

10 Leading Causes of Injury Hospitalizations, Age-Specific Rate per 100,000, New York City, 2018-2019



Unintentional Fall
Unintentional Motor Vehicle Traffic (MVT)
Unintentional Poisoning
Assault
Self-Harm
Tie Rank

| Rank | Age Groups | | | | | | | | | | All Ages |
|------|---|---|--|--|---------------------------------------|---------------------------------------|---|---|---|---|--|
| | <1 | 1-4 | 5-9 | 10-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ | |
| 1 | Unintentional Fall 204 | Unintentional Fall 83 | Unintentional Fall 73 | Unintentional Fall 57 | Self-Harm Poisoning, Drug 57 | Unintentional Fall 74 | Unintentional Fall 122 | Unintentional Fall 208 | Unintentional Fall 390 | Unintentional Fall 1547 | Unintentional Fall 357 |
| 2 | Unintentional Unspecified 100 | Unintentional Hot Object/ Substance 39 | Unintentional Unspecified 18 | Unintentional Unspecified 24 | Unintentional Fall 55 | Unintentional Poisoning, Drug 44 | Unintentional Unspecified 67 | Unintentional Poisoning, Drug 98 | Unintentional Unspecified 147 | Unintentional Unspecified 242 | Unintentional Unspecified 92 |
| 3 | Unintentional Hot Object/ Substance 60 | Unintentional Unspecified 27 | Unintentional Bites and Stings, Nonvenomous 9 | Self-Harm Poisoning, Drug 19 | Unintentional Poisoning, Drug 40 | Unintentional Unspecified 42 | Unintentional Poisoning, Drug 64 | Unintentional Unspecified 95 | Unintentional Poisoning, Drug 143 | Unintentional Poisoning, Drug 98 | Unintentional Poisoning, Drug 67 |
| 4 | Assault Other Specified, Child Abuse 29 | Unintentional Poisoning, Drug 22 | Unintentional Struck By/Against 9 | Unintentional MVT-Pedestrian 16 | Unintentional Unspecified 39 | Assault Struck By/Against 31 | Assault Struck By/Against 33 | Self-Harm Poisoning, Drug 27 | Unintentional MVT-Pedestrian 23 | Unintentional Struck By/Against 37 | Self-Harm Poisoning, Drug 23 |
| 5 | Unintentional Poisoning, Drug 17 | Unintentional Bites and Stings, Nonvenomous 20 | Unintentional MVT-Pedestrian 7 | Unintentional Struck By/Against 12 | Assault Struck By/Against 29 | Self-Harm Poisoning, Drug 27 | Self-Harm Poisoning, Drug 24 | Assault Struck By/Against 25 | Self-Harm Poisoning, Drug 21 | Unintentional MVT-Pedestrian 28 | Assault Struck By/Against 21 |
| 6 | Unintentional Other Specified, Foreign Body 14 | Unintentional Other Specified, Foreign Body 17 | Unintentional Hot Object/ Substance 7 | Unintentional Poisoning, Drug 8 | Assault Cut/Pierce 24 | Assault Cut/Pierce 15 | Unintentional MVT-Occupant 14 | Unintentional MVT-Pedestrian 15 | Assault Struck By/Against 21 | Unintentional Suffocation 23 | Unintentional Struck By/Against 17 |
| 7 | Unintentional Struck By/Against 13 | Unintentional Poisoning, Non-Drug 9 | Unintentional Other Specified, Foreign Body 7 | Unintentional Bites and Stings, Nonvenomous 7 | Unintentional MVT-Occupant 18 | Unintentional MVT-Occupant 15 | Unintentional Struck By/Against 12 | Unintentional MVT-Occupant 15 | Unintentional MVT-Occupant 18 | Unintentional MVT-Occupant 22 | Unintentional MVT-Pedestrian 15 |
| 8 | Unintentional Suffocation 13 | Unintentional Struck By/Against 9 | Unintentional Poisoning, Drug 4 | Assault Struck By/Against 6 | Unintentional Struck By/Against 15 | Unintentional MVT- Motorcyclist 11 | Assault Cut/Pierce 12 | Unintentional Struck By/Against 14 | Unintentional Struck By/Against 18 | Unintentional Other Specified, Foreign Body 20 | Unintentional MVT-Occupant 15 |
| 9 | Unintentional Bites and Stings, Nonvenomous 8 | Unintentional Suffocation 7 | Unintentional MVT- Pedal Cyclist, Other 4 | Unintentional MVT-Occupant 6 | Assault Firearm 11 | Unintentional Struck By/Against 11 | Unintentional MVT-Pedestrian 12 | Unintentional Poisoning, Non-Drug 13 | Unintentional Poisoning, Non-Drug 16 | Unintentional Hot Object/ Substance 12 | Unintentional Hot Object/ Substance 10 |
| 10 | Unintentional Poisoning, Non-Drug 7 | Unintentional MVT-Pedestrian 5 | Unintentional Cut/Pierce 3 | Unintentional Pedal Cyclist, Other 4 | Unintentional MVT-Pedestrian 11 | Unintentional MVT-Pedestrian 10 | Unintentional Poisoning, Non-Drug 10 | Unintentional Hot Object/ Substance 10 | Unintentional Other Specified, Foreign Body 11 | Self-Harm Poisoning, Drug 12 | Unintentional Other Specified, Foreign Body 9 |

