Launched in 2019, the National Institutes of Health's (NIH's) HEAL Preventing Opioid Use Disorder (OUD) Research Program supports research in four strategic areas: intervention development and evaluation; risk and protective factors; social determinants of health; and dissemination, implementation, and sustainability of preventive programming. Preventing OUD includes the HEAL Prevention Cooperative focused on developing and testing preventative interventions for older adolescents and young adults ages 15–30 who experience risk for opioid misuse and use disorder.

**The HEAL Prevention Cooperative (HPC) includes**

- The HEAL Prevention Coordinating Center (HPCC), which facilitates data sharing and collaboration across the HPC
- 10 HPC research projects that work across a variety of settings and populations to test preventive intervention strategies

Amy Goldstein  
*Program Official*  
amy.goldstein@nih.gov

Barbara Oudekerk  
*Science Officer*  
barbara.maurer@nih.gov

Bethany Deeds  
*Science Officer*  
deedsb@nida.nih.gov
The HEAL Prevention Cooperative (HPC) represents 10 research projects working in a coordinated way to enhance implementation and evaluation of prevention strategies. The HEAL Prevention Coordinating Center (HPCC) supports research projects and works to generate shared insights by collecting, analyzing, and reporting data across research projects.

The HPCC has five aims:

1. Facilitate HPC coordination and communication, including the dissemination of systematic reviews and other scholarly works
2. Provide implementation science consultation
3. Establish data infrastructure
4. Provide data harmonization and methodological and statistical consultation
5. Support economic evaluation across research projects

Award No. U24 DA050182

Phillip Graham
RTI International
pgraham@rti.org

Ty Ridenour
RTI International
tridenour@rti.org

Amy Goldstein
Program Official
amy.goldstein@nih.gov

Barbara Oudekerk
Science Officer
barbara.maurer@nih.gov

Bethany Deeds
Science Officer
deedsb@nida.nih.gov
Community Randomized Trial in the Cherokee Nation: CONNECT and CMCA for Preventing Drug Misuse Among Older Adolescents

Research Aim
Investigators are testing a theory-based, integrated multilevel (school, home, community) intervention designed to support mental health and prevent the onset and escalation of opioid and other drug misuse.

Population
Youth, ages 15–20, in rural areas in or near the Cherokee Nation in Oklahoma

Setting
Schools, homes, and communities

Strategies/Intervention
CONNECT school-based intervention:
- Universal screening and brief intervention with motivational interviewing
- Teacher training and support

Communities Mobilizing for Change and Action (CMCA):
- Media campaigns
- Family action kits and support
- Community organizing

Kelli Komro
Emory University
kkomro@emory.edu

Terrence Kominsky
Cherokee Nation
terrence-kominsky@cherokee.org

Juli Skinner
Cherokee Nation
juli-skinner@cherokee.org

Aria Crump
Program Official
acrump@nida.nih.gov

Kathy Etz
Science Officer
ketz@nida.nih.gov
Does Treating Young Persons’ Psychopathology Prevent the Onset of Opioid and Other Substance Use Disorders?

Research Aim
Investigators are examining the impact of treating behavioral health conditions on the development or course of opioid, nicotine, and other substance use disorders (SUDs) in young people who are receiving behavioral health treatment. This longitudinal study evaluates the impact of such therapies on subsequent development of opioid, nicotine, and other SUDs and identifies possible mediating and moderating variables that may influence outcomes. Additionally, this study aims to implement a pragmatic set of office-based instrumentation using patient-related outcome measures linked to electronic health records.

Population
Adolescents and young adults ages 16–30

Setting
Behavioral health

Behavioral Health Treatments
Behavioral health therapies

PI
Timothy Wilens
Massachusetts General Hospital
twilens@mgh.harvard.edu

Amy Yule
Boston Medical Center
amy.yule@bmc.org

PO
Amy Goldstein
Program Official
amy.goldstein@nih.gov

SO
Sarah Steverman
Science Officer
sarah.steverman@nih.hhs.gov
Prevention of OUD: The HOME (Housing, Opportunities, Motivation, and Engagement) Randomized Trial

Award No. UH3 DA050174

Research Aim
Investigators aim to prevent opioid use disorder among homeless youth through a Housing First strategy combined with OUD and other risk prevention mechanisms. The investigators will assess the efficacy, feasibility, and target population acceptability of intervention services before conducting a randomized controlled trial. Participants will be assigned to one of two intervention conditions: (1) 6 months of housing and opioid risk prevention services or (2) opioid risk prevention services without housing support.

