

Treating Gun Violence as a Public Health Crisis



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Your Menu for Tonight...



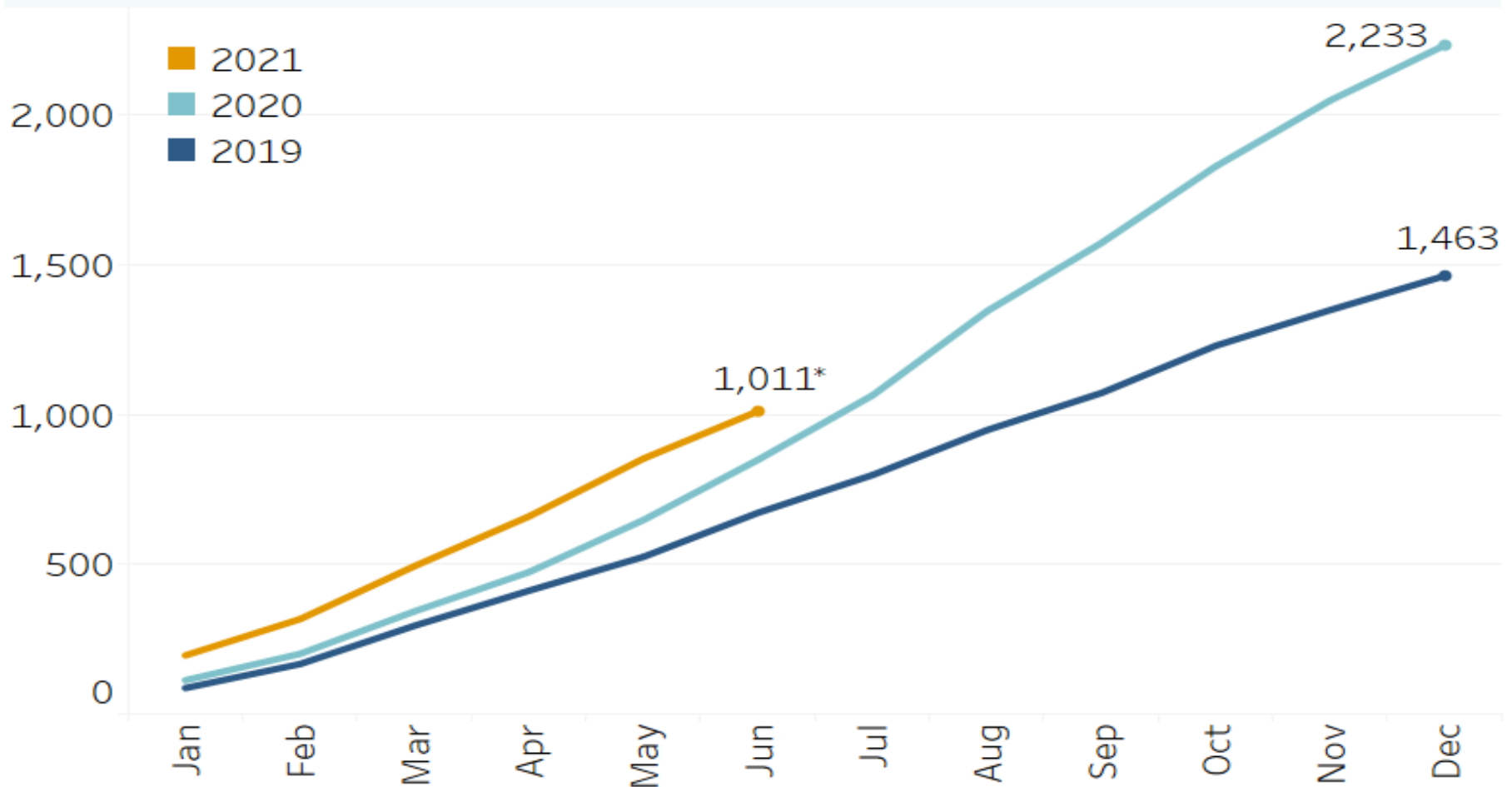
- Violence, Health & Public Health
- The Problem: Many Roots, Lot of Branches
- Interventions: Many Systems / Many Levels
- Promise of community-engaged solutions and multi-sector coalitions
- What Can We Do?

What Do Our Patients Experience Each Day?

Running total of shooting victims (fatal and nonfatal) in Philadelphia, 2019-2021

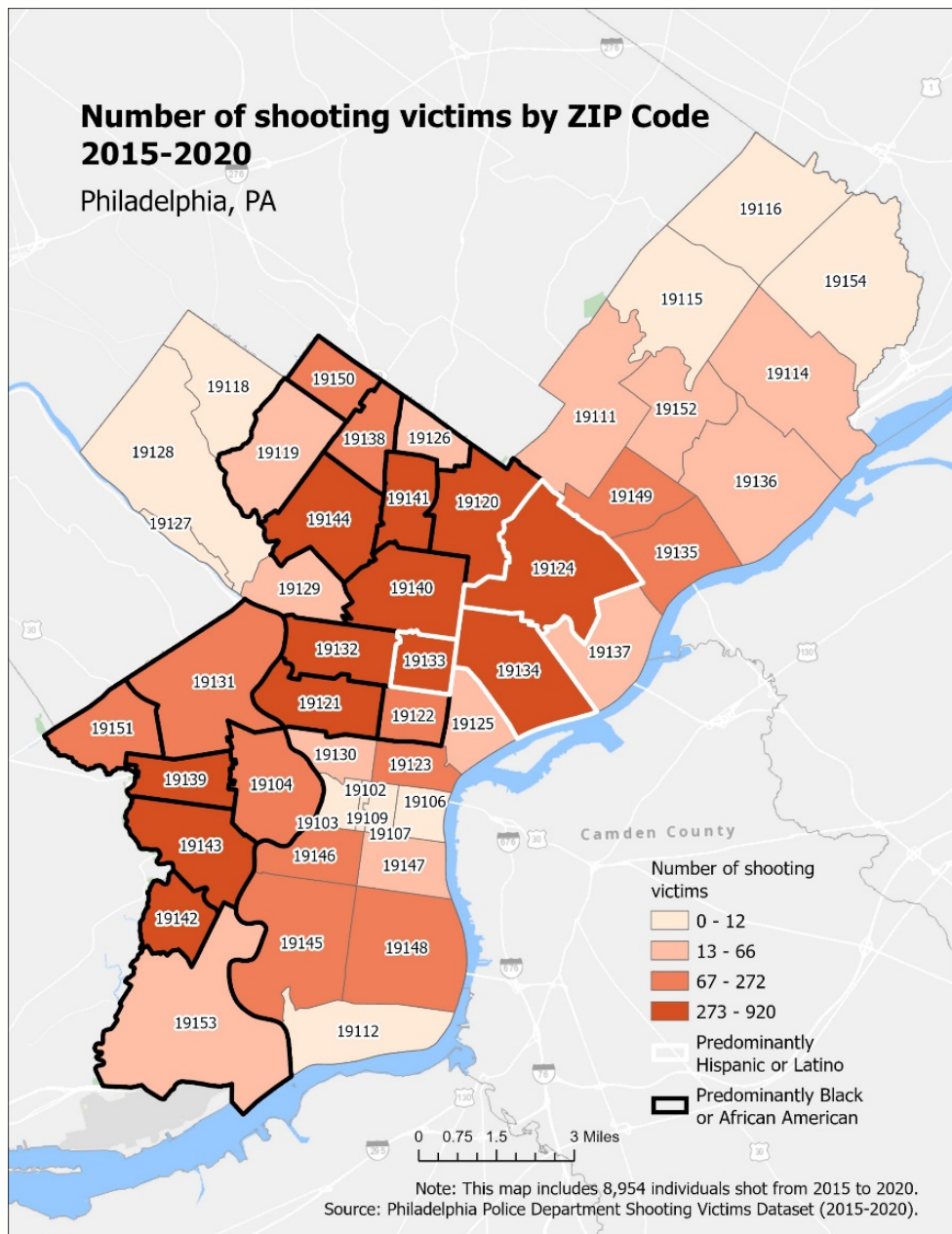
*2021 data are through 6/21/2021

Data source: Shooting Victims Dataset, Philadelphia Police Department



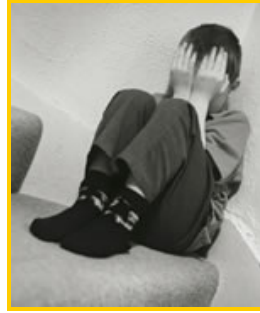
Slide courtesy of Ruth Abaya MD, MPH

What do Communities Experience Each Day?



