



# Center for Construction Research and Training (CPWR)



## What are our priorities?

CPWR-The Center for Construction Research and Training serves as the National Construction Center under a NIOSH cooperative agreement. Since 1990, the CPWR and NIOSH have partnered to focus on reducing occupational injuries, illnesses, and fatalities and improving construction workers' lives. Priority activities aim to:

- Prevent worker injuries and fatalities, particularly from falls and struck-by incidents.
- Prevent worker disease by reducing respiratory hazards such as the virus that causes COVID-19 and silica.
- Reduce painful injuries and musculoskeletal disorders (MSDs).
- Increase understanding of work-related aspects of mental health issues (including opioid use disorder).

## What do we do?

- Collaborate with the construction industry, NIOSH, the Occupational Safety and Health Administration (OSHA), and the National Occupational Research Agenda [Construction Sector Council](#) to develop and disseminate resources to support safety priorities, including the [National Campaign to Prevent Falls in Construction](#), the [National Struck-by Stand-Down](#), the [Safe + Sound Campaign](#), and the [Heat Campaign](#).
- [Analyze and share data](#) on safety, health, and well-being, particularly among underserved populations, and identify emerging hazards and research needs.
- Engage partners to [plan, conduct, and disseminate research](#).
- Develop tools to improve job site [safety climate](#).
- Offer research-based resources (English and Spanish) on hazards, interventions, and training through print, email, social media, and 15 websites, including [cpwr.com](#).

## What have we accomplished?

- Developed and disseminated resources on [keeping workers safe from COVID-19](#), including new infographics, webinars and guidance on ventilation and vaccination.
- Published of a series of [interactive data dashboards](#) to inform and respond to rapid changes in the construction industry.
- [Generated journal articles](#) based on CPWR-supported research on mental health and opioid use, strengthening job hazard analyses, and new methods for monitoring construction worker exposure to reactive chemicals.
- Launched [new website](#) to help contractors assess their safety climate, select and implement appropriate tools to strengthen it, and engage in continuous improvement.
- Published [Small Studies](#) program reports on: a model for measuring and mitigating risks when using drones at construction sites; identifying and assessing MSDs when workers use concrete formwork systems; and guidance for safer human-robot interaction in construction.

## What's next?

- Support the expanded national infrastructure improvement initiatives with established [tools, resources, and programs](#) and develop new resources based on identified gaps.
- Publish results from and develop resources based on findings from 13 research projects.
- Report Small Studies outcomes on topics such as intelligent hearing protection, worker mental health, trench safety, and building information modeling (BIM).
- Develop a planning program to prevent struck-by incidents based on findings from a behavioral economics literature review and recent survey on contractor needs and practices.
- Expand use of existing opioid overdose prevention and mental health resources and explore mental health stressors in the construction.

## At-A-Glance

CPWR is dedicated to reducing injuries, illnesses, and fatalities in the construction industry through training, research, and service programs. This snapshot shows recent accomplishments and upcoming work.

## Spotlight

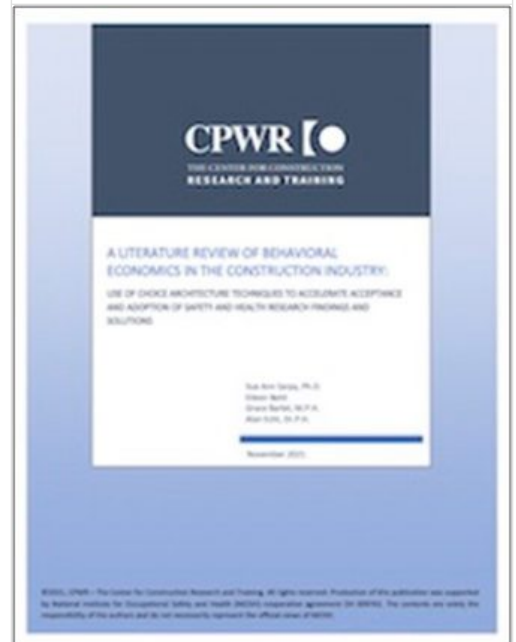
### Infrastructure Resources Keeping Construction Workers Safe as America Rebuilds



### Crane and Lift Zone Safety: Planning for a Safe Lift (Spanish)



## Behavioral-Economics-Literature-Review



Centers for Disease Control and Prevention  
National Institute for Occupational Safety and Health

Mention of any company or product does not constitute endorsement by the National Institute for Occupational Safety and Health, Centers for Disease Control and Prevention

To learn more, visit  
<http://www.cpwr.com/>  
July 2022