Background

◆ National Violent Death Reporting System
  - CDC Grant since 2003 – Oklahoma began in 2004
  - 32 States
    ◆ 14 states added in 2014
  - Data sources
    ◆ Required – Medical Examiner reports, death certificates, law enforcement reports
    ◆ Optional
      - Supplementary homicide reports, newspapers, hospital, crime lab report, EMS report
  ◆ Optional data collection modules
    - Child fatality review
    - Intimate Partner Violence
    - Overdose
NVDRS Data Collection

- Document based
- Web-based Data Collection System
  - Death certificate data electronically imported
  - ME, PR, CFR data entered by hand
- NVDRS Coding Guidelines
  - Case definitions
  - Variables
  - Document specific
OVDRS Data Collection

- Data collected from each data source
  - Victims and suspects
    - Demographics
    - Drug/alcohol
  - Relationships
  - Event narratives
  - Circumstances
    - Suicide - Mental health, physical health problem, history
    - Homicide - Intimate partner violence, drugs, gang-related
    - Unintentional firearm – context and mechanism of injury
  - Weapons
    - Type, caliber, gauge, owner, etc.
## Examples of Unique Elements of Each Data Source

<table>
<thead>
<tr>
<th>Law Enforcement</th>
<th>Vital Statistics</th>
<th>Medical Examiner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suspect data</td>
<td>Work-related injuries/ Occupation and industry</td>
<td>Toxicology testing (drug and alcohol information)</td>
</tr>
<tr>
<td>Weapon information</td>
<td>Education level</td>
<td>Premise and type of injury</td>
</tr>
<tr>
<td>Risk factors/ Past criminal history</td>
<td>Demographics including birth information</td>
<td>Medical history and manner of death</td>
</tr>
</tbody>
</table>

Combine unique elements from all data sources for a comprehensive picture of violent deaths statewide.
Cases Included in OKVDRS

- Homicides
- Suicides
- Undetermined Manner Deaths
- Unintentional Firearm Injury Deaths
- Legal Interventions
- Terrorism Deaths
Data Dissemination

- Annual Summary of Violent Deaths
- *Injury Updates* - very detailed special topic report
- *OKVDRS Brief Report* – more reader friendly than *Injury Update*
- Quarterly updates to data contributors
- Journal publications
- CDC Success Stories
- Special data requests
- News releases
OKVDRS Suicide Case Definition

- Manner of death ruled as *suicide*
- ICD-10 Underlying cause of death
  - Intentional self harm, X60-X84, Y87.0 (more than one year after injury)
- “A death resulting from the intentional use of force against oneself. A preponderance of evidence should indicate that the use of force was intentional.”
Suicide Data

- **Vital Records (death certificates)**
  - OK2Share (Oklahoma Statistics on Health Available for Everyone)
  - WISQARS (Web-based Injury Statistics Query and Reporting System)
- Medical Examiner reports (ME)
- Hospital Discharge Data – OK2Share
Suicide Data

- Oklahoma Violent Death Reporting System
  - Combines Vital Records, ME, and law enforcement reports into one comprehensive database
    - Demographics
    - Injury and death
    - Circumstances
    - Weapons
    - Suspects
    - Toxicology
Suicide in the United States

- In the U.S, suicide is the 10th leading overall cause of death with 41,149 deaths in 2013.
- In the U.S., an average suicide costs nearly $1.2 million a year in medical and work lost (CDC, 2010 U.S. Prices)
  - This amounts to $44.7 billion annually nationally
    - $778 million in medical and work loss cost in Oklahoma
Suicide in Oklahoma

- Most common type of violent death
- From 2004-2013, 5,873 suicide deaths
  - Annual rate = 23.1 per 100,000 population
  - Estimated 599 deaths per year
  - Average age = 45.1 years (range, 9 – 101)
  - 79% male, 21% female

Oklahoma Violent Death Reporting System
# 10 Leading Causes of Death by Age, Oklahoma, 2004-2013

