



Reducing Firearm Injury & Death

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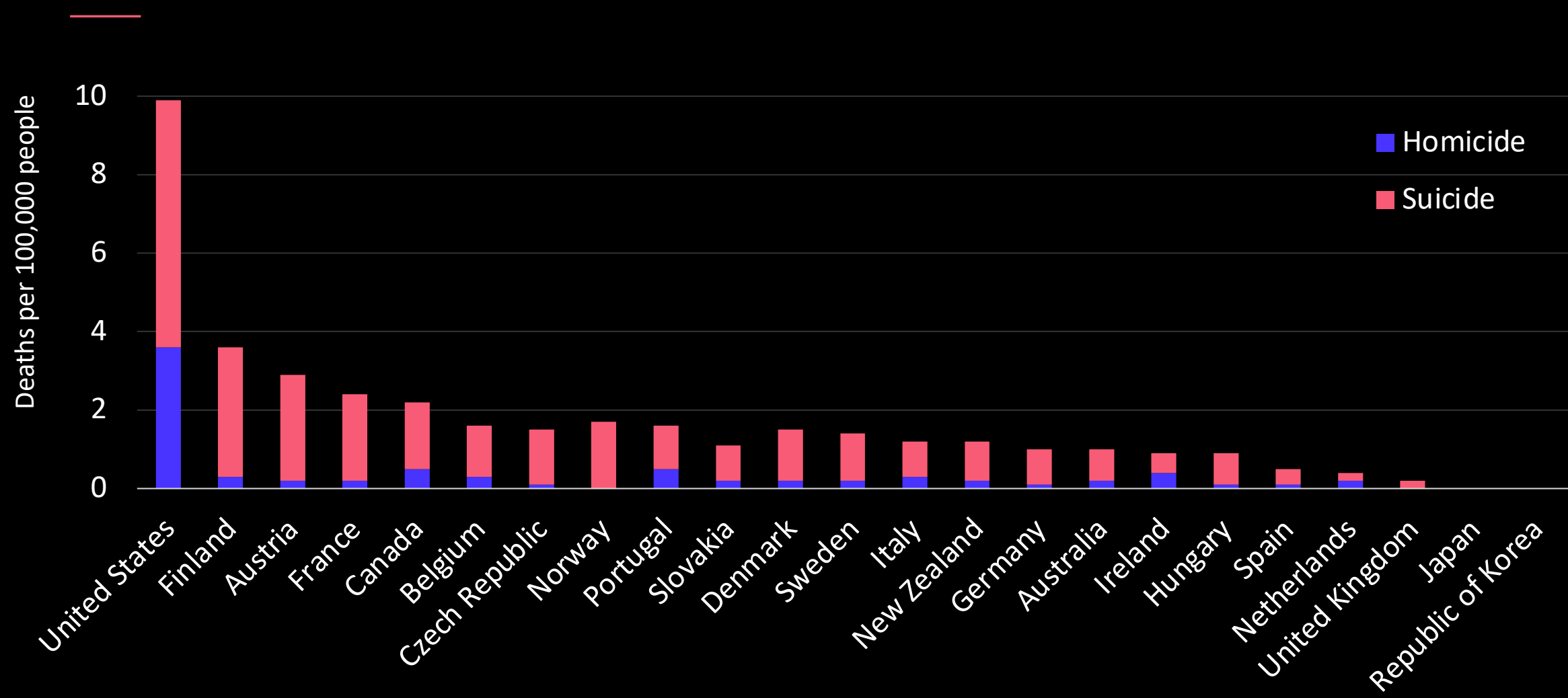


@BulletPointsProj

@amybarnhorst

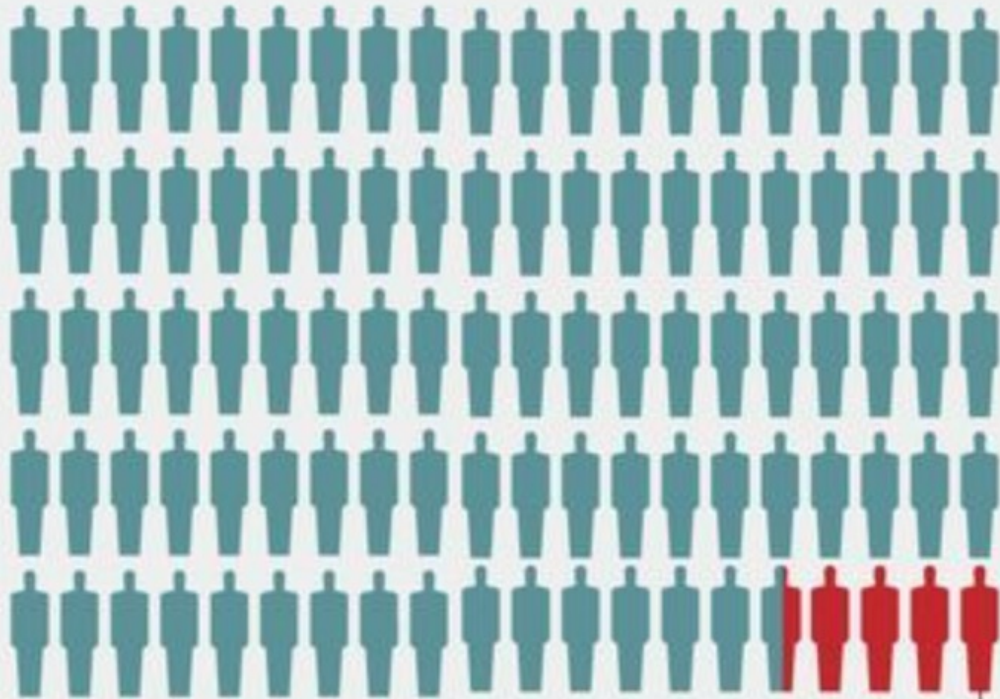
Epidemiology of Firearm Violence and Injury

Firearm Homicide and Suicide Rates by Country, 2010



Population of the world:

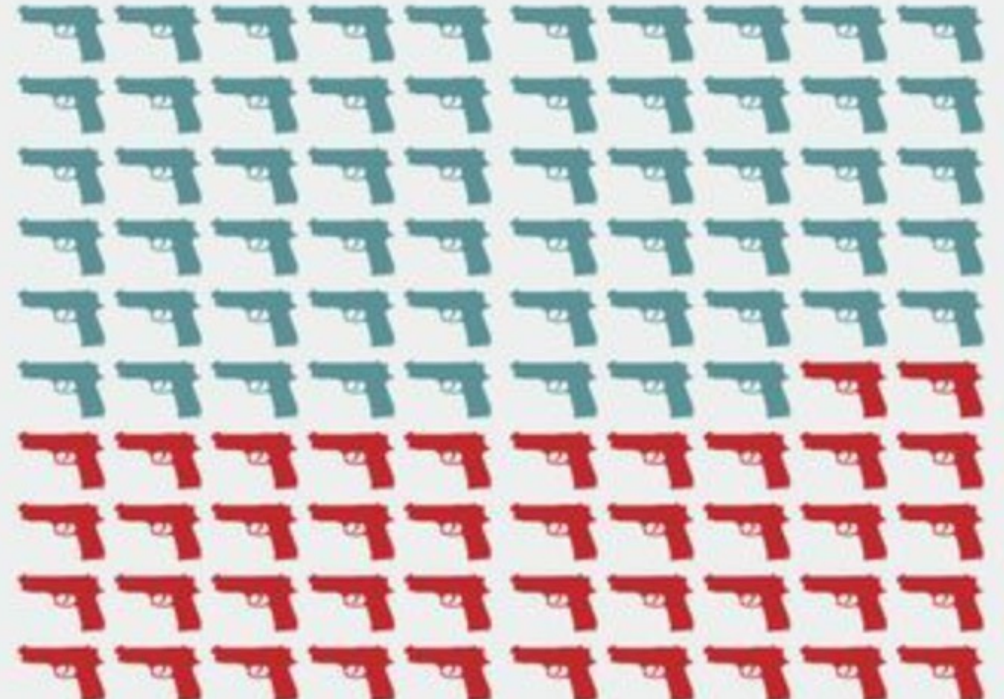
7.13 billion



Population of US: **4.43%**

Civilian-owned guns in the world:

644 million



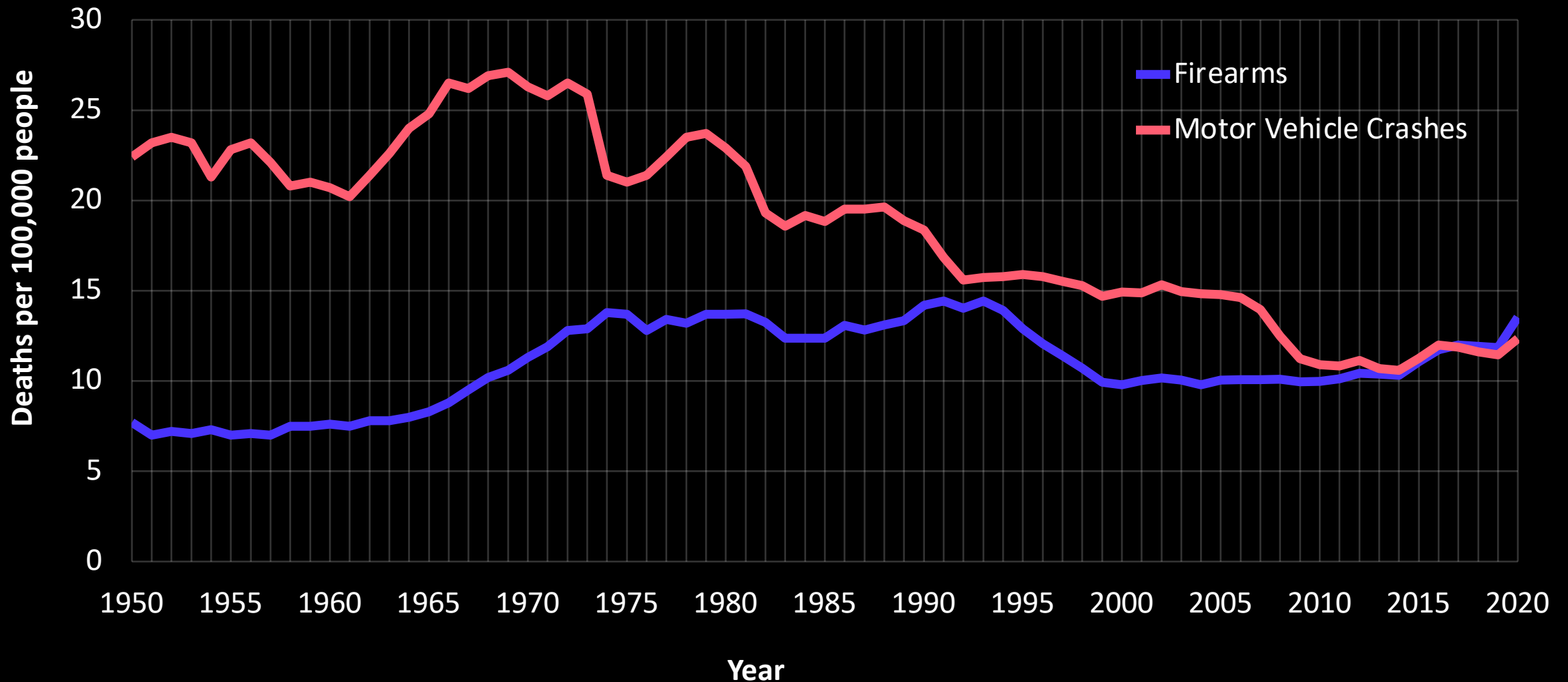
Civilian-owned guns in US: **42%**

SOURCE: UNODC, Small Arms Survey, via The Guardian.