Slide courtesy
of Ruth Abaya
MD, MPH

Violence as a Lifespan Issue



Attachment problems

Anxiety, PTSD, Somatic symptoms

Aggression, depression

Intimate partner violence

Child abuse

Bullying

Community violence

Suicide

Elder abuse

Risk taking

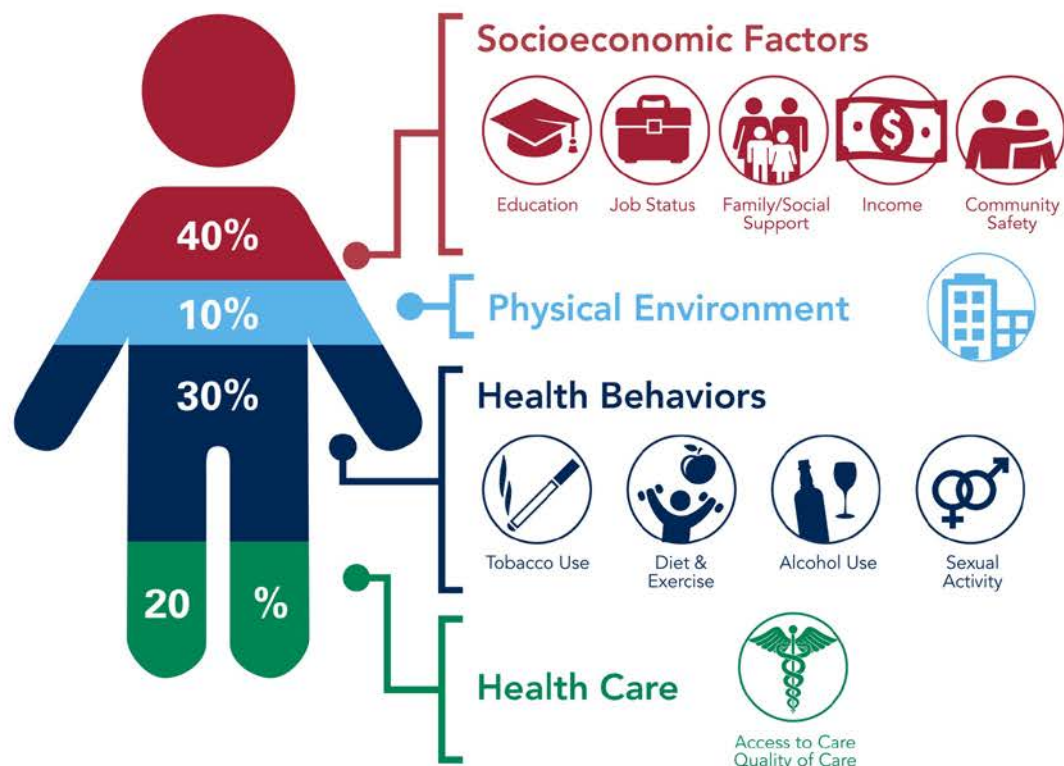
Difficult relationships

Intergenerational violence

Violence is a Social Determinant

IMPACT OF SOCIAL DETERMINANTS OF HEALTH

Social determinants of health have tremendous affect on an individual's health regardless of age, race, or ethnicity.

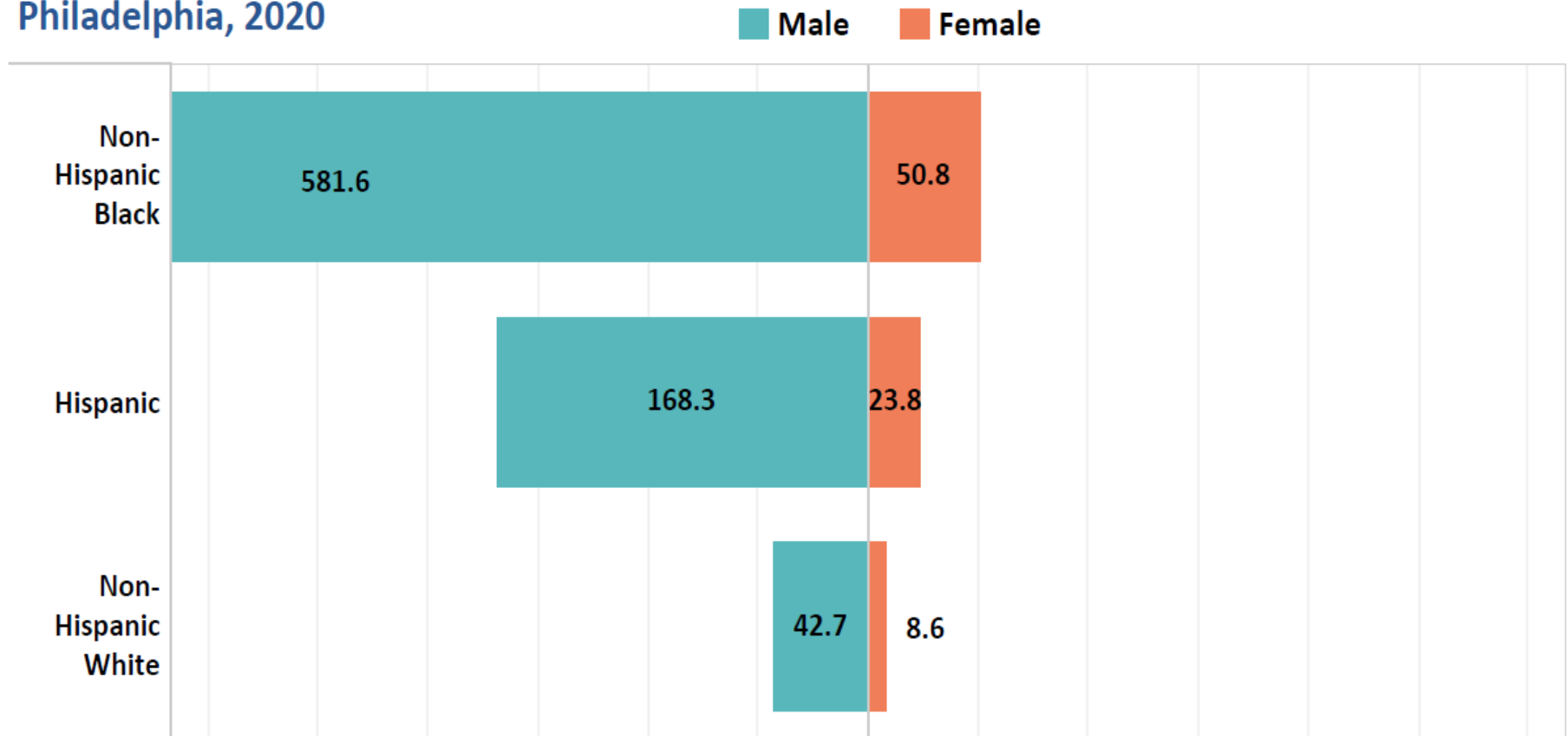


➤ SDoH Impact

- ➔ **20%** of a person's health and well-being is related to **access to care and quality of services**
- ➔ The **physical environment, social determinants and behavioral factors** drive **80%** of health outcomes

Individual-Level Disparities

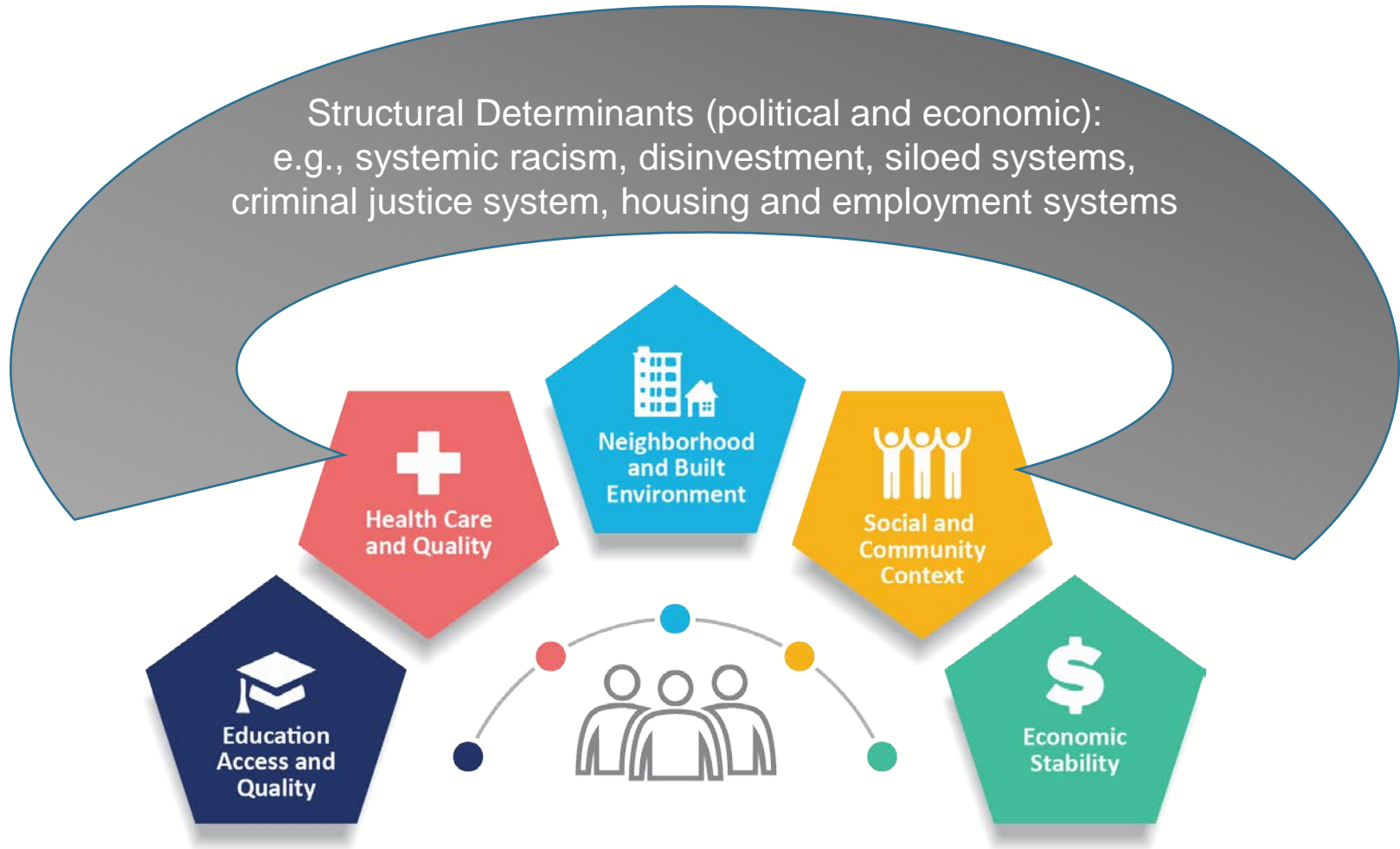
Firearm shooting (fatal and nonfatal) rate by sex and race/ethnicity per 100,000 residents in Philadelphia, 2020



