

# 2008

## Injury-related Emergency Dept. Visits MA Children, Ages 1-14 Years

There were **127,496** injury-related emergency department (ED) visits among Massachusetts children between the ages of 1-14 years in FY2008. Approximately\* 1 in 9 children in this age group suffered an injury. Fall was the leading cause of injury followed by struck-by or against an object.

| INJURY CAUSE                         | INJURY INTENT  |                |              |              |               | Total Count    | Percent of Total Count | Crude Rate per 100,000 |
|--------------------------------------|----------------|----------------|--------------|--------------|---------------|----------------|------------------------|------------------------|
|                                      | Unintentional  | Intentional    |              | Undetermined | Other & Legal |                |                        |                        |
|                                      |                | Self-inflicted | Assault      |              |               |                |                        |                        |
| Cut/pierce                           | 8,202          | 186            | 33           | 12           | 0             | 8,433          | 6.6                    | 749.5                  |
| Drowning/submersion                  | 45             | 0              | 0            | 0            |               | 45             | 0.0                    | 4.0                    |
| Fall                                 | 42,179         | <7             | <7           | 9            |               | 42,194         | 33.1                   | 3,750.3                |
| Fire/flame & hot substance burn      | 1,584          | <7             | <7           | 8            |               | 1,596          | 1.3                    | 141.9                  |
| Firearms                             | <7             | <7             | <7           | 0            | <7            | 10             | 0.0                    | 0.9                    |
| Machinery                            | 85             |                |              |              |               | 85             | 0.1                    | 7.6                    |
| Natural/environmental                | 6,485          | 0              |              | 0            |               | 6,485          | 5.1                    | 576.4                  |
| <i>Dog bites</i>                     | 1,718          | 0              |              | 0            |               | 1,718          | 1.3                    | 152.7                  |
| <i>Other bites &amp; stings</i>      | 4,327          | 0              |              | 0            |               | 4,327          | 3.4                    | 384.6                  |
| <i>All other (e.g. extreme cold)</i> | 440            | 0              |              | 0            |               | 440            | 0.3                    | 39.1                   |
| Overexertion                         | 10,704         |                |              |              |               | 10,704         | 8.4                    | 951.4                  |
| Poisoning                            | 1,672          | 133            | <7           | 146          | <7            | 1,953          | 1.5                    | 173.6                  |
| Struck by, against                   | 30,621         | 0              | 702          | 0            | 10            | 31,333         | 24.6                   | 2,784.9                |
| Suffocation/hanging                  | 170            | <7             | <7           | 0            |               | 176            | 0.1                    | 15.6                   |
| Transport Injuries:                  | 7,902          | 0              | 0            | <7           | 0             | 7,903          | 6.2                    | 702.4                  |
| <i>Motor vehicle traffic-related</i> | 3,696          |                |              |              |               | 3,696          | 2.9                    | 328.5                  |
| <i>Occupant</i>                      | 2,851          |                |              |              |               | 2,851          | 2.2                    | 253.4                  |
| <i>Motorcyclist</i>                  | 56             |                |              |              |               | 56             | 0.0                    | 5.0                    |
| <i>Pedal cyclist</i>                 | 174            |                |              |              |               | 174            | 0.1                    | 15.5                   |
| <i>Pedestrian</i>                    | 467            |                |              |              |               | 467            | 0.4                    | 41.5                   |
| <i>Other person</i>                  | 23             |                |              |              |               | 23             | 0.0                    | 2.0                    |
| <i>Unspecified person</i>            | 125            |                |              |              |               | 125            | 0.1                    | 11.1                   |
| <i>Pedal cyclist, other</i>          | 3,440          |                |              |              |               | 3,440          | 2.7                    | 305.8                  |
| <i>Pedestrian, other</i>             | 66             |                |              |              |               | 66             | 0.1                    | 5.9                    |
| <i>Other transport</i>               | 700            |                |              |              |               | 700            | 0.5                    | 62.2                   |
| Other specified & classifiable       | 7,903          | 0              | 227          | <7           | 0             | 8,136          | 6.4                    | 723.1                  |
| Other specified, not classifiable    | 1,587          | 71             | 183          | 39           | 0             | 1,880          | 1.5                    | 167.1                  |
| Unspecified                          | 5,169          | 13             | 134          | 135          | 0             | 5,451          | 4.3                    | 484.5                  |
| Adverse Effects                      |                |                |              |              |               | 109            | 0.1                    | 9.7                    |
| No cause or intent provided          |                |                |              |              |               | 1,003          | 0.8                    | 89.1                   |
| <b>TOTALS</b>                        | <b>124,312</b> | <b>410</b>     | <b>1,294</b> | <b>356</b>   | <b>12</b>     | <b>127,496</b> | <b>100</b>             | <b>11,332.1</b>        |
| Injury ED Visit Rate by Intent       | 11,049.1       | 36.4           | 115.0        | 31.6         | 1.1           | n/a            | n/a                    | n/a                    |

Source: MA Emergency Department Discharge Database, MA Division of Health Care, Finance and Policy.

—Analysis is based on a fiscal year (Oct 1, 2007 - Sep 30, 2008).

—Rates are per 100,000 residents. Rates provided here are not age-adjusted and may differ slightly from other department publications.

Rates are not calculated on counts of less than five. Rates that are based on counts less than twenty may be unstable.

—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.

\* Does not exclude persons who may have been treated more than once for the same injury.

Data prepared by the Injury Surveillance Program, Bureau of Health Information, Statistics, Research and Evaluation, Massachusetts Department of Public Health.

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