OSHA Alliance Forum Construction Update

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Director, Directorate of Construction
Occupational Safety and Health Administration



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Agenda

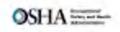
- Projects
- Focus Four Data
- Trenching
- Falls NEP
- Regulatory Activities
- ACCSH Update
- Engineering Incidents
- Mental Health and Suicide Prevention
- Outreach



Directorate of Construction Projects

- Emphasis on Health in Construction
 - Heat
 - Silica
 - Noise
 - Others
- Field Operations Manual, Construction Chapter
- Safety Helmet Pilot Program
- Infrastructure Safety and Health Webpage Updates

OSHA's Field Operations Manual (FOM)





Construction Focus Four

The breakdown of the causes of fatalities on construction sites in 2021 is as follows (numbers are a percentage of the *986 total construction-related fatalities that occurred in 2021):

- Falls to lower level: 378 (38.3%)
- Struck-by object or equip: 75 (7.6%)
- Electrocutions: **74** (7.5%)
- Caught-in/between: 29 (2.9%)



<u>Construction Focus Four Training | Occupational Safety and Health Administration (osha.gov)</u>



*BLS 2021 Data - most recent available - for the all Ownerships

Trench Collapse Fatalities

- 2017: 24 fatalities
- 2018: 13 fatalities
- 2019: 21 fatalities
- 2020: 18 fatalities
- 2021: 15 fatalities
- 2022: 39 fatalities







2023: 10 total fatalities as of 9/1/23



Recent Alliance in Excavation

6/22/2023

The two-year agreement between OSHA and the <u>Partners for Safe Trenching and Excavation Operations Alliance</u> will unite the North American Excavation Shoring Association, the Association of Equipment Manufacturers, the National Utility Contractors Association, the Associated General Contractors, the Common Ground Alliance, the International Union of Operating Engineers and the Laborers' International Union of North America to address some of the construction industry's most hazardous work.









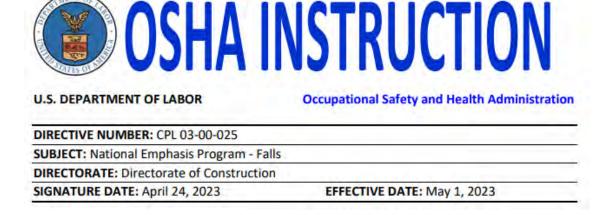






National Emphasis Program for Falls

- NEP effective May 1, 2023
- Increase in enforcement and outreach activities to reduce or eliminate injuries and fatalities associated with falls while working at heights in all industries





Construction Regulatory Activities

- PPE in Construction (PPE Fit) NPRM Issued
- Communication Towers NPRM Spring 2024
- Crane Amendments NPRM Spring 2024
- Welding in Confined Spaces NPRM Fall 2023
- Powered Industrial Trucks NPRM Published/analyzing comments
- Worker Walk Around Representation NPRM Issued
- Lead ANPRM, closing date for public comment ended 10/2022

Note: Rulemaking capacity is limited and prioritization changes, which affects timing of rulemaking activities and outcomes.





Walkaround Rule - Objectives

OSHA is proposing revisions to 29 CFR 1903.8(c) to:

- Clarify that a representative(s) authorized by the employees may be an employee of the employer or a third party.
- Clarify the relevant knowledge, skills, or experience of third parties who
 may be reasonably necessary to an effective and thorough physical
 inspection of the workplace and may accompany the CSHO.
- Provide a few examples of when third parties were helpful when authorized by the employees for this purpose

PPE in Construction

- Revising construction standards to include explicit requirement that PPE must fit workers properly
- Making construction standards consistent with general industry and maritime
- Addresses concerns of women in construction
- The public will have 60-days to submit comments – open until Sept. 18th

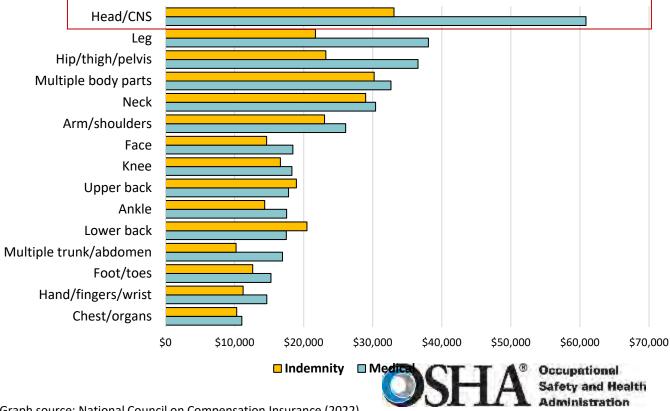




Head injuries in workers

- Per BLS in 2020, head injuries accounted for 5.8% of nonfatal occupational injuries involving days away from work.
 - 46.9% were due to contact with an object or equipment.
 - 20.5% were due to slips, trips, and falls.
- Head/central nervous system claims average \$93,942 per claim filed in 2019 and 2020.

Workers' Compensation Costs by Part of Body, 2019 - 2020



Graph source: National Council on Compensation Insurance (2022)

Safety Helmet Transition

- Traditional hard hats only protect the wearer from falling objects. Safety helmets are available that can protect the wearer's entire head.
- OSHA has determined as a "best practice", the use of advanced safety technology can better protect our staff and demonstrate OSHA's commitment to the safety of workers as a safety and health leader.









ACCSH Workgroup Charges

Workzone Safety

 Identify hazards of most significant concern in roadway workzones, identify industry best practices to prevent those hazards, and develop products that OSHA can consider for publication for employers and employees.

Emerging Technology

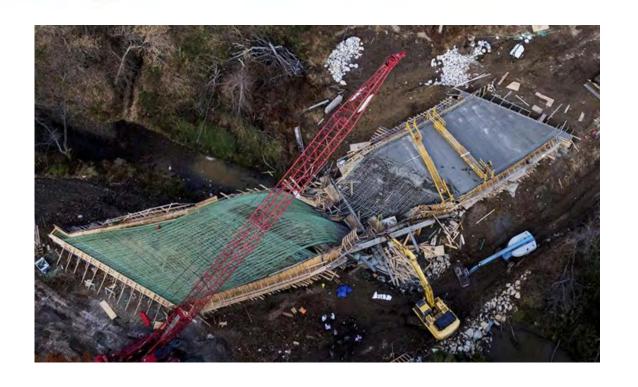
 Focus on technologies that are or will change the construction industry that are not covered by current OSHA regulations. Propose one to three topics to study in depth and provide OSHA with an actionable recommendation to address at least one of them.

Health in Construction

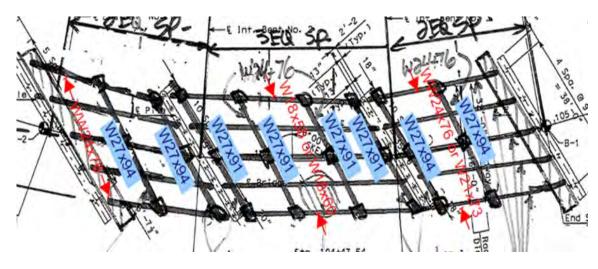
Using a data driven approach, identify the top three to five health hazards in construction from an industry perspective. Develop products that OSHA can consider for publication for employers and employees.

Engineering Case: Bridge Falsework

- Construction of a Concrete Bridge
 - Four employees on the bridge
 - Placing concrete
- Falsework suddenly failed, and the bridge span collapsed. The employees and materials fell 17 feet to the concrete floor below
- Three injured and one fatality.







Falsework framing plan



















Bridge Falsework OSHA Findings

OSHA Citation

Serious 29 CFR 1926.703(a)(l): Formwork was not designed, fabricated, erected, supported, braced-and maintained so that it would be capable of supporting without failure all vertical and lateral loads that may reasonably be anticipated to be applied to the form.



Engineer Case: Repair of Grain Chute

Repair of gravity fed chute

- The chute was connected to grain elevator leg at top and attached by bolts to grain lid at the lower end. The overall length of chute was approximately 91.5 ft
- Four employees attempted to troubleshoot and repair a clogged gravity-fed grain chute
- The suspended employees removed a 115-inch-long chute section lid to repair the damaged chute liner
- The chute structure collapsed and struck the employee who was standing on the grain silo. Employee fell approximately 96 feet to the ground resulting in his death





Repair of Chute Cont.







Repair of Chute Cont. OSHA Findings

- Chute's structural integrity was compromised by removing the top lid/plate, which contributed to the collapse of the chute structure.
- The removal a structural component from chute structure altered the structural properties of the chute and it was essential to consult a professional engineer prior to removal of top lid/plate.



Repair of Chute Cont. OSHA Findings

On or about April 6, 2022, at the job site located at 261 River Road, Scott City, MO 63780, the employer exposed employees to struck-by hazards by failing to train employees on specific procedures and safety practices applicable to clearing a grain spout, which was a change in job assignment that exposed them to new hazards.



Repair of Chute Cont. OSHA Findings

OSHA Citation

Serious 29 CFR 1910.272(e)(1)(ii): Specific procedures and safety practices applicable to their job tasks including but not limited to, cleaning procedures for grinding equipment, clearing procedures for choked legs, housekeeping procedures, hot work procedures, preventive maintenance procedures and lock-out/tag-out procedures.



