

Injury-related Hospital Discharges

2009*

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	559	513	450	12	0	1,534	2.5	23.3
Drowning/submersion	34	<7	0	<7		38	0.1	0.6
Fall	28,212	32	<7	11		28,258	45.8	428.6
Fire/burn	507	23	11	13		554	0.9	8.4
<i>Fire/flare</i>	168	19	<7	8		201	0.3	3.0
<i>Hot object/substance burn</i>	339	<7	<7	<7		353	0.6	5.4
Firearms	31	12	257	11	0	311	0.5	4.7
Machinery	174					174	0.3	2.6
Natural/environmental	1,170	<7		8		1,181	1.9	17.9
<i>Dog bites</i>	189	0		0		189	0.3	2.9
<i>Other bites & stings</i>	520	0		0		520	0.8	7.9
<i>All other</i>	461	<7		8		472	0.8	7.2
Overexertion	911					911	1.5	13.8
Poisoning	2,771	3,403	<7	549	0	6,726	10.9	102.0
Struck by, against	1,305		641		15	1,961	3.2	29.7
Suffocation/hanging	607	37	1	0		645	1.0	9.8
Transport Injuries:	4,633	7	7	<7		4,652	7.5	70.6
<i>Motor vehicle traffic-related</i>	3,598	7	7	<7		3,617	5.9	54.9
<i>Occupant</i>	2,229					2,229	3.6	33.8
<i>Motorcyclist</i>	485					485	0.8	7.4
<i>Pedal Cyclist</i>	152					152	0.2	2.3
<i>Pedestrian</i>	583					583	0.9	8.8
<i>Other person</i>	23					23	0.0	0.3
<i>Unspecified person</i>	126					126	0.2	1.9
<i>Pedal cyclist, other</i>	443					443	0.7	6.7
<i>Pedestrian, other</i>	39					39	0.1	0.6
<i>Other transport</i>	553					553	0.9	8.4
Other specified & classifiable	2,777	7	198	<7	<7	2,988	4.8	45.3
<i>Human bites</i>	32	0	47	0	0	79	0.1	1.2
<i>Non-powder guns</i>	10	<7	0	<7	0	14	0.0	0.2
<i>Other specified & classifiable</i>	2,735	<7	151	<7	<7	2,895	4.7	43.9
Other specified, not classifiable	1,037	148	313	120	36	1,654	2.7	25.1
Unspecified	3,416	18	153	53	<7	3,641	5.9	55.2
Adverse effects ³						3,151	5.1	47.8
Cause and Intent are not provided						3,315	5.4	50.3
TOTALS⁴	48,144	4,206	2,037	786	55	61,694	100%	935.7
RATE BY INTENT/per 100,000	730.2	63.8	30.9	11.9	0.8			

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 - September 30 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 Counts less than 7 are suppressed and rates are not calculated. 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.

—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 2009 population estimates by the US Census Bureau. Estimated 2009 Massachusetts population is 6,593,587. Rates are per 100,000 residents.

—Data were extracted and compiled by the Injury Surveillance Program, Bureau of Health Information, Statistics, Research & Evaluation, MDPH, February 2011.