



November 2, 2016

Firearm Injury Data among children 0-17



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*

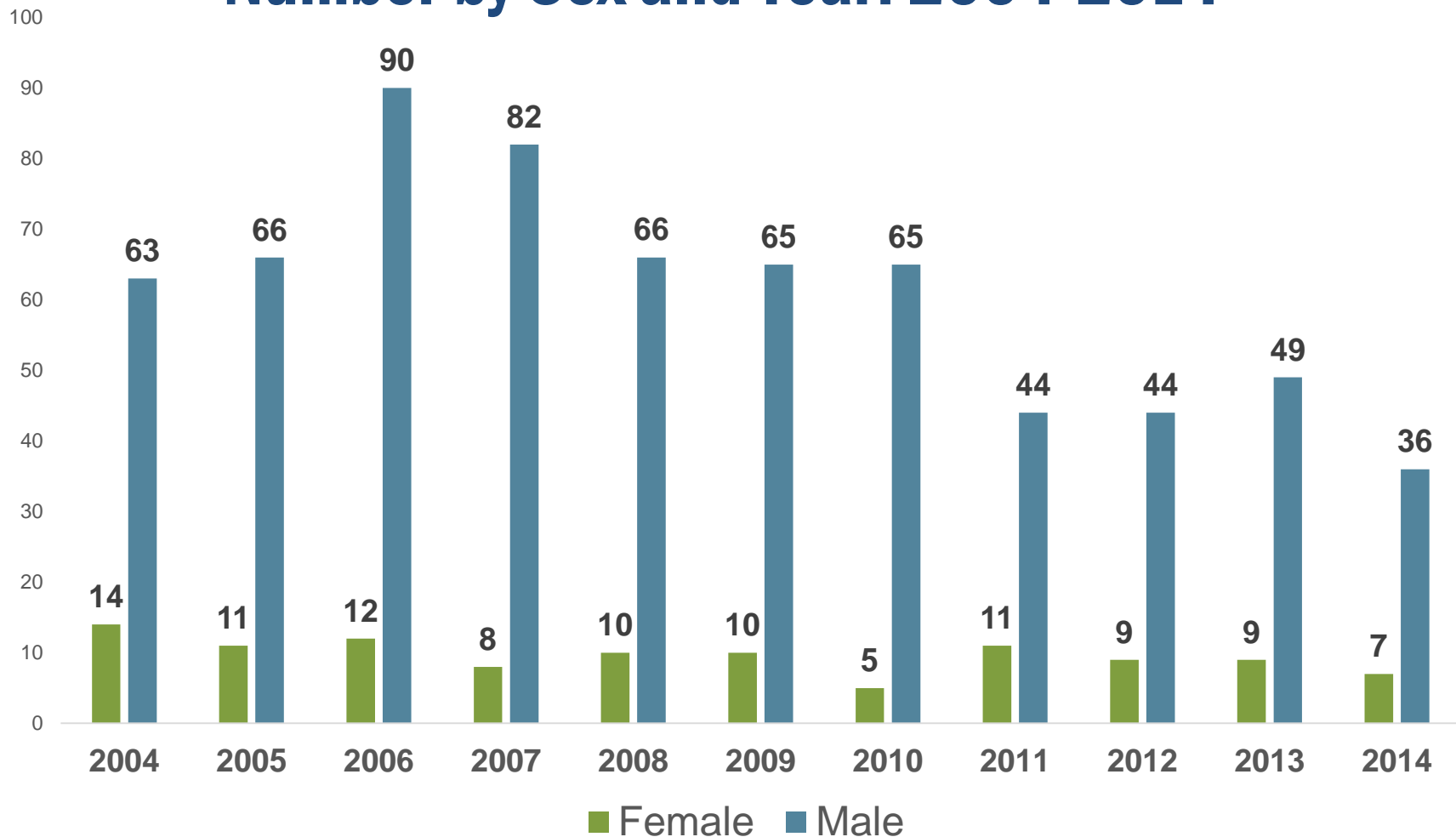


North Carolina
Injury & Violence
PREVENTION Branch



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*

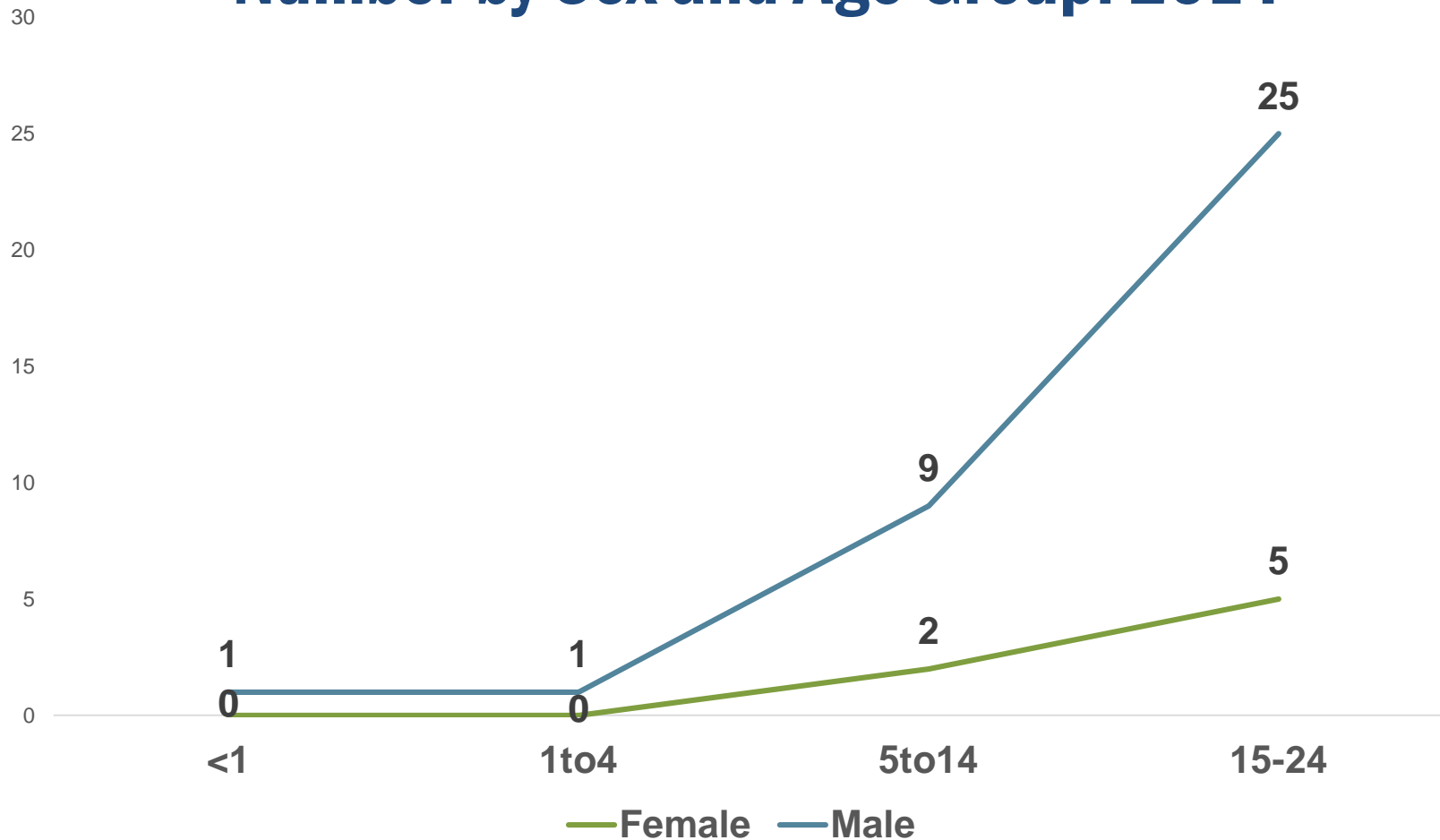


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Data Source: State Center for Health Statistics, Hospital Discharge Data, 2004-2014.
*Significant dataset changes in 2014. *Impact on surveillance is unclear.*
Analysis by Injury Epidemiology and Surveillance Unit

