

Injury-related Hospital Discharges

2001

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	696	496	408	14	0	1,614	3.1	25.4
Drowning/submersion	46	1	0	0		47	0.1	0.7
Fall	24,220	31	2	27		24,280	47.2	382.4
Fire/burn	486	28	6	8		528	1.0	8.3
<i>Fire/flame</i>	199	25	3	6		233	0.5	3.7
<i>Hot object/substance burn</i>	287	3	3	2		295	0.6	4.6
Firearms	48	6	132	21	3	210	0.4	3.3
Machinery	288					288	0.6	4.5
Natural/environmental	767	2		2		771	1.5	12.1
<i>Dog bites</i>	184	0		0		184	0.4	2.9
<i>Other bites & stings</i>	305	0		0		305	0.6	4.8
<i>Other (e.g., extreme cold)</i>	278	2		2		282	0.5	4.4
Overexertion	1,063					1,063	2.1	16.7
Poisoning	1,618	2,914	6	526	0	5,064	9.8	79.8
Struck by, against	1,058		610		10	1,678	3.3	26.4
Suffocation/hanging	269	26	1	4		300	0.6	4.7
Transport Injuries:	5,243	13	5	2	0	5,263	10.2	82.9
<i>Motor vehicle traffic-related</i>	4,355					4,355	8.5	68.6
<i>Occupant</i>	2,939					2,939	5.7	46.3
<i>Motorcyclist</i>	489					489	1.0	7.7
<i>Pedal cyclist</i>	123					123	0.2	1.9
<i>Pedestrian</i>	623					623	1.2	9.8
<i>Other person</i>	33					33	0.1	0.5
<i>Unspecified person</i>	148					148	0.3	2.3
<i>Pedal cyclist, other</i>	319					319	0.6	5.0
<i>Pedestrian, other</i>	66					66	0.1	1.0
<i>Other transport</i>	503					503	1.0	7.9
Other specified & classifiable	1,681	14	156	4	0	1,855	3.6	29.2
<i>Human bites</i>	16	0	42	0	0	58	0.1	0.9
<i>Other specified & classifiable</i>	1,665	14	114	4	0	1,797	3.5	28.3
Other specified, not classifiable	547	84	105	68	21	825	1.6	13.0
Unspecified	2,352	27	146	26	1	2,552	5.0	40.2
Adverse effects ³						1,612	3.1	25.4
No cause or intent provided						3,478	6.8	54.8
TOTALS	40,382	3,642	1,577	702	35	51,428	100%	810.0

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.

³ Adverse Effects can be related to medical and surgical care procedures, or to the use of therapeutic substances (including allergic reactions).

—An injury-related 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, 2000- Sep 30, 2001).

—Only Massachusetts residents with valid zip codes (01001-02791, 05501, 05544) are included in this analysis.

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

—Population data to calculate rates are based on the US Census Bureau, Census 2000 P.L. 94-171 Redistricting File.

—This summary includes cases of adverse effects and injuries that were not assigned cause and intent; these are included in the overall injury total and rate. Previous summaries (1995-1999) did not include such cases.

—Data were extracted and compiled by the Injury Surveillance Program, MDPH, May 2003. Revised October 2003.