

# Injury-related Emerg. Dept. Visits

# 2003

## MASSACHUSETTS YOUTH AND YOUNG ADULTS, AGES 15-24 YEARS

- ◆ There were 153,834 injury-related emergency department visits among Massachusetts youth ages 15-24 in 2003, a rate of 18,112.3 visits per 100,000 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	14,836	897	708	64	3	16,508	10.7	1,943.6
Drowning/submersion	21	1	0	0		22	0.0	2.6
Fall	21,917	8	5	21		21,951	14.3	2,584.5
Fire/burn	2,422	15	12	5		2,454	1.6	288.9
Firearms	80	0	84	30	5	199	0.1	23.4
Machinery	878					878	0.6	103.4
Natural/environmental	3,561	1		1		3,563	2.3	419.5
<i>Dog bites</i>	899	0		0		899	0.6	105.8
<i>Other bites &amp; stings</i>	2,218	0		0		2,218	1.4	261.1
<i>All other (e.g. extreme cold)</i>	444	1		1		446	0.3	52.5
Overexertion	18,531					18,531	0.0	2,181.8
Poisoning	1,199	1,294	11	738	3	3,245	2.1	382.1
Struck by, against	25,343	0	5,857	0	106	31,306	20.4	3,686.0
Suffocation/hanging	21	15	8	3		47	0.0	5.5
Transport Injuries:	35,132	5	2	0	0	35,139	22.8	4,137.2
<i>Motor vehicle traffic-related</i>	32,474	5	2	0	0	32,481	21.1	3,824.3
<i>Occupant</i>	29,204					29,204	19.0	3,438.5
<i>Motorcyclist</i>	693					693	0.5	81.6
<i>Pedal cyclist</i>	289					289	0.2	34.0
<i>Pedestrian</i>	898					898	0.6	105.7
<i>Other person</i>	72					72	0.0	8.5
<i>Unspecified person</i>	1,318					1,318	0.9	155.2
<i>Pedal cyclist, other</i>	1,319					1,319	0.9	155.3
<i>Pedestrian, other</i>	79					79	0.1	9.3
<i>Other transport</i>	1,314					1,314	0.9	154.7
Other specified & classifiable	6,514	6	730	16	0	7,266	4.7	855.5
Other specified, not classifiable	1,418	182	1,364	45	0	3,009	2.0	354.3
Unspecified	6,701	71	699	84	22	7,577	4.9	892.1
Adverse Effects <sup>3</sup>						172	0.1	20.3
No cause or intent provided						1,913	1.2	225.2
<b>TOTAL NUMBERS</b>	<b>138,628</b>	<b>2,495</b>	<b>9,480</b>	<b>1,007</b>	<b>139</b>	<b>153,834</b>	<b>100.0</b>	<b>18,112.3</b>
Injury ED Visit Rate by Intent	16,322.0	293.8	1,116.2	118.6	16.4	18,112.3	n/a	n/a

Source: MA Emergency Department 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 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).

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

—ED injury cases 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](http://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.