

# Directorate of Construction Update

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**Directorate of Construction  
Occupational Safety and Health Administration**

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# Disclaimer

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# Agenda

- Strategy
- Infrastructure
- Inspection Statistics
- Trenching Initiative
- Construction Regulatory Activities
- Initiatives
- DOC Projects



# Communications

- Diverse and ever-changing audience variety of languages and cultures.
- Many have an innate distrust of the federal government, which makes it difficult to engage with them.
- Agency needs to establishes trust
- Multi-media communications plan that includes modern engagement tools such as videos, graphics, and social media content.
- Quick Takes in English/Spanish

# Data

- Data are essential for achieving the agency's mission of safe and healthful workplaces.
- OSHA relies on sources outside the agency.
  - Bureau of Labor Statistics (BLS) data for annual numbers and rates of workers who are injured, made ill, or die on the job.
- OSHA relies on internal data related to program activities, including enforcement, compliance assistance.

# Data (continued)

- Data is a strategic asset for planning and direction
- Focus on improving the quality of the data collection
  - Employers are required to submit injury information electronically via the Injury Tracking Application (ITA).
  - Basis of OSHA's Site-Specific Targeting program.
  - Accuracy is vital to the Site-Specific Targeting program, as well as to improve the efficiency and effectiveness of consultation and compliance assistance.



# Partnership with Federal Agencies

- Coordinate with other Federal Agencies to promote S&H
- Work with our federal partners to promote S&H for these projects in their program jurisdiction
- OSHA Training and Education Centers – 10 and 30 hour certificates
- Create and distribute new products for infrastructure projects – S&H sample programs and quick-cards

# Infrastructure Bill

- Roads
- Bridges
- Airports
- Railways
- Ports and Waterways
- Power and Water Systems
- Broadband





# Construction Focus Four

The actual breakdown of the causes of fatalities on construction sites in 2020 is as follows (numbers are a percentage of the 1,008 total construction-related fatalities that occurred in 2020):

- Falls to lower level: 351 (34.8%)
- Struck-by object: 153 (15.2%)
- Electrocutions: 53 (5.2%)
- Caught-in/between: 28 (2.7%)

\*BLS 2020 Data for all Ownerships\*

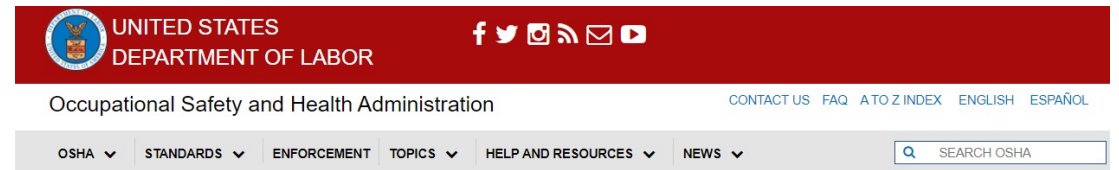


[Construction Focus Four Training | Occupational Safety and Health Administration \(osha.gov\)](#)



# OSHA Infrastructure Safety and Health Webpage

- Focus Four Hazards
  - Standards
  - Directives
  - Letters of Interpretation
- Compliance Resources
  - Safety & Health Programs
  - Training Materials
  - Alliance and Partnership Programs
- External Partners
- Various other Resources



Construction Industry / Infrastructure Safety and Health

Infrastructure Safety and Health



[Infrastructure Safety and Health | Occupational Safety and Health Administration \(osha.gov\)](#)



# OSHA OIS Inspection Data

## Overall Data (10/1/21 - 9/30/22)

Total Inspections	31,831
Total Violations Issued	39,358
Average “Serious” Penalty	\$4,634
% Serious, Willful, or Repeat	79.3%
% Other-than-Serious	20.6%

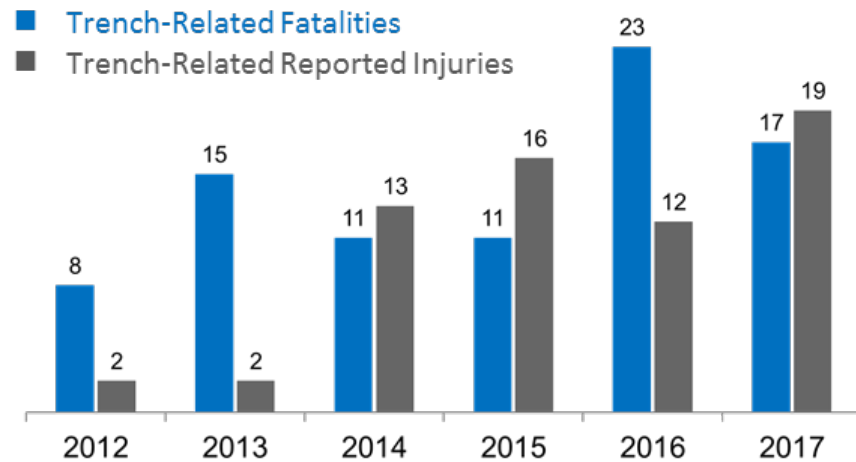
# OSHA OIS Inspection Data Cont.