<table>
<thead>
<tr>
<th>Age Groups</th>
<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>All Ages</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Congenital Anomalies</td>
<td>943</td>
<td>Unintentional Injury</td>
<td>327</td>
<td>Unintentional Injury</td>
<td>240</td>
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<td>200</td>
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<td>2,522</td>
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<td>2</td>
<td>Short Gestation</td>
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<td>Malignant Neoplasms</td>
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<td>SIDS</td>
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<td>Homicide</td>
<td>27</td>
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<td>52</td>
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<td>592</td>
<td>Malignant Neoplasms</td>
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<tr>
<td>4</td>
<td>4</td>
<td>Maternal Pregnancy Comp.</td>
<td>139</td>
<td>Malignant Neoplasms</td>
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<td>Congenital Anomalies</td>
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<td>Homicide</td>
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<td>Heart Disease</td>
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<td>5</td>
<td>5</td>
<td>Unintentional Injury</td>
<td>129</td>
<td>Influenza &amp; Pneumonia</td>
<td>30</td>
<td>Chronic Low. Respiratory Disease</td>
<td>12</td>
<td>Congenital Anomalies</td>
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<td>Heart Disease</td>
<td>145</td>
<td>Malignant Neoplasms</td>
</tr>
<tr>
<td>6</td>
<td>6</td>
<td>Bacterial Sepsis</td>
<td>120</td>
<td>Heart Disease</td>
<td>24</td>
<td>Cerebrovascular</td>
<td>---</td>
<td>Heart Disease</td>
<td>16</td>
<td>Congenital Anomalies</td>
<td>54</td>
<td>Diabetes Mellitus</td>
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<tr>
<td>7</td>
<td>7</td>
<td>Placenta Cord Membranes</td>
<td>108</td>
<td>Septicemia</td>
<td>13</td>
<td>Heart Disease</td>
<td>---</td>
<td>Influenza &amp; Pneumonia</td>
<td>14</td>
<td>Complicated Pregnancy</td>
<td>44</td>
<td>Cerebrovascular</td>
</tr>
<tr>
<td>8</td>
<td>8</td>
<td>Respiratory Distress</td>
<td>103</td>
<td>Benign Neoplasms</td>
<td>11</td>
<td>Influenza &amp; Pneumonia</td>
<td>---</td>
<td>Chronic Low. Respiratory Disease</td>
<td>11</td>
<td>Influenza &amp; Pneumonia</td>
<td>37</td>
<td>Liver Disease</td>
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<td>9</td>
<td>9</td>
<td>Circulatory System Disease</td>
<td>82</td>
<td>Cerebrovascular</td>
<td>10</td>
<td>Benign Neoplasms</td>
<td>---</td>
<td>Cerebrovascular</td>
<td>---</td>
<td>Diabetes Mellitus</td>
<td>34</td>
<td>Influenza &amp; Pneumonia</td>
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<tr>
<td>10</td>
<td>10</td>
<td>Necrotizing Enterocolitis</td>
<td>72</td>
<td>Perinatal Period</td>
<td>---</td>
<td>Septicemia</td>
<td>---</td>
<td>Septicemia</td>
<td>---</td>
<td>Chronic Low. Respiratory Disease</td>
<td>31</td>
<td>HIV</td>
</tr>
</tbody>
</table>
Gender-Specific Suicide and Homicide Rates, Oklahoma, 2004-2013

Oklahoma Violent Death Reporting System
Gender-Specific Death Rates of Persons 15-44 Years of Age, Oklahoma, 2004-2013
(Selected Causes)

*Oklahoma Violent Death Reporting System and OK2Share*
Age and Gender Specific Rates of Suicide, Oklahoma, 2004-2013

Oklahoma Violent Death Reporting System
Age Group and Gender Rates of Suicide, Oklahoma, 2004-2013

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-24</td>
<td>22.7</td>
<td>5.3</td>
</tr>
<tr>
<td>25-44</td>
<td>34.7</td>
<td>9.5</td>
</tr>
<tr>
<td>45-64</td>
<td>33.6</td>
<td>10.8</td>
</tr>
<tr>
<td>65+</td>
<td>34.3</td>
<td>4.7</td>
</tr>
</tbody>
</table>

Oklahoma Violent Death Reporting System
Male Homicide and Suicide Rates by Race, and Ethnicity, Oklahoma, 2004-2013

Oklahoma Violent Death Reporting System
Leading Suicide Methods/Means

- Firearms (61% of suicides)
  - 72% handguns
  - 12% rifles
  - 15% shotguns

- Hanging/strangulation (21%)