Firearm-related Hospitalizations (ages 0-17), Number by Sex and Age Group: 2014*



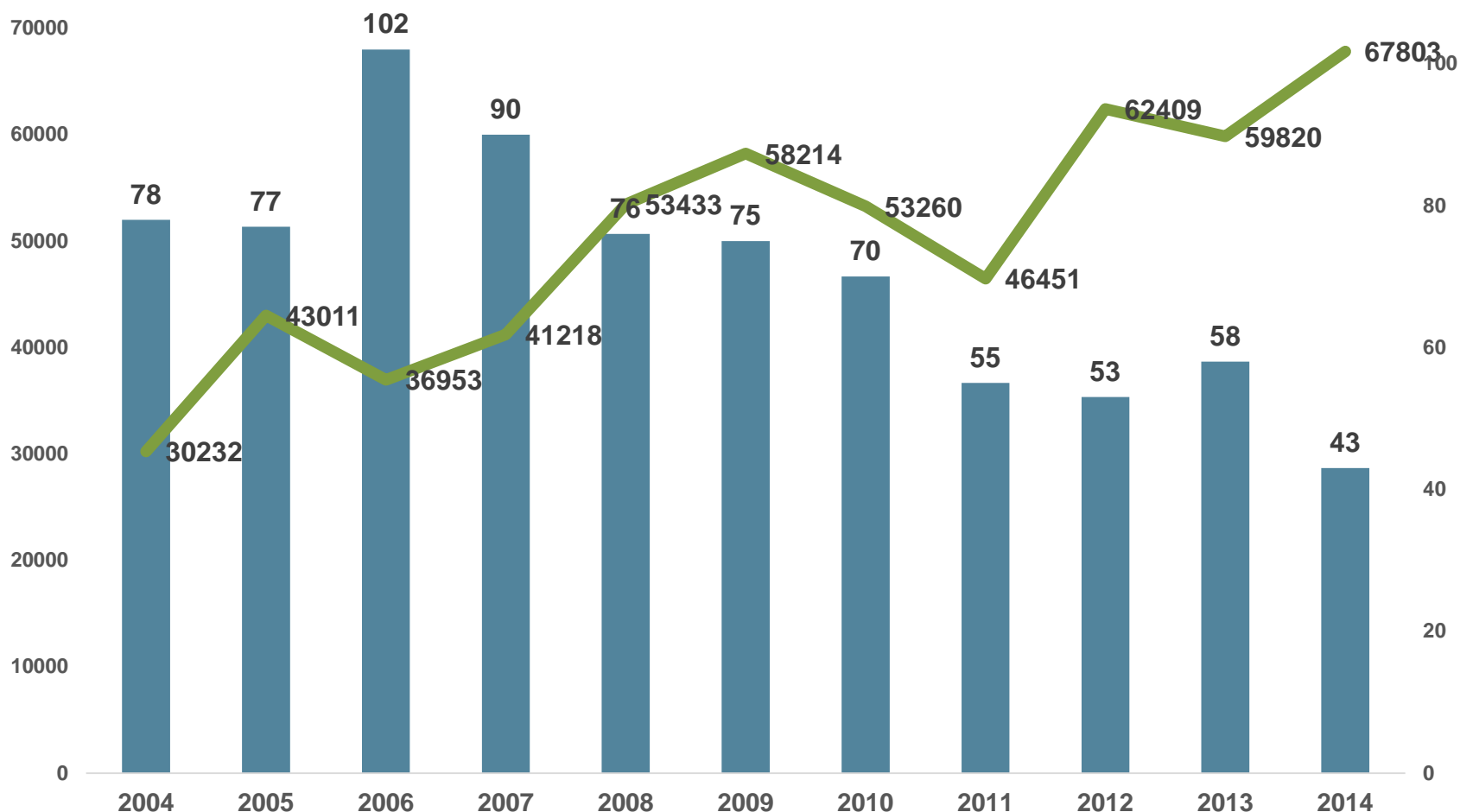
Firearm-related Hospitalizations (ages 0-17), Charges* : 2014**

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).

Firearm-related Hospitalizations (ages 0-17), Mean Charges* & Injuries : 2004-2014**



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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

