

# A Partner Coordinated Campaign to Prevent Falls in Construction: Historical Review & Analysis of Reach

Join the  
National Safety  
**Stand-Down**  
To Prevent Falls in Construction

MAY 2-6, 2016

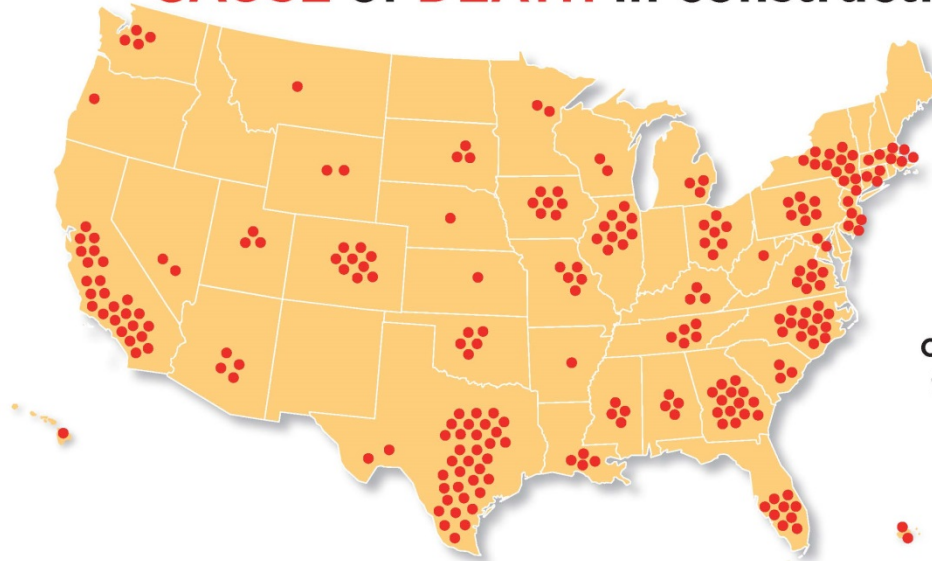


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Research to Practice, CPWR



# Why Focus on Falls?

Did you know that **FALLS** are the leading **CAUSE** of **DEATH** in construction?



Each dot represents a fatal construction fall in 2015.

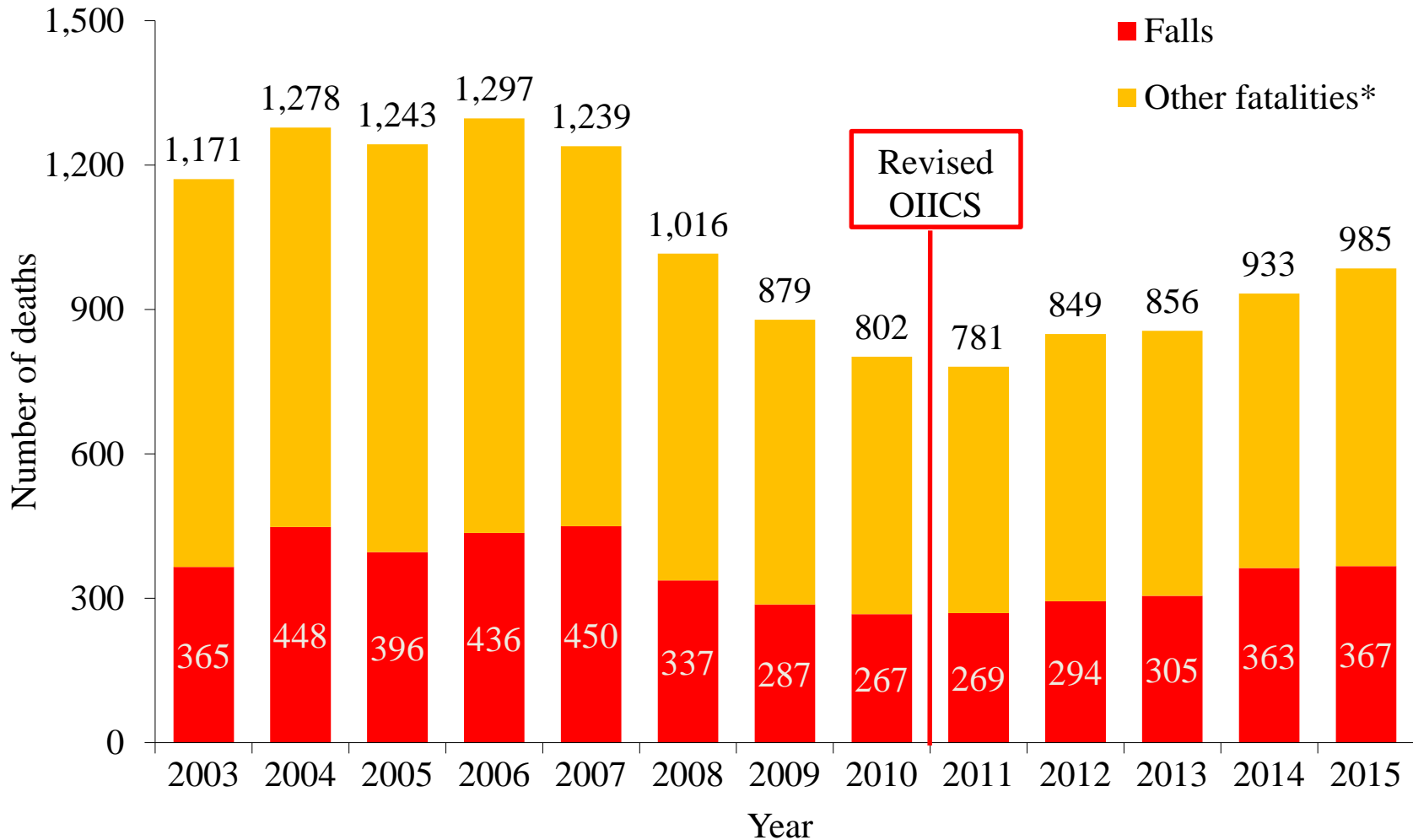
**You can help prevent fall-related deaths and injuries.**  
**Join the Campaign!** [www.stopconstructionfalls.com](http://www.stopconstructionfalls.com)



Source: <http://stopconstructionfalls.com/fatality-map/fatality-mapping-project/>



