

Extramural Research Program Update

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BOARD OF SCIENTIFIC COUNSELORS
Centers for Disease Control and Prevention
National Center for Injury Prevention and Control

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National Center for Injury Prevention and Control
Office of Science, Extramural Research Program Operations



Agenda

- ERPO Brief Overview
- New FY 2019 Extramural Awards
- Program Highlights
- Portfolio Overview
- FY 2020 Funding Opportunities

What is Extramural Research Program Operations?

The science and administrative focal point for the development, peer review, and post award management of extramural research awards for NCIPC.

NCIPC also conducts these services for the National Center for Environmental Health and the Agency for Toxic Substances and Disease Registry.

What We Do: Oversee and Manage Research through The Grant & Cooperative Agreement Lifecycle



<https://www.cdc.gov/injury/erpo/about.html>

Why Do We Have an ERPO

- **Established Across the CDC to:**
 - Standardize processes and procedures for extramural research
 - Ensure CDC funds the highest quality research possible to address public health program mission and goals
 - Support the integrity, transparency, and scientific credibility of CDC's extramural processes and funding decisions
- **ERPO Stakeholders and Partners:**
 - Center Leadership
 - Center Divisions
 - CDC/OFR/Office of Grant Services
 - CDC/SBI/Administrative Office for Advisory Committees
 - Recipients
 - CDC OD and Other CIOs

NCIPC Research Priorities Addressed by New FY 2019 Awards

- **Child Maltreatment/Child Abuse and Neglect**
- **Adverse Childhood Experiences**
- **Youth Violence**
- **Sexual Violence**
- **Intimate Partner Violence**
- **Self-Directed Violence and Suicide**
- **Cross-Cutting Strategies for Multiple forms of Violence**
- **Opioid Use Disorder and Overdose**
- **Motor Vehicle Injury**
- **Traumatic Brain Injury and Youth Sports Concussion**
- **Older Adult Falls**

FY2019 New Extramural Research Awards

FY 2019 NOFO	Number of Applications Awarded	1 st year Funding	Total Estimated Award** (Performance YRS.)
CE19001 - Injury Control Research Centers (R49)	9	\$7,550,942	\$37,754,710 (5 YRS)
CE19002 - Research Grants to Identify Effective Strategies for Opioid Overdose Prevention	8	\$5,773,788	\$17,321,364 (3 YRS)
CE19003 - Evaluation of Return to School Programs for Traumatic Brain Injury	2	\$1,087,474	\$4,349,896 (4 YRS)
CE19004 - Etiologic and Effectiveness Research to Address Polysubstance Impaired Driving	1	\$332,797	\$998,391 (3 YRS)
CE19005 - Research Grants for Preventing Violence and Violence Related Injury (R01)	4	\$1,395,281	\$4,185,843 (3 YRS)
CE19006 - Grants to Support New Investigators in Addressing Cross-Cutting Violence Prevention and Opioid Overdose Prevention (only violence prevention research awarded)	2	\$244,296	\$488,592 (2 YRS)
PA18-573/PA-18-574 - Omnibus Solicitations of the Centers for Disease Control and Prevention for Small Business Innovation Research [SBIR] Grants	<p>2 Phase Is Tools for preventing impaired driving and sexual exploitation</p> <p>2 Phase IIs Tools for preventing opioid overdose and managing TBI</p>	\$1,977,813	<p>\$ 450,000 (1 YR)</p> <p>\$2,000,000 (2 YRS)</p>
		\$18,362,391	<p>Total New Awards</p> <p>Estimated Funding**</p> <p>\$67,548,796</p>

** Pending satisfactory progress and the availability of funds in future federal appropriations

Extramural Research Program Highlight

Peer Reviewer Survey

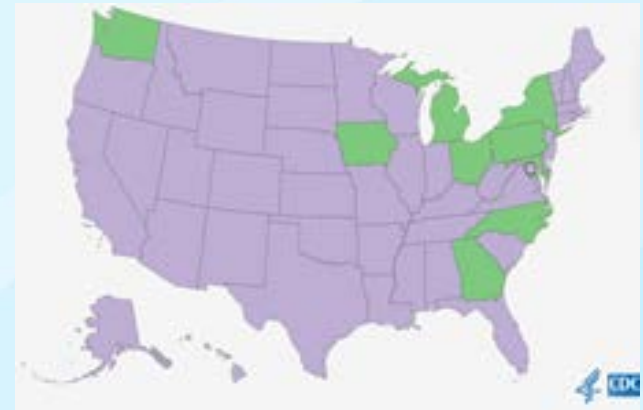
- OMB Approved Survey of Reviewers Since 2018
- Quantitative and Qualitative Data
- Notable FY19 Survey Results
 - 83% Response Rate among 111 serving reviewers
 - No notable difference in responses across 7 peer review panels
 - 97% agreed panel reviews were managed in a fair and unbiased way, appreciated the CDC leadership, and quality of the discussions for scientific merit of applications.

Individual qualitative feedback: “Panel members were extremely well-prepared and professional. The Scientific Review Official and Chair were professional and knowledgeable and ensured a fair, effective review.”
 - 72% indicated they would be very likely to serve on an NCIPC panel again.

Extramural Research Program Highlight

NCIPC FY19 Funded ICRCs

- Columbia University
- Emory University
- Johns Hopkins University
- The Research Institute at Nationwide Children's Hospital
- University of Iowa
- University of Michigan
- University of North Carolina
- University of Pennsylvania
- University of Washington,
Harborview Medical Center



Extramural Research Program Highlight – FY19 Funded ICRCs

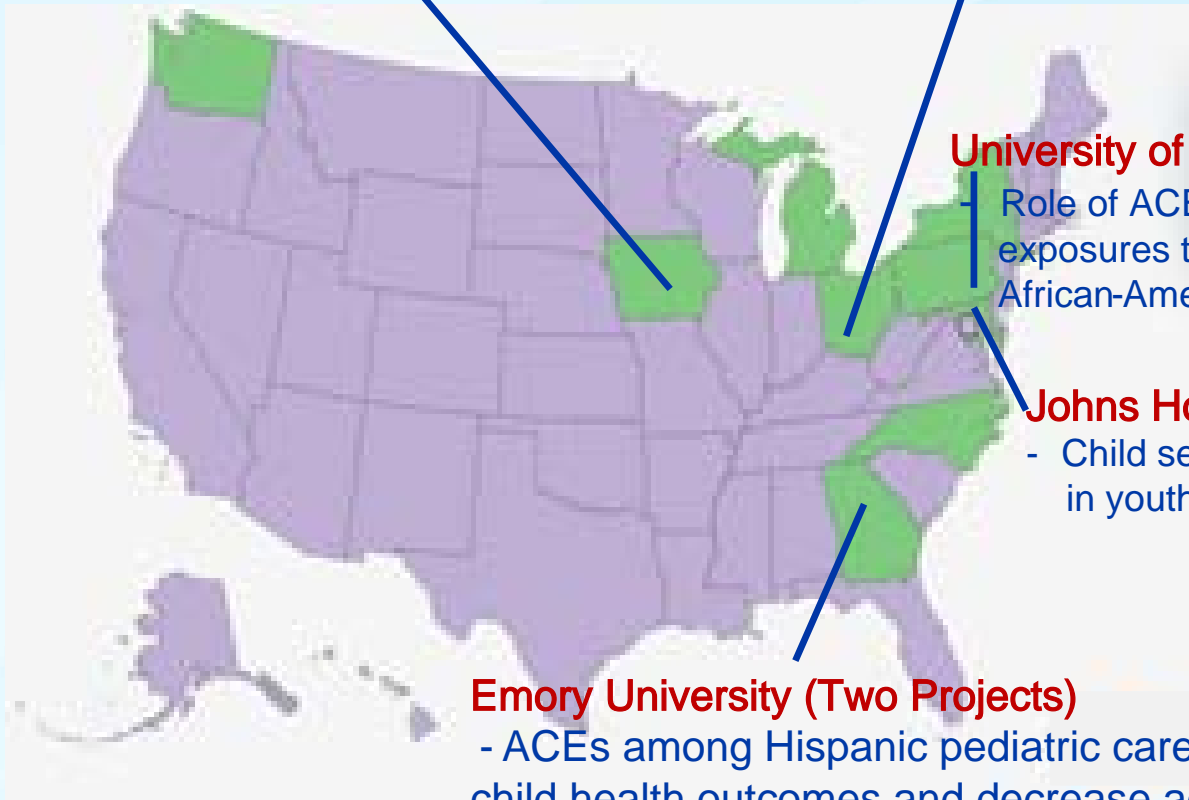
NCIPC Research Priority: Preventing Adverse Childhood Experiences (ACEs)