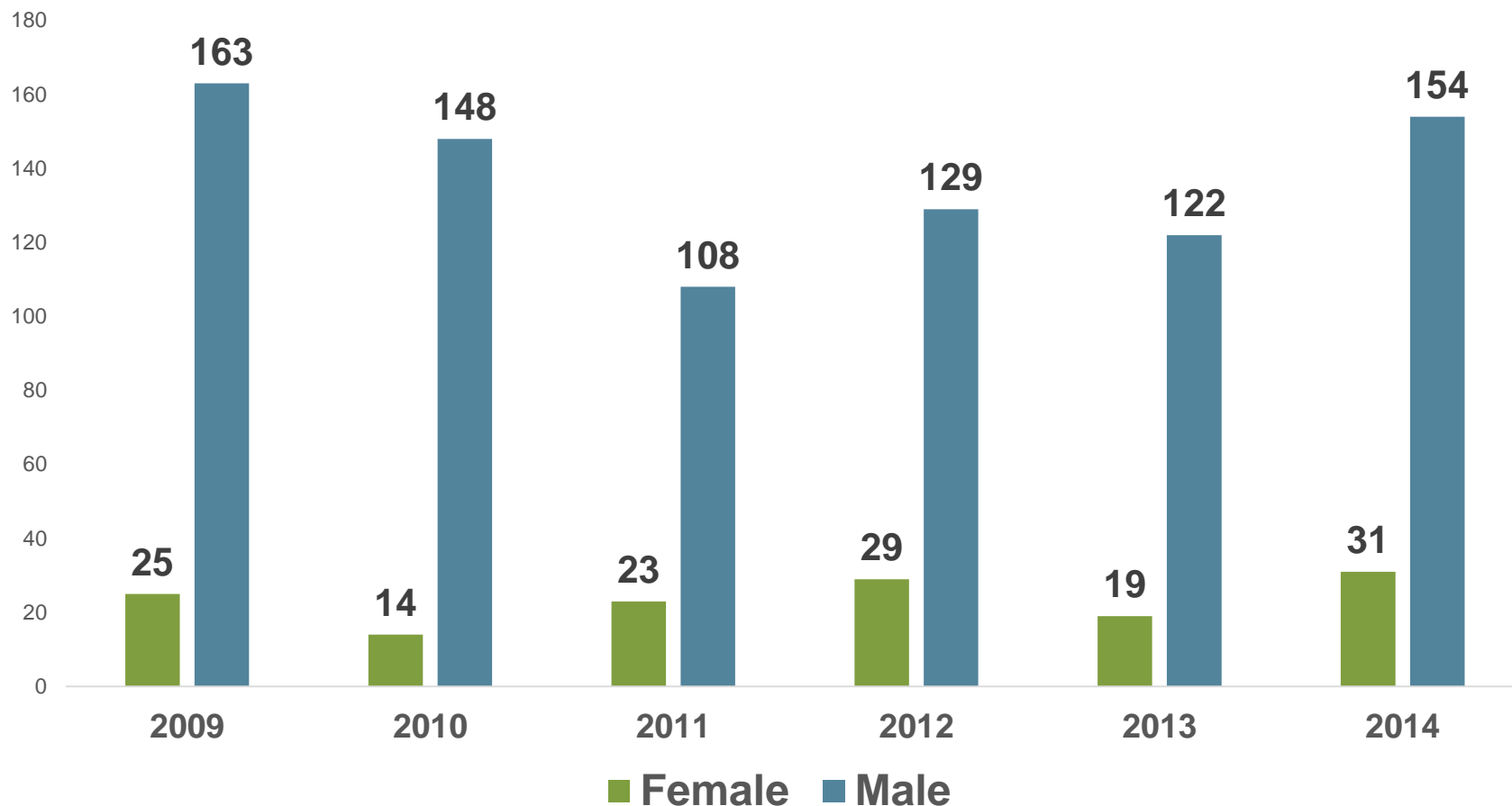


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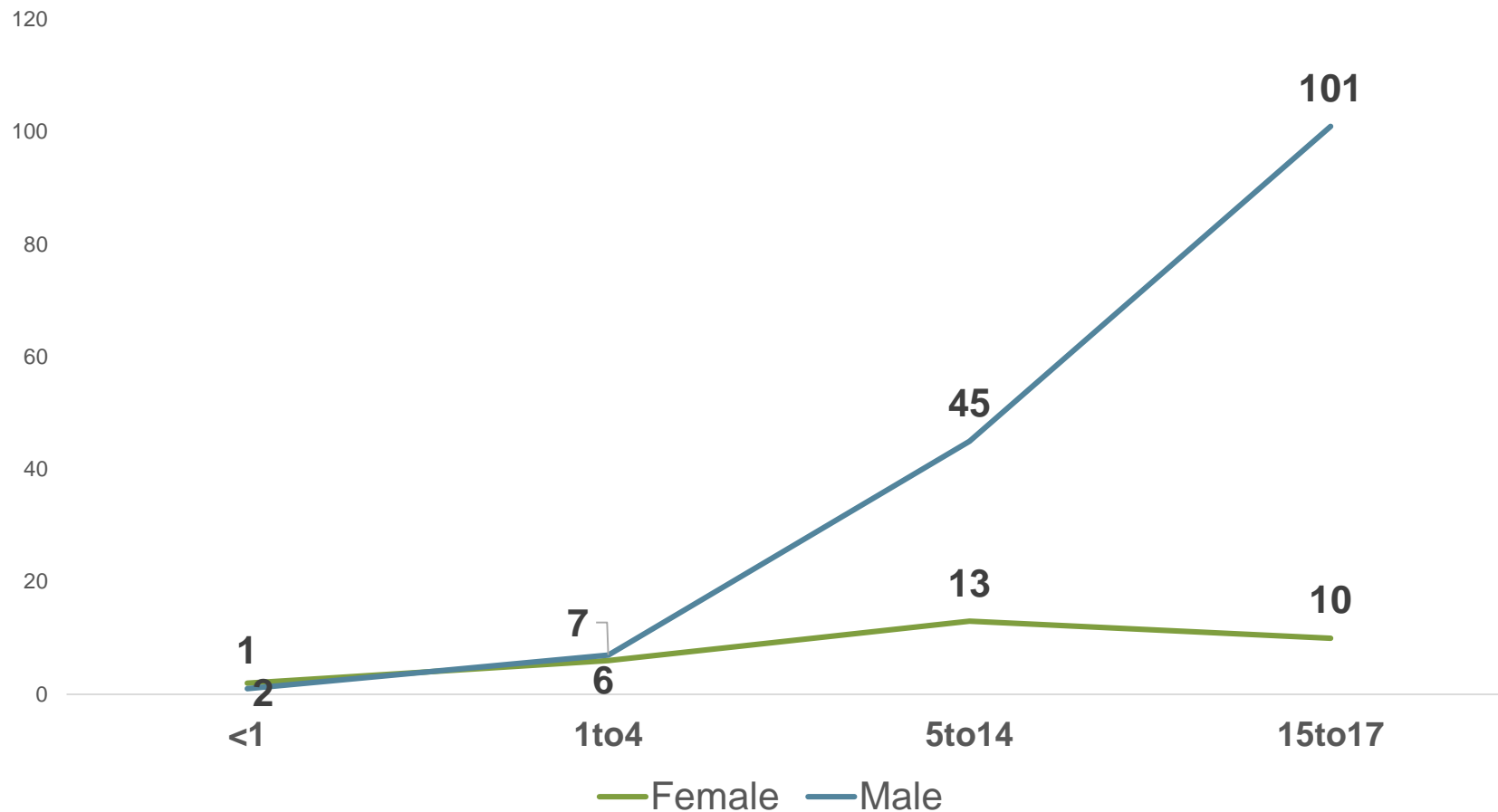


Data Source: NC DETECT, 2009-2014
Analysis by Injury Epidemiology and Surveillance Unit

