CDC Firearm Injury and Mortality Prevention Research Funding

CDC was appropriated $12.5 Million in FY 2020 to conduct research on firearm injury and mortality prevention. CDC began funding research and data enhancements in FY 2020 and will continue these initiatives in FY 2021 with the $12.5 million appropriated in FY 2021.

More than 80% of the Firearm Injury and Mortality Prevention Research funding has been awarded to support research and data enhancements to prevent firearm injuries and deaths.
- ~60% supports research
- ~20% supports data enhancements and improved surveillance

Firearm Injury and Mortality Evaluation and Research
In FY 2020, CDC made 18 awards for research to understand and prevent firearm-related injuries, deaths, and crime. These research studies include a mix of two- and three-year projects.

- 16 awardees received support as part of the competitively funded Notice of Funding Opportunity (NOFO) RFA-CE-20-006: Research Grants to Prevent Firearm-Related Violence and Injuries

**Purpose:** To directly improve scientific understanding of firearm-related violence and to rigorously evaluate the effectiveness of prevention strategies to keep individuals, families, schools, and communities safe from firearm-related injuries, deaths, and crime.

**Recipients:**

**Two-year Projects, Project Period: September 30, 2020 – September 29, 2022**

- Firearm Behavioral Practices and Suicide Risk in U.S. Army Soldiers and Veterans
  *Principal Investigator: Dr. David Benedek, Henry M. Jackson Foundation*

- Exposure to Violence and Subsequent Weapons Use: Integrative Data Analysis Across Two Urban High-Risk Communities
  *Principal Investigator: Dr. Rowell Huesmann, University of Michigan at Ann Arbor*

- Prevalence of Community Gun Violence Exposure and Consequences for Adolescent Well-Being: Identifying Sources of Heterogeneity to disrupt the Cycle of Violence
  *Principal Investigator: Dr. Nicole Kravitz-Wirtz, University of California at Davis*

- Using Small-Area Estimates of Firearm Ownership to Investigate Violence Disparities and Firearm Policy Effects
  *Principal Investigator: Dr. Andrew Morral, Rand Corporation*

- Firearm Access, Opioid Use, and Firearm Suicide
  *Principal Investigator: Dr. Aimee Moulin, University of California at Davis*

- Understanding the Epidemiology of Firearm Injuries in a Large Urban County: A Guide for Targeted Intervention Efforts
  *Principal Investigator: Dr. Bindi Naik-Mathuria, Baylor College of Medicine*
• An Examination of Firearm Violence Crises Using Crisis Text Line Data: Filling a Critical Gap  
  Principal Investigator: Dr. Anna Yaros, Research Triangle Institute

Three-year Projects, Project Period: September 30, 2020 – September 29, 2023

• IntERact: Preventing Risky Firearm Behaviors Among Urban Youth Seeking Emergency Department Care  
  Principal Investigator: Dr. Patrick Carter, University of Michigan at Ann Arbor

• Multi-Site External Validation and Improvement of a Clinical Screening Tool for Future Firearm Violence  
  Principal Investigator: Dr. Jason Goldstick, University of Michigan at Ann Arbor

• An Evaluation of the Gun Shop Project: Suicide Prevention Led by the Firearms Community  
  Principal Investigator: Dr. Sabrina Mattson, University of Colorado

• Participatory Action Research to Inform a Social-Ecological Model of Gun-Related Attitudes, Behaviors, and Practices  
  Principal Investigator: Dr. Krista Mehari, University of South Alabama

• Reframing Firearm Injury Prevention Through Bystander Interventions for Youth Shooting Sports Participants  
  Principal Investigator: Dr. Megan Ranney, Brown University

• Culture, Longitudinal Patterns, and Safety Promotion of Handgun Carrying Among Rural Adolescents: Implications for Injury Prevention  
  Principal Investigator: Dr. Ali Rowhani-Rahbar, University of Washington

• ShootSafe: An Interactive Web Platform to Teach Children Hunting, Shooting, and Firearms Safety  
  Principal Investigator: Dr. David Schwebel, University of Alabama at Birmingham

• Firearm Involvement in Adolescent Children of Formerly Incarcerated Parents: A Prospective Intergenerational Study of Resilience Within Families  
  Principal Investigator: Dr. Linda Teplin, Northwestern University at Chicago

• Preventing Retaliatory Gun Violence in Violently Injured Adults: A Randomized Control Trial of a Hospital-Based Intervention  
  Principal Investigator: Dr. Nicholas Thomson, Virginia Commonwealth University

  2 awardees received support as part of the competitively funded NOFO RFA-CE-20-002: Grants to Support New Investigators in Conducting Research Related to Preventing Interpersonal Violence Impacting Children and Youth
**Purpose:** To provide support for an intensive, mentored career development experience in conducting research related to preventing interpersonal violence impacting children and youth. The NOFO was amended to allow for research on firearm-related injuries, deaths, and crime impacting children and youth.

**Recipients:**

Two-year Projects, Project Period: September 30, 2020 – September 29, 2022

- Preventing Youth Violence Through Technology Enhanced Street Outreach: A Community-Engaged Approach  
  *Principal Investigator: Dr. Caitlin Elsaesser, University of Connecticut Storrs*

- Physical, Social, and Economic Environments and Firearm Fatalities Among Youth  
  *Principal Investigator: Dr. Rose Kagawa, University of California at Davis*

Additional information about CDC’s [funded firearm related violence and injuries research](https://www.cdc.gov) is available on CDC’s website.

**Firearm Data Enhancements**

Improving data to monitor the burden of firearm deaths and injuries and answer research questions is critical to advance firearm injury and mortality prevention.

In FY 2020, CDC funded 10 state health departments as part of a competitively funded *CDC NOFO RFA-CE20-2005, Firearm Injury Surveillance Through Emergency Rooms (FASTER)* to provide timely and actionable data at the state and local level that communities can use to inform prevention activities.

**Purpose:** To provide near-real time syndromic surveillance data on emergency department visits for nonfatal firearm injuries to help state and local jurisdictions identify and respond to emerging public health problems.

**Recipients:**

Project Period: September 1, 2020- August 31, 2023

- District of Columbia Department of Health
- Florida Department of Health
- Georgia Department of Public Health
- New Mexico Department of Health
- North Carolina Department of Health and Human Services
- Oregon Health Authority Public Health Division
- Utah Department of Health
- Virginia Department of Health
- Washington State Department of Health
- West Virginia Department of Health and Human Resources

Additional information about CDC’s [funded firearm injury surveillance](https://www.cdc.gov) is available on the CDC’s website.