CPWR
THE CENTER FOR CONSTRUCTION RESEARCH AND TRAINING

Construction Safety

Safe+Sound Week
June 12–18, 2017

Safe workplaces are **Sound** businesses

Resources to **find** and **fix** construction hazards

Frequent OSHA Citations Construction

- ❑ Lack of Fall Protection
  - Activities 6 feet or more above lower levels
  - Unprotected sides and edges
  - Work on low-slope roofs
  - Scaffolds more than 10 feet above a lower level
  - Ladder side rails do not extend at least 3 feet above the upper landing surface
- ❑ Lack of Personal Protective Equipment
  - Eye, face, head
- ❑ General Safety and Health
  - Lack of frequent or regular inspections of job sites, materials, and equipment by a competent person

Source: OSHA Information System (OIS), 2011-2017, NAICS code 23.

Frequent Sources of Injury Construction

- ❑ Struck by object
- ❑ Falls, slips, trips
  - Fall to lower level
  - Fall to same level
- ❑ Overexertion/bodily reaction
  - Lifting or lowering
- ❑ Transportation
  - Roadway incidents – motorized vehicles
- ❑ Exposure to harmful substances or environments

Source: U.S. Bureau of Labor Statistics, 2011-2015, NAICS 23.

Resources for Controlling Hazards

CPWR – The Center for Construction Research and Training – is a non-profit dedicated to reducing injuries, illnesses, and fatalities in the construction industry through research, training, and service programs conducted in partnership with industry stakeholders, health and safety professionals, academic researchers, and key government agencies.

General Resources

- CPWR website (www.cpwr.com)
- Electronic Library of Construction Occupational Safety & Health (http://www.elcosh.org/index.php)
- Practical control measures to reduce or eliminate construction hazards (www.cpwrconstructionsolutions.org) and return on investment calculator (www.safecalc.org)
- An online tool to help a contractor understand and improve their company's safety climate (www.safetyclimateassessment.org)

Resources for Specific Hazards

- **Silica:** Information on silica hazards and controls, including a free tool to create a silica exposure control plan (www.silica-safe.org)
- **Falls:** The Campaign to Prevent Falls in Construction offers training materials, reports, success stories, and more (www.stopconstructionfalls.com)
- **Hand Injuries:** Information on the risks and ways to prevent hand injuries (www.choosehandsafety.org)
- **Nail Guns:** Research and related materials on nail gun injuries – and work practices that reduce the risk (www.nailgunfacts.org)

Training & Other Resources

- *Foundations for Safety Leadership,* an approved OSHA 30-hour elective module (http://www.cpwr.com/foundations-safety-leadership-fsl)
- *Safety Culture & Safety Climate Worksheets and Rating Tool* (http://www.cpwr.com/safety-culture)
- *Toolbox Talks* (http://www.cpwr.com/publications/toolbox-talks)
- *Hazard Alert Cards* (http://www.cpwr.com/publications/hazard-alert-cards)
- *Infographics* (noise, falls, etc.) (http://www.cpwr.com/research/infographics)
- *The Construction Chart Book* (http://www.cpwr.com/publications/construction-chart-book)
- *Quarterly Data Reports* (http://www.cpwr.com/publications/cpwr-quarterly-data-reports-data-briefs)