

**Massachusetts Elevator Safety Association - MESA**  
**Monthly Meeting – OSHA Update 2023**  
**Norwood, MA,**  
**April 11, 2023**

# **OSHA Safety Update 2023**

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# Topics for Discussion:

- They also create mini-construction sites with Modernization. So what can be done to prep an active building for heavy equipment replacement in a way that mimics the requirements on a traditional construction site.
- Any elevator specific hazards information - trends
- Accident reporting to OSHA
- Emerging safety products or process – OSHA’s “Safe and Sound” event and info
- Jobsite safety for non-field employees. Sales, surveys, walkthroughs, etc.
- Best practices to impart safety onto their field mechanics.
- Info on warehouse safety.
- Most companies operate a fleet of vehicles including box trucks or flat beds.
- How/why/when should you get OSHA Training cards (10 and 30 hour)

# OSHA On-site Consultation

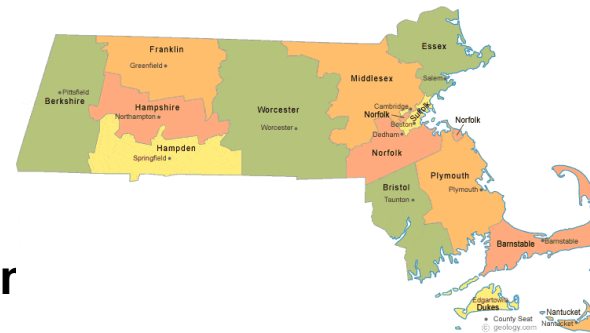
Free

**MA Department of Labor  
Standards  
OSHA Consultation Program**  
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Lawrence, MA 01843

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*Bringing business together to network and share ideas in the occupational safety and health community.*

## New England Roundtable Online Series

9:00 am to 10:15 am | log-on begins at 8:50 am

taking place online at:

<https://keene.zoom.us/j/402526797>

### February 8, 2023 - New England OSHA Consultation Program for Small Businesses

#### Presented by: Consultation Program Managers

Using a free consultation service funded by the Occupational Safety and Health Administration (OSHA), employers can find out about potential hazards at their worksites, improve their occupational safety and health management systems, and even qualify for a one-year exemption from routine OSHA inspection. Primarily targeted for smaller, high-hazard businesses, OSHA's safety and health consultation program is completely separate from the OSHA inspection effort. In addition, no citations are issued or penalties proposed. Confidentiality will be strictly maintained during the consultation process. This session will give small business in New England the opportunity to learn more about the services the regions' consultation programs provide.

### February 15, 2023 - Developing Psychological Safety @ Work

#### Presented by: Shannon Prescott, CWCA, COSS, The Richards Group

Increasingly, organizations have come to understand that one of the true keys to organizational wellness and business success is increasing the level of Employee Engagement within their organizations. We also know that people work better when their physical safety is being watched after. In this session, we will dive deeper and look at the most critical factor in employee engagement, better performing teams and increased retention rates: Psychological Safety & Wellness. Learn what diverse industries such as airlines, healthcare, nuclear

<https://keene.zoom.us/j/402526797>



# OSHA Top 10



## Most frequently cited OSHA standards during FY 22 inspections

1. Fall Protection – General Requirements
2. Hazard Communication (1910.1200)
3. Respiratory Protection (1910.134)
4. Ladders (1926.1053)
5. Scaffolding (1926.451)
6. Lockout/Tagout (1910.147)
7. Powered Industrial Trucks (1910.178)
8. Fall Protection – Training Requirements (1926.503)
9. PPE and Life Saving Equipment- Eye and Face Protection (1926.102)
10. Machine Guarding (1910.212)

[www.osha.gov/Top\\_Ten\\_Standards.html](http://www.osha.gov/Top_Ten_Standards.html)



