WHEN FUN IN THE SUN TURNS TRAGIC

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- Neither I, my spouse/partner, and/or family member had any actual or potential conflict of interest in relation to this CME activity. I agree to disclose to the audience any unlabeled or investigational use of a commercial product that I disclose.
### 10 Leading Causes of Injury Deaths by Age Group Highlighting Unintentional Injury Deaths, United States – 2015

<table>
<thead>
<tr>
<th>Rank</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>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Unintentional Suffocation 1,125</td>
<td>Unintentional Drowning 330</td>
<td>Unintentional Traffic 412</td>
<td>Unintentional Traffic 6,787</td>
<td>Unintentional Poisoning 11,231</td>
<td>Unintentional Poisoning 10,650</td>
<td>Unintentional Poisoning 11,070</td>
<td>Unintentional Poisoning 1,762</td>
<td>Unintentional Poisoning 28,488</td>
<td>Unintentional Poisoning 47,678</td>
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<tr>
<td>3</td>
<td>Homicide Other Spec., Classifiable 69</td>
<td>Unintentional Fire/Burn - 153</td>
<td>Unintentional Fire/Burn - 72</td>
<td>Unintentional Poisoning - 3,326</td>
<td>Homicide Firearm - 1,936</td>
<td>Suicide Firearm - 2,662</td>
<td>Suicide Firearm - 3,981</td>
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<td>4</td>
<td>Unintentional Fire/Burn - 153</td>
<td>Unintentional Suffocation - 121</td>
<td>Homicide Firearm - 121</td>
<td>Suicide Firearm - 3,118</td>
<td>Suicide Firearm - 2,662</td>
<td>Suicide Firearm - 3,981</td>
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<td>Unintentional Poisoning - 100</td>
<td>Unintentional Poisoning - 121</td>
<td>Unintentional Poisoning - 121</td>
<td>Suicide Firearm - 2,119</td>
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<td>6</td>
<td>Homicide Other Spec., Classifiable - 76</td>
<td>Unintentional Poisoning - 121</td>
<td>Unintentional Poisoning - 121</td>
<td>Unintentional Poisoning - 624</td>
<td>Suicide Firearm - 1,936</td>
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<td>Unintentional Poisoning - 121</td>
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**Note:** The table above shows the leading causes of injury deaths by age group for the year 2015 in the United States. The table ranks these causes based on their frequency, with the highest rank indicating the most common cause of death. The categories include unintentional suffocation, drowning, traffic accidents, poisoning, and other unintentional events.
WHO DROWNS?

- 4,000 people drown per year in the United States
- 372,000 people drown worldwide
- 90% of drowning occur in low and middle income countries
- Drowning is the leading cause of death for children aged 1-4 years of age and is in the top ten causes of death for all persons < 55 years of age
- Males still more than females
- Those with close daily contact to water
STATISTICALLY....

• Children less than 1 year drown in the bathtub
• Children 1-9 years drown in swimming pools
• Older children and adults drown in open bodies of water
RISK FACTORS

- Lack of barriers controlling exposure
- Inadequate supervision
- Poor swimming skills
- Low awareness of danger
- Alcohol
DATA ISSUES

• Under reported
• Swimming versus boating
• Recreation versus industry
• Intentional versus unintentional
PREVENTION IS KEY!!!!!!

- Awareness of risk
- Barriers and alarms
- Supervision
- Basic swimming skills
- Safe rescue
- Rapid and quality resuscitation
- Policy and regulation

Public Health Approach
REFERENCES

CDC: Unintentional Drowning, Get the Facts; http://www.cdc.gov/HomeandRecreationalSafety/Water-Safety/waterinjuries-factsheet.html

CDC Model Aquatic Health Code; http://www.cdc.gov/healthywater/swimming/pools/mahc/

CDC Racial/Ethnic disparities in fatal unintentional drowning among persons aged < 29 years – United States, 1999-2010

Wallace (2002). Evidence-based Effective strategies for preventing injuries; CDC

World Health Organization: Global report on drowning