## 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's Trenching Initiative

## Trenching Injuries and Fatalities



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





# Trench Collapse Fatalities 2018 - 2022

- 2018: **13** fatalities
- 2019: **21** fatalities
- 2020: **18** fatalities
- 2021: **15** fatalities
- 2022 YTD: **32** fatalities

\*Source **OIS** (Trench Collapses Only), Calendar Year

# Department of Labor

- At the State of the Union, the President described the importance of transforming how we address mental health in the U.S. and laid out a bold vision to get there.
- The Secretary is committed to using the Department's capacity in rulemaking, enforcement, grant making and bully pulpit to play its role to advance a bold reimagining of how the national handles mental health.

# Workplace Deaths Suicide/Overdose

Year	Number of Suicides	Number of Drug Overdoses
2013	282	82
2014	280	114
2015	229	165
2016	291	217
2017	275	272
2018	304	305
2019	307	313
2020	259	338

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



## Suicide Prevention

### 5 Things You Should Know

Suicide is a leading cause of death among working-age 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.

- 1 BE AWARE**  
**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.
- 2 PAY ATTENTION**  
**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.
- 3 REACH OUT**  
**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 your Employee Assistance Program (EAP), the human resources (HR) department, or a mental health professional.
- 4 TAKE ACTION**  
**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.
- 5 LEARN MORE**  
**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](https://www.afsp.org)) to learn more about suicide risk factors, warning signs, and what you can do to help prevent suicide.



# Suicide Prevention Resource

## Mental Health Promotion and Suicide Prevention in the Workplace

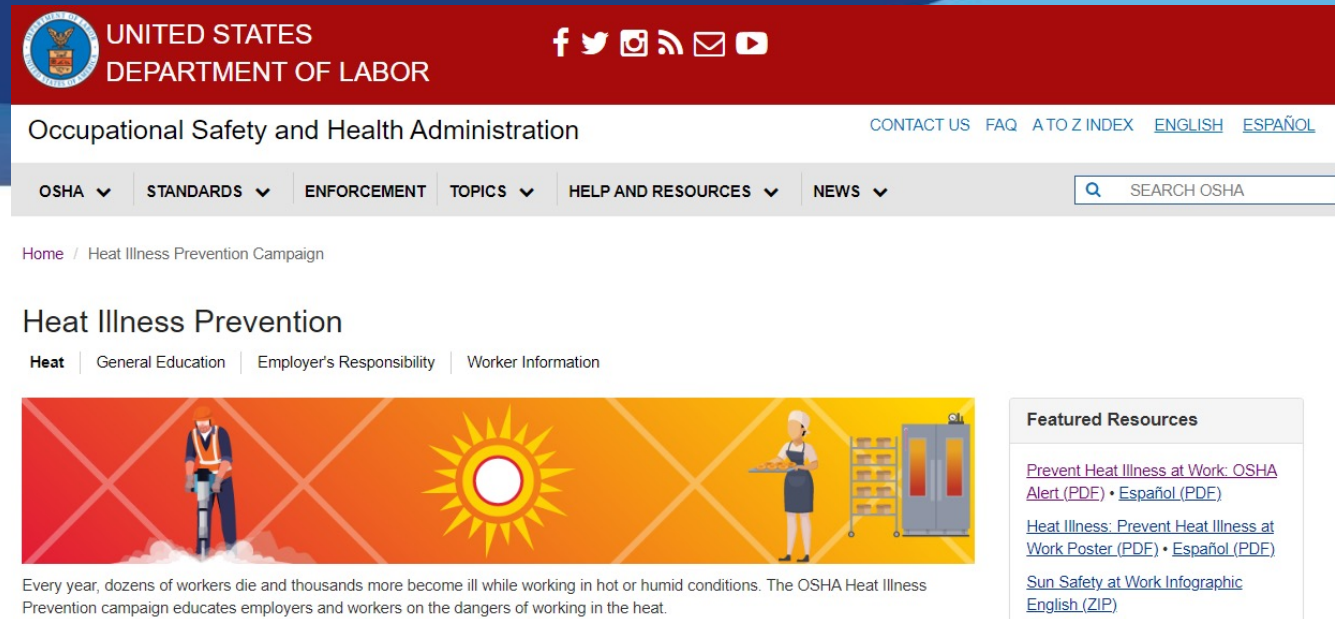
Policy and Response Recommendations to  
Help Employers Positively Impact Workers  
and the Work Environment

Workplace Suicide Prevention & Postvention Committee (2022). Mental Health Promotion and Suicide Prevention in the Workplace: Policy and Response Recommendations to Help Employers Positively Impact Workers and the Work Environment: A White Paper for HR Professionals and Employment Lawyers. United Suicide Survivors International: Denver, CO.