# OSHA OIS Inspection Data

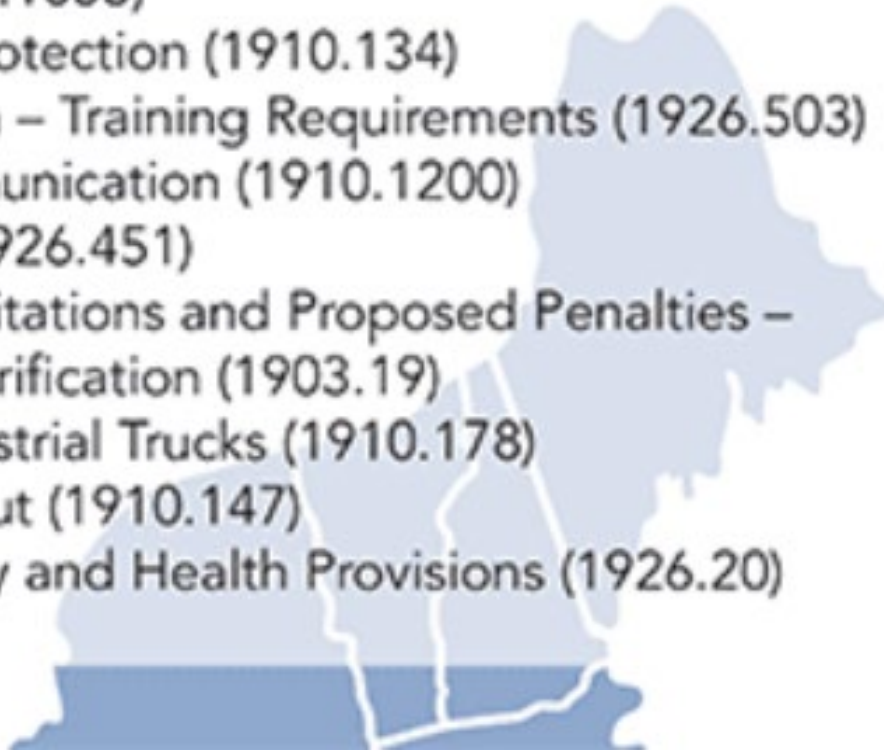
## Top 10 Violations in Construction (10/1/21 - 9/30/22)

Standard	Total Violations	Serious Violations	Willful Violations	Repeat Violations
1926.501 - Fall Protection	5,994	4,828	223	852
1926.1053 - Ladders	2,476	2,243	11	124
1926.451 - Scaffolding	2,293	2,163	11	66
1926.503 - Fall Protection Training	1,780	1,230	7	112
1926.102 - Eye & Face Protection	1,583	1,367	25	164
1925.100 - Head Protection	859	755	8	54
1926.20 - General S & H Provisions	843	686	7	69
1926.651 - Excavation Requirements	624	515	11	21
1926.453 - Aerial Lifts	681	621	4	20
1926.502 - Fall Protection Systems	529	464	0	17

# OSHA –Top 10 in New England

## OSHA REGION 1 (CT, MA, ME, NH, RI, VT)

1. Fall Protection – General Requirements (1926.501)
2. Ladders (1926.1053)
3. Respiratory Protection (1910.134)
4. Fall Protection – Training Requirements (1926.503)
5. Hazard Communication (1910.1200)
6. Scaffolding (1926.451)
7. Inspections, Citations and Proposed Penalties – Abatement Verification (1903.19)
8. Powered Industrial Trucks (1910.178)
9. Lockout/Tagout (1910.147)
10. General Safety and Health Provisions (1926.20)





# INSPECTION PRIORITIES

- Imminent Danger
- Fatalities and Catastrophes
- Complaints
  - Formal
  - Non-formal
- Referrals
- Programmed
- Follow Up



# What Are the Focus Four Hazards?

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## Construction

# 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%)

\*BLS 2021 Data for the all Ownerships\*



[Construction Focus Four Training | Occupational Safety and Health Administration \(osha.gov\)](https://www.osha.gov)



# Fall Hazards

Silver Spring, MD — A total of 145 construction workers were killed in elevator-related incidents from 2011 through 2016 – more than twice the combined total for all other industries, according to a [recent report](#) from the Center for Construction Research and Training, also known as CPWR.