Vox

Death Rates from Motor Vehicle Crashes and Firearms by Year

1950-2020



Data from CDC WISQARS. Firearm deaths include homicides and suicides only.

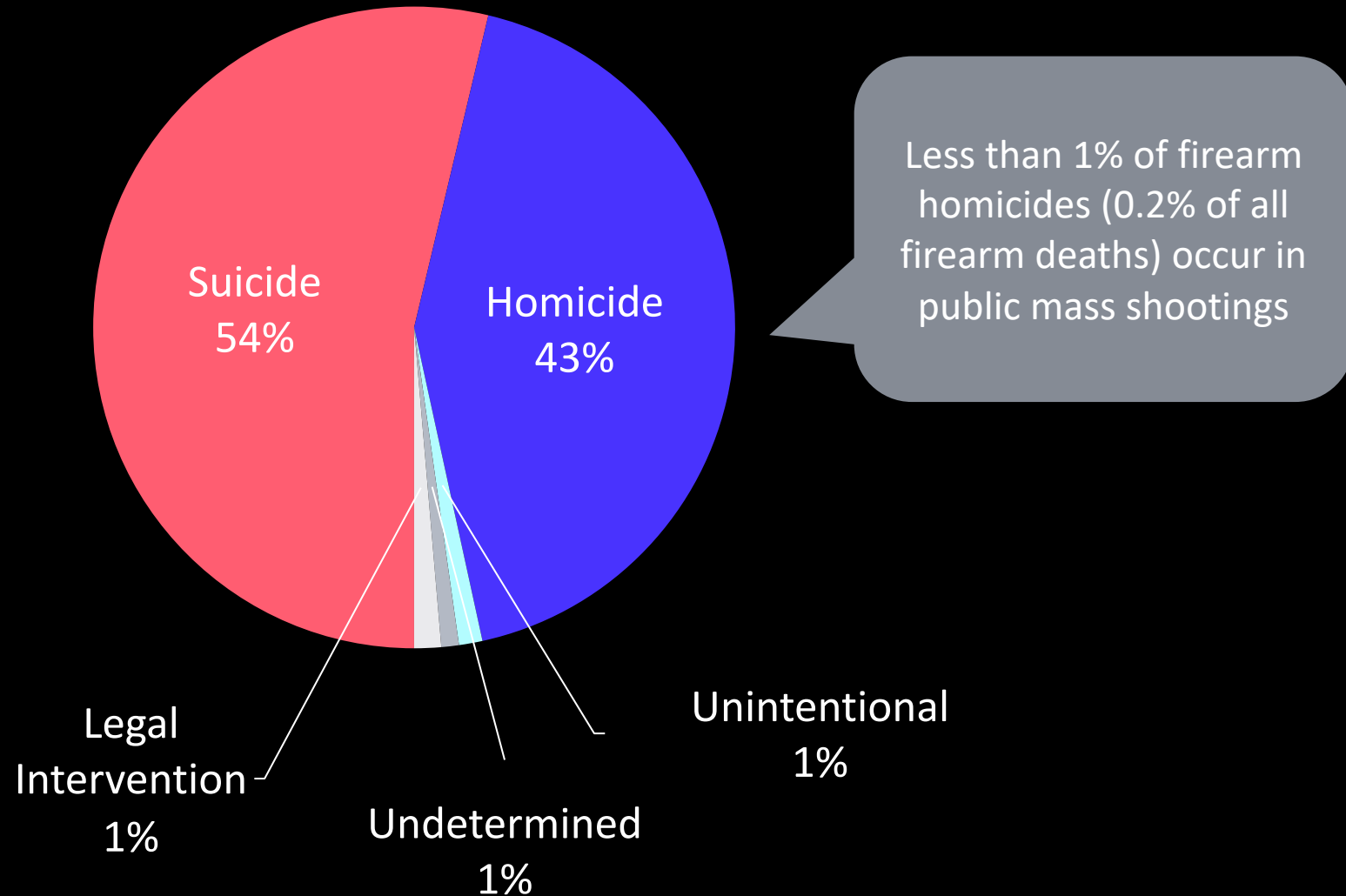
45, 222

firearm deaths in 2020

124

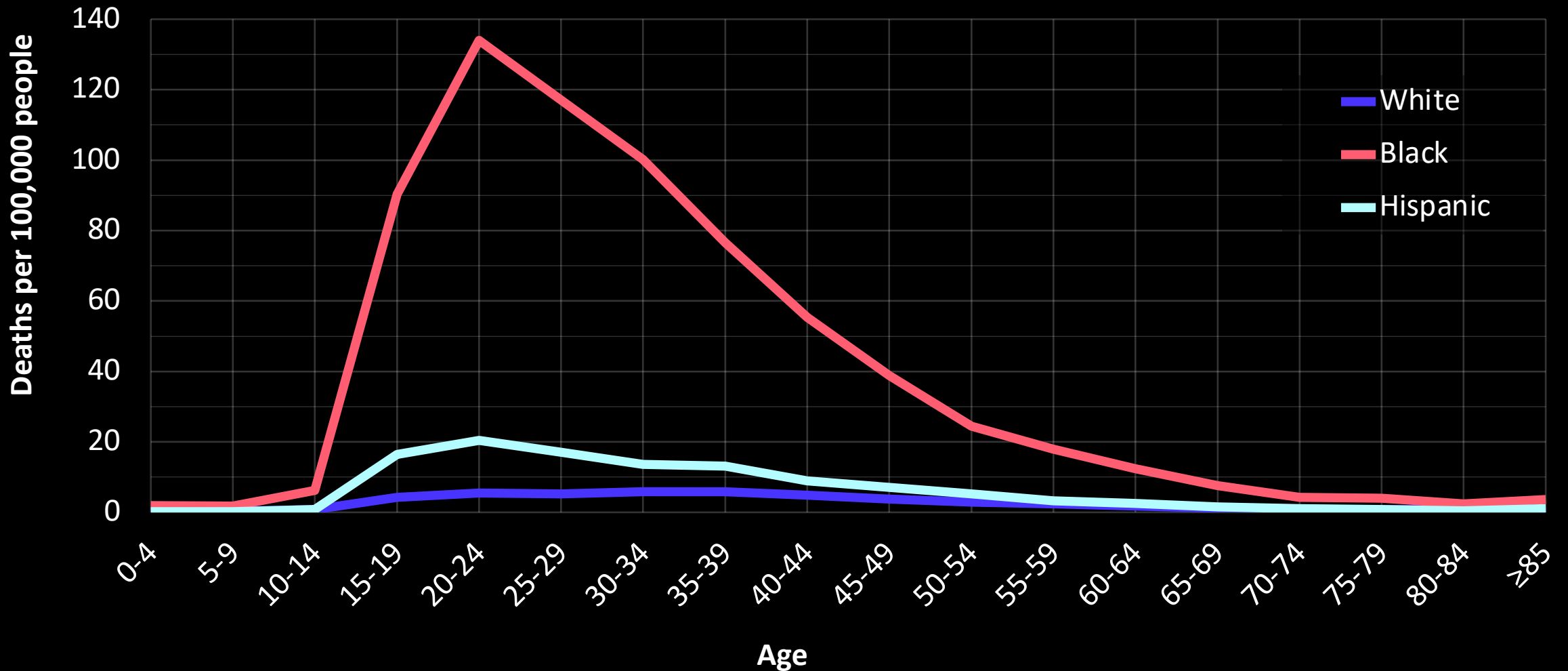
firearm deaths per day on average

