



Region III Update MACSC 10 Feb 2023



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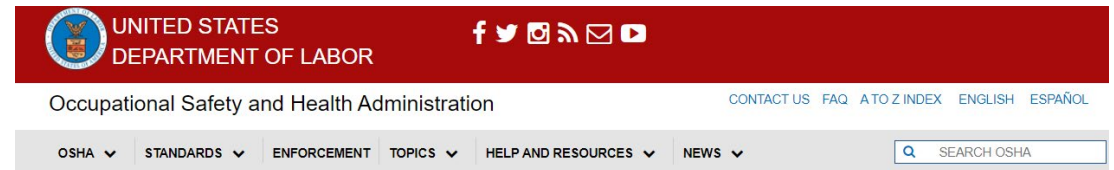
Bipartisan Infrastructure Bill

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



OSHA Directorate of Construction 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



Construction Industry / Infrastructure Safety and Health

Infrastructure Safety and Health



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

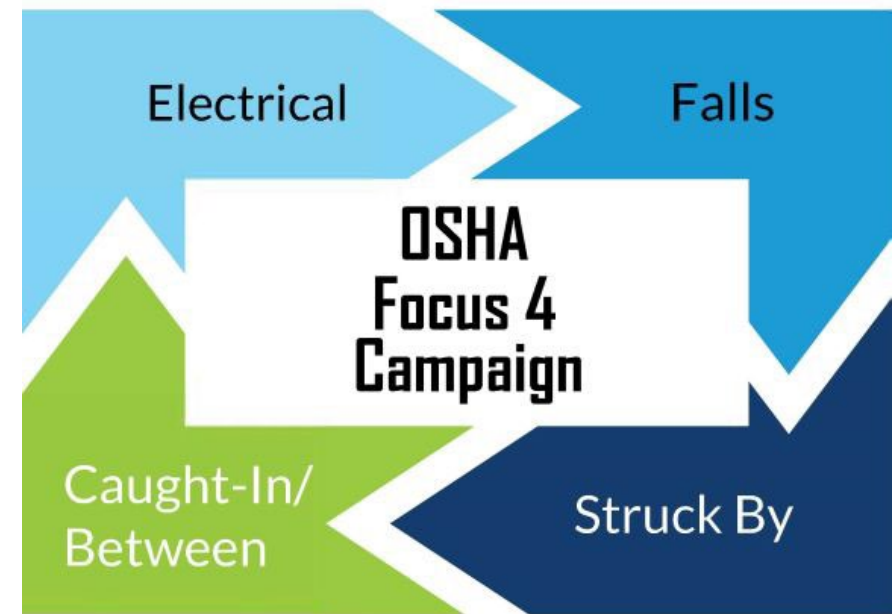


Focus Four Stats 2021

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): 390/378 (40%)
- Struck-by object or equip: 75 (7.6%)
- Electrocutions: 74 (7.5%)
- Caught-in/between: **29 (2.9%)***

Minimum due to non-published data from BLS



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



BLS Stats Note

TABLE A-9. Fatal occupational injuries by event or exposure for all fatal injuries and major private industry sector, all United States, 2021											
Event or exposure ⁽¹⁾	Event code ⁽¹⁾	Total fatal injuries (number)	Goods producing ⁽²⁾					Total service providing	Trade, transportation and utilities	Information	Finance and insurance
			Total goods producing	Natural resources and mining ⁽³⁾	Construction	Manufacturing					
Total		5190	–	548	986	383	–	1452	36		
Violence and other injuries by persons or animals	1	761	–	33	40	36	–	207	9		
Intentional injury by person	11	718	–	19	–	36	–	199	8		
Intentional injury by other person	111	481	–	4	–	–	–	–	–		
Shooting by other person--intentional	1111	387	–	4	–	–	–	–	–		
Stabbing, cutting, slashing, piercing	1112	45	–	–	–	–	–	–	–		
Hitting, kicking, beating, shoving	1113	21	–	–	–	–	–	–	–		
Strangulation by other person	1114	4	–	–	–	–	–	–	–		
Multiple violent acts by other person	1118	6	–	–	–	–	–	–	–		
Self-inflicted injury--intentional	112	236	–	–	–	–	–	–	–		
Shooting--intentional self-harm	1121	118	–	–	–	–	–	–	–		
Hanging, strangulation, asphyxiation--intentional self-harm	1122	83	–	–	–	–	–	–	–		
Injury by person--unintentional or intent unknown	12	22	–	–	–	–	–	5	1		
Injury by other person--unintentional or intent unknown	121	14	–	–	–	–	–	3	1		
Shooting by other person--unintentional	1211	6	–	–	–	–	–	–	1		
Injured by physical contact with other person in sporting event or physical training	1212	1	–	–	–	–	–	–	–		
Self-inflicted injury--unintentional or intent unknown	122	9	–	–	–	–	–	–	–		

