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RESEARCH AND TRAINING

Addressing Data Center FAQs

January 29, 2026

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Housekeeping

- Today's webinar will be recorded and automatically shared via follow-up email.
- The recording and slides will also be posted on cpwr.com/webinars.
- Attendees are automatically muted! Please submit panelist questions via the Q&A box.
- Spanish audio is available via simultaneous interpretation

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Simultaneous Interpretation
Interpretación simultánea

WINDOWS - MAC (Navegador web/*Browser*)

1. En los controles del seminario web, haga clic en **Interpretación**
2. Haga clic en el idioma que desee escuchar.
3. (Opcional) Para escuchar solo el idioma interpretado, haga clic en **Silenciar audio original**.

Nota: Hay que unirse al audio del seminario web a través de audio o VoIP de la computadora. No podrá escuchar la interpretación de idiomas si utiliza las funciones de audio de teléfono llamada directa o recibir llamada.

1. *In your webinar controls, click **Interpretation***
2. *Click the language that you would like to hear.*
3. *(Optional) To hear the interpreted language only, click **Mute Original Audio**.*

***Note**: You must join the webinar audio through your computer audio/VoIP. You cannot listen to language interpretation if you use the dial-in or call me phone audio features.*

ANDROID - iOS (Aplicación móvil/*Mobile App*)

1. En los controles del seminario web, toque los puntos suspensivos •••
2. Toque **Interpretación de idiomas.**
3. Toque el idioma que desee escuchar.
4. (Opcional) Toque el botón de alternancia **Silenciar audio original**.
5. Haga clic en **Finalizado**.

Nota: No podrá escuchar la interpretación de idiomas si utiliza las funciones de audio de teléfono llamada directa o recibir llamada.

1. *In your webinar controls, tap the ellipses* •••
2. *Tap **Language Interpretation**.*
3. *Tap the language you want to hear.*
4. *(Optional) Tap the toggle to **Mute Original Audio**.*
5. *Click **Done**.*

Note: *You cannot listen to language interpretation if you use the dial-in or call me phone audio features.*

Presentation Outline

POLL QUESTIONS

DATA CENTER PRODUCTS

KEY DATA SOURCES

METHODS

COMMON Q&A

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Poll Questions

How familiar are you with CPWR's Data Center?

a. Extremely familiar
b. Very familiar
c. Moderately familiar
d. Slightly familiar
e. Not familiar at all

Did you know we provide information on data sources and definitions in all CPWR Data Center publications?

a. Yes
b. No

Data Center Products

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Data Bulletins

CPWR THE CENTER FOR CONSTRUCTION RESEARCH AND TRAINING

Data Bulletin

WWW.CPWR.COM
DECEMBER 2025

Occupational Exposures in Construction

William Harris, MS, Amber B. Trueblood, DrPH, Derek Dufoe, MS[1]

OVERVIEW

Construction workers are exposed to a wide range of hazards, including harmful substances (lead, asbestos, silica dust), risky working positions (heights, cramped/confined spaces), and environmental conditions (noise, extreme heat, working outdoors). These exposures can lead to injuries and chronic conditions that affect construction workers throughout their lives.

This Data Bulletin examines occupational, environmental, chemical, ergonomic, and physical exposures that construction workers face, including *exposure scores* by industry, common chemical substances, and blood lead levels. Data for exposure scores comes from the O*NET OnLine Database, which collects data on work conditions and contexts for all occupations on a rolling basis and represents a baseline. Other exposure data comes from the U.S. Bureau of Labor Statistics' Occupational Requirements Survey (ORS), the U.S. Centers for Disease Control and Prevention National Health Interview Survey (NHIS), Occupational Safety and Health Administration Occupational Chemical Exposure Health Data, and National Institute for Occupational Safety and Health Adult Blood Lead Epidemiology and Surveillance (ABLES) data.

[1]CPWR-The Center for Construction Research and Training. Correspondence to: datacenter@cpwr.com.

THIS ISSUE

This issue examines common occupational exposures faced by construction workers, including hazardous equipment, working conditions, and materials by industry and year.

