

Team 5

Annika Kruse, Emily Hathcock, Callie Rockey, Breanna Johnson

Adolescent Firearm Suicide Poster

This poster focuses on adolescent suicide by firearms in rural North Carolina, exploring its connections to broader public health issues like firearm injury and mental health resource accessibility. Emphasizing the impact of stigma in rural areas, the collection of information invites viewers to reflect on the challenges surrounding mental health care access and potential interventions.





Team 5

Assessing the Risk of Suicide by Firearms **Among Adolescents in Rural North Carolina**



Interventions Intervene in primary care settings to improve firearm safe

· Require primary care pediatrician and adolescent physicians

Train physicians on how to discuss firearms and counsel

· Offer gunlocks free of charge to all families with firearms in

· Provide mental health professionals incentives to practice in

to inquire about firearms in the household 13

the household in all primary care settings 15

Expand Telehealth mental health services¹⁶

Increase access to mental health care in rural NC:16

families on safe storage practices 14

Emily Hathcock (HPM), Callie Rockey (HB), Breanna Johnson (EQUITY), Annika Kruse (MCH)

Background

Youth suicide deaths increased by 103% fr

2011 2012 2013 2014 2015 2016 2017 2018 2019 2020

m 2011 to 2020

Suicide has steadily risen among the adolescent population. Rural-residing

adolescents are at an increased risk for suicide by firearms.²

Determinants such as environment, genetics, socioeconomic status, and behavior carry significant impacts on adolescent mental health outcomes.³

Current state and federal gun ownership and storage policies do not protect the adolescent population in the United States, especially those located in rural communities⁴

-lealth Outcomes



Majority of Suicide Deaths by Firearm Among North Carolinian adolescents aged 10-18 during 2020, 60% of suicide deaths occurred by firearm 1



Untreated Adolescent Depression In North Carolina, two out of three adolescents with



Perpetuated Cycles of Stigma The more stigma parents have received throughout their experiences, the less willing they are to seek services for their children.6

Risk Factors

- Stigma around service seeking in rural communities due to the lack of privacy accessing services, conservative religious values, and gendered structures that reinforce toxic masculinity.6,7
- Environmental factors including terrain and lack of transportation in rural areas create barriers to care.8
- The rate of low SES in rural NC contributes to toxic stress, inability to access resources, and a lack of community investment in the mental healthcare system⁹
- Cultural norms, hobbies, and laws influence firearm.
- ownership, including hunting and gender structures. $^{\mbox{\tiny 10}}$ Federal law allows adolescent firearm access if being used for farming or ranching employment.





least one firearm12 often/sometimes¹

_imitations

- Accessing healthcare in rural areas can be challenging ¹⁶ · Interventions in the primary care setting require adolescents to
- attend primary care appointments It can be challenging to enforce a new screening program²⁰
- · This is just the first step. Also need policy that advocates for the expansion of firearm violence prevention within all health care settings 13



Studies show that people are open to accessing telehealth, when opportunities are available to do so.18

storage.

Reterences



storage practices:

rural areas1

✐→

Sucide Among School Aged Youth in North Carolina Ages 10-18: 2020. Published online July 28, 2022.
Ihings Jinkuryteen, dahn cathly Say 2000 DataSaverillance/SIED/School-Aged Youth-Sucidos pdf
Jennas CC, Nauce ML, Elliott MR, Richmond TS, Schwab CW, Urban-Funza Shifts in Interformal Fiream Death: Different Causes, San doi:10.2105/sUM-44.03.10
Causes M, Wanner A, 2000 Risk Factors, Front Psychiatry, 2018;5. Accessed November 4, 2023.
https://www.tronitersin.org/articles/10.3389/fpsyc.2018.00540

32% of youth firearm suicide and unintentional

deaths could be prevented by safe firearm