

Injury-related Emergency Dept. Visits

2004*

MASSACHUSETTS RESIDENTS

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	71,461	2,344	1,574	183	2	75,564	10.5	1,177.7
Drowning/submersion	163	0	3	1		167	< .1	2.6
Fall	174,062	21	32	59		174,174	24.2	2,714.5
Fire/burn	10,399	51	43	23		10,516	1.5	163.9
<i>Fire/flare</i>	1,719	41	16	19		1,795	0.2	28.0
<i>Hot object/substance</i>	8,680	10	27	4		8,721	1.2	135.9
Firearm	162	3	169	62	6	402	0.1	6.3
Machinery	4,672					4,672	0.7	72.8
Natural/Environmental	27,071	1		9		27,081	3.8	422.1
<i>Dog bites</i>	6,307	0		0		6,307	0.9	98.3
<i>Other bites & stings</i>	18,019	0		0		18,019	2.5	280.8
<i>All other (e.g. extreme cold)</i>	2,745	1		9		2,755	0.4	42.9
Overexertion	84,931					84,931	11.8	1,323.6
Poisoning	6,600	3,595	29	2,674	6	12,904	1.8	201.1
Struck by, against	101,313		13,969		408	115,690	16.1	1,803.0
Suffocation	547	60	32	5		644	0.1	10.0
Transport-related Injuries	105,526	8	21	2		105,557	14.7	1,645.1
<i>Motor vehicle traffic-related</i>	92,010	8	21	2		92,041	12.8	1,434.4
<i>Occupant</i>	80,179					80,179	11.2	1,249.6
<i>Motorcyclist</i>	2,584					2,584	0.4	40.3
<i>Pedal cyclist</i>	1,151					1,151	0.2	17.9
<i>Pedestrian</i>	3,709					3,709	0.5	57.8
<i>Unspecified person</i>	4,062					4,062	0.6	63.3
<i>Other person</i>	325					325	< .1	5.1
<i>Pedal cyclist, other</i>	8,270					8,270	1.2	128.9
<i>Pedestrian, other</i>	434					434	0.1	6.8
<i>Transportation, other</i>	4,812					4,812	0.7	75.0
Other-specified & classifiable	36,663	14	2,371	36	7	39,091	5.4	609.2
<i>Human bites</i>	561		1,043			1,604	0.2	25.0
<i>Non-powder gun (BB, pellet)</i>	393	0	54	0	0	447	0.1	7.0
<i>Other specified & classifiable</i>	35,709	14	1,274	36	7	37,040	5.2	577.3
Other specified, not classifiable	7,752	364	3,539	232	8	11,895	1.7	185.4
Unspecified	43,319	172	2,100	116	87	45,794	6.4	713.7
Cause Code is incomplete	8	0	0	0	0	8	< .1	0.1
Adverse effects ³	--	--	--	--	--	2,857	0.4	44.5
Cause and Intent are not provided	--	--	--	--	--	6,387	0.9	99.5
TOTALS⁴	674,649	6,633	23,882	3,402	524	718,334	100%	11,195.1
RATE BY INTENT/per 100,000	10,514.3	103.4	372.2	53.0	8.2			

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

*All data sets from Health Care Finance and Policy are based on a fiscal year. The numbers provided here are based on fiscal year: October 1, 2003 - September 30, 2004 and will be different than numbers generated through the Department's query based system MassCHIP.

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. Rates provided here are not age-adjusted and may differ slightly from other department publications.

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

⁴ Totals do not include subcategory counts. Total percent is presented here as 100% but may be slightly less or more due to rounding.

—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)]

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

—Only Massachusetts residents with valid MA zip codes are included in this analysis.

—Population data used to calculate rates are based on 2004 population estimates released August 11, 2005 by the US Census Bureau. Estimated 2004 Massachusetts population is 6,416,505.

—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.

—Data were extracted and compiled by the Injury Surveillance Program, Center for Health Information, Statistics, Research & Evaluation, MDPH, February 2006.