KEY FINDINGS

Over one in three (37.8%) construction and extraction workers reported constantly working outside in 2024. *Chart 2*

Construction workers are at greater risk of encountering harmful contaminants than non-construction workers, with an average exposure score 70% higher (73.2 versus 43.6). *Chart 6*

In 2024, 22.9% of construction workers reported exposure to hazardous chemicals for four or more hours per week compared to 6.7% of non-construction workers. *Chart 7*

From 2010 to 2023, there was a 37.0% decrease in the percentage of construction workers with elevated blood lead levels. *Chart 9*

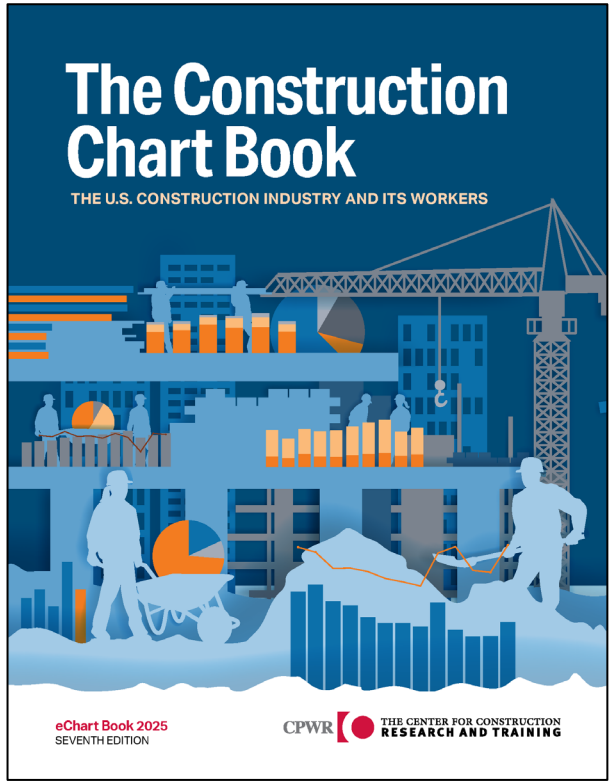
Construction workers were more likely to be exposed to high places (54.9 versus 14.0) than other workers. *Chart 10*

NEXT DATA BULLETIN

Transportation Injuries in Construction

Construction Chart Book

PDF



The Construction Chart Book

THE U.S. CONSTRUCTION INDUSTRY AND ITS WORKERS

eChart Book 2025
SEVENTH EDITION

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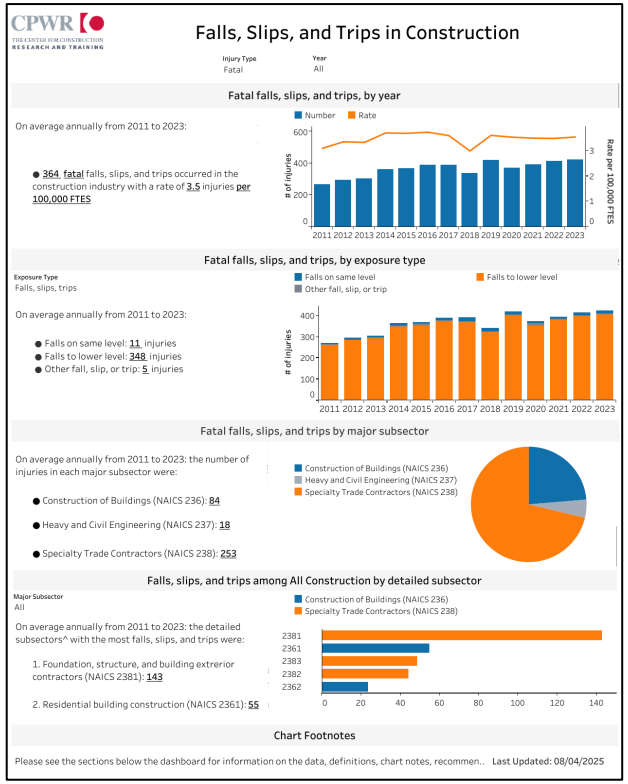
Interactive Dashboards



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Falls, Slips, and Trips in Construction

Injury Type: Fatal
Year: All

Fatal falls, slips, and trips, by year

On average annually from 2011 to 2023:

- 364 fatal falls, slips, and trips occurred in the construction industry with a rate of 3.5 injuries per 100,000 FTES

Number Rate

# of injuries

Rate per 100,000 FTES

2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023

Fatal falls, slips, and trips, by exposure type

Exposure Type: Falls, slips, trips

On average annually from 2011 to 2023:

- Falls on same level: 11 injuries
- Falls to lower level: 348 injuries
- Other fall, slip, or trip: 5 injuries