Falls to a lower level were the leading cause of elevator-related construction deaths, accounting for 53.5 percent of the fatalities. Nearly half of the fatal falls – 47.9 percent – were from heights of 30 feet or more.





# Electrical Hazards

## Hazard Recognition

Many workers are unaware of the potential electrical hazards present in their work environment, which makes them more vulnerable to the danger of electrocution.

According to [29 CFR 1926.21\(b\)\(2\)](#), "The employer shall instruct each employee in the recognition and avoidance of unsafe conditions and the regulations applicable to his work environment to control or eliminate any hazards or other exposure to illness or injury."

- **Electric shock:** Electrical shock can occur during elevator installation if a mechanic is using a power tool that isn't grounded. Shock can also happen if there are loose wires or conductive materials nearby.



# Struck-By Hazards

Protect from falling tools, materials and debris



Photo: Kyryl Gorlov/iStockphoto



# Caught-In-Between Hazards

There have been fatalities and injuries recently where workers have been crushed or caught in between the elevator cabs.

At 9:30 a.m. on February 18, 2021, Employee #1 was working in the pit of an elevator shaft while Employee # 2 was working on the 6th floor. The employees were doing upgrades to the elevator. The elevator fell from the top floor and struck Employee #1. Employee #2 was also injured and both employees were hospitalized. Employee #1 died at the hospital.

**Keywords:** blocks, confined space, crushed, elevator, elevator shaft, entry permit, falling object, head, lockout, lockout/tagout, mechanic, pit, safety block, shaft, struck against, struck by, unauthorized, unguarded



# Other CPWR/NIOSH Fatality Findings

## Other findings:

- Workers installing or repairing elevators had the highest fatality rate, at 14.9 per 100,000 full-time equivalent workers. Laborers experienced the most fatalities, with 31.
- Workers in organizations with 10 or fewer employees comprised 33.8 percent of the fatalities.
- 35.2 percent of the fatally injured workers were younger than 35.
- Annual elevator-related fatality totals trended upward between 2003 (14) and 2016 (28), peaking at 37 in 2015.

<https://www.safetyandhealthmagazine.com/articles/18054-elevator-related-fatalities-in-construction-industry-increasing-cpwr>

# Preventing Focus Four Hazards



- Management Leadership
- Worker Participation
- Hazard Identification & Assessment
- Hazard Prevention & Control
- Education & Training
- Program Evaluation & Improvement
- Communication & Coordination for Employers on Multiemployer Worksites

Safety Management - A safe workplace is sound business  
| Occupational Safety and Health Administration  
([osha.gov](http://osha.gov))



# Lockout/Tagout and Confine Space general industry

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Standards and Letters of Interpretations



# Locking and Tagging Out Equipment During Maintenance



- Energy (Lockout/Tagout) ([29 CFR 1910.147](#)) for general industry, outlines specific action and procedures for addressing and controlling hazardous energy during servicing and maintenance of machines and equipment.

[1910.147 - The control of hazardous energy \(lockout/tagout\).](#) | [Occupational Safety and Health Administration \(osha.gov\)](#)

# Control of Hazardous Energy (Lockout/Tagout)



## # Some of the Standard Interpretations Lockout/Tagout

- 1 05/09/2006 - 1910.147(c)(4)(i) - Use of additional lock on a conveyor and baler system exceeds one lockout device.
- 2 04/11/2000 - 1910.147(c)(4)(i) - Energy control procedures must be developed unless eight conditions met.
- 3 01/11/1996 - 1910.147(c)(4)(i) - Permit-required confined spaces and control of hazardous energy; vehicle LOTO.

<https://www.osha.gov/control-hazardous-energy>



# Confine Space Letter of Interpretation for Elevator Pits



**[Question 1:]** Is an elevator pit considered a confined space?

**[Reply 1:]** Generally speaking, the answer is "yes." The definition of a confined space is a space which has limited or restricted means of entry or exit, is large enough for an employee to enter and perform assigned work, and is not designated for continuous occupancy by the employee.