Mental Health and Suicide Prevention In the Workplace

Get help now.

If you're having trouble coping with work-related stress, talk with someone who can help.

- Call 1-800-273-8255
- Para español 1-888-628-9454
- Online chat suicidepreventionlifeline.org/chat





Statistics

- •Nearly one in five US adults live with a mental illness².
- •Workplace stress has been reported to cause 120,000 deaths in the US each year³.
- •Approximately 65% of U.S. workers surveyed have characterized work as being a very significant or somewhat significant source of stress in each year from 2019-20214.
- •83% of US workers suffer from work-related stress and 54% of workers report that work stress affects their home life⁵.
- •For every \$1 spent on ordinary mental health concerns, employers see a \$4 return in productivity gains

https://www.osha.gov/workplace-stress



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Suicide Prevention 5 Things You Should Know

Suicide is a leading cause of death among workingage adults in the United States. It deeply impacts workers, families, and communities. Fortunately, like other workplace fatalities, suicides can be prevented. Below are 5 things to know about preventing suicide.



Everyone can help prevent suicide.

Mental health and suicide can be difficult to talk about—especially with work colleagues—but your actions can make a difference. When you work closely with others, you may sense when something is wrong.





Know the warning signs of suicide.

There is no single cause for suicide but there are warning signs. Changes in behavior, mood, or even what they say may signal someone is at risk. Take these signs seriously. It could save a life.





Ask "Are you okay?"

If you are concerned about a coworker, talk with them privately, and listen without judgment. Encourage them to reach out to you Employee Assistance Program (EAP), the human resources (HR) department, or a mental health professional.





LEARN MORE

If someone is in crisis, stay with them and get help.

If you believe a coworker is at immediate risk of suicide, stay with them until you can get further help. Contact emergency services or the National Suicide Prevention Lifeline.



Suicide prevention resources are available.

- Call the National Suicide Prevention Lifeline at 1-800-273-TALK (8255), or text "TALK" to 741741.
- Visit the American Foundation for Suicide Prevention (www.afsp.org) to learn more about suicide risk factors, warning signs, and what you can do to help prevent suicide.









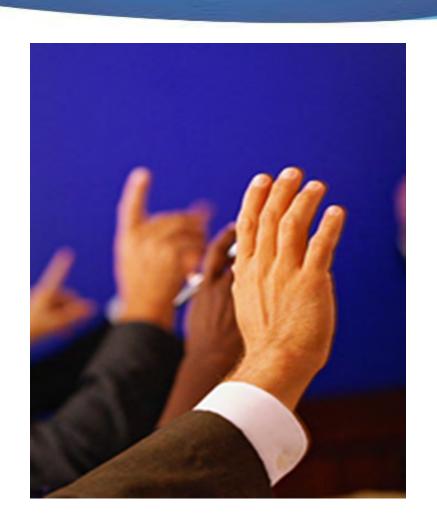
Recent Outreach Events

- National Stand-Down Events to prevent:
 - Struck-by incidents
 - Falls
- Celebration of Construction on the National Mall
- Trench Safety Stand Down
- Safe + Sound Week, Mental Health focus





Questions





www.osha.gov

DOC: 202-693-2020





NIOSH Update: Current Initiatives, New Products and Resources

John Piacentino, MD, MPH
Deputy Director for Program

OSHA's 6th Annual Alliance Program Forum Frances Perkins Building Washington, DC September 21, 2023

Acknowledgements

All NIOSH Staff

Special Thanks

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Marica Stanton

Marie Sweeney

Outline

About NIOSH

Highlights from the NIOSH Portfolio

Resources

About NIOSH

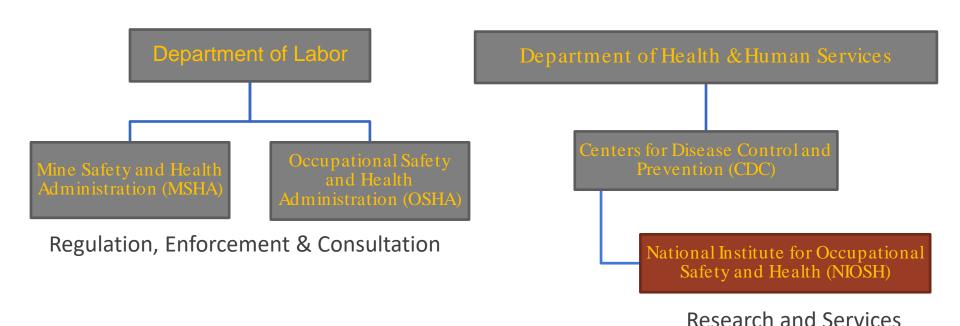
NIOSH Mandate

NIOSH has the mandate to assure "every man and woman in the Nation safe and healthful working conditions and to preserve our human resources."

Occupational Safety and Health Act of 1970



U.S. Occupational Safety and Health

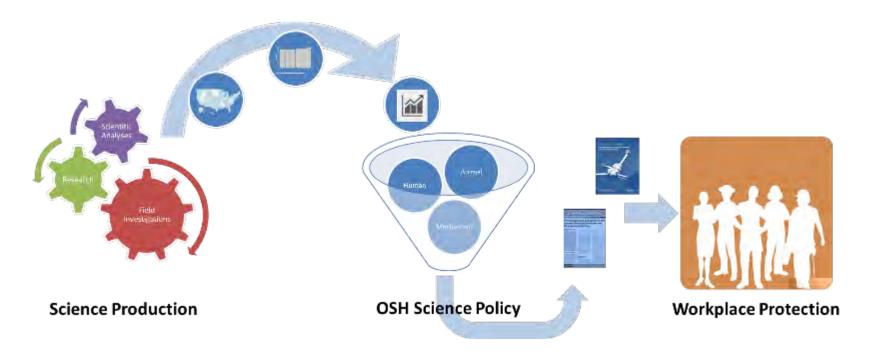


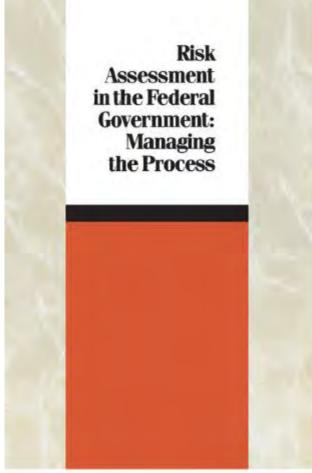
The NIOSH mission is to develop new knowledge in the field of occupational safety and health, and to transfer that knowledge into practice.



How do we achieve our mission?

Developing and disseminating information is a common tool for influencing worker protection

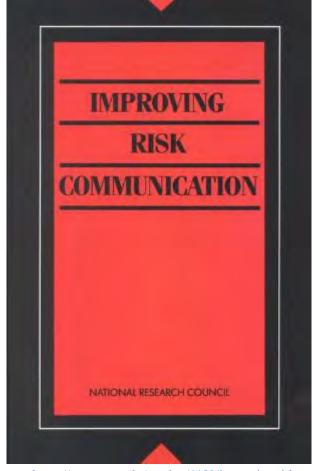




https://www.nap.edu/catalog/366/risk-assessment-in-the-federal-government-managing-the-process



https://www.nap.edu/catalog/2125/science-and-judgment-in-risk-assessment



https://www.nap.edu/catalog/1189/improving-risk-communication

What kind of activities do we perform to achieve our mission?

What kind of activities does NIOSH perform to accomplish its mission?



NIOSH work is inherently collaborative

Government, Industry, Labor, Professional Societies, Academia, International Partners and Others

Why?

- Broad mission
- Large, diverse and geographically dispersed workforce
- Changing economic conditions
- Evolving technology and science
- Inherent challenge of moving science into practice























U.S. Department of Labor











How do we organize our portfolio?

National Occupational Research Agenda

Sectors

- Agriculture, Forestry and Fishing
- Construction
- Healthcare and Social Assistance
- Manufacturing
- Mining
- Oil and Gas Extraction
- Public Safety
- Services
- Wholesale and Retail Trade
- Transportation, Warehousing, and Utilities

Cross - Sectors

- Cancer, Reproductive and Cardiovascular
- Hearing Loss Prevention
- Immune, Infectious & Dermal
- Musculoskeletal Health
- Respiratory Health
- Traumatic Injury Prevention
- Healthy Work Design and Wellbeing

Core and Specialty Programs

- Authoritative Recommendations
- Emergency Preparedness & Response
- Engineering Controls
- Exposure Assessment
- Health Hazard Evaluations
- Nanotechnology

- Occupational Health Equity
- Personal Protective technology
- Prevention through Design
- Safe Skilled Ready Workforce
- Small Business Assistance
- Surveillance
- Translation Research

NIOSH Centers

- Center for Direct Reading and Sensor Technologies
- Center for Maritime Safety and
 National Center for Productive Health Studies
- Center for Motor Vehicle Safety
- Center for Nanotechnology Research

- Center for Occupational Robotics Research
- Aging and Work
- Center for Work and Fatigue Research
- Center for Workers' **Compensation Studies**

Portfolio Highlights

Surveillance



Promoting productive workplaces through safety and health research

CDC > NIOSH

Search Worker Health Charts

Enter a keyword or phrase to search Worker Health Charis.

