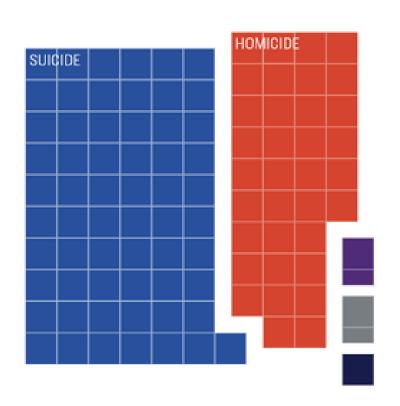




Firearm Deaths and Injuries among Youth in North Carolina

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Chronic Disease and Injury Section
Injury and Violence Prevention Branch

Firearm-related Violence in US & NC



EACH YEAR 36,383 AMERICANS DIE FROM GUN VIOLENCE

- GUN SUICIDES: 22,274 (61%)
- GUN HOMICIDES: 12,830 (35%)
- LAW ENFORCEMENT SHOOTINGS: 496 (1.4%)
- UNINTENTIONAL SHOOTINGS: 487 (1.3%)
- UNDETERMINED: 295 (0.8%)

NC Firearm-related deaths, 2018*

NC all ages= 1,345 NC ages 0-17= 61

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^{* 2018} data are provisional Analysis by Injury Epidemiology and Surveillance Unit (as of Dec 2019)

North Carolina Violent Death Reporting System (NC-VDRS)

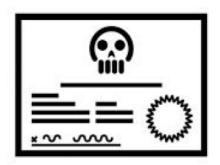


Data and Surveillance

- Since 2004, abstract approximately 2,000 violent deaths per year (homicides, suicides, firearm deaths)
- Data Sources and Collaborators
 - Death certificate data- State Center for Health Statistics
 - -NC Office of the Chief Medical Examiner (OCME)
 - -NC-IBRS (SBI)
 - Decentralized law enforcement
 - More than 650 law enforcement agencies in NC
 - •~250 in a given year experience violent death
- Data can differ slightly due to case definition, data closeout dates, and other factors



North Carolina Violent Death Reporting System



Death Certificates



LE Reports



C/ME Reports



600+ data fields



Injury characteristics



Demographics



Circumstances



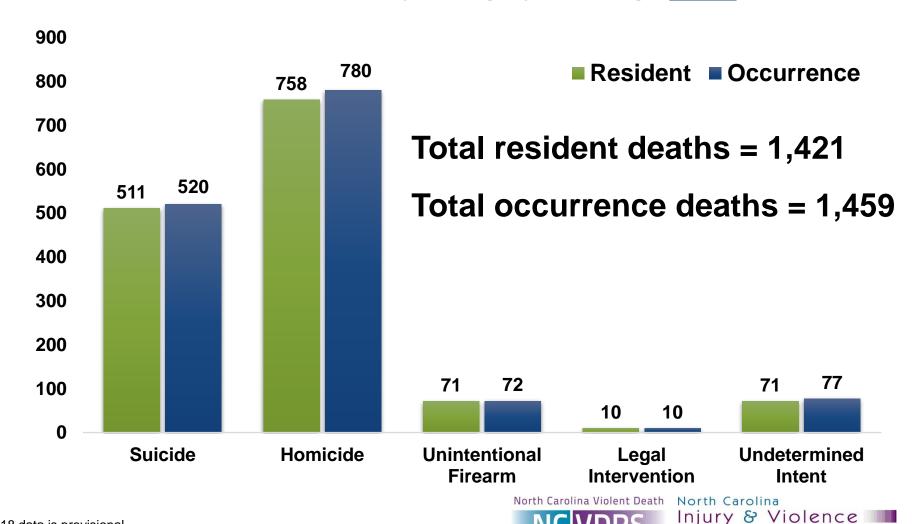
Mental Health Diagnoses Toxicology







Deaths by Manner/Intent: Resident and Occurrence Deaths North Carolina Violent Death Reporting System, age <u>0-17</u>, 2004-2018*



^{* 2018} data is provisional Analysis by Injury Epidemiology and Surveillance Unit (as of Dec 2019)

