

What are our priorities?

CPWR-The Center for Construction Research and Training serves as the National Construction Center under a National Institute for Occupational Safety and Health (NIOSH) cooperative agreement. Since 1990, the Center's research has focused on reducing occupational injuries, illnesses, and fatalities in the construction industry. Current priorities include:

- Preventing fall injuries and fatalities
- Reducing occupational exposure to hazards such as isocyanates, respirable silica, noise, and engineered nanoparticles
- Improving safety climate to prevent injuries
- Reducing work-related musculoskeletal disorders

What do we do?

- Collaborate with the Occupational Safety and Health Administration (OSHA), NIOSH and the National Occupational Research Agenda (NORA) Construction Sector Council on development, implementation, and promotion of the National Campaign to Prevent Falls in Construction and the National Safety Stand-Down.
- Analyze data to track safety and health trends and changes in workforce demographics in construction, and identify emerging hazards and research needs, including among Hispanic workers who make up roughly 30% of U.S. construction workers.
- Investigate and develop tools to improve jobsite safety climate.
- Explore emerging hazards and offer guidance on potential risks and preventative measures.
- Bring together industry partners to engage construction workers and contractors in safety and health research and outreach.
- Provide stakeholders with ready access to information on occupational hazards, evidence-based interventions, and training resources through print and our family of websites, such as <http://www.silica-safe.org> and <http://www.cpwrconstrutionsolutions.org/>.
- Translate research findings into practical tools and materials to encourage their widespread adoption on construction jobsites, and develop tools to support researchers' research-to-practice (r2p) activities.

What have we accomplished?

- Expanded the [Foundations for Safety Leadership](#) (FSL) program resources to include new scenarios and tool box talks. The FSL program resources have already been downloaded more than 18,000 times.
- Published a digital version of the 6th Edition of CPWR's [Construction Chart Book](#), a comprehensive statistical reference on industry demographic trends and occupational safety and health hazards.
- Developed the Best Built Plans Social Marketing Pilot Program to encourage the use of safer materials handling practices. The program includes a planning tool, training resources, and microgames to reinforce safe practices with workers.
- Conducted a pilot Social Network Analysis focused on the National Campaign to Prevent Falls in Construction to evaluate the Campaign's reach and identify new opportunities. The findings are influencing Campaign activities
- Developed and launched a [Safety Climate Assessment Tool for Small Contractors \(S-CAT^{sc}\)](#) for contractors to use to assess their safety climate across eight leading indicators.
- Developed an online [Construction Safety & Health Network](#) to expand our reach and connect individuals and organizations interested in advancing safety and health.

What's next?

- Publish new findings on construction industry trends and their implications for the industry and worker safety in CPWR Quarterly Data Reports, trade publications, and peer-reviewed journals.
- Implement the Best Built Plans Social Marketing Pilot Program.
- Launch an exposure control database of construction occupational hazards—such as respirable silica and welding fumes—for use by industry stakeholders.
- Broadly disseminate the new Construction Noise & Hearing Loss Prevention Training Program.



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."

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: Outreach for the national Campaign to Prevent Falls in Construction

PREVENTING FALLS FROM EQUIPMENT

During 2011-2016, 74 workers died falling from equipment

WHEN CLIMBING ON/OFF EQUIPMENT

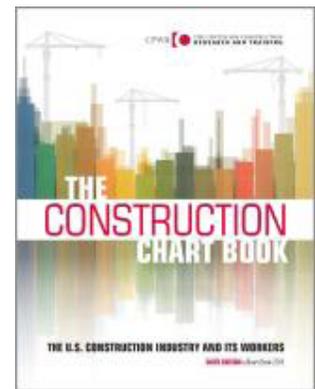
<ul style="list-style-type: none"> ✓ Set the parking brake to prevent the equipment from moving ✓ Use hand and step holds – keep one foot and two hands, or both feet and one hand, in contact with equipment at all times ✓ Wear shoes that provide support and traction 		<ul style="list-style-type: none"> ✓ Avoid carrying materials and tools when climbing on or off ✓ Keep step and hand holds clear of mud, snow, grease and other fluids ✓ Do not jump off
--	---	---

PLAN PROVIDE TRAIN
(Three simple steps to preventing falls)



Source: "Fatal occupational injuries due to fall to been level increased by workers in the construction industry (public and private), 2011-2016," U.S. Department of Labor, Bureau of Labor Statistics, Census of Fatal Occupational Injuries, accessed February 2018.

The sixth edition of [The Construction Chart Book](#)



Lift Coach: [Plan Your Route](#) mobile game



To learn more, visit
<http://www.cpw.com/>

<https://doi.org/10.26616/NIOSH PUB 2019105>
DHHS (NIOSH) Publication No. 2019-105