- Poisoning (14%)
  - 57% prescription drugs
  - 15% carbon monoxide/gas vapor
  - 4% OTC
  - 2% recreational drugs or alcohol
  - 2% household products
Other Suicide Methods/Means

- Sharp/blunt instruments
- Motor vehicles/transportation
- Drowning
- Fire
- Fall/jump
Circumstances

- **Mental Health, Substance Abuse, and other Addictions**
  - Current depressed mood
  - Current diagnosed mental health problem
  - Mental illness diagnosis
  - Current mental health treatment
  - Ever treated for mental health or substance abuse
  - Alcohol problem
  - Other substance abuse problem
  - Other addiction

- **Relationship & Life Stressor**
  - Intimate partner problem
  - Family relationship problem
  - Other relationship problem
  - Abuse or neglect led to death
  - History of abuse or neglect as a child
  - Previous perpetrator of violence in the past month
  - Previous victim of violence in the past month
  - Physical fight (2 people)
  - Argument
    - Timing of argument
Circumstances

- Crime & Criminal Activity
  - Precipitated by another crime
  - First crime in progress
  - Terrorist attack

- Suicide Specific Circumstances
  - History of suicide attempts
  - Recently disclosed suicidal thoughts/plan to suicide
    - To whom
  - Left a suicide note
  - History of expressed suicidal thoughts or plans

- Crisis in past 2 weeks or upcoming 2 weeks

- Life Stressors
  - Contributing criminal legal problem
  - Civil legal problems
  - Physical health problem
  - Job problem
  - Financial problem
  - School problem
  - Eviction/loss of home
  - Suicide of friend or family
  - Non-suicide death of friend or family
  - Anniversary of traumatic event
  - Disaster exposure
Leading Circumstances Associated with Suicide
Oklahoma, 2004-2013

◆ 36% current depressed mood
◆ 34% intimate partner problem
◆ 35% one or more diagnosed or treated mental health problems
  – Depression (78%), bipolar illness (17%), anxiety disorder (8%), schizophrenia (7%), PTSD (3%)
Suicide Circumstances
Oklahoma, 2004-2013

- 25% physical health problem
- 18% crisis in past two weeks
- 14% substance abuse problem
- 14% alcohol problem
- 10% financial problem
- 10% job problem
- 10% Recent criminal legal problem

Oklahoma Violent Death Reporting System
Suicide Circumstances
Oklahoma, 2004-2013

- 28% previously stated intent to kill themselves or suicidal feelings to another person
- 32% of persons tested were positive for alcohol
- 44% of persons tested were positive for drugs

Oklahoma Violent Death Reporting System
### Top Circumstances by Gender, Oklahoma, 2004-2013

<table>
<thead>
<tr>
<th>Rank</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Current Depressed Mood 36%</td>
<td>Current Mental Health Problems 50%</td>
</tr>
<tr>
<td>2</td>
<td>Intimate Partner Problems 35%</td>
<td>Current Depressed Mood 37%</td>
</tr>
<tr>
<td>3</td>
<td>Current Mental Health Problems 31%</td>
<td>History of Suicide Attempts 31%</td>
</tr>
<tr>
<td>4</td>
<td>Physical Health Problems 25%</td>
<td>Intimate Partner Problems 29%</td>
</tr>
<tr>
<td>5</td>
<td>Crisis in past 2 weeks 19%</td>
<td>Physical Health Problems 29%</td>
</tr>
<tr>
<td>6</td>
<td>Alcohol Problem 15%</td>
<td>Substance Abuse 17%</td>
</tr>
<tr>
<td>7</td>
<td>History of Suicide Attempts 14%</td>
<td>Crisis in past 2 weeks 14%</td>
</tr>
<tr>
<td>8</td>
<td>Substance Abuse Problem 13%</td>
<td>Alcohol Problem 11%</td>
</tr>
</tbody>
</table>
Suicide Rates among Persons 10-24 Years of Age, Oklahoma and U.S.
Method of Suicide Among Persons 10-24 Years of Age, Oklahoma, 2004-2013

Oklahoma Violent Death Reporting System
U.S. and Oklahoma YRBS Students in Grades 9 – 12