# In 2015, construction fatalities increased by 26% compared to 2011; fatal falls increased by 36%

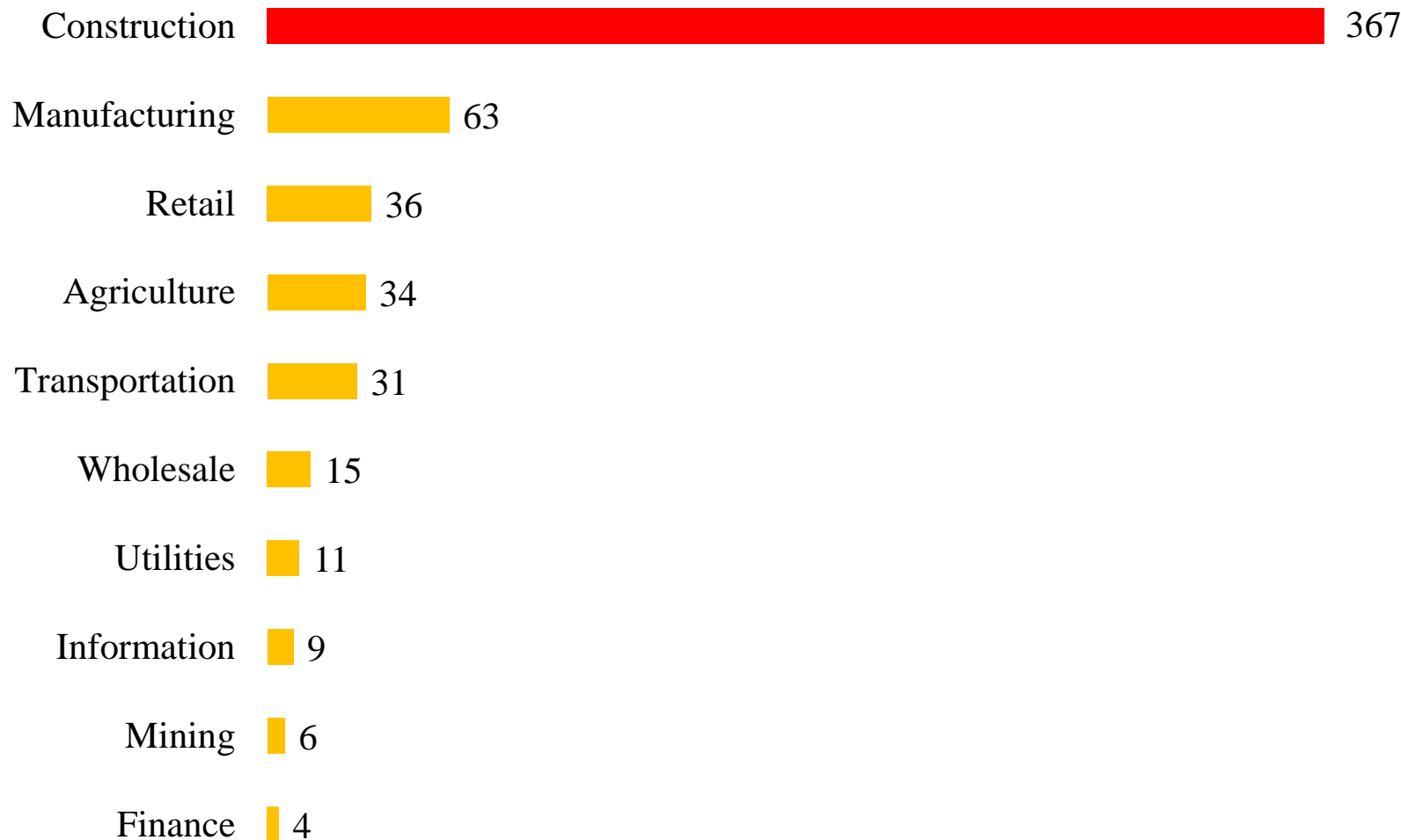


Note: In 2011, the CFOI switched to OIICS version 2.01 which categorizes slips, trips, and falls together. In previous years, slips and trips were categorized elsewhere. \*Other fatalities are fatalities from all causes except falls.

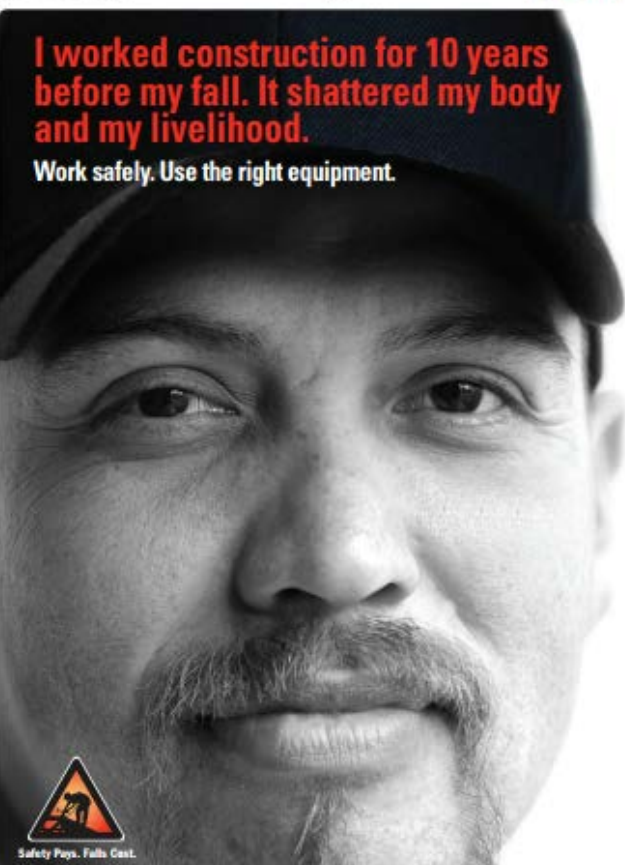
Source: U.S. Bureau of Labor Statistics, 2003-2015 Census of Fatal Occupational Injuries. Numbers were from the online CFOI database.

# In 2015, 46% of work-related fatal falls in the U.S. occurred among construction workers

Number of deaths



# Early Days of the Campaign



**I worked construction for 10 years before my fall. It shattered my body and my livelihood.**  
**Work safely. Use the right equipment.**

**FALLS FROM LADDERS, SCAFFOLDS AND ROOFS CAN BE PREVENTED!**

**PLAN** ahead to get the job done safely.  
**PROVIDE** the right equipment.  
**TRAIN** everyone to use the equipment safely.

**OSHA** Occupational Safety and Health Administration  
[www.osha.gov](http://www.osha.gov)

**CDC NIOSH** National Institute for Occupational Safety and Health  
[www.niosh.gov](http://www.niosh.gov)

**U.S. Department of Labor** 1-800-325-OSHA (6742) • TTY 1-877-889-5827

**Safety Pays. Falls Cost.**

**FALLS FROM ROOFS CAN BE PREVENTED!**

- Wear a harness and always stay connected
- Make sure your harness fits
- Use guardrails or lifelines
- Inspect all fall protection equipment before use
- Guard or cover all holes, openings, and skylights



**PLAN** ahead to get the job done safely.  
**PROVIDE** the right roof equipment.  
**TRAIN** everyone to use the equipment safely.

