

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

# 2014

### 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 <sup>3</sup>	Totals
	Uninten- tional	Self-Inflicted	Assault	Undeter- mined	Legal/ Terrorism <sup>2</sup>		
Total Counts by Intent	35,128	3,223	1,345	899	22	4,844	45,461
Percent by Intent	77.3%	7.1%	3.0%	2.0%	0.0%	10.7%	100.0%
Rate per 100,000 population <sup>4</sup>	520.8	47.8	19.9	13.3	0.3	71.8	674.0

Injury Mechanism	INJURY INTENT					Total Counts	Percent of Total Count <sup>5</sup>	Rate per 100,000 <sup>4</sup>
	Uninten- tional	Self-Inflicted	Assault	Undeter- mined	Legal/ Terrorism <sup>2</sup>			
Cut/pierce	284	155	343	<11	<11	786	1.7%	11.7
Drowning/submersion	20	<11	<11	<11	<11	21	0.0%	0.3
Fall	22,754	20	<11	<11	<11	22,785	50.1%	337.8
Fire/flame and burns	435	<11	<11	<11		451	1.0%	6.7
Firearms	40	<11	207	<11	<11	270	0.6%	4.0
Machinery	169					169	0.4%	2.5
Natural/environmental	491	<11		14		510	1.1%	7.6
Overexertion	622					622	1.4%	9.2
Poisoning/overdoses	2,896	2,943	<11	855	<11	6,697	14.7%	99.3
Struck by, against	846		496	<11	<11	1,349	3.0%	20.0
Suffocation <sup>6</sup>	152	26	<11	<11	<11	186	0.4%	2.8
Transport Injuries: <sup>7</sup>	4,207	<11	<11	<11		4,215	9.3%	62.5
Motor vehicle traffic-related	3,258					3,258	7.2%	48.3
<i>MV Occupant<sup>8</sup></i>	2,063					2,063	4.5%	30.6
<i>Motorcyclist</i>	487					487	1.1%	7.2
<i>Pedal Cyclist</i>	139					139	0.3%	2.1
<i>Pedestrian</i>	545					545	1.2%	8.1
<i>Other person</i>	24					24	0.1%	0.4
Pedal cyclist, non-traffic	418					418	0.9%	6.2
Pedestrian, non-traffic	48					48	0.1%	0.7
Other transport	483					483	1.1%	7.2
Other specified & classifiable	771	<11	82	<11	<11	866	1.9%	12.8
Other specified, not classifiable	355	40	58	<11	<11	454	1.0%	6.7
Unspecified	1,086	<11	140	<11	<11	1,236	2.7%	18.3

**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, 2013 - Sept. 30, 2014). "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 2014 postcensal estimate of 6,745,408 (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.