# Heat Illness Prevention Campaign



- OSHA Publishes Advance Notice of Proposed Rulemaking for Heat Injury and Illness Prevention in Outdoor and Indoor Work Settings. OSHA, (October 27, 2021)
- US Department of Labor announces enhanced, expanded measures to protect workers from hazards of extreme heat, indoors and out. OSHA News Release, (September 20, 2021).

# Heat Prevention Resources

- Heat Illness Prevention Campaign - General Education | Occupational Safety and Health Administration (osha.gov)
- Heat Illness Prevention Campaign - Employer's Responsibility | Occupational Safety and Health Administration (osha.gov)
- Heat Illness Prevention Campaign - Worker Information | Occupational Safety and Health Administration (osha.gov)
- Prevent Heat Illness at Work: OSHA Alert
- Heat Illness: Prevent Heat Illness at Work Poster
  - Both available in Spanish

**Consejos para Prevenir las Enfermedades Relacionadas con el Calor en el Trabajo**  
La exposición al calor al trabajar al aire libre y en espacios interiores puede ser peligrosa.

**Maneras de Protegerse a Usted y a los Demás**

**Modere Su Actividad.** Casi 3 de cada 4 muertes por el calor ocurren durante la primera semana de trabajo. Los trabajadores nuevos y los que regresan necesitan adaptarse al calor (aclimatarse) y tomar descansos frecuentes. **Siga la Regla de 20%.** El primer día, no trabaje más de 20% de la duración del turno a intensidad plena en el calor. Aumente la duración del tiempo a intensidad plena no más de 20% al día hasta que los trabajadores estén acostumbrados a trabajar en el calor.

**Bebe Agua Fria.** Beba agua fría aun si no tiene sed — al menos 1 vaso cada 20 minutos.

**Use Ropa Adecuada.** Use sombreros y ropa liviana, de color claro, holgada y respirable de ser posible.

**Tome Descansos.** Tome suficiente tiempo para recuperarse del calor dado la temperatura, humedad y condiciones.

**Esté Pendiente a Sus Compañeros.** Vigile a usted y a los demás por signos de enfermedades relacionadas con el calor.

**Busque Sombra o un Área Fresco.** Tome descansos bajo la sombra o en un sitio fresco.

**Si Usa una Cubierta Facial.** Cambie su cubierta facial si se moja o ensucia. Pregunte frecuentemente si los demás están bien.

**Primeros Auxilios en Caso de Enfermedades Relacionadas con el Calor**

¡Los siguientes son señales de una emergencia médica!

- Pensamiento o comportamiento anormal
- Dificultad para hablar
- Convulsiones
- Pérdida de conocimiento (desmayo)

1 > LLAME AL 911 DE INMEDIATO

2 > ENFRIE INMEDIATAMENTE AL TRABAJADOR CON AGUA O HIELO

3 > PERMANEZCA CON EL TRABAJADOR HASTA QUE LLEGUE LA AYUDA

Observe cuidadosamente cualquier señal de enfermedades relacionadas con el calor y actúe rápido. En caso de duda, llame al 911.

**Si el trabajador experimenta:**

- Dolor de cabeza o náuseas
- Dibuidad o mareos
- Sudor abundante o caliente, piel seca
- Alta temperatura corporal
- Sed
- Disminución del gasto urinario

**Tome estas acciones:**

- > Dar de beber agua fría
- > Quitar la ropa innecesaria
- > Mover a un área más fresca
- > Enfriar con agua, hielo o ventilador
- > No dejar al trabajador solo
- > Buscar ayuda médica de ser necesario

Para más información: 1-800-321-OSHA (6742)  
TTY 1-877-889-5627 [www.osha.gov/heat](http://www.osha.gov/heat)

OSHA Administración de Seguridad y Salud Ocupacional

La ley federal le concede al director o a su lugar de trabajo en su lugar. Usted tiene el derecho de exponer sus preocupaciones sobre peligros del trabajo o de seguridad. Usted tiene el derecho de recibir información sobre cómo presentar una denuncia confidencial ante OSHA y solicitar una inspección.

# Lead ANPRM on 6/28/22

- Blood Lead Level for Medical Removal in the Federal Register.
- Construction workers are exposed to lead during the removal, renovation, or demolition of structures painted with lead pigments.
  - Especially when abrasive blasting is used to remove lead-based paint on the steel infrastructure of bridges. This activity can generate particles of lead that pose a serious risk to the nervous system.
- OIS data shows almost half of the lead FY22 citations were in construction

# DOC Projects

- NEP for Falls in all Industries
- Field Operations Manual Update for Construction
  - Focus Four
  - Construction vs. other Industry activities
- Health in Construction
  - Focus 4 plus Health (noise, heat, dusts, silica)
- Safety Helmet Pilot Program

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OSHA's Field  
Operations Manual  
(FOM)

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# Questions?



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

**DOC: 202-693-2020**