Who Felt Sad and Hopeless the Previous 12 Months*

*Youth Risk Behavior Survey
U.S. and Oklahoma YRBS
Students in Grades 9 – 12

Who Seriously Considered Suicide the Previous 12 Months*

*Youth Risk Behavior Survey

- 2003: Oklahoma 15.4, U.S. 16.9
- 2005: Oklahoma 15.4, U.S. 16.9
- 2009: Oklahoma 14.9, U.S. 13.8
- 2011: Oklahoma 14.3, U.S. 15.8
- 2013: Oklahoma 15.7, U.S. 17.0
U.S. and Oklahoma YRBS Students in Grades 9 – 12

Made a Plan About How They Would Attempt Suicide*

*Youth Risk Behavior Survey
U.S. and Oklahoma YRBS
Students in Grades 9 – 12
Who Attempted Suicide During the Previous 12 Months*

*Youth Risk Behavior Survey
U.S. and Oklahoma YRBS
Students in Grades 9 – 12

Suicide Attempt Resulted in an Injury, Poisoning, or Overdose that had to be Treated by a Doctor or Nurse*

*Youth Risk Behavior Survey
HTTP://OKVDRS.HEALTH.OK.GOV

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Administrative Program Manager
Violence Prevention Programs
405.271.3430
brandiw@health.ok.gov
Reports

- Alcohol-Related Suicides in Oklahoma
- Suicide among Veterans in Oklahoma
ALCOHOL-RELATED SUICIDES IN OKLAHOMA, 2004-2011
Outline

- Objectives
- Methods
- Results
  - Alcohol-Related Suicides
- Discussion
  - Strength/Limitations
  - Prevention
Objectives

1. Determine the prevalence of intoxication of suicide victims from 2004-2011

2. Examine socio-demographic and circumstance factors associated with alcohol-related suicides
Methods

- Data obtained from Oklahoma Violent Death Reporting System (OKVDRS)
- Rates calculated using CDC bridged-race population estimates
- Multiple regression analyses conducted
  - SAS V9.3
  - Alpha 0.05
Methods

Inclusion Criteria:

4,521 suicide victims from 2004-2011

467 Victims excluded:
- 130 not 18 years or older
- 336 not tested for presence of alcohol
- 1 has unknown BAC

4,054 Alcohol-Tested Victims

1034 BAC ≥ 0.08 (Legally Intoxicated)

3019 BAC < 0.08 (Less than Legal Limit for Intoxication)
Alcohol-Related Suicide Rate, Oklahoma, 2004-2011

*Age greater than equal to 18. *BAC ≥ 0.08

Alcohol-Related Method of Suicide by Gender, Oklahoma, 2004-2011

*Includes 1,034 suicide victims 18 and older with a BAC ≥ 0.08 g/dl.
Suicide Method by Gender, Oklahoma, 2004-2011

**Males**
- Firearm: 65%
- Hanging: 20%
- Poisoning: 11%
- Sharp/Blunt Instrument: 2%
- Other: 2%

**Females**
- Firearm: 44%
- Poisoning: 34%
- Hanging: 17%
- Sharp/Blunt Instrument: 1%
- Other: 4%

Source: OKLAHOMA STATE DEPARTMENT OF HEALTH - CREATING A STATE OF HEALTH - WWW.HEALTH.OK.GOV
Table 4: Risk Factors Associated with Acute Alcohol Intoxication among Suicide Victims

