

# NATIONAL CONSTRUCTION CENTER

## NORA Construction Sector Council Update

**Rick Rinehart, ScD**  
Deputy Director



THE CENTER FOR CONSTRUCTION  
RESEARCH AND TRAINING

ARTBA  
Washington DC  
11/20/2019





**CPWR Awarded New  
Cooperative Agreement**

# Core Functions Continuing

2014 - 2019

Data Center

Communications

r2p/ Partnerships



2019 - 2024

Data Center

Communications

r2p/ Partnerships

# Two IH / Exposure Assessment Projects Continuing

2014 - 2019



2019 - 2024



Reactive  
Chemicals  
Part A



Reactive  
Chemicals  
Part B

# Safety Leadership/ Climate Project Evolving

2014 - 2019



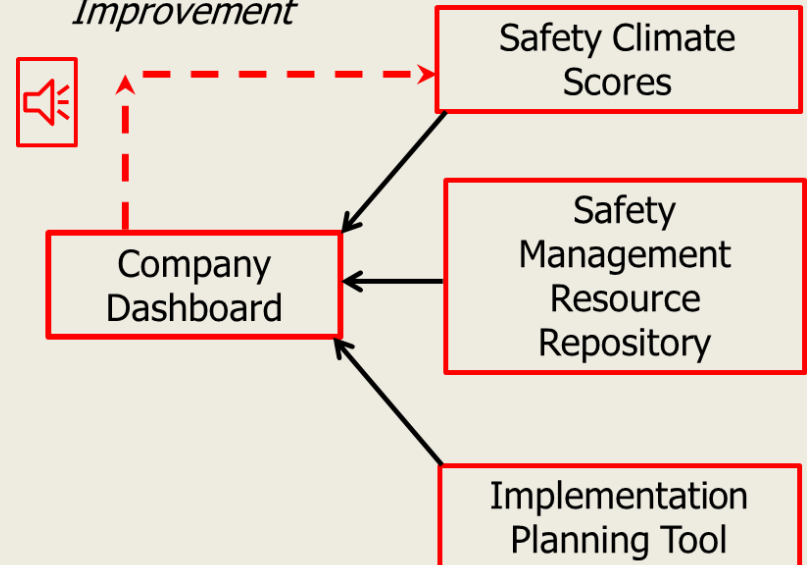
2019 - 2024

Safety Climate Assessment Tool (S-CAT<sup>SC</sup>)  
for Small Contractors



Safety Climate-Safety  
Management Information  
System (SC-SMIS)

*Continuous  
Improvement*



# Small Studies Program

1993



2019 - 2024

Good practices  
Emerging issues  
New technologies  
Innovative directions  
High risk sectors and populations

Received 284 letters of intent and  
funded 119 studies

# Projects Finishing Up...on the r2p road

2014 - 2019

Safety  
Climate and  
Ergonomics

Public Policy  
Intervention  
Impacts\*

Construction  
Solutions

Concrete  
Drilling  
Methods\*

Contractor Safety  
Pre-Qualification  
Tool\*

Safety Voice  
for  
Ergonomics

Planning  
→ Outputs  
→ Strategies  
→ Channels

# Projects Getting Underway

2019 - 2024

Improved  
OSHA 10

Evaluation of  
Exoskeletons

PtD Diffusion

Prevention  
through  
Augmented  
Pre-Task  
Planning

Evaluation  
of Best  
Built Plans

Safety and Wellbeing  
for Women through  
Mentoring

Leadership  
and Fall  
Prevention in  
Residential





**OPIOIDS**



Full length article

## Construction trade and extraction workers: A population at high risk for drug use in the United States, 2005–2014

Danielle C. Ompad <sup>a, b</sup>  , Robyn R. Gershon <sup>a</sup>, Simon Sandh <sup>a</sup>, Patricia Acosta <sup>c</sup>, Joseph J. Palamar <sup>b, c</sup>

‘Due to high injury and fatality rates’

‘Injuries from repetitive, strenuous work can lead to treatment or self-treatment’

‘Precarious employment associated with increased odds of drug use’

## News Headline

***Construction workers are  
the most likely to misuse  
prescription opioids***

USA TODAY

November 5, 2019

[www.cpwr.com/research/opioid-resources](http://www.cpwr.com/research/opioid-resources)

**HAZARD  
ALERT**

**CPWR** [●]  
THE CENTER FOR CONSTRUCTION  
RESEARCH AND TRAINING

## **OPIOID DEATHS IN CONSTRUCTION**



### **Why are Construction Workers at Risk?**

*The construction industry has one of the highest injury rates compared to other industries.<sup>1</sup> Opioids are often prescribed to treat the pain caused by these injuries.*

### **Protect Yourself!**

#### **1 Prevent Injuries**

*Work shouldn't hurt – your employer must provide a safe workplace to prevent an injury from occurring. A commitment to safety reduces the risk for injury and need for pain medication.*

