

Hospital Stays due to Injuries among MA Residents¹

2015

Notice of Change:

Data presented here are **based on a national standard†** developed by the CDC to define injury surveillance cases. To improve comparisons across states, the MA Department of Public Health's Injury Surveillance Program (ISP) will be using the national definition for future analyses.

What does this mean?

Numbers and rates presented in this table are lower than previous injury tables released by the ISP. This is because ISP developed an injury definition before a national standard existed. While ISP's definition used the principal diagnosis as well as all associated diagnosis fields to identify injuries, the national definition searches only the principal diagnosis field, eliminating injury cases from other diagnosis fields.

Key Indicators	INJURY INTENT					Other/ Missing ³	Totals
	Unintentional	Self-Inflicted	Assault	Undetermined	Legal/ Terrorism ²		
Total Counts by Intent	34,382	3,064	1,253	982	17	6,141	45,839
Percent by Intent	75.0%	6.7%	2.7%	2.1%	<1%	13.4%	100.0%
Rate per 100,000 population ⁴	506.0	45.1	18.4	14.5	0.3	90.4	674.7

Injury Mechanism	INJURY INTENT					Total Counts	Percent of Total Count ⁵	Rate per 100,000 ⁴
	Unintentional	Self-Inflicted	Assault	Undetermined	Legal/ Terrorism ²			
Cut/pierce	256	182	289	<11	--	728	1.6%	10.7
Drowning/submersion	26	--	--	--	--	26	0.1%	0.4
Fall	22,795	28	<11	11	--	22,836	49.8%	336.1
Fire/flare and burns	332	<11	<11	<11		347	0.8%	5.1
Firearms	51	<11	229	<11	<11	304	0.7%	4.5
Machinery	144					144	0.3%	2.1
Natural/environmental	492	<11		15		508	1.1%	7.5
Overexertion	545					545	1.2%	8.0
Poisoning/overdoses	3,028	2,761	<11	930	--	6,722	14.7%	98.9
Struck by, against	744		440	--	--	1,190	2.6%	17.5
Suffocation ⁶	152	28	<11	--	--	190	0.4%	2.8
Transport Injuries: ⁷	3,787	<11	--	<11		3,792	8.3%	55.8
<i>Motor vehicle traffic-related</i>	<i>3,001</i>					<i>3,001</i>	<i>6.5%</i>	<i>44.2</i>
<i>MV Occupant⁸</i>	<i>1,872</i>					<i>1,872</i>	<i>4.1%</i>	<i>27.6</i>
<i>Motorcyclist</i>	<i>468</i>					<i>468</i>	<i>1.0%</i>	<i>6.9</i>
<i>Pedal Cyclist</i>	<i>107</i>					<i>107</i>	<i>0.2%</i>	<i>1.6</i>
<i>Pedestrian</i>	<i>535</i>					<i>535</i>	<i>1.2%</i>	<i>7.9</i>
<i>Other person</i>	<i>19</i>					<i>19</i>	<i>0.0%</i>	<i>0.3</i>
Pedal cyclist, non-traffic	332					332	0.7%	4.9
Pedestrian, non-traffic	39					39	0.1%	0.6
Other transport	415					415	0.9%	6.1
Other specified & classifiable	723	<11	65	<11	--	797	1.7%	11.7
Other specified, not classifiable	290	36	84	<11	<11	416	0.9%	6.1
Unspecified	1,017	<11	125	<11	--	1,153	2.5%	17.0

Data Sources: Massachusetts Inpatient Hospital Discharge and Outpatient Observation Stay Databases, Center for Health Information and Analysis (CHIA). Data are collected and reported by fiscal year (Oct. 1, 2014 - Sept. 30, 2015). "Hospital Stays" combine hospital discharges and observation stays.

Injury case definition: ICD-9-CM diagnostic codes of 800-909.2, 909.4, 909.9, 910-994.9, 995.50-995.59 or 995.80-995.85 in the principal diagnosis field. Injury mechanism/intent categories are based on the CDC *Recommended framework of E-code groupings for presenting injury mortality and morbidity data*. Gray cells indicate that there are no ICD codes for this category.

† <https://cdn.ymaws.com/www.safestates.org/resource/resmgr/imported/HospitalDischargeData.pdf>

1) Includes MA residents treated at a MA acute care hospital; deaths were excluded. Counts represent the number of injury-related hospital stays rather than the number of individuals treated. Per data confidentiality guidelines, counts less than 11 (0 - 10) are indicated with <11 and complimentary cells that allow calculation of small counts are suppressed (indicated by "--").

2) Includes injuries resulting from legal intervention such as police actions, terrorism and war.

3) Includes adverse effects of medical or surgical care or the use of therapeutic substances.

4) Crude rates per 100,000 MA residents are based on the 2015 postcensal estimate of 6,794,422 (U.S. Census Bureau).

5) Total will not sum to 100% as other and missing intents are not presented in this table.

6) Includes asphyxiation and hanging.

7) Transport includes several motor vehicle traffic subcategories (shown in italics). These are not included in the overall transport total.

8) Includes motor vehicle drivers, passengers and unspecified persons.