<table>
<thead>
<tr>
<th>Risk Factors</th>
<th>Male O.R (95% CI) (N=3195)</th>
<th>Female O.R (95% CI) (N=859)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age Group</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18-24</td>
<td>1.00</td>
<td>1.00</td>
</tr>
<tr>
<td>25-34</td>
<td>1.15 (0.84 - 1.59)</td>
<td>1.57 (0.72 - 3.42)</td>
</tr>
<tr>
<td>35-44</td>
<td>1.12 (0.84 - 1.68)</td>
<td>1.58 (0.70 - 3.55)</td>
</tr>
<tr>
<td>45-54</td>
<td>1.08 (0.76 - 1.54)</td>
<td>1.82 (0.81 - 4.10)</td>
</tr>
<tr>
<td>55-64</td>
<td>0.76 (0.50 - 1.15)</td>
<td>0.83 (0.32 - 2.18)</td>
</tr>
<tr>
<td>65-74</td>
<td>0.29 (0.17 - 0.51)</td>
<td>0.80 (0.24 - 2.60)</td>
</tr>
<tr>
<td>75+</td>
<td>0.16 (0.080 - 0.32)</td>
<td>0.18 (0.021 - 1.59)</td>
</tr>
<tr>
<td>Race</td>
<td></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>1.00</td>
<td>1.00</td>
</tr>
<tr>
<td>African American</td>
<td>0.53 (0.34 - 0.84)</td>
<td>0.13 (0.014 - 1.22)</td>
</tr>
<tr>
<td>American Indian</td>
<td>1.41 (1.05 - 1.90)</td>
<td>1.22 (0.61 - 2.43)</td>
</tr>
<tr>
<td>Other</td>
<td>0.19 (0.040 - 0.85)</td>
<td>0.50 (0.056 - 4.47)</td>
</tr>
<tr>
<td>Hispanic</td>
<td>1.32 (0.812 - 2.11)</td>
<td>2.08 (0.83 - 5.21)</td>
</tr>
<tr>
<td>Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt; High School</td>
<td>1.27 (0.99 - 1.62)</td>
<td>1.05 (0.60 - 1.84)</td>
</tr>
<tr>
<td>High School Graduate</td>
<td>1.07 (0.87 - 1.31)</td>
<td>0.96 (0.64 - 1.44)</td>
</tr>
<tr>
<td>&gt; High School</td>
<td>1.00</td>
<td>1.00</td>
</tr>
<tr>
<td>Marital Status</td>
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</tr>
<tr>
<td>Married</td>
<td>1.00</td>
<td>1.00</td>
</tr>
<tr>
<td>Divorced</td>
<td>1.43 (1.15 - 1.78)</td>
<td>1.26 (0.82 - 1.95)</td>
</tr>
<tr>
<td>Not Married</td>
<td>1.58 (1.22 - 2.04)</td>
<td>1.50 (0.78 - 2.87)</td>
</tr>
<tr>
<td>Widowed</td>
<td>1.16 (0.70 - 1.94)</td>
<td>1.10 (0.48 - 2.49)</td>
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<tr>
<td>Suicide Method</td>
<td></td>
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</tr>
<tr>
<td>Firearm</td>
<td>2.51 (1.80 - 3.5)</td>
<td>2.08 (1.28 - 3.36)</td>
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<tr>
<td>Hanging</td>
<td>1.80 (1.25 - 2.61)</td>
<td>2.49 (1.38 - 4.49)</td>
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<td>Poison</td>
<td>1.00</td>
<td>1.00</td>
</tr>
<tr>
<td>Other</td>
<td>1.08 (0.60 - 1.94)</td>
<td>3.60 (1.56 - 8.33)</td>
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<tr>
<td>Urban</td>
<td>1.25 (1.04 - 1.51)</td>
<td>1.49 (1.02 - 2.17)</td>
</tr>
<tr>
<td>Veteran</td>
<td>1.07 (0.85 - 1.340)</td>
<td>0.94 (0.28 - 3.10)</td>
</tr>
<tr>
<td>Intimate Partner Problem</td>
<td>1.85 (1.53 - 2.24)</td>
<td>1.38 (0.91 - 2.08)</td>
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<td>Mental Health Problem</td>
<td>0.71 (0.58 - 0.87)</td>
<td>0.57 (0.39 - 0.83)</td>
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<tr>
<td>Current Depressed Mood</td>
<td>0.89 (0.74 - 1.08)</td>
<td>0.96 (0.644 - 1.432)</td>
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<tr>
<td>Financial Problem</td>
<td>0.72 (0.54 - 0.96)</td>
<td>0.43 (0.190 - 0.972)</td>
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<tr>
<td>Job Problem</td>
<td>0.91 (0.69 - 1.21)</td>
<td>0.90 (0.398 - 2.024)</td>
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<td>Substance Abuse Problem</td>
<td>0.53 (0.40 - 0.70)</td>
<td>0.56 (0.318 - 0.972)</td>
</tr>
<tr>
<td>Alcohol Problem</td>
<td>7.22 (5.67 - 9.20)</td>
<td>7.23 (4.26 - 12.27)</td>
</tr>
</tbody>
</table>