Firearm Deaths by Intent, 2020



Firearm Homicide Rates by Age and Race/Ethnicity

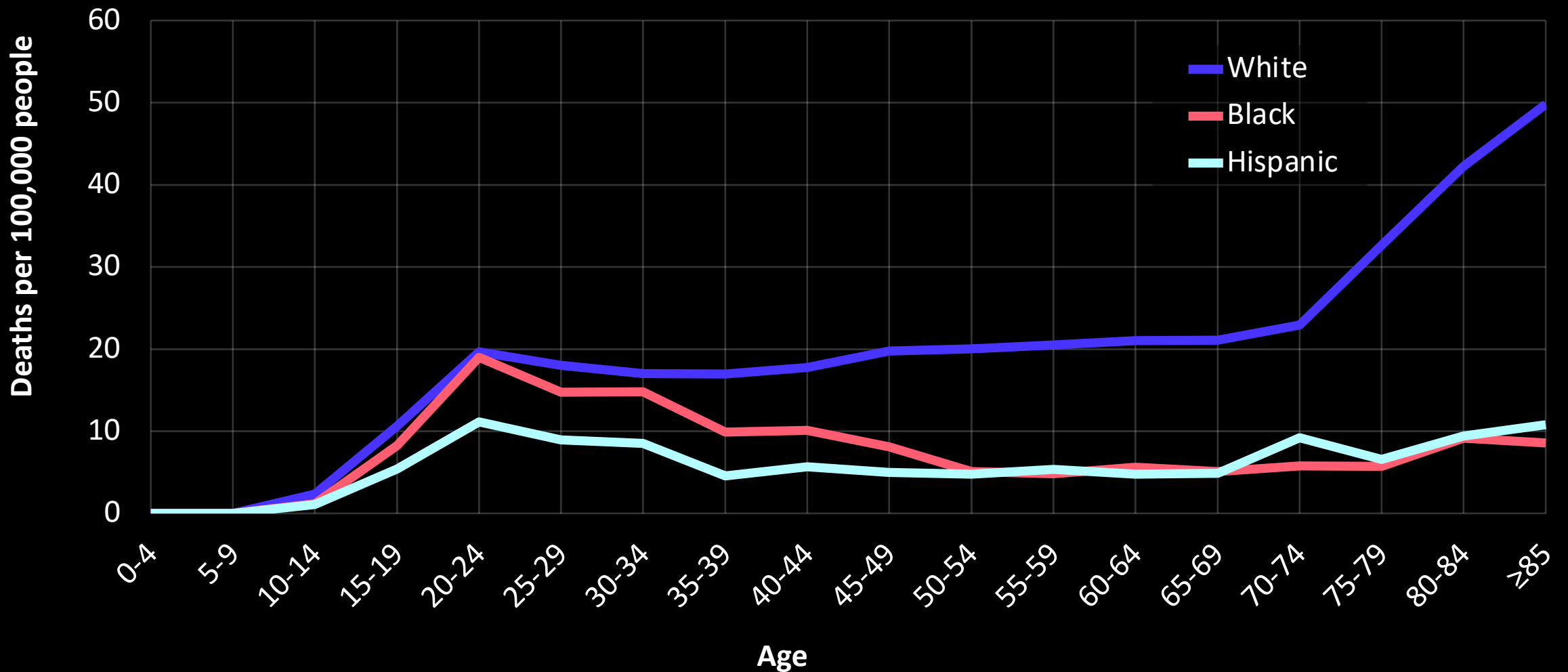
Males, 2020



Data from CDC WISQARS. Homicides do not include deaths by legal intervention.

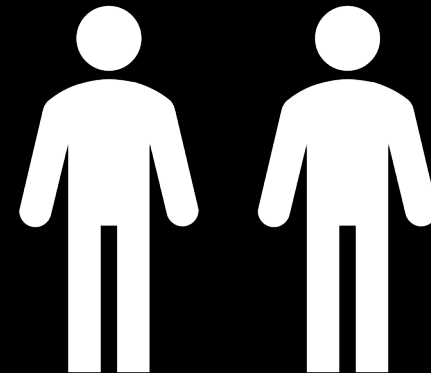
Firearm Suicide Rates by Age and Race/Ethnicity

