

# Injury-related Emergency Dept. Visits<sup>1</sup>

# 2013

Injury Surveillance Program, Massachusetts Department of Public Health

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## MASSACHUSETTS RESIDENTS<sup>2</sup>

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Crude Rate per 100,000 <sup>4</sup>
	Unintentional	Intentional		Undetermined	Other & Legal <sup>3</sup>			
		Self-inflicted	Assault					
Cut/pierce	57,830	2,800	1,338	64	<11	<62,043	8.9%	927.0
Drowning/submersion	132	<11	<11	<11	<11	142	<0.1%	2.1
Fall	182,858	37	43	80		183,018	26.4%	2,734.5
Fire/burn	8,628	37	37	46		8,748	1.3%	130.7
<i>Fire/flare</i>	1,322	34	10	39		1,405	0.2%	21.0
<i>Hot object/substance</i>	7,306	<11	27	<11		7,343	1.1%	109.7
Firearm	150	<11	202	34	<11	399	0.1%	6.0
Machinery	2,616					2,616	0.4%	39.1
Natural/Environmental	29,228	<11		50		<29,289	4.2%	437.5
<i>Dog bites</i>	6,834	0		0		6,834	1.0%	102.1
<i>Other bites &amp; stings</i>	18,633	0		0		18,633	2.7%	278.4
<i>All other (e.g. extreme cold)</i>	3,761	<11		50		<3,822	0.6%	57.0
Overexertion	68,606					68,606	9.9%	1,025.1
Poisoning/overdose	10,249	3,338	33	4,058	<11	<17,689	2.6%	264.2
Struck by, against	88,551		12,500		467	101,518	14.6%	1,516.8
Suffocation	381	170	59	<11		<621	0.1%	9.2
Transport-related Injuries	82,895	11	25	<11		<82,942	12.0%	1,239.2
<i>Motor vehicle traffic-related</i>	71,990	<11	25	<11		72,029	10.4%	1,076.2
<i>Occupant</i>	60,554					60,554	8.7%	904.8
<i>Motorcyclist</i>	2,272					2,272	0.3%	33.9
<i>Pedal cyclist</i>	1,260					1,260	0.2%	18.8
<i>Pedestrian</i>	3,659					3,659	0.5%	54.7
<i>Other person</i>	487					487	0.1%	7.3
<i>Unspecified</i>	3,758					3,758	0.5%	56.1
<i>Pedal cyclist, other</i>	6,900					6,900	1.0%	103.1
<i>Pedestrian, other</i>	322					322	<0.1%	4.8
<i>Transportation, other</i>	3,683					3,683	0.5%	55.0
Other-specified & classifiable	29,179	24	2,357	13	13	31,586	4.6%	471.9
<i>Human bites</i>	654		1,019			1,673	0.2%	25.0
<i>Non-powder gun (BB, pellet)</i>	204	<11	22	<11	0	238	<0.1%	3.6
<i>Other specified &amp; classifiable</i>	28,321	20	1,316	<11	13	<29,681	4.3%	443.4
Other specified, not classifiable	19,788	655	5,478	276	16	26,213	3.8%	391.7
Unspecified	49,229	117	2,437	3,402	68	55,253	8.0%	825.6
Adverse effects <sup>5</sup>						755	0.1%	11.3
Cause or intent not provided						21,860	3.2%	326.6
<b>TOTALS<sup>6</sup></b>	<b>630,320</b>	<b>7,199</b>	<b>24,511</b>	<b>8,037</b>	<b>589</b>	<b>693,271</b>	<b>100.0%</b>	<b>10,358.4</b>
<b>RATE BY INTENT/per 100,000</b>	<b>9,417.8</b>	<b>107.6</b>	<b>366.2</b>	<b>120.1</b>	<b>8.8</b>			

**Data Source:** Massachusetts Emergency Department (ED) Discharge Database, Center for Health Information and Analysis (CHIA). Data are collected and reported by fiscal year (Oct. 1, 2012 - Sept. 30, 2013). Data do not include patients who died.

- Counts represent the number of injury-related *ED discharges*, rather than the number of individuals treated. This is because individuals may be counted more than once if they have multiple ED visits in the same year for the same or different injuries.  
Injury case definition: ICD-9-CM diagnostic code of 800-909.2, 909.4, 909.9, 910-994.9, 995.50-995.59 or 995.80-995.85 in the primary diagnosis field OR an External cause-of-injury code (E-code) of E800-E869, E880-E929 or E950-E999.1 in any diagnosis field.  
Injury categories are based on the CDC's "Recommended framework of E-code groupings for presenting injury mortality and morbidity data."
- Massachusetts residents treated at a MA acute care hospital during this time period.
- Legal Intervention includes injuries resulting from police actions and operations of war.
- Crude rates per 100,000 MA residents are based on the 2013 postcensal estimate for the MA population of 6,692,824 (U.S. Census Bureau).  
Counts of less than 11 and associated counts are suppressed due to CHIA data confidentiality guidelines.
- Adverse effects can be related to medical and surgical care procedures, or to the use of therapeutic substances (including allergic reactions).
- Totals do not include subcategory (italicized) counts.