MENTAL HEALTH AFTER GUN VIOLENCE: SUPPORTING THE HOLISTIC NEEDS OF GUN VIOLENCE SURVIVORS

AIMS

- 1. Mental health after firearm violence
- 2. Understand risk factors for poor mental health
- 3. Review comprehensive care model for recovery

GUN VIOLENCE & DISPARITIES

Trauma Disparities

 Recovery after gun violence is different from other injuries (e.g., car crash)



- Communities with structural & racial discrimination experience more gun violence
- Certain communities carry greater burden

MENTAL HEALTH AFTER GUN VIOLENCE

Ongoing trauma reaction

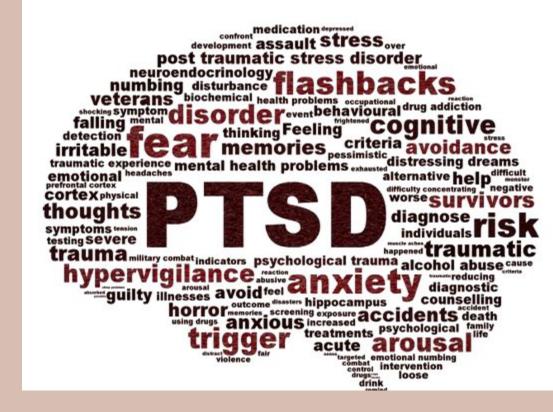
- Gun violence survivors experience prolonged traumatization
 - Threat of loss of life
 - Loss of autonomy
 - Physical injuries
- Sense of heightened threat to safety

Mental Health Risk

- 20-40% develop PTSD and/or depression in the first year after any injury
- population estimate >400K annually

POSTTRAUMATIC STRESS DISORDER

PTSD = anxietyrelated disorder that develops after trauma Includes
persistent alarm
and distress,
numbing,
avoidance,
increased arousal



DEPRESSION

- Depressed mood or anhedonia
- Slowing of cognition and physical movement
- Fatigue or loss of energy