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**Safety Pays. Falls Cost.**  
[www.osha.gov/stopfalls/](http://www.osha.gov/stopfalls/)

**FALL PREVENTION FACT SHEET**

**I worked construction for 10 years before my fall. It shattered my body and my livelihood.**  
**Work safely. Use the right equipment.**

**PLAN** ahead to get the job done safely. **PROVIDE** the right equipment. **TRAIN** everyone to use the equipment safely.

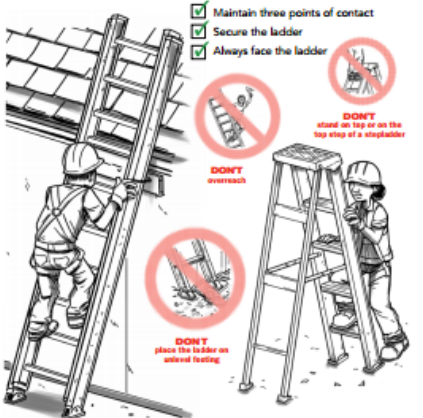
**DON'T** disconnect from the lifeline

**DON'T** work around unprotected openings or skylights

**DON'T** use defective equipment

**FALLS FROM LADDERS CAN BE PREVENTED!**

- Choose the right ladder for the job
- Maintain three points of contact
- Secure the ladder
- Always face the ladder



**PLAN** ahead to get the job done safely.  
**PROVIDE** the right ladder and equipment.  
**TRAIN** everyone to use the equipment safely.

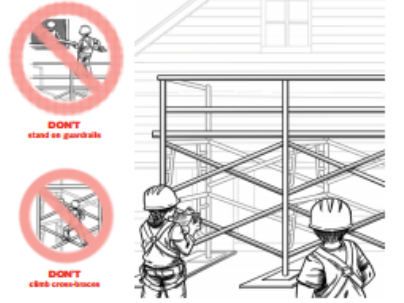
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**FALLS FROM SCAFFOLDS CAN BE PREVENTED!**

- Use fully planked scaffolds
- Ensure proper access to scaffold
- Plumb and level
- Complete ALL guardrails
- Ensure stable footing
- Inspect before use (by competent person)



**PLAN** ahead to get the job done safely.  
**PROVIDE** the right scaffold and equipment.  
**TRAIN** everyone to use the equipment safely.

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**DON'T** stand on top or on the top step of a stepladder

**DON'T** overreach

**DON'T** place the ladder on uneven footing

**DON'T** use a ladder on top of a scaffold

**DON'T** stand on guardrails

**DON'T** climb cross-braces

# National Safety Stand-Down



National Safety  
**STAND-DOWN**  
TO PREVENT FALLS IN CONSTRUCTION  
**MAY 8-12, 2017**

**Stop Falls Stand-Down**

- ▶ Plan a toolbox talk or other safety activity
- ▶ Take a break to talk about how to prevent falls
- ▶ Provide training for all workers

For more information:  
[www.osha.gov/StopFallsStandDown](http://www.osha.gov/StopFallsStandDown)  
#StandDown4Safety • (800) 321-OSHA (6742)



 **OSHA** Occupational Safety and Health Administration  
 **CDC** WORKPLACE SAFETY  
 **NOSH** NIOSH  
 **NOHA**  
 Safety Pays. Falls Cost.



# Partner Coordination



- 
- R2p Working Group
  - Weekly Stand-Down Planning meetings
  - Division of labor
  - Outreach to other partners
  - Co-branded materials
  - Joint mass media & social media



# Certificates of Participation Data Analysis



*The United States Department of Labor  
Occupational Safety and Health Administration*

*recognizes the employees and managers of*

**CPWR**

*for participating in the OSHA*

*2014 National Safety Stand-Down to Prevent Falls in Construction*

*June 2014*

Thomas E. Perez  
Secretary of Labor





# Total Numbers Reached

## All 3 Years

**10,497 Responses**

**2,229,037 Workers Reached**

### 2016

**1,856 Responses\***

**417,537 Workers**

**Reached\***

### 2015

**3,759 Responses**

**1,041,307 Workers**

**Reached**

### 2014

**4,882 Responses**

**770,193 Workers**

**Reached**



# Do Respondents come back for certificates each year?

**1 year: 4,501**



**2014: 2,220**  
**2015: 1,435**  
**2016: 846**

**2 years: 743**



**2014 & 2015: 469**  
**2014 & 2016: 146**  
**2015 & 2016: 128**

**All 3 years: 167**



# Mix of New & Repeat Participants

“This was our first time participating in the Stand Down. We believe our employees saw the importance of it and benefited from it. We look forward to next year!”

“It went well, this was our first year so have some improvements to make however overall had good participation and feedback.”

“This was my first year of participation in the National Safety Stand-Down week and I felt that the results proved to be a fun, educational filled week”

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“We have participated for 3 Years and had great success!!...This year we concentrated on Falls from Extension Ladders.”

“This is the second year we have participated in this national event, and it is an important part of our overall fall prevention strategy”

“This is our third year participating as an entire company. We utilize a week long format to reach all of our offices and project sites in the United States.”



# Frequency & Amount of Participation

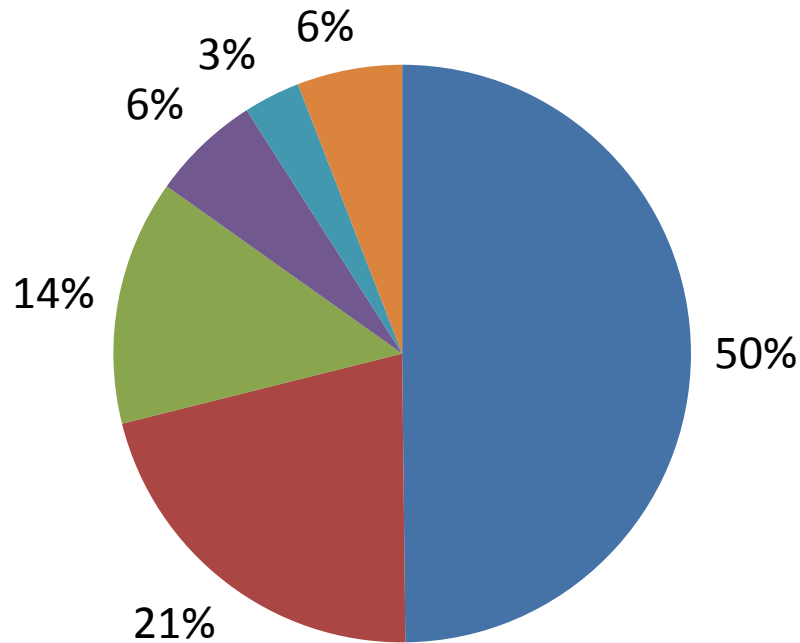
	<u>2016</u>	<u>2015</u>	<u>2014</u>
Number of companies who participated on more than 1 jobsite	320 (17%)	449 (12%)	409 (8%)
Number of companies who participated on more than 1 day	173 (9%)	467 (12%)	365 (7.5%)
Number of companies who mentioned participating every day for 1 week	86 (4.5%)	82 (2%)	209 (4%)
Number of companies who mentioned participating every day of the 2015 Stand-Down period (2 weeks)		85 (2%)	