Males, 2020



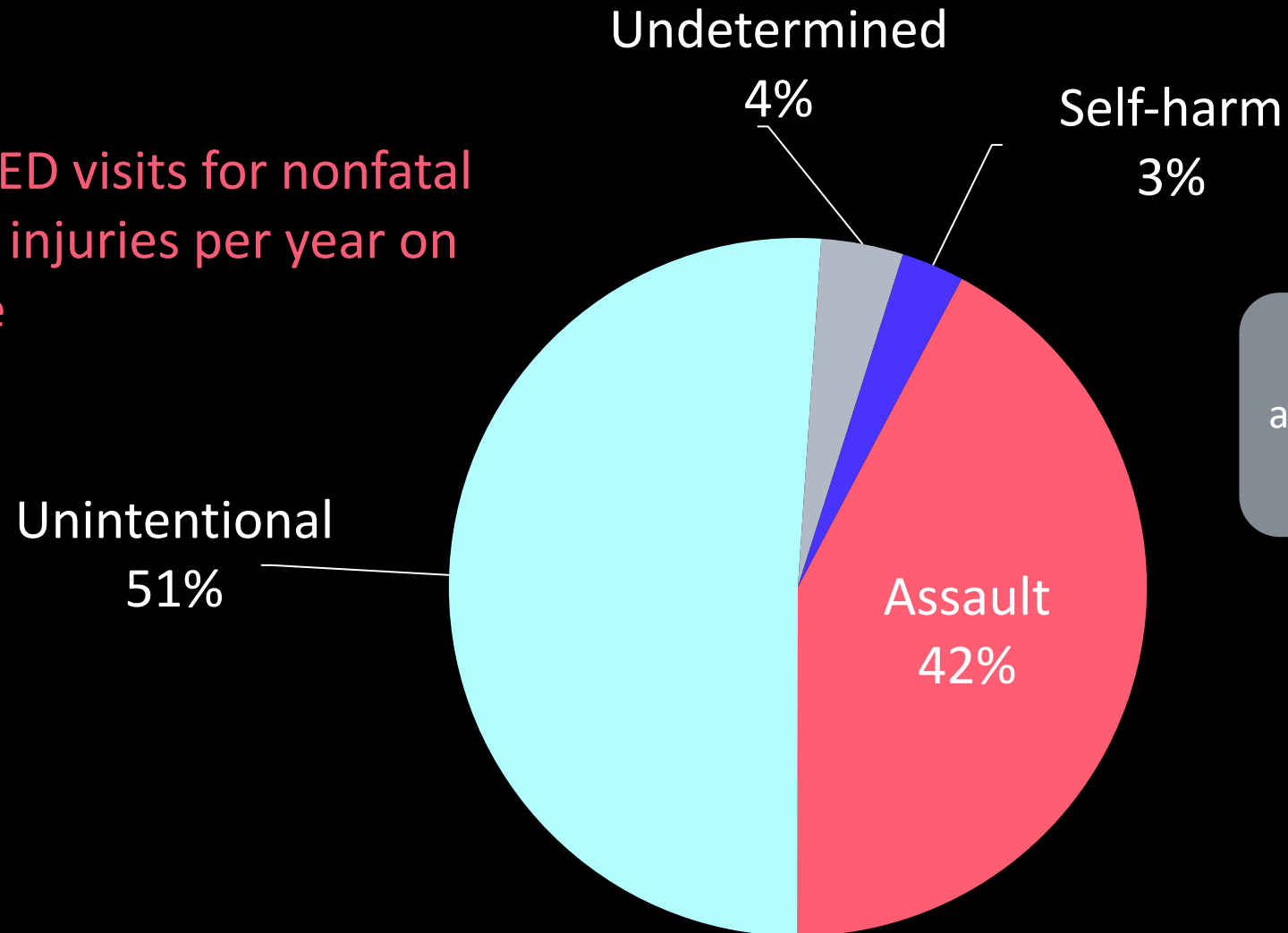
For every person who dies
from a firearm injury,

another two are shot and
survive.