Population
Youth experiencing homelessness and young adults ages 18–24

Setting
Communities of Central Ohio

Strategies/Intervention
Housing First combined with
- Motivational interviewing
- Suicide prevention
- Advocacy and links to community supports
- HIV prevention

Natasha Slesnick
Ohio State University
slesnick.5@osu.edu

Kelly Kelleher
Nationwide Children's Hospital
kelleher.18@osu.edu

Aria Crump
Program Official
acrump@nida.nih.gov

Carrie Mulford
Science Officer
carrie.mulford@nih.gov
Preventing Parental Opioid and/or Methamphetamine Addiction with DHS-Involved Families: FAIR

Research Aim
This project develops, tests, and implements an intervention designed to prevent the onset and/or escalation of opioid and methamphetamine use disorders in parents referred to or at-risk for referral to the child welfare and/or self-sufficiency systems. In the first phase of the study, researchers will identify geographic regions with low service availability and access for families served by the Oregon Department of Human Services. In the hybrid implementation-effectiveness phase, researchers will simultaneously assess the feasibility of large-scale implementation while testing the clinical effectiveness of an evidence-based program adapted for prevention. The prevention program is an integrated approach that recognizes the interplay between substance use, mental health, parenting needs, and social determinants that affect health and parenting outcomes.

Population
Parents ages 16–30 who are at-risk for opioid misuse and/or methamphetamine use or escalation (use three or less times in the last 12 months)

Setting
Outpatient clinic setting serving families referred by child welfare or self-sufficiency

Strategies/Intervention
Families Actively Improving Relationships for Prevention (PRE-FAIR)

PI
Lisa Saldana
Oregon Social Learning Center
lisas@olsc.org

PO
Aria Crump
Program Official
acrump@nida.nih.gov

SO
Carrie Mulford
Science Officer
carrie.mulford@nih.gov
Using SMART Design to Identify an Effective and Cost-Beneficial Approach to Preventing OUD in Justice-Involved Youth

**Research Aim**
The project applies a sequential, multiple-assignment, randomized trial (SMART) research design to study the prevention of opioid use initiation and escalation among adolescents involved in the juvenile justice system. The randomized controlled experiment will evaluate prevention strategies of different intensities based on the Adolescent Community Reinforcement Approach with Assertive Continuing Care (ACRA/ACC). The highest intensity uses an enhanced ACRA/ACC model that includes motivational interviewing and trauma emotion regulation content from the Trauma Affect Regulation: Guide for Education and Therapy - 4 Sessions (T-4).

**Population**
Incarcerated youth and young adults ages 15–25 confined in institutions or group homes

**Setting**
Juvenile rehabilitation

**Strategies/Intervention**
- Approach with Assertive Continuing Care (ACRA/ACC)
- Motivational Interviewing
- Trauma Affect Regulation: Guide for Education and Therapy - 4 Session (T4)

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Kym Ahrens
Seattle Children’s Research Institute
Kym.ahrens@seattlechildrens.org

Kevin Haggerty
University of Washington
School of Social Work
haggerty@u.washington.edu

Amy Goldstein
Program Official
amy.goldstein@nih.gov

Carrie Mulford
Science Officer
carrie.mulford@nih.gov

Award No. UH3 DA050189
Preventing Opioid Use Among Justice-Involved Youth as They Transition to Adulthood: Leveraging Safe Adults (LeSA)

**Research Aim**
This project investigates the effectiveness of an intervention aimed at preventing substance use among juveniles who are transitioning into their communities after detainment. The program will implement an adaptation of the Trust-Based Relational Intervention™ (TBRI™), which promotes youth emotional regulation by training adults in principles of connection, empowerment, and correction. In the first phase of the program, dyads consisting of a youth and their designated “safe adult” will receive standard community re-entry practice (SRP). In the second phase, dyads will be assigned to one of three TBRI conditions with various coaching components, in addition to SRP.

