Overview

- Firearm Injuries (nonfatal)
  - Hospitalizations (SCHS & NCHA)
  - ED Visits (NC DETECT)
  - Self Reported Survey data
  - National trends
- Firearm fatalities
  - OCME data
Hospitalizations by Firearm excluding deaths
Firearm-related Hospitalizations (ages 0-17), Number and Rates per 100,000: 2004-2014*

Data Source: State Center for Health Statistics, Hospital Discharge Data, 2004-2014.
*Significant dataset changes in 2014. Impact on surveillance is unclear.
Analysis by Injury Epidemiology and Surveillance Unit
Firearm-related Hospitalizations (ages 0-17), Number by Sex and Year: 2004-2014*

Data Source: State Center for Health Statistics, Hospital Discharge Data, 2004-2014.
*Significant dataset changes in 2014. Impact on surveillance is unclear.
Analysis by Injury Epidemiology and Surveillance Unit
Firearm-related Hospitalizations (ages 0-17), Number by Sex and Age Group: 2014*

Data Source: State Center for Health Statistics, Hospital Discharge Data, 2014*.
*Significant dataset changes in 2014. Impact on surveillance is unclear.
Analysis by Injury Epidemiology and Surveillance Unit
Firearm-related Hospitalizations (ages 0-17), Charges* : 2014**

For the 43 firearm hospitalizations in 2014:
-- Charges: $2,915,553 (range $3764 – $262,243)
-- Mean charge: $67,803

*Charges are not equal to costs. Total charges as billed (Note: this is not the same as the amount paid - these rates are typically negotiated down by insurance companies).
Data Source: State Center for Health Statistics, Hospital Discharge Data, 2014*.
**Significant dataset changes in 2014. Impact on surveillance is unclear.**
Analysis by Injury Epidemiology and Surveillance Unit
Emergency Dept. Visits by Firearm
excluding hospitalizations
Firearm-related ED Visits (ages 0-17), Number and Rate per 100,000: 2009-2014

Data Source: NC DETECT, 2009-2014
Analysis by Injury Epidemiology and Surveillance Unit
Firearm-related ED Visits (ages 0-17), Number by Sex and Year: 2009-2014

Data Source: NC DETECT, 2009-2014
Analysis by Injury Epidemiology and Surveillance Unit
Firearm-related ED Visits (ages 0-17), Number by Sex and Age Group: 2014

Data Source: NC DETECT, 2014
Analysis by Injury Epidemiology and Surveillance Unit
Self-Reported Firearm Data
NC YRBSS, BRFSS & CHAMPS
Percent of High School Students Reporting Carrying Weapons to School and Fights Resulting in Injuries: NC YRBS, 2015

Data Source: NC Youth Risk Behavioral Survey (NC YRBS), 2014
Weapons include guns, knives, clubs, etc.
Analysis by Injury Epidemiology and Surveillance Unit
Percent of NC Residents with Firearm Storage Practices (not in gun cabinet, no trigger or cable lock): NC BRFSS, 2011

- 50.6% Unsecured
- 49.3% Secured

41.6% Own Firearm
36.9% Loaded
51.4% Unlocked

Data Source: NC Behavioral Risk Factor Surveillance System (NC BRFSS), 2011
Analysis by Injury Epidemiology and Surveillance Unit
Percent of NC Parents Firearm Practices (not in gun cabinet, no trigger or cable lock):
NC CHAMP (ages 0-17), 2011

- 32.6% Own Firearm
- 25.4% Loaded
- 29.2% Unlocked

Secured
Unsecured

Data Source: NC Child Health Assessment and Monitoring Program (NC CHAMP), 2011
Analysis by Injury Epidemiology and Surveillance Unit
National Trends
Firearm-related Rates of Death per 100,000, US & NC for ages 0-17: 2000-2014

Data Source: CDC WISQARS, 2000-2014 and NC-VDRS, 2004-2014
Analysis by Injury Epidemiology and Surveillance Unit
Firearm-Related Deaths
Firearm Deaths by Year and Manner, Ages 0-17: 2010 – 2014 (n = 210)

Data Source: OCME 2010-2014
Analysis by Child Fatality Prevention Team
Firearm Deaths by Sex,
Ages 0-17: 2010 – 2014 (n = 210)

