

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
- Promoting safety culture and climate in the construction industry
- Reducing silica morbidity and mortality among construction workers

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 (OSHA).
 - 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 to advance hearing loss prevention and encourage manufacturers to design and produce 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 and advance research to practice to maintain safe work practices 100% of the time in the construction industry.
- Advancing research to practice through active partnerships with stakeholders

What have we accomplished?

- Planned for and executed the 2016 NIOSH-OSHA-CPWR National Falls Prevention Campaign and Safety Stand-down that reached an estimated 3 million workers.
- Contributed to the development of new Safety Certification program for transportation projects led by the American Road and Transportation Builders Association.
- Over 650 subscribers received continuing education unit credits for and 29 international construction projects registered for the Leadership in Energy & Environmental Design (LEED) Prevention through Design (PtD) pilot credit, which addresses ways that safety and health hazards can be addressed during all stages of building.
- Published 8 updated [safety culture/climate worksheets](#) that address safety climate and culture issues in small construction businesses with CPWR.
- Launched a noise measurement app (NIOSH Sound Level Meter) that will help thousands of construction workers improve hearing protection.
- Published an American Journal of Industrial Medicine journal commentary and [NIOSH science blog](#) on nail gun safety and the failure of the new American National Standards Institute (ANSI) standard to reflect current scientific evidence and sufficiently protect workers.
- Published a book chapter on knowledge gaps and emerging issues for fall control in construction.

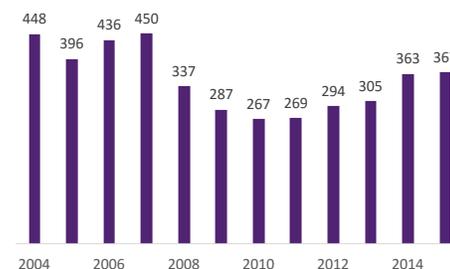
What's next?

- Lead and build upon the National Falls Prevention Campaign and Safety Stand-down. Evaluate progress and reach of effort. Lead and build upon the National Falls Prevention Campaign and Safety Stand-down. Evaluate progress and reach of effort.
- Conduct a series of 6 webinars concerning the role of insurance and workers compensation in construction.
- Work with industry to reduce struck-by incidents from use of nail guns.
- Publish paper on emerging issues in the construction industry and their relationship to construction safety and health.
- Help to complete ANSI A10 Technical report on prevention through design in construction.

At-A-Glance

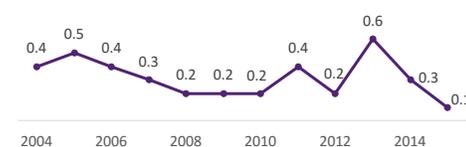
The Construction Program aims to eliminate work-related injuries, diseases, and fatalities among construction workers. This snapshot shows recent accomplishments and upcoming work.

Number of fatalities from falls in construction, 2004-2015 (All employment)



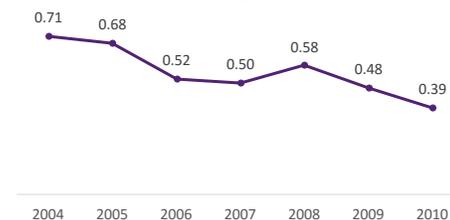
Source: U.S. Bureau of Labor Statistics, 1992-2015 Census of Fatal Occupational Injuries. Numbers are from the online CFOI database.

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



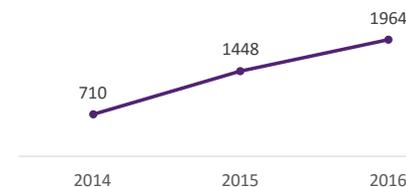
Source: CPWR. *The Construction Chart Book*, 5th ed. 2013

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"



Source: NIOSH and CPWR program records

To learn more, visit
<https://www.cdc.gov/niosh/programs/const>