

What are our priorities?

The National Institute for Occupational Safety and Health (NIOSH) Construction Program works with partners in industry, labor, trade associations, professional organizations, and academia. The program focuses on these areas:

- Preventing injuries and fatalities related to falls from roofs, ladders and scaffolds
- Reducing hearing loss among construction workers
- Reducing silicosis morbidity and mortality among construction workers
- Promoting safety culture and climate in the construction industry

What do we do?

- Raise awareness of evidence-based ways to prevent falls in the construction industry:
 - Promote the NIOSH research-based national Campaign to Prevent Falls in Construction, and the Safety Stand-Down.
 - Evaluate the success of the Campaign in collaboration with the NIOSH-funded Center for Construction Research and Training (CPWR) and the Occupational Safety and Health Administration.
 - Develop tools, educational materials, trainings, and other resources related to preventing falls and disseminate through electronic, web and social media.
- Provide information, tools, and resources through the Buy Quiet initiative to encourage manufacturers to design quieter equipment, and encourage companies to purchase or rent quieter machinery.
- Increase availability and use of silica dust controls and practices. We focus on the tasks that involve the highest and most common silica exposures, such as installing stone countertops.
- Expand the availability and use of effective interventions to maintain safe work practices 100% of the time in the construction industry.

What have we accomplished?

- Reached over one million construction workers through the national Safety Stand-Down in 2015 (compared with 770,193 in 2014). In addition, the U.S. Air Force alone reached over 1.5M military and civilian personnel internationally in 2015.
- Developed and saw the adoption of a pilot credit for Leadership in Energy & Environmental Design (LEED) building certification by the U.S. Green Building Council (USGBC). The pilot credit promotes the use of prevention through design (PtD) methods to design-out worker hazards during construction and subsequent building operations and maintenance.
- Performed research to support the Occupational Safety and Health Administration's (OSHA) new regulation on silica exposures in construction.
- Developed trade-specific noise infographics in collaboration with CPWR. They are available on the NIOSH website:
 - <http://www.cdc.gov/niosh/topics/noise/infographics.html>
- Contributed to a ground-breaking new guidance document, as a member of the Silica/Asphalt Milling Machine Partnership, "Best Practice Engineering Control Guidelines to Control Worker Exposure to Respirable Silica during Asphalt Paving Milling."
- Developed 8 practical safety climate self-assessment worksheets for employers and workers, in partnership with CPWR. The worksheets were compiled into a booklet "Strengthening Jobsite Safety Climate by Using and Improving Leading Indicators."

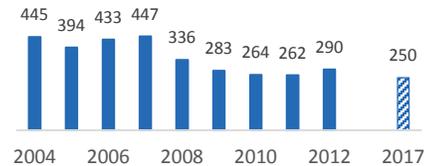
What's next?

- Develop and launch an app to support the National Falls Prevention Campaign and Safety Stand-down.
- Complete a study on a noise measurement app to determine its feasibility as a tool for construction workers.
- Disseminate the second phase of Buy Quiet, and refresh Buy Quiet Web resources in May 2016 to coincide with Better Hearing Month.
- Support the implementation of OSHA's new regulation on silica. The regulation is based, in part, on NIOSH research and will apply to construction workers.
- Publish how-to guides and worksheets for employers and workers on how to improve safety culture and safety climate.

At-A-Glance

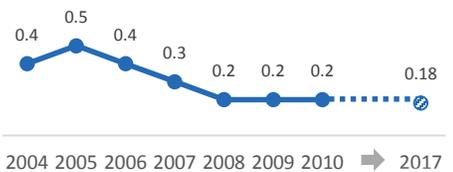
The Construction Program aims to eliminate work-related injuries, diseases, and fatalities among construction workers. This snapshot shows recent accomplishments and upcoming work.

Number of fatalities from falls in construction (All employment)



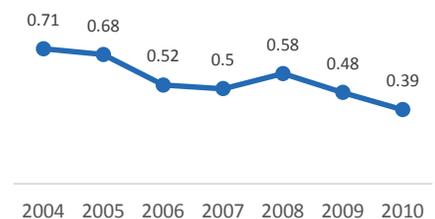
Source: CPWR. *The Construction Chart Book*, 5th ed. 2013

Rate of hearing loss in construction (Private wage-and-salary workers, per 10,000 workers)



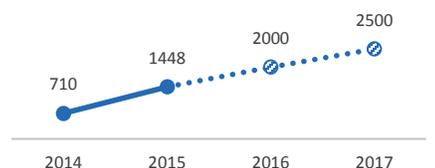
Source: CPWR. *The Construction Chart Book*, 5th ed. 2013

Age-adjusted silicosis death rate (per million U.S. residents age 15 and over)



Source: NIOSH Work-Related Lung Disease Surveillance System (eWorld)

Cumulative downloads of "Safety Culture and Climate in Construction: Bridging the Gap Between Research and Practice" since launch April



Source: NIOSH and CPWR program records