Ext Blond, Lord, MSD, Masoutoskeretal Disurilo.

Overview

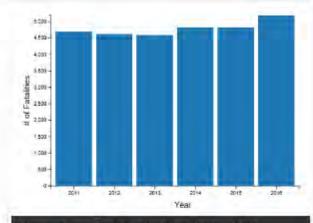
Using worker health information gathered by NIOSH and the Bureau of Labor Statistics, here you can create your owncharts to assess current rates, distribution, and trends in workplace injuries, illnesses and deaths. Click here to learn more about data sources.

Worker Health Charts (WHC) make data exploration easier and more efficient.

WHC is unique because it allows quick analysis of work-related safety and health data that may be difficult to find or are not charted elsewhere. Start by searching a keyword above, or click below on the topic or data source you are interested in.

Want to do more?

Learn about some of the features in Worker Health Charts, and how the system can help you. If you have questions about using WHC, the data sets, or the charts you produce, check out our Frequently Asked Questions or contact us at WHC.nioshr@cdc.gov.



Occupational Fatalities by Year, 2011 - 2016

https://wwwn.cdc.gov/Niosh-whc/

Work-related Injury Statistics and Resource Data Systems (WISARDS)

NIOSH WISARDS

WISARDS — Applications



Employed Labor Force (ELF)

Interactive tool for calculating employed labor force counts and FTE from the Bureau of Labor Statistics "Current Population Survey."



Occupational Injury & Illness Classification System (OIICS)

Interactive display & search tool for BLS OIICS coding system for nature of injury, body part, event & source of injury.



Fire Fighter Fatality Map (FFFMap)

Interactive tool for exploration of fire fighter fatalities with map, statistics, case listings, NIOSH investigation status, and access to fatality investigation reports.



Work-Related Injury Statistics Query System (Work-RISQS)

Interactive tool for exploration of nonfatal occupational injuries treated in emergency departments.

Other Workplace Data & Statistics



NIOSH Worker Health Charts

Interactive tool for creating charts to assess rates, distribution, and trends in workplace injuries, illnesses and deaths.



NIOSH Data & Statistics Resources

Access to NIOSH surveillance information, data, tools, publications and products fatality investigation reports.

Page last reviewed: December 9, 2021

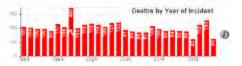
Content source: National Institute for Occupational Safety and Health (NIOSH) Division of Safety Research

https://wwwn.cdc.gov/wisards/

Fire Fighter Fatality Map

NIC/SH > WISARDS FEETER FEEMac

NIOSH's Fire Fighter Fatality Investigation & Prevention Program conducts investigations of select work-related fire fighter deaths. In an interactive map format, this site identifies fire fighter deaths that have "pending" or "completed" investigations. Completed



Investigations have links to final reports. Fatality data from the U.S. Fire Administration (USFA) are shown in the interactive map for the investigated deaths as well as all other fire lighter deaths. The data can also be formatted in tabular data views.



Firefighter Communication and Safety

Print

Retent <u>MIOST Fire Reptire Passificures significant and Propertion Program (PEREP)</u> reports have shown that communication failures are a key contributing (sold) to fireflighted deaths. Fectors related to a less of training, equipment issues, and ineffective procedures have contributed to these death.

Communication failures are predictable and preventable. Fire departments and municipalities should make sure firefighters and dispatchers complete and have origining training to use their radios effectively.

Understanding Communication Failures

It is important that everyone using a radio is familiar with frequent communication failures, tholers and ig how communication failures occur, can lead to developing and implementing effective presentative measures. Tire "ghter communication failures generally fall into five main categories. They include:

. Personnel:

- Alack of professional development needed to develop the necessary KSA.
 - Education provides Knowledge,
 - Training develops Skill, and
 - Experience leads to Ability
- Examples include not developing the necessary KSAs on how to properly operate the radio equipment and
 effectively communicate on the freedownd.

2. Equipment:

- If the wrong equipment for the job, or a poor design which leads to failures or ineffective operations.
- Examples include radio component latures from next exposure, the volume knob rotating freely tausing the
 volume to drop too low to hear, or the channel snob rotating freely placing the radio on the wrong channe.

3. Policy & Procedure:

- A lack of or an inellective policy or procedure.
- Examples include no formal written requirements for realining and competency confirmation, a lack of effective oderational procedures, or a lack of clear guidance on inspection and maintenance.

4. Environment:

- The extreme conditions beyond what the equipment can handle.
- Examples include high temperatures that can meltigear low temperatures that can decrease battery capacity
 and too much water exposure that can result in electronic malfunctions.

Leadership & Management;

- The lature to address an issue in one of the other four categories.
- Examples include not taking preactive measures to identify communication problems, not addressing a well-known and documented problem, and not setting an example for everyone to follow.









What is NIOCCS?

- NIOSH developed the NIOSH Industry and Occupation Computerized Coding System (NIOCCS), a web-based software platform, used to translate industry and occupation (I&O) narratives into standardized I&O codes
- NIOCCS is free and makes coding I&O data easy, fast, and consistent – it has been used to code hundreds of millions of records to date
- Modernizes public health surveillance systems to enable rapid assessment of how people's jobs impact their health and safety

How does NIOCCS work?





INPUTS

Occupation Free Text

Industry Free Text



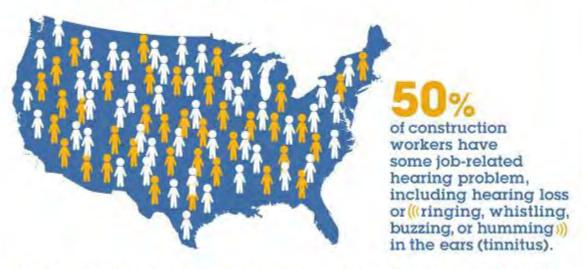
OUTPUTS

Occupation Standardized Codes

Industry Standardized Codes

Hearing Loss

Did you know that hearing loss is one of the most common work-related illnesses in the United States?



You can do something to prevent hearing loss. Buy Quiet!





http://www.edc.gov/niosh/topics/buyquiet



Noise and Occupational Hearing Loss

Español (Spanish) Print

Exposure to loud noise or certain chemicals while at work can damage your hearing. Occupational hearing loss is one of the most common work-related illnesses and is permanent.

All Industries

have hearing risks.

22 million

US workers are exposed to hazardous noise levels at work each year.

30 million

US workers are exposed to chemicals, some of which are harmful to the ear (ototoxic) and hazardous to hearing.

85 decibels

A-weighted (dBA), averaged over an eight-hour period, is the NIOSH Recommended Exposure Limit (REL).

https://www.cdc.gov/niosh/topics/noise/default.html

OSHA NIOSH Collaboration





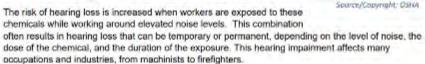
Preventing Hearing Loss Caused by Chemical (Ototoxicity) and Noise Exposure

Safety and Health Information Bulletin

5HB 00-06-2016 DHH8 (NIOSH) Publication No. 2018-12

Introduction

Millions of workers are exposed to noise in the workplace every day and when uncontrolled, noise exposure may cause permanent hearing loss. Research demonstrates exposure to certain chemicals, called ototoxicants, may cause hearing loss or balance problems, regardless of noise exposure. Substances including certain pesticides, solvents, and pharmaceuticals that contain ototoxicants can negatively affect how the ear functions, causing hearing loss, and/or affect balance.





CDC- NIOSH - NORA Hearing Loss Prevention Sector Council

Contact the <u>Co-Chairs</u> or <u>NORA</u> <u>Coordinator</u> to volunteer.

https://www.cdc.gov/niosh/docs/2018-124/pdfs/2018-124.pdf?id=10.26616/NIOSHPUB2018124

NIOSH Sound Level Meter App

The NIOSH Sound Level Meter app can measure workplace noise to determine if workers may experience hazardous noise exposure. The free app combines the best features of professional sound levels meters and noise dosimeters into one simple tool. The app was created to empower people to test noise levels in their workplace, make informed decisions about noise exposure, and prevent occupational hearing loss.





Download the free app today.

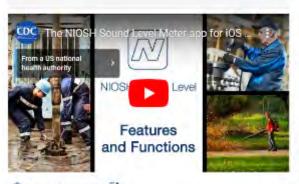
Download the user manual

Download the user

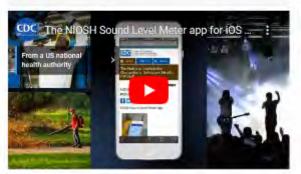


Read about the SLM App on the NIOSH Science Blog

Features and Functions



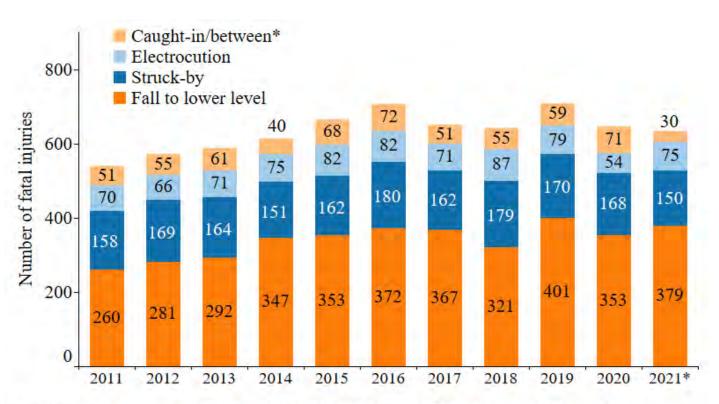
Short Summary

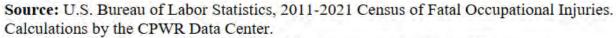


Low Resolution Video [4]

Construction

Construction Focus 4 Hazards





^{*}Missing OIICS 64 (caught in/compressed by equipment/objects) in 2021 impacting caught-in/between and total values.