Reporting System

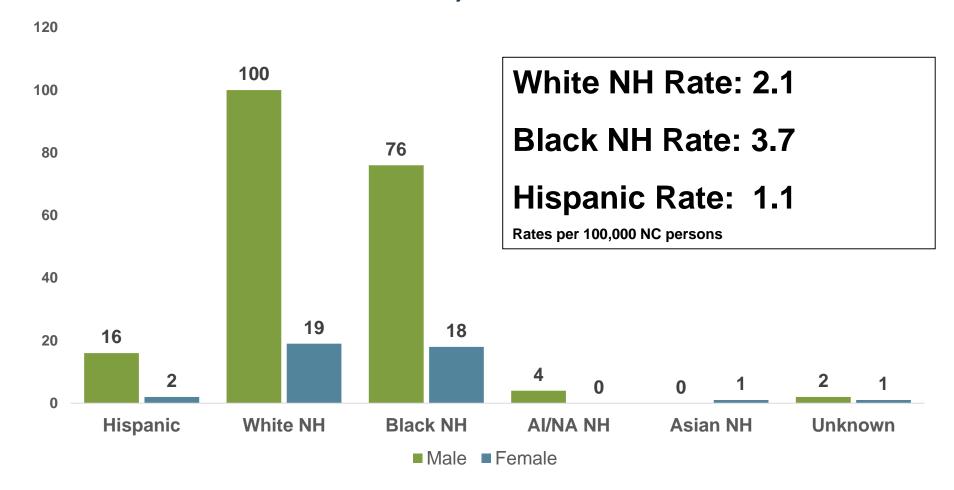
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Firearm Deaths in North Carolina: 2014-2018*

NC all ages= 6,477 NC ages 0-17= 239



Firearm Death Counts/Rates by Race ages 0-17: NC-VDRS, 2014-2018*



***Technical Note: 239** violent deaths caused by firearms among 0-17: 2014 -2018- using May 2019 datafile 2018* data are provisional

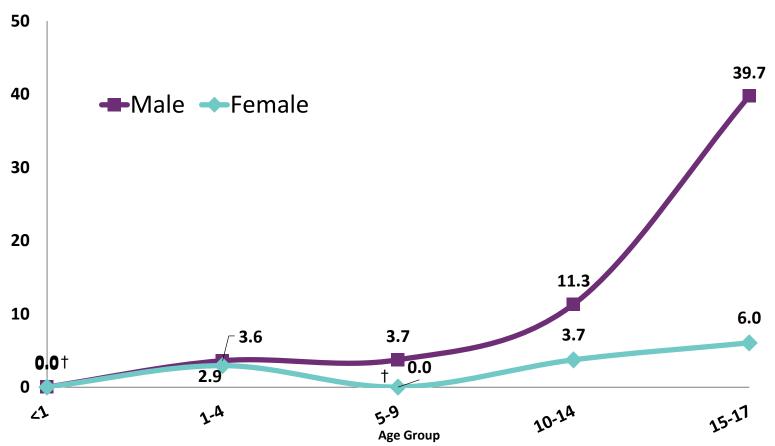
North Carolina Violent Death

NC VDRS

Reporting System



Firearm Death Rates by Sex and Age (0-17): NC-VDRS, 2014-2018*



^{*} Rate per 100,000 NC population; † <5 deaths; rate suppressed

***Technical Note: 239** violent deaths caused by firearms among 0-17: 2014 -2018- using May 2019 datafile 2018* data are provisional