Nonfatal Firearm Injuries in US by Intent 2009-2017

85,694 ED visits for nonfatal
firearm injuries per year on
average



9 in 10 suicide
attempts with a firearm
are fatal

Socioemotional consequences

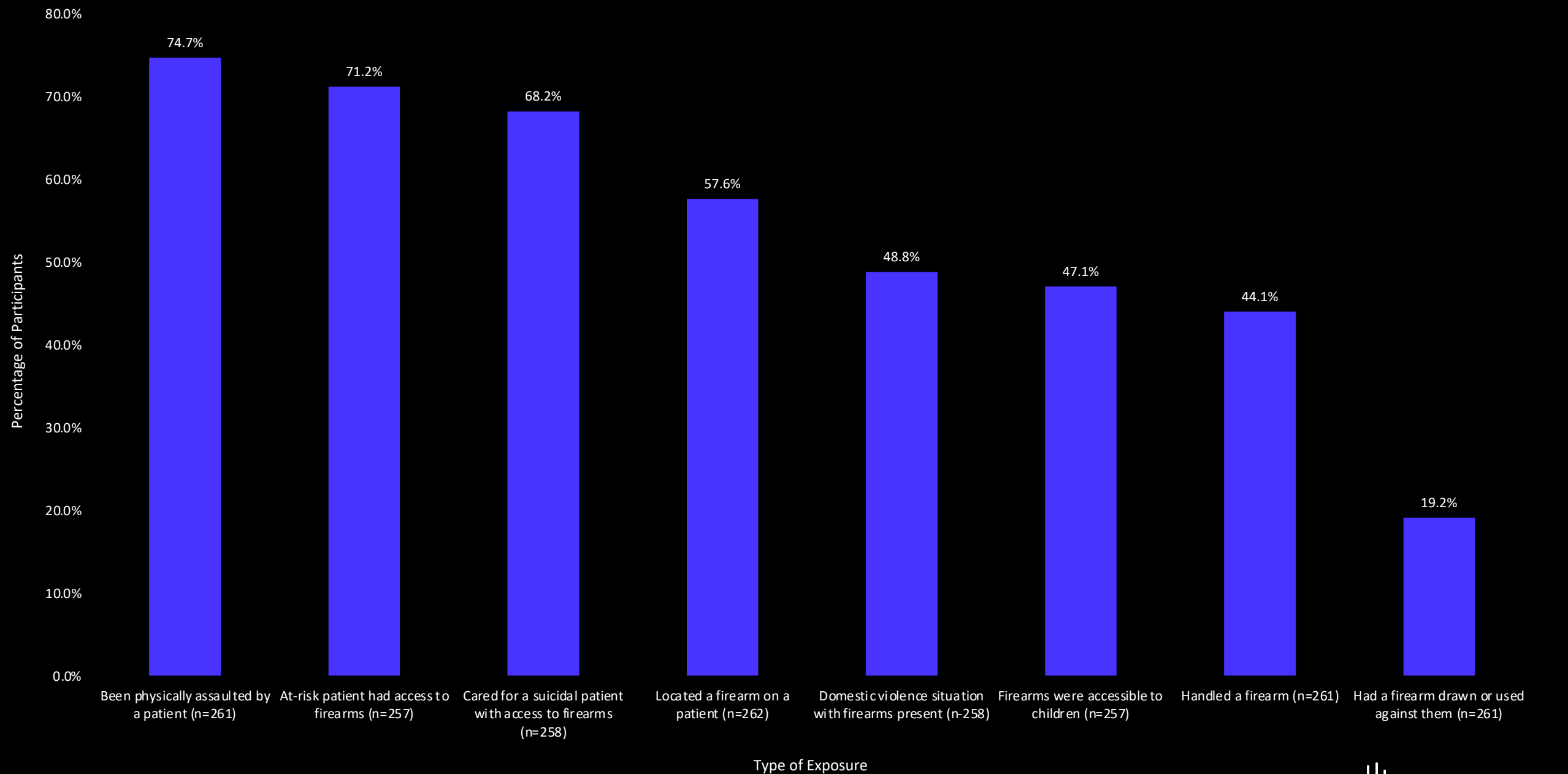


Image adapted from the Violence Policy Center

Why Firearms Curriculums for Healthcare Providers?

- Firearms injury and death are public health problems
- Physicians feel counseling is within clinical responsibilities
- Patients say generally appropriate
- Physicians often report needing more information
- Lethal means safety saves lives

Figure 1. EMS Exposure to Firearms While on Duty







BulletPoints Learning Objectives

- ▢ Identify risk for firearm-related harm and ways to engage with patients to reduce that risk
- ▢ Understand how to have culturally appropriate and respectful conversations with patients and their families to reduce risk
- ▢ Describe available interventions for patients at risk of firearm-related harm

There are no state or federal statutes
that prohibit clinicians from talking
with patients about access to
firearms.

The 3A's

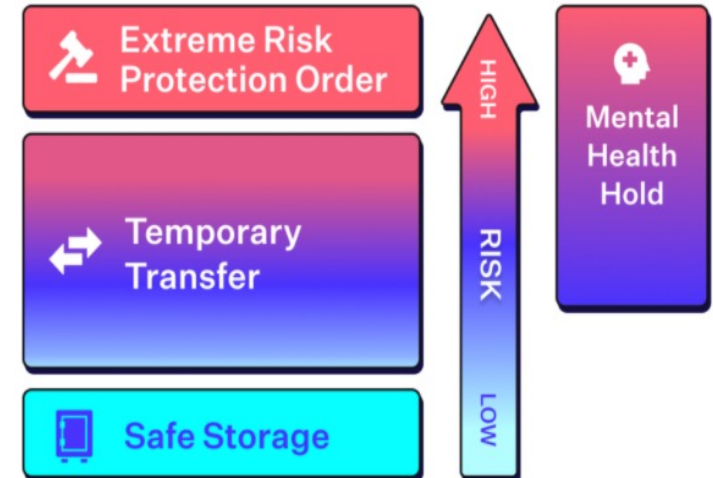
Approach

-  Informed
-  Respectful
-  Harm Reduction Focused
-  Individualized

Assess



-  Risk Factors
-  Ideation or Threats
-  Access to Guns
-  Willingness to Collaborate

Act







The 3A's

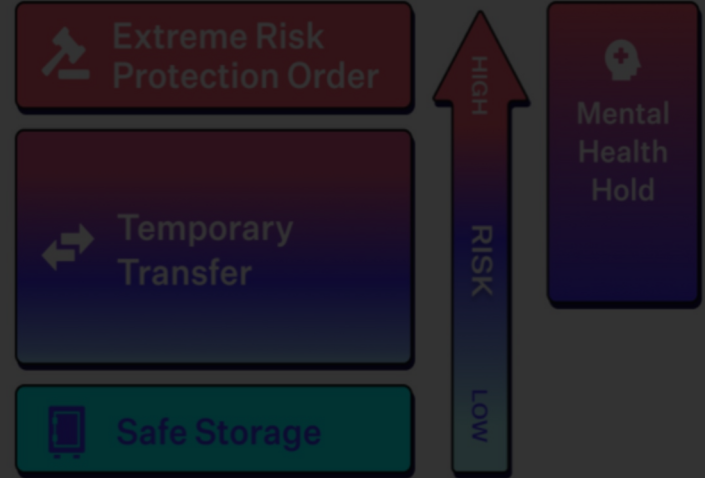
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Act




A healthcare professional, a Black man with glasses and a beard, wearing blue scrubs and a stethoscope, is smiling and talking to a woman and a young girl. The woman has long brown hair and is wearing a grey top. The young girl has brown hair in pigtails and is wearing a pink shirt. They are in a clinical setting with a white wall and a poster in the background.


I ask all caregivers about things that pose a risk to their families: water heaters, pools, medications, firearms. What steps do you take to reduce access to firearms for those who shouldn't have it?