[Elevator industry employees working in and around pits and equipment. | Occupational Safety and Health Administration \(osha.gov\)](#)

Elevator industry employees working in and around pits and equipment.  
Occupational Safety and Health Administration (osha.gov) **Continued**

**Question 2:]** What obligations do "host" employers have to [elevator] contractors who work at their facility?

**[Reply 2:]** Besides the initial determination requirement of paragraph 1910.146(c)(1), the "host" employer must comply with the five (5) requirements of paragraph 1910.146(c)(8) when engaging another employer (contractor) who will have employees in permit spaces under the control of the host employer. These requirements are:

**[Question 3:]** Can an elevator pit determined to be a permit space be reclassified as a non-permit space.

**[Reply 3:]** Yes, an elevator pit could be reclassified as a non-permit confined space through elimination of the hazard by employing the requirements of paragraph 1910.146(c)(7).

## Confine Space – A few key standards

[1910.146\(d\)\(9\)](#) Develop and implement procedures for summoning rescue and emergency services, for rescuing entrants from permit spaces, for providing necessary emergency services to rescued employees, and for preventing unauthorized personnel from attempting a rescue;

[1910.146\(d\)\(10\)](#) Develop and implement a system for the preparation, issuance, use, and cancellation of entry permits as required by this section;

### ***Training.***

[1910.146\(g\)\(1\)](#) The employer shall provide training so that all employees whose work is regulated by this section acquire the understanding, knowledge, and skills necessary for the safe performance of the duties assigned under this section.

<https://www.osha.gov/confined-spaces>

# Warehousing



<https://www.osha.gov/powerd-industrial-trucks>

<https://www.osha.gov/warehousing>

<https://www.osha.gov/warehousing/hazards-solutions>

<https://www.osha.gov/warehousing/standards-enforcement>



# Reporting Fatalities and Severe Injuries

- All employers are required to notify OSHA when an employee is **killed** on the job or suffers a work-related **hospitalization, amputation, or loss of an eye**.
- A fatality must be reported **within 8 hours**.
- An in-patient hospitalization, amputation, or eye loss must be reported **within 24 hours**.



[www.osha.gov/report.html](http://www.osha.gov/report.html)

## Outreach Training (10-Hour or 30-Hour Cards)



Outreach training courses are basic hazard awareness classes for workers delivered by OSHA-authorized trainers. They are not required by OSHA, but some localities and employers require them.

[Find a Trainer](#) | [Replace a Card](#) | [Avoid Card Fraud](#)



# OSHA Initiatives, Resources and Events



# FY23 Construction National Outreach Events

- National Stand Down to Prevent Struck By Incidents, April 17-21, 2023
- National Safety Stand-Down to Prevent Falls in Construction, May 1-5, 2023
- Trench Safety Stand Down, June 19-23, 2023
- Safe + Sound Week, August 2023
- Construction Suicide Prevention Week, September 4 -8, 2023



APRIL 17-21, 2023

NATIONAL STAND-DOWN  
TO PREVENT STRUCK-BY INCIDENTS

FOR MORE INFORMATION VISIT: [HTTP://CPWR.COM/STRUCK-BY-HAZARDS](http://CPWR.COM/STRUCK-BY-HAZARDS)



**STOP. TALK. ACT.**

**SAFE +**  
**SOUND**  
*Week* August 15-21, 2022

An icon of two construction workers. The one on the left is wearing a green safety vest and a white hard hat. The one on the right is wearing a white safety vest and a white hard hat. They are standing side-by-side.