Falls on same level
Falls to lower level
Other fall, slip, or trip

# of injuries

2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023

Fatal falls, slips, and trips by major subsector

On average annually from 2011 to 2023: the number of injuries in each major subsector were:

- Construction of Buildings (NAICS 236): 84
- Heavy and Civil Engineering (NAICS 237): 18
- Specialty Trade Contractors (NAICS 238): 253

Construction of Buildings (NAICS 236)
Heavy and Civil Engineering (NAICS 237)
Specialty Trade Contractors (NAICS 238)

Falls, slips, and trips among All Construction by detailed subsector

Major Subsector: All

Construction of Buildings (NAICS 236)
Specialty Trade Contractors (NAICS 238)

On average annually from 2011 to 2023: the detailed subsectors^ with the most falls, slips, and trips were:

1. Foundation, structure, and building exterior contractors (NAICS 2381): 143
2. Residential building construction (NAICS 2361): 55

2381 2361 2383 2382 2362

0 20 40 60 80 100 120 140

Chart Footnotes

Please see the sections below the dashboard for information on the data, definitions, chart notes, recommen.. Last Updated: 08/04/2025

Key Data Sources

Main Category	Data Source
Injuries, Illnesses, and other Health Data	AHRQ, Medical Expenditure Panel Survey
	BLS, Census of Fatal and Occupational Injuries
	BLS, Survey of Occupational Illnesses and Injuries
	CDC, National Vital Statistics System, Mortality
	CDC, National Health Interview Survey
	NHTSA, Fatality Analysis Reporting System
	OSHA, Fatality Inspection Data
	OSHA, Severe Injury Reports
Workplace Exposures	OSHA, Chemical Exposure Health Data
	OSHA, Enforcement data
	Occupational Information Network
	BLS, Occupation Requirements Survey
Workforce Demographic, Business, Economic Trends	BLS, Current Employment Statistics
	BLS, Current Population Survey
	CPS Supplements (e.g., Contingent Worker)
	BLS, Employment Projections
	BLS, Occupational Employment and Wage Statistics
	U.S. Census Bureau, American Community Survey
	U.S. Census Bureau, Economic Census
	U.S. Census Bureau, County Business Patterns
	U.S. Census Bureau, Annual Business Survey
	U.S. Department of Labor, Projections Central

Why so many data sources?

- We cover a wide range of topics in our publications and there is not one data source with all of this information together.

Industry, Business, & Owner

Employment, Income, & Benefits

Injuries, Illnesses, & Other Health Outcomes

Hazards & Exposures

Other

- OSHA Enforcement
- Hours Worked (interactive only)

