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2.5.a: Decrease the rate of extremely serious worker injuries that lead to death from 2.7 per 100,000 full time workers to 2.5 per 100,000 full time workers by December 2016 - Supplemental



## 2.5.A. WORKER FATALITIES

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Department of Labor and Industries

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Health (DOSH)

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## Background:

### Goal 4: 2.5.a - Decrease Worker Fatality Rate

Decrease rate of extremely serious worker injuries that lead to death from 2.7 to 2.5 per 100,000 fulltime workers by 2016.



Mission: Save lives, prevent injuries, illnesses and protect the safety and health of Washington workers.

People lose their lives each year in preventable employment-related incidents.

## Current State:

### 2015 WA Work-Related Fatality Summary:

- 2015 fatality rate is **2.1**; 2016 target is **2.5** per 100,000 full time workers
- 58 traumatic work-related fatal accidents
- 18 fewer fatalities than 2014 - a 22% decrease
- Third lowest number seen in last ten years
- Since 2006, fatalities decreased by average of 2.7/year



## Current State:

### Occupational Fatality Rate per 100,000 Full-time Equivalent Workers

2015 Overall Fatality Rate <sup>2</sup>		
Rank	State	Rate
NATIONAL AVERAGE		
		3.4
1	<a href="#">Rhode Island</a>	1.2
2	<a href="#">Delaware</a>	1.9
3	<a href="#">Massachusetts</a>	2.1
3	<a href="#">Washington</a>	2.1
4	<a href="#">California</a>	2.2
5	<a href="#">New Jersey</a>	2.3
6	<a href="#">Arizona</a>	2.4
6	<a href="#">Maryland</a>	2.4
7	<a href="#">Maine</a>	2.5
8	<a href="#">Connecticut</a>	2.6
8	<a href="#">Hawaii</a>	2.6
8	<a href="#">Oregon</a>	2.6

Washington State Industry <sup>(1)</sup>	Fatal injury rate <sup>(2)</sup>
2015 Overall Occupational Fatality Rate	2.1
Agriculture, forestry, fishing and hunting	13.3
Mining, quarrying, and oil and gas extraction	-
Construction	4.2
Manufacturing	1.7
Wholesale and retail trade	1.9
Transportation and utilities	4.0
Information	-
Financial activities	-
Professional and business services	1.5
Educational and health services	-
Leisure and hospitality	-
Other services, except public administration	-
Public administration	-

- Footnotes:
- <sup>(1)</sup> CFI has used several versions of the North American Industry Classification System (NAICS) since 2003 to define industry. For more information on the version of NAICS used in this year, see our definitions page at <https://www.bls.gov/ef/osh/ohdef.htm>.
  - <sup>(2)</sup> Workers under the age of 18 years, volunteer workers, and members of the resident military are not included in rate calculations to maintain consistency with the Current Population Survey (CPS) employment. Note: Dashes indicate that a fatal injury rate was not calculated because the data did not meet publication criteria or there were no data reported. Source: U.S. Bureau of Labor Statistics, Current Population Survey, Census of Fatal Occupational Injuries, 2018.

## Current State:

### 2015 WA Work-Related Fatalities by Industry

2015 AGRICULTURE, FORESTRY, FISHING, & HUNTING (11)		
Rank	State	Fatality Rate
1	<a href="#">Oklahoma</a>	7.0
2	<a href="#">Colorado</a>	9.0
3	<a href="#">Washington</a>	13.3
4	<a href="#">Georgia</a>	13.9
5	<a href="#">Iowa</a>	14.7
6	<a href="#">Florida</a>	14.9
7	<a href="#">Texas</a>	15.3
8	<a href="#">Minnesota</a>	16.9
9	<a href="#">California</a>	17.1
10	<a href="#">Virginia</a>	19.1

2015 CONSTRUCTION (23)		
Rank	State	Fatality Rate
1	<a href="#">Washington</a>	4.2
2	<a href="#">Minnesota</a>	5.0
3	<a href="#">Oregon</a>	5.6
4	<a href="#">Kansas</a>	5.7
5	<a href="#">Arizona</a>	6.3
6	<a href="#">Indiana</a>	6.5
7	<a href="#">California</a>	6.8
8	<a href="#">Nebraska</a>	7.1
9	<a href="#">Missouri</a>	7.9
10	<a href="#">New Jersey</a>	8.5