Firearm-related ED Visits (ages 0-17), Number by Sex and Year: 2009-2014



Firearm-related ED Visits (ages 0-17), Number by Sex and Age Group: 2014



Self-Reported Firearm Data

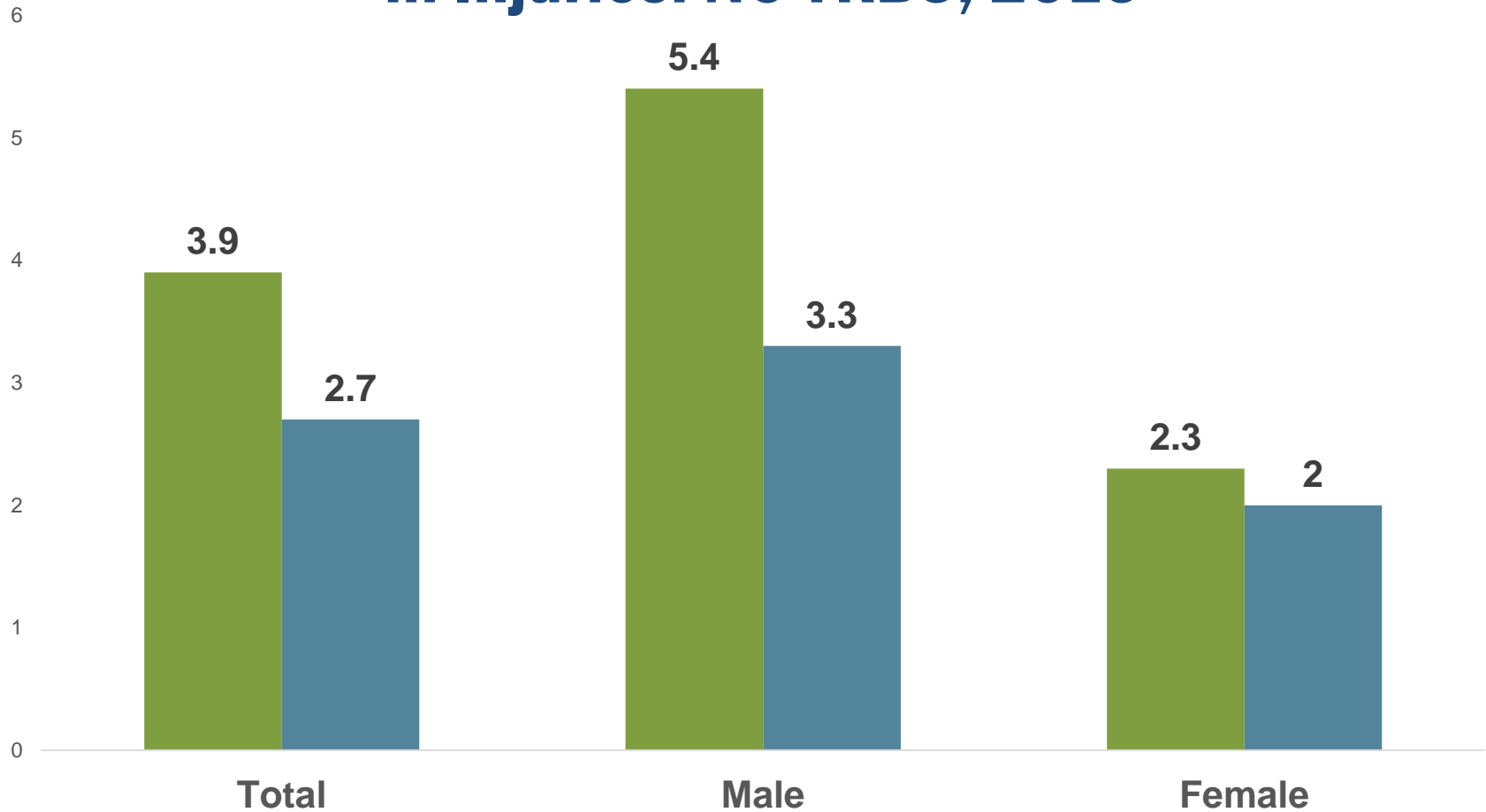
NC YRBSS, BRFSS & CHAMPS

North Carolina Violent Death
NC VDRS
Reporting System

North Carolina
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Percent of High School Students Reporting Carrying Weapons to School and Fights Resulting in Injuries: NC YRBS, 2015