University of Iowa

- ACEs and adult cardiovascular risk

Research Institute Nationwide

- ACEs and opioid overdoses



University of Pennsylvania

- Role of ACEs and neighborhood exposures to health outcomes in African-American men

Johns Hopkins University

- Child sexual abuse prevention in youth organizations

Emory University (Two Projects)

- ACEs among Hispanic pediatric caregivers to improve child health outcomes and decrease adverse events
- ACEs & suicidal behavior in African Americans
Assessment and Prevention

Extramural Research Program Highlight – FY19 Funded ICRCs

NCIPC Research Priority: Older Adult Fall Prevention

University of Washington

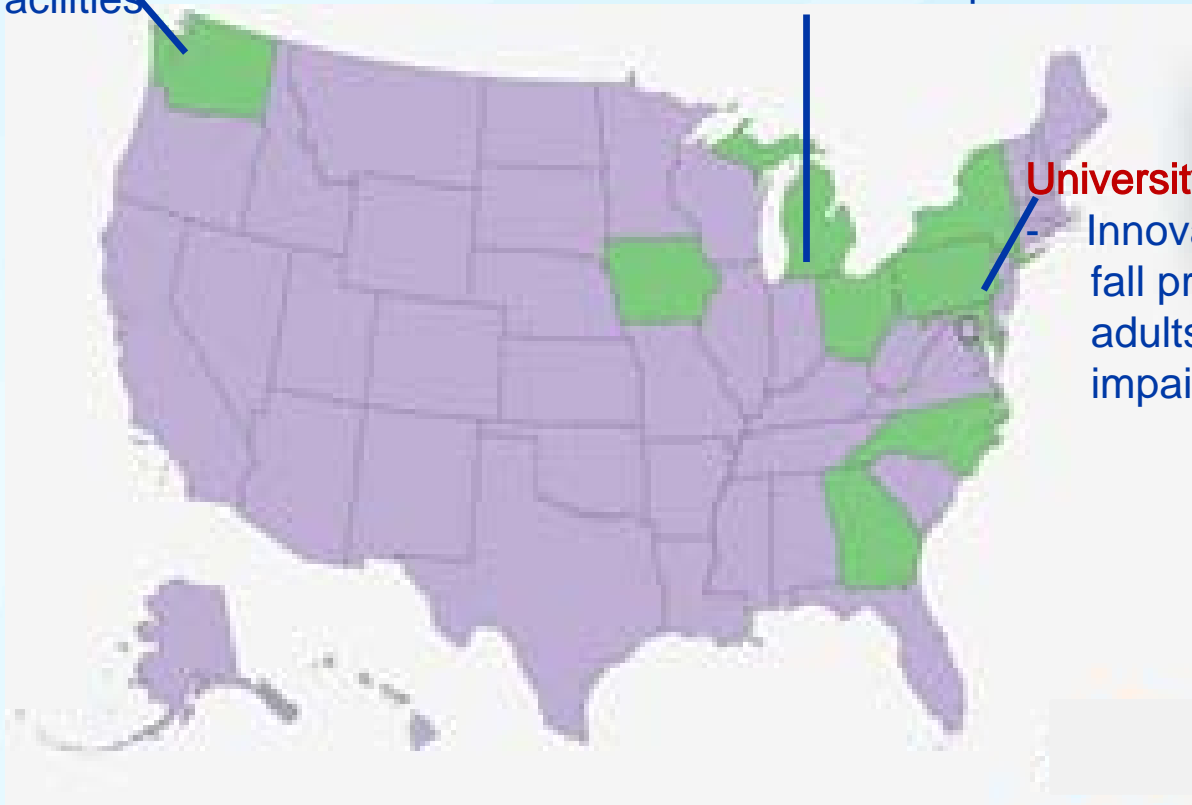
- Toolkit for fall prevention in long term care facilities

University of Michigan

- Overdose and fall risk in benzodiazepine users

University of Pennsylvania

- Innovative tech for fall prevention in older adults with mild cognitive impairment



Extramural Research Program Highlight – FY19 Funded ICRCs

NCIPC Research Priority: Motor Vehicle Injury Prevention

University of Iowa

- State driver licensing policy impact on older driver motor vehicle crash rates

Columbia University Impact of ridesharing on motor vehicle crashes, alcohol morbidity, and assault

-

University of Pennsylvania

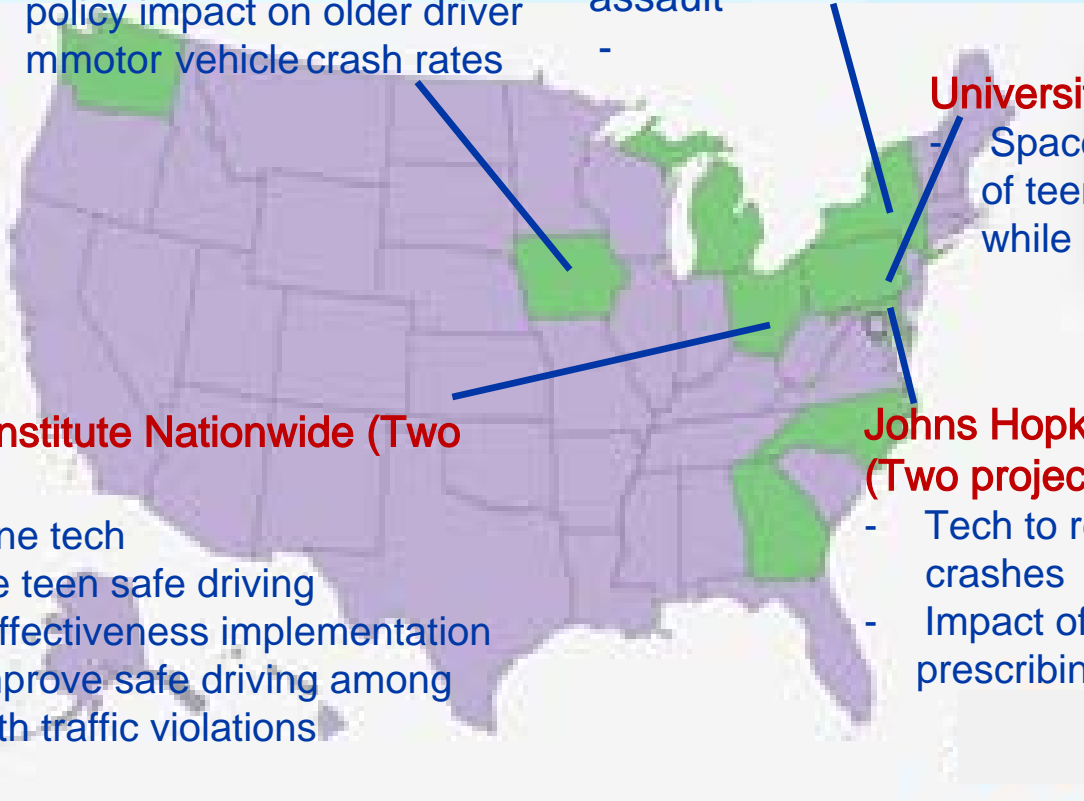
- Space/time characteristics of teen cell phone use while driving

Research Institute Nationwide (Two projects)

- Smartphone tech to improve teen safe driving
- Hybrid effectiveness implementation trial to improve safe driving among teens with traffic violations

