Unintentional injuries and violence are the leading causes of death, hospitalization, and disability for children ages 1-18. This fact sheet provides a state snapshot of data on the injury-related Maternal and Child Health Block Grant National Performance Measures and Health Status Indicators, with a special focus on disparities based on race, gender, and rural/urban residence. The fact sheet is intended to be a helpful and easy-to-use tool for needs assessments, planning, program development, and presentations.

The Children’s Safety Network (CSN) National Injury and Violence Prevention Resource Center, funded by the Maternal and Child Health (MCH) Bureau, works with states to utilize a science-based, public health approach for injury and violence prevention (IVP). CSN is available to provide information and technical assistance on injury surveillance and data; needs assessments; best practices; and the design, implementation, and evaluation of programs to prevent child and adolescent injuries.

**Major Causes of Injury Death**
Understanding injury rankings among other causes of death is important in determining their physical and economic role in each state. Knowing what types of injuries cause the majority of deaths and hospitalizations can inform program planning and development efforts. Table 1 shows the top 5 causes of death by age group in the state. Unintentional and intentional injury deaths are highlighted. Table 2 shows the top 5 causes of injury death by age group in the state. Intentional injury deaths are highlighted.

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Table 1: Leading Causes and Total 5-Year Incidence of Deaths by Age Group, Wyoming, 2004-2008

<table>
<thead>
<tr>
<th>Rank</th>
<th>Cause</th>
<th>Age Groups</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>&lt;1</td>
</tr>
<tr>
<td>1</td>
<td>Congenital Anomalies</td>
<td>Unintentional Injury</td>
</tr>
<tr>
<td>2</td>
<td>SIDS</td>
<td>Homicide</td>
</tr>
<tr>
<td>2</td>
<td>SIDS</td>
<td>Homicide</td>
</tr>
<tr>
<td>3</td>
<td>Short Gestation</td>
<td>Malignant Neoplasms</td>
</tr>
<tr>
<td>4</td>
<td>Unintentional Injury</td>
<td>Influenza &amp; Pneumonia</td>
</tr>
<tr>
<td>5</td>
<td>Placenta Cord Membranes</td>
<td>Benign Neoplasms</td>
</tr>
</tbody>
</table>

*Note: **** indicates that the cell values range from 1-9 and are suppressed for data confidentiality purposes. *, For ages 5-9, five mechanisms were tied for the fifth through seventh ranking including Chronic Lower Respiratory Disease, Heart Disease, Influenza & Pneumonia, Perinatal Period, and Shigellosis. Each of these mechanisms had fewer than 10 deaths.*

Table 1 Source: WISQARS Leading Causes of Death Reports, 2004-2008.
Childhood injury is also a leading cause of morbidity. Table 3 provides information from the state's hospital discharge data on the leading causes and incidence of hospital admissions by age group.

**Table 2. Leading Causes and Total 5-Year Incidence of Injury Deaths by Age Group, Wyoming, 2004-2008.**

<table>
<thead>
<tr>
<th>Rank</th>
<th>&lt;1</th>
<th>1-4</th>
<th>5-9</th>
<th>10-14</th>
<th>15-19</th>
<th>20-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Suffocation 17</td>
<td>Three Tied*</td>
<td>Drowning ****</td>
<td>MV Traffic 10</td>
<td>MV Traffic 77</td>
<td>MV Traffic 109</td>
</tr>
<tr>
<td>2</td>
<td>Homicide ****</td>
<td>Drowning ****</td>
<td>MV Traffic ****</td>
<td>Suicide ****</td>
<td>Suicide 29</td>
<td>Suicide 43</td>
</tr>
<tr>
<td>3</td>
<td>MV Traffic ****</td>
<td>Pedestrian, Other ****</td>
<td>Other Land Transport ****</td>
<td>Suffocation ****</td>
<td>Fall ****</td>
<td>Homicide 13</td>
</tr>
<tr>
<td>4</td>
<td>Drowning ****</td>
<td>Suffocation ****</td>
<td>Fall ****</td>
<td>Suffocation ****</td>
<td>Homicide ****</td>
<td>Poisoning ****</td>
</tr>
<tr>
<td>5</td>
<td>Poisoning ****</td>
<td>Unspecified ****</td>
<td>Other Specified, Classifiable ****</td>
<td>Other Transport ****</td>
<td>Drowning ****</td>
<td>Drowning ****</td>
</tr>
</tbody>
</table>