**Population**
Youth ages 15–18 transitioning into communities after a period of detainment

**Setting**
Juvenile justice

**Strategies/Intervention**
Trust-Based Relational Intervention (TBRI)
Optimized Interventions to Prevent Opioid Use Disorder Among Adolescents and Young Adults in the Emergency Department

Research Aim
Researchers are using a randomized controlled trial to evaluate the efficacy of health coaching strategies delivered to emergency department (ED) patients to prevent opioid misuse among adolescents and young adults. The interventions incorporate motivational interviewing and include a telehealth session, post-ED visit messaging via an online participant portal, or both.

Population
Youth and young adults (ages 16–30) in the ED who have recent opioid use (plus another risk factor) or opioid misuse

Setting
Emergency department

Strategies/Intervention
Health coaching

Maureen Walton
University of Michigan
waltonma@med.umich.edu

Erin Bonar
University of Michigan
erinbona@med.umich.edu

Amy Goldstein
Program Official
amy.goldstein@nih.gov

Sarah Steverman
Science Officer
sarah.steverman@nih.hhs.gov
Supplement to Prevention Research Center: Parenting Among Women Who are Opioid Users, Project 2

Research Aim
Investigators are adapting the evidence-based Family Check-Up (FCU) intervention to improve parenting and child outcomes for families with a history of substance use.

Population
Rural parents ages 18–29 who have a history of substance misuse and are enrolled in the Healthy Start program or similar community agencies

Setting
Community agencies providing family services

Strategies/Intervention
Family Check-Up
- Online health assessments
- Computer-based modules and feedback
- Motivational interviewing with a health coach

Beth Stormshak
University of Oregon
bstorm@uoregon.edu

Leslie Leve
University of Oregon
leve@uoregon.edu

Aria Crump
Program Official/Science Officer
acrump@nida.nih.gov
Development and Implementation of a Culturally Centered Opioid Prevention Intervention for Urban American Indian and Alaska Native Emerging Adults

**Research Aim**
Project investigators will develop, test, and analyze the effects of a culturally sensitive opioid, alcohol, and drug prevention program designed for urban American Indian/Alaska Native emerging adults.

**Population**
American Indian and Alaskan Native emerging adults ages 18–25

**Setting**
Virtual, community-based

**Strategies/Intervention**
- Motivational interviewing
- Individualized personal network visualization
- Native American identity and traditional practices
- Community wellness circles focusing on cultural education

**Award No.** UH3 DA050235

Elizabeth D’Amico  
RAND Corporation  
damico@rand.org

Daniel Dickerson  
UCLA, Integrated Substance Abuse Programs  
daniel.dickerson@ucla.edu

Aria Crump  
Program Official  
acrump@nida.nih.gov

Kathy Etz  
Science Officer  
ketz@nida.nih.gov
A Digital Intervention to Prevent the Initiation of Opioid Misuse in Adolescents in School-Based Health Centers

**Research Aim**
Researchers have developed and are evaluating, and delivering in school-based health care settings, a videogame intervention called PlaySmart. PlaySmart aims to promote mental health and prevent the initiation of opioid misuse in older adolescents through relatable storylines and skill-building activities. In the first phase, the intervention was developed with extensive input from key stakeholders (e.g., adolescents, school-based health center personnel, prevention specialists, and health providers of those diagnosed with OUD) and pilot tested among adolescents. In the second phase, 532 high-risk adolescents are being enrolled in a randomized controlled trial and are assigned to either the PlaySmart game or a set of attention/time control games. Working closely with school-based health programs, including school-based health centers, the team is partnering with up to 15 school-based health programs across the country to implement the videogame and conduct a cost evaluation.

**Population**
Adolescents 16–19 who are at high risk of opioid misuse

**Setting**
School-based health programs

**Strategies/Intervention**
Videogame