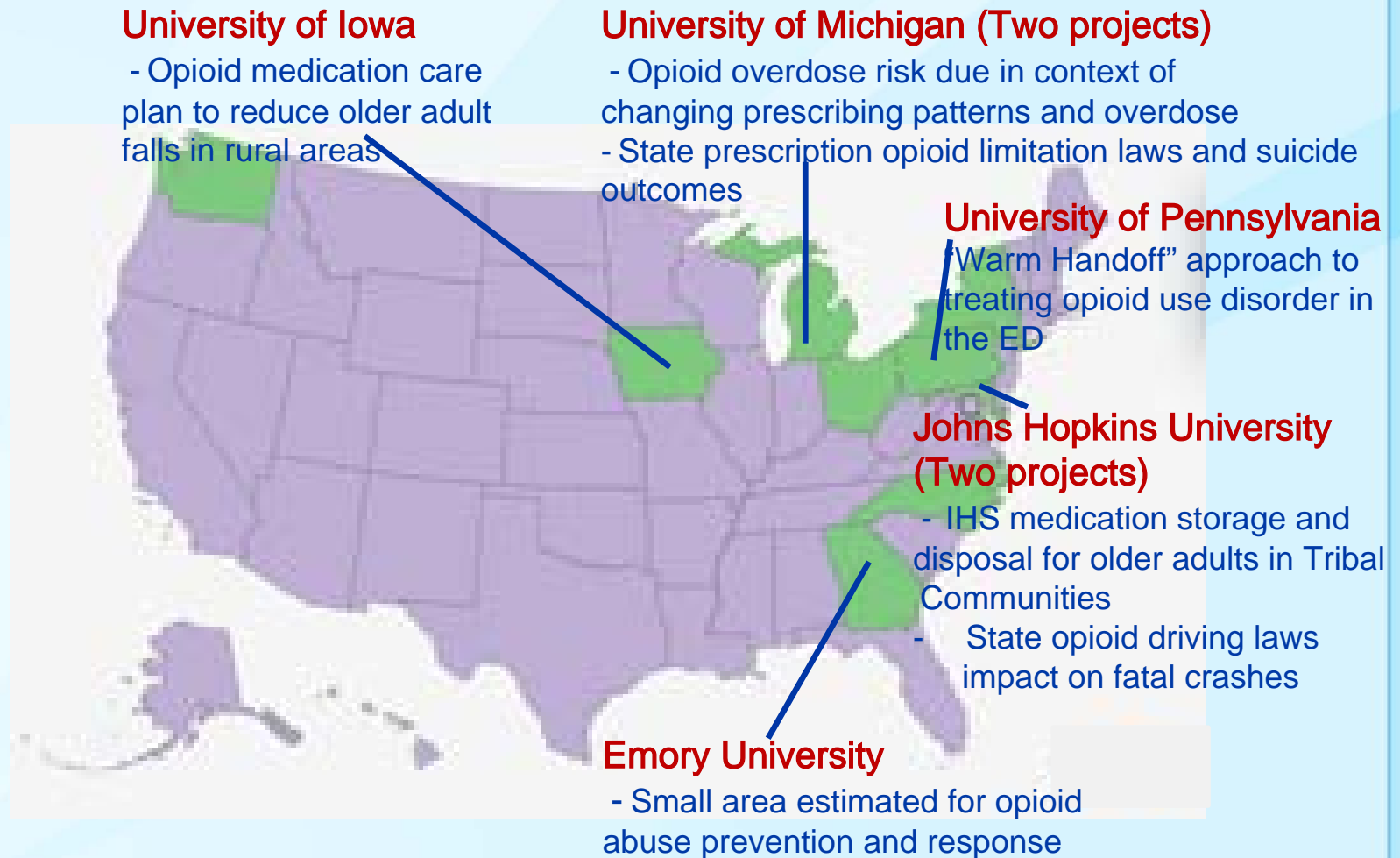
Johns Hopkins University (Two projects)

- Tech to reduce teen driving crashes
- Impact of state opioid prescribing laws on fatal crashes



Extramural Research Program Highlight – FY19 Funded ICRCs

NCIPC Research Priority: Opioid Use Disorder and Overdose Prevention



Extramural Research Program Highlight – FY19 Funded ICRCs

NCIPC Research Priority: Opioid Use Disorder and Overdose Prevention

Research Institute Nationwide

- Opioid overdoses and child abuse and neglect

Columbia University

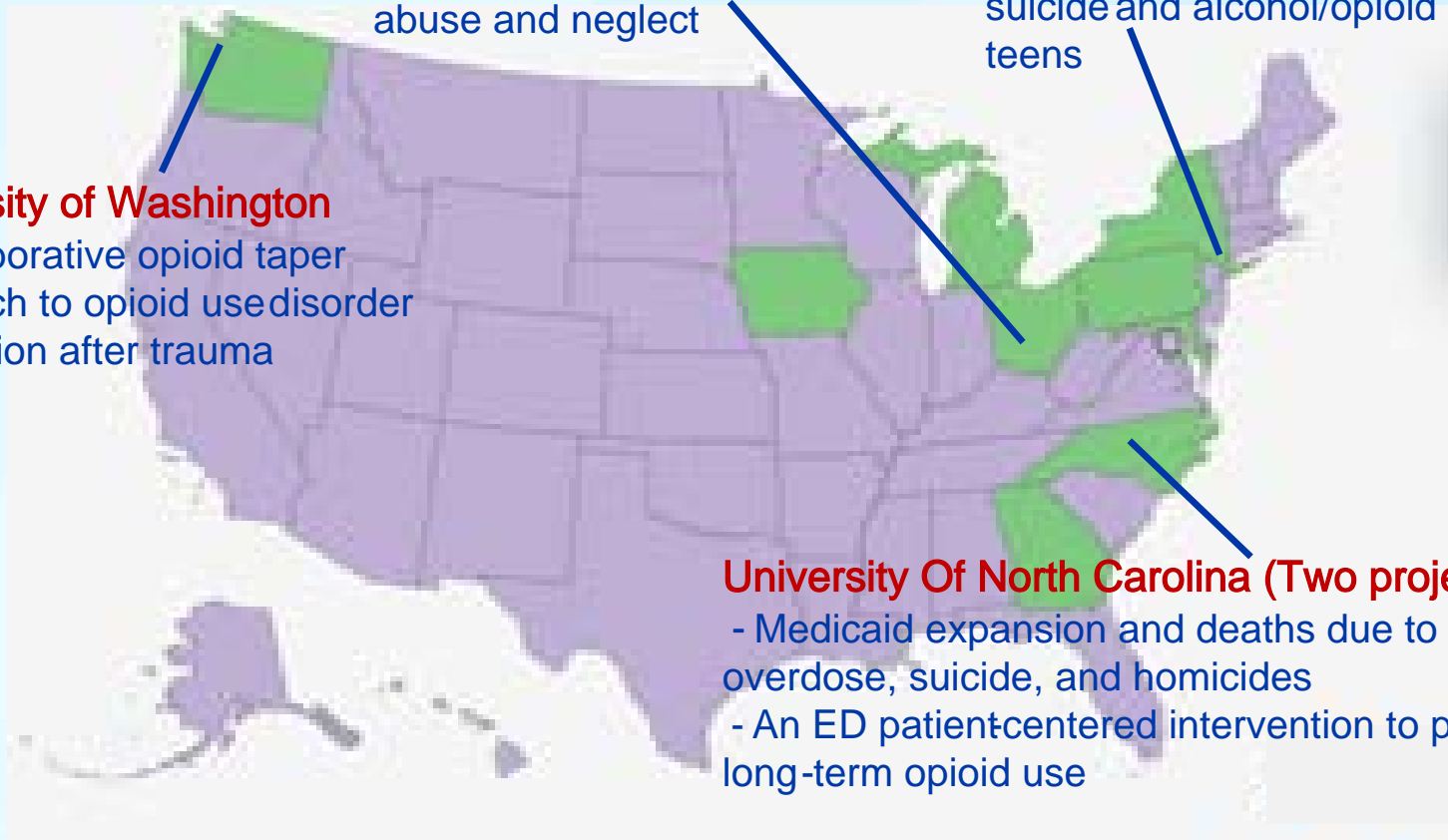
- Diverging trends in depression, suicide and alcohol/opioid use in teens

University of Washington

- Collaborative opioid taper approach to opioid use disorder prevention after trauma

University Of North Carolina (Two projects)

- Medicaid expansion and deaths due to opioid overdose, suicide, and homicides
- An ED patient-centered intervention to prevent long-term opioid use