# Type of Construction

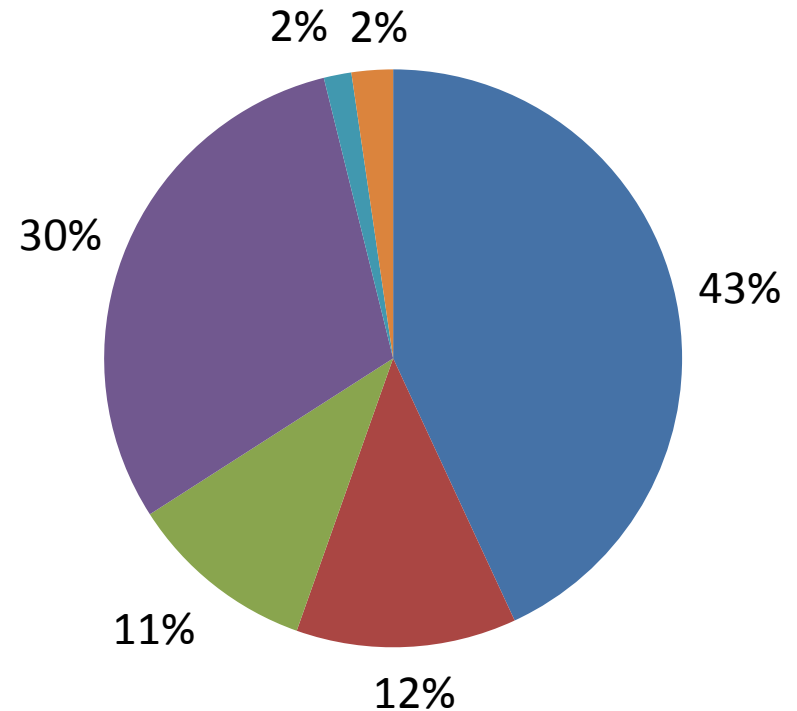
## Responses

Total = 10,497



## Participants

Total = 2,229,037



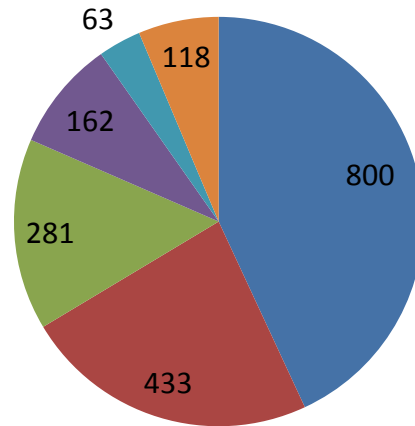
■ Commercial construction  
■ Non-construction  
■ Highway

■ Other construction  
■ Government  
■ Residential construction



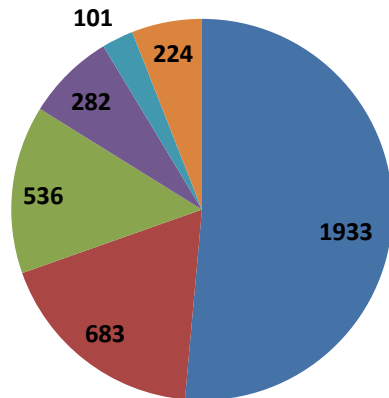
# Stand-Downs by Type of Construction

2016

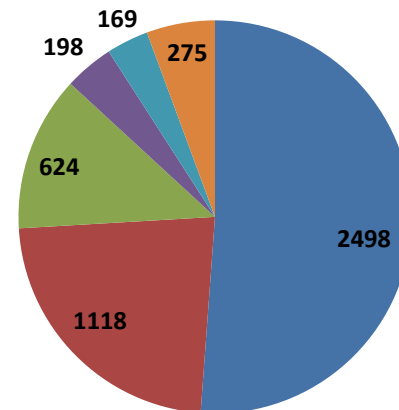


- Commercial Construction
- Other Construction
- Non-Construction
- Government
- Highway
- Residential Construction

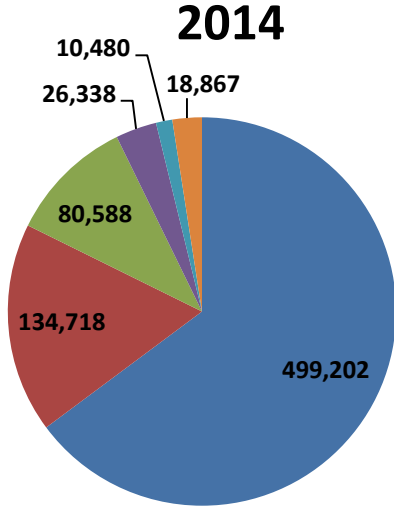
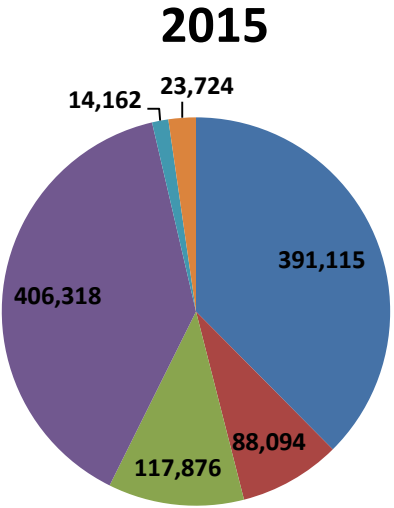
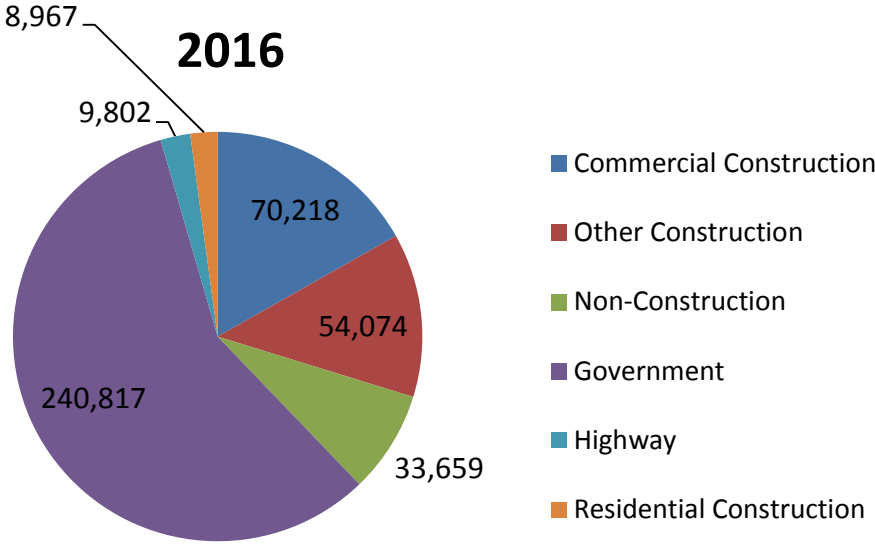
2015



