

Injury-related Emergency Dept. Visits

2006*

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	70,156	2,555	1,696	154	5	74,566	10.5	1,158.4
Drowning/submersion	137	4	0	2		143	0.0	2.2
Fall	174,336	18	36	72		174,462	24.5	2,719.0
Fire/burn	10,013	49	50	38		10,150	1.4	158.2
<i>Fire/flare</i>	1,579	45	13	25		1,662	0.2	25.9
<i>Hot object/substance</i>	8,434	4	37	13		8,488	1.2	132.3
Firearm	155	6	250	45	7	463	0.1	7.2
Machinery	3,982					3,982	0.6	62.1
Natural/Environmental	26,104	10		10		26,124	3.7	407.1
<i>Dog bites</i>	6,211	0		0		6,211	0.9	96.8
<i>Other bites & stings</i>	17,077	0		0		17,077	2.4	266.1
<i>All other (e.g. extreme cold)</i>	2,816	10		10		2,836	0.4	44.2
Overexertion	85,179					85,179	12.0	1,327.5
Poisoning	7,082	3,439	20	2,848	7	13,396	1.9	208.8
Struck by, against	100,490		13,186		447	114,123	16.0	1,778.6
Suffocation	511	116	30	13		670	0.1	10.4
Transport-related Injuries	88,039	3	20	2		88,064	12.4	1,372.5
<i>Motor vehicle traffic-related</i>	76,374	3	20	1		76,398	10.7	1,190.6
<i>Occupant</i>	65,136					65,136	9.2	1,015.1
<i>Motorcyclist</i>	2,246					2,246	0.3	35.0
<i>Pedal cyclist</i>	1,066					1,066	0.1	16.6
<i>Pedestrian</i>	3,352					3,352	0.5	52.2
<i>Other person</i>	211					211	0.0	3.3
<i>Unspecified</i>	4,363					4,363	0.6	68.0
<i>Pedal cyclist, other</i>	7,000					7,000	1.0	109.1
<i>Pedestrian, other</i>	412					412	0.1	6.4
<i>Transportation, other</i>	4,253			1		4,254	0.6	66.3
Other-specified & classifiable	36,519	9	2,544	35	9	39,116	5.5	609.6
<i>Human bites</i>	642		1,050			1,692	0.2	26.4
<i>Non-powder gun (BB, pellet)</i>	339	5	68	29	0	441	0.1	6.9
<i>Other specified & classifiable</i>	35,538	4	1,426	6	9	36,983	5.2	576.4
Other specified, not classifiable	8,626	558	3,956	213	8	13,361	1.9	208.2
Unspecified	47,888	201	2,709	1,831	70	52,699	7.4	821.3
Adverse effects ³	--	--	--	--	--	1,191	0.2	18.6
Cause and Intent are not provided	--	--	--	--	--	13,500	1.9	210.4
TOTALS⁴	659,217	6,968	24,497	5,263	553	711,189	100%	11,083.7
RATE BY INTENT/per 100,000	10,273.8	108.6	381.8	82.0	8.6			

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, 2005 - September 30, 2006 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.

—Cases from two hospitals are excluded from the above cause and intent categories due to data quality issues.

—Population data used to calculate rates are based on the 2006 Modified Age, Race, and Sex File from the NCHS. Estimated 2006 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.