Child Drowning

Update and Strategies in Hawaii

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Child Fatal Drowning Age Group Distribution
Hawaii 2005-2014

- Total: 49 children
- 0-4 year olds: 45%
- 5-13 year olds: 25%
- 14-17 year olds: 30%

Drowning 2nd leading cause of injury-related mortality (behind deaths to MV occupants)

21 deaths among 1 to 4 year-olds: leading cause of mortality, ahead of pedestrian (19), cancer (12), congenital anomalies (11), and homicide (11)
Child Fatal Drownings, 2005-2014: General description

- **No clear trend**
  - 3 to 8 drownings a year

- **Mostly (88%) Hawaii residents**
  - About half (53%) Oahu residents
    - Higher rates for Neighbor Island residents
    - No significant difference in environment

- **About two-thirds (65%) males**
  - 80% of the 14-17 year-olds were males

- **Almost half (45%) under 5 years of age**
  - Highest fatality rates
10 YEAR DROWNING FATALITY RATE
OAHU V. NEIGHBOR ISLANDS
2005-2014 ages 0-14 years

<table>
<thead>
<tr>
<th>Year</th>
<th>DEATHS</th>
<th>RATE/100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4Y</td>
<td>OAHU</td>
<td>20</td>
</tr>
<tr>
<td>5-9Y</td>
<td>OAHU</td>
<td>2</td>
</tr>
<tr>
<td>10-14Y</td>
<td>OAHU</td>
<td>17</td>
</tr>
<tr>
<td>TOTAL</td>
<td>OAHU</td>
<td>25</td>
</tr>
<tr>
<td>0-4Y</td>
<td>NI</td>
<td>9</td>
</tr>
<tr>
<td>5-9Y</td>
<td>NI</td>
<td>16</td>
</tr>
<tr>
<td>10-14Y</td>
<td>NI</td>
<td>21.3</td>
</tr>
<tr>
<td>TOTAL</td>
<td>NI</td>
<td>21.3</td>
</tr>
</tbody>
</table>
Hawaii Child Drowning Environment

N=49

- BATHTUB: 15
- SWIMMING POOL: 21
- RIVER/STREAM: 2
- OCEAN/SALTWATER: 7
- OTHER: 4

43% in 14-17 year age group
56% in 0-4 year age group

All but 1 in 0-4 year age group
Nonfatal drowning rates
2010-2014

Five-year rates of nonfatal drownings among children under 15 years of age in Hawaii, by county of residence
SUMMARY OF INTERPRETATION OF DATA
CHILD DROWNINGS 2005-2014 HAWAII

- DROWNING IS THE 2ND LEADING CAUSE OF INJURY-RELATED MORTALITY AMONG CHILDREN UNDER 18 YEARS OF AGE

- DROWNING IS THE LEADING CAUSE OF MORTALITY FOR 1-4 YEAR OLDS (ALL CAUSES) (reflects national stats)

- OCEAN/SALTWATER CONTINUES TO BE MOST COMMON DROWNING ENVIRONMENT

- MAUI COUNTY HAS SIGNIFICANTLY LOWER NONFATAL DROWNING RATES THAN OTHER COUNTIES (PAST 5 YEARS)