North Carolina Violent Death

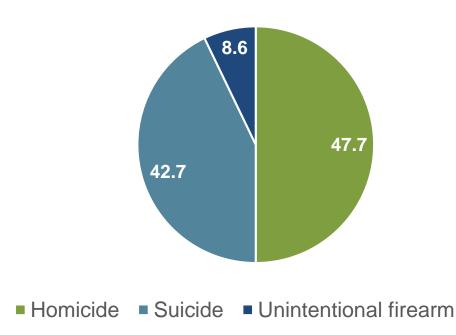
NC VDRS

Reporting System

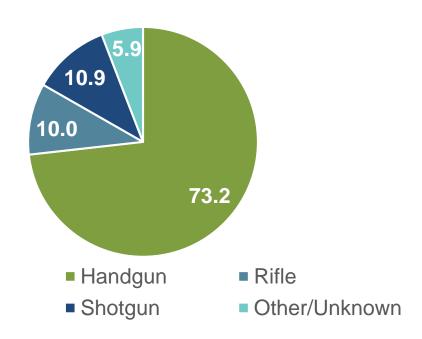


Firearm-Related Deaths by Manner and Firearm Type, <u>ages 0-17</u>: NC-VDRS, 2014-2018*

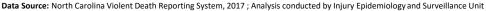
Manner by Percent



Firearm Type by Percent



Technical Note: 239 violent deaths caused by firearms for ages 0-17: 2014-2018- using Dec 2019 datafile *2018 data are provisional





Circumstances

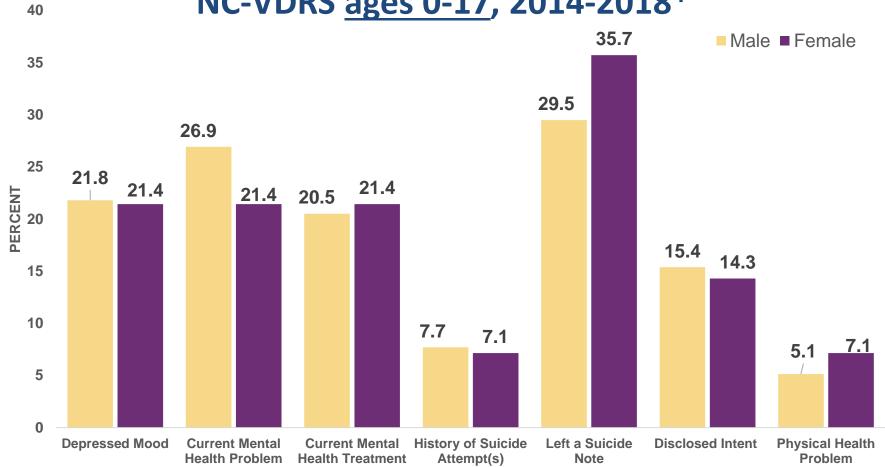
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Firearm-related Suicide Circumstances





Firearm Suicides: Percent of Circumstances: NC-VDRS ages 0-17, 2014-2018*



N= 102: total number suicide firearm deaths 0-17 N= 92: At least 1 known circumstance (90.2%)

Analysis by Injury Epidemiology and Surveillance Unit- using Dec 2019 datafile *2018 data are provisional

