

Firearm Violence Funded Research

FY2022 Research Grants to Prevent Firearm-Related Violence and Injuries

CDC's National Center for Injury Prevention and Control, Division for Violence Prevention (DVP) is committing \$2,539,786 to fund four research awards to support research to improve understanding of firearm injury, inform the development of innovative and promising prevention strategies, and rigorously evaluate the effectiveness of strategies to keep individuals, families, schools, and communities safe from firearm-related injuries, deaths, and crime. This research is intended to directly support activities under one or both of the following research objectives:

- **Objective One:** Research to improve understanding of firearm injury and inform the development of innovative and promising prevention strategies.
- **Objective Two:** Research to rigorously evaluate the effectiveness of innovative and promising strategies to keep individuals, families, schools, and communities safe from firearm-related injuries, deaths, and crime.

Three-year Projects | September 30, 2022 – September 29, 2025

➤ **Developing and Evaluating an Extreme Risk Protection Order Implementation Protocol with Impacted Communities**

This study will develop and pilot test implementation guidance for law enforcement agencies using Extreme Risk Protection Order (ERPO) laws.

Principal Investigator: Shannon Frattaroli, Johns Hopkins University

First-Year Award: \$643,055

➤ **Understanding Personal, Social Network, and Neighborhood Environmental Contributors to Firearm Access and Violence Among Young Adults Experiencing Homelessness**

This study will investigate how individual, social network, and neighborhood environmental characteristics are associated with firearm risks for youth experiencing homelessness and examine the role their social network may play in moderating these risks.

Principal Investigator: Hsun-ta Hsu, University of Missouri – Columbia

First-Year Award: \$597,148

➤ **Optimizing Firearm Suicide Prevention in Healthcare**

This study will investigate how individual, social network, and neighborhood environmental characteristics are associated with firearm risks for youth experiencing homelessness and examine the role their social network may play in moderating these risks.

Principal Investigator: Julie Richards, Kaiser Foundation Hospitals (KFH)

First-Year Award: \$649,586

➤ **Firearm Violence Perpetration: A Nationally Representative Multi-Wave Survey of Youth and Young Adults Across the United States**

This study will survey youth and young adults to identify risk and protective factors associated with firearm violence.

**Principal Investigator: Bruce Taylor,
National Opinion Research Center**

First-Year Award: \$649,979



**Centers for Disease
Control and Prevention**
National Center for Injury
Prevention and Control

FY2020 Research Grants to Prevent Firearm-Related Violence and Injuries

CDC's National Center for Injury Prevention and Control, Division for Violence Prevention (DVP) is committing \$7,836,869 to fund sixteen research awards to understand and prevent firearm-related injuries, deaths, and crime. For the purposes of this NOFO, firearm-related injuries, deaths, and crime include mass shooting incidents, other firearm homicides/assaults, firearm suicides/self-harm, unintentional firearm deaths and injuries, and firearm-related crime. This research is intended to directly improve understanding of firearm-related violence and promising prevention approaches by supporting activities under one or both of the following two research objectives:

- **Objective One:** Research to help inform the development of innovative and promising opportunities to enhance safety and prevent firearm-related injuries, deaths, and crime.
- **Objective Two:** Research to rigorously evaluate the effectiveness of innovative and promising strategies to keep individuals, families, schools, and communities safe from firearm-related injuries, deaths, and crime.

Two-year Projects | September 30, 2020 – September 29, 2022*



Firearm Behavioral Practices and Suicide Risk in U.S. Army Soldiers and Veterans

This study will analyze longitudinal data to improve understanding of the motivations and opportunities for prevention among service members and Veterans owning firearms, storing them in unsafe conditions and using them to hurt others or themselves.

Principal Investigator: Dr. David Benedek; Henry M. Jackson Foundation

Year Two Award: \$350,000



Exposure to Violence and Subsequent Weapons Use: Integrative Data Analysis Across Two Urban High-Risk Communities

This study will use integrative analyses of two longitudinal datasets to examine how individual, family, and neighborhood risk factors for gun violence affect the development of violence- and weapons-related social cognitions and behaviors into early adulthood.

Principal Investigator: Dr. Rowell Huesmann, University of Michigan at Ann Arbor

Year Two Award: \$346,354



Prevalence of Community Gun Violence Exposure and Consequences for Adolescent Well-Being: Identifying Sources of Heterogeneity to disrupt the Cycle of Violence

This study will estimate the population prevalence and consequences of youths' direct and indirect exposure to community gun violence to inform prevention efforts.

Principal Investigator: Dr. Nicole Kravitz-Wirtz, University of California at Davis

Year Two Award: \$301,478



Using Small-Area Estimates of Firearm Ownership to Investigate Violence Disparities and Firearm Policy Effects

This study is designed to use small-area estimation techniques to generate informative estimates of household firearm ownership and then use these new estimates to test the effects of firearm safety policies.

Principal Investigator: Dr. Andrew Morral, Rand Corporation

Year Two Award: \$349,758



Firearm Access, Opioid Use, and Firearm Suicide

This study examines the synergistic impacts of firearm access and opioid-related harm on firearm suicide risk at the individual and population levels in the state of California.

Principal Investigator: Dr. Aimee Moulin, University of California at Davis

Year Two Award: \$316,127

**Note: These Two year projects have all requested and received approval to extend the project period without additional funding (no cost extension) for up to 12 months, with the project period now being 9/30/2020 - 9/29/2023.*

➤ **Understanding the Epidemiology of Firearm Injuries in a Large Urban County: A Guide for Targeted Intervention Efforts**

This study will integrate data from trauma centers, the medical examiner's office, and law enforcement to examine individual-level and neighborhood-level risk factors for firearm-related violence.