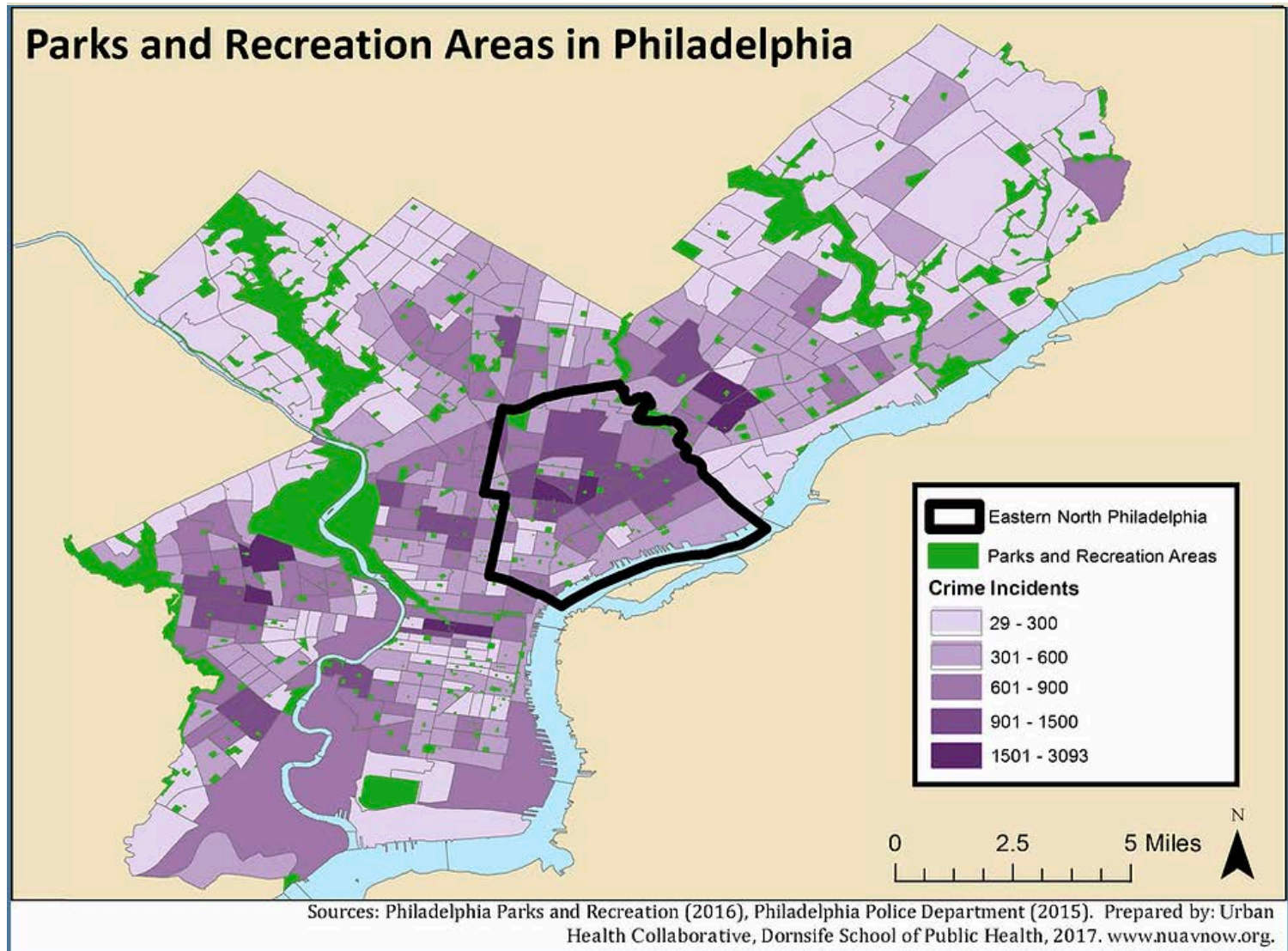
Data source: Philadelphia Police Department Shooting Victims Dataset

Slide courtesy of Ruth Abaya MD, MPH

Social Determinants of Violence

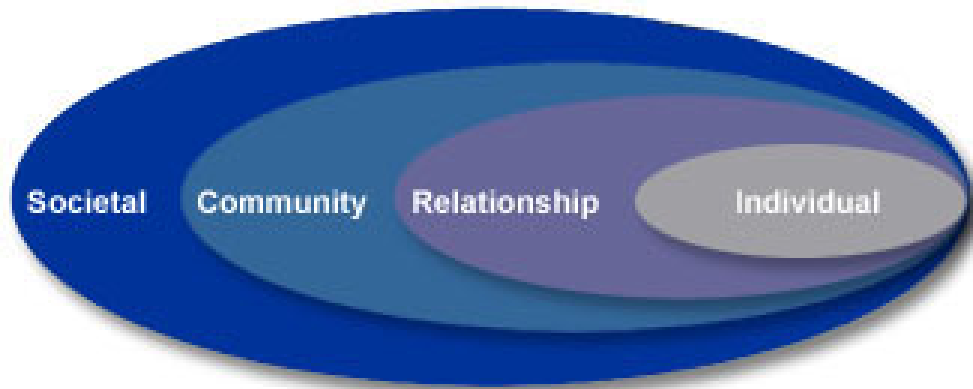


Community-Level Inequities



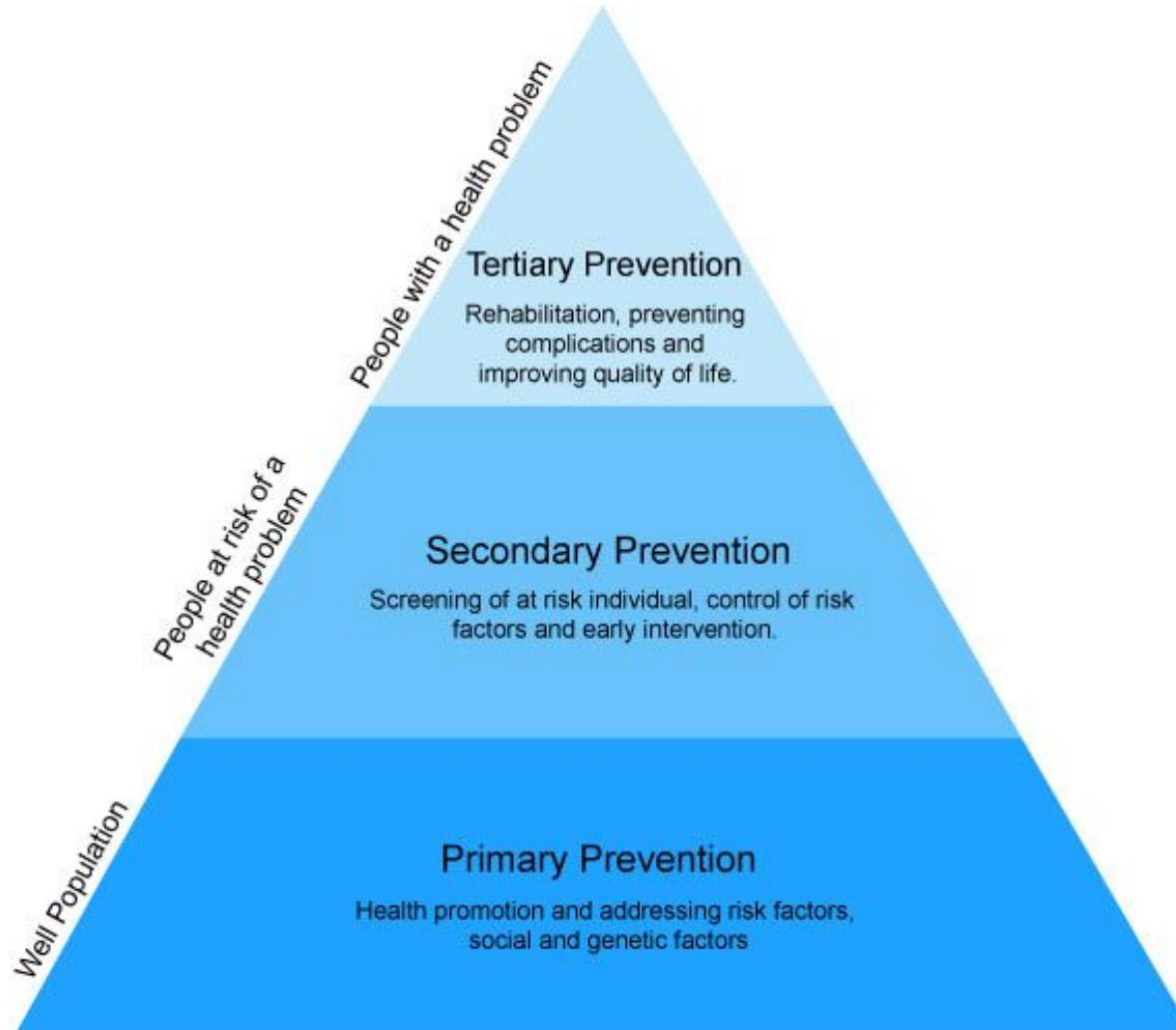
How is Violence Similar to Other Public Health Issues?