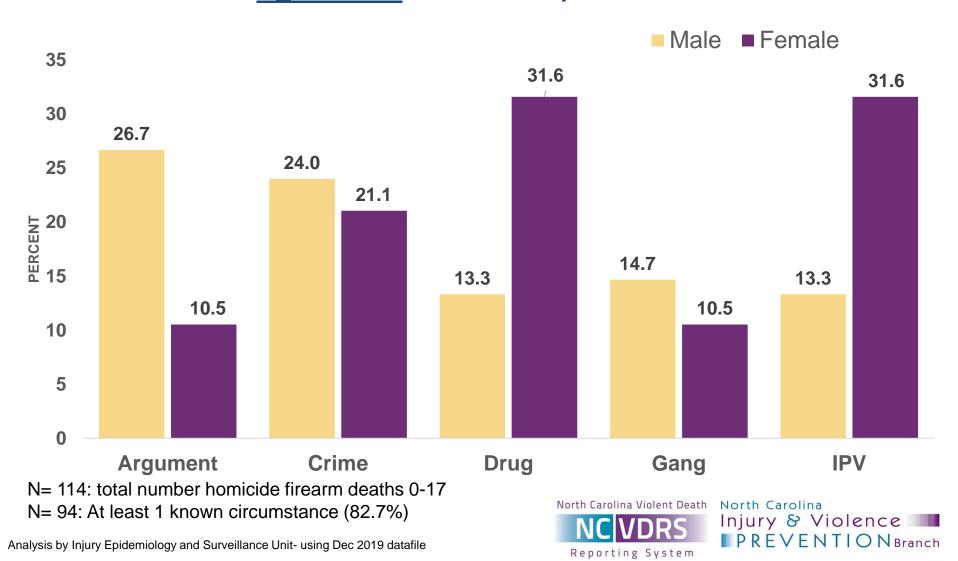




Firearm-related Homicide Circumstances



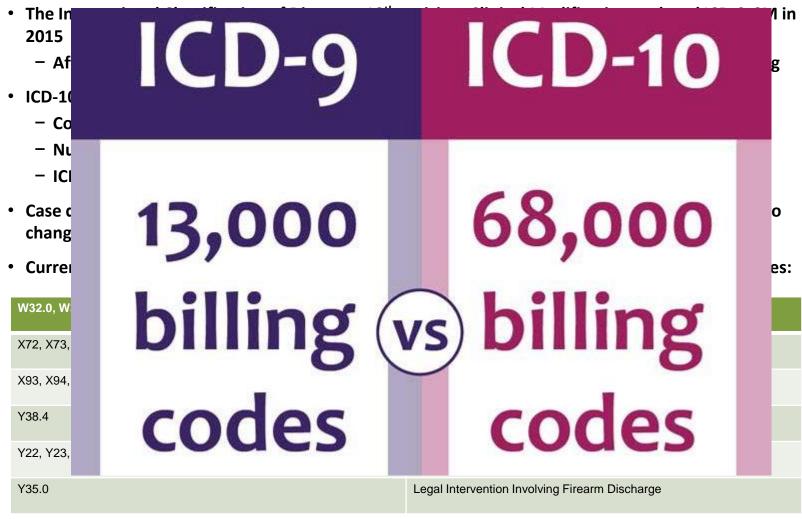
Firearm-related Homicide: Percent of Circumstances for ages 0-17: NC-VDRS, 2016-2017



Firearm-Related ED Visits

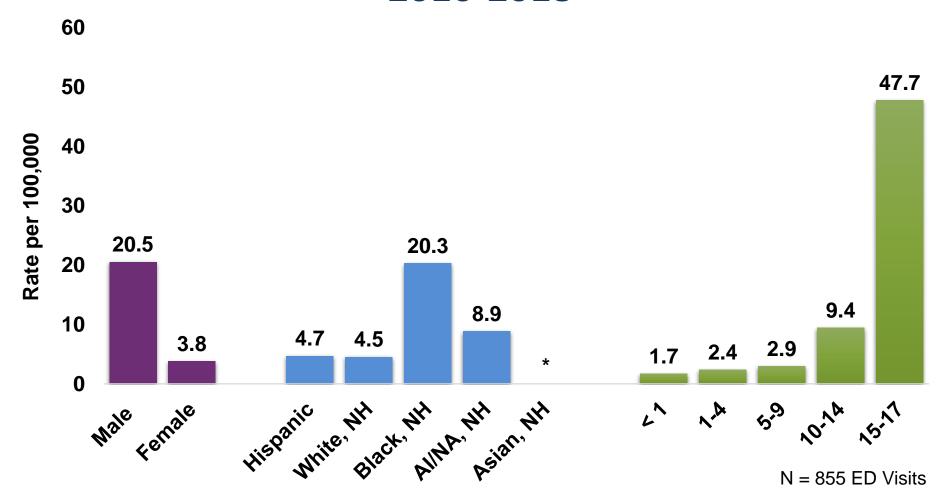


Quick Note: ICD-10-CM Transition



^{*}With a 7th character of A or missing (Initial encounter/active treatment)