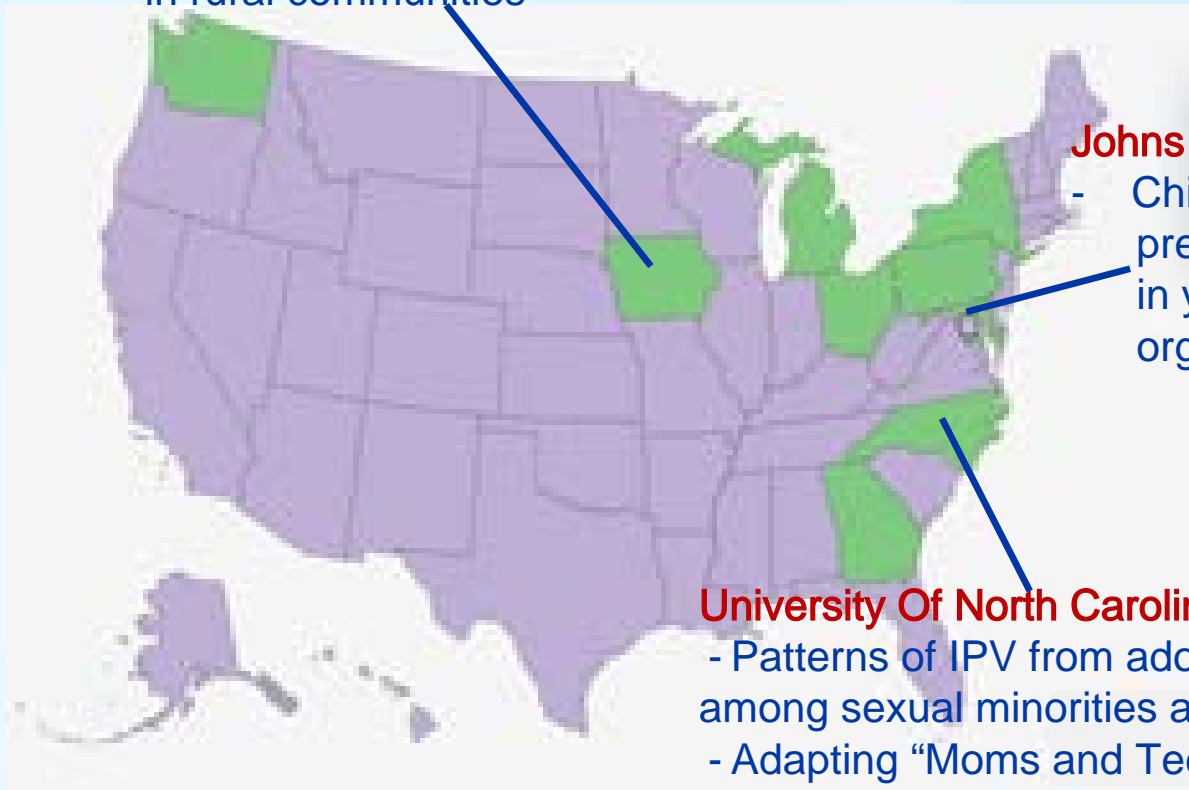


Extramural Research Program Highlight – FY19 Funded ICRCs

NCIPC Research Priority: Sexual Violence Prevention

University of Iowa

- TDV prevention program in rural communities



Johns Hopkins University

- Child sexual abuse prevention strategies in youth serving organizations

University Of North Carolina (Two projects)

- Patterns of IPV from adolescence to adulthood among sexual minorities and heterosexuals
- Adapting “Moms and Teens for Safe Dates” for web based delivery

Extramural Research Program Highlight – FY19 Funded ICRCs

NCIPC Research Priority: SelfDirected Violence and Suicide Prevention

University of Washington

- Evaluation of suicide prevention training for healthcare professionals

University of Michigan (Two projects)

- Translation of military/veteran crisis line for national guard service members
- Association between State prescription opioid limitation laws and suicides

Columbia University

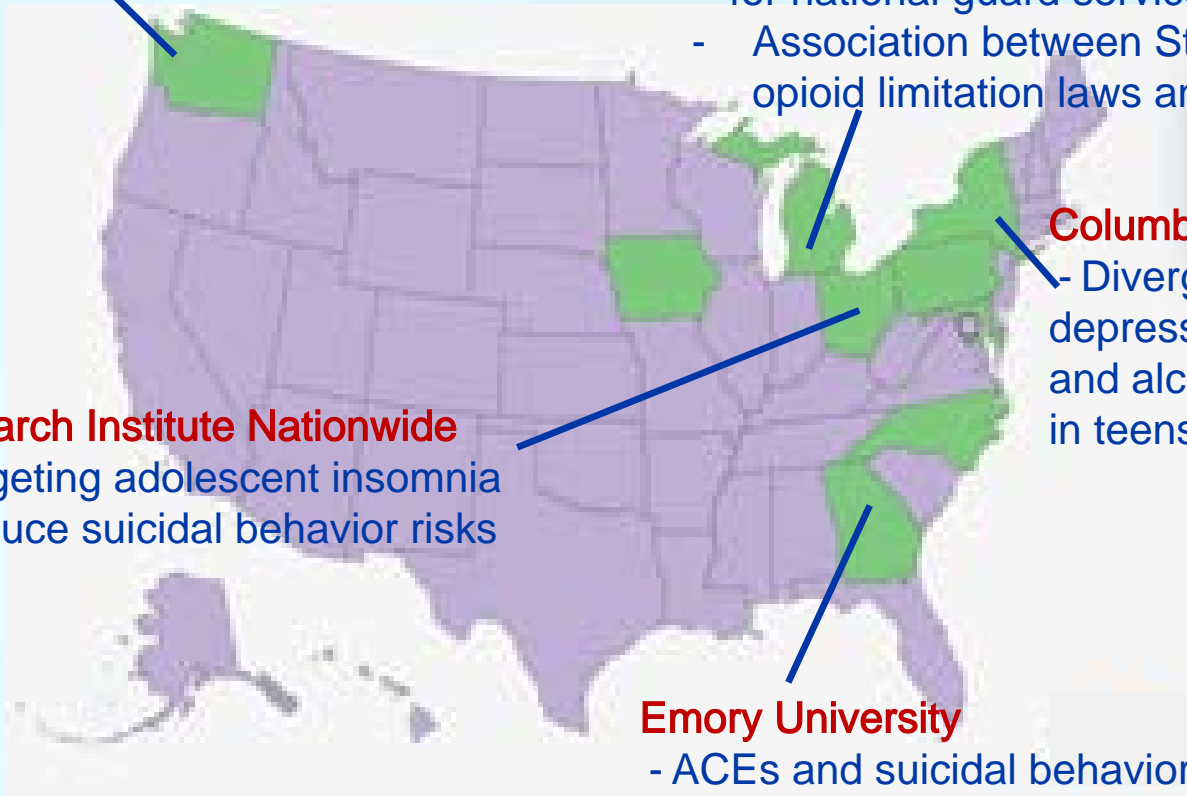
- Diverging trends in depression/suicide and alcohol/opioid use in teens