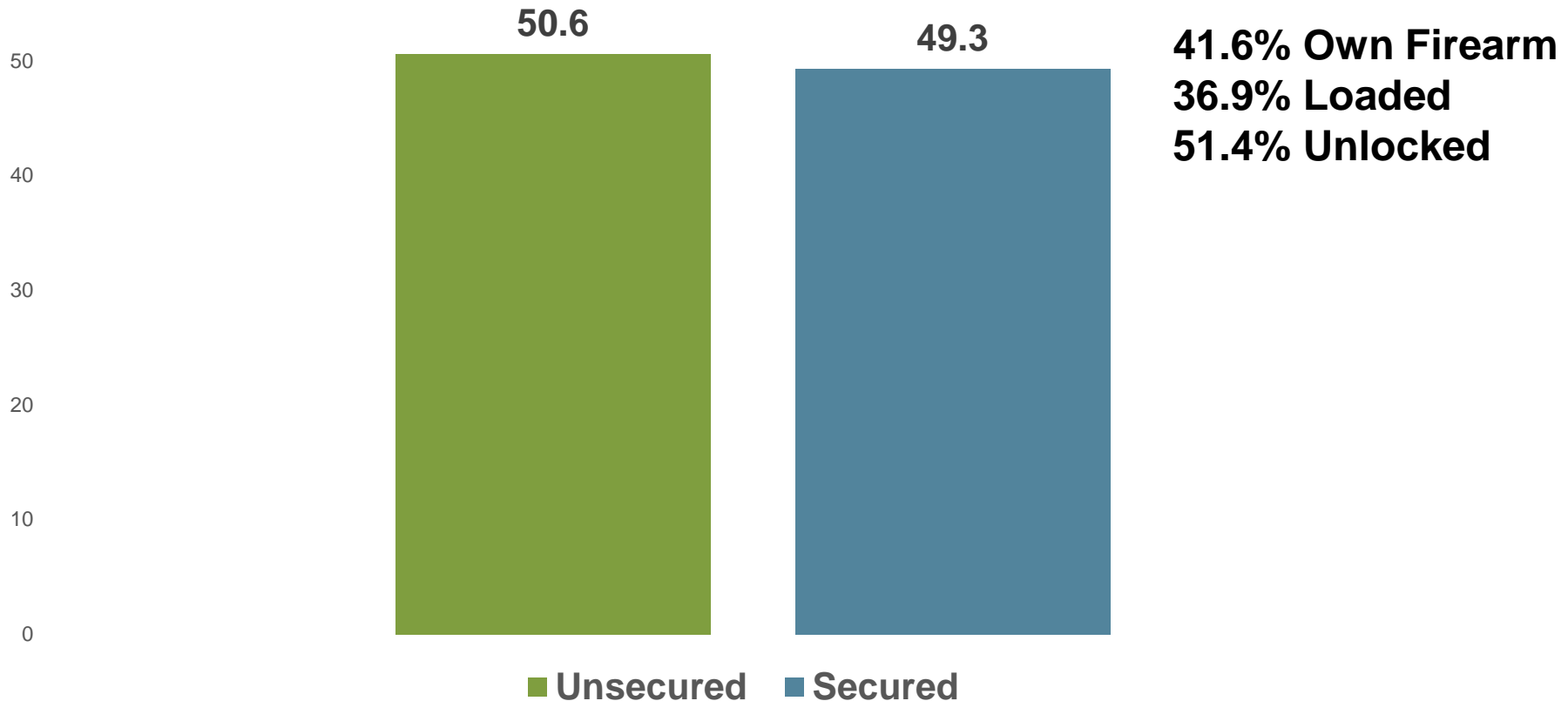


Data Source: NC Youth Risk Behavioral Survey (NC YRBS), 2014
Weapons include guns, knives, clubs, etc.
Analysis by Injury Epidemiology and Surveillance Unit

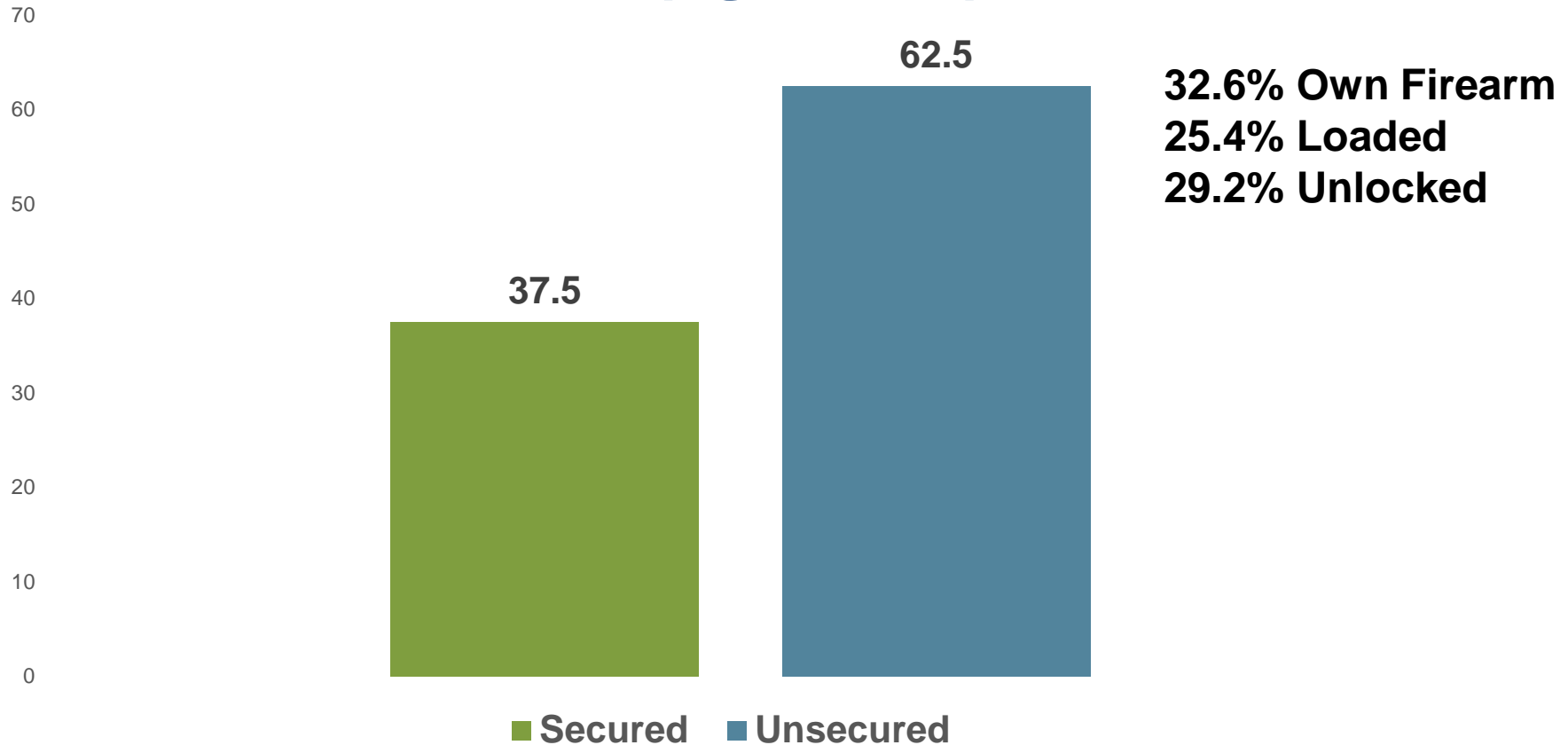
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Percent of NC Residents with Firearm Storage Practices (not in gun cabinet, no trigger or cable lock): NC BRFSS, 2011



