

Injury-related Emerg. Dept. Visits

2003*

MASSACHUSETTS CHILDREN, AGES 1-14 YEARS

- ◆ There were 140,119 injury-related emergency department visits among Massachusetts children ages 1-14 in 2003, a rate of 12,143.1 for every 100,000 children ages 1-14 years old.

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Crude Rate per 100,000 ²
	Unintentional	Intentional		Undetermined	Other & Legal ¹			
		Self-inflicted	Assault					
Cut/pierce	10,037	199	39	9	0	10,284	7.3	891.2
Drowning/submersion	56	0	0	0		56	0.0	4.9
Fall	45,700	2	3	13		45,718	32.6	3,962.0
Fire/flare & hot substance burn	1,993	3	0	5		2,001	1.4	173.4
Firearms	1	0	1	0	5	7	0.0	0.6
Machinery	100					100	0.1	8.7
Natural/environmental	6,485	0		2		6,487	4.6	562.2
<i>Dog bites</i>	1,932	0		0		1,932	1.4	167.4
<i>Other bites & stings</i>	4,100	0		0		4,100	2.9	355.3
<i>All other (e.g. extreme cold)</i>	453	0		2		455	0.3	39.4
Overexertion	11,003					11,003	0.0	953.5
Poisoning	1,539	207	0	135	0	1,881	1.3	163.0
Struck by, against	30,813	0	1,023	0	5	31,841	22.7	2,759.4
Suffocation/hanging	197	3	3	1		204	0.1	17.7
Transport Injuries:	11,979	0	0	0	0	11,979	8.5	1,038.1
<i>Motor vehicle traffic-related</i>	6,638					6,638	4.7	575.3
<i>Occupant</i>	5,330					5,330	3.8	461.9
<i>Motorcyclist</i>	99					99	0.1	8.6
<i>Pedal cyclist</i>	301					301	0.2	26.1
<i>Pedestrian</i>	697					697	0.5	60.4
<i>Other person</i>	45					45	0.0	3.9
<i>Unspecified person</i>	166					166	0.1	14.4
<i>Pedal cyclist, other</i>	4,153					4,153	3.0	359.9
<i>Pedestrian, other</i>	118					118	0.1	10.2
<i>Other transport</i>	964					964	0.7	83.5
Other specified & classifiable	8,659	0	220	6	1	8,886	6.3	770.1
Other specified, not classifiable	1,203	39	205	26	0	1,473	1.1	127.7
Unspecified	6,812	26	96	42	3	6,979	5.0	604.8
Adverse Effects ³						95	0.1	8.2
No cause or intent provided						1,231	0.9	106.7
TOTALS	136,471	479	1,590	239	14	140,119	100%	12,143.1
Injury ED Visit Rate by Intent	11,826.9	41.5	137.8	20.7	1.2	n/a	n/a	n/a

Source: MA Emergency Department Discharge Database, MA Division of Health Care, Finance and Policy.

¹ Legal Intervention includes injuries resulting from police actions and operations of war.

² Rates are not calculated on counts of less than five. Rates that are based on counts less than twenty may be unstable.

³ Adverse Effects can be related to medical and surgical care procedures, or to the use of therapeutic substances (including allergic reactions).

*Analysis is based on a fiscal year (Oct 1, 2002 - Sep 30, 2003).

—An emergency department injury discharge is defined as any case having an ICD9-CM Nature of Injury Code of 800-999 assigned to any of the ICD9 diagnosis fields [cases having the following codes are excluded if no other valid ICD9-CM code is assigned: Certain Adverse Effects (995.0-995.4, 995.6,995.7, 995.86, 995.89), Complications of Surgical & Medical Care (996-999), and certain Late Effects (909.3,909.5)]

—Categories and groupings are based on a modified version of the CDC's "Recommended framework of E-code groupings for presenting injury mortality and morbidity data." This framework does not provide for intentionality for certain cause categories as indicated by gray shading.

—Injury subcategories are italicized.

—Only Massachusetts residents with valid zip codes (01001-02791, 05501, 05544) are included in this analysis.

—ED injury cases subsequently dying in the hospital are excluded from this analysis.

—Population data used to calculate rates are based on 2003 population estimates generated by the US Census Bureau (www.census.gov/popest/states/asrh/files/SC-EST2003-race6-AL_MO.csv).

—Data were extracted and compiled by the Injury Surveillance Program, Center for Health Information, Statistics, Research and Evaluation, MDPH, July 2005.