Research Institute Nationwide

- Targeting adolescent insomnia to reduce suicidal behavior risks

Emory University

- ACEs and suicidal behavior in African Americans – Assessment and Prevention

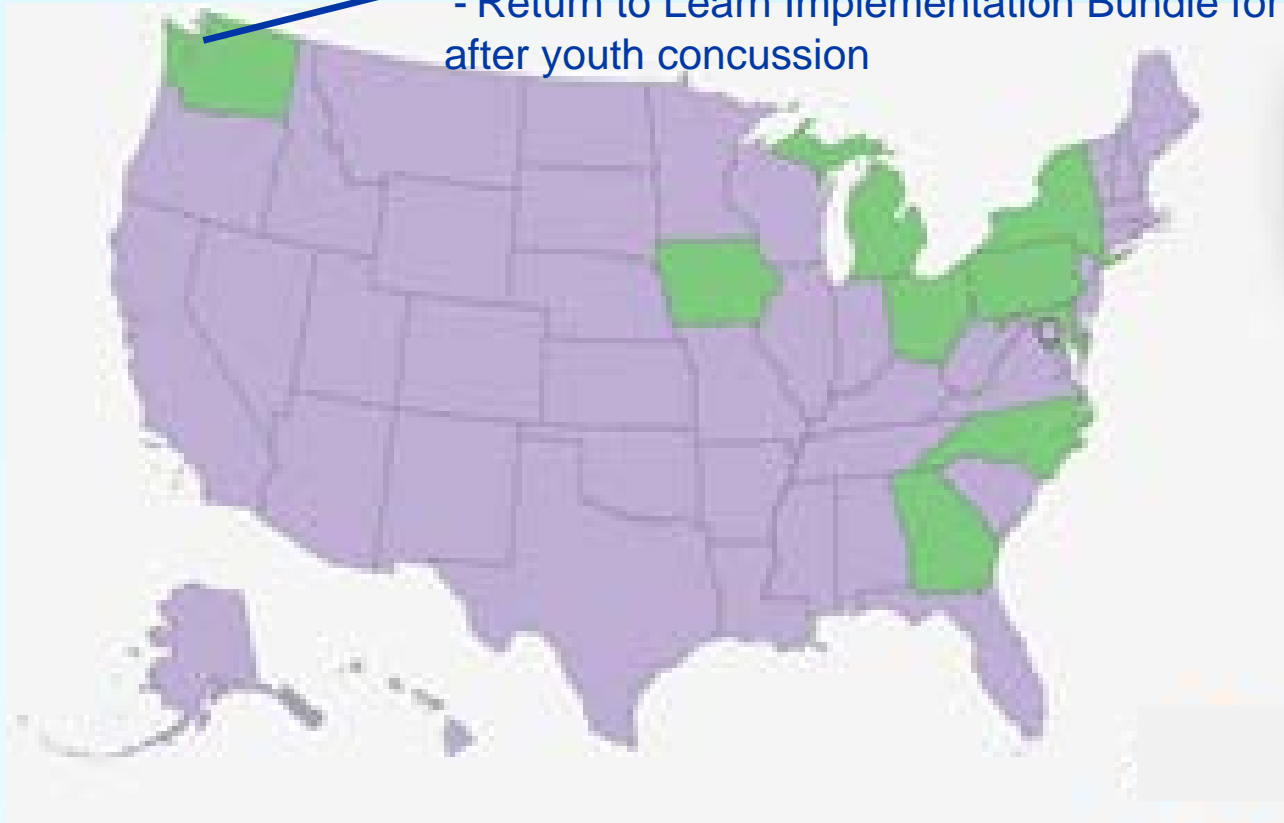


Extramural Research Program Highlight – FY19 Funded ICRCs

NCIPC Research Priority: Traumatic Brain Injury Prevention

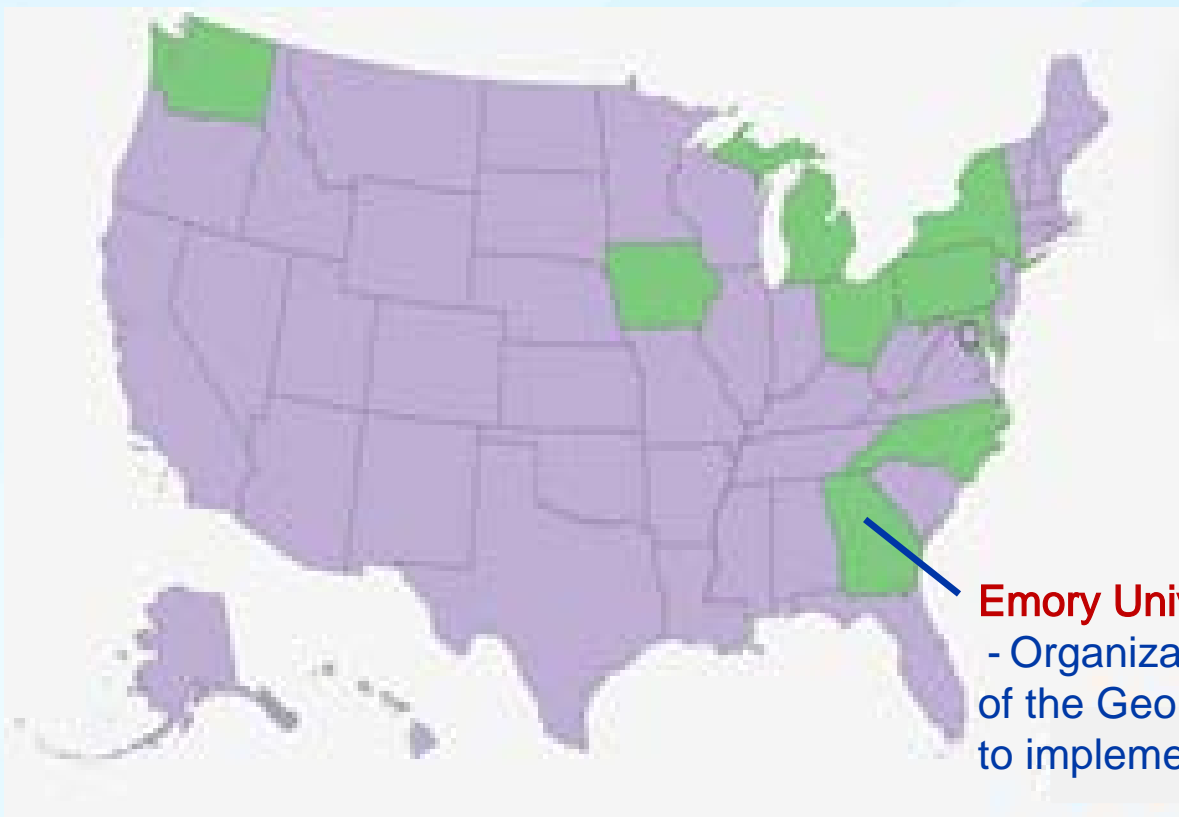
University of Washington

- Return to Learn Implementation Bundle for Schools (RISE) after youth concussion



Extramural Research Program Highlight – FY19 Funded ICRCs

NCIPC Research Priority: Violence Data Collection Models

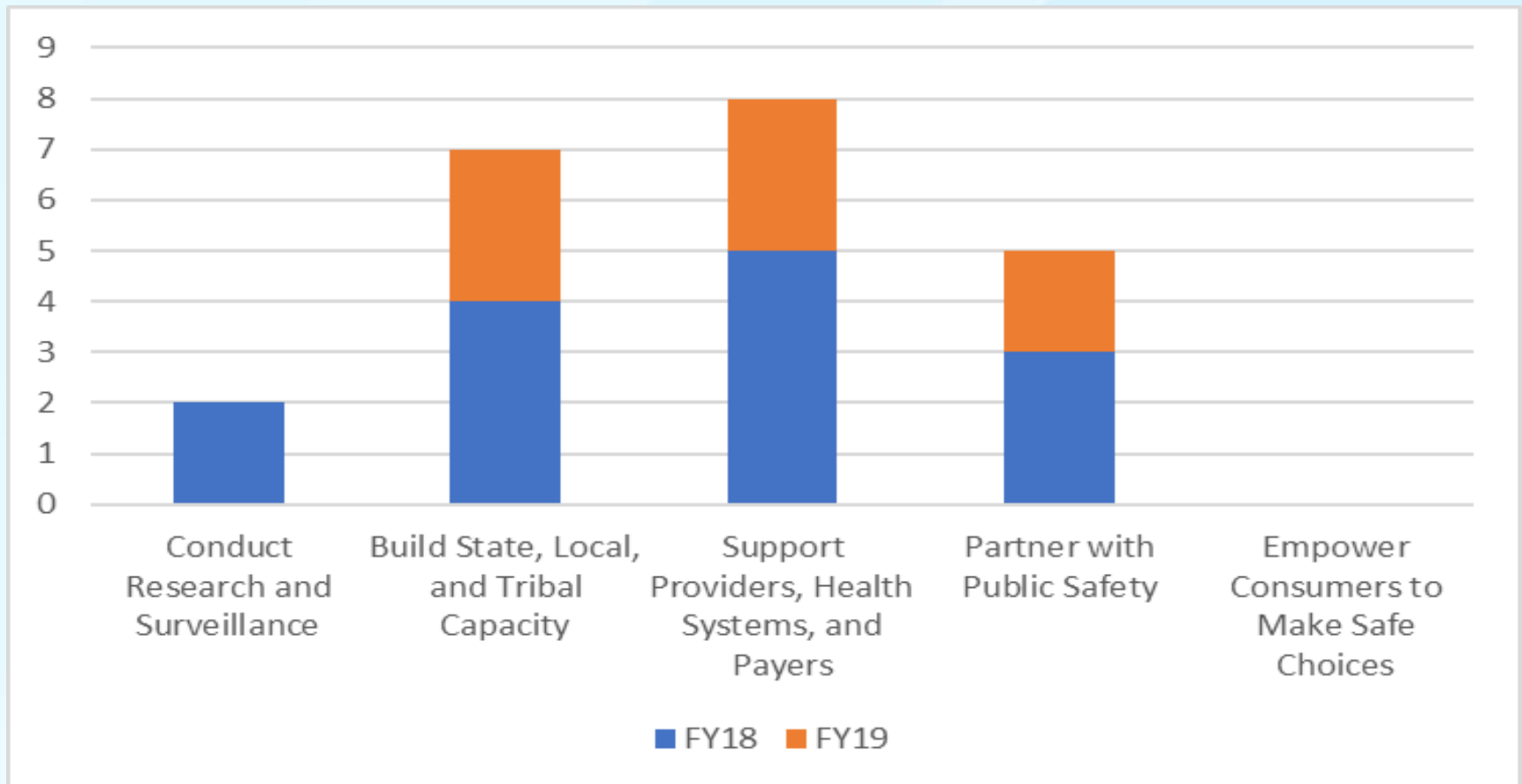


Emory University

- Organizational readiness
of the Georgia Trauma System
to implement the Cardiff Model