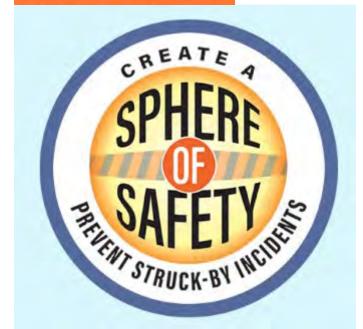
NORA Construction Leadership of two National Safety Stand Downs





http://stopconstructionfalls.com/

STOP. TALK. ACT.



April 17-21, 2023

https://www.cpwr.com/struck-byhazards

March 29, 2023

Preventing Falls through Improved Design

Moderator: Chris Traham Cain, CIII, Escutive Director, CPWR Panellsts:

- G. Scott Farnest, PhD, PE, CSP, Associate Director for Construction, Office of Construction Safety and Health, WOSh.
- Bill Wright, Communication's Director, CPWR.
- Both Moser, PF, CSP, Manager of Health & Safety by Design, hazalas.
- Ralph Bierschwale, Architecturel Design Manager and Architecture SME. Jocobs
- . I) Lyons, CSP, Safety Director, Gilbone.
- Jose Herrera, Safety & Occupational Health Specialist, Directorate of Construction, OSHA















Today's weblinar is being recorded and will be posted along with silbes at <u>covince investinars</u>. For technical difficulties, send a Weber charto Jessica Bunting or email <u>idunting@covincers.</u>

If you cannot hear through your computer speakers, call in using your phone instead at: 415-655-0009, Appeas Code 2550-162-8779 #





4th Annual National Stand-Down to Preventers://www.cpwr.com/struck-by-

Struck-by Incidents

hazards



https://cpwr.com/struck-by-hazards

- Toolbox Talks on work zone safety, dropped objects, crane and lift safety, heavy equipment, etc.
- · Infographics/Jobsite Signage
- Webinars & Videos
- · Research & Data
- PPT slides
- NEW Pilot Planning Program to Prevent Struck-by Incidents







Panelists:

- Jay W Hocutt CSP, SGE, CWD, Construction Heavy Equipment Program Manager, United Cleanup of Oak Ridge (UCOR)
- Reese Fortin, District HSE Manager, Sundt Construction
- Richard Wittlinger, Safety Director, JD Eckman
- · Steve Spaulding, VP & National Director of Environment, Health and Safety, Turner Construction Company

Dump Truck & Quick Coupler Fact Sheets



Preventing Dump Truck-related Injuries and Deaths During Construction Guidance for Employers

Injuries from dump trucks led to the deaths of 809 construction and extraction workers from 2011 to 2020. Those operating dump trucks or working nearby are at risk of multiple hazards including struck-by, tip-over from loss of vehicle control, crushing, electrical, and falls.

Prepare and Plan for Safety

- Develop a written safety program that addresses the safety hazards to drivers and those who work on the ground near dump trucks (ground workers).
- Inspect the work area for potential hazards before each shift and during the shift to address changing conditions. This should be done by one or more competent persons.
- Provide staging areas to minimize backing up distances.



A damp truck up-over that covered while operating on a soft surface.

- Create internal traffic control plans for areas involving dump truck travel.
 Focus on eliminating or decreasing the need for ground workers near moving vehicles and providing physical barriers where necessary.
- Anticipate ground conditions through pre-planning and provide a stable surface for all dumping operations.
- Prepare and deploy signs and markers to show workers where to walk in high-traffic areas.
- Follow applicable Occupational Safety and Health Administration (OSHA) regulations and elements of consensus standards concerning work zone safety for roadway construction and high-visibility safety appearel.

Consider Using New Technologies

Consider installing cameras, electronic signaling devices, or sensors to reduce hazards. These can include:

 Audible, visual, and/or sensor-based (e.g., radar) devices to warn drivers of workers on foot in the immediate work area.

Preventing Struck-by Fatalities and Injuries Related to Excavator Quick Coupler Attachments

Summary: Excavator quick coupling devices (quick couplers) can save time on construction job sites by allowing for the rapid change of buckets and other attachments on the end of excavator dipper arms. Improper attachment of the quick coupler, or quick coupler mechanical failure can cause the attachment (which often weighs thousands of pounds) to fall suddenly, potentially causing injury or death to workers. The National Institute for Occupational Safety and Health (NIOSN) recommends that quick coupler failures and subsequent injuries be prevented through proper planning, equipment maintenance, safe work practices, and appropriate training.

Reminder: DO NOT allow construction workers to work within an excavator boom swing radius or directly beneath an elevated excavator bucket or attachment.



Developing Fact Sheet on Quici

Excevetor involved in Case Study #1.

Overview

Struck by incidents are a leading cause of injury and death among construction workers. Hydraulic excavators and similar conjument are used in construction to move large quantities of earth and for other construction related tasks.

NIOSH Science Blog



- Drill Rig Overturns (July 2023)
- Stand-down to Prevent Falls (May 2023)
- Struck-by injuries in Construction (April 2023)
- PPE fit in Construction (March 2023)
- Psychosocial Hazards in Construction (Feb 2023)
- Construction Helmets and TBI (Nov 2022; Spanish June 2023)
- Heat Stress in Construction (May 2021; Spanish July 2023)
- Future of Construction: Challenges and Opportunities (Feb 2021)

PREVENTION THROUGH DESIGN (PtD)



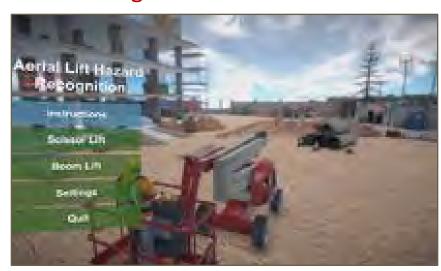
Series of workshops funded by NIOSH in collaboration with Arizona State University from 2020 – 2024.

- 4th Workshop was held September 21, 2023 at Liberty Mutual HQ, Boston, MA
- Goals
 - To drive the implementation of PtD at large industry organizations
 - To advance knowledge in PtD
 - To promote the instruction of PtD in construction management and construction engineering programs at US universities



Interactive Tools

NIOSH Aerial Lift Hazard Recognition Simulator



Falls in the Workplace: Aerial Lifts | NIOSH | CDC

Mast Climbing Work Platform Daily Inspection Walkthrough Tool

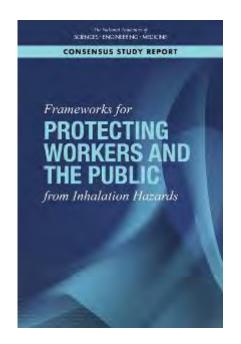


Falls in the Workplace: Mast Climbing Work Platforms | NIOSH | CDC

Respiratory Protection

Framework for protecting workers and the public

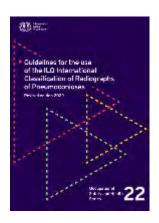
- Current regulatory system is focused primarily on ensuring access to respiratory protection in occupational settings characterized by well-defined hazards and employer-employee relationships
- Provides a framework to ensure effective respiratory protection for a wide range of users



ILO Digital Transition

ILO Classification of Radiographs

- Technical Quality
- Parenchymal Abnormalities
- Pleural Abnormalities
- Other Symbols
- Comments







Health Hazard Evaluation Program



Congressionally mandated program (42CFR85) within NIOSH that:

- Responds to requests to evaluate hazards (chemical, physical, biological, psychosocial) in the workplace
- Provides a written report with findings and recommendations
- Is provided at no cost



Learn more or request an HHEattps://www.cdc.gov/niosh/hhe/request.html

Blastomycosis

- Blastomyces fungus lives in the environment
 - In moist soil & decomposing organic matter
 - Commonly found in mid-western, south-central, and southeastern states
- Infection caused by breathing spores in air
 - Anyone can get blastomycosis
- Symptoms
 - Up to 50% cases may be asymptomatic
 - Symptoms often like other respiratory illness
 - usually appear 3 weeks to 3 months after exposure



















Blastomycosis

- Activities that disturb dust, soil, or vegetation
 - Excavation
 - Moving plant debris
 - Outdoor recreation (fishing, camping)
- 240 cases reported to CDC in 2019 (most from MN, WI)
 - Current outbreak has 121 cases



Blastomycosis diagnosis & treatment

- Can only be diagnosed by healthcare provider
 - Medical and travel history
 - Symptoms
 - Physical exam
 - Clinical and laboratory tests