The 3A's Framework

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 Risk Factors


 Ideation or Threats

 Access to Guns


 Willingness to Collaborate

Act

 Extreme Risk Protection Order

 Temporary Transfer

 Safe Storage

 Mental Health Hold



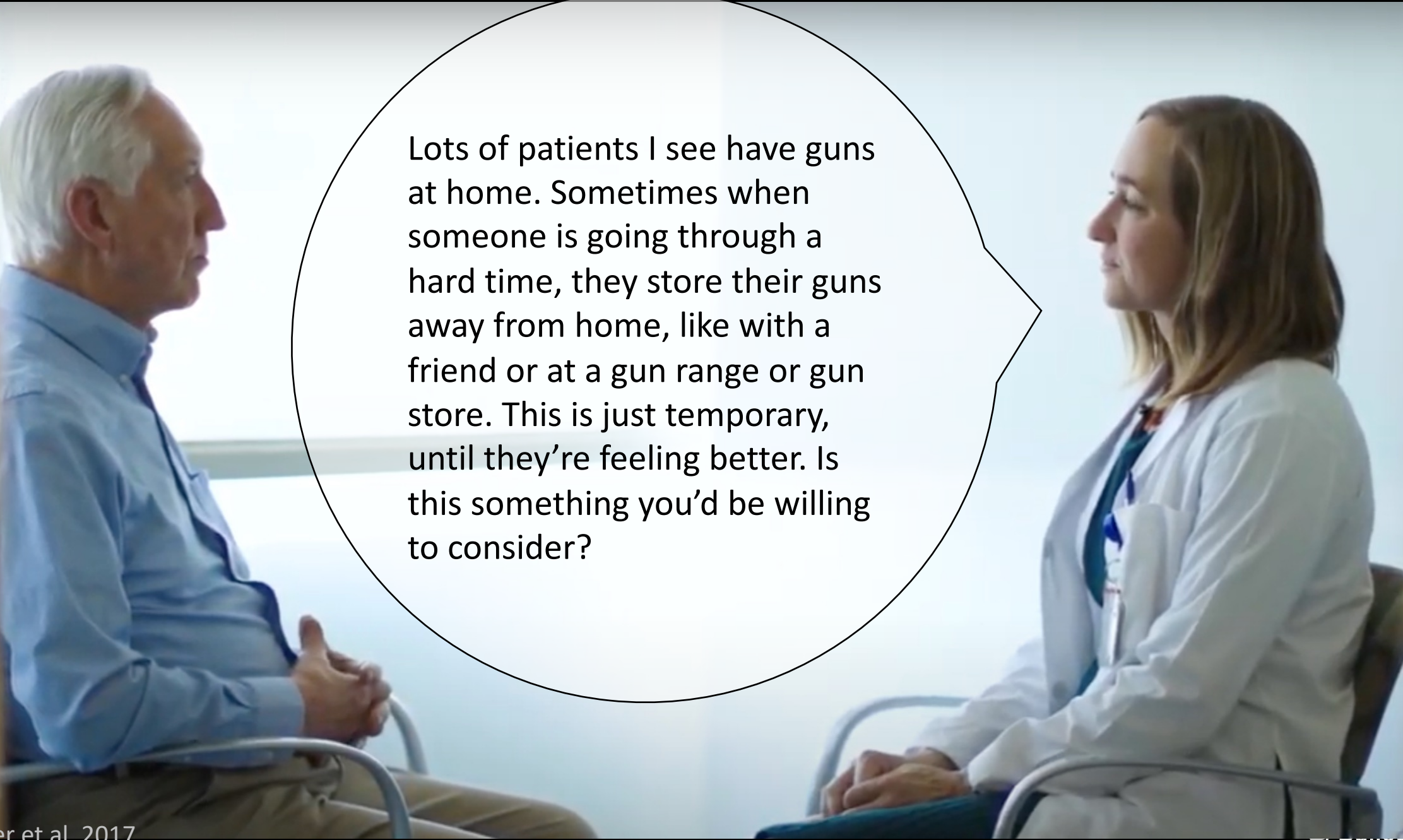
Identifying Risk

1. Certain demographic groups

2. Individual risk factors

- Prior suicidal ideation/attempt
- Present/prior violence (victimization, perpetration, exposure)
- Substance misuse
- Serious, poorly controlled mental illness
- Dementia/other cognitive impairment
- Abusive partners
- Children in the home

3. Imminent risk – ideation or threats

A photograph of a doctor and a patient sitting in chairs, facing each other in a clinical setting. The doctor, on the right, is a woman with blonde hair wearing a white lab coat. The patient, on the left, is an older man with white hair wearing a light blue button-down shirt. A large speech bubble is superimposed over the center of the image, containing text. The background is a plain, light-colored wall.


Lots of patients I see have guns at home. Sometimes when someone is going through a hard time, they store their guns away from home, like with a friend or at a gun range or gun store. This is just temporary, until they're feeling better. Is this something you'd be willing to consider?


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 Mental Health Hold

The safest way to store a firearm:



Unloaded



Locked up using a locking device

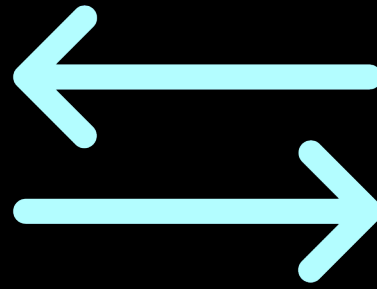


Separate from ammunition



With keys and combinations inaccessible to children and others at risk

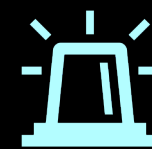
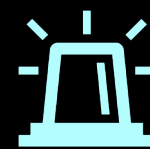
Temporary Transfers



Used when removing firearms from the home is the safest option, and the person is willing to collaborate.