Interesting 2021 BLS Stats

- 212 transportation fatalities
- 96 unintentional overdose (alcohol or drugs)
- 40 due to violence (person or animal)
- 19 trench-related fatalities in 2021
- **40 trench-related fatalities in 2022**

Fatal Fall Incidents in Construction

Falls to a lower level (378) – BLS 2021

<u>Type of Construction</u>	<u>Totals</u>
Roofing	99
Residential Construction	58
Residential Roofing	24
Non-Residential Roofing	22
Masonry	11

BLS specific NAICS codes used for each entry

Fatal Struck-by Incidents in Construction

Struck-by Incidents (75) – BLS 2021

<u>Type of Exposure</u>	<u>Totals</u>
Struck-by falling object or equipment - other than powered vehicle	34
Struck-by object falling from vehicle or machinery - other than vehicle part	10
Struck-by swinging part of powered vehicle	7
Struck or run over by rolling powered vehicle	6
Struck by swinging or slipping object, other than handheld	6

Electrocution Incidents in Construction

Exposure to Electricity Incidents (74) – BLS 2021

<u>Type of Exposure</u>	<u>Totals</u>
Direct exposure to electricity - 50	
Direct exposure to electricity, 220 volts or less	7
Direct exposure to electricity, greater than 220 volts	32
Indirect exposure to electricity - 22	
Indirect exposure to electricity, greater than 220 volts	20

Fatal Caught-in/Between Incidents in Construction

Caught-in Incidents (29)* – BLS 2021

<u>Type of Exposure</u>	<u>Totals</u>
Excavation or trenching cave-in	19
Struck, caught, or crushed in other collapsing structure or equipment	9

Minimum due to non-published data from BLS

Focus 4 Trending

CY	2017	2018	2019	2020	2021	2022	2023
BLS Data	2015	2016	2017	2018	2019	2020	2021
Caught-In/Between	69	72	50	55	59	70	*29
Electrocution	81	82	71	86	79	53	74
Struck By	90	93	80	112	90	83	75
Falls	364	384	381	338	418	368	390
Total	937	991	971	1008	1061	1008	986

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

Trench Collapse Fatalities

- 2017: 24 fatalities
- 2018: 13 fatalities
- 2019: 21 fatalities
- 2020: 18 fatalities
- 2021: 15 fatalities
- 2022: 40 fatalities



Source OIS (Trench Collapses Only), Calendar Year

Agency Priority Goal 2018 – 2021

- Reduce Trenching Hazards Through Enforcement and Compliance Assistance
- Oct 1, 2018 - National Emphasis Program on Trenching & Excavation
 - CSHOs shall initiate inspections under this NEP whenever they observe an open trench or an open excavation, regardless of whether or not a violation is readily observed.
 - Each Area Office/Region must develop and implement a comprehensive excavation safety outreach program for 90 days prior to initiating inspections.
- FY2017: 1,033 total inspections
- FY2018: 1,156 total inspections
- FY2019: 1,554 total inspections
- FY2020: 1,002 total inspections
- FY2021: 922 total inspections
- FY2022: 1,280 total inspections

Source OIS Fiscal Years Oct 1 – Sept 31

OSHA's 2022 Trenching Initiative

- June 14, 2022 - OSHA National Press Release on Increase of Trench-related Fatalities
- OSHA has:
 - Emphasized enforcement of the trenching and excavation standards
 - Increased outreach efforts
 - NUCA Trench Safety Stand Down, June 19-23, 2023

*****Looking for other partners to decrease cave-ins*****



FY23 Construction Outreach Events

- **Region 3 Focus Four – March through June 2023 (Electrical, Struck-By, Falls, Caught-In)**
- National Work Zone Awareness Week, April 17-21, 2023
 - includes National Safety Stand-down to Prevent Struck-by Incidents
- National Safety Stand-Down to Prevent Falls in Construction, May 1-5, 2023
- Trench Safety Stand Down, June 19-23, 2023
- Construction Suicide Prevention Week, September 4 -8, 2023



Contact

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Contact me for site events and toolbox discussions!!!

Questions?