- Contagious
- Fear, distrust, panic and stigma
- Requires multimodal, multi-level approaches

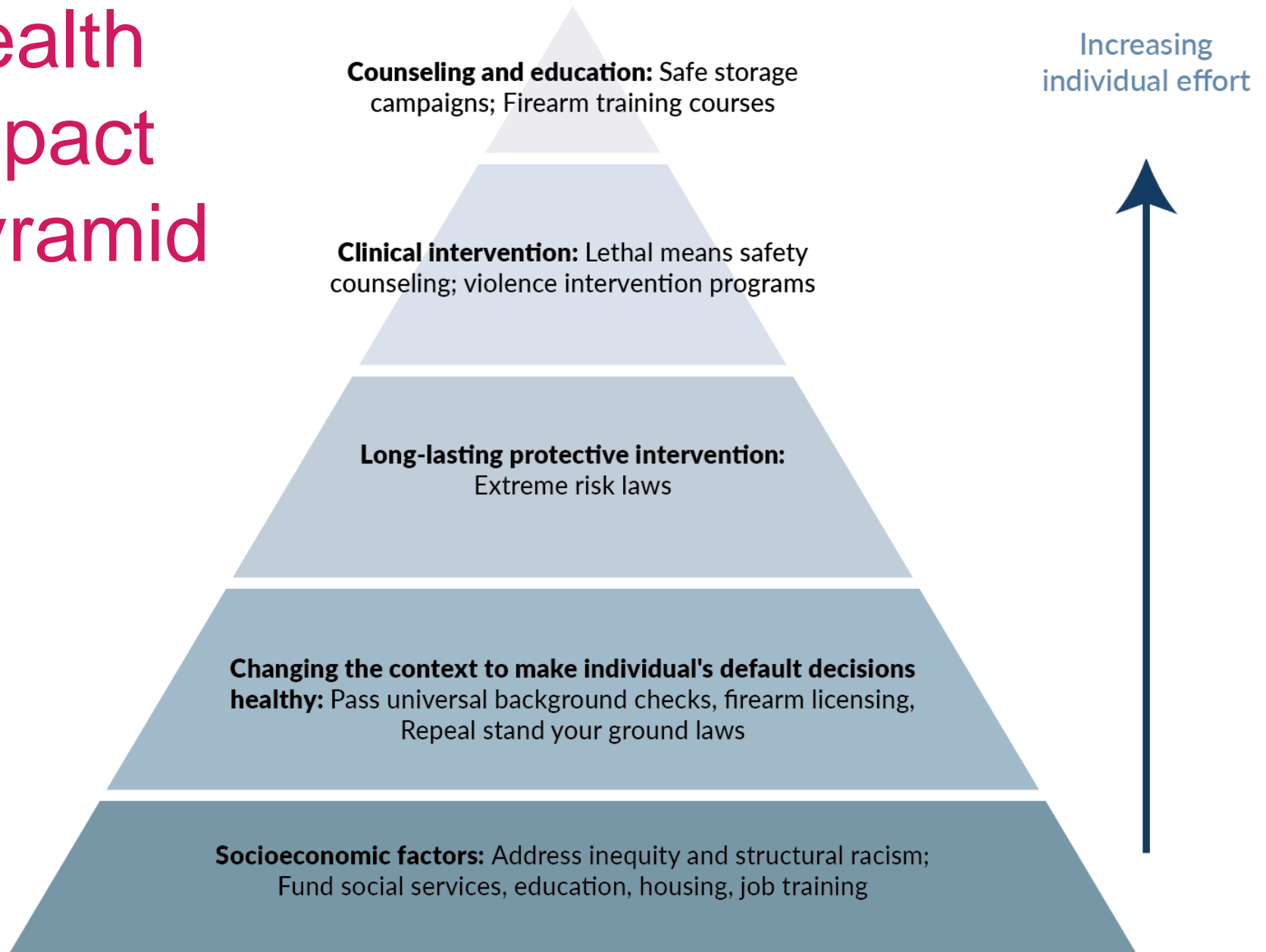


What Can We Do?

Many Levels of Prevention & Intervention



Health Impact Pyramid



The Educational Fund to Stop Gun Violence, adapted from Frieden, TR (2010).

Focus on Equity as much as Inequity

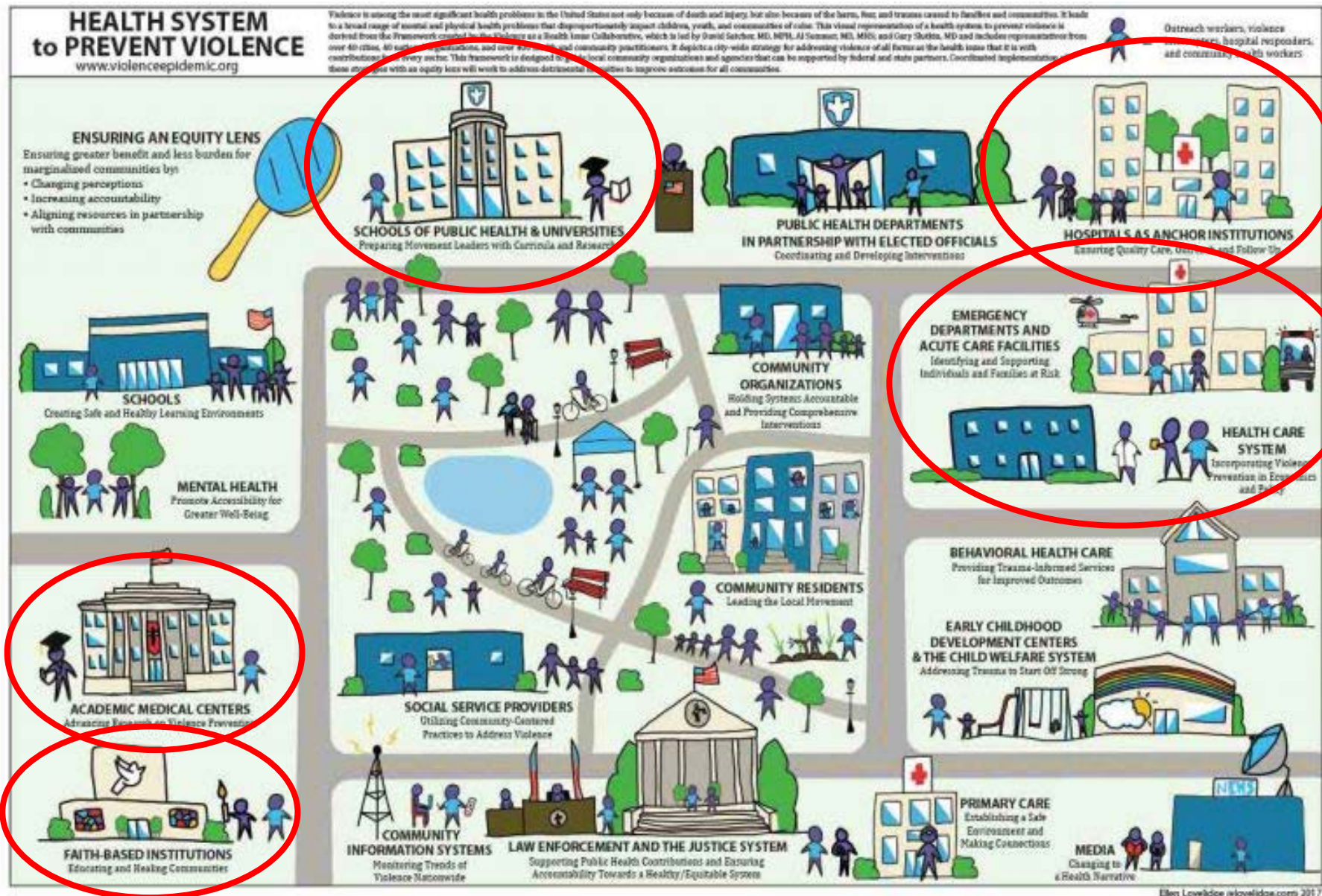
PUBLIC HEALTH PATHWAYS TO PREVENTING VIOLENCE



Prevention Institute, Community Safety Realized: Public Health Pathways to Preventing Violence (2021):
<https://www.preventioninstitute.org/publications/community-safety-realized-public-health-pathways-preventing-violence>

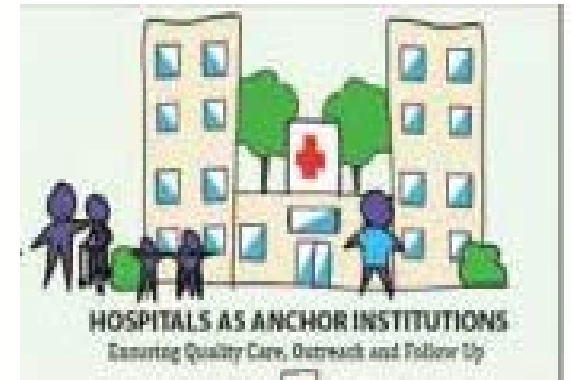


Where Do We Start?



What Can Hospitals and Health Systems Do?

- **Program**: what's happening in your own hospital?
- **Partner** with community members & organizations
- **Connect** with neighborhoods, schools, afterschool programs
- **Advocate** (local agencies and systems)



What Can a Health System Do?