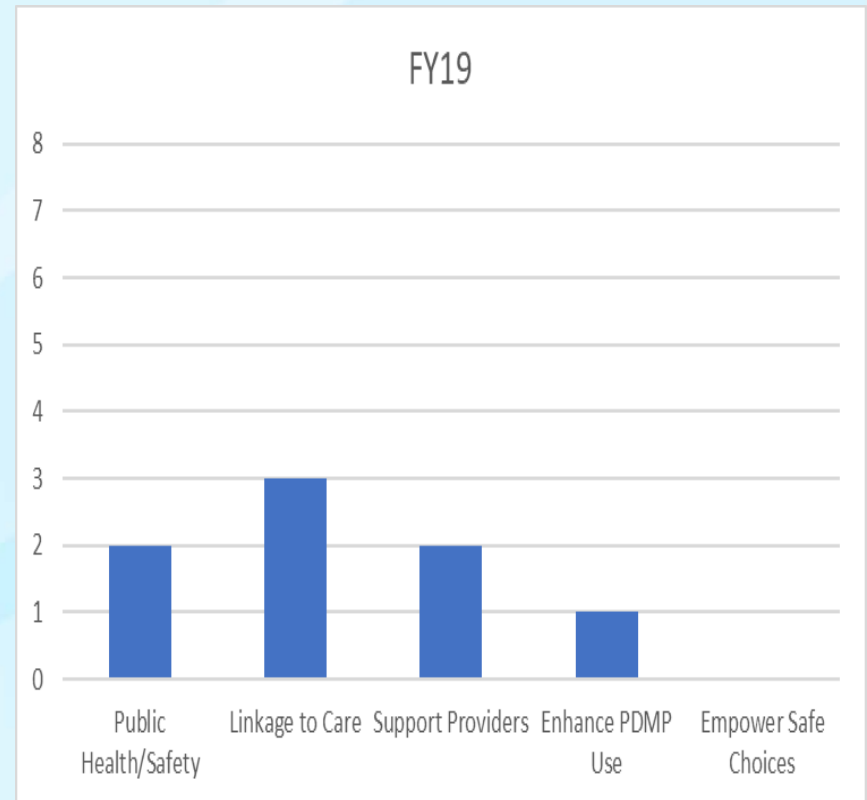
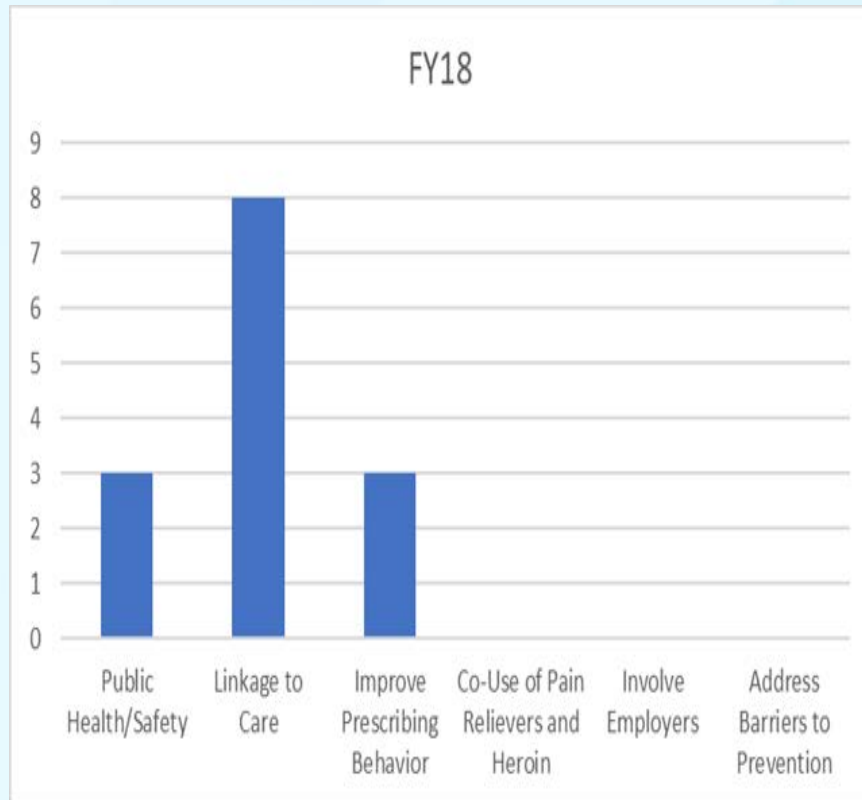
Extramural Research Program Highlight

CDC Strategic Framework for Opioid Use Disorder and Overdose Prevention: Areas Addressed by Research Awards



