

# Injury-related Emergency Dept. Visits

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	68,875	2,415	1,660	115	14	73,079	10.3	1,133.1
Drowning/submersion	166	1	1	4		172	0.0	2.7
Fall	176,999	18	23	75		177,115	25.0	2,746.1
Fire/burn	10,227	43	50	24		10,344	1.5	160.4
<i>Fire/flare</i>	1,711	40	14	19		1,784	0.3	27.7
<i>Hot object/substance</i>	8,516	3	36	5		8,560	1.2	132.7
Firearm	142	3	222	40	8	415	0.1	6.4
Machinery	3,723					3,723	0.5	57.7
Natural/Environmental	30,176	2		6		30,184	4.3	468.0
<i>Dog bites</i>	6,410	0		0		6,410	0.9	99.4
<i>Other bites &amp; stings</i>	21,043	0		0		21,043	3.0	326.3
<i>All other (e.g. extreme cold)</i>	2,723	2		6		2,731	0.4	42.3
Overexertion	84,981					84,981	12.0	1,317.6
Poisoning	7,223	3,350	29	3,104	13	13,719	1.9	212.7
Struck by, against	100,234		13,171		477	113,882	16.1	1,765.7
Suffocation	478	119	33	6		636	0.1	9.9
Transport-related Injuries	84,247	8	23	6		84,284	11.9	1,306.8
<i>Motor vehicle traffic-related</i>	71,485	8	23	6		71,522	10.1	1,108.9
<i>Occupant</i>	60,069					60,069	8.5	931.3
<i>Motorcyclist</i>	2,364					2,364	0.3	36.7
<i>Pedal cyclist</i>	1,133					1,133	0.2	17.6
<i>Pedestrian</i>	3,199					3,199	0.5	49.6
<i>Other person</i>	238					238	0.0	3.7
<i>Unspecified</i>	4,482					4,482	0.6	69.5
<i>Pedal cyclist, other</i>	7,645					7,645	1.1	118.5
<i>Pedestrian, other</i>	391					391	0.1	6.1
<i>Transportation, other</i>	4,726					4,726	0.7	73.3
Other-specified & classifiable	35,339	21	2,474	22	4	37,860	5.3	587.0
<i>Human bites</i>	658		1,027			1,685	0.2	26.1
<i>Non-powder gun (BB, pellet)</i>	295	8	69	19	0	391	0.1	6.1
<i>Other specified &amp; classifiable</i>	34,386	13	1,378	3	4	35,784	5.1	554.8
Other specified, not classifiable	9,998	554	4,528	268	7	15,355	2.2	238.1
Unspecified	48,181	186	3,013	2,045	86	53,511	7.6	829.7
Adverse effects <sup>3</sup>						1,214	0.2	18.8
Cause and Intent are not provided						7,409	1.0	114.9
<b>TOTALS<sup>4</sup></b>	<b>660,989</b>	<b>6,720</b>	<b>25,227</b>	<b>5,715</b>	<b>609</b>	<b>707,883</b>	<b>100</b>	<b>10,975.3</b>
<b>RATE BY INTENT/per 100,000</b>	<b>10,248.3</b>	<b>104.2</b>	<b>391.1</b>	<b>88.6</b>	<b>9.4</b>			

Source: MA Emergency Department 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. Rates provided here are not age-adjusted and may differ slightly from other department publications.

<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 percent is presented here as 100% but may be slightly less or more due to rounding.

—An emergency department injury discharge 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)]

—ED injury cases subsequently dying in the hospital are excluded from this analysis.

—Only Massachusetts residents with valid MA zip codes are included in this analysis.

—Cases from two hospitals are excluded from the above cause and intent categories due to data quality issues.

—Population data used to calculate rates are based on the 2007 Modified Age, Race, and Sex File from the NCHS. Estimated 2007 Massachusetts population is 6,449,755

—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.