Center for Violence Prevention at CHOP

GOAL: Develop and apply best practices to reduce exposure to and impact of violence among children, teens, and families



Suicide Prevention

Aggression & Bullying
Prevention Programs

Assault Injury Prevention

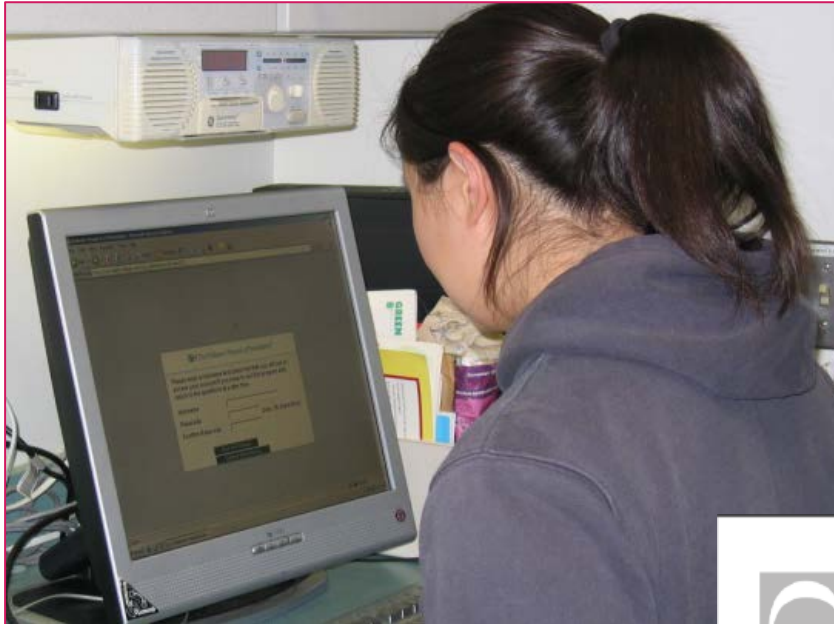
Policy Research

Intimate Partner Violence Prevention

Gun Safety

Trauma-Informed Care Training

Screening Teens for Behavioral Health




- Standard care in Emergency Department
- Primary Care, Schools
- Research

CONFIDENTIAL

BEHAVIORAL HEALTH SCREENING RESULTS

Form Version: Emergency Department
Screening Date: 05/31/2013
Screening Location: Study ED Facility
Screened By:CHANGE mo
Staff Email: mcburner@mdlogix.com, john@mdlogix.com


DTM#299

Patient: _____ Change: _____
 LAST NAME FIRST NAME

11111 07/08/1998
 MR. # DOB

INSTRUCTIONS

Review report before meeting with the patient. Review results with patient and follow standard care protocols, including referral, if necessary. Place results report in medical chart.

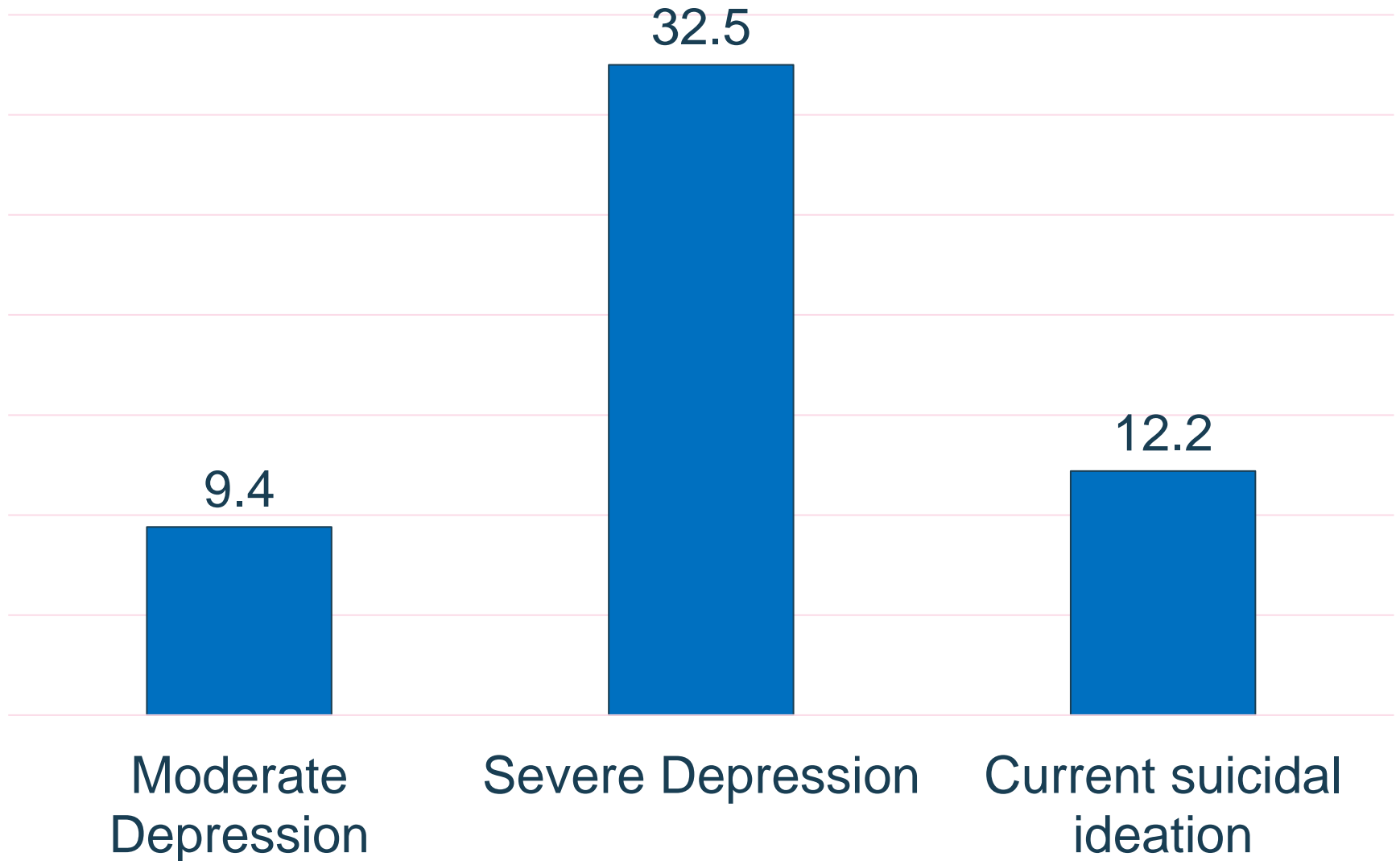
SCALES (All scales are 0 - 4. 0 = no risk and 4 = highest risk.)

Description	Scores	* Clinical Significance
Depression	0.80	Mild Depression
Suicide Ideation - Lifetime	0.00	No History
Suicide Ideation - Current	0.00	
Traumatic Distress	0.00	Not Significant
Substance Abuse	0.00	Not Significant

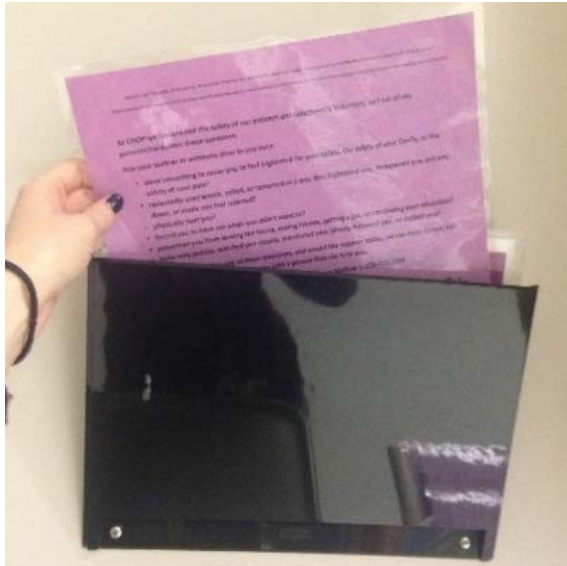
RISK BEHAVIORS

Description	Response
Is there a gun in your home?	Yes

Teens with Depression / Current Suicidal Ideation 2019-2021 (n=15,386)



Screening for Intimate Partner Violence In Pediatrics: Safe and Sensitive



Phase 1: IPV Screen Documentation and Referral Form

Adding new Record ID 824

Record ID: 824

Your CHOP username: * must provide value
Your CHOP email. Example: boldA12

Your role: * must provide value

Your screening location: * must provide value

Date: * must provide value
today's date Today M-D-Y

Patient MRN: * must provide value
patient MRN of caregiver/parent screened

EMERGENCY referral to IPV counselor: * must provide value
Is the caregiver/parent requesting an EMERGENCY/CRISIS referral?
This means that the caregiver/parent is at immediate harm and needs a safety plan prior to discharge.

For ALL EMERGENCY/CRISIS referrals please immediately contact the on-call social worker at ASCOM #10048.

In addition, please page our CHOP on-call IPV counselor at #72030 if this referral is being made Monday through Friday between the hours of 9 AM and 5 PM.

Gun Safety: Health Care Approach

- Distribute locks
- Educate

Primary Care: Well visits

ED: Behavioral health visits

Community events



GUN

SAFETY

Tips from
CHOP experts

CHILDREN ARE SAFEST IN A HOME WITHOUT A GUN.

If you have a gun in your home, keep children safe by following this advice:

- Store all guns unloaded, locked and out of sight.
- Store all bullets separately and keep them locked and out of sight.

There are many options to store your gun safely. Keep keys and combination codes hidden and secure.