**OSHA**<sup>®</sup> Occupational  
Safety and Health  
Administration

# Heat Illness Prevention Campaign

- Heat illness sickens thousands and results in the deaths of dozens of workers each year
- Campaign educates employers and workers on danger of working in heat, and three steps to prevention: WATER. REST. SHADE.
- Resources include OSHA-NIOSH heat safety app
- Informal launch is “No-Fry Day” – Friday before Memorial Day



**WATER. REST. SHADE.**

**OSHA Heat Illness  
Prevention Campaign**



[Spanish](#)

[English](#)

[osha.gov/heat](https://www.osha.gov/heat)

**OSHA**<sup>®</sup> Occupational  
Safety and Health  
Administration





Join the

# National Safety Stand-Down

To Prevent Falls in Construction

MAY 1-5, 2023

[National Safety Stand-Down to Prevent Falls in Construction | Occupational Safety and Health Administration \(osha.gov\)](https://www.osha.gov/stopfalls)

Falls can be prevented:

**PLAN** ahead to get the job done safely.

**PROVIDE** the right equipment.

**TRAIN** everyone to use the equipment safely.

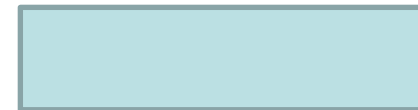
[osha.gov/stopfalls](https://www.osha.gov/stopfalls)

**SAVE THE DATE**



**SAFE WORKPLACES ARE SOUND BUSINESSES**

- Nationwide event to raise awareness of value of safety and health programs
- Organizations of any size or in any industry can participate
- OSHA provides suggested activities



[Safe + Sound Week | Occupational Safety and Health Administration \(osha.gov\)](https://www.osha.gov)

Recognize Safe + Sound Week 2023: August - [Safe + Sound Week | Occupational Safety and Health Administration \(osha.gov\)](https://www.osha.gov)



Management Leadership is a core element of a workplace safety and health program.

Accelerate your program and show your commitment in your workplace. Take 3 in 30!



Check on Safety Challenge

Finding and fixing hazards is a core element of a workplace safety and health program. This can help you move your business forward to prevent workplace injuries and illnesses.



All in on Safety Challenge

Worker Participation is a core element of a workplace safety and health program. It's important to create an environment where all workers feel included, heard, and respected.



# Suicide Prevention

Provides information about Construction Suicide Prevention Week, September 4 – 8, 2023.

[Construction Suicide Prevention Week 2023](#)

## 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](https://suicidepreventionlifeline.org/chat)



[www.osha.gov/preventing-suicides](https://www.osha.gov/preventing-suicides)



SAFE  
WORKPLACE  
GOOD  
HEADSPACE

# WORKPLACE STRESS

Make Work Better – Mental Health Matters



Understanding the Problem >

Guidance & Tips for  
Employers >

Real-World Solutions >

Outreach Materials >

**Workers' Rights** >

[Workplace Stress  
- Overview |  
Occupational  
Safety and Health  
Administration  
\(\[osha.gov\]\(https://www.osha.gov\)\)](#)

## Overview

Stress can be harmful to our health and increase mental health challenges. Mental health challenges can include clinical mental illness and substance use disorders as well as other emotions like stress, grief, feeling sad and anxious, where these feelings are temporary and not part of a diagnosable condition. While there are many things in life that induce stress, work can be one of those factors. However, workplaces can also be a key place for resources, solutions, and activities designed to improve our mental health and well-being.

Workplace stress and poor mental health can negatively affect workers through<sup>1</sup>:

- Job performance
- Productivity
- Work engagement and communication
- Physical capability and daily functioning