Percent of NC Parents Firearm Practices (not in gun cabinet, no trigger or cable lock): NC CHAMP (ages 0-17), 2011



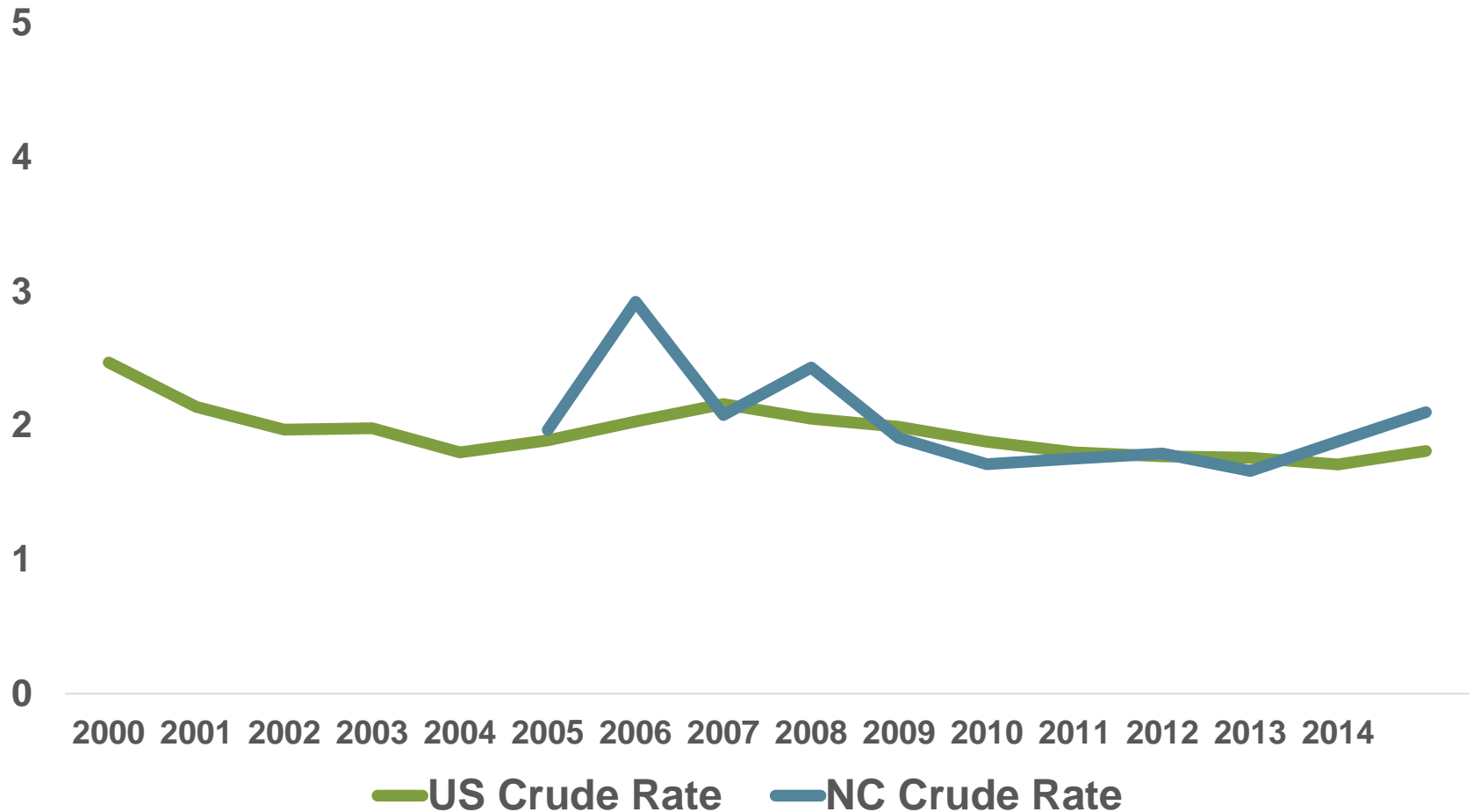
National Trends

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NC VDRS
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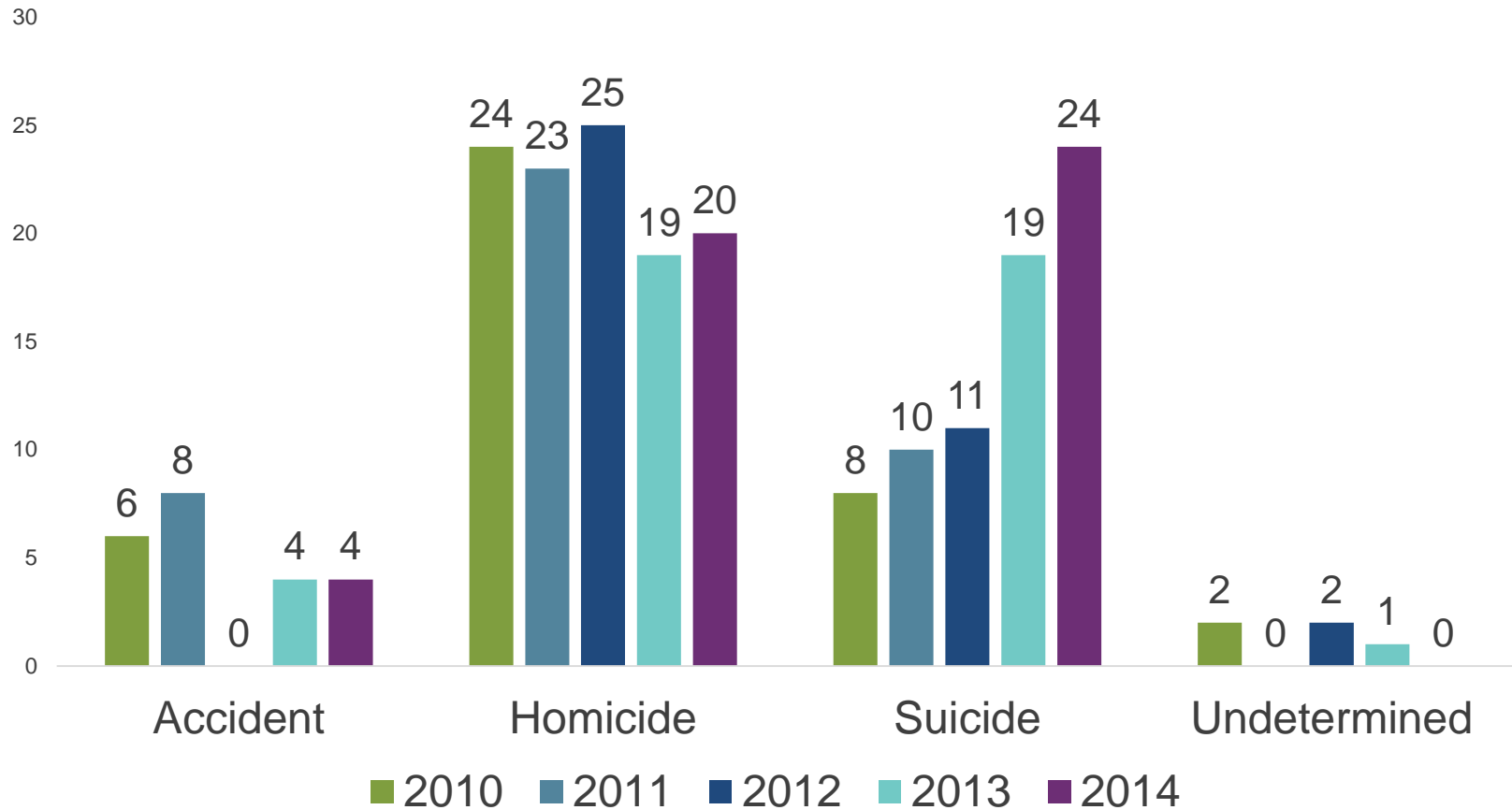
Firearm-related Rates of Death per 100,000, US & NC for ages 0-17: 2000-2014



Firearm-Related Deaths

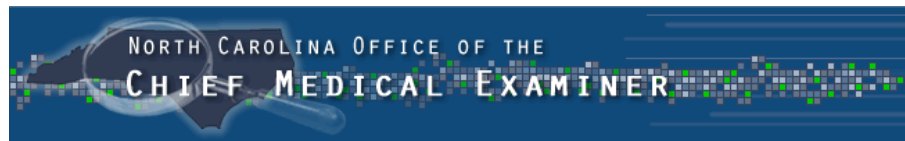
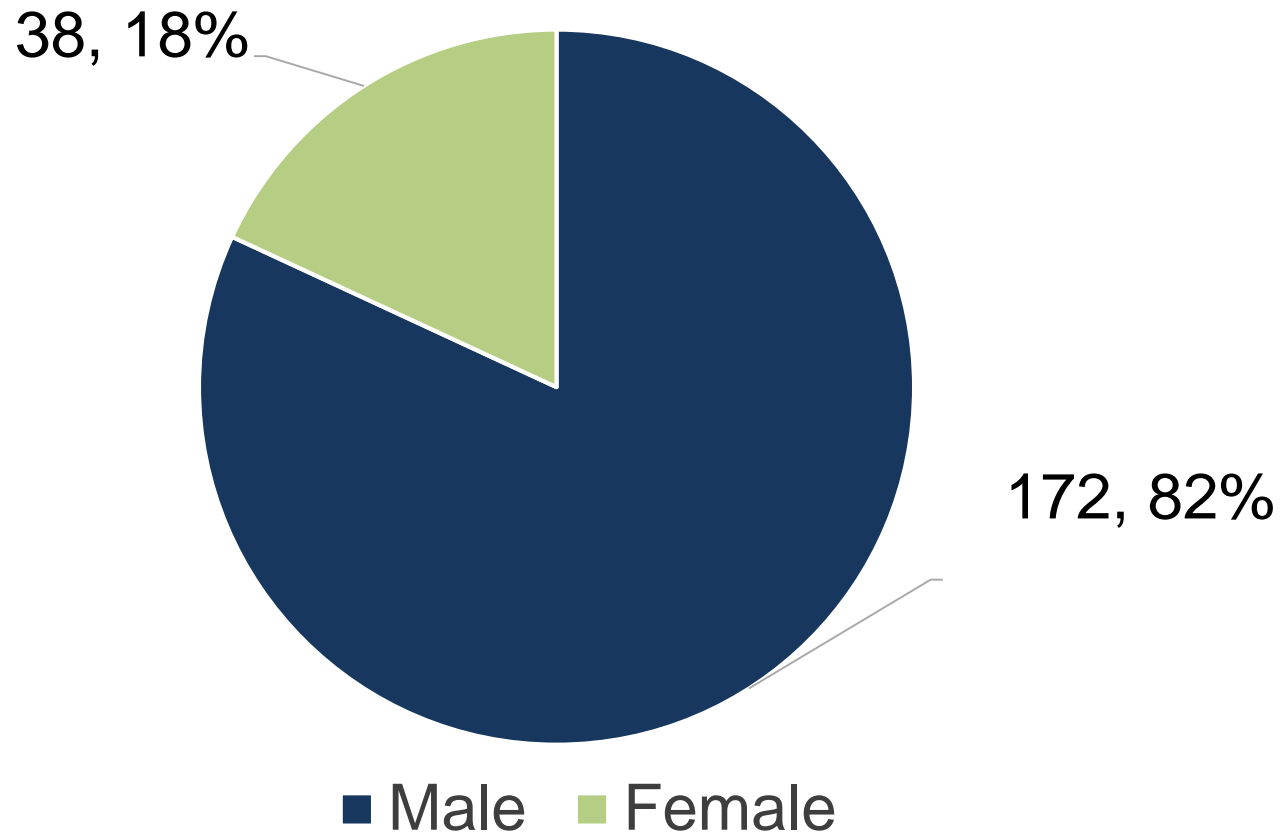


Firearm Deaths by Year and Manner, Ages 0-17: 2010 – 2014 (n = 210)