Cable lock



Gun safe

TALK ABOUT GUN SAFETY WITH YOUR CHILDREN, FAMILY AND MEMBERS OF YOUR COMMUNITY.

- If your child sees a gun tell them to not touch it, move away from the area and tell a grown up immediately.
- Ask family members and friends about guns in their homes and how they keep their guns safe and out of reach before your child goes to visit.

DID YOU KNOW?

- Guns are the second leading cause of injury-related deaths for kids ages 1–17 in the U.S.¹
- Playing with a gun is the most common cause of accidental gun deaths among children.¹
- Three out of four kids ages 5–14 know where guns are kept in the home.²
- A 3-year-old is strong enough to pull the trigger of a handgun.³
- Most cases of childhood suicide involve a family member's unlocked gun.⁴
- Children may not know the difference between a toy gun and a real gun.

For more information on keeping kids safe around guns, please visit chop.edu/gun-violence-facts.

References:

- ¹ Fowler KA, et al. Childhood firearm injuries and the United States. *Paediatrics*. 2002;110(2).
- ² [readyto.gov/ready-to-go/ready-to-go/ready-to-go/ready-to-go/ready-to-go/ready-to-go](http://www.ready.gov/ready-to-go/ready-to-go/ready-to-go/ready-to-go/ready-to-go/ready-to-go)
- ³ [readyto.gov/ready-to-go/ready-to-go/ready-to-go/ready-to-go/ready-to-go/ready-to-go](http://www.readyto.gov/ready-to-go/ready-to-go/ready-to-go/ready-to-go/ready-to-go/ready-to-go)
- ⁴ www.fbi.gov/newsroom/speeches/2008/08/28/082808a

CH Children's Hospital
of Philadelphia
Center for Violence Prevention

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Learn how to use gun locks and lock boxes. Use the camera or QR code reader on your phone to scan the code to watch an instructional video.



Outside Our Walls: From Hospital to Community



Bullying Prevention

- **PRAISE**

- **Classroom-based bullying prevention (elementary schools)**

- **Friend to Friend**

- **School-based group intervention for relational aggression**

- **Bullying Screening in Primary Care**

- **Screening tools, handouts, in individualized workflow**
- **Can be used across entire CHOP enterprise**



Assault Injured Youth: Violence Intervention Program (VIP)



In-depth
family
assessment



Trauma
Informed
Case
Management

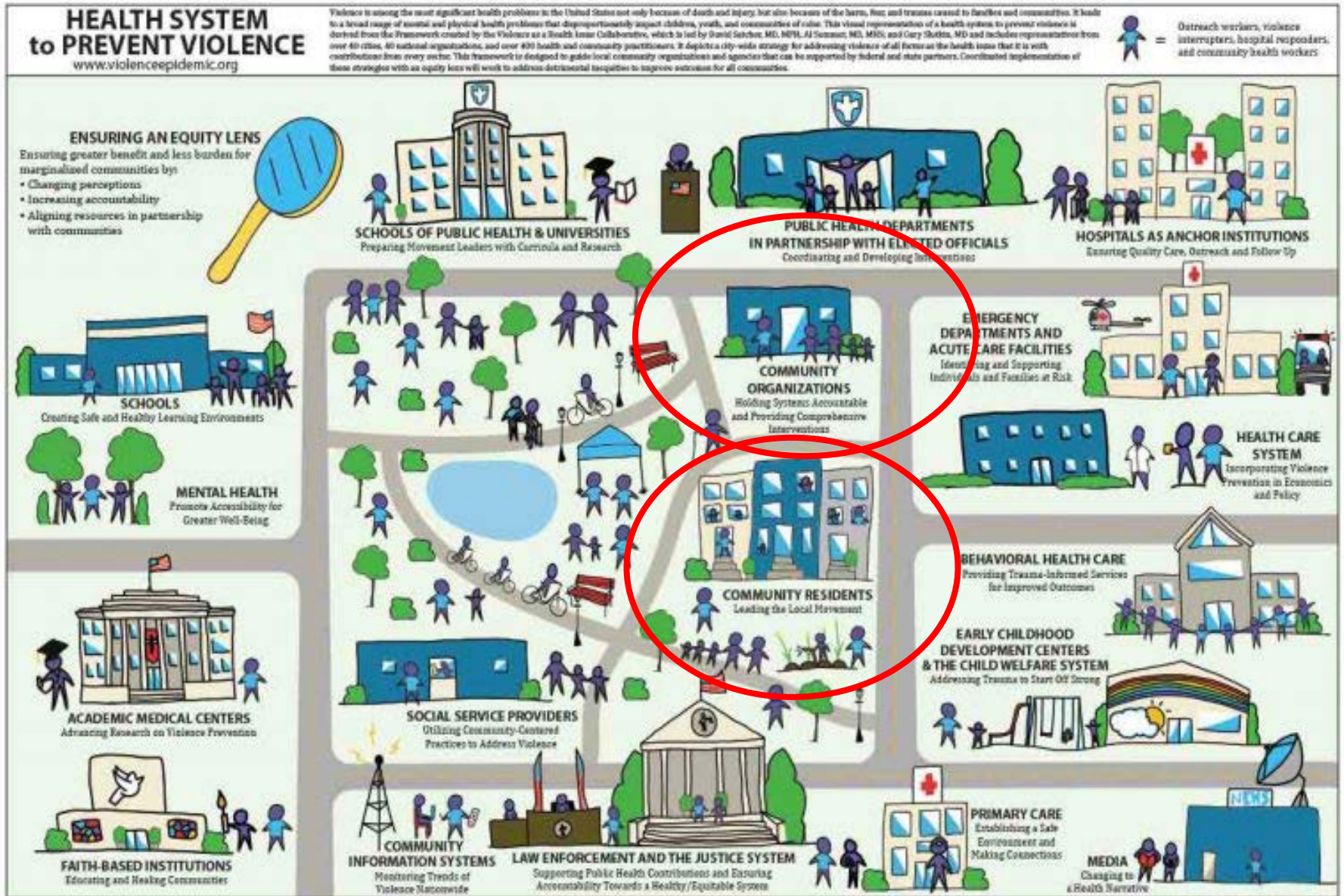


Trauma
Focused
Mental
Health
Services

Community resources:

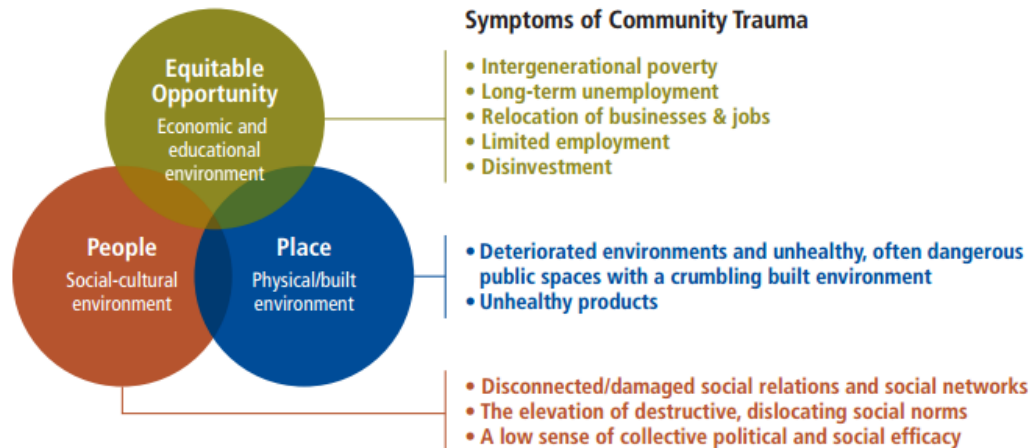
Housing, food, mental health, legal services...

The Importance of Community-Based Organizations



A trauma lens is just as important at the population level

- Residents traumatized by:
 - chronic exposure to violence
 - disinvestment, displacement, and systems that failed them
- Existing data and solutions often focus on **deficits**
 - continually re-stigmatize communities
 - fail to invest in its **assets**



Where can we do more?

Challenges Faced by Community-Based Organizations

- Intractable inequities, yet solutions still not led by those affected
- Medical/ scientific/ governmental expertise still valued more than community expertise
- Disease-based models of funding
- Competition between neighborhoods & orgs
- Siloed systems serving their community
- Lack of investment in community systems

The Promise of Community-Engaged Research & Planning

- Solutions created with **community input and expertise** have ↑ success
- Evidence generated to support community agendas more likely to create needed change



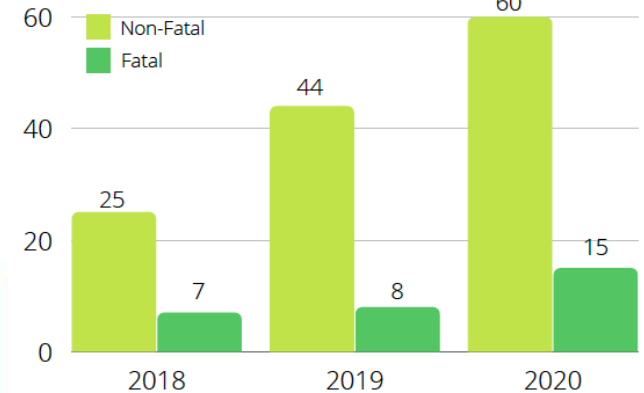
Mt. Vernon Manor's Byrne Criminal Justice Innovation Initiative