**Understanding the  
Problem**

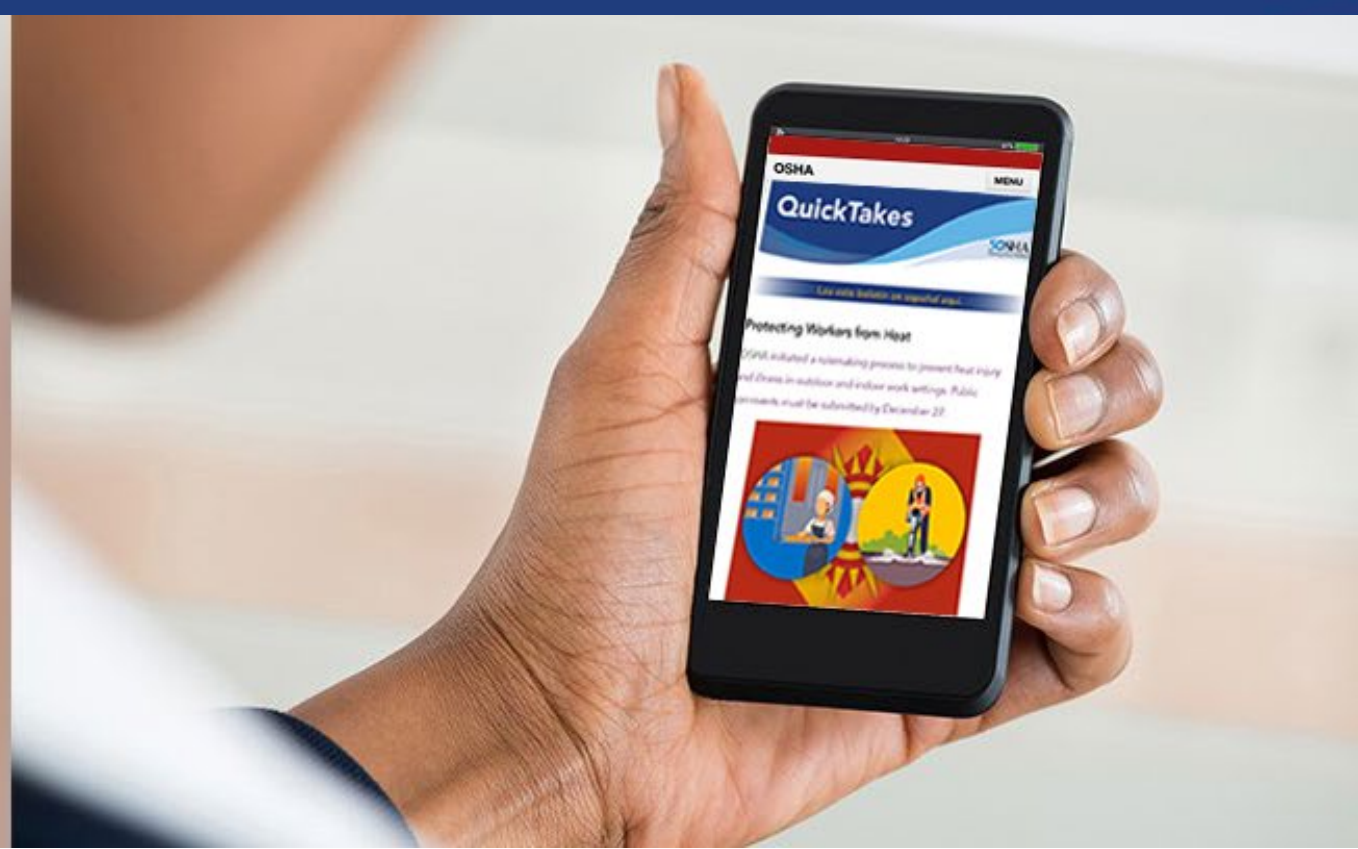


**Guidance and Tips for  
Employers**

## Statistics

- Nearly one in five US adults live with a mental illness<sup>2</sup>.
- Workplace stress has been reported to cause 120,000 deaths in the US each year<sup>3</sup>.
- 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 2019-2021<sup>4</sup>.
- 83% of US workers suffer from work-related stress  
54% of workers report that work stress affects

OSHA's online newsletter provides the latest news about enforcement actions, rulemaking, outreach activities, compliance assistance, and training and educational resources.



Join more than 330,000 subscribers who rely on QuickTakes for information about workplace safety and health. QT is free and distributed twice monthly. Starting in 2018, QuickTakes subscribers began receiving occasional "Did You Know?" messages informing them of OSHA safety resources.

[Quicktakes - Biweekly E-newsletter | Occupational Safety and Health Administration \(osha.gov\)](https://www.osha.gov/quicktakes)





[www.osha.gov](http://www.osha.gov)

800-321-OSHA (6742)