

Injury-related Hospital Discharges

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	628	632	443	16	1	1,720	3.0	26.9
Drowning/submersion	27	1	0	1		29	0.1	0.5
Fall	26,541	22	4	13		26,580	46.4	415.4
Fire/burn	496	30	12	6		544	0.9	8.5
<i>Fire/flame</i>	197	28	7	4		236	0.4	3.7
<i>Hot object/substance burn</i>	299	2	5	2		308	0.5	4.8
Firearms	39	5	323	16	7	390	0.7	6.1
Machinery	224					224	0.4	3.5
Natural/environmental	1,051	0		2		1,053	1.8	16.5
<i>Dog bites</i>	146	0		0		146	0.3	2.3
<i>Other bites & stings</i>	524	0		0		524	0.9	8.2
<i>All other</i>	381	0		2		383	0.7	6.0
Overexertion	1,038					1,038	1.8	16.2
Poisoning	2,366	3,075	1	565	0	6,007	10.5	93.9
Struck by, against	1,184		635		17	1,836	3.2	28.7
Suffocation/hanging	444	28	0	0		472	0.8	7.4
Transport Injuries:	5,182	5	7	0		5,194	9.1	81.2
<i>Motor vehicle traffic-related</i>	4,218	5	7	0		4,230	7.4	66.1
<i>Occupant</i>	2,830					2,830	4.9	44.2
<i>Motorcyclist</i>	507					507	0.9	7.9
<i>Pedal Cyclist</i>	112					112	0.2	1.8
<i>Pedestrian</i>	626					626	1.1	9.8
<i>Other person</i>	13					13	< .1	0.2
<i>Unspecified person</i>	130					130	0.2	2.0
<i>Pedal cyclist, other</i>	378					378	0.7	5.9
<i>Pedestrian, other</i>	57					57	0.1	0.9
<i>Other transport</i>	529					529	0.9	8.3
Other specified & classifiable	2,500	7	141	2	1	2,651	4.6	41.4
<i>Human bites</i>	39	0	45	0	0	84	0.1	1.3
<i>Non-powder guns</i>	14	2	3	1	0	20	< .1	0.3
<i>Other specified & classifiable</i>	2,447	5	93	1	1	2,547	4.4	39.8
Other specified, not classifiable	920	117	196	138	25	1,396	2.4	21.8
Unspecified	2,990	27	151	37	5	3,210	5.6	50.2
Adverse effects ³	--	--	--	--	--	2,596	4.5	40.6
Cause and Intent are not provided	--	--	--	--	--	2,399	4.2	37.5
TOTALS⁴	45,630	3,949	1,913	796	56	57,339	100%	896.1
RATE BY INTENT/per 100,000	713.1	61.7	29.9	12.4	0.9			

Source: Massachusetts Hospital 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.

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 percentage may be less or more than 100% due to rounding, but is presented here as 100%.

—An injury hospitalization 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.

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

—Injury hospitalization cases transferred to another acute care facility or subsequently dying in the hospital, are excluded from this analysis.

—Population data used to calculate rates are based on 2005 population estimates released August 4, 2006 by the US Census Bureau. Estimated 2005 Massachusetts population is 6,398,743. Rates are per 100,000 residents.

—Data were extracted and compiled by the Injury Surveillance Program, Bureau of Health Information, Statistics, Research & Evaluation, MDPH, June 2007.