Action Plan



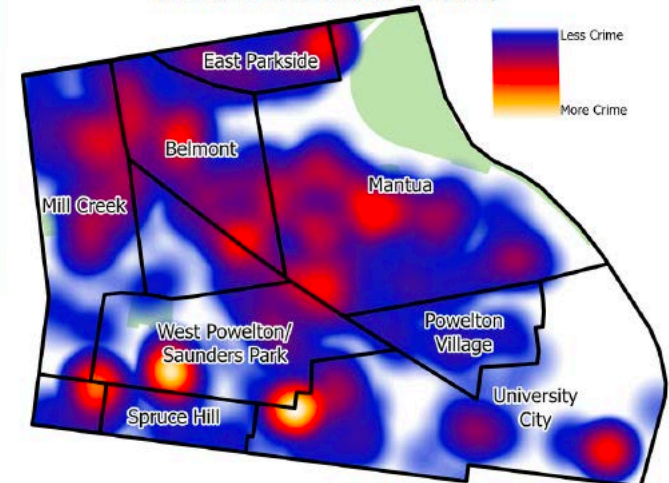
- Community
- Prevention/Intervention
- Neighborhood Revitalization
- Law Enforcement
- Advocacy
- Research
- Sustainability

COUNT OF SHOOTINGS IN PROMISE NEIGHBORHOOD (2020)



Source: Philadelphia Police Department, 2020

DENSITY OF VIOLENT CRIMES IN PROMISE NEIGHBORHOOD (2020)



Source: Philadelphia Police Department, 2020



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 School of Public Health

The Promise of Multi-Sector Coalitions

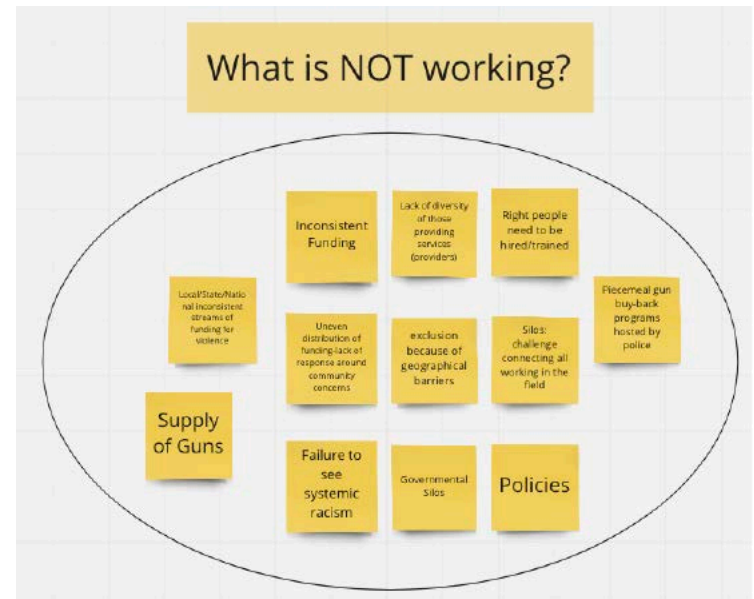


- Diversity of lived experience
- Pools assets, skills, expertise
- Expands reach and acceptability
- Facilitates linkages *between* systems
- Has a greater chance of achieving needed change

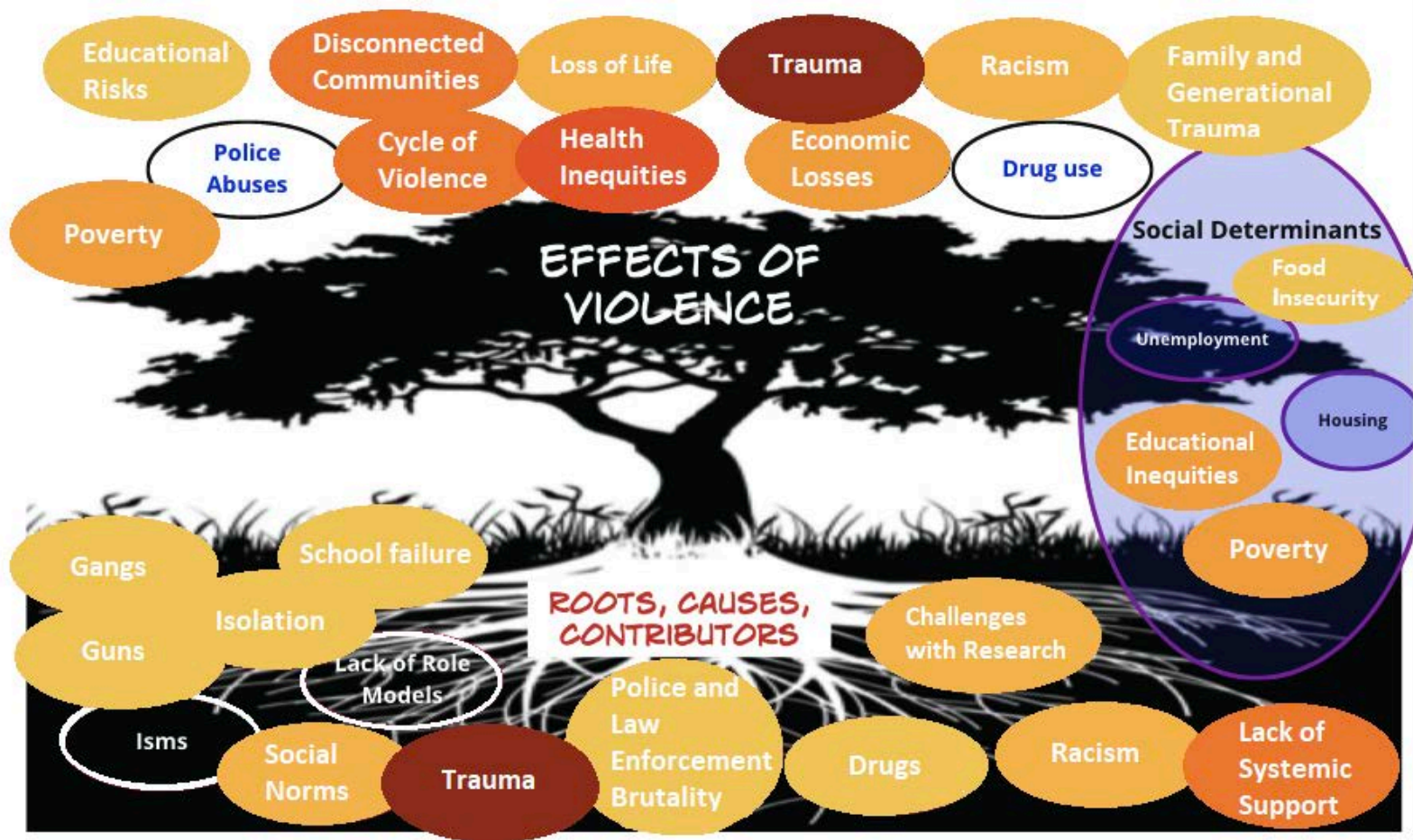


Philly Community Violence Working Group

- Self-described “Coalition think tank” to work across silos, neighborhoods, sectors
- Co-creation of agendas & facilitators
- Focus on:
 - Collaborations/ linkages
 - Funding opportunities
 - Advocacy opportunities
 - Data justice



Deep Discussion of Root Causes



Co-Created Data Brief

DATA BRIEF POLICE VIOLENCE IS A PUBLIC HEALTH ISSUE

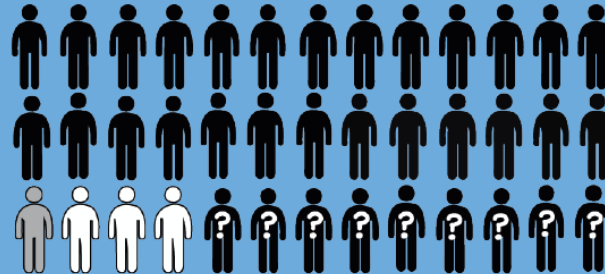
39 people have been killed by police in Philadelphia since 2013²

