

Injury-related Hospital Discharges

2004*

MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Rate per 100,000 ²
	Unintentional	Intentional		Undetermined	Other & Legal ¹			
		Self-Inflicted	Assault					
Cut/pierce	664	551	426	10	0	1,651	3.0	25.7
Drowning/submersion	41	1	0	0		42	0.1	0.7
Fall	25,666	20	5	15		25,706	46.6	400.6
Fire/burn	491	28	5	8		532	1.0	8.3
<i>Fire/flare</i>	201	28	2	6		237	0.4	3.7
<i>Hot object/substance burn</i>	290	0	3	2		295	0.5	4.6
Firearms	51	1	197	18	8	275	0.5	4.3
Machinery	266					266	0.5	4.1
Natural/environmental	970	2		3		975	1.8	15.2
<i>Dog bites</i>	151	0		0		151	0.3	2.4
<i>Other bites & stings</i>	477	0		0		477	0.9	7.4
<i>All other</i>	342	2		3		347	0.6	5.4
Overexertion	1,010					1,010	1.8	15.7
Poisoning	2,081	2,997	0	548	0	5,626	10.2	87.7
Struck by, against	1,168		567		8	1,743	3.2	27.2
Suffocation/hanging	345	28	5	1		379	0.7	5.9
Transport Injuries:	5,554	8	4	1		5,567	10.1	86.8
<i>Motor vehicle traffic-related</i>	4,532	8	4	1		4,545	8.2	70.8
<i>Occupant</i>	2,995					2,995	5.4	46.7
<i>Motorcyclist</i>	571					571	1.0	8.9
<i>Pedal Cyclist</i>	153					153	0.3	2.4
<i>Pedestrian</i>	632					632	1.1	9.8
<i>Other person</i>	36					36	0.1	0.6
<i>Unspecified person</i>	145					145	0.3	2.3
<i>Pedal cyclist, other</i>	407					407	0.7	6.3
<i>Pedestrian, other</i>	57					57	0.1	0.9
<i>Other transport</i>	558					558	1.0	8.7
Other specified & classifiable	2,227	4	142	1	0	2,374	4.3	37.0
<i>Human bites</i>	35	0	0	0	0	35	0.1	0.5
<i>Non-powder guns</i>	14	0	0	0	0	14	0.0	0.2
<i>Other specified & classifiable</i>	2,178	4	142	1	0	2,325	4.2	36.2
Other specified, not classifiable	786	99	156	110	17	1,168	2.1	18.2
Unspecified	3,022	30	157	20	1	3,230	5.9	50.3
Adverse effects ³						2,354	4.3	36.7
Cause and intent are not provided						2,209	4.0	34.4
TOTALS⁴	44,342	3,769	1,664	735	34	55,107	100%	858.8
RATE BY INTENT/per 100,000	691.1	58.7	25.9	11.5	0.5			

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, 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 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)]

—Injury hospitalization cases transferred to another acute care facility or 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.

—Injury subcategories are italicized.

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