

Traumatic Brain Injury -- ED Discharges

2007

MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Rate per 100,000 ²
	Unintentional	Intentional		Undetermined	Other & Legal ¹			
		Self-Inflicted	Assault					
Drowning/submersion	11	0	0	0		11	0.0	0.2
Fall	21,684	<7	<7	<7		21,695	46.1	336.4
Firearms	<7	<7	7	<7	<7	15	0.0	0.2
Machinery	32					32	0.1	0.5
Struck by, against	8,888		2,689		44	11,621	24.7	180.2
Transport Injuries:	8,657	<7	<7	0	0	8,660	18.4	134.3
<i>Motor vehicle traffic-related</i>	7,183	<7	<7	0		7,186	15.3	111.4
<i>Occupant</i>	5,998					5,998	12.7	93.0
<i>Motorcyclist</i>	217					217	0.5	3.4
<i>Pedal Cyclist</i>	154					154	0.3	2.4
<i>Pedestrian</i>	357					357	0.8	5.5
<i>Other person</i>	22					22	0.0	0.3
<i>Unspecified person</i>	435					435	0.9	6.7
<i>Pedal cyclist, other</i>	891					891	1.9	13.8
<i>Pedestrian, other</i>	43					43	0.1	0.7
<i>Other transport</i>	540					540	1.1	8.4
All Other/Unspecified	1,605	51	1,966	613	18	4,253	9.0	65.9
Adverse Effects						23	0.0	0.4
Cause/intent not provided						736	1.6	11.4
TOTALS⁴	40,879	57	4,666	622	63	47,046	100	729.4
RATE BY INTENT/per 100,000	633.8	0.9	72.3	9.6	--			

Source: Massachusetts Hospital 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. Rates provided here are not age-adjusted and may differ slightly from other department publications.

³ Adverse Effects can be related to medical and surgical care procedures, or to the use of therapeutic substances (including allergic reactions).

⁴ Totals do not include subcategory counts.

—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.

—Analysis is based on a fiscal year (Oct 1, 2006– Sep 30, 2007).

—Only Massachusetts residents with valid 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.

—Data were extracted and compiled by the Injury Surveillance Program, Bureau of Health Information, Statistics, Research and Evaluation, MDPH

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