*Note: Bold signifies a significant association (p-value < 0.05)
Discussion

- One in four suicide victims were legally intoxicated at the time of death.
- The rate of alcohol-related suicides doubled since 2004.
- Factors that increased the odds of alcohol-related suicide among males were American Indian, divorced/not married, access to firearms, residing in urban areas, intimate partner and alcohol problems.
- Factors that increased the odds of alcohol-related suicide among females were access to firearms, residing in urban areas and alcohol problems.
Discussion

◆ Strengths:
  – Data generalizable to Oklahoma
  – More than 90% of victims had alcohol testing
  – Large sample population

◆ Limitations:
  – Didn’t account for interaction/confounding
  – Unknown manner cases could be missed
  – Information bias
Alcohol’s Association with Suicide

- Act as a lubricant to suicide (Ali S, et al)
- “Diminishes inhibitory control of the brain and increases pain threshold” (Abernathy K, et al)
- Intoxicated individuals are more likely to attempt suicide through the use of more lethal means (e.g. firearm) (Hufford M)
Prevention

- Promote protective factors such as social support, stable relationships, access to care
- Reduce access to lethal means
- Alcohol restriction to subgroup with high risk
SUICIDE AMONG VETERANS IN OKLAHOMA, 2005 – 2012
Objectives

- Differentiate suicide trends based on veteran status
- Examine veteran suicide circumstances by life stage
Background

- From 2005 to 2012, there were 1,018 veteran suicide deaths
- Average annual rate = 39.2 per 100,000 veteran population
- Veteran status based on death certificate data
Age-specific Veteran Suicide Rate, Oklahoma, 2005-2012

The chart illustrates the age-specific veteran suicide rate per 100,000 for different age groups in Oklahoma from 2005 to 2012:

- Age Group 18-34: 50.2
- Age Group 35-54: 43.7
- Age Group 55-64: 31.3
- Age Group 65-74: 31.3
- Age Group 75+: 46.5
- Total: 39.2
Veteran Suicide Rate by Race, Oklahoma, 2005-2012

Rate per 100,000

Race/Ethnicity

American Indian: 50.0
Black: 16.4
White: 45.2
Hispanic*: 24.1

*Hispanic ethnicity is not a racial category.
Veteran Suicide Rate by Educational Status, Oklahoma, 2005-2012

- Less than High School Graduate: 57.7
- High School Graduate: 56.9
- Some College or Associate's Degree: 31.2
- Bachelor's Degree or Higher: 24.8

*Age ≥ 25 years
# Leading Circumstances by Veteran Status, Oklahoma, 2005-2012

<table>
<thead>
<tr>
<th>Rank</th>
<th>Veteran</th>
<th>Non-Veteran</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Physical Health Problem 44%</td>
<td>Intimate Partner Problem 38%</td>
</tr>
<tr>
<td>2</td>
<td>Current Depressed Mood 36%</td>
<td>Current Mental Health Problem 36%</td>
</tr>
<tr>
<td>3</td>
<td>Current Mental Health Problem 31%</td>
<td>Current Depressed Mood 35%</td>
</tr>
<tr>
<td>4</td>
<td>Intimate Partner Problem 26%</td>
<td>Physical Health Problem 22%</td>
</tr>
<tr>
<td>5</td>
<td>Crisis in Past 2 Weeks 18%</td>
<td>Crisis in Past 2 Weeks 18%</td>
</tr>
</tbody>
</table>
Circumstances by Life Stage among Veterans, Oklahoma, 2005-2012
### Weapon by Veteran Status, Oklahoma, 2005-2012

<table>
<thead>
<tr>
<th>Weapon Type</th>
<th>Veteran</th>
<th>Non-Veteran</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firearm</td>
<td>74%</td>
<td>57%</td>
</tr>
<tr>
<td>Hanging</td>
<td>13%</td>
<td>22%</td>
</tr>
<tr>
<td>Poison</td>
<td>10%</td>
<td>16%</td>
</tr>
<tr>
<td>Other</td>
<td>3%</td>
<td>5%</td>
</tr>
</tbody>
</table>
Summary

◆ The veteran suicide rate was 2 times higher than the rate among non-veterans (39.2 and 18.2, respectively)

◆ Veterans aged 18-34 and 75 years and older were at greatest risk for suicide

◆ Suicide circumstances varied by life stage. Physical health problems were cited more often with increasing age. Intimate partner problems were more common among younger veterans
Thank You!

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