

# Hospital Stays due to Injuries among MA Residents<sup>1</sup>

# 2013

## Notice of Change:

Data presented here are **based on a national standard**<sup>†</sup> 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 <sup>3</sup>	Totals
	Unintentional	Self-Inflicted	Assault	Undetermined	Legal/ Terrorism <sup>2</sup>		
Total Counts by Intent	35,326	3,222	1,481	883	24	3,808	44,744
Percent by Intent	79.0%	7.2%	3.3%	2.0%	0.1%	8.5%	100.0%
Rate per 100,000 population <sup>4</sup>	527.8	48.1	22.1	13.2	0.4	56.9	668.5

Injury Mechanism	INJURY INTENT					Total Counts	Percent of Total Count <sup>5</sup>	Rate per 100,000 <sup>4</sup>
	Unintentional	Self-Inflicted	Assault	Undetermined	Legal/ Terrorism <sup>2</sup>			
Cut/pierce	286	166	394	<11	<11	848	1.9%	12.7
Drowning/submersion	25	<11	<11	<11	<11	26	0.1%	0.4
Fall	22,473	23	<11	<11	<11	22,512	50.3%	336.4
Fire/flame and burns	394	<11	<11	<11		409	0.9%	6.1
Firearms	38	<11	273	<11	11	337	0.8%	5.0
Machinery	168					168	0.4%	2.5
Natural/environmental	513	<11		<11		524	1.2%	7.8
Overexertion	660					660	1.5%	9.9
Poisoning/overdoses	3,084	2,946	<11	824	<11	6,855	15.3%	102.4
Struck by, against	952		474	<11	<11	1,435	3.2%	21.4
Suffocation <sup>6</sup>	170	24	<11	<11	<11	199	0.4%	3.0
Transport Injuries: <sup>7</sup>	4,241	<11	<11	<11		4,245	9.5%	63.4
<i>Motor vehicle traffic-related</i>	<i>3,286</i>					<i>3,286</i>	<i>7.3%</i>	<i>49.1</i>
<i>MV Occupant<sup>8</sup></i>	<i>2,096</i>					<i>2,096</i>	<i>4.7%</i>	<i>31.3</i>
<i>Motorcyclist</i>	<i>519</i>					<i>519</i>	<i>1.2%</i>	<i>7.8</i>
<i>Pedal Cyclist</i>	<i>125</i>					<i>125</i>	<i>0.3%</i>	<i>1.9</i>
<i>Pedestrian</i>	<i>527</i>					<i>527</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	416					416	0.9%	6.2
Pedestrian, non-traffic	51					51	0.1%	0.8
Other transport	488					488	1.1%	7.3
Other specified & classifiable	838	<11	148	<11	<11	998	2.2%	14.9
Other specified, not classifiable	356	38	59	<11	<11	459	1.0%	6.9
Unspecified	1,128	<11	113	18	<11	1,261	2.8%	18.8

**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, 2012 - Sept. 30, 2013). "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.

<sup>†</sup> <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 2013 postcensal estimate of 6,692,824 (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.