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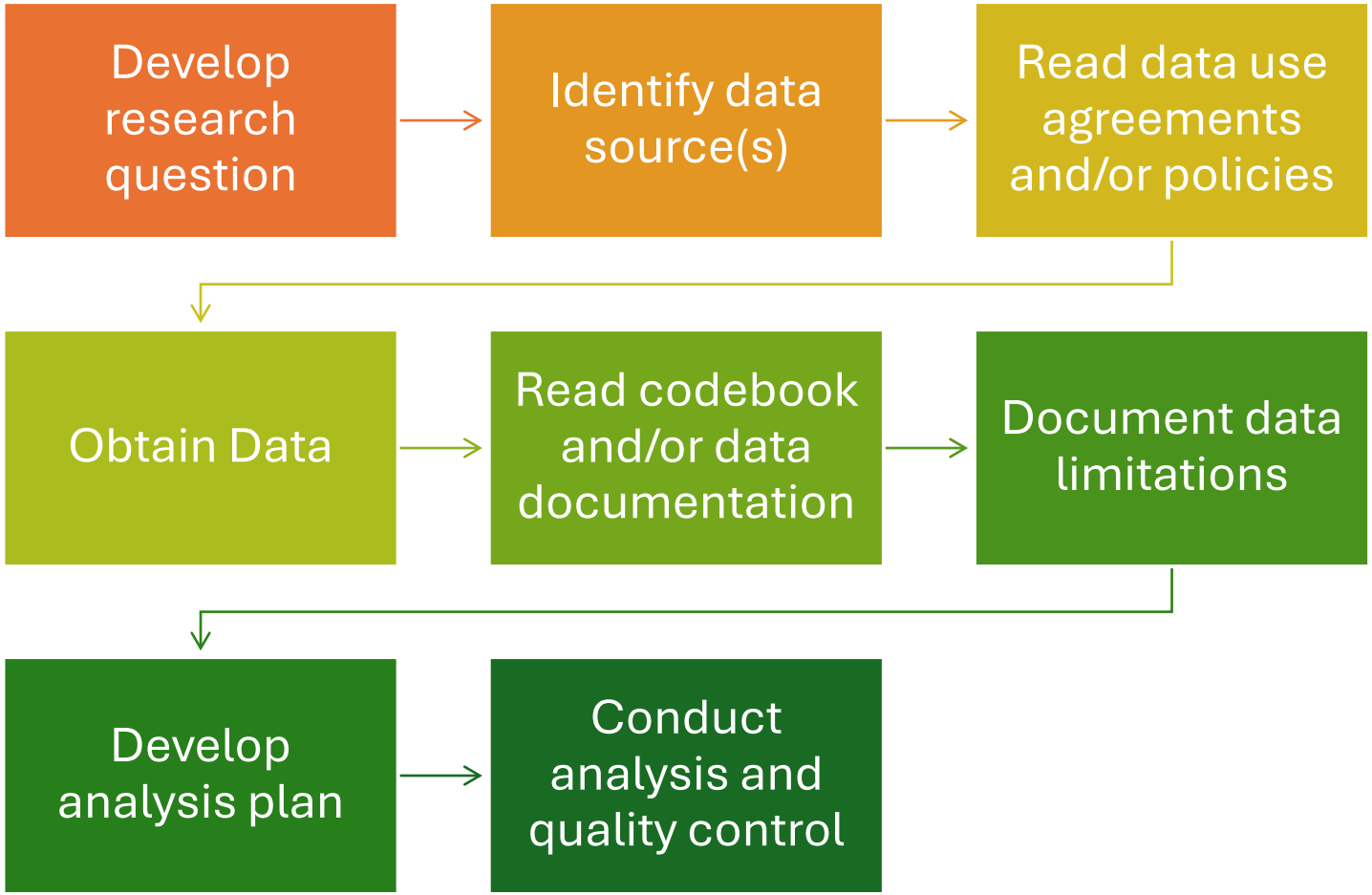
Methods



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Common Questions & Answers #1

- How do injury sources differ?
  - Representativeness
    - CFOI- All Workers.
    - SOII- Private wage-and-salary with trends for all workers available at higher levels.
    - OSHA- Representative of injuries required to be reported under state/Federal OSHA jurisdiction.
      - In Fiscal Year 2024 OSHA investigated 826 worker deaths.
      - BLS reported 5,283 fatal injuries in calendar year 2023.
  - Type of Injuries
    - CFOI- Traumatic injuries.
    - OSHA Severe Injuries- Injuries resulting in hospitalization, loss of eye, or amputation.
    - OSHA ITA- Those requiring employer completed Form 300/300A/301.
    - SOII- Nonfatal injuries resulting in job transfer, restriction, or days away from work.
  - Industry, Occupation, and At Work Definitions Vary

