

Injury-related Hospital Discharges

Revised
8/2005

2003

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	654	522	392	10	0	1,578	2.9	24.5
Drowning/submersion	33	1	0	1		35	0.1	0.5
Fall	25,756	44	5	24		25,829	47.5	401.5
Fire/burn	487	27	3	11		528	1.0	8.2
<i>Fire/flare</i>	187	23	3	9		222	0.4	3.5
<i>Hot object/substance burn</i>	300	4	0	2		306	0.6	4.8
Firearms	63	8	178	24	0	273	0.5	4.2
Machinery	246					246	0.5	3.8
Natural/environmental	899	2		2		903	1.7	14.0
<i>Dog bites</i>	152					152	0.3	2.4
<i>Other bites & stings</i>	425					427	0.8	6.6
<i>All other</i>	322	2		2		324	0.6	5.0
Overexertion	1,033					1,033	1.9	16.1
Poisoning	1,822	3,064	5	637	0	5,528	10.2	85.9
Struck by, against	1,157		607		11	1,775	3.3	27.6
Suffocation/hanging	391	26	5	0		422	0.8	6.6
Transport Injuries:	5,278	6	2	2	0	5,288	9.7	82.2
<i>Motor vehicle traffic-related</i>	4,342					4,342	8.0	67.5
<i>Occupant</i>	2,957					2,957	5.4	46.0
<i>Motorcyclist</i>	457					457	0.8	7.1
<i>Pedal Cyclist</i>	112					112	0.2	1.7
<i>Pedestrian</i>	666					666	1.2	10.4
<i>Other person</i>	23					23	< 0.1	0.4
<i>Unspecified person</i>	127					127	0.2	2.0
<i>Pedal cyclist, other</i>	350					350	0.6	5.4
<i>Pedestrian, other</i>	48					48	0.1	0.7
<i>Other transport</i>	538					538	1.0	8.4
Other specified & classifiable	1,925	4	155	2	1	2,087	3.8	32.4
<i>Human bites</i>	22	0	56	0	0	78	0.1	1.2
<i>Non-powder guns</i>	11	0	6	0	0	17	< 0.1	0.3
<i>Other specified & classifiable</i>	1,892	4	93	2	1	1,992	3.7	31.0
Other specified, not classifiable	818	114	131	64	11	1,138	2.1	17.7
Unspecified	2,878	37	136	31	1	3,083	5.7	47.9
Adverse effects ³						1,982	3.6	30.8
No cause or intent provided						2,595	4.8	40.3
TOTALS⁴	43,440	3,855	1,619	808	24	54,323	100%	844.4

Source: Massachusetts Hospital Discharge Database, MA Division of Health Care Finance and Policy.

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.

—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.

—Analysis is based on a fiscal year (Oct 1, 2002– Sep 30, 2003).

—Only Massachusetts residents with valid zip codes (01001-02791, 05501, 05544) 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 for calculating rates are based on 2003 estimates for Massachusetts by the US Census Bureau (N=6,433,422).