

Estimated ED Injury-related Visits

2001

MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Number of Est. Cases	Percent of Total	Rate per 100,000 ²
	Unintentional	Intentional		Undetermined	Other & Legal ¹			
		Self-inflicted	Assault					
Cut/pierce	79,669	1,533	902	138	6	82,248	10.9	1,295.4
Drowning/submersion	102	0	0	0		102	< .1	1.6
Fall	187,638	30	30	54		187,752	24.9	2,957.1
Fire/burn	10,590	48	6	24		10,668	1.4	168.0
<i>Fire/flare</i>	1,809	42	6	12		1,869	0.2	29.4
<i>Hot object/substance</i>	8,781	6	0	12		8,799	1.2	138.6
Firearm	108	6	36	6	12	168	< .1	2.6
Machinery	3,534					3,534	0.5	55.7
Natural/Environmental	32,923	0		0		32,923	4.4	518.5
<i>Dog bites</i>	8,252	0		0		8,252	1.1	130.0
<i>Other bites/stings</i>	22,207	0		0		22,207	2.9	349.8
<i>All other</i>	2,464	0		0		2,464	0.3	38.8
Overexertion	96,989					96,989	12.8	1,527.6
Poisoning	5,944	4,495	18	1,665	0	12,122	1.6	190.9
Struck by, against	112,111		12,248		222	124,581	16.5	1,962.2
Suffocation	649	54	24	0		727	0.1	11.5
Transport-related Injuries	103,901	6	24	6	0	103,937	13.8	1,637.0
<i>Motor vehicle traffic-related</i>	87,698					87,698	11.6	1,381.3
<i>Occupant</i>	76,213					76,213	10.1	1,200.4
<i>Motorcyclist</i>	2,674					2,674	0.4	42.1
<i>Pedal cyclist</i>	1,034					1,034	0.1	16.3
<i>Pedestrian</i>	2,891					2,891	0.4	45.5
<i>Unspecified person</i>	3,997					3,997	0.5	63.0
<i>Other person</i>	889					889	0.1	14.0
<i>Pedal cyclist, other</i>	10,746					10,746	1.4	169.3
<i>Pedestrian, other</i>	631					631	0.1	9.9
<i>Transportation, other</i>	4,826					4,826	0.6	76.0
Other-specified & classifiable	39,509	0	1,935	18	18	41,480	5.5	653.3
<i>Human bites</i>	715	0	829	0	0	1,544	0.2	24.3
<i>Non-powder gun (BB, pellet)</i>	144	0	60	12	0	216	< .1	3.4
<i>Other specified & classifiable</i>	38,650	0	1,046	6	18	39,720	5.3	625.6
Other specified, not classifiable	6,689	463	2,344	150	18	9,664	1.3	152.2
Unspecified	37,112	114	1,382	120	156	38,884	5.1	612.4
Adverse effects ³						962	0.1	15.2
No cause or intent provided						8,558	1.1	134.8
TOTALS	717,468	6,749	18,949	2,181	432	755,299	100%	11,896.2

Source: Emergency Department Injury Surveillance System. Massachusetts Department of Public Health.

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 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)]

—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.

—ED injury cases transferred to another facility or subsequently dying in the hospital are excluded from this analysis.

—The above statewide estimates are based on a random sample of 11 hospital emergency departments that participate in the Emergency Department Injury Surveillance System.

—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 emergency department summaries did not include these cases.