Extramural Research Program Highlight

NOFO Topic Areas Addressed by Opioid Research Awards

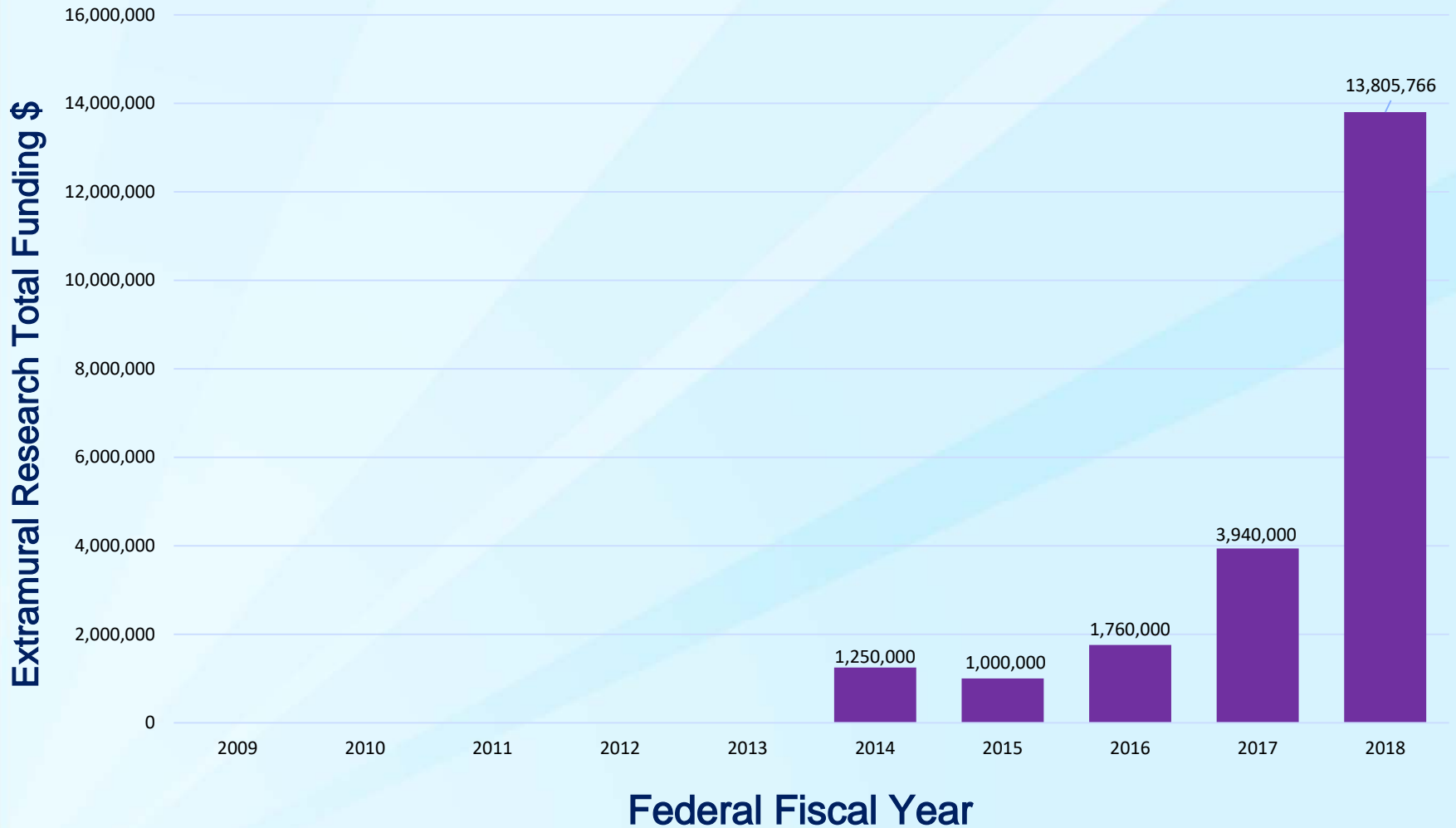


NCIPC Extramural Research Funding History FY2009-2019



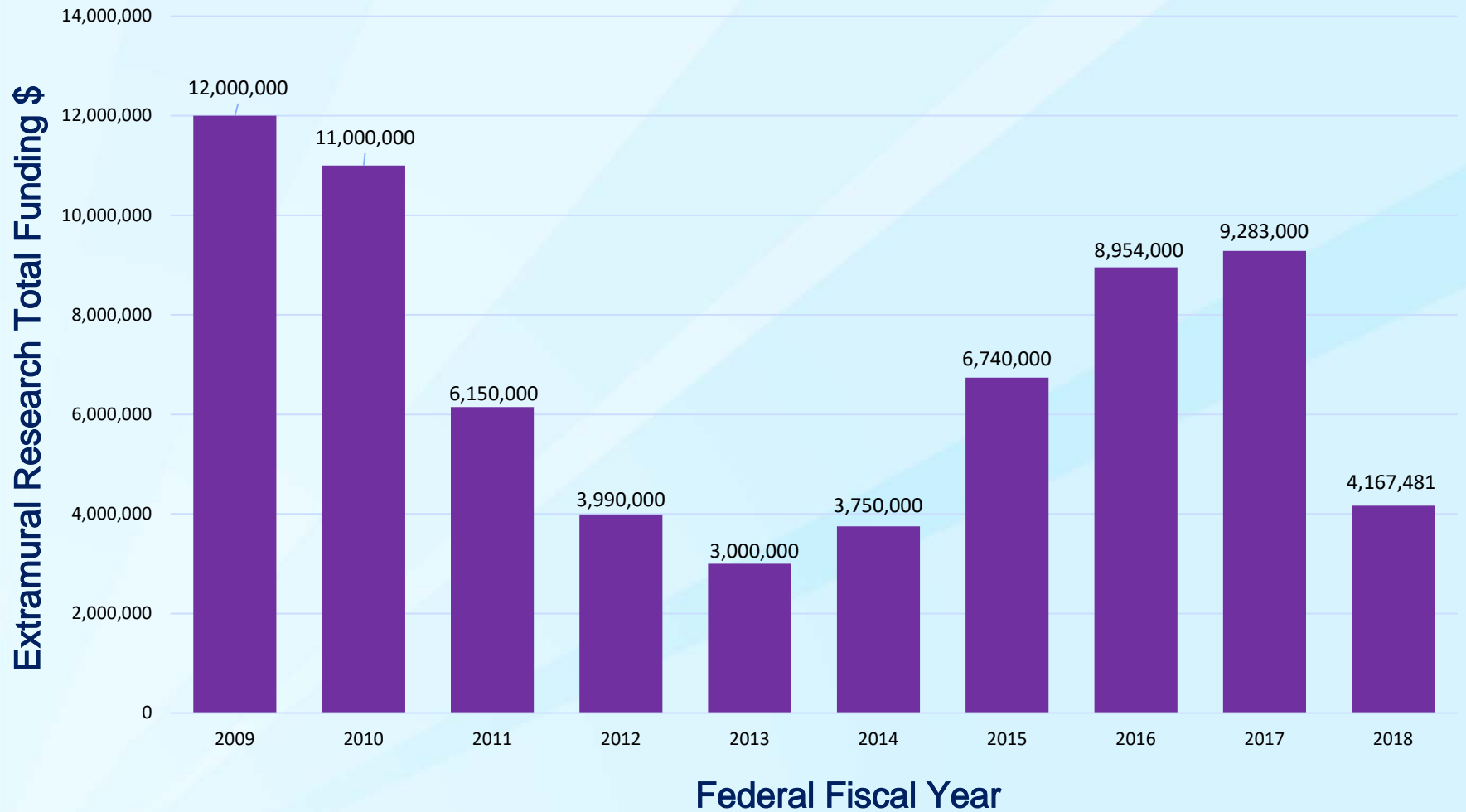
Source: NCIPC Extramural Tracking

NCIPC Opioid Use Disorder and Overdose Prevention Extramural Research Funding FY2009-2018



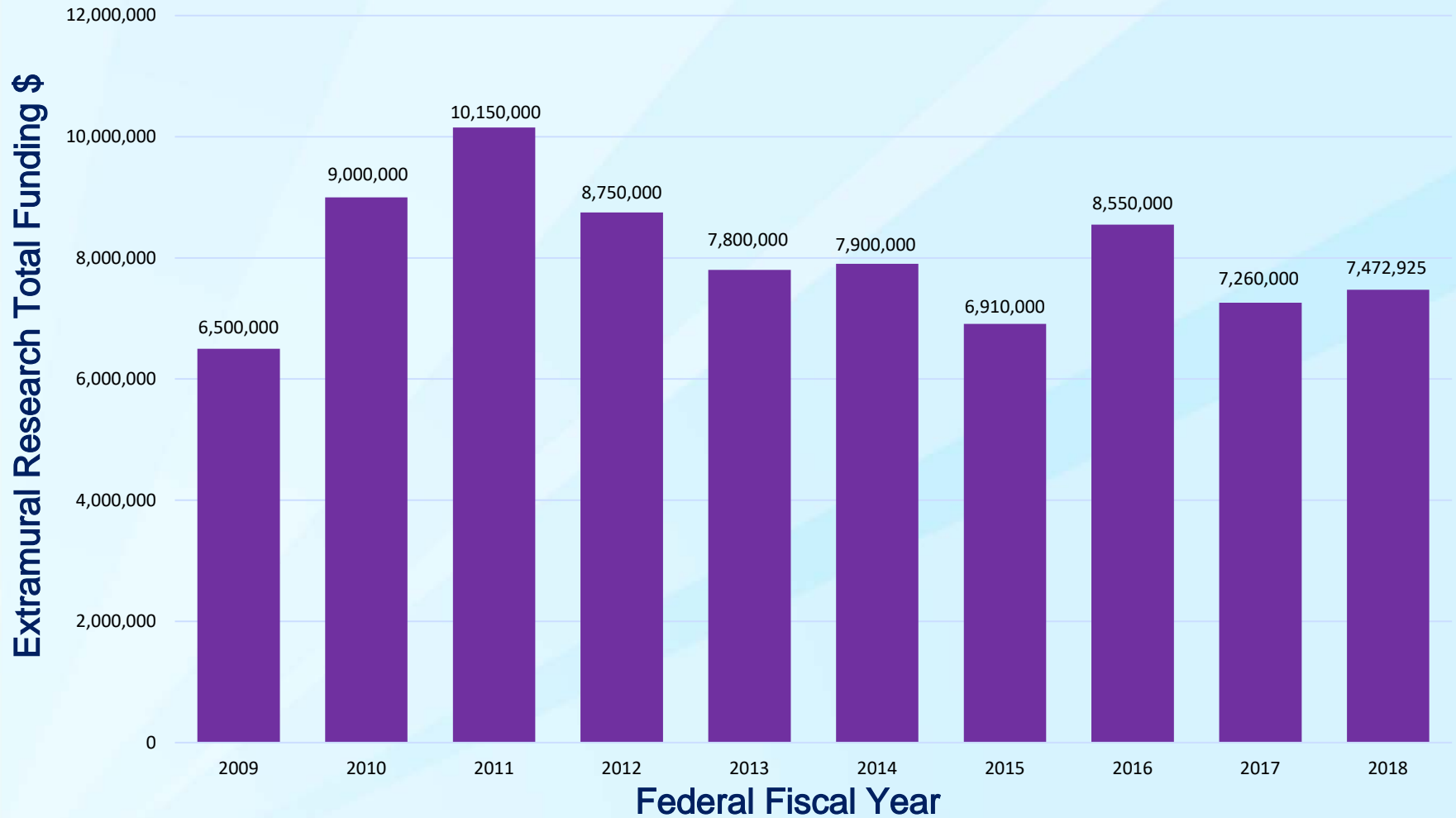
Source: NCIPC Extramural Tracking

NCIPC Sexual and Intimate Partner Violence Prevention Extramural Research Funding FY2009-2018



