

# Injury-related Emergency Dept. Visits

# 2003

## MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Rate per 100,000 <sup>2</sup>
	Unintentional	Intentional		Undetermined	Other & Legal <sup>1</sup>			
		Self-inflicted	Assault					
Cut/pierce	73,097	2,136	1,583	140	3	76,959	10.2	1,196.2
Drowning/submersion	166	4	0	2		172	< .1	2.7
Fall	187,232	25	17	58		187,332	24.9	2,911.9
Fire/burn	12,091	50	42	27		12,210	1.6	189.8
<i>Fire/flame</i>	1,773	46	17	15		1,851	0.2	28.8
<i>Hot object/substance</i>	10,318	4	25	12		10,359	1.4	161.0
Firearm	178	1	126	46	12	363	< .1	5.6
Machinery	4,747					4,747	0.6	73.8
Natural/Environmental	28,458	1		12		28,471	3.8	442.5
<i>Dog bites</i>	6,550					6,550	0.9	101.8
<i>Other bites &amp; stings</i>	19,207					19,207	2.6	298.6
<i>All other (e.g. extreme cold)</i>	2,701	1		12		2,714	0.4	42.2
Overexertion	86,922					86,922	11.6	1,351.1
Poisoning	6,699	3,500	29	2,496	10	12,734	1.7	197.9
Struck by, against	102,630		14,804		363	117,797	15.7	1,831.0
Suffocation	522	46	32	9		609	0.1	9.5
Transport-related Injuries	116,454	13	16	3	0	116,486	15.5	1,810.6
<i>Motor vehicle traffic-related</i>	103,498					103,498	13.8	1,608.8
<i>Occupant</i>	91,199					91,199	12.1	1,417.6
<i>Motorcyclist</i>	2,268					2,268	0.3	35.3
<i>Pedal cyclist</i>	1,052					1,052	0.1	16.4
<i>Pedestrian</i>	3,907					3,907	0.5	60.7
<i>Unspecified person</i>	4,736					4,736	0.6	73.6
<i>Other person</i>	336					336	< .1	5.2
<i>Pedal cyclist, other</i>	7,675					7,675	1.0	119.3
<i>Pedestrian, other</i>	411					411	0.1	6.4
<i>Transportation, other</i>	4,870					4,870	0.6	75.7
Other-specified & classifiable	38,393	9	2,305	31	3	40,741	5.4	633.3
<i>Human bites</i>	604		1,092			1,696	0.2	26.4
<i>Non-powder gun (BB, pellet)</i>	301	6	41	25	0	373	< .1	5.8
<i>Other specified &amp; classifiable</i>	37,488	3	1,172	6	3	38,672	5.1	601.1
Other specified, not classifiable	7,416	368	3,814	192	7	11,797	1.6	183.4
Unspecified	40,192	177	1,877	390	91	42,727	5.7	664.1
Adverse effects <sup>3</sup>						1,378	0.2	21.4
No cause or intent provided						9,742	1.3	151.4
<b>TOTALS</b>	<b>705,197</b>	<b>6,330</b>	<b>24,645</b>	<b>3,406</b>	<b>489</b>	<b>751,187</b>	<b>100%</b>	<b>11,676.3</b>
<b>RATE BY INTENT/per 100,000</b>	<b>10,961.5</b>	<b>98.4</b>	<b>383.1</b>	<b>52.9</b>	<b>7.6</b>			

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

<sup>1</sup> Legal Intervention includes injuries resulting from police actions and operations of war.

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

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

—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.

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

—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](http://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, Revised February 2004.