Injuries are a leading cause of hospitalization among Massachusetts children. In federal fiscal year (FFY) 2021, there were 3,273 injury-related hospital stays, nearly 273 per month.¹ The leading injury mechanisms contributing to hospital stays were unintentional falls, poisoning/overdoses, and motor vehicle traffic-related crashes. Total injuries increased 25% and self-inflicted injuries increased 88% from FFY 2020 to FFY 2021.

Key Indicators	INJURY INTENT							
	Uninten- tional	Self-Inflicted	Assault	Undeter- mined	Legal/ Other ²	Missing ³	Totals	
Total Counts by Intent	2,278	673	103	29	0	190		3,273
Percent by Intent	69.6%	20.6%	3.1%	0.9%	0.0%	5.8%		100.0%
Rate per 100,000 population ⁴	178.1	52.6	8.1	2.3	0.0	14.9		255.9
Injury Mechanism	INJURY INTENT						Percent of	rcent of
	Uninten- tional	Self-Inflicted	Assault	Undeter- mined	Legal/ Other ²	Subtotal Counts	Total Count⁵	Rate per 100,000 ⁴
Cut/pierce	45	67	<11	<11	0	124	3.8%	9.7
Drowning/Submersion	14	<11	0	<11		25		2.0
Fall	816	<11	0	<11		820	25.1%	64.1
Fire/burn	65	<11	0	<11	0	72	2.2%	5.6
Fire/flame	<11	0	0	0	0	<11		
Burns/hot objects & substances		<11	0	<11				
Firearm	<11	0	16	<11	0	27	0.8%	2.1
Machinery	<11					<11		
Natural/Environmental ⁶	55	0	0	0		55		
Bites and stings, nonvenomous	41					41	1.3%	3.2
Bites and stings, venomous	<11	0	0	0		<11		
Natural/environmental, other Overexertion	<11 20	0	0	0		<11 20		
	318	546	<11		0	_		1.6
Poisoning Drug poisoning	280	530-540	<11	 <11	0	875	25.3%	68.4 64.7
Non-drug poisoning	38	530-540 <11	0	<11	0			3.8
Struck by or against object	166	<11	20	<11	0	40	5.7%	14.6
Suffocation ⁷	14	<11	0	<11	0			14.0
Transport Injuries: [‡]	344-354	<11	0	0	0	344-354		
Motor vehicle traffic-related [‡]	216-226	<11	0	0		216-226		
MVT - Occupant ^{8,‡}	107-117	<11	0	0		107-117		
MVT - Motorcyclist	25					25	0.8%	2.0
MVT - Pedal cyclist	32					32	1.0%	2.5
MVT - Pedestrian	52		0			52	1.6%	4.1
MVT - Other person-type	0	0				0	0.0%	0.0
MVT - Undetermined intent				0		0	0.0%	0.0
Motor vehicle Nontraffic ⁹	46					46	1.4%	3.6
Pedal cyclist, other	47					47	1.4%	3.7
Pedestrian, other	<11					<11		
Other land transport	22	0	0			22		1.7
Other transport	<11	0	0		0			
Other-specified & classifiable	81	<11	52	<11	0	136	4.2%	10.6
Child and adult abuse								
Foreign body	62			-	-	62		
Other specified & classifiable Other specified, not classifiable	19	<11	<11	0	0			
	210	26	<11	<11	0			
Unspecified	319		<11	<11	0	333	10.2%	26.0

Data Source: Massachusetts Outpatient Emergency Department Discharge Database, Center for Health Information and Analysis (CHIA). Data are collected and reported by fiscal year (Oct. 1, 2020 - Sept. 30, 2021). 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. *Please note that CHIA revised and re-released the FFY2021 files, and that numbers presented here may differ from later reports. Refer to page 2 for general notes, references, and footnotes.

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(Continued)

General Notes:

•The injury case definition is based on the Council of State and Territorial Epidemiologists (CSTE) document: *Nonfatal Emergency Department Visits 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. Subcategories within transportation are also suppressed, with the exception of unintentional injuries, to ensure patient confidentiality.

All injury subcategories are shown in italics. For example, poisoning includes two subcategories – drug poisoning and non-drug poisoning.
Per data confidentiality guidelines, counts less than 11 (including sometimes 0 if necessary) are suppressed and complementary cells that allow calculation of totals are suppressed (indicated by "--").

⁺ 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 Emergency Department Visits 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-of-injury Framework for Categorizing Mechanism and Intent of Injury; #136, 12/30/2019.

Footnotes:

1) Includes MA residents under the age of 18 treated at a MA acute care hospital emergency department in *FFY2021 (Oct. 1, 2020 - Sept. 30, 2021)*; deaths occurring prior to or during the ED visit are excluded. Counts represent the number of injury-related emergency department visits 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) Crude rates per 100,000 MA residents are based on 2020 population estimates for under 18 years (1,279,086)

developed by the University of Massachusetts Donahue Institute (UMDI) in partnership with the Massachusetts Department of Public Health, Bureau of Environmental Health.

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

6) Natural/Environmental (N/E) injuries includes bites and stings from animals and insects. The other N/E category includes injuries from forces of nature (e.g., flood, storm, cold weather), animal injuries other than bites, etc.

7) Includes asphyxiation and hanging.

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

9) Includes motor vehicle 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.).