Principal Investigator: Dr. Bindi Naik-Mathuria, Baylor College of Medicine

Year Two Award: \$330,672

➤ **An Examination of Firearm Violence Crises Using Crisis Text Line Data: Filling a Critical Gap**

This study will analyze Crisis Text Line data related to multiple types of firearm violence to help inform firearm violence prevention activities.

Principal Investigator: Dr. Anna Yaros, Research Triangle Institute

Year Two Award: \$349,545

Three-year Projects | September 30, 2020 – September 29, 2023

➤ **IntERact: Preventing Risky Firearm Behaviors Among Urban Youth Seeking Emergency Department Care**

This study will determine the effectiveness of IntERact, a technology-enhanced behavioral intervention, in reducing risky firearm behaviors, firearm carriage and violence, and co-occurring mental health and behavioral risks among youth seeking treatment in an emergency department.

Principal Investigator: Dr. Patrick Carter, University of Michigan at Ann Arbor

Year Three Award: \$649,997

➤ **Multi-Site External Validation and Improvement of a Clinical Screening Tool for Future Firearm Violence**

This study will use cutting-edge machine learning methods to optimize the ability to assess youth risk for firearm violence so that prevention resources and emergency department interventions can be used efficiently.

Principal Investigator: Dr. Jason Goldstick, University of Michigan at Ann Arbor

Year Three Award: \$649,899

➤ **An Evaluation of the Gun Shop Project: Suicide Prevention Led by the Firearms Community**

This study is looking at Gun Shop Projects (GSPs), community-driven suicide prevention partnerships, to better understand how they impact firearm safety behaviors and suicides involving firearms.

Principal Investigator: Dr. Sabrina Mattson, University of Colorado

Year Three Award: \$649,988

➤ **Participatory Action Research to Inform a Social-Ecological Model of Gun-Related Attitudes, Behaviors, and Practices**

This study is looking at risky gun-related behaviors and the acceptability of specific approaches to prevention for populations at greatest risk for homicide (African American boys and young men) and suicide (older White men).

Principal Investigator: Dr. Krista Mehari, University of South Alabama

Year Three Award: \$642,872

➤ **Reframing Firearm Injury Prevention Through Bystander Interventions for Youth Shooting Sports Participants**

This study will evaluate the effectiveness of a bystander intervention in changing firearm injury prevention norms, attitudes, intentions, and behaviors among a sample of 50 4-H Shooting Sports Club communities.

Principal Investigator: Dr. Megan Ranney, Brown University

Year Three Award: \$649,986

➤ **Culture, Longitudinal Patterns, and Safety Promotion of Handgun Carrying Among Rural Adolescents: Implications for Injury Prevention**

This study will identify the context, antecedents, and consequences of handgun carrying among adolescents who reside in rural communities in order to inform culturally appropriate and community-specific interventions.

Principal Investigator: Dr. Ali Rowhani-Rahbar, University of Washington

Year Three Award: \$453,262

➤ **ShootSafe: An Interactive Web Platform to Teach Children Hunting, Shooting, and Firearms Safety**
This project will develop and evaluate ShootSafe, a website designed to teach children how to engage safely with firearms to reduce risk for unintentional pediatric firearm-related injuries and deaths.
Principal Investigator: Dr. David Schwebel, University of Alabama at Birmingham
Year Three Award: \$650,000

➤ **Firearm Involvement in Adolescent Children of Formerly Incarcerated Parents: A Prospective Intergenerational Study of Resilience Within Families**
This study will use prospective and intergenerational data to examine differences within and between families in risk and protective factors for youth involvement with firearms.
Principal Investigator: Dr. Linda Teplin, Northwestern University at Chicago
Year Three Award: \$649,762

➤ **Preventing Retaliatory Gun Violence in Violently Injured Adults: A Randomized Control Trial of a Hospital-Based Intervention**
This study will determine the effectiveness of a hospital-based violence prevention program for reducing risk of firearm-related violence and injury in adult victims of violence.
Principal Investigator: Dr. Nicholas Thomson, Virginia Commonwealth University
Year Three Award: \$649,769

FY2020 Grants to Support New Investigators in Conducting Research Related to Preventing Interpersonal Violence Impacting Children and Youth (K01 Grants)

The purpose of this initiative is to provide support for an intensive, mentored career development experience in conducting violence prevention research. NCIPC supports K01 grants to help ensure the availability of an adequate number and diverse group of highly trained scientists to address critical public health research questions to prevent violence and injury.

These grants can help new investigators grow their skills by developing and conducting research related to violence prevention. This funding opportunity is specifically focused on addressing the interpersonal forms of violence impacting children or youth, including child abuse and neglect, youth violence, teen dating violence, and sexual violence. Proposed research could examine firearm-related behavior, crime, injuries and deaths among children and youth or include firearm-related behavior, crime, injuries, and deaths among children and youth as outcomes. CDC awarded support to four recipients. Two of the recipients are focused on firearm-related research and their projects are described below.

Two-year Grants | September 30, 2020 – September 29, 2022

➤ **Preventing Youth Violence Through Technology Enhanced Street Outreach: A Community-Engaged Approach**
This study will gather formative and survey data to develop an intervention to reduce threats expressed via social media that have been implicated in firearm-related violence and other forms of youth violence.
Principal Investigator: Dr. Caitlin Elsaesser, University of Connecticut Storrs
Year Two Award: \$125,000

➤ **Physical, Social, and Economic Environments and Firearm Fatalities Among Youth**
This study will examine neighborhood-level exposures and how they work together to impact firearm violence.
Principal Investigator: Dr. Rose Kagawa, University of California at Davis
Year Two Award: \$124,119

<https://www.cdc.gov/violenceprevention/firearms>