2014



# Workers Reached by Type of Construction



# Small Stand-Downs

## 25 or Fewer Workers

### 2016:

42.65% of Total Responses  
49.15% of Residential  
Construction Entries

### 2015:

43.9% of Total Responses  
51.46% of Residential  
Construction Entries

### 2014:

49.79% of Total Responses  
57.8% of Residential  
Construction Entries

## 10 or Fewer Workers

### 2016

22.89% of Total Responses  
25.42% of Residential  
Construction Entries

### 2015:

22.98% of Total Responses  
1.90% of Residential  
Construction Entries

### 2014:

29.35% of Total Responses  
1.99% of Residential  
Construction Entries



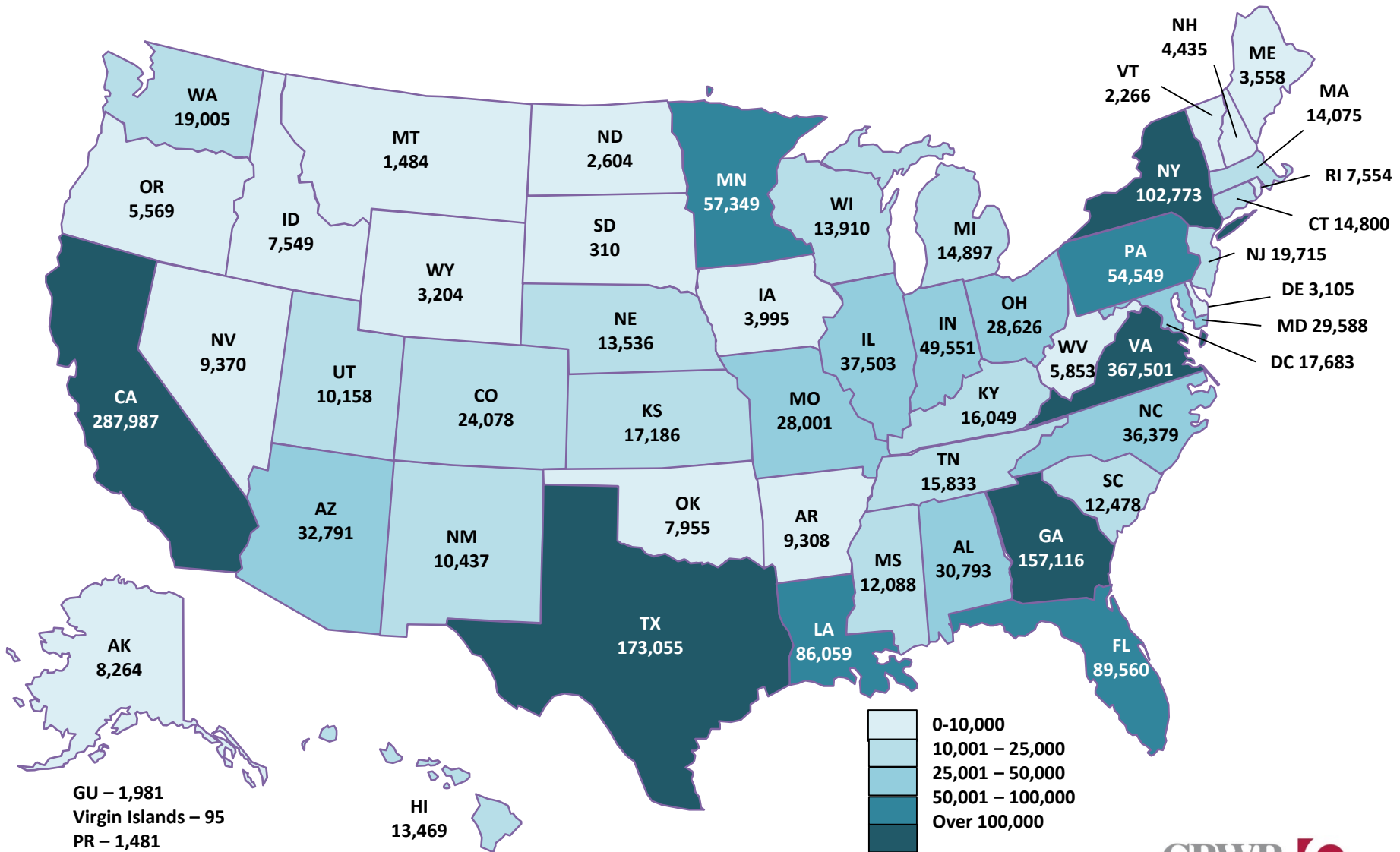


# Total Stand-Downs by OSHA Region

Region	2016	2015	2014
1	78 (4%)	183 (5%)	289 (6%)
2	211 (11%)	304 (8%)	452 (9%)
3	205 (11%)	478 (13%)	514 (11%)
4	320 (17%)	615 (16%)	925 (19%)
5	224 (12%)	560 (15%)	824 (17%)
6	309 (17%)	674 (18%)	663 (14%)
7	97 (5%)	189 (5%)	211 (4%)
8	72 (4%)	173 (3%)	186 (4%)
9	233 (13%)	398 (11%)	543 (11%)
10	63 (4%)	127 (4%)	158 (3%)
INTL	41 (2%)	58 (2%)	115 (2%)
Undefined	3	--	2
<b>TOTAL</b>	<b>1,856</b>	<b>3,759</b>	<b>4,882</b>

