

# 2005

## Injury-related Emergency Dept. Visits MA Children, Ages 1-14 Years

There were 128,393 injury-related emergency department (ED) visits among Massachusetts children between the ages of 1-14 years in FY2005; approximately 1 in 9 children in this age group. Falls were the leading cause of injury followed by struck-by or against an object.

INJURY CAUSE	INJURY INTENT					Total Count	Percent of Total Count	Crude Rate per 100,000
	Unintentional	Intentional		Undetermined	Other & Legal			
		Self-inflicted	Assault					
Cut/pierce	8,774	255	35	28	0	9,092	7.1	812.5
Drowning/submersion	31	0	1	0		32	<0.1	2.9
Fall	40,274	3	1	16		40,294	31.4	3,600.7
Fire/flame & hot substance burn	1,581	5	6	6		1,598	1.2	142.8
Firearms	7	0	3	2	1	13	<0.1	1.2
Machinery	95					95	0.1	8.5
Natural/environmental	5,964	0		0		5,964	4.6	533.0
<i>Dog bites</i>	1,737	0		0		1,737	1.4	155.2
<i>Other bites &amp; stings</i>	3,691	0		0		3,691	2.9	329.8
<i>All other (e.g. extreme cold)</i>	536	0		0		536	0.4	47.9
Overexertion	10,229					10,229	8.0	914.1
Poisoning	1,478	194	10	161	0	1,843	1.4	164.7
Struck by, against	29,931	0	807	0	5	30,743	23.9	2,747.3
Suffocation/hanging	167	1	1	1		170	0.1	15.2
Transport Injuries:	9,678	0	0	0	0	9,678	7.5	864.8
<i>Motor vehicle traffic-related</i>	5,048					5,048	3.9	451.1
<i>Occupant</i>	4,003					4,003	3.1	357.7
<i>Motorcyclist</i>	70					70	0.1	6.3
<i>Pedal cyclist</i>	297					297	0.2	26.5
<i>Pedestrian</i>	515					515	0.4	46.0
<i>Other person</i>	45					45	<0.1	4.0
<i>Unspecified person</i>	118					118	0.1	10.5
<i>Pedal cyclist, other</i>	3,654					3,654	2.8	326.5
<i>Pedestrian, other</i>	105					105	0.1	9.4
<i>Other transport</i>	871					871	0.7	77.8
Other specified & classifiable	8,042	1	241	11	1	8,296	6.5	741.3
Other specified, not classifiable	1,207	37	164	36	0	1,444	1.1	129.0
Unspecified	6,781	16	142	62	3	7,004	5.5	625.9
Adverse Effects						71	0.1	6.3
No cause or intent provided						1,827	1.4	163.3
<b>TOTALS</b>	<b>124,239</b>	<b>512</b>	<b>1,411</b>	<b>323</b>	<b>10</b>	<b>128,393</b>	<b>100%</b>	<b>11,473.4</b>
Injury ED Visit Rate by Intent	11,102.2	45.8	126.1	28.9	0.9	n/a	n/a	n/a

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

—Analysis is based on a fiscal year (Oct 1, 2004 - Sep 30, 2005).

—Rates are per 100,000 residents. Rates are not calculated on counts of less than five, and those based on counts less than twenty may be unstable.

—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" based on ICD-9 codes. This framework does not provide for intentionality for certain cause categories as indicated by gray shading. Injury subcategories are italicized and counts are excluded from the overall totals.

—Due to data quality issues, the external cause of injury codes (E-Codes) for one hospital, have been excluded from analysis. Total injury counts presented in this matrix include injuries captured only in the primary ICD9 field for this hospital.

—Questions regarding the data presented here can be directed to the Injury Surveillance Program, MA Dept. of Public Health (617) 624-5648.

Data prepared by the Injury Surveillance Program, Center for Health Information, Statistics, Research and Evaluation, Massachusetts Department of Public Health.

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