Note: *For ages 1-4, three mechanisms were tied for the first ranking including Fire/Burn, MV Traffic and Homicide. Each of these mechanisms had 10 or fewer cases. All mechanisms of suicide and homicide were combined according to intent. Each listed mechanism is unintentional except those otherwise noted. **** = indicates that the cell values range from 1-10 and are suppressed for data confidentiality purposes.

**Table 3: Leading Causes and Annual Incidence of Hospital-Admitted Injuries by Age Group, Wyoming Residents, 2009.**

<table>
<thead>
<tr>
<th>Rank</th>
<th>&lt;1</th>
<th>1-4</th>
<th>5-9</th>
<th>10-14</th>
<th>15-19</th>
<th>20-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Unintentional Other Specified, NEC *</td>
<td>Unintentional Poisoning 14</td>
<td>Unintentional Fall 18</td>
<td>Unintentional Fall 17</td>
<td>Self-Inflicted 57</td>
<td>Self-Inflicted 70</td>
</tr>
<tr>
<td>2</td>
<td>Assault *</td>
<td>Unintentional Fall *</td>
<td>Unintentional MVT *</td>
<td>Unintentional T/O 14</td>
<td>Self-Inflicted 14</td>
<td>Unintentional MVT 50</td>
</tr>
<tr>
<td>3</td>
<td>Unspecified *</td>
<td>Unspecified *</td>
<td>Unintentional Transport, Other *</td>
<td>Unintentional MVT 12</td>
<td>Unspecified 31</td>
<td>Unspecified 29</td>
</tr>
<tr>
<td>4</td>
<td>Three Tied ***</td>
<td>Unintentional Bites &amp; Stings *</td>
<td>Unspecified *</td>
<td>Unspecified *</td>
<td>Unintentional Fall 20</td>
<td>Assault 28</td>
</tr>
<tr>
<td>5</td>
<td>—</td>
<td>Unintentional Fire/Burn *</td>
<td>Unintentional Struck By/Against *</td>
<td>Unintentional Struck By/Against *</td>
<td>Unintentional Transport, Other 19</td>
<td>Unintentional Transport, Other 21</td>
</tr>
</tbody>
</table>

Note: MVT = Motor Vehicle Traffic. NEC = Not Elsewhere Classifiable. T/O = Transport, Other. * = indicates that the cell value ranges from 1-10 and is suppressed for data confidentiality purposes. **Three mechanisms were tied for the fourth ranking among infants younger than 1 including Unintentional Fall and Poisoning, and Undetermined Other Specified, NEC. Source: Children’s Safety Network Economics and Data Analysis Resource Center (CSN EDARC), at Pacific Institute for Research and Evaluation (PIRE). Calverton, MD. January 2012. Incidence based on 2009 data from the state and obtained from the Wyoming State Inpatient Databases (SID), Healthcare Cost and Utilization Project (HCUP), Agency for Healthcare Research and Quality (AHRQ). These injuries exclude patients who were dead at the time of discharge, readmission cases, transfers (e.g., from another short or long-term care facility, different acute care hospital), medical misadventures, and/or who suffered non-acute injuries. All counts were based on the patients’ state of residence.
National Performance Measures
The Federal Maternal and Child Health Bureau Block Grant program requires State MCH programs to report on 18 National Performance Measures (NPM), two of which directly address injuries. NPM #10 addresses the rate of deaths to children aged 14 years and younger caused by motor vehicle crashes per 100,000 children. NPM #16 addresses the rate of suicide deaths among youths aged 15-19.

The following figures provide information related to NPMs #10 and #16.

