

Traumatic Brain Injury -- Hospital Discharges

2011

MASSACHUSETTS 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	<7	<7	23	<7	0	26	0.4	0.4
Drowning/submersion	<7	0	0	0		<7	0.1	0.1
Fall	3794	8	1	3		3,806	62.5	57.8
Firearm	<7	<7	18	<7	0	27	0.4	0.4
Machinery	<7					<7	0.1	0.1
Natural/environmental	7	0		0	0	7	0.1	0.1
Poisoning	17	<7	0	<7	0	24	0.4	0.4
Struck-by/against object	188		244		<7	433	7.1	6.6
Transport Injuries:	1,215	<7	<7	0	0	1,220	20.0	18.5
<i>Motor vehicle traffic-related</i>	1,010	<7	<7	0		1,015	16.7	15.4
<i>Occupant</i>	611					611	10.0	9.3
<i>Motorcyclist</i>	121					121	2.0	1.8
<i>Pedal Cyclist</i>	43					43	0.7	0.7
<i>Pedestrian</i>	214					214	3.5	3.2
<i>Other person</i>	<7					<7	0.1	0.1
<i>Unspecified person</i>	15					15	0.2	0.2
<i>Pedal cyclist, other</i>	109					109	1.8	1.7
<i>Pedestrian, other</i>	17					17	0.3	0.3
<i>Other transport</i>	79					79	1.3	1.2
All Other/Unspecified	129	10	90	7	0	236	3.9	3.6
Adverse Effects						100	1.6	1.5
Cause/intent not provided						197	3.2	3.0
TOTALS⁴	5,365	33	377	13	<7	6,086	100.0	92.4
RATE BY INTENT/per 100,000	81.4	0.5	5.7	0.2	--	n/a	n/a	n/a

Source: Massachusetts Inpatient Hospital Discharge Database, Center for Health Information and Analysis (CHIA)

*All CHIA data sets are based on a fiscal year. The numbers provided here are based on fiscal year: October 1, 2010 - September 30, 2011 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 Counts less than 7 are suppressed and rates are not calculated. 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).

⁴ Totals do not include subcategory counts. Total percentage may be less or more than 100% due to rounding, but is presented here as 100%.

—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 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.

—Injury hospitalization cases transferred to another acute care facility or subsequently dying in the hospital, are excluded from this analysis.

—MA population data (6,587,536) used to calculate rates are based on 2011 population estimates by the US Census Bureau. Rates are per 100,000 residents.

—Data were extracted and compiled by the Injury Surveillance Program, Bureau of Health Information, Statistics, Research & Evaluation, MDPH, August 2013.