

Injury-related Hospital Discharges

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 | 561 | 518 | 477 | 7 | 0 | 1,563 | 2.6 | 23.7 |
| Drowning/submersion | 21 | <7 | 0 | <7 | | 24 | 0.0 | 0.4 |
| Fall | 27,277 | 36 | <7 | 10 | | 27,329 | 46.0 | 414.2 |
| Fire/burn | 472 | 17 | <7 | 11 | | 504 | 0.8 | 7.6 |
| <i>Fire/flame</i> | 171 | 16 | <7 | 10 | | 198 | 0.3 | 3.0 |
| <i>Hot object/substance burn</i> | 301 | <7 | <7 | <7 | | 306 | 0.5 | 4.6 |
| Firearms | 27 | 8 | 268 | 8 | 7 | 318 | 0.5 | 4.8 |
| Machinery | 199 | | | | | 199 | 0.3 | 3.0 |
| Natural/environmental | 1,127 | <7 | | 8 | | 1,139 | 1.9 | 17.3 |
| <i>Dog bites</i> | 164 | 0 | | 0 | | 164 | 0.3 | 2.5 |
| <i>Other bites & stings</i> | 528 | 0 | | 0 | | 528 | 0.9 | 8.0 |
| <i>All other</i> | 435 | <7 | | 8 | | 447 | 0.8 | 6.8 |
| Overexertion | 1,018 | | | | | 1,018 | 1.7 | 15.4 |
| Poisoning | 2,497 | 3,231 | <7 | 594 | 0 | 6,324 | 10.7 | 95.8 |
| Struck by, against | 1,184 | | 652 | | 10 | 1,846 | 3.1 | 28.0 |
| Suffocation/hanging | 542 | 46 | <7 | 0 | | 591 | 1.0 | 9.0 |
| Transport Injuries: | 4,753 | 13 | 8 | <7 | | 4,776 | 8.0 | 72.4 |
| <i>Motor vehicle traffic-related</i> | 3,720 | 13 | 8 | <7 | | 3,743 | 6.3 | 56.7 |
| <i>Occupant</i> | 2,375 | | | | | 2,375 | 4.0 | 36.0 |
| <i>Motorcyclist</i> | 515 | | | | | 515 | 0.9 | 7.8 |
| <i>Pedal Cyclist</i> | 108 | | | | | 108 | 0.2 | 1.6 |
| <i>Pedestrian</i> | 558 | | | | | 558 | 0.9 | 8.5 |
| <i>Other person</i> | 25 | | | | | 25 | 0.0 | 0.4 |
| <i>Unspecified person</i> | 139 | | | | | 139 | 0.2 | 2.1 |
| <i>Pedal cyclist, other</i> | 416 | | | | | 416 | 0.7 | 6.3 |
| <i>Pedestrian, other</i> | 54 | | | | | 54 | 0.1 | 0.8 |
| <i>Other transport</i> | 563 | | | | | 563 | 0.9 | 8.5 |
| Other specified & classifiable | 2,513 | <7 | 206 | 0 | 0 | 2,724 | 4.6 | 41.3 |
| <i>Human bites</i> | 36 | 0 | 53 | 0 | 0 | 89 | 0.1 | 1.3 |
| <i>Non-powder guns</i> | 10 | <7 | <7 | 0 | 0 | 18 | 0.0 | 0.3 |
| <i>Other specified & classifiable</i> | 2,467 | <7 | 147 | 0 | 0 | 2,617 | 4.4 | 39.7 |
| Other specified, not classifiable | 948 | 106 | 269 | 92 | 24 | 1,439 | 2.4 | 21.8 |
| Unspecified | 3,337 | 18 | 138 | 40 | <7 | 3,538 | 6.0 | 53.6 |
| Adverse effects ³ | -- | -- | -- | -- | -- | 3,059 | 5.2 | 46.4 |
| Cause and Intent are not provided | -- | -- | -- | -- | -- | 3,055 | 5.1 | 46.3 |
| TOTALS⁴ | 46,476 | 4,004 | 2,033 | 773 | 46 | 59,446 | 100 | 901.0 |
| RATE BY INTENT/per 100,000 | 704.4 | 60.7 | 30.8 | 11.7 | 0.7 | | | |

Source: Massachusetts Hospital Discharge 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 Counts less than 7 are suppressed and rates are not calculated. Rates that are based on counts less than twenty may be unstable.

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 percentage may be less or more than 100% due to rounding, but is presented here as 100%.

—An injury hospitalization 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)]

—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.

—Only Massachusetts residents are included in this analysis.

—Injury hospitalization cases transferred to another acute care facility or subsequently dying in the hospital, are excluded from this analysis.

—Population data used to calculate rates are based on 2008 population estimates by the US Census Bureau. Estimated 2008 Massachusetts population is 6,597,842. Rates are per 100,000 residents.

—Data were extracted and compiled by the Injury Surveillance Program, Bureau of Health Information, Statistics, Research & Evaluation, MDPH, October 2009.

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