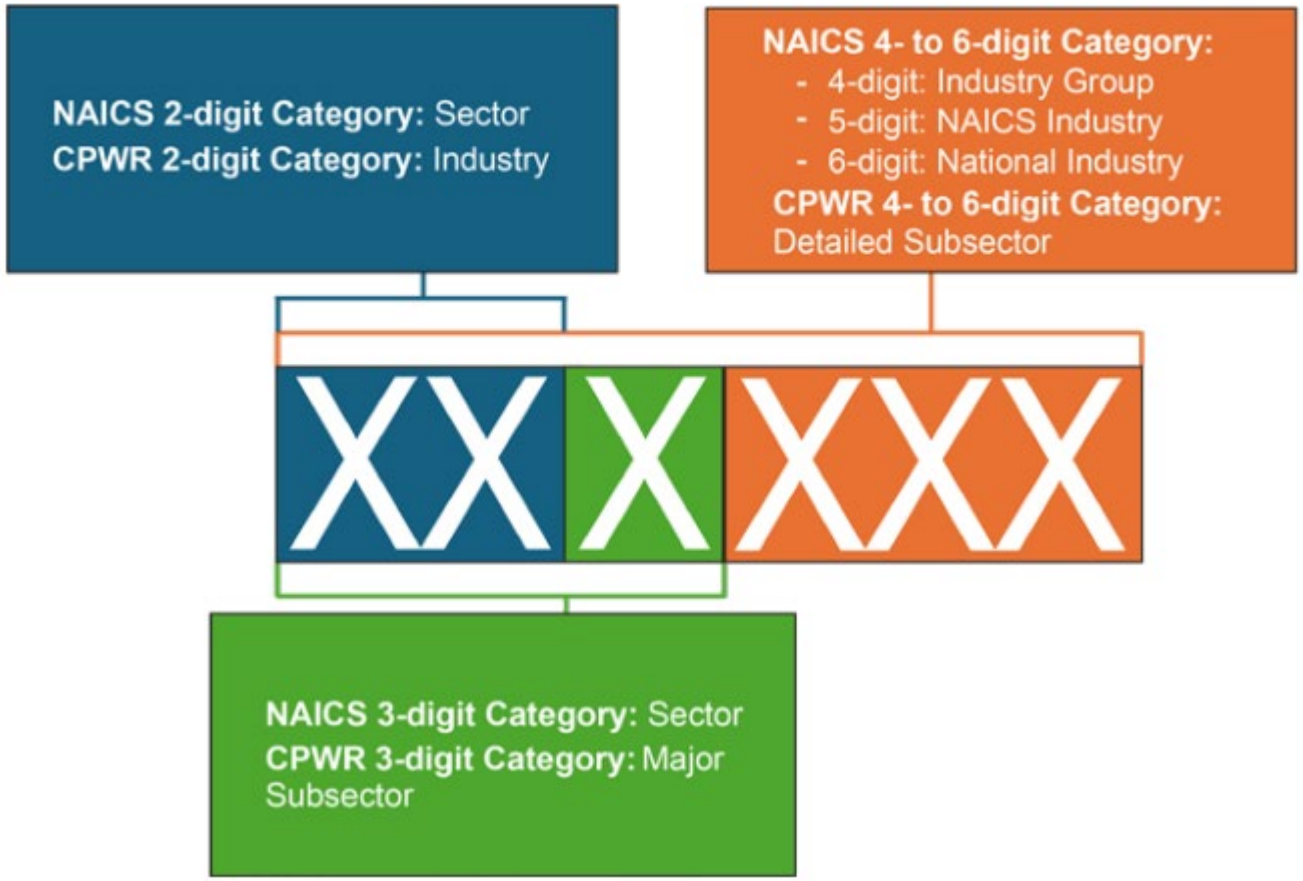
Common Questions & Answers #2

- How is at work defined for injuries and illnesses?
  - Source documents.
  - Self-reported.

Common Questions & Answers #3

- How is construction defined/identified in national data?

Figure 1. NAICS and CPWR's Naming Structure



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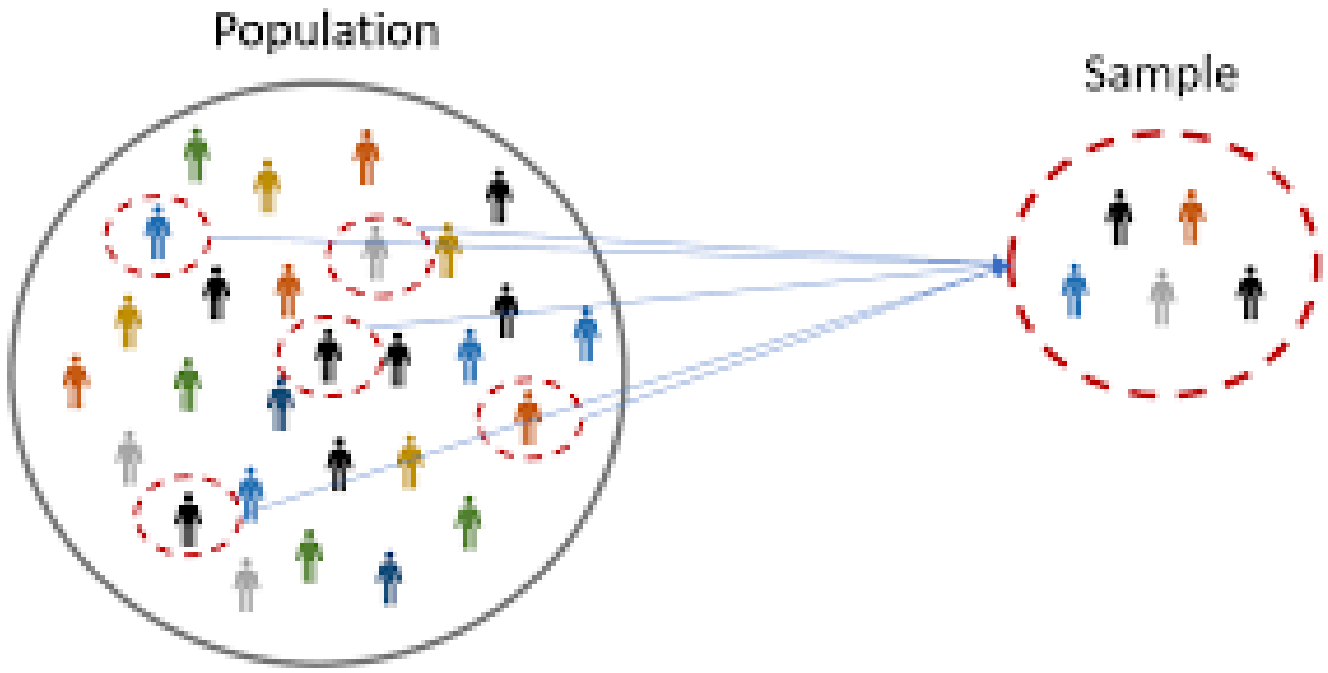
Common Questions & Answers #4