- ▢ Temporary transfer to family or other trusted person
 - ▢ Background check requirements vary
 - ▢ In some places, these policies are in flux
- ▢ Temporary, voluntary storage at a gun range, store, or with a law enforcement agency*

Emergency interventions



- ▢ If the person needs mental health treatment, consider a mental health hold
- ▢ If the person is not willing to relinquish their firearms, consider an Extreme Risk Protection Order for temporary, involuntary removal of guns

These two are not mutually
exclusive

Mental Health Holds (5150)

- ❑ Involuntary psychiatric hold for dangerousness to self or others (or grave disability)
- ❑ In emergency situations, mental health holds can bring someone at risk of harming themselves or others into mental health treatment.
- ❑ Allows for temporary removal of gun *in a person's possession* when they are detained for an emergency psychiatric evaluation

An emergency mental health hold or even a hospitalization does not guarantee the person won't have continued firearm access

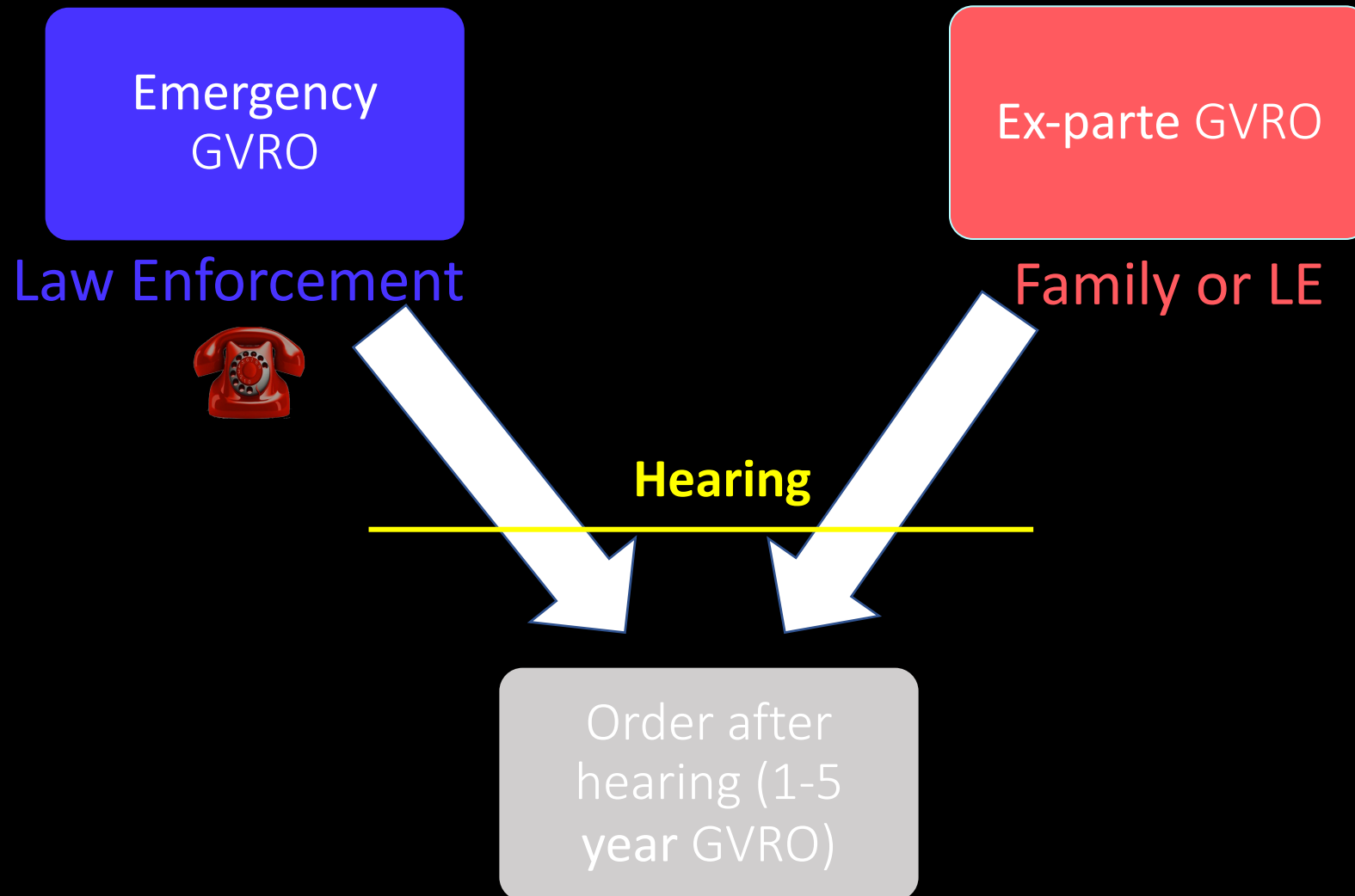
Gun Violence Restraining Orders



Gun Violence Restraining Orders

- ▢ Allows family members or police to petition to have a person's guns removed based on a concern for violence in the near future
- ▢ Modelled closely after DVRO
- ▢ No criminal activity required
- ▢ No mental health evaluation or history required

Gun Violence Restraining Orders



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For every 10-20 risk warrants issued,
one life is saved

For More Information



www.bulletpointsproject.org



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[@BulletPtsProj](https://twitter.com/BulletPtsProj)



[The BulletPoints Project at UC Davis](#)



Register for our brand new, on-demand continuing education course, [Preventing Firearm Injury](#) with Robin Cogan and watch the 14th talk of our webinar series – “[The Impact of Firearm Violence](#)”

! Read our [new blogpost](#) with school nurse [health.](#)



Suicide

Veterans

Unintentional Injury

Intimate Partner Violence

Mass Shootings

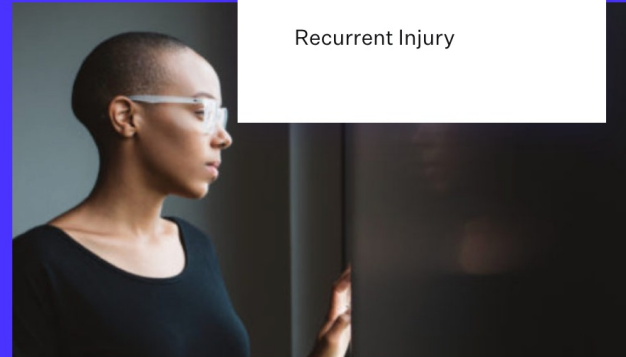
Dementia

Community Gun Violence

Recurrent Injury

The BulletPoints Project

Clinical tools for preventing firearm injury



Questions?