

Injury-related Outpatient Observation Stays

2008*

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	105	65	87	<7	0	258	2.6	4.0
Drowning/submersion	15	<7	0	0		16	0.2	0.2
Fall	3,254	0	0	<7		3,255	32.5	50.1
Fire/burn	81	<7	0	<7		84	0.8	1.3
<i>Fire/flame</i>	39	<7	0	<7		42	0.4	0.6
<i>Hot object/substance</i>	42	0	0	0		42	0.4	0.6
Firearm	9	0	32	12	<7	54	0.5	0.8
Machinery	34					34	0.3	0.5
Natural/Environmental	216	0		0		216	2.2	3.3
<i>Dog bites</i>	23	0		0		23	0.2	0.4
<i>Other bites & stings</i>	130	0		0		130	1.3	2.0
<i>All other (e.g. extreme cold)</i>	63	0		0		63	0.6	1.0
Overexertion	324					324	3.2	5.0
Poisoning	476	394	0	131	0	1,001	10.0	15.4
Struck by, against	340		189		<7	532	5.3	8.2
Suffocation	37	<7	<7	0		40	0.4	0.6
Transport-related Injuries	998	0	0	<7		1,002	10.0	15.4
<i>Motor vehicle traffic-related</i>	774	0	0	<7		778	7.8	12.0
<i>Occupant</i>	525					525	5.2	8.1
<i>Motorcyclist</i>	80					80	0.8	1.2
<i>Pedal cyclist</i>	34					34	0.3	0.5
<i>Pedestrian</i>	80					80	0.8	1.2
<i>Other person</i>	7					7	0.1	0.1
<i>Unspecified</i>	48					48	0.5	0.7
<i>Pedal cyclist, other</i>	97					97	1.0	1.5
<i>Pedestrian, other</i>	12					12	0.1	0.2
<i>Transportation, other</i>	115					115	1.1	1.8
Other-specified & classifiable	300	<7	46	0	0	348	3.5	5.4
<i>Human bites</i>	<7		8			11	0.1	0.2
<i>Non-powder gun (BB, pellet)</i>	<7	0	<7	0	0	<7	0.0	--
<i>Other specified & classifiable</i>	294	<7	36	0	0	332	3.3	5.1
Other specified, not classifiable	118	10	58	<7	<7	193	1.9	3.0
Unspecified	437	<7	39	<7	<7	483	4.8	7.4
Adverse effects ³	--	--	--	--	--	103	1.0	1.6
Cause and Intent are not provided	--	--	--	--	--	2,085	20.8	32.1
TOTALS⁴	6,744	476	453	161	<7	10,028	100%	154.3
RATE BY INTENT/per 100,000	103.8	7.3	7.0	2.5	--			

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, 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