

Injury-related Hospital Discharges

2003

MASSACHUSETTS YOUTH AND YOUNG ADULTS, AGES 15-24 YEARS

- ◆ There were 4,594 injury-related hospital discharges among Massachusetts youth ages 15-24 in 2003, a rate of 540.9 per 100,000 residents.

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Crude Rate per 100,000 ²
	Unintentional	Intentional		Undetermined	Other & Legal ¹			
		Self-inflicted	Assault					
Cut/pierce	94	155	160	2	0	411	8.9	48.4
Drowning/submersion	6	0	0	0		6	0.1	0.7
Fall	523	10	1	4		538	11.7	63.3
Fire/burn	36	4	1	0		41	0.9	4.8
Firearms	27	1	99	18	0	145	3.2	17.1
Machinery	29					29	0.6	3.4
Natural/environmental	53	0		0		53	1.2	6.2
<i>Dog bites</i>	13	0		0		13	0.3	1.5
<i>Other bites & stings</i>	24	0		0		24	0.5	2.8
<i>All other (e.g. extreme cold)</i>	16	0		0		16	0.3	1.9
Overexertion	101					101	0.0	11.9
Poisoning	201	721	1	109	0	1,032	22.5	121.5
Struck by, against	189	0	175	0	2	366	8.0	43.1
Suffocation/hanging	8	8	1	0		17	0.4	2.0
Transport Injuries:	1,218	2	2	0	0	1,222	26.6	143.9
<i>Motor vehicle traffic-related</i>	1,040	2	2	0	0	1,044	22.7	122.9
<i>Occupant</i>	793					793	17.3	93.4
<i>Motorcyclist</i>	94					94	2.0	11.1
<i>Pedal cyclist</i>	17					17	0.4	2.0
<i>Pedestrian</i>	108					108	2.4	12.7
<i>Other person</i>	3					3	0.0	--
<i>Unspecified person</i>	25					25	0.5	2.9
<i>Pedal cyclist, other</i>	57					57	1.2	6.7
<i>Pedestrian, other</i>	6					6	0.1	0.7
<i>Other transport</i>	115					115	2.5	13.5
Other specified & classifiable	152	3	32	0	0	187	4.1	22.0
Other specified, not classifiable	76	28	33	3	0	140	3.0	16.5
Unspecified	114	10	28	3	0	155	3.4	18.2
Adverse Effects ³						43	0.9	5.1
No cause or intent provided						108	20.0	12.7
TOTAL NUMBERS	2,827	942	533	139	2	4,594	100.0	540.9
Injury ED Visit Rate by Intent	332.8	110.9	62.8	16.4	0.2	540.9	n/a	n/a

Source: MA Emergency Department 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 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, 2002 - Sep 30, 2003).

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

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- 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 2003 population estimates generated by the US Census Bureau (www.census.gov/popest/states/asrh/files/SC-EST2003-race6-AL_MO.csv).
- Data were extracted and compiled by the Injury Surveillance Program, Center for Health Information, Statistics, Research and Evaluation, MDPH, July 2005.