State Injury Indicators and Special Emphasis Report Tools

Preparing for Core Funding #3: Epidemiology and Surveillance Capacity Webinar

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Wednesday, January 28, 2015
2:00 - 3:30 PM
Core VIPP Injury Surveillance Tools

- State Injury Indicators
  - Standardization of injury surveillance methods

- Special Emphasis Report Tools
  - Movement of injury surveillance data into action
  - Partnership building tool

- Basic injury data infrastructure
  - Mortality
  - Hospitalization
  - Emergency Department
Injury Indicators

Components

- Guidance document
- Rate calculation spreadsheets
  - Mortality
  - Hospitalization
  - Emergency Department
- Data review cycle
Special Emphasis Reports

State Special Emphasis Report
Instructions for Infant and Early Childhood Injury Data

State Special Emphasis Report
Instructions for Drug Overdose Death Data

State Special Emphasis Report
Instructions for Traumatic Brain Injury Data


 Childhood Injury is a Major Public Health Problem

Injuries are a major public health problem across the nation and in Massachusetts (MA). Infant and early childhood injury events are not isolated random events. Most injuries follow predictable causal patterns and the transmission of specific vulnerabilities.

In 2012, a total of 12,143 children died in a result of an injury. In addition to these deaths, there were 7,118 hospitalizations, or a ratio of 29 per 100,000 MA children ages 0 to 14 treated in a hospital emergency department (ED). There were 1,220 ED visits per 100,000 MA children ages 0-14. These are estimates from the National Hospital Ambulatory Medical Care Survey (NHAMCS). In 2012, there were nearly 7,300 ED visits for Massachusetts children ages 0-14 resulting in an average of 1,294 visits to an ED each year.

Figure 1. Annual Injuries among Children Ages 0-14 Years, Massachusetts, 2012

Figure 2. Hospitalization by Injury Type, Massachusetts, 2012


A Public Health Crisis Continues

In 2012, drug overdoses death rates have increased across the state. The drug overdose death rate has reached a high in the past two years. The overdose death rate in 2012 was 34.8 per 100,000 persons.

Figure 3. Drug overdose deaths by state, 2009-2012

Drugs Caused 9 out of 10 Poisoning Deaths

In 2012, drug overdose deaths were the leading cause of infant deaths. The most common drugs involved were alcohol, prescription drugs, and illicit drugs. These drugs are a significant public health problem and can lead to death.

Table 1. Drug poisoning deaths, among persons and suicides, Colorado residents, 2012

<table>
<thead>
<tr>
<th>Drug Type</th>
<th>Deaths</th>
<th>Percent of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol</td>
<td>35</td>
<td>17.9</td>
</tr>
<tr>
<td>Prescription Drugs</td>
<td>40</td>
<td>21.6</td>
</tr>
<tr>
<td>Illicit Drugs</td>
<td>45</td>
<td>24.3</td>
</tr>
<tr>
<td>Suicide</td>
<td>85</td>
<td>46.2</td>
</tr>
</tbody>
</table>

Additional data is provided in the report.

Utah Special Emphasis Report: Traumatic Brain Injury 2012

Understanding TBI

TBI is a leading cause of death and permanent disability. Among adults, TBI is the leading cause of death and disability. Among children and adolescents, TBI remains the leading cause of death and disability. TBI is a result of head impact, which results in a disruption of brain function. TBI can be caused by a variety of factors, including falls, motor vehicle accidents, and sports injuries.
Special Emphasis Report on Infant and Early Childhood Injury

Components

- Guidance document
- Report templates
- Alternate image file
Special Emphasis Report on Traumatic Brain Injury

Components

- Guidance document
- Report templates
- Rate calculation spreadsheets
Special Emphasis Report on Drug Overdose Deaths

Components
- Guidance document
- Report templates
- Rate calculation spreadsheet
- Alternate figures spreadsheet
- “Issues to consider when analyzing ICD-10 coded data on drug poisoning (overdose) deaths” document excerpt
- US comparison spreadsheet
Special Emphasis Report on Fall Injuries Among Older Adults

Components

- Guidance document
- Report templates
- To Be Determined
To obtain the most current versions of the SII and Special Emphasis Report tools please contact:

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