38, 18%

172, 82%

Male  Female

Data Source: OCME 2010-2014
Analysis by Child Fatality Prevention Team
Firearm Deaths by Age Group,
Ages 0-17: 2010 – 2014 (n = 210)

Data Source: OCME 2010-2014
Analysis by Child Fatality Prevention Team
Firearm Deaths by Race, Ages 0-17: 2010 – 2014 (n = 210)

- 101, 48% White
- 80, 38% Black
- 24, 12% Unknown
- 3, 1% Asian
- 2, 1% American Indian

Data Source: OCME 2010-2014
Analysis by Child Fatality Prevention Team
Firearm Deaths by Location and Manner, Ages 0-17: 2010 – 2014

Homicides (n = 111)

- House: 31%
- Street: 19%
- Motor Vehicle: 12%
- Parking Lot: 5%
- Public Access Area: 2%
- Other: 6%

Suicides (n = 72)

- House: 60%
- Street: 17%
- Motor Vehicle: 11%
- Parking Lot: 0%
- Public Access Area: 0%
- Other: 12%

Data Source: OCME 2010-2014
Analysis by Child Fatality Prevention Team
Suicide Firearm Deaths by Circumstances, Ages 0-17: 2010 – 2014 (n = 72)

Data Source: OCME 2010-2014
Analysis by Child Fatality Prevention Team
## Accidental Firearm Deaths by Circumstances, Ages 0-17: 2010 – 2014 (n = 22)

<table>
<thead>
<tr>
<th>How Firearm Was Accessed</th>
<th>Number of Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Found in Residence</td>
<td>8</td>
</tr>
<tr>
<td>• Kitchen</td>
<td>2</td>
</tr>
<tr>
<td>• Closet</td>
<td>2</td>
</tr>
<tr>
<td>• Living Room</td>
<td>1</td>
</tr>
<tr>
<td>• Unspecified Location</td>
<td>3</td>
</tr>
<tr>
<td>Unsafe Handling</td>
<td>6</td>
</tr>
<tr>
<td>Motor Vehicle</td>
<td>2</td>
</tr>
<tr>
<td>Playing Unsupervised</td>
<td>2</td>
</tr>
<tr>
<td>Other</td>
<td>3</td>
</tr>
<tr>
<td>Unknown</td>
<td>1</td>
</tr>
</tbody>
</table>

Data Source: OCME 2010-2014
Analysis by Child Fatality Prevention Team
Accidental Firearm Deaths by Circumstances, Ages 0-17: 2010 – 2014 (n = 22)

<table>
<thead>
<tr>
<th>Firearm Owner</th>
<th>Number of Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decedent</td>
<td>2</td>
</tr>
<tr>
<td>Father</td>
<td>8</td>
</tr>
<tr>
<td>Grandfather</td>
<td>1</td>
</tr>
<tr>
<td>Mother’s Boyfriend</td>
<td>2</td>
</tr>
<tr>
<td>Sister’s Boyfriend</td>
<td>1</td>
</tr>
<tr>
<td>Neighbor</td>
<td>1</td>
</tr>
<tr>
<td>Unspecified Family Member</td>
<td>1</td>
</tr>
<tr>
<td>Unknown</td>
<td>6</td>
</tr>
</tbody>
</table>

Data Source: OCME 2010-2014
Analysis by Child Fatality Prevention Team
## Homicide Deaths, Legal Intervention
### 2010 – 2014

<table>
<thead>
<tr>
<th>Year</th>
<th>Age</th>
<th>Sex</th>
<th>Race</th>
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</thead>
<tbody>
<tr>
<td>2013</td>
<td>17</td>
<td>Male</td>
<td>Black</td>
</tr>
<tr>
<td>2013</td>
<td>16</td>
<td>Male</td>
<td>Black</td>
</tr>
<tr>
<td>2010</td>
<td>17</td>
<td>Male</td>
<td>White</td>
</tr>
<tr>
<td>2010</td>
<td>17</td>
<td>Male</td>
<td>White</td>
</tr>
<tr>
<td>2010</td>
<td>13</td>
<td>Male</td>
<td>White</td>
</tr>
</tbody>
</table>

Data Source: OCME 2010-2014
Analysis by Child Fatality Prevention Team
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