Treated with antifungal medications





Facility description

- Mill located in the northern MI
- Began making paper in 1911
- Approximately 2,000 acres
- Produce graphic paper
 - (~700,000 tons/year)
- Employ ~880 plus 20-40 contractors
- Production runs 24-hours a day



NIOSH response & timeline

2/28/23

Local health department notified by providers

15 cases

3/17/23

Management submitted HHE request

35 cases

4/7/23

NIOSH first interim letter to company











3/6/23

Local health department notified local healthcare facilities 3/28-29/23

Initial NIOSH site visit

81 cases

NIOSH initial site visit – Interim letter

- April 7, 2023 interim letter summarizing initial site visit and impressions
 - Continue to make N95 disposable filtering-facepiece respirators available
 - Inspect ventilation systems/ductwork
 - Inspect the ductwork for evidence of water incursion and microbial growth
 - Limit activities beyond your regular mill operations within and outside the mill that involve disrupting soil, such as excavation
 - Continue to encourage employees that have or develop signs and symptoms to follow up with their healthcare providers
- Proposed full medical survey
 - Blastomyces urine antigen test
 - Administer a work and health questionnaire

Second interim letter

- Interim letter 2 sent June 7, 2023
- Recommendations included
 - Clean coils and install filters in makeup air units
 - Use of highest MERV rated filters in recirculating air handling units
 - Follow consultant recommendations for remediation in areas with history of water damage
 - Use of fit-tested N95 respirators
 - Use of PPE including eye protection, disposable coveralls/booties/hoods, and gloves when disturbing soil/organic material, dust, or changing HVAC filters or when in areas where these activities are occurring

Occupational Health Equity Program

Promotes research, outreach, and prevention activities that reduce health inequalities for workers who are at higher risk for occupational injury and illness as a result of social and economic structures historically linked to discrimination or exclusion

Highlights

Prevalence of workplace discrimination and mistreatment in a national sample of older U.S. workers



Total Worker Health™

Worker Wellbeing Assessment

- Published the NIOSH Worker Well-Being Questionnaire assessment
- A 68-item survey tool that takes 12-15 minutes to complete
- Available for free, developed in partnership with RAND Corporation

Opioids and Substance Use Disorder

- Resources posted on <u>Opioids in the Workplace | NIOSH | CDC</u>
- Video: "Addressing Opioid Overdose Deaths in the Workplace"

Findings from the Recovery Friendly Workplace Landscape Analysis Include:

 The top three challenges to establishing and maintaining a Recovery Friendly Workplace (RFW) were employer buy-in, funding, and stigma.

 About two thirds of states do not have an established RFW program.

 Resources for outreach, training of employers, unions, and communities are lacking.

 Most RFW programs do not engage in job placement activity or provide recovery support for job placements.

 Only 17% of respondents addressed prevention of workplace injuries as part of their services.



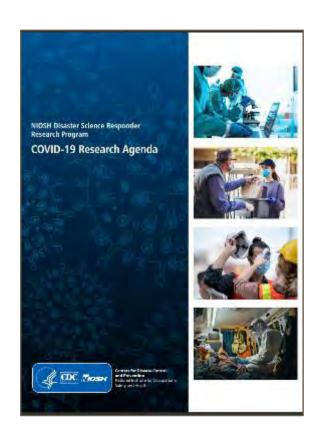




Emergency Response

Emergency Preparedness and Response Program

- Prepares for, responds to, and supports research on chemical, biologic, radiologic and natural disasters
- Integrates and evaluates occupational safety and health topics to protect response and recovery workers
- Coordinates NIOSH participation in CDC response with a worker focus
 - COVID-19, Monkeypox



Ventilation in Buildings, updated May 2023

- Added Key Strategies, a simplified summary of the most important recommendations on this page.
- Added discussion on "How much ventilation is enough?" with a recommendation to get at least 5 air changes per hour of clean air in occupied spaces.
- Updated the minimum filter recommendation to Minimum Efficiency Reporting Value (MERV)
 13.
- Updated the guidance on post-occupancy flushing of building air.
- Included more information on up-front, maintenance, and energy cost considerations for ventilation strategies.
- Added a Frequently Asked Question on "Do-It-Yourself (DIY) Air Cleaners."
- Updated all Frequently Asked Questions to include a concise answer, followed by more detail.
- Updated the discussion on Whole-Room Ultraviolet Germicidal Irradiation (also called Far UV)
 in <u>Frequently Asked Question #7</u>.

https://www.cdc.gov/coronavirus/2019-ncov/community/ventilation.html

National Firefighter Registry (NFR) for Cancer

- Only national database that monitors cancer in U.S. firefighters and will make it possible to investigate the link between firefighting and cancer.
- All firefighters paid or volunteer, active or retired, with or without cancer, and no matter their length of service – can join the National Firefighter Registry.
- Participation is voluntary.
- NIOSH will use the registry to understand and reduce cancer risk in the fire service.



STAND TOGETHER

Join your brothers and sisters in a new effort to understand and reduce cancer. Together, we can have a lasting impact on the fire service.



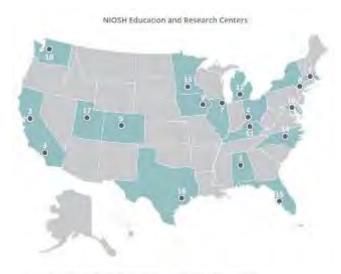
JOIN THE NATIONAL FIREFIGHTER REGISTRY FOR CANCER

NFR.CDC.GOV



Workforce Development

Education and Research Centers and Training Program Grants



- University of Alabama at Birmingham
- 2. University of California, Berkeley
- 3. University of California, Los Angeles
- 4. University of Cincinnati
- 5, University of Colorado Denver
- 6. Harvard University
- 7. Liversity of Bloois at Chicago
- 8, Icahn Mount Sinai School of Medicine
- 9. University of lowa

- 10. Johns Hopkins University
- 11 University of Kentucky
- 12. University of Michigan
- 13. University of Minnesota
- 14. University of North Carolina at Chapit Hill
- 15. University of South Florida
- University of Texas Health and Science Center at Houseon
- 17. University of Utah
- 18. University of Washington

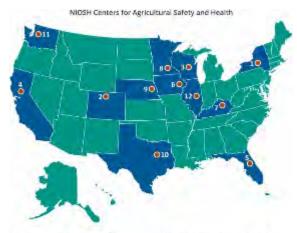


Westernst Stand

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Total Worker Health® and Agricultural Safety and Health





- 1. Northead Denter for Dorupational Highly and Safety Bassen Healthcare Networks
- Night Nams intermountain Denive for Agricultural Health and Safety (Colorado State University).
- National Children's Center for Sural and Agricultural Health and Safety Olimional Form Medicine Comed
- Western Center for Agricultural Health and Sarkey (University of California, Doyst)
- Southeastern Coasta Center for Agricultural finals; and Safety (University of Florida)
- Great Pinion Center for Agricultural Field the (University of lows)
- Southeast Center for Agricultural Health and Injury Bressens on Our Newton of Rentockst

- B. Upber Widwest Agriculturar Safety and Health Center (Onversity of Minnesota)
- Central States Center for Agricultural Safety, and Health
 (this years by all Naturaska Mechael Center)
- Southwest Senter for Agricultural Health, Injury Presention and Coucadon University of Taxon Presith Science Center at Hostonia
- Pacific Northwest Agricultural Safety and Health Carrier
 University of Washington
- 17 Great Likes Concertor Sammworker kearth and Wild-berrig (Conversity of Concert)

NIOSH Future of Work Initiative

NIOSH Future of Work Initiative

- Aims to identify new research solutions, practical approaches, and partnership opportunities to address the future of work for the nation.
- The four goals of the NIOSH Future of Work Initiative are to:
 - compile studies on the future of work;
 - feature current and relevant research projects;
 - promote research among new industries, technologies, organizational design, job arrangements, risk profiles, and ways to control risks; and
 - connect trends in workplace, work, and workforce changes to prepare for the future of occupational safety and health.



https://www.cdc.gov/niosh/topics/future-of-work/default.html

NIOSH Future of Work Priorities

Issues that Impact Workplace, Work, and Workforce

Emergency and Disaster Preparedness and Response + Exposures and Hazards • Extreme Weather Conditions + Globalization • Industry 4.0 • OSH 4.0 • Policies • Politics • Resources • Social Disruption