Source: New York Statewide Planning and Research Cooperative System (SPARCS) (updated April 2023) inpatient hospitalization live discharges. Analyzed by: Bureaus of Environmental Surveillance and Policy and Environmental Disease and Injury Prevention, NYC DOHMH. Statistics reported as 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, 2000-2019 (updated September 2020). 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 below.

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Shaded cells capture areas of focus in the Health Department's Injury and Violence Prevention Program

INJURY INTENT

Assault: Injury from an act of violence where physical force by one or more persons is used with the intent of causing harm, injury, or death to another person; or an intentional poisoning by another person. This category includes perpetrators as well as intended and unintended victims of violent acts (e.g., innocent bystanders). This category excludes unintentional shooting victims (other than those occurring during an act of violence), unintentional drug overdoses, and children or teenagers “horsing” around.

Self-harm: Injury or poisoning resulting from a deliberate violent act inflicted on oneself with the intent to take one’s own life or with the intent to harm oneself. This category includes suicide, suicide attempt, and other intentional self-harm.

Unintentional: Injury or poisoning that is not inflicted by deliberate means (i.e., not on purpose). This category includes those injuries and poisonings described as unintended or “accidental”, regardless of whether the injury was inflicted by oneself or by another person. Also, includes injury or poisoning where no indication of intent to harm was documented in the record.

INJURY MECHANISM

Bites and Stings, Nonvenomous: Exposure to animate mechanical forces

Cut/pierce: Injury resulting from an incision, slash, perforation, or puncture by a pointed or sharp instrument, weapon, or object. This category does not include injury from being struck by or against a blunt object (such as the side of a nightstand) or bite wounds; these injuries fall in the category “struck by/against.”

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

Firearm: A penetrating force injury resulting from a bullet or other projectile shot from a powder-charged gun. This category includes gunshot wounds from powder-charged handguns, shotguns, and rifles. This category does not include injury caused by a compressed air-powered paint gun or a nail gun, which falls in the “other specified” category.

Hot Object/Substance: Exposure to heat, hot substances, or chemicals

Motor vehicle traffic (MVT) - Motorcyclist: Injury to a motorcyclist caused by a collision, rollover, crash, or some other event involving another vehicle, an object, a pedestrian, or a driver or passenger of a motor vehicle.

Motor vehicle traffic (MVT) - Occupant: Injury to a driver or passenger of a motor vehicle caused by a collision, rollover, crash, or some other event involving another vehicle, an object, or a pedestrian. This category includes occupants of cars, pickup trucks, vans, heavy transport vehicles, buses, and SUVs.

Motor vehicle traffic (MVT) - Pedestrian: Injury to a pedestrian caused by a collision, rollover, crash, or some other event involving another vehicle, an object, or a driver or passenger of a motor vehicle.

Motor vehicle traffic (MVT) - Pedal Cyclist, Other: Injury to a cyclist caused by a collision, rollover, crash, or some other event involving another vehicle, an object, a pedestrian, or a driver or passenger of a motor vehicle.

Other specified causes: Injury associated with any other specified cause that does not fit another category. Some examples include causes such as child/adult abuse, electric current, electrocution, explosive blast, fireworks, overexposure to radiation, welding flash burn, or animal scratch.

Overexertion: Working the body or a body part too hard, causing damage to muscle, tendon, ligament, cartilage, joint, or peripheral nerve (e.g., common cause of strains, sprains, and twisted ankles). This category includes overexertion from lifting, pushing, or pulling or from excessive force.

Poisoning: Ingestion, inhalation, absorption through the skin, or injection of so much of a drug, toxin (biologic or non-biologic), or other chemical that a harmful effect results, such as 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.

Struck by/against: Injury resulting from being struck by (hit) or crushed by a human, animal, or inanimate object or force other than a vehicle or machinery; injury caused by striking (hitting) against a human, animal, or inanimate object or force other than a vehicle or machinery.

Suffocation: Injury resulting from the restriction of air and airway due to a foreign body entering through natural orifice, mechanical force, or other means

Unspecified: Injury associated with an unspecified cause that does not fit another category

[National Health Statistics Reports, Number 136, December 30, 2019 \(cdc.gov\)](https://ftp.cdc.gov/pub/Health_Statistics/NCHS/injury/sascodes/icd10_external.xls)
https://ftp.cdc.gov/pub/Health_Statistics/NCHS/injury/sascodes/icd10_external.xls
<https://icd10cmtool.cdc.gov/>