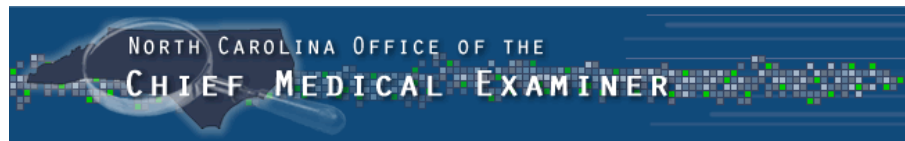
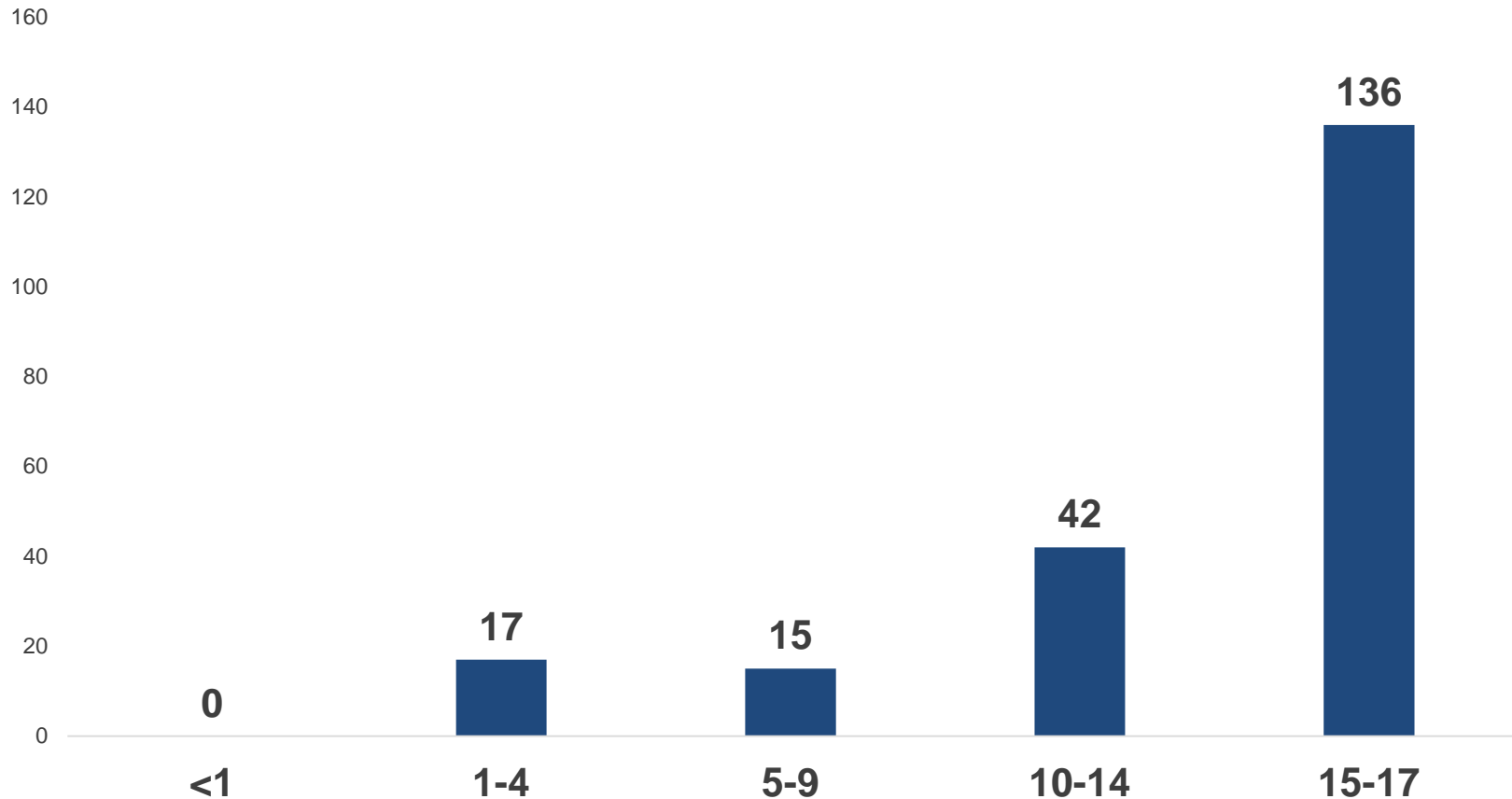
Data Source: OCME 2010-2014
Analysis by Child Fatality Prevention Team

Firearm Deaths by Sex, Ages 0-17: 2010 – 2014 (n = 210)



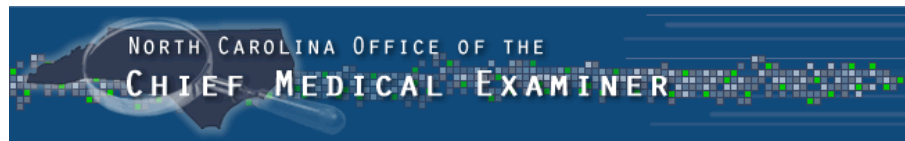
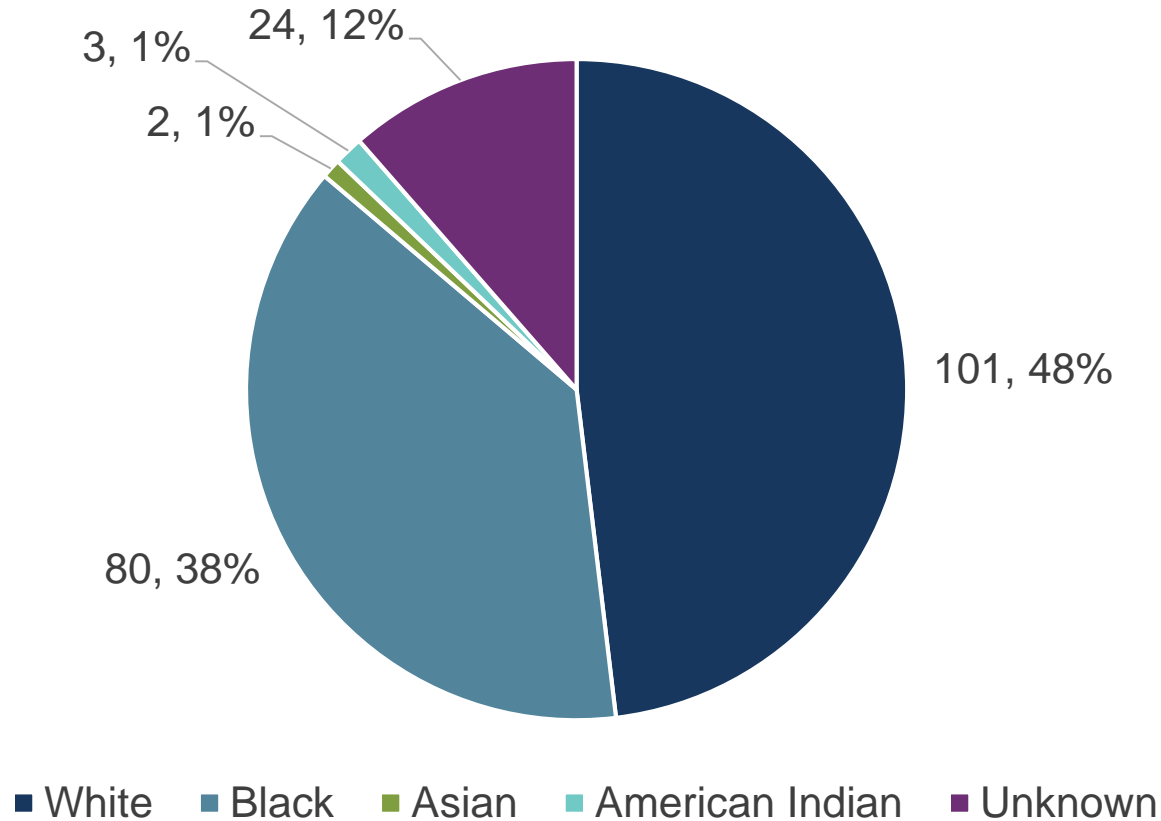
Data Source: OCME 2010-2014
Analysis by Child Fatality Prevention Team

Firearm Deaths by Age Group, Ages 0-17: 2010 – 2014 (n = 210)



