Patterns & Trends in Texas Suicide

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Environmental and Injury Epidemiology

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Objectives

- Describe patterns of suicide deaths in Texas.
- Identify current Texas suicide trends.
Definitions

*Epidemiology* is the science used by public health to study the distribution and determinants of health-related states and the application of this study to the control of health problems.

*Suicide* is death due to an injury which was intentionally inflicted upon the decedent by him/her self.
## Demographic Patterns 2005

### SEX

<table>
<thead>
<tr>
<th></th>
<th>US</th>
<th>TX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>25,907</td>
<td>1,924</td>
</tr>
<tr>
<td>Female</td>
<td>6,730</td>
<td>494</td>
</tr>
<tr>
<td>Total</td>
<td>32,637</td>
<td>2,418</td>
</tr>
</tbody>
</table>

### AGE

<table>
<thead>
<tr>
<th>AGE</th>
<th>US</th>
<th>TX</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-14</td>
<td>270</td>
<td>22</td>
</tr>
<tr>
<td>15-19</td>
<td>1,613</td>
<td>142</td>
</tr>
<tr>
<td>20-24</td>
<td>2,599</td>
<td>226</td>
</tr>
<tr>
<td>25-34</td>
<td>4,990</td>
<td>416</td>
</tr>
<tr>
<td>35-44</td>
<td>6,550</td>
<td>489</td>
</tr>
<tr>
<td>45-54</td>
<td>6,991</td>
<td>500</td>
</tr>
<tr>
<td>55-64</td>
<td>4,210</td>
<td>285</td>
</tr>
<tr>
<td>65-74</td>
<td>2,344</td>
<td>158</td>
</tr>
<tr>
<td>75+</td>
<td>3,060</td>
<td>180</td>
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</tbody>
</table>

### RACE/ETHNICITY

<table>
<thead>
<tr>
<th>RACE/ETHNICITY</th>
<th>US</th>
<th>TX</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>27,305</td>
<td>1,787</td>
</tr>
<tr>
<td>Black</td>
<td>1,953</td>
<td>157</td>
</tr>
<tr>
<td>Hispanic</td>
<td>2,188</td>
<td>434</td>
</tr>
<tr>
<td>Other</td>
<td>1,080</td>
<td>35</td>
</tr>
</tbody>
</table>

Data retrieved from WISQARS, CDC. Age-adjusted rates/100,000
## 2005 Rankings by State

<table>
<thead>
<tr>
<th>State</th>
<th>Rank</th>
<th>Rate per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States</td>
<td></td>
<td>11.0</td>
</tr>
<tr>
<td>New Mexico</td>
<td>4</td>
<td>17.7</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>11</td>
<td>14.7</td>
</tr>
<tr>
<td>Arkansas</td>
<td>13</td>
<td>14.4</td>
</tr>
<tr>
<td>Louisiana</td>
<td>34</td>
<td>11.2</td>
</tr>
<tr>
<td>Texas</td>
<td>38</td>
<td>10.6</td>
</tr>
</tbody>
</table>

Source: National Center for Health Statistics
Suicide Across the Life-Span
Texas 2003-2005

Source: Texas Department of State Health Services, Vital Statistics Unit
Suicide Across the Life-Span
Texas 2003-2005

Source: Texas Department of State Health Services, Vital Statistics Unit
Suicide Across the Life-Span
Texas

Source: Texas Department of State Health Services, Vital Statistics Unit
Suicide Across the Life-Span
by Race/Ethnicity

per 100,000

Whites

African Americans

Hispanics

Age (yrs)
Suicide Across the Life-Span
Females by Race/Ethnicity

- Whites
- African Americans
- Hispanics

per 100,000
Methods of Suicide

- Firearm: 57%
- Hanging: 21%
- Poison: 16%
- Jump: 1%
- Other: 3%
- Cut: 2%

Texas, 2003-2005. Source: Texas Department of State Health Services, Vital Statistics Unit
Methods of Suicide

Males

- Firearm: 62%
- Hanging: 22%
- Poison: 11%
- Other: 2%
- Cut: 2%
- Jump: 1%
Methods of Suicide

Females

- Firearm: 41%
- Hanging: 18%
- Poison: 35%
- Cut: 1%
- Other: 3%
- Jump: 2%
Texas Suicide Deaths
1990-2005

Age-adjusted rates per 100,000

Male

Total

Female

*2005 data are provisional. Source: Texas Department of State Health Services, Vital Statistics Unit
Texas Male Suicide Deaths
1990-2005

Age-adjusted rates per 100,000

White

Hispanic

African-American

Source: Texas Department of State Health Services, Vital Statistics Unit
Texas Female Suicide Deaths

Age-adjusted rates per 100,000

Source: Texas Department of State Health Services, Vital Statistics Unit
Texas Suicide Deaths
Males 10-14 yrs

per 100,000


Whites

Hispanic

AA
Texas Female Suicide Deaths
10-14 years

*2005 data are provisional. Source: Texas Department of State Health Services, Vital Statistics Unit
Texas Suicide Deaths
Males 15-19 years

per 100,000

Whites
Hispanics
African Americans

Texas Female Suicide Deaths
15-19 years

*2005 data are provisional. Source: Texas Department of State Health Services, Vital Statistics Unit
Texas youth who attempted suicide 2007
Youth who attempted suicide

Year

Percent
Medical intervention for TX youth suicide attempts 2007
Texas Female Suicide Deaths
35-44 years

*2005 data are provisional. Source: Texas Department of State Health Services, Vital Statistics Unit
Texas Female Suicide Deaths
45-54 years

*2005 data are provisional.  Source: Texas Department of State Health Services, Vital Statistics Unit
Texas Suicide Deaths
Males 75+ years

per 100,000

Whites
Hispanics
African Americans

Texas Female Suicide Deaths
75+ years

per 100,000

Whites

African Americans

Hispanics

*2005 data are provisional.  Source: Texas Department of State Health Services, Vital Statistics Unit
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