26
Black

1
Latino

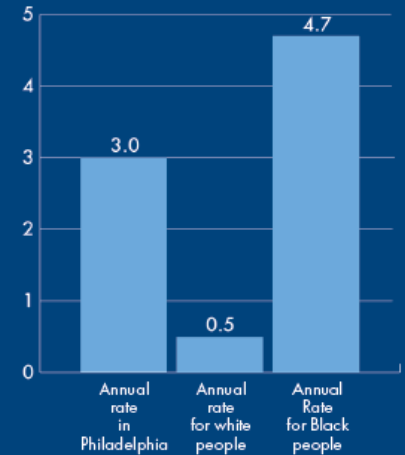
3
White

9
Race not recorded



Average Annual Rate of Homicides by Police

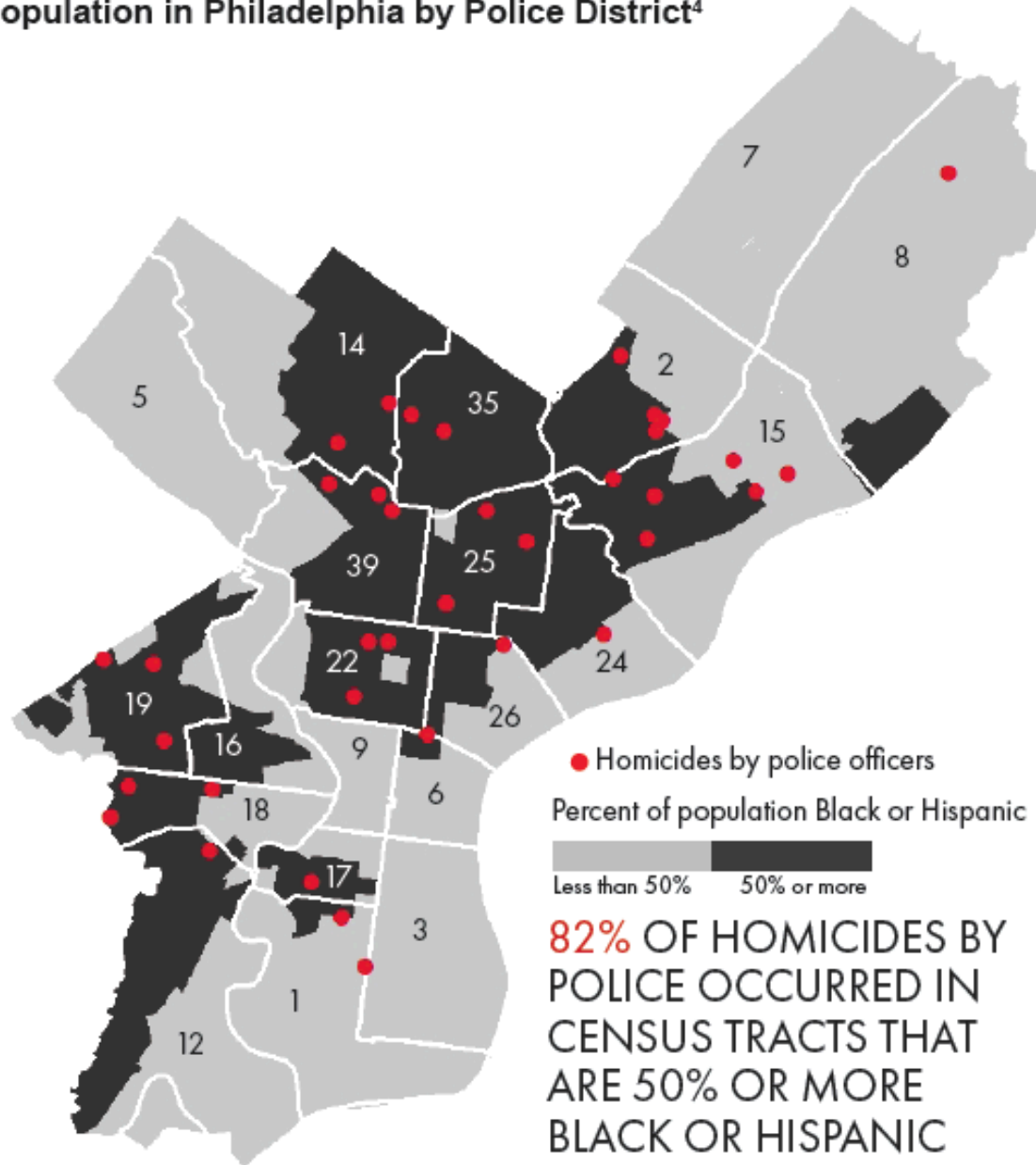
Per 1 Million of Total Population (2013-2019)⁴



Black People Were Victims of Homicide by Police in Philadelphia at

9.2 X
the Rate of White People

Homicides* by Police from 2013-2020 and Black and Hispanic Population in Philadelphia by Police District⁴



* Homicides by police officers includes by firearm, taser, or baton.

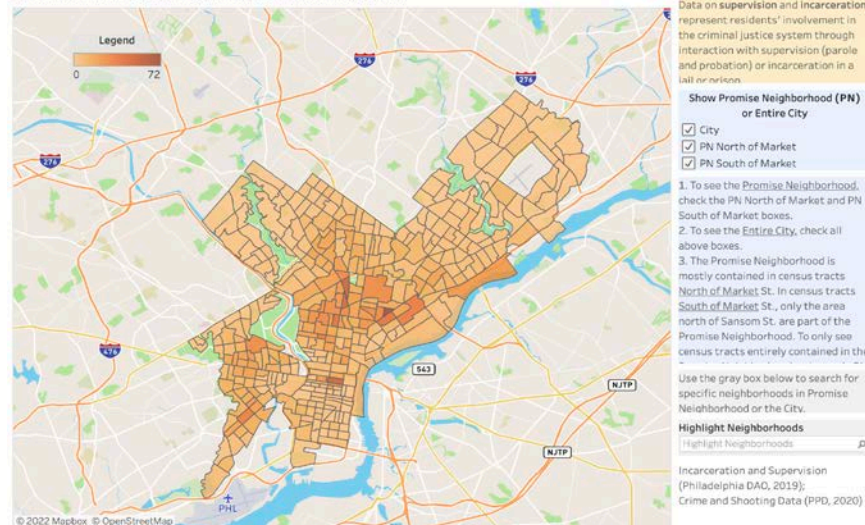


What Can Academic and Research Institutions Do?

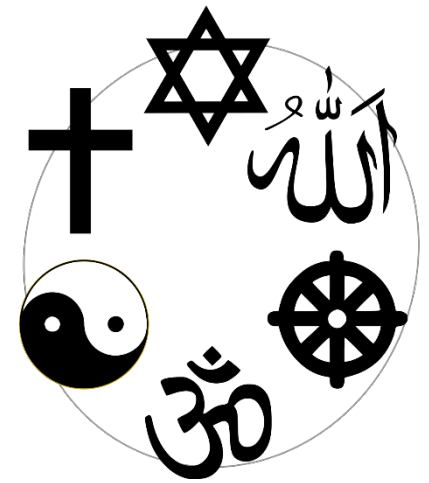
- Provide **surveillance data** in user-friendly formats
- Provide **research support** to orgs & programs
- Provide **grant-writing support & resources**
- Provide **pathways for trainees** to provide supports
- **Convene** stakeholders
- **Advocate** for needed resources or solutions

Promise Neighborhood: Public Safety

This dashboard shows data related to public safety within the West Philly Promise Neighborhood and compares the Promise Neighborhood to the city overall. The goal of public safety is to assure all community members have access to environments that are safe and free from harm. Urban communities of color often experience higher exposure to violence and other harms. This collective trauma further burdens communities in a way that results in health disparities.



What Can Faith-Based Organizations Do?



- Join faith-based/community coalition
- Community events
- Educational activities
 - Examples: Racial justice, allyship
- Look at their own policies and practices

FUSE

Partnership of Urban-Suburban Engagement



Violence Prevention

What can we do as individuals?

- Bring trauma-sensitive approaches to our daily lives
- Know how we are triggered by injustice / witnessing



- Individual op-eds
- Letters/calls to lawmakers
- Donations and/or grant-writing support to community-based solutions/systems

What's All This About Trauma-informed Care?



INJURY PREVENTION/REVIEW ARTICLE

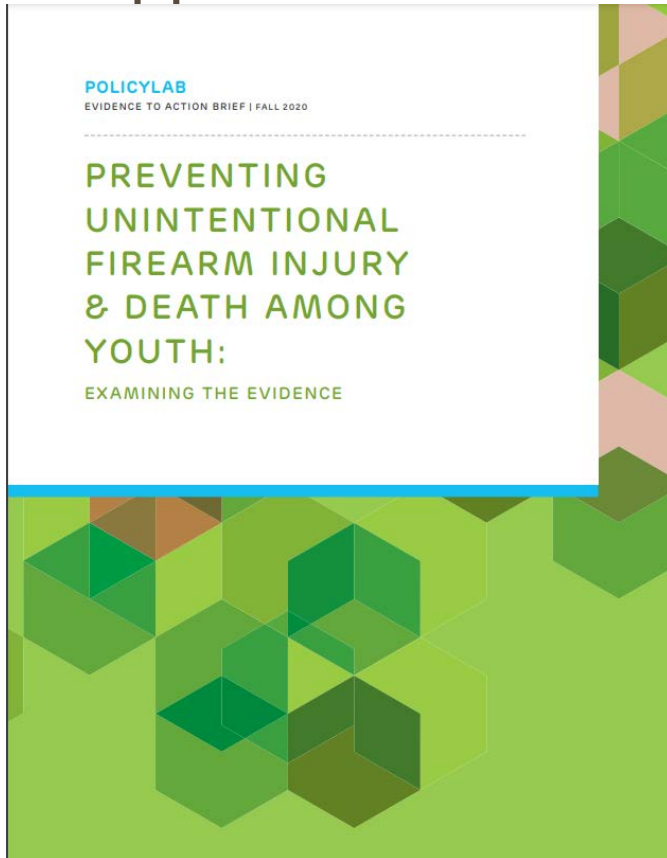
Trauma-Informed Care for Violently Injured Patients in the Emergency Department

Kyle R. Fischer, MD, MPH*; Katherine M. Bakes, MD; Theodore J. Corbin, MD, MPP; Joel A. Fein, MD, MPH; Erica J. Harris, MD; Thea L. James, MD; Marlene D. Melzer-Lange, MD

**Corresponding Author. E-mail: kfischer@som.umaryland.edu, Twitter: [@KBFischer](https://twitter.com/KBFischer).*

Gun Violence Policy Efforts

- Research / Policy Briefs
- Participate in City & State efforts
- Testimony
- Support CeaseFire PA



Gov. Wolf: Gun Violence Reduction Executive Order is Making Progress

September 26, 2019



Thank you!



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**Children's Hospital
of Philadelphia**
Center for Violence Prevention

March 27, 2022 @ 7:30p
Ardmore Music Hall
Osler Circle = Beatles!



Proceeds benefit CHOP

Tickets [https://bit.ly/OslerCircleBenefit AMH](https://bit.ly/OslerCircleBenefit_AMH)