	WORKPLACE
ORGANIZATIONAL DESIGN	Autonomy • Burnout and Stress Prevention • Healthy Leadership • Job Flexibility • Leave Systems • Scheduling • Social and Corporate Responsibility • Workplace Built Environment • Workspace • Work-Life Fit
TECHNOLOGICAL JOB DISPLACEMENT	Automation + Digitalization + Job Quantity and Quality • Occupational Polarization • Productivity Enhancement and Quality Improvement through Automated Manufacturing • Stable, New, and Redundant Work
WORK ARRANGEMENTS	Alternative • App-Based • Contingent • Contractual • Direct Hire • Distributed • Free-Lancer • Job Sharing • Non-Standard • On Call • On Demand • Part-Time • Platform • Precarious • Seasonal • Single vs. Multi-Employers • Temporary
	WORK
ARTIFICIAL INTELLIGENCE	Deep Learning • Machine Learning • Neural Networks
ROBOTICS	Autonomous, Collaborative, Industrial, Managerial, Service, and Social Robots - Autonomous Vehicles - Human-Machine Interaction - Unmanned Aerial Systems - Wearable Exoskeletons and Exosuits
TECHNOLOGIES	Additive and Smart Manufacturing, and 3D Printing • Advanced, Cloud, and Quantum Computing • Bio-Manufacturing • Bio-Technology • Clear and Green Technologies • Digitalization • Information and Communication Technologies • Internet-of-Things • Nanotechnology and Advanced Materials • Sensors • Sensor Surveillance • Smart Personal Protective Equipment
	WORKFORCE
DEMOGRAPHICS	Diversity and Inclusivity • Multi-Generational • Productive Aging • Vulnerable
ECONOMIC SECURITY	Adequate Wages • Equitable and Commensurate Compensation and Benefits • Minimum Guaranteed Hours
SKILLS	Continual Education, Learning, and Training • Re-Skilling and Up-Skilling

Tamers et al. (2020)

Strategic Foresight Initiative

NIOSH Strategic Foresight Initiative

- Established January 2021
- Located in the NIOSH Office of Research Integration
- Purpose: To lead strategic foresight activities and build foresight awareness and capacity at NIOSH and throughout the OSH community

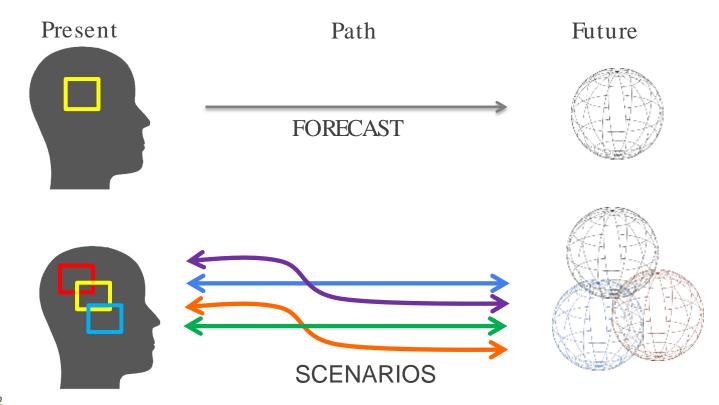


Strategic Foresight: Advancing OSH Preparedness for Change

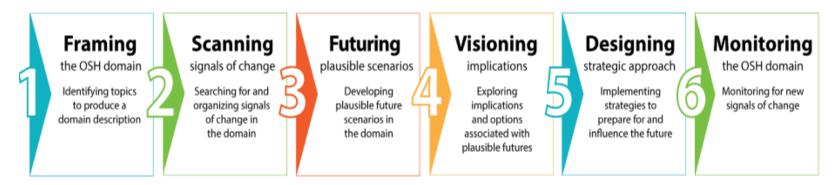
- Futures-oriented way of thinking and planning
- Recognizes the future is *not* predetermined or predictable
- Key questions for building a preferred future
 - What may be coming?
 - How might it affect us?
 - What can we start doing about it today?



Scenarios explore alternative futures



Foresight Framework for OSH



- Stepwise sequence of activities searches for signals of change and crafts plausible future scenarios and considers the strategic implications and options
- Each phase of activity reviewed by subject matter experts from for fidelity to foresight methods and plausibility of outputs

Key Drivers of Change in the Future of OSH

- Advanced Technology
- Climate and Energy
- Data Security
- Knowledge Generation
- Social Credit
- Nonstandard Work Arrangements
- Virtual Work
- Workforce



Continuation: Boundaries Continue to Blur



Boundaries related to work locations, employment arrangements, work hours, the interface between work life and personal life, and the human-machine interaction continue to blur.



Collapse: The Perfect Storm



New Equilibrium: Remote Controlled



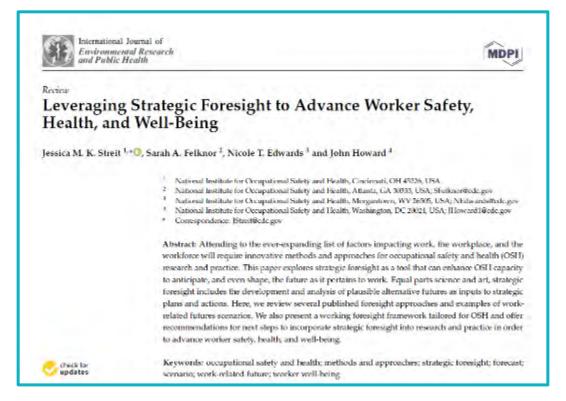
Demands for new research on worker-centric arrangements, remote work, and human-machine collaborations strongly influence the allocation of OSH resources.



In this advanced tech world, mental health and data protections become central elements of an expanded OSH paradigm, research is driven by population need, and industries achieve one world health to sustain global workforce well-being.

Transformation: One World Health

Foundational Strategic Foresight for OSH Paper



Additional Resources

NIOSH Apps



PPE Tracker



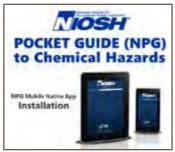
Heat Safety (OSHA/NIOSH)



Ladder Safety



NIOSH Lifting Equation Calculator



Mobile Pocket Guide



Sound Level Meter

KEEPING APPRISED OF NIOSH RESEARCH

- National Institute for Occupational Safety & Health | NIOSH | CDC
- NIOSH eNews | NIOSH | CDC
- NIOSH National Institute for Occupational Safety and Health | Facebook
- NIOSH (@nioshusa) Instagram photos and videos
- 38 Workplace Safety and Health ideas | workplace safety and health, workplace safety, workplace (pinterest.com)
- NIOSH (@NIOSH) / Twitter
- Workplace Safety and Health YouTube

Summary

- ✓ About NIOSH
- ✓ Portfolio Highlights
- ✓ Resources

For more information, contact CDC 1-800-CDC-INFO (232-4636) TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.



DCSP Alliance Program Forum September 2023

Directorate of Enforcement Programs

Jeffrey J. Wanko, PE, CSP Acting Deputy Director



Commitment to Alliance Program

Major Products in FY23

Heat Stress Focus

Enforcement Data

DEP's Alliance Involvement

- GCCA
- ASA
- HazComm
- Maritime
- ACC

- TFI/ARA
- ITA
- STEPS
- SCHC

DEP considers our alliance participation fundamental to our work. Without the collaborative efforts of industry, OSHA's enforcement program weakens.



FY 23 Major Enforcement Products

- Heat Stress/Exposure
- Warehouse NEP
- Severe Violator Enforcement Program
- Combustible Dust NEP
- Instance-by-Instance Policy
- Site-Specific Targeting



NEW Heat Resources

New Resources:

- Extreme Heat <u>Fact Sheet</u> (July 2023)
- Temporary Worker Initiative <u>Bulletin Heat</u> (2022)
- Updated Heat Job Aid (September 2023)
- AGC Q&As and ET&D Q&As on OSHA's Heat NEP (2023)
- Regional Heat Coordinator calls and CSHO CHILL calls



Heat NEP: Inspection Procedures

- On heat priority days when the heat index is expected to be 80 degrees Fahrenheit or higher:
 - During <u>any programmed or unprogrammed inspections</u>, CSHOs should inquire about heat-related hazard prevention programs
 - Provide compliance assistance, but if heat hazards found open or refer
- On any day that the National Weather Service (NWS) has announced a heat advisory or warning, for the local area: https://www.weather.gov/safety/heat-ww
 - Conduct <u>programmed inspections</u> at work sites in targeted industries
- Always use NEP code "HEATNEP" in OIS when entering heatrelated inspections



Heat NEP: Target Industries - Appendix A

Table 1 – Examples of non- construction industries in ListGen	Table 2 – Examples of construction industries	Table 3 – Examples of industries based on local knowledge
2017 NAICS Industry Sector Title	2017 NAICS Industry Sector Title	2017 NAICS Industry Sector Title
3118 Bakeries and Tortilla Manufacturing	2361 Residential Building Construction	1112 Vegetable and Melon Farming
3211 Sawmills and Wood Preservation	2362 Nonresidential Building Construction	4911 Postal Service
3241 Petroleum and Coal Products Manufacturing	2371 Utility System Construction	5613 Employment Services
3251 Basic Chemical Manufacturing	2372 Land Subdivision	5616 Investigation and Security
3272 Glass and Glass Product Manufacturing	2373 Highway, Street, and Bridge Construction	7225 Restaurants and Other Eating Places
3311 Iron and Steel Mills and Ferroalloy Manufacturing	2379 Other Heavy and Civil Engineering Construction	
3315 Foundries		

Heat NEP Goals

- Proactive vs. Reactive approach.
- To target industries and worksites where employees are exposed to heat-related hazards and are not provided with cool water, rest, cool shaded areas, training, and acclimatization.
- State Plan adoption is encouraged.

HAZARDALERT

Extreme Heat Can Be Deadly to Workers

Most states are experiencing an unprecedented heat wave and the U.S. is on track for the hottest summer on record.

Heat is a well-known and recognized occupational hazard for outdoor and indoor workers that can cause serious or fatal illness when they are not provided the necessary protections and training.

