

# Injury-related Hospital Discharges

# 2002

## MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Rate per 100,000 <sup>2</sup>
	Unintentional	Intentional		Undetermined	Other & Legal <sup>1</sup>			
		Self-Inflicted	Assault					
Cut/pierce	588	454	402	22	0	1,466	2.9	23.1
Drowning/submersion	35	0	0	0		35	0.1	0.6
Fall	23,493	26	8	26		23,553	46.1	371.0
Fire/burn	442	33	7	5		487	1.0	7.7
<i>Fire/flare</i>	160	28	2	3		193	0.4	3.0
<i>Hot object/substance burn</i>	282	5	5	2		294	0.6	4.6
Firearms	41	5	161	26	2	235	0.5	3.7
Machinery	256					256	0.5	4.0
Natural/environmental	800	2		3		805	1.6	12.7
<i>Dog bites</i>	124	0		0		124	0.2	2.0
<i>Other bites &amp; stings</i>	369	0		0		369	0.7	5.8
<i>All other</i>	307	2		3		312	0.6	4.9
Overexertion	1,054					1,054	2.1	16.6
Poisoning	1,773	2,847	4	549	0	5,173	10.1	81.5
Struck by, against	1,117		570		4	1,691	3.3	26.6
Suffocation/hanging	318	30	1	1		350	0.7	5.5
Transport Injuries:	5,642	10	3	3	0	5,658	11.1	89.1
<i>Motor vehicle traffic-related</i>	4,619					4,619	9.0	72.8
<i>Occupant</i>	3,054					3,054	6.0	48.1
<i>Motorcyclist</i>	555					555	1.1	8.7
<i>Pedal Cyclist</i>	133					133	0.3	2.1
<i>Pedestrian</i>	690					690	1.4	10.9
<i>Other person</i>	29					29	0.1	0.5
<i>Unspecified person</i>	158					158	0.3	2.5
<i>Pedal cyclist, other</i>	356					356	0.7	5.6
<i>Pedestrian, other</i>	67					67	0.1	1.1
<i>Other transport</i>	600					601	1.2	9.5
Other specified & classifiable	1,661	7	139	0	0	1,807	3.5	28.5
<i>Human Bites</i>	30	0	23	0	0	53	0.1	0.8
<i>Other specified &amp; classifiable</i>	1,631	7	116	0	0	1,754	3.4	27.6
Other specified, not classifiable	619	89	126	59	9	902	1.8	14.2
Unspecified	2,665	26	154	16	1	2,862	5.6	45.1
Adverse effects <sup>3</sup>						1,754	3.4	27.6
No cause or intent provided						2,996	5.9	47.2
<b>TOTALS</b>	<b>40,504</b>	<b>3,529</b>	<b>1,575</b>	<b>710</b>	<b>16</b>	<b>51,084</b>	<b>100%</b>	<b>804.6</b>

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

<sup>1</sup> Legal Intervention includes injuries resulting from police actions and operations of war.

<sup>2</sup> Rates are not calculated on counts of less than five. Rates that are based on counts less than twenty may be unstable.

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

—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, 2001– Sep 30, 2002).

—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, October 2003.