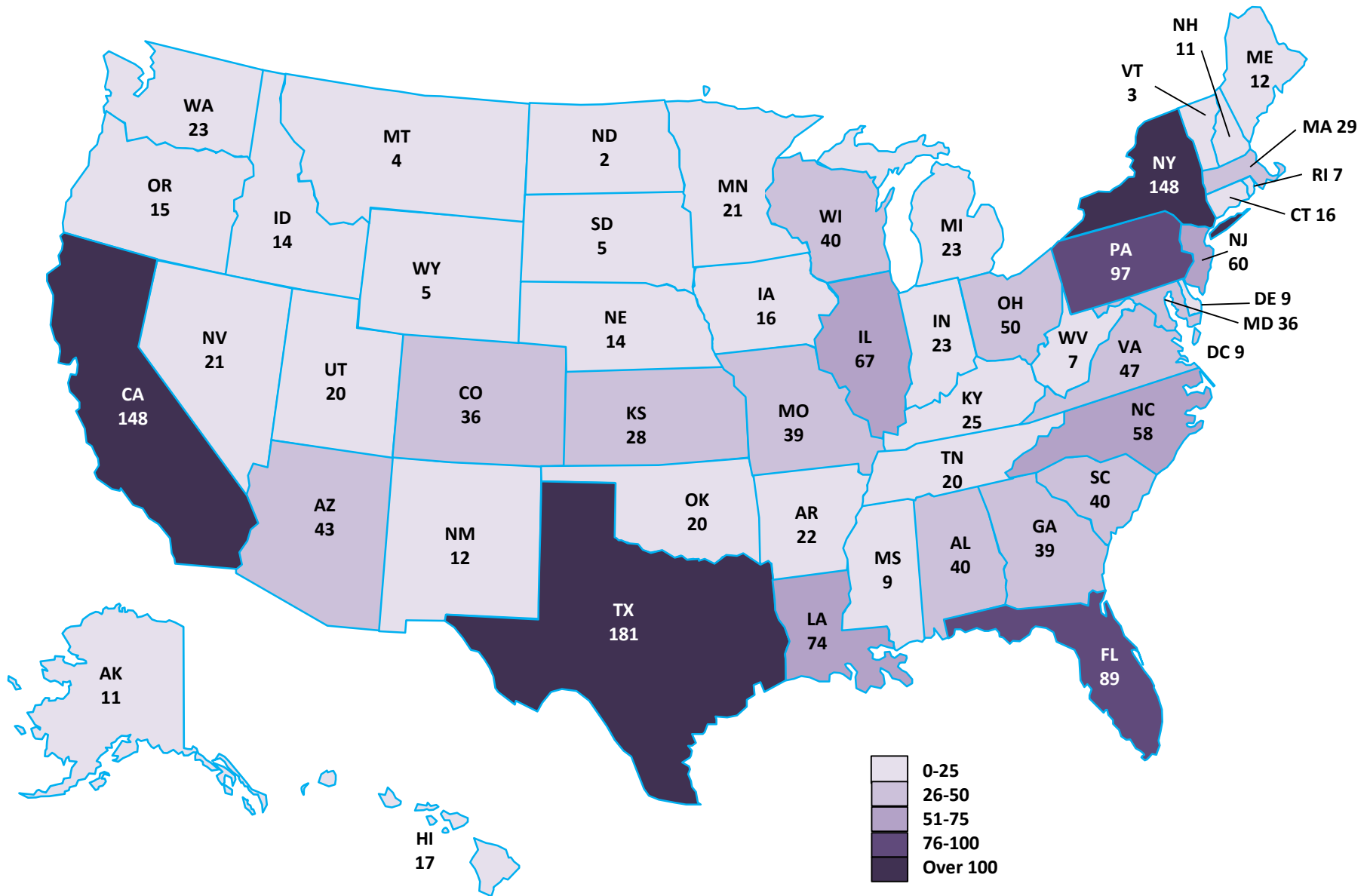


# Between 2014 and 2016, the National Safety Stand-Downs reached more than 5 million workers

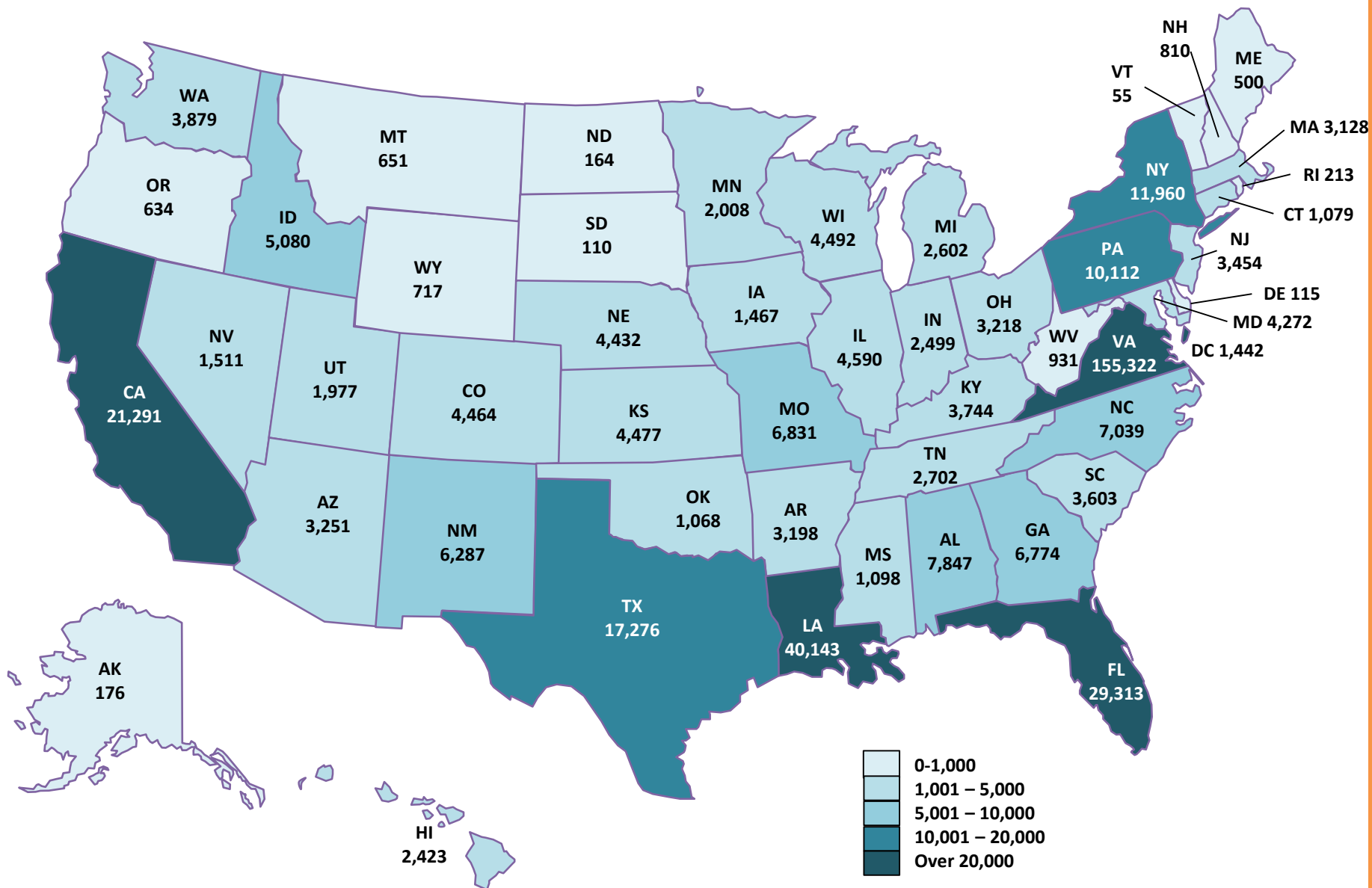


Source: OSHA Safety Stand-Down Certificate of Participation Database. Calculations by the authors.