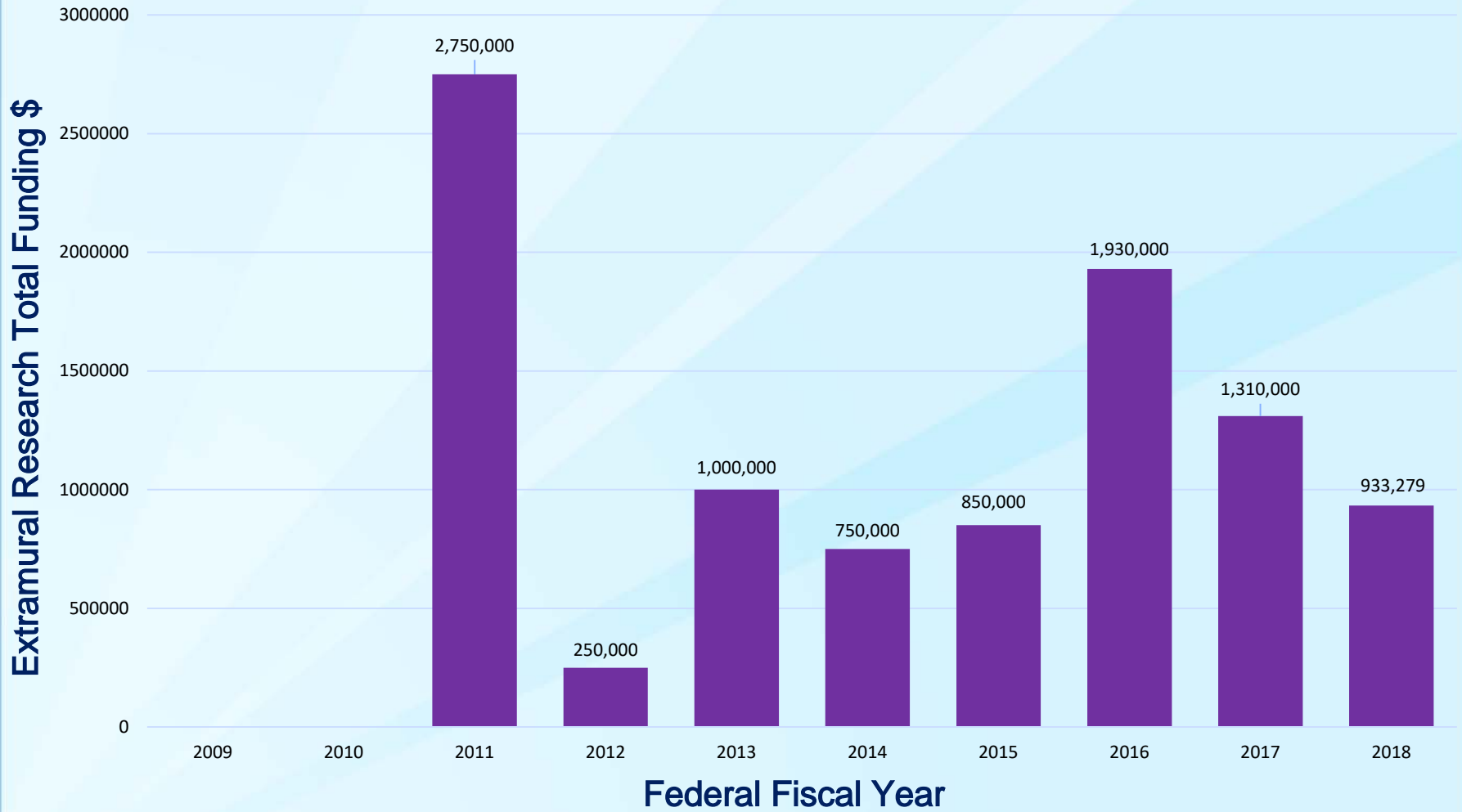
Source: NCIPC Extramural Tracking

NCIPC Youth Violence Prevention Extramural Research Funding FY2009-2018



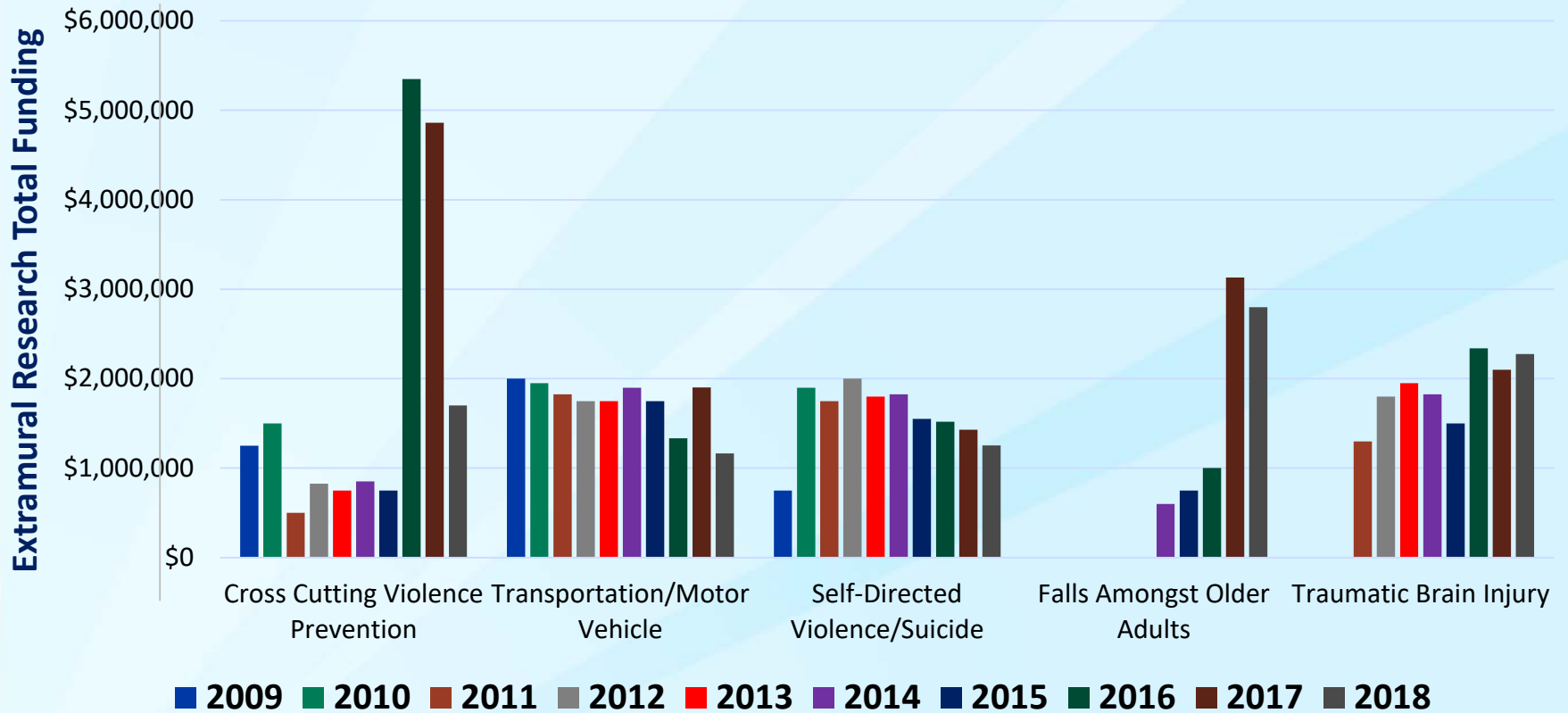
Source: NCIPC Extramural Tracking

NCIPC Child Maltreatment/Child Abuse and Neglect Prevention Extramural Research Funding FY2009-2018



Source: NCIPC Extramural Tracking

Additional NCIPC Injury Topic Areas Extramural Research Funding FY2009-2018



Source: NCIPC Extramural Tracking

Future Extramural Research Program Plans

FY2020 Notices of Funding Opportunities (New NOFOs) Forecasted on www.grants.gov:

- **CE20-001 Evaluating Practice-based programs, policies, and practices from CDC's Rape Prevention and Education (RPE) Program: Expanding the Evidence to Prevent Sexual Violence (U01)**
- **CE20-002 Grants to support new investigators in conducting research related to Preventing Interpersonal Violence Impacting Children and Youth (K01)**
- **CE20-003 Grants for Preventing Violence and Violence-Related Injury (R01)**

NCIPC Office of Science Extramural Research Program Operations

- **Rose Brown, MBA**
- **Carmen Davis**
- **Takia Davis**
- **Linda Franklin**
- **Natalie Hamilton, BS**
- **Dan Holcomb, BS**
- **LaTanya Jackson**
- **Kimberly Leeks, PhD**
- **Sue Neurath, PhD**
- **Kenneth Roberts, BS**
- **Mikel Walters, PhD**
- **Marcienne Wright, PhD**
- **Mildred Williams-Johnson, PhD**

Questions and Discussion