Each year, thousands of workers become sick from occupational heat exposure, and too many of those illnesses result in fatalities. New employees whose bodies have not had time to adjust to working in the heat are most vulnerable — nearly 3 out of 4 workers who die from heat-related causes die in their first week on the job.

Employer Responsibility

It's the law! Employers have a duty to protect workers against heat. Employers have a legal and moral responsibility not to assign work in high heat conditions without protections in place for workers, where they could be literally worked to death. This is true even in Texas, despite its recent law limiting local ordinances on heat illness protections.

- At a minimum, employers should provide adequate cool water, rest breaks, and shade or a cool rest area for employees.
- Give new or returning employees the chance to gradually acclimatize (or become used to working in hot temperatures), to be trained and plan for emergencies, and to monitor for heat signs/symptoms.
- Train employees on heat illness prevention, signs of heat illness, and how to act immediately if they or another employee appears to be suffering from a heat related illness.

Worker Right

Every worker covered under the OSH Act has the right to a safe and healthful workplace.



https://www.osha.gov/sites/default/files/publications/OSHA_HA-4279.pdf



Heat NEP Goals

- OSHA's goal is to increase heat inspections by 100% above the baseline of the average of fiscal years 2017 through 2021.
- This goal was and continues to be greatly exceeded because of all the compliance assistance during any inspection on a heat priority day.

HISTORICAL DATA BY FISCAL YEAR	FY17	FY18	FY19	FY20	FY21	5-Yr Avg (17'-21')	NEP RESULTS BY FISCAL YEAR		FY23 10/1/22- 8/28/23
TOTAL OSHA HEAT INSPESCTIONS	171	235	239	79	166	179	TOTAL OSHA HEAT NEP INSPESCTIONS	1,536	2,039



Heat NEP Citation Guidance

- General Duty Clause (Section 5(a)(1) of the OSH Act) or Hazard Alert Letter (HAL)
 - Attachment 1 of (<u>internal</u>) Summer 2023 Heat Memo- for abatement guidance
- Examples of OSHA standards that might apply:
 - Recordkeeping: 29 CFR Part 1904
 - Personal Protective Equipment: 29 CFR 1910.132 and 1926.28
 - Sanitation (drinking water): 29 CFR 1910.141, 1915.88, 1917.127, 1918.95, 1926.51, and 1928.110
 - Medical Services and First Aid: 29 CFR 1910.151 and 1926.23.
 - Safety & Health Program (frequent safety & health inspections): 29 CFR
 1926.20 and 1926.21

Warehousing and Distribution Center NEP

- NEP published on July 13, 2023.
- Currently in a 90-day outreach period until October 13, 2023.
 Once the outreach period ends, inspections under this NEP may occur.
- OTI course for CSHO's to be conducted at the beginning of October 2023.



Warehousing and Distribution Center NEP

- A comprehensive safety inspection that focuses on workplace hazards common to those industries, such as but not limited to:
 - Powered industrial trucks operations
 - Material handling/storage
 - Walking-working surfaces
 - Means of egress
 - Fire suppression
 - Life safety
 - Heat and ergonomic hazards must be screened and documented during all inspections; referrals made on a caseby-case basis.

SVEP Significant Changes

- No high-emphasis hazards
- Three-year SVEP period after hazard abatement
- Two-year SVEP period permitted if employer initiates SHMS
- Codifies SVEP removal criteria
- SVEP is never negotiated during settlement



SVEP Effective Date

- Effective September 15, 2022
- All cases opened or issued the day following the effective date are subject to the new requirements



Combustible Dust NEP

- CPL 03-00-008, Combustible Dust National Emphasis Program (March 11, 2008)
- Supplemental informative material moved to OSHA Technical Manual
- Revised targeting based on data



Instance-by-Instance (IBI) and Grouping Policy

IBI Policy Effective Date: March 27, 2023

- IBI Policy provides guidance on the use of discretionary authority when issuing instance-by-instance violations limited to:
 - <u>High Gravity Serious & Repeat Violations</u>: Lockout/Tagout, machine guarding, permit-required confined space, respiratory protection, falls, and trenching.
 - Other-Than-Serious Violation: Recordkeeping
- The Grouping Memo reiterates existing policy on grouping and allows discretion to NOT "group" violations in appropriate cases to achieve deterrent effect.
 ○CHA* Occupational Safety and Heal

Site-Specific Targeting (SST)

New SST (CPL 02-01-064); Effective Feb. 7, 2023

- New SST replaced the previous directive (SST-19), expired on December 14, 2022.
- Targets non-construction workplaces with 20+ employees.
- New SST uses data from employer injury reports CYs 2019-21
- High DART rate worksites (CY21), Non-responders (CY21), Low Dart Rate (CY21), and Upward trending DART rates (CY19-21)
- Records only inspections



Injury Tracking Application

	Total aubminaiana	Fodovol	Ctoto
	Total submissions	Federal	State
2016	215,682	139,364	76,318
2017	259,932	148,538	111,394
2018	308,054	166,809	141,245
2019	290,414	165,372	125,042
2020	334,828	195,827	139,001
2021	320,989	182,798	138,191
2022	345,415	195,474	149,941



Silica Standards



- Construction: 29 CFR 1926.1153
- General Industry/Maritime: 29 CFR 1910.1053
- Employer Resources:
 - FAQs
 - Videos, Fact Sheets, Webinar
 - Small Entity Compliance Guides (Construction and Maritime/General Industry)



Silica NEP Enforcement Activity

1,532 TOTAL INSPECTIONS (2/5/20 thru 8/29/23)

General Industry = 451

Construction = 856

Maritime = 4

Other NAICS = 212

Top Five Standards Cited During RCS-NEP Fiscal Year 2022 & 2023

- 1926.1153(c)(1) Table 1 Citation
- 1926.1153(d)(2)(i) Exposure Assessment
- 1910.134(e)(1) Medical Eval. Respirators
- 1926.1153(g)(1) Exposure Control Plan
- 1910.1200(e)(1) HAZCOM Program

FY21 NEP Goal of 2% of All Regional inspections = (487 inspections)

total conducted was <u>373</u> (77% of goal)

FY22 NEP Goal of 2% of All Regional inspections = (636 inspections)

total conducted was <u>479</u> (75% of goal)

*FY23 NEP Goal of 2% of All Regional inspections = (676 inspections)

total conducted is <u>558</u> so far (83% of goal)



Silica Enforcement Policies and Targeted Programs

Enforcement Policies and Programs:

- National Silica Compliance Directive, 2020
- National & SPs Revised National Emphasis Program, 2020
 - State Plans must adopt or have equivalent
- New York Regional Emphasis Program, Health High Hazard–Top 50, 2019
- Kansas City Regional Emphasis Program, Top 50 Health Hazard, 2021
- Denver Regional Emphasis Program, Cut Stone and Slab Handling, 2022



Enforcement Exemptions and Limitations

Appropriations Act Memo (FY2023) approved: Feb. 13, 2023

- Replacement of Appendix A for CPL 02-00-051, Enforcement Exemptions and Limitations under the Appropriations Act.
- Replaces previous memo in the directive on OSHA's webpage: https://www.osha.gov/enforcement/directives/cpl-02-00-051
- The new Appendix A contains the latest industrial classification codes of small employers in low-hazard industries exempt under the Appropriations Act.



Penalties

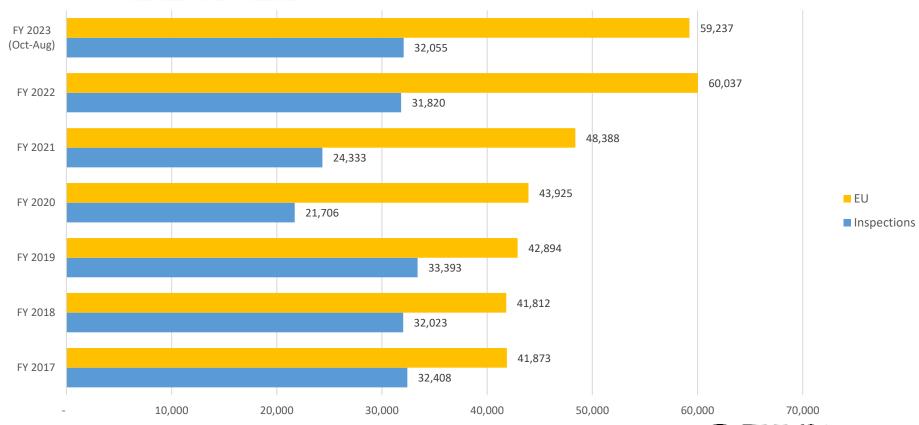
 New Penalties in effect January 17, 2023, due to Civil Penalties Inflation Adjustment Act (CPI)

Type of Violation	Penalty
Serious Other-Than-Serious Posting Requirements	\$15,625 per violation
Failure to Abate	\$115,625 per day beyond the abatement date
Willful or Repeated	\$156,259 per violation



OSHA Inspections Conducted

FY 2017 - 2023



Note: Enforcement Units are based on inspection opening conference date. However, additional EU values may be added for open inspections pending citation issuance. OWS EU values shown in FY20 –FY23 compared to EWS EU values in previous years.



