

Traumatic Brain Injury -- Outpatient Observation Stays

2008

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					
Cut/pierce	0	0	<7	0	0	<7	0.4	0.1
Drowning/submersion	<7	0	0	0		<7	0.1	0.0
Fall	558	0	0	0		558	42.4	8.6
Firearms	0	0	0	<7	0	<7	0.1	0.0
Machinery	0					0	0.0	0.0
Struck by, against	87		76		0	163	12.4	2.5
Transport Injuries:	306	0	0	<7	0	309	23.5	4.8
<i>Motor vehicle traffic-related</i>	244	0	0	<7		247	18.8	3.8
<i>Occupant</i>	171					171	13.0	2.6
<i>Motorcyclist</i>	22					22	1.7	0.3
<i>Pedal Cyclist</i>	12					12	0.9	0.2
<i>Pedestrian</i>	30					30	2.3	0.5
<i>Other person</i>	0					0	0.0	0.0
<i>Unspecified person</i>	9					9	0.7	0.1
<i>Pedal cyclist, other</i>	35					35	2.7	0.5
<i>Pedestrian, other</i>	<7					<7	0.2	0.0
<i>Other transport</i>	24					24	1.8	0.4
All Other/Unspecified	22	<7	35	<7	0	59	4.4	0.9
Adverse Effects ³	--	--	--	--	--	<7	0.2	0.0
Cause/intent not provided	--	--	--	--	--	217	16.5	3.3
TOTALS⁴	974	<7	116	<7	0	1,316	100%	20.3
RATE BY INTENT/per 100,000	15.2	--	1.8	--	--			

Source: Massachusetts Hospital 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, 2007 - September 30, 2008 and will be different than numbers generated through the Department's query based system MassCHIP.

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

—This database contains cases admitted to a hospital bed for "observation," these cases are not included in the Massachusetts Hospital Discharge Database.

—An injury-related "observation" case 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)].

—Injury observation cases subsequently dying in the hospital are excluded from this analysis.

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

—Population data used to calculate rates are based on 2008 population estimates released May 14, 2009 by the US Census Bureau. Estimated 2008 Massachusetts population is 6497967.

—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.

—Data were extracted and compiled by the Injury Surveillance Program, Bureau of Health Information, Statistics, Research & Evaluation, MDPH, March 2010