10 Leading Causes of Injury Deaths by Age Group Highlighting Unintentional Injury Deaths, United States – 2014

<table>
<thead>
<tr>
<th>Rank</th>
<th>Age Groups</th>
<th>&lt;1</th>
<th>1-4</th>
<th>5-9</th>
<th>10-14</th>
<th>15-24</th>
<th>25-34</th>
<th>35-44</th>
<th>45-54</th>
<th>55-64</th>
<th>65+</th>
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<tbody>
<tr>
<td>1</td>
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<td>Unintentional Suffocation 991</td>
<td>Unintentional Drowning 388</td>
<td>Unintentional MV Traffic 345</td>
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<td>Unintentional Poisoning 9,334</td>
<td>Unintentional Poisoning 11,009</td>
<td>Unintentional Poisoning 7,013</td>
<td>Unintentional Poisoning Fall 27,044</td>
<td>Unintentional Poisoning 42,032</td>
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<td>Homicide Unspecified 119</td>
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<td>Homicide Firearm 3,587</td>
<td>Unintentional MV Traffic 5,856</td>
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<td>Unintentional MV Traffic 5,024</td>
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<td>Homicide Unspecified 149</td>
<td>Homicide Firearm 174</td>
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<td>Unintentional MV Traffic 61</td>
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<td>Homicide Firearm 58</td>
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<td>Unintentional Drowning 185</td>
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<td>Unintentional Fire/Burn 49</td>
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<td>Unintentional Other Land Transport 49</td>
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<td>Homicide Cut/Pierce 430</td>
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<td>Unintentional Drowning 363</td>
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<td>10</td>
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<td>Unintentional Fall 285</td>
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<td>Unintentional Unspecified 530</td>
<td>Unintentional Suffocation 860</td>
<td>Unintentional Drowning 3,406</td>
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</table>

Data Source: National Center for Health Statistics (NCHS), National Vital Statistics System.
Produced by: National Center for Injury Prevention and Control, CDC using WISQARS™.

Childhood Injury Prevention Legislative Briefing
In Texas

During 2015, there were 3,351 reported motor vehicle crash fatalities that included 115 fatalities among children under the age of 15 years old. (CDC)

Correctly used car seats reduce the risk of death to infants by 71%, toddlers by 54%, and booster seats reduce the risk of serious injury for children 4-8 years by 45% when compared to seat belt use alone. (CDC)
2013 DCMC Trauma Data-MVC

N= 222/1,289 17.2%

Childhood Injury Prevention Legislative Briefing
2014 DCMC Trauma Data-MVC

N= 229/1,488
15.3%

Childhood Injury Prevention Legislative Briefing
2015 DCMC Trauma Data-MVC

N= 221/1,247 17.7%

MVC_Restraint
NONE 66
LAP/SHOULDER 63

MVC_Seatbelt
LAP/SHOULDER ONLY 11
Type UNKNOWN 10

MVC_CHILD
BOOSTER SEAT 22
CAR SEAT 27
INFANT CAR SEAT 10
UNKNOWN Restraint 12
DCMC Trauma Data (2013-2015) - MVC

N= 672/4,024
16.7%

Childhood Injury Prevention Legislative Briefing
Factors that increase injury risk

• Vehicle restraint is not used or unable to be used by occupant
• Child is using an inappropriately sized child safety seat per their height/weight
• Restraint direction is incorrect in the vehicle (i.e., rear-facing to forward-facing) per the child’s height/weight
• Child is graduated to a vehicle restraint before developmentally appropriate
High occupancy and nonuse of restraints

August 13, 2015 - Highway 183, Caldwell, TX
9 Occupants, 4 Adults, 5 Children
Child Passenger Safety Basics

• Correct child restraint for the child’s height/weight
• Correct installation of the car seat in a vehicle
• Correct direction of the car seat
• Correct use of the harness to safely restrain a child
• Protecting the airway of infant children

Protect the head, neck and spine during a crash event
Rear Facing vs. Forward Facing

![Diagram of rear facing vs. forward facing car seats]

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Childhood Injury Prevention Legislative Briefing
MVC – Lifetime cost of child occupant fatalities, Texas, 0-14 years of age (2010)

<table>
<thead>
<tr>
<th>Deaths and Type of Cost</th>
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<th>05-09</th>
<th>10-14</th>
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<tr>
<td>Mechanism</td>
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<tr>
<td>Deaths</td>
<td>--</td>
<td>10*</td>
<td>13*</td>
<td>16*</td>
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<tr>
<td>Medical Cost</td>
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<tr>
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<td>Average</td>
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<td>$18,157,000*</td>
<td>$24,255,000*</td>
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</tr>
</tbody>
</table>

Fatal Injuries, Both Sexes, Ages 0 to 14, Texas, 2010
Intent: Unintentional
Mechanism: MVT Occupant
Number of Deaths and Estimated Average and Total Lifetime Costs
Classified by Mechanism and Age Group
Costs Expressed in 2010 U.S. Prices

$55,319,000

Produced by: National Center for Injury Prevention and Control, CDC
Possible Solutions

• AAP recommendation: Require rear-facing only seats until 2 years of age, unless the child weighs at least 40 pounds or 40 inches in height.
  – Minimizes early graduation to a dangerous riding position
  – Decreases severity of crash injuries and loss of life

• Limit vehicle capacity to the manufacture recommendation, not to exceed the number of working restraints in a vehicle
THANK YOU