- Why do you not always report trade/occupation level data?



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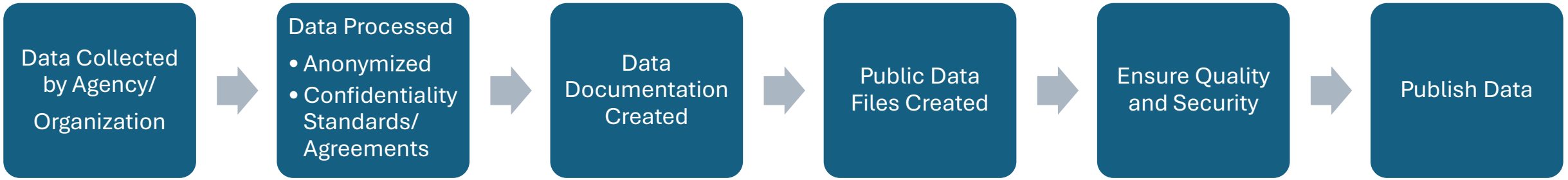
Common Questions & Answers #5

- Why is data often 1 to 3 years old?



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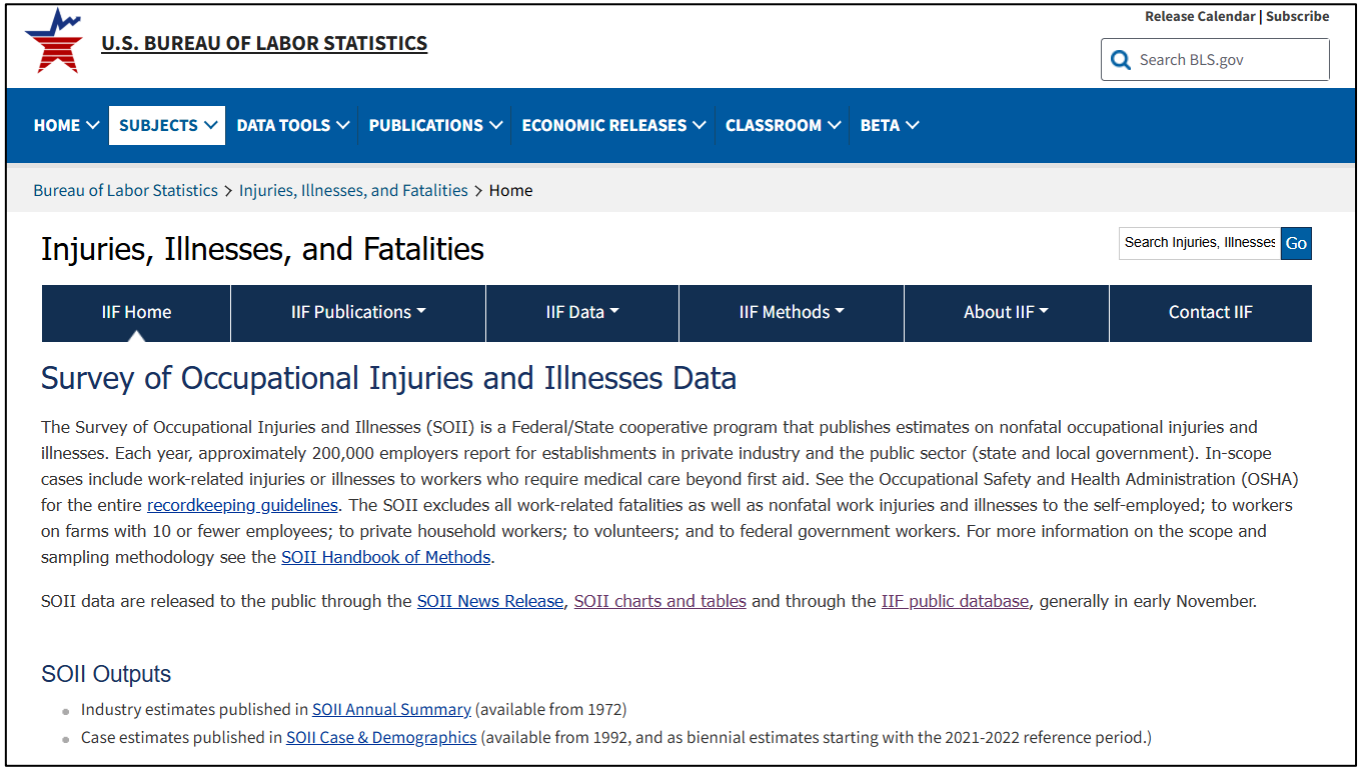
Common Questions & Answers #6