Firearm-Related ED Visit (0-17) Rates, 2016-2018



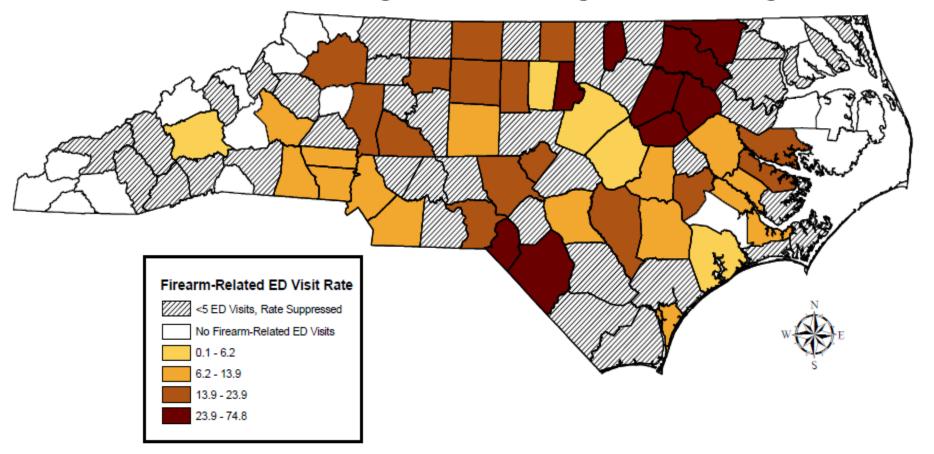
*NC Residents, 2016-2018; NH: Non-Hispanic **Source:** NC State Center for Health Statistics, Hospitalization Discharge Data (2016-2018) [Excludes Deaths]

Analysis by Injury Epidemiology and Surveillance Unit

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Firearm-Related ED Visits Among NC Residents Ages 17 and Younger, 2016-2018



N = 855 ED Visits

*NC Residents, 2016-2018;

Source: NC State Center for Health Statistics, Hospitalization Discharge Data (2016-2018) [Excludes Deaths] Analysis by Injury Epidemiology and Surveillance Unit



Firearm-Related Hospitalization (0-17) Charges, 2016-2018

•\$96,239 average charge

•\$3,477 minimum charge

•\$1,479,954 maximum charge

N = 275 Hospitalizations

*NC Residents, 2016-2018

Source: NC State Center for Health Statistics, Hospitalization Discharge Data (2016-2018) [Excludes Deaths] Analysis by Injury Epidemiology and Surveillance Unit



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4.6 MILLION CHILDREN

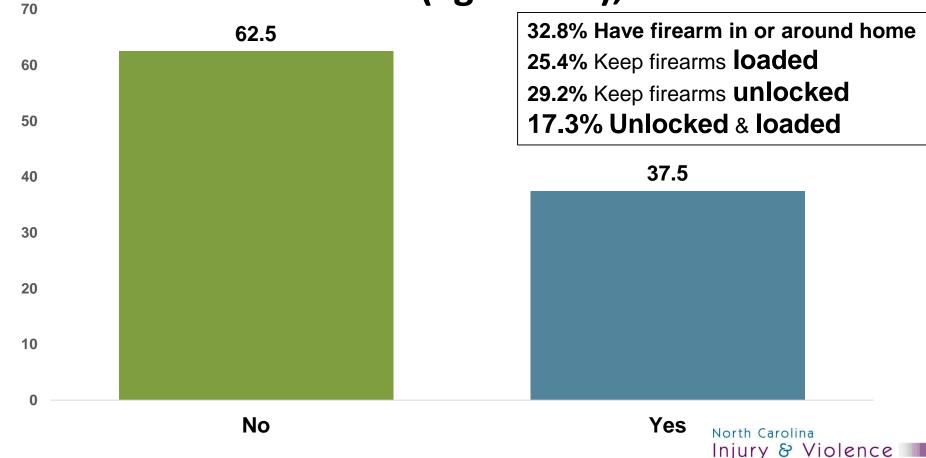


LIVE IN HOMES WHERE GUNS ARE UNLOCKED AND LOADED





Percent of NC Parents Firearm Practices (Do you use a gun or chamber lock?) NC CHAMP (ages 0-17), 2011



Data Source: NC Child Health Assessment and Monitoring Program (NC CHAMP), 2011 Analysis by Injury Epidemiology and Surveillance Unit

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