- Worthlessness or excessive inappropriate guilt
- Recurrent suicidal ideation



HEALTH AFTER GUN VIOLENCE

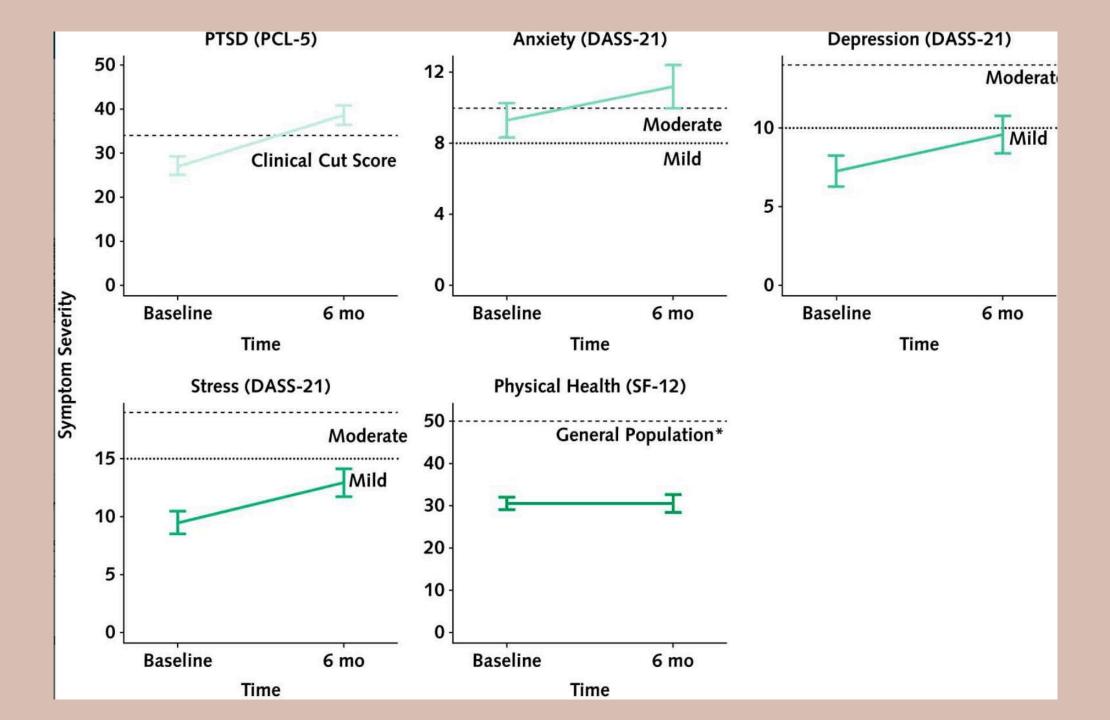
Physical health outcomes

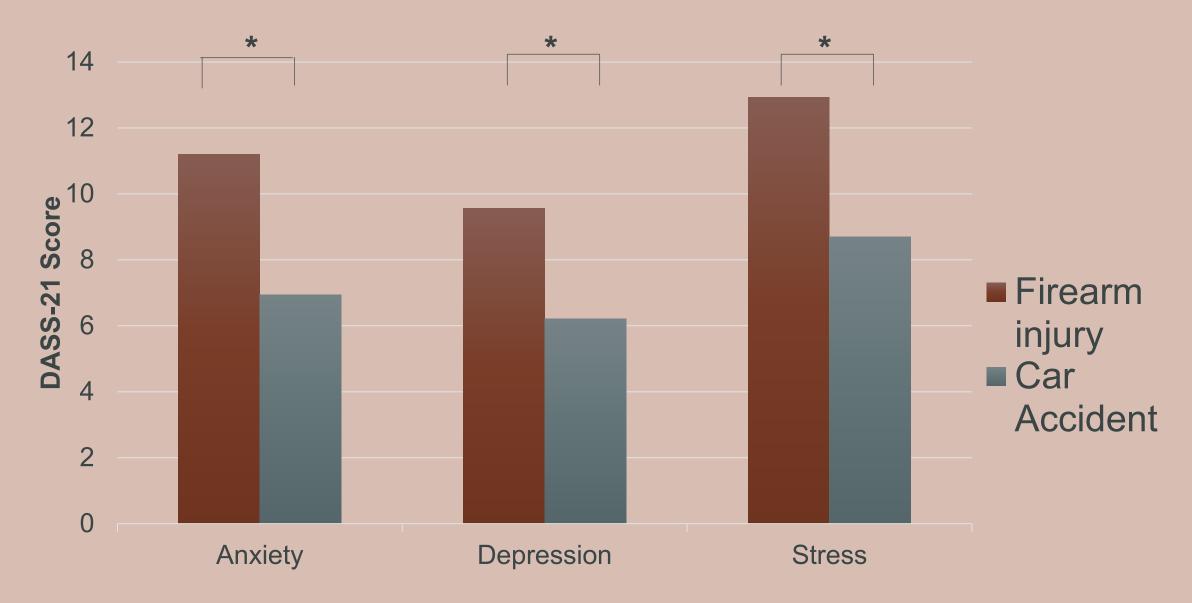
- Injury recovery
- Physical functioning
- Quality of life

Mental health outcomes

- Posttraumatic stress disorder
- Depression
- Anxiety

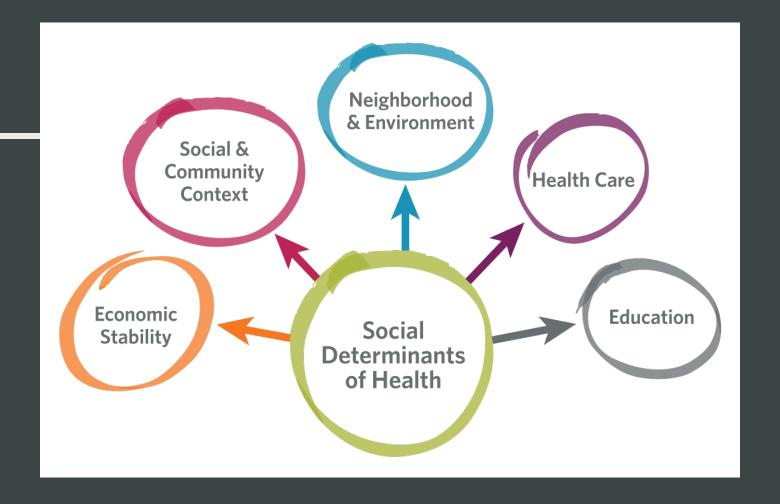






WHAT INCREASES RISK FOR POOR MENTAL HEALTH?