NPM 10: Reducing Unintentional Motor Vehicle Deaths to Children Ages 0-14:

Figure 1: The Rate of Deaths to Children Aged 14 Years and Younger Caused by Motor Vehicle Crashes per 100,000 Children, Wyoming and US, 2003-2007

Figure 1 Source: WISQARS Fatal Injury Reports, 2004-2008 and WISQARS Injury Mortality Reports, 2003-2007
60% of children ages 0-14 involved in a motor vehicle fatality were occupants.

Note: Unspecified/Other primarily includes cases where a child fatality was coded as an unspecified motor-vehicle accident or a collision between specified motor vehicles, among others.
In the state of Wyoming from 2004 to 2008, the rate of motor vehicle crash involved fatalities for males age 15-19 was 57 percent higher than for females age 15-19.

Data are only reported for urban areas that exist within the state. In addition, data for some age groups and areas are not reported due to few or no deaths.

Figure 4 Source: WISQARS Fatal Injury Reports, 2004-2008 and WISQARS Injury Mortality Reports, 2003-2007

Figure 5 Source: CDC WONDER Multiple Cause of Death data, 2003-2007 and Urban-Rural Definition Classification System

NPM 16: Reducing Suicide Deaths Among Teens Ages 15-19:

Figure 6 Source: WISQARS Fatal Injury Reports, 2004-2008 and WISQARS Injury Mortality Reports, 2003-2007
72% of youth ages 15-19 completed suicide by using a firearm.

Note: Unspecified/Other includes all self-inflicted fatal injuries in which the mechanism was not identified or the coded mechanism was other than those named in the pie chart.

Figure 7 Source: WISQARS Fatal Injury Reports, 2004-2008 and WISQARS Injury Mortality Reports, 2003-2007

Figure 8 & 9 Source: Youth Online: High School Youth Risk Behavior Survey (YRBS), 2003-2009
Figure 10 Source: WISQARS Injury Mortality Reports, 2003-2007

Figure 11 Source: WISQARS Fatal Injury Reports, 2004-2008 and WISQARS Injury Mortality Reports, 2003-2007

In the state of Wyoming from 2004 to 2008, the rate of suicide deaths for males age 15-19 is 1.9 times higher than for females age 15-19.

Data for Figure 12:
The Rate (per 100,000) of Completed Suicides by Urbanicity is not available.
IVP Health Status Indicators

The Maternal and Child Health Bureau requires every state to report on 12 Health Status Indicators. Six of the indicators are related to IVP. The two figures below reflect the data reported for the IVP Health Status Indicators by the state in their Maternal and Child Health Block Grant Application Form 17, 2011.

Figures 13 & 14 Source: HRSA, Title V Information System Multi-Year Report
State Specific Performance Measures and Priority Needs
Each state develops up to 7 – 10 State Performance Measures and priority needs. The following provides information about the states’ selected 2012 injury-related performance measures and priority needs.

State Performance Measures:
Wyoming has the following injury-related State Performance Measures:
• To reduce the percent of teens reporting that they were hit, slapped, or physically hurt by a boyfriend/girlfriend.
• To reduce the percent of deaths in children and youth ages 1-24 due to unintentional injuries.

Priority Needs:
Wyoming has the following injury-related priority needs:
• Reduce the rate of unintentional injury among children and adolescents.
• Design and implement initiatives that address sexual and dating violence.

This fact sheet presents a cursory review of the injury morbidity and mortality data available for the state. The figures and tables in this fact sheet can help you understand the state’s progress in addressing motor vehicle traffic injuries and suicide. To target and address these and other injury issues, it is critical to understand this data. CSN can assist you in conducting detailed data analyses, utilizing surveillance systems, and undertaking needs assessments. For assistance, contact the Children's Safety Network at csninfo@edc.org.

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Need TA? Have Questions? E-mail: csninfo@edc.org

CSN is funded by the Health Resources and Services Administration’s Maternal and Child Health Bureau (U.S. Department of Health and Human Services). A project of the Education Development Center, Inc.

January 2012