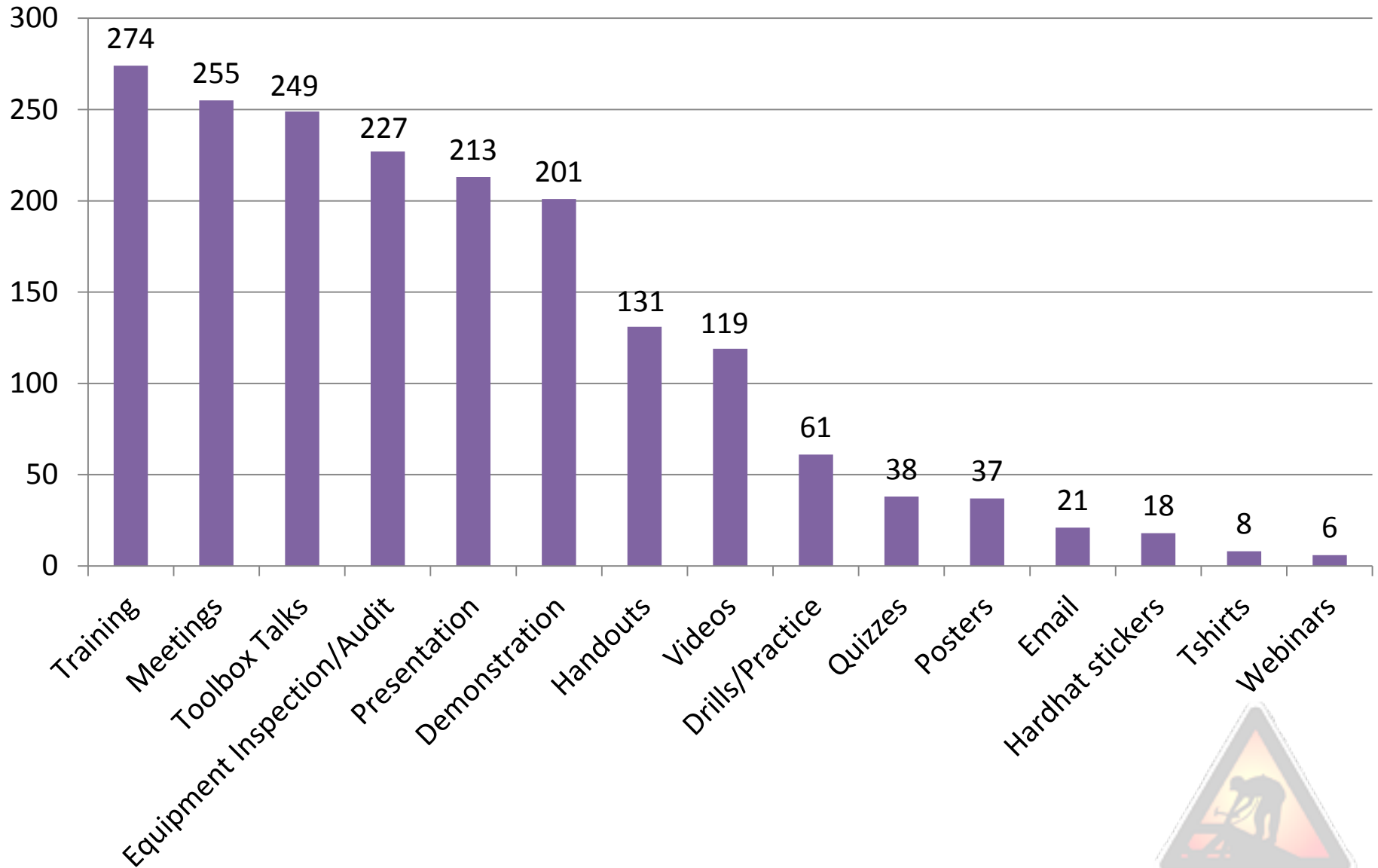
# 2016: Stand-Downs by State



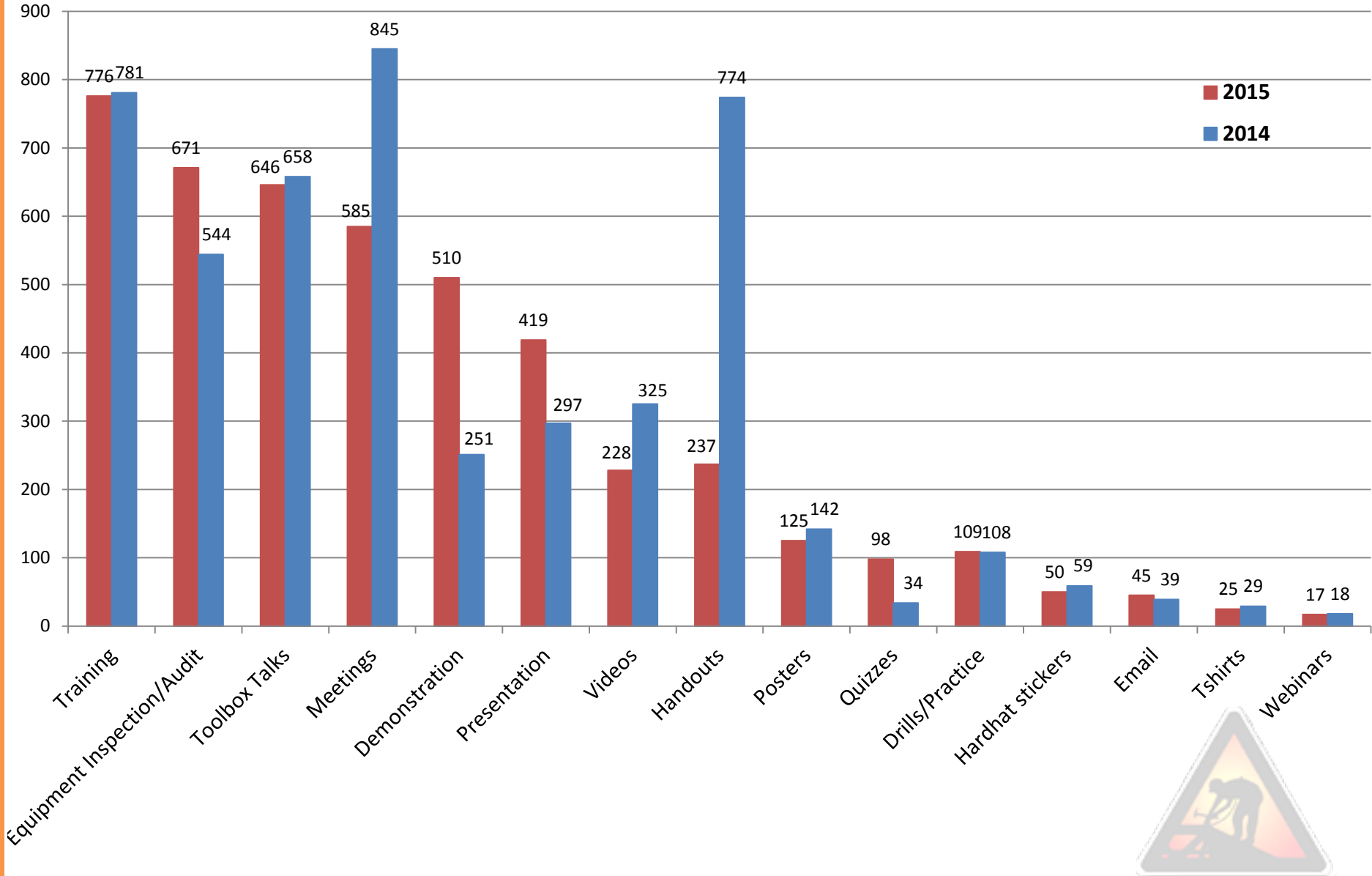
# 2016: Workers Reached by State



# Activities Conducted in 2016



# Activities Conducted on All Stand-Downs



# Stakeholder Influence

“[Our joint companies] actively participated across both organizations facilitating a safety **poster development contest**. The winners were selected by [our insurance company’s] judges, and are on display across the...organization.”

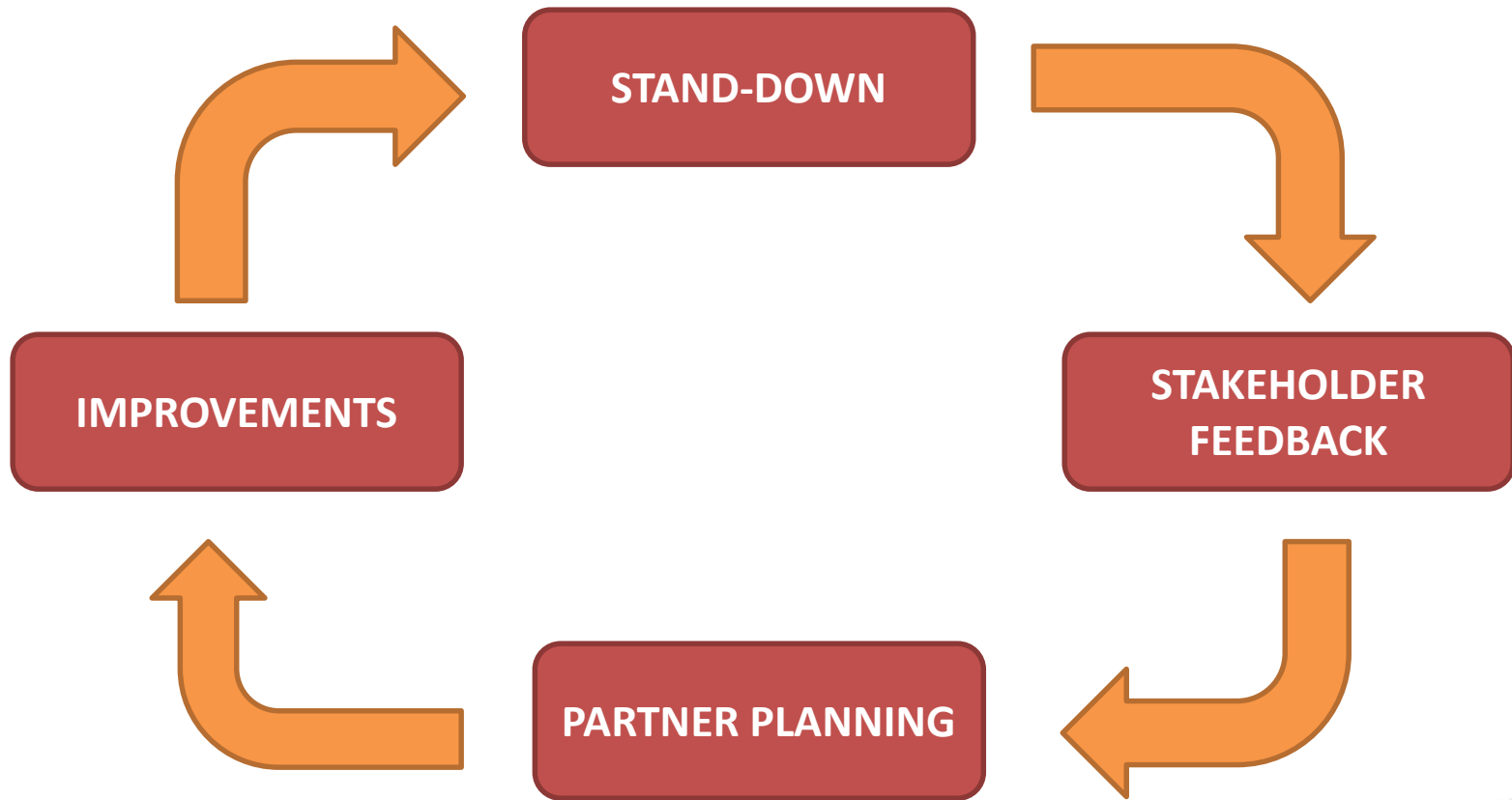
“We discussed and **listened to suggestions from our crews** about our current scaffolding procedures, ladder inspections, and Aerial Lifts. **We are going to suggest using Aerial Lifts more frequently on larger projects instead of scaffolding**. Employees will need to be trained on aerial lifts prior to operation so I need to plan for that in my budget.”

“[We] introduced the **new Harness Hero App** you can play on your smart phone. It generated some great conversations about proper tie off methods.”

“**We printed off coloring sheets for the workers to take home to their kids and discuss safety with them**. The guys then brought back the colored sheets...and we posted all the art on the walls and windows of the job trailer. It made the safety awareness carry over from work to home...[the] pictures their kids colored made them remember why they need to work safely...to go home safe to their kids/ family every night.”

“We focused in on the **use of [ladders] at home** also as many of us work at elevated heights there too. It is no different. You have to use the right equipment at home and at work.”

# Stakeholder Influence





# Repeat Feedback

- More material for general industry
- Focus on new hazards
- Provide real-life examples through speakers, videos, stories
- More materials in general – especially videos – participants need something different from past years
- Earlier/better promotion
  - Allow people to sign up for OSHA email alerts just on programs like this (separate from news/Quicktakes)
- Do a stand-down each quarter
- Use more social media
- Additional languages



# Questions?

