Injuries are a leading cause of hospitalization among Massachusetts children. In fiscal year 2020, there were 2,627 injury-related hospital stays, nearly 219 per month.¹ This represented a decrease in the number of hospitalizations compared to FY2019. The decrease started during the Covid-19 pandemic, beginning in April 2020. The leading injury mechanisms contributing to hospital stays were unintentional falls, poisoning/overdoses and motor vehicle traffic-related crashes.

Key Indicators	INJURY INTENT							
	Uninten- tional	Self-Inflicted	Assault	Undeter- mined	Legal/Other ²	Missing ³	Totals	
Total Counts by Intent	2,028	358	83	20	0	138		2,627
Percent by Intent	77.2%	13.6%	3.2%	0.8%	0.0%	5.3%		100.0%
Rate per 100,000 population ⁴	158.6	28.0	6.5	1.6	0.0	10.8		205.4
	150:0	20.0	0.5	1.0	0.0	10.0		205.4
Injury Mechanism	INJURY INTENT						Percent of	Rate per
	Uninten- tional	Self-Inflicted	Assault	Undeter- mined	Legal/Other ²	Subtotal Counts	Total Count⁵	100,000 ⁴
Cut/pierce	22	22		<11	0	62	2.4%	4.8
Drowning/Submersion		0	0	<11		18	0.7%	1.4
Fall	753	<11	0	<11		756	28.8%	59.1
Fire/burn	74	<11	0	<11	0	78	3.0%	6.1
Fire/flame	11	0	0	0	0	11	0.4%	0.9
Burns/hot objects & substances	63	<11	0	<11		67	2.6%	5.2
Firearm	<11	0	<11	<11	0	19	0.7%	1.5
Machinery	<11					<11		
Natural/Environmental ⁶	42	0	0	0		42	1.6%	3.3
Bites and stings, nonvenomous	30					30	1.1%	2.3
Bites and stings, venomous	<11	0	0	0		<11		
Natural/environmental, other	<11	0	0	0		<11		
Overexertion	32		-	-		32	1.2%	2.5
Poisoning [‡]	274	292-312	<11	<11	0	581	22.1%	45.4
Drug poisoning	238	292	<11	<11		540	20.6%	42.2
Non-drug poisoning	36	<11	<11	0	0	41	1.6%	3.2
Struck by or against object	113	<11		0	0	139	5.3%	10.9
Suffocation ⁷	<11	<11	<11	0	0	<11		
Transport Injuries: [‡]	338-358	<11	0	<11	0	338-358		
Motor vehicle traffic-related	205	<11	0	<11		211	0.4%	16.5
MVT - Occupant ^{8,‡}	96-116	<11	0	<11		96-116		
MVT - Motorcyclist	28		Ű			28	1.1%	2.2
MVT - Pedal cyclist	33					33	1.1%	2.6
MVT - Pedestrian	41		0			41	1.6%	3.2
MVT - Other person-type	<11	<11	Ű			<11		
MVT - Undetermined intent				<11		<11		
Motor vehicle Nontraffic ⁹	31					31	1.2%	2.4
Pedal cyclist, other	62					62	2.4%	4.8
Pedestrian, other							2.7/0	
Other land transport	26	0	0			26	1.0%	2.0
Other transport	<11	0	0		0	<11		
Other-specified & classifiable [†]	86-106	0	28	<11	0	108-128		
Child and adult abuse	00 100	0	20	.11	0	100 120		
Foreign body	76					76	2.9%	5.9
Other specified & classifiable	/0	0	<11	<11	0	22	0.8%	1.7
Other specified, not classifiable		21	<11	<11	0		1.0%	2.0
Unspecified	248	<11	<11	0			9.7%	19.9

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. 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-ofinjury 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 *FY2020 (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 child population (under 18 years) estimates (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.).