Inspections In-Compliance





Alliance Forum

Stacy McGuire

Deputy Director

Directorate of Whistleblower Protection Programs

Occupational Safety and Health Administration



OSHA's Whistleblower Protection Program (WPP)

- The mission of OSHA's Whistleblower Protection Program
- Statutes that have whistleblower protection provisions enforced by OSHA's WPP
- Significant updates from FY2023



WPP's Mission

OSHA's Whistleblower Protection Program enforces protections for employees who suffer retaliation for engaging in protected activities under 25 federal laws.



Statutes We Cover

- The 25 whistleblower protection statutes cover the following:
 - Private sector workplace safety and health;
 - Environmental safety and nuclear energy workers;
 - Transportation sector workers;
 - Corporate and consumer finance workers;
 - Workers who manufacture consumer products, food, & motor vehicles;
 and
 - Workers who report certain violations of the Affordable Care Act



Whistleblower Investigations

- As with Safety and Health enforcement, the Regions conduct our whistleblower investigations.
 - -State Plan states conduct their own investigations for retaliation relating to safety and health.



New in FY23

- U & T Visa Certifications
- Rulemaking TFA and CAARA
- Whistleblower Investigations Manual (WIM) update
- Outreach



U & T Visas

 OSHA has the authority to complete U and T visa certifications based on OSHA's role as a law enforcement agency that has detected the qualifying criminal activity (U visa) or trafficking crime (T visa).

U visa	T visa
Provides temporary immigration status to victims of qualifying criminal activities.	Provides temporary immigration status to certain victims of human trafficking.



Rulemaking – Final Rule TFA

Taxpayer First Act (TFA)

- Enacted on July 1, 2019, TFA protects employees from retaliation for:
 - Reporting underpayment of taxes, potential violations of internal revenue laws, or potential violations of any provision of federal law relating to tax fraud;
 - Testifying, participating in, or otherwise assisting in any administrative or judicial action taken by the Internal Revenue Service relating to an alleged underpayment of tax, or any violation of the internal revenue laws, or any provision of Federal law relating to tax fraud.



Rulemaking – Interim Final Rule CAARA

- Criminal Antitrust Anti-Retaliation Act (CAARA)
- Enacted on December 23, 2020, CAARA established protections for reporting criminal antitrust violations or engaging in related protected activities.
- CAARA prohibits employers from retaliating against employees, for:
 - Reporting information relating to a criminal violation of the antitrust laws or
 - A violation of another criminal law committed with a potential violation of antitrust laws



Whistleblower Investigations Manual (WIM) Update

- Released in July 2022 for immediate use by WPP field staff.
- It clarifies and streamlines numerous procedures that lacked sufficient guidance or were unclear in the 2016 WIM.
- Some changes include:
 - Eliminated mail and certified mailing requirements so that investigative correspondence and findings can be sent to parties electronically.
 - Policies initiated by previously-issued memoranda and pilot programs were incorporated.
 - OSHA must now consult with RSOL on all merit ALJ-statute cases and on all deferrals.
 - Statute-specific chapters were removed and converted into statute-specific desk aids.
 - Chapter 2 now explains legal concepts & principles in one location.

FY23 Outreach

Materials

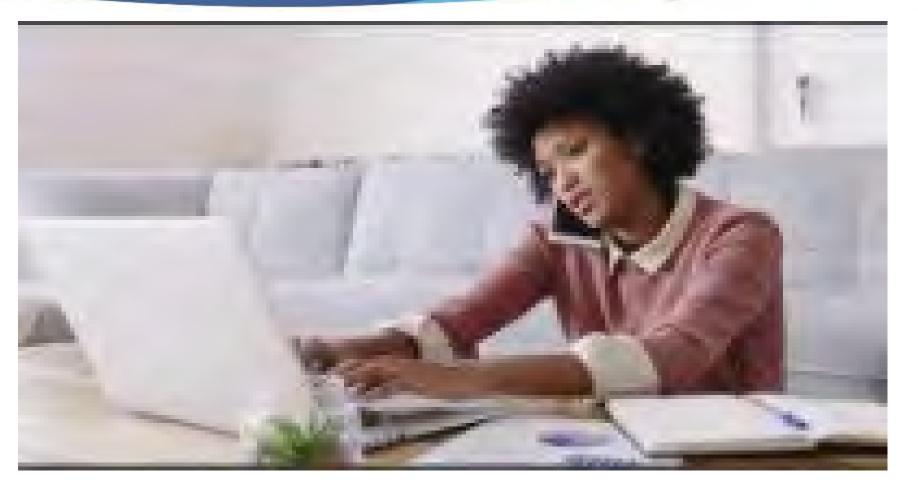
- Videos
- Whistleblower poster
- Wallet cards in new languages
- Updated Fact Sheets & Desk Aids

Events

- National Whistleblower Day
- Two Stakeholder Meetings
- Roundtable discussions with vulnerable workers



Videos



5 Things to Know About Whistleblower Retaliation



Upcoming Outreach Events

Two stakeholder meetings are planned in FY24:

- October 24, 2023
- May 15, 2024





www.osha.gov 800-321-OSHA (6742) www.whistleblowers.gov 202-693-2199





Workplace Safety and Health Program Resources

Safe workplaces are sound businesses! Workplace safety and health programs prevent workplace injuries, illnesses, and deaths, as well as the suffering and financial hardship these events cause for workers, families, and employers. Employers are responsible for providing a workplace free of hazards.

Develop an Effective Safety and Health Program

An effective program takes a proactive approach to managing workplace safety and health to reduce and fix hazards before they cause injury or illness.

Recommended Practices for Safety and Health Programs

A step-by-step approach to implementing a safety and health program built around seven core elements. The recommended practices use a proactive approach to managing workplace safety and health and includes clear actions, tools, case studies and additional resources.

WWW.OSHA.GOV/SAFETY-MANAGEMENT

Safety and Health Programs

Step-by-Step Guide

The Step-by-Step Guide supports the OSHA Recommended Practices for Safety and Health Programs and are actionable tools for employers to use in their workplaces. The worksheets will provide context for each core element, followed by an activity with action steps to help employers tailor the content and advance their safety and health program.

WWW.OSHA.GOV/SAFETY-MANAGEMENT/STEP-BY-STEP-GUIDE

Maintain a Year-Round Focus on Workplace Safety and Health

Continual improvement and re-evaluation of safety and health programs prevents workplace illnesses and injuries. Learn how to engage workers, keep operations current, and improve your safety and health program with these resources.

Safe + Sound

Safe + Sound is a year-round campaign to encourage every workplace to have a safety and health program. Find easy-to-use resources, outreach materials, and challenges for your safety and health program on Management Leadership, Worker Participation, and Find & Fix Hazards.



Subscribe to receive a monthly newsletter on being Safe and Sound at Work!

WWW.OSHA.GOV/SAFEANDSOUND

Safe + Sound Week is a nationwide event held each August that recognizes the success of workplace health and safety programs. Participate to help you start a program, energize an existing one, or provide a chance to recognize your safety commitment.

Leading Indicators

Leading indicates are proactive, preventive, and predictive measures that help you learn how the effective performance of safety and health activities. Learn how to use leading indicators to improve safety and health outcomes.

WWW.OSHA.GOV/LEADING-INDICATORS





Get Assistance

Find help for all aspects of safety and health programs. Learn how to get personalized recommendations, find industry-specific resources, and learn about compliance with these resources.

Small Business Resources

OSHA provides resources designed specifically for small businesses, including the Small Business Handbook, advice on recordkeeping and reporting, and more.

WWW.OSHA.GOV/SMALLBUSINESS

On-site Consultation Program

OSHA's on-site consultants conduct over 26,000 visits annually to small- and medium- sized businesses across all 50 states. Consultations have no cost and are confidential. Consultants can identify hazards, provide compliance advice, and help establish and improve safety and health programs. WWW.OSHA.GOV/CONSULTATION

Understand the Impact of Workplace Illnesses, Injuries, and Deaths

Safety and health programs are a proven way to prevent workplace injuries, illnesses, and deaths. They only work, though, if everyone in a business understands why improving safety and health is important.



Safety Pays Program

The Safety Pays Program raises awareness of the financial impact of occupational injuries and illnesses. Use the Safety Pays

Tool to compare your workplace safety record with industry peers and the Individual Injury Estimator to learn how much an injury could cost your business. WWW.OSHA.GOV/SAFETYPAYS

Workers Memorial

OSHA and its partners honor those who lost their lives on the job and recognize the impact these tragic losses have on their families, co-workers, and communities.

WWW.OSHA.GOV/WORKERS-MEMORIAL

Participate in Recognition Programs

Businesses with outstanding safety and health programs can recognized through OSHA for their hard work.

Voluntary Protection Programs (VPP)

VPP recognizes employers and workers with robust safety and health management programs who maintain injury and illness rates below averages for their industries. After a rigorous onsite evaluation, participants are exempt from OSHA programs inspections while they maintain their status.

Safety & Health Achievement Recognition Program (SHARP)

SHARP recognizes small businesses from OSHA's Onsite Consultation Program that operate exemplary safety and health programs. SHARP businesses are exempt from OSHA inspections for up to two

WWW.OSHA.GOV/SHARP

