INJURIES are a leading cause of hospitalization among Massachusetts residents of all ages. In Federal Fiscal Year 2023 (Oct. 1, 2022 - Sep. 30, 2023), there were **46,523** injury-related hospital stays.¹ The leading injury mechanisms contributing to hospital stays were unintentional falls, poisoning/overdoses and motor vehicle traffic-related crashes.

Key Indicators	INJURY INTENT							
	Unintentional	Self-Inflicted	Assault	Undeter- mined	Legal/Other ²	Missing ³	Totals	
Total Counts by Intent	40,749	2,649	1,037	198	11	1,879		46,523
Percent by Intent	87.6%	5.7%	2.2%	0.4%	0.0%	4.0%		100.0%
Rate per 100,000 population ⁴	579.7	37.7	14.8	2.8	0.2	26.7		661.8
Injury Mechanism	INJURY INTENT					Subtotal	Percent of	Rate per
	Unintentional	Self-Inflicted	Assault	Undeter- mined	Legal/Other ²	Counts	Total Count ⁵	100,000 MA Residents ⁴
Cut/pierce	277	312		<11	0	784	1.7%	11.2
Drowning/submersion	15	<11	0	<11		27	0.1%	
Fall	26,500	34	<11	<11		26,543	57.1%	
Fire/burn	375	43	<11	<11	0	425	0.9%	
Fire/flame	153	<11	<11	<11		163	0.4%	
Burns/hot objects & substances	222		<11	<11		262	0.6%	
Firearm	157	<11	116	<11	<11	288	0.6%	
Machinery	118					118	0.3%	1.7
Natural/environmental ⁶	497	0	0	0		497	1.1%	
Nonvenomous animal bites/stings	257					257	0.6%	
Venomous animal bites/stings	32	0	0	0		32	0.1%	
Forces of nature	151					151	0.3%	
Natural/environmental, other	57	0	0	0		57	0.1%	
Overexertion	415					415	0.9%	5.9
Poisoning/overdose ⁺	3,421	2,027	<11	149-159	0	5,610		79.8
Drug poisoning	3,195	1,980	<11			5,334	11.5%	75.9
Non-drug poisoning	226	47	<11	<11	0	276		3.9
Struck by or against object	1,036	<11	496	<11	<11	1,541	3.3%	21.9
Suffocation ⁷	42	13	0	0	0	55	0.1%	0.8
Transportation:	4,545	14	<11	<11	0	4,563	9.8%	64.9
Motor vehicle Traffic (MVT)	3,606	<11	<11	<11		3,620	7.8%	51.5
MVT - Occupant ⁸	2,248	<11	0	<11		2,259	4.9%	32.1
MVT - Motorcyclist	622					622	1.3%	8.8
MVT - Pedal cyclist	242					242	0.5%	3.4
MVT - Pedestrian [‡]	494	<11	<11			495-505		
MVT - Other person-type	0	<11				<11		
Motor vehicle Nontraffic ⁹	335					335	0.7%	4.8
Pedal cyclist, other ¹⁰	334					334		
Pedestrian, other ¹⁰	103					103		
Other land transport	103	<11	<11			103	0.3%	
Other transport	43	0	0		0	43		
Other specified & classifiable	509	<11	115	<11	<11	629	1.4%	
Child and adult abuse	203		79		.	79		
Foreign body	313					313	0.7%	
Other specified & classifiable	196	<11	36	<11	<11	237	0.5%	
Other specified, not classifiable	150	155	43	<11	<11	207		
Unspecified	2,842		64		<11	2,942		

Data Sources: Massachusetts Inpatient Hospital Discharge and Outpatient Observation Stay Databases, Center for Health Information and Analysis (CHIA). Data are collected and reported by federal fiscal year (October 1, 2022 - September 30, 2023). "Hospital Stays" combine hospital discharges and observation stays. Due to the implementation of the International Classification of Diseases, Version 10, Clinical Modification (ICD-10-CM) in October 2015, counts and rates presented here should not be compared to prior data that were based on ICD-9-CM codes. Refer to page 2 for general notes, references, and footnotes.

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General Notes:

•The injury case definition is based on the Council of State and Territorial Epidemiologists (CSTE) document: *Nonfatal Hospitalizations for All Injuries* and includes selected ICD-10-CM codes from diagnosis and external cause code (E-Code) fields. Only visits for active treatment of injuries are included.

•Injury mechanism and intent categories are based on the Center for Disease Control and Prevention's (CDC) *External Cause-of-injury Framework for Categorizing Mechanism and Intent of Injury* and are categorized based on the first external cause code or diagnosis code providing injury mechanism and intent. The search order for our analysis is principal E-code field, primary diagnosis field, then associated diagnosis fields. This search order may underestimate the number of injuries in some categories as some patients are assigned more than one ICD-10-CM injury code. •Gray cells indicate that there are no ICD-10-CM codes assigned to the category.

All injury subcategories are shown in italics. For example, poisoning includes two subcategories – drug poisoning and non-drug poisoning.
Data are obtained from the Center for Health Information and Analysis (CHIA). Per CHIA confidentiality guidelines, counts 1-10 are suppressed and are noted as <11. Complementary cells that allow calculation of totals are also suppressed and indicated with two dashes ("--"). While a count of zero is permitted, these are sometimes suppressed (indicated with two dashes: "--") to adhere to confidentiality rules.

‡ For certain categories, providing an exact count would allow calculation of other suppressed cells. A range is provided to show the approximate size for this category, but without allowing the calculation of suppressed cells.

References:

Council of State and Territorial Epidemiologists (CSTE). Nonfatal Hospitalizations for All Injuries. Refer to the CSTE's on-line ICD-10-CM Injury Surveillance Toolkit.

National Health Statistics Report. The International Classification of Diseases, 10th Revision, Clinical Modification (ICD–10–CM): External Cause-ofinjury Framework for Categorizing Mechanism and Intent of Injury; #136, 12/30/2019.

Footnotes:

1) Includes MA residents treated at a MA acute care hospital in FFY2023 (October 1, 2022 - September 30, 2023); deaths occurring during the hospital stay are excluded. Counts represent the number of injury-related hospital stays rather than the number of individuals treated. 2) Includes injuries resulting from police actions and war.

3) Includes injuries with no external cause code.

4) Rates provided are crude rather than age-adjusted and may differ slightly from other department publications. Rates are not calculated on counts of less than 11, and rates based on counts less than twenty may be unstable. Data used to calculate rates are based on small area population estimates from the Donahue Institute, MDPH, Bureau of Environmental Health; 2020 MA population 7,029,917 was used as a proxy, as 2023 estimates were unavailable.

5) Totals may not sum to 100% due to rounding.

6) Natural/Environmental (N/E) injuries includes bites and stings from nonvenomous and venomous animals and insects. Forces of nature includes blizzard, extreme cold, hurricane, tornado, etc. Other N/E includes animal injuries other than bites (e.g., scratched by cat) and other external causes such as effects of vibration, effects of lightning, motion sickness, etc.

7) Includes asphyxiation and hanging.

8) Includes motor vehicle drivers, passengers, and unspecified persons.

9) Includes motor vehicle and motorcycle drivers, passengers, and unspecified persons injured in a crash that does not occur on a public roadway (e.g. driveway, parking lot, private road, etc.).

10) Includes other non-motor vehicle related injuries (e.g., pedal cyclist collision with other pedal cyclist, pedestrian in collision with non-motor vehicle, pedal cyclist/pedestrian in collision with fixed object).