

Injury-related Outpatient Observation Stays

2009*

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	119	58	86	<7	0	264	2.6	4.0
Drowning/submersion	<7	0	0	0		<7	0.1	0.1
Fall	3,629	<7	<7	<7		3,636	36.3	55.1
Fire/burn	75	<7	<7	0		79	0.8	1.2
<i>Fire/flame</i>	34	<7	<7	0		37	0.4	0.6
<i>Hot object/substance</i>	41	<7	0	0		42	0.4	0.6
Firearm	<7	0	43	25	0	72	0.7	1.1
Machinery	30					30	0.3	0.5
Natural/Environmental	242	0		<7		243	2.4	3.7
<i>Dog bites</i>	23	0		0		23	0.2	0.3
<i>Other bites & stings</i>	133	0		0		133	1.3	2.0
<i>All other (e.g. extreme cold)</i>	86	0		<7		87	0.9	1.3
Overexertion	320					320	3.2	4.9
Poisoning	521	378	<7	140	0	1,041	10.4	15.8
Struck by, against	336		182		0	518	5.2	7.9
Suffocation	36	<7	<7	0		44	0.4	0.7
Transport-related Injuries	930	0	0	<7		931	9.3	14.1
<i>Motor vehicle traffic-related</i>	701	0	0	<7		702	7.0	10.6
<i>Occupant</i>	486					486	4.8	7.4
<i>Motorcyclist</i>	62					62	0.6	0.9
<i>Pedal cyclist</i>	26					26	0.3	0.4
<i>Pedestrian</i>	83					83	0.8	1.3
<i>Other person</i>	8					8	0.1	0.1
<i>Unspecified</i>	36					36	0.4	0.5
<i>Pedal cyclist, other</i>	123					123	1.2	1.9
<i>Pedestrian, other</i>	8					8	0.1	0.1
<i>Transportation, other</i>	98					98	1.0	1.5
Other-specified & classifiable	344	0	39	0	0	383	3.8	5.8
<i>Human bites</i>	<7		<7			8	0.1	0.1
<i>Non-powder gun (BB, pellet)</i>	<7	0	0	0	0	<7	0.0	0.1
<i>Other specified & classifiable</i>	336	0	34	0	0	370	3.7	5.6
Other specified, not classifiable	138	15	80	<7	0	239	2.4	3.6
Unspecified	476	<7	42	<7	0	523	5.2	7.9
Adverse effects ³	--	--	--	--	--	113	1.1	1.7
Cause and Intent are not provided	--	--	--	--	--	2,350	23.4	35.6
TOTALS⁴	7,206	465	480	178	0	10,792	100%	163.7
RATE BY INTENT/per 100,000	109.3	7.1	7.3	2.7	0.0			

Source: MA Outpatient Observation Stay 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 - September 30 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 2009 population estimates released July 23, 2010 by the US Census Bureau. Estimated 2009 Massachusetts population is 6,593,587.

—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, February 2011