

# Injury-related Hospital Discharges

2007\*

## MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Crude Rate per 100,000 <sup>2</sup>
	Unintentional	Intentional		Undetermined	Other & Legal <sup>1</sup>			
		Self-Inflicted	Assault					
Cut/pierce	643	519	515	5	0	1,682	2.8	26.1
Drowning/submersion	29	2	0	0		31	0.1	0.5
Fall	27,390	39	7	22		27,458	45.7	425.7
Fire/burn	488	18	10	7		523	0.9	8.1
<i>Fire/flame</i>	185	17	4	3		209	0.3	3.2
<i>Hot object/substance burn</i>	303	1	6	4		314	0.5	4.9
Firearms	33	8	332	8	5	386	0.6	6.0
Machinery	187					187	0.3	2.9
Natural/environmental	1,011	2		8		1,021	1.7	15.8
<i>Dog bites</i>	137	0		0		137	0.2	2.1
<i>Other bites &amp; stings</i>	487	0		0		487	0.8	7.6
<i>All other</i>	387	2		8		397	0.7	6.2
Overexertion	1,053					1,053	1.8	16.3
Poisoning	2,576	3,300	6	656	0	6,538	10.9	101.4
Struck by, against	1,266		683		20	1,969	3.3	30.5
Suffocation/hanging	503	37	4	1		545	0.9	8.4
Transport Injuries:	5,252	14	3	3		5,272	8.8	81.7
<i>Motor vehicle traffic-related</i>	4,236	14	3	3		4,256	7.1	66.0
<i>Occupant</i>	2,781					2,781	4.6	43.1
<i>Motorcyclist</i>	522					522	0.9	8.1
<i>Pedal Cyclist</i>	131					131	0.2	2.0
<i>Pedestrian</i>	626					626	1.0	9.7
<i>Other person</i>	25					25	0.0	0.4
<i>Unspecified person</i>	151					151	0.3	2.3
<i>Pedal cyclist, other</i>	360					360	0.6	5.6
<i>Pedestrian, other</i>	49					49	0.1	0.8
<i>Other transport</i>	607					607	1.0	9.4
Other specified & classifiable	2,565	12	153	0	0	2,730	4.5	42.3
<i>Human bites</i>	45	0	47	0	0	92	0.2	1.4
<i>Non-powder guns</i>	8	1	3	0	0	12	0.0	0.2
<i>Other specified &amp; classifiable</i>	2,512	11	103	0	0	2,626	4.4	40.7
Other specified, not classifiable	903	136	259	83	19	1,400	2.3	21.7
Unspecified	3,178	25	165	30	3	3,401	5.7	52.7
Adverse effects <sup>3</sup>	--	--	--	--	--	2,867	4.8	44.5
Cause and Intent are not provided	--	--	--	--	--	3,052	5.1	47.3
<b>TOTALS<sup>4</sup></b>	<b>47,077</b>	<b>4,112</b>	<b>2,137</b>	<b>823</b>	<b>47</b>	<b>60,115</b>	<b>100</b>	<b>932.1</b>
<b>RATE BY INTENT/per 100,000</b>	<b>729.9</b>	<b>63.8</b>	<b>33.1</b>	<b>12.8</b>	<b>0.7</b>			

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, 2006 - September 30, 2007 and will be different than numbers generated through the Department's query based system MassCHIP.

<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).

<sup>4</sup> 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.

—Only Massachusetts residents with valid MA zip codes 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 to calculate rates are based on 2007 population estimates released December 27, 2007 by the US Census Bureau. Estimated 2007 Massachusetts population is 6,449,755. Rates are per 100,000 residents.

—Data were extracted and compiled by the Injury Surveillance Program, Bureau of Health Information, Statistics, Research & Evaluation, MDPH, REVISED 08/09.

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