Other Spec 2 (0)*		Unintentional Fire/Flame 2 (0)*	Suicide Suffocation 23 (2)	Suicide Suffocation 50 (3)	Homicide Firearm 26 (2)	Undetermined Not Specified 33 (3)	Suicide Suffocation 38 (4)	Unintentional MV Traffic 71 (6)	Unintentional MV Traffic 224 (3)
4	Homicide Not Specified 2 (2)*				Unintentional MV Traffic 23 (2)	Unintentional MV Traffic 41 (3)	Undetermined Not Specified 26 (2)	Unintentional MV Traffic 27 (3)	Undetermined Not Specified 35 (4)	Undetermined Not Specified 38 (3)	Suicide Suffocation 213 (3)
5					Homicide Cut/Pierce 15 (2)	Undetermined Not Specified 25 (2)	Unintentional MV Traffic 20 (2)	Unintentional Fall 23 (2)	Unintentional MV Traffic 34 (3)	Suicide Suffocation 30 (2)	Undetermined Not Specified 201 (2)
6					Suicide Fall 15 (2)	Suicide Fall 24 (2)	Suicide Fall 19 (2)	Suicide Poisoning 22 (2)	Suicide Fall 25 (2)	Unintentional Fire/Flame 27 (2)	Homicide Firearm 157 (2)
7					Undetermined Not Specified 9 (1)	Homicide Cut/Pierce 17 (1)	Unintentional Fall 16 (1)	Suicide Fall 17 (2)	Suicide Poisoning 20 (2)	Unintentional Suffocation 22 (2)	Suicide Fall 118 (1)
8					Unintentional Fall 7 (1)	Unintentional Fall 14 (1)	Homicide Cut/Pierce 12 (1)	Homicide Firearm 14 (1)	Suicide Firearm 12 (1)	Suicide Fall 17 (1)	Suicide Poisoning 89 (1)
9					Suicide Other Spec 6 (1)	Suicide Poisoning 14 (1)	Suicide Poisoning 11 (1)	Homicide Cut/Pierce 11 (1)	Unintentional Fire/Flame 11 (1)	Unintentional Not Specified 17 (1)	Homicide Cut/Pierce 65 (1)
10					Suicide Drowning 6 (1)	Suicide Firearm 9 (1)	Suicide Firearm 6 (1)	Homicide Not Specified 9 (1)	Unintentional Suffocation 9 (1)	Suicide Poisoning 16 (1)	Unintentional Fire/Flame 61 (1)

Source: NYC DOHMH Bureau of Vital Statistics. Analyzed by: Bureaus of Environmental Surveillance and Policy and Environmental Disease and Injury Prevention, NYC DOHMH. Statistics reported as the average number of deaths per year and the age-specific and total crude rate per 100,000 population according to NYC DOHMH intercensal estimates modified from US Census Bureau interpolated intercensal population estimates, 2000-2020 (updated September 2021) in parentheses. Injury intent and mechanism are classified following the National Center for Health Statistics external cause of injury matrix (based on the International Classification of Diseases 10th Revisions (ICD-10) codes). See definitions on page 2.

*Rate estimate should be interpreted with caution. Estimate's Relative Standard Error (a measure of estimate precision) is greater than 30%, making the estimate potentially unreliable.

Injury Intents and Mechanisms Defined

Injury intent:

Unintentional: Injury that occurred without intent to cause harm, also known as "accident" (ICD–10 codes:V01–X59, Y85–Y86)

Homicide: Injury inflicted by another person, with the intent to cause harm (ICD–10 codes of U01–U02, X85–Y09, Y87.1).

Suicide: Intentional injury resulting from self-harm (ICD–10 codes of U03, X60–X84, Y87.0).

Undetermined: Injury for which the intent cannot be determined (ICD–10 codes of Y10–Y34, Y87.2, Y89.9).

Injury mechanism:

Cut/pierce: Injury resulting from an incision, slash, penetration, or puncture or sharp instrument, weapon, or object.

Drowning: Injury resulting from submersion in water or other liquid.

Fall: Injury received when someone descends abruptly as a result of the force of gravity and strikes a surface at the same or lower level.

Fire/Burn: Injury resulting from severe exposure to flames, heat or smoke inhalation.

Firearm: Injury resulting from penetrating force from a bullet or other projectile shot from a powder-charged gun.

Motor vehicle traffic (MVT): Injury from a motor vehicle collision including injuries to a motor vehicle occupant, pedestrian, or pedal cyclist.

Natural/environmental: Injury resulting from exposure to adverse natural and environmental conditions (e.g., severe heat, severe cold, lightning, tornadoes, and natural disasters), as well as lack of food or water.

Not elsewhere classified (NEC): Injury not classifiable in another category.

Not specified: Injury missing either the manner (e.g., intentional, unintentional) or mechanism (e.g., Motor vehicle, firearm) of the Injury.

Other specified: Injury associated with any other specified cause that does not fit another category.

Poisoning: Injury resulting from ingestion, inhalation, absorption through the skin, or injection of so much of a drug, toxin, or other chemical that a harmful effect results (e.g., drug overdoses). This category does not include harmful effects from normal therapeutic drugs (i.e., unexpected adverse effects to a drug administered correctly to treat a condition) or bacterial illnesses.

Suffocation: Inhalation, aspiration, or ingestion of food or other object that blocks the airway or causes suffocation; intentional or accidental mechanical suffocation caused by hanging, strangulation, lack of air in a closed place, plastic bag or falling earth. This category does not include injury resulting from a foreign body that does not block the airway.

[ICD-10 External Cause of Injury Coding Matrix: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/injury/sascodes/icd10_external.xls](ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/injury/sascodes/icd10_external.xls)