

# 10 Leading Causes of Injury Emergency Department (ED) Visits, Age-Specific Rate per 100,000, New York City, 2018-2019



Unintentional Fall
  Unintentional Motor Vehicle Traffic
  Assault

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 3,131	Unintentional Fall 3,995	Unintentional Fall 2,499	Unintentional Fall 2,132	Unintentional Fall 1,443	Unintentional Fall 1,160	Unintentional Fall 1,340	Unintentional Fall 1,698	Unintentional Fall 2,203	Unintentional Fall 3,134	Unintentional Fall 2,006
2	Unintentional Unspecified 813	Unintentional Struck By/Against 1,324	Unintentional Struck By/Against 1,254	Unintentional Struck By/Against 1,463	Unintentional Unspecified 1,185	Unintentional Unspecified 894	Unintentional Unspecified 904	Unintentional Unspecified 900	Unintentional Unspecified 826	Unintentional Unspecified 640	Unintentional Unspecified 885
3	Unintentional Struck By/Against 413	Unintentional Unspecified 1,081	Unintentional Unspecified 761	Unintentional Unspecified 922	Unintentional Struck By/Against 1,119	Unintentional Struck By/Against 700	Unintentional Struck By/Against 631	Unintentional Struck By/Against 586	Unintentional Struck By/Against 508	Unintentional Struck By/Against 329	Unintentional Struck By/Against 746
4	Unintentional Other Specified, Foreign Body 286	Unintentional Other Specified, Foreign Body 642	Unintentional Bites and Stings, Nonvenomous 341	Unintentional Overexertion 670	Assault Struck By/Against 717	Unintentional MVT-Occupant 685	Unintentional MVT-Occupant 594	Unintentional MVT-Occupant 517	Unintentional MVT-Occupant 389	Unintentional MVT-Occupant 189	Unintentional MVT-Occupant 453
5	Unintentional MVT-Occupant 233	Unintentional Bites and Stings, Nonvenomous 639	Unintentional Other Specified, Foreign Body 293	Assault Struck By/Against 308	Unintentional Overexertion 679	Assault Struck By/Against 579	Unintentional Overexertion 508	Unintentional Overexertion 479	Unintentional Overexertion 356	Unintentional Overexertion 163	Unintentional Overexertion 423
6	Unintentional Hot Object/ Substance 216	Unintentional Other Specified, Classifiable 273	Unintentional Cut/Pierce 240	Unintentional Cut/Pierce 266	Unintentional MVT-Occupant 631	Unintentional Cut/Pierce 545	Assault Struck By/Against 488	Unintentional Cut/Pierce 376	Unintentional Cut/Pierce 290	Unintentional Cut/Pierce 143	Unintentional Cut/Pierce 378
7	Unintentional Bites and Stings, Nonvenomous 136	Unintentional Cut/Pierce 255	Unintentional MVT-Occupant 226	Unintentional MVT-Occupant 218	Unintentional Cut/Pierce 622	Unintentional Overexertion 492	Unintentional Cut/Pierce 469	Assault Struck By/Against 373	Assault Struck By/Against 262	Unintentional Bites and Stings, Nonvenomous 78	Assault Struck By/Against 363
8	Unintentional Cut/Pierce 103	Unintentional Hot Object/ Substance 247	Unintentional Overexertion 211	Unintentional Bites and Stings, Nonvenomous 196	Unintentional Bites and Stings, Nonvenomous 195	Unintentional Bites and Stings, Nonvenomous 148	Unintentional Bites and Stings, Nonvenomous 136	Unintentional Bites and Stings, Nonvenomous 139	Unintentional Bites and Stings, Nonvenomous 124	Assault Struck By/Against 72	Unintentional Bites and Stings, Nonvenomous 175
9	Unintentional Other Specified, Classifiable 78	Unintentional Overexertion 244	Unintentional Other Specified, Classifiable 189	Unintentional Other Specified, Classifiable 181	Unintentional Other Specified, Classifiable 166	Unintentional Other Specified, Classifiable 127	Unintentional Other Specified, Classifiable 115	Unintentional Other Specified, Classifiable 100	Unintentional MVT-Pedestrian 90	Unintentional MVT-Pedestrian 57	Unintentional Other Specified, Foreign Body 134
10	Unintentional Overexertion 68	Unintentional MVT-Occupant 203	Assault Struck By/Against 77	Unintentional MVT-Pedestrian 114	Unintentional MVT-Pedestrian 136	Unintentional Other Specified, Foreign Body 103	Unintentional Other Specified, Foreign Body 104	Unintentional Other Specified, Foreign Body 96	Unintentional Other Specified, Classifiable 82	Unintentional Other Specified, Foreign Body 50	Unintentional Other Specified, Classifiable 121

Source: New York Statewide Planning and Research Cooperative System (SPARCS) (updated April 2023) ED 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.

**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.

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

**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.

**Other specified causes:** Injury associated with any other specified cause that does not fit another category. Some examples include causes such as 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.

**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://ftp.cdc.gov/pub/Health_Statistics/NCHS/injury/sascodes/icd10_external.xls)  
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