- Is the data you use all publicly available? Is it easy to navigate/access?
  - Depends on:
    - Data Source
    - Individual Skillset/Familiarity with data sources and documentation
      - May required additional steps to pull construction out of national data

Common Questions & Answers #7

- Why do you report nonfatal injuries for two-year period while fatal injuries are annual?



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Common Questions & Answers #8

- Why are we seeing less detailed injury statistics?

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Common Questions & Answers #9

- Can I use your materials in a presentation, paper, proposal?

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Common Questions & Answers #10

- Can you help me pull data or identify potential data sources?
  - We respond to data requests
    - Specific trade/occupation.
    - Content not included in our products.
  - Help individuals identify and navigate data sources to use for their own projects.

Email us directly or at datacenter@cpwr.com

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Common Questions & Answers #11

- What do you hope happens with your products?
  - We hope our products are used to make workplaces safer through reducing jobsite hazards and exposures. For example,
    - Employers developing policies that address hazards and exposures
    - Employees learning about hazards/exposures
    - Individuals using findings to guide their research efforts or intervention/prevention efforts
    - Policy makers using findings to support evidence-based decisions

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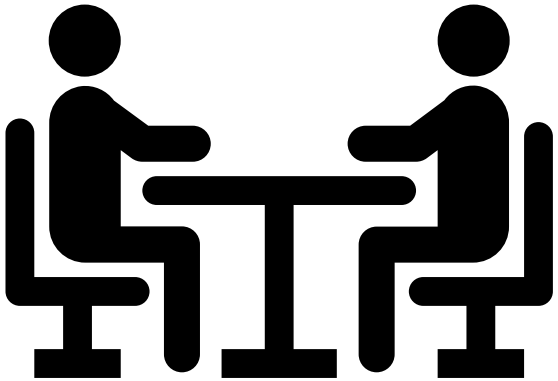
What CPWR Data Center questions do you have?



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CPWR Data Center Survey 2026

- CPWR's Data Center is seeking your feedback to better understand how our products support the industry's data needs and their overall usability. Through a short survey, we aim to gather insights on what's working well, identify gaps, and learn how we can improve. Your input will help guide future enhancements and ensure our data resources continue to meet the industry's evolving needs.
  - Survey Link: https://cpwr.az1.qualtrics.com/jfe/form/SV_6QfqoqruEqcU1Aq

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CPWR Data Center Resources

Data Bulletins

- Transportation Injuries in Construction (Coming February 2026)
- Occupational Exposures in Construction (December 2025)
- Medical Expenditures in Construction (October 2025)

Construction Chart Book

- PDF *Limited number of printed copies available to be shipped for free email datacenter@cpwr.com.
- Interactive Data Dashboards

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Thank you for attending today. Questions?

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We respond to data requests/questions year-round, contact us at datacenter@cpwr.com.