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

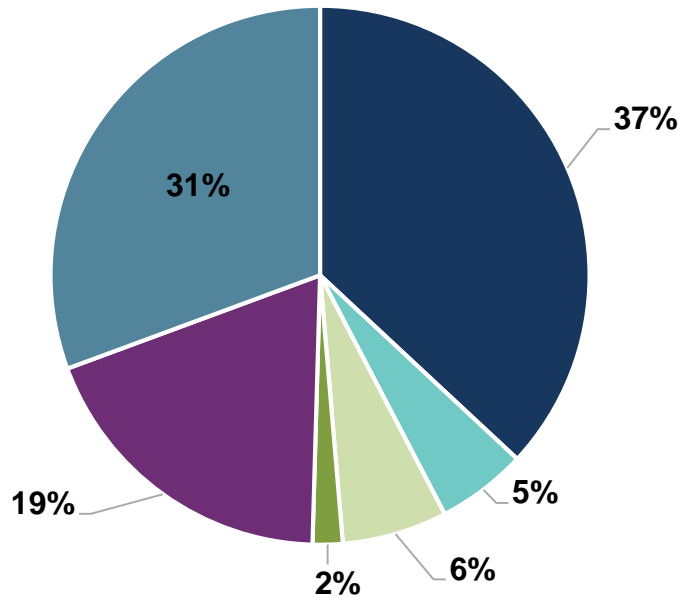
Firearm Deaths by Race, Ages 0-17: 2010 – 2014 (n = 210)



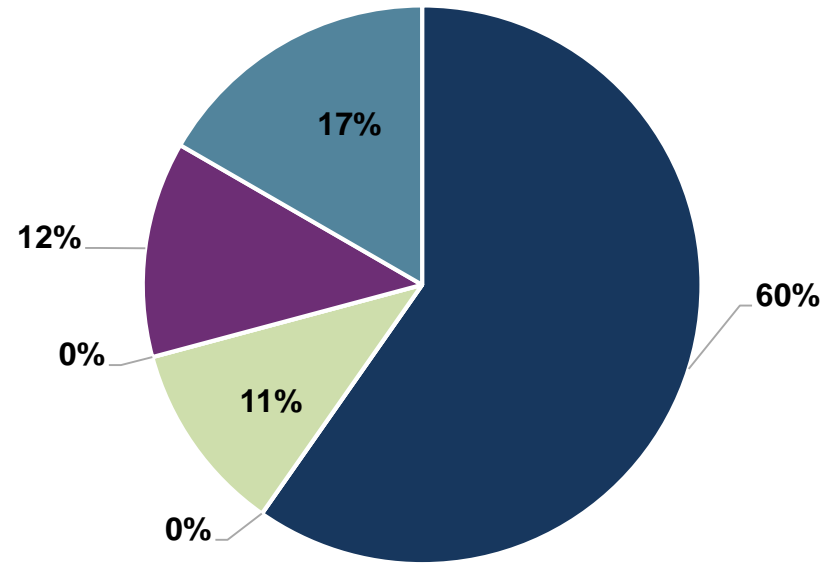
Data Source: OCME 2010-2014
Analysis by Child Fatality Prevention Team

Firearm Deaths by Location and Manner, Ages 0-17: 2010 – 2014

Homicides (n = 111)



Suicides (n = 72)

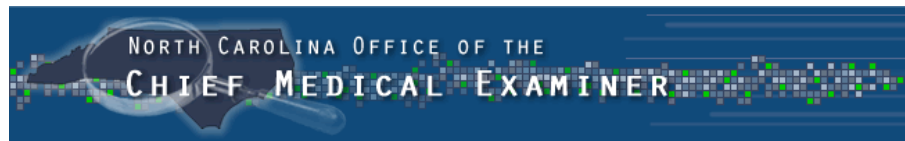
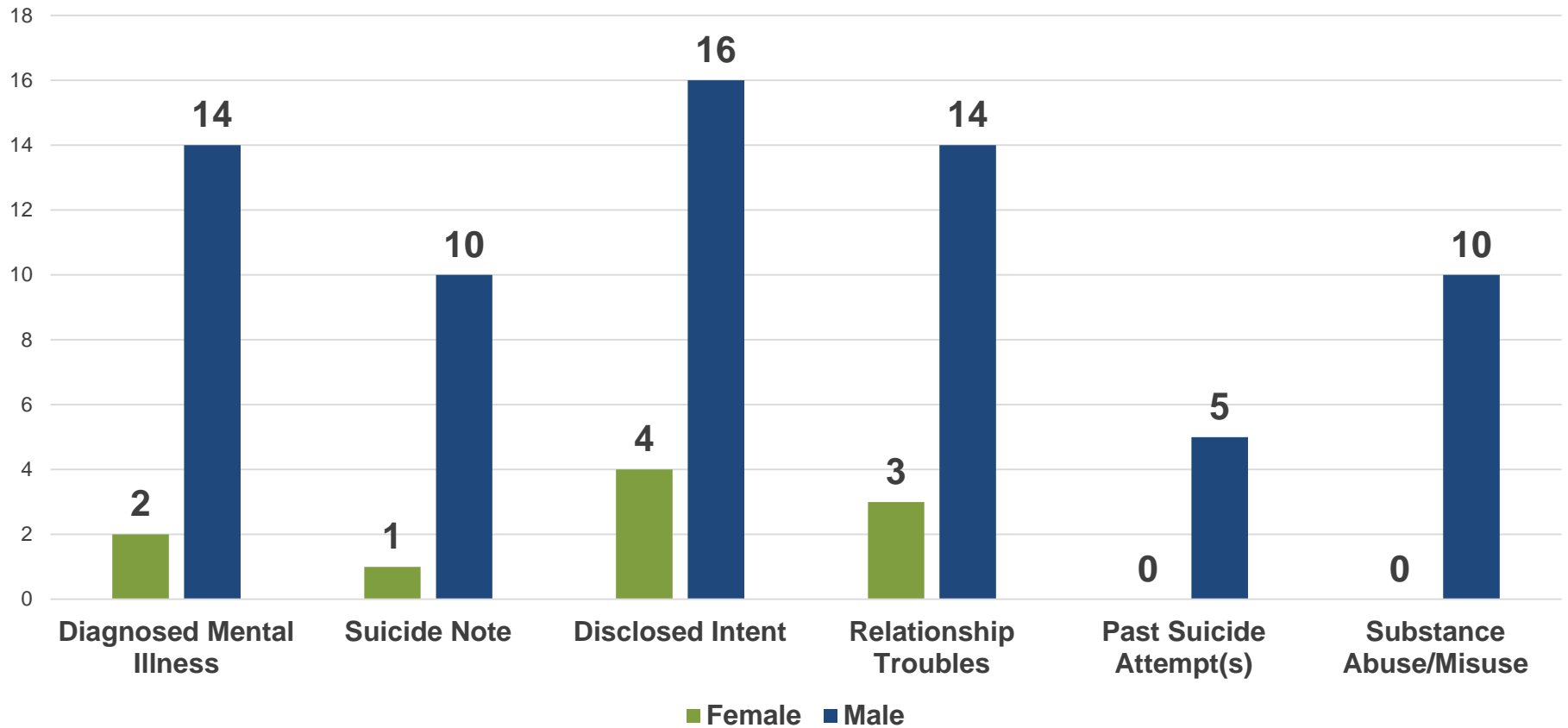


■ House ■ Street ■ Motor Vehicle ■ Parking Lot ■ Public Access Area ■ Other



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)

How Firearm Was Accessed	Number of Deaths
Found in Residence	8
• Kitchen	2
• Closet	2
• Living Room	1
• Unspecified Location	3
Unsafe Handling	6
Motor Vehicle	2
Playing Unsupervised	2
Other	3
Unknown	1



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

Accidental Firearm Deaths by Circumstances, Ages 0-17: 2010 – 2014 (n = 22)

Firearm Owner	Number of Deaths
Decedent	2
Father	8
Grandfather	1
Mother's Boyfriend	2
Sister's Boyfriend	1
Neighbor	1
Unspecified Family Member	1
Unknown	6



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

Homicide Deaths, Legal Intervention 2010 – 2014

Year	Age	Sex	Race
2013	17	Male	Black
2013	16	Male	Black
2010	17	Male	White
2010	17	Male	White
2010	13	Male	White



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

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