CONTEXT TO RECOVERY



PRE-GUN VIOLENCE

Pre-injury Cumulative Life Stress

Social Determinants of Health

Neighborhood resource deprivation

Threats to safety



Lifetime Exposure to Trauma

Witnessing



Experiencing

IMPACT OF DISCRIMINATION

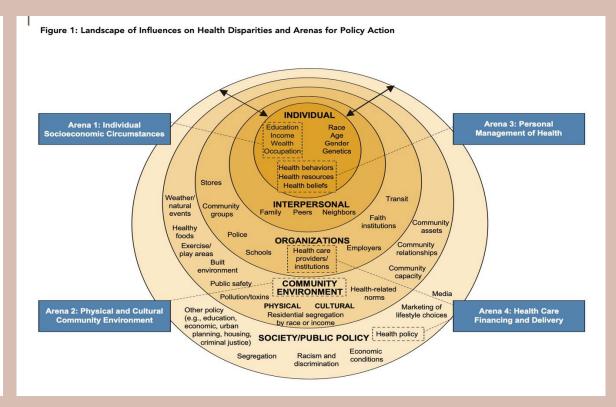
Journal of Traumatic Stress XXXX 2021, 0, 1-11



Racial Discrimination is Associated with Acute Posttraumatic Stress Symptoms and Predicts Future Posttraumatic Stress Disorder Symptom Severity in Trauma-Exposed Black Adults in the United States

Claire M. Bird, E. Kate Webb, Andrew T. Schramm, Lucas Torres, Christine Larson, and Terri A. deRoon-Cassini

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HOW CAN WE BETTER CARE FOR GUN VIOLENCE SURVIVORS?

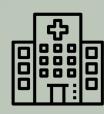
TRAUMA CENTER COMPREHENSIVE CARE MODEL FOR FIREARM INJURY PATIENTS

Firearm violence harms individuals and communities



Racial disparities in violence and health necessitate changes to healthcare

Comprehensive Multidisciplinary Care



- Trauma-informed care
- Mental health care
- Hospital-based violence intervention
 - Integrated follow up

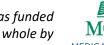


Improved Outcomes



- Increased quality of life
- Reduced disparities after firearm violence







COMPREHENSIVE CARE



Feasibility of a trauma quality-of-life follow-up clinic

Colleen Trevino, PhD, Timothy Geier, PhD, Sydney C. Timmer-Murillo, MS, Matthew Shawlin, MS, David J. Milia, MD, Panna Codner, MD, and Terri deRoon-Cassini, PhD, Milwaukee, Wisconsin

Annals of Internal Medicine[®]

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Letters | 23 May 2023

Mental Health and Health-Related Quality of Life After Firearm Injury: A Preliminary Descriptive Study [FEE]

Sydney C. Timmer-Murillo, PhD 📵, Sarah J.H. Melin, MPH 📵, Carissa W. Tomas, PhD 📵, ... View all authors 🛨

Author, Article, and Disclosure Information

https://doi.org/10.7326/M23-0309

March 22, 2023

Comprehensive Framework of Firearm Violence Survivor Care

A Review

Sydney C. Timmer-Murillo, PhD¹; Mary E. Schroeder, MD¹; Colleen Trevino, PhD¹; et al

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JAMA Surg. 2023;158(5):541-547. doi:10.1001/jamasurg.2022.8149

INTERVENTION

Community

 Improve health of community with culturally informed programs

Trauma Centers

- Early access to mental health providers
- Reduce stigma and barriers to treatment

Long-term Care

- Holistic comprehensive care addressing whole
 health
- Reduce social determinants

THANK YOU!

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