2015 MANUFACTURING		
Rank	State	Fatality Rate
1	<a href="#">California</a>	1.0
2	<a href="#">Minnesota</a>	1.6
3	<a href="#">Illinois</a>	1.7
3	<a href="#">New Jersey</a>	1.7
3	<a href="#">South Carolina</a>	1.7
3	<a href="#">Washington</a>	1.7
4	<a href="#">Massachusetts</a>	1.9
5	<a href="#">Ohio</a>	2.1
6	<a href="#">Indiana</a>	2.2
6	<a href="#">Michigan</a>	2.2

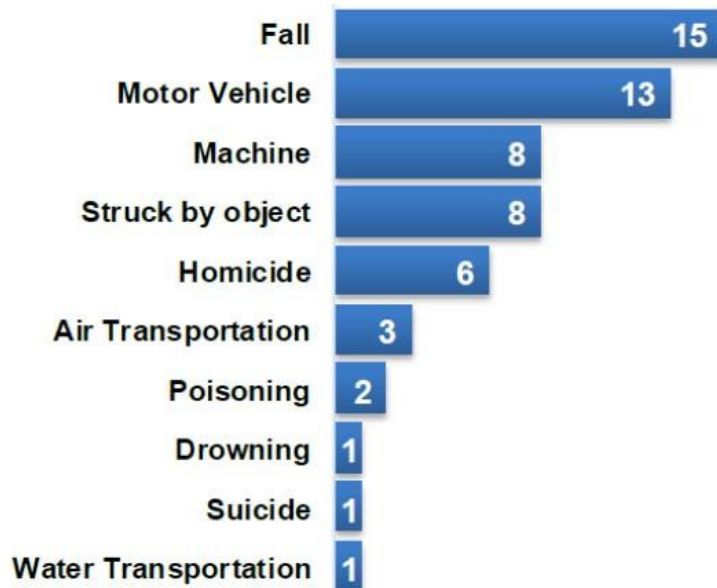
2015 Transportation & Warehousing (48-49)		
Rank	State	Fatality Rate
1	<a href="#">Washington</a>	4.0
2	<a href="#">California</a>	4.9
3	<a href="#">Idaho</a>	5.2
3	<a href="#">Minnesota</a>	5.2
4	<a href="#">New York</a>	5.6
5	<a href="#">Michigan</a>	5.9
6	<a href="#">Illinois</a>	7.1
7	<a href="#">Connecticut</a>	7.3
8	<a href="#">North Carolina</a>	7.5
9	<a href="#">Iowa</a>	7.7

- Agriculture, Forestry, Fishing, Hunting and Transportation and Warehousing industries dropped **30%** from the 2014 fatality rate.
- The Construction industry dropped **46%** from the 2014 rate.
- Because workplace incidents did not occur that might have in 2015, There are workers spending time with their families and companies are more productive



## Current State:

### 2015 Fatality Incident Type - All Industries 58 Total



- Falls – leading cause of fatality; four more falls than 2014

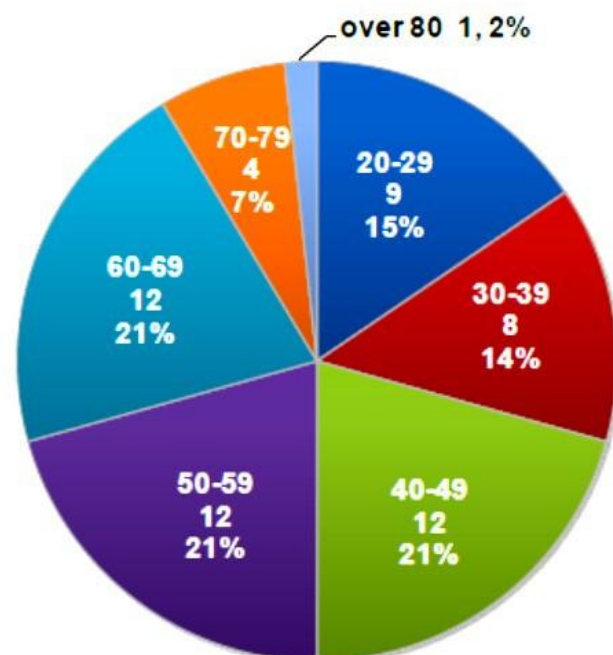
- Motor vehicle fatalities; three fewer than 2014

- Combined, the four most frequent fatality types is 75% of total

## Current State:

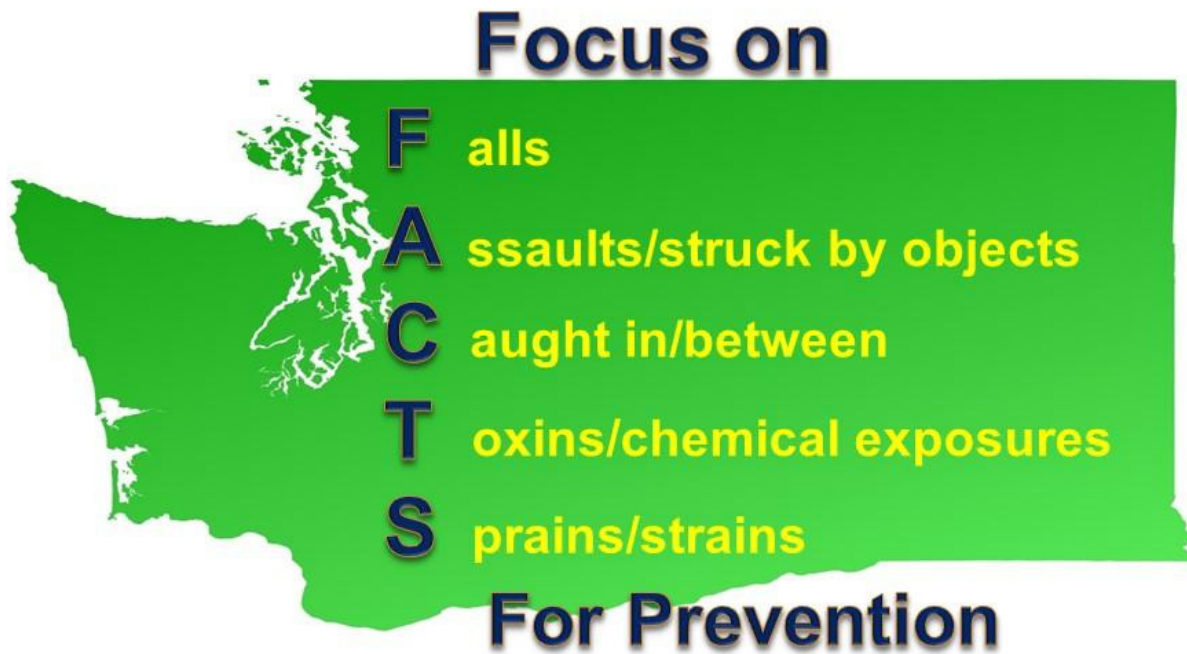
### 2015 Fatalities – Key Worker Characteristics

- 21% (12) of workers were Hispanic
- 50% of workers were aged 50 or over
- 91% (53) were male



May not add to 100% due to rounding

## Strategies:



## Strategies:

*"The presentation was fantastic. Students were engaged and focused. They saw the reality of what can happen on the job and how important it is to be safe. It becomes more real to a young person when they can see and speak with an injured person rather than just reading about it. I would encourage Labor & Industries to continue this wonderful program."*



Micah Arneberg  
Business Teacher  
Work Site Learning Coordinator  
Mt. Tahoma High School, Tacoma

- Young Worker/Student Outreach
- WISHA 10 for Agriculture (Train the Trainer) 40-hour program
- Industry/Hazard Partnerships
  - Fire Service
  - Construction
  - Logging
  - Agriculture
  - Lead
  - Highly Hazardous Chemical Processing

## Detailed Action Plan:

### Continued Worker Safety Partnerships



- Business/labor members
- Meet on regularly scheduled intervals
- Charged with tackling industry specific problems; implement tangible solutions that positively impact safety

## Strategies:

### Preventing Causes of Falls Fatalities - A Model

**I SURVIVED**

Don't ever think:

- It won't happen to me
- It's just another day
- I've done this a thousand times

It happened to me, and I'm alive because:

- My supervisor reminded me about PPE
- My fall protection worked
- I avoided a 30-foot fall

*Apollo*

"I went home safe and made it to my son's baseball game that night." — Terrell Kline

**DANGER  
FALL  
PROTECTION  
REQUIRED**

- Annual Safety Stand Down to Prevent Falls in Construction- May 8-12, 2017
- Outreach, education, awareness and prevention, via:
  - Theatre campaign, training videos: [Fall Awareness Video](#)
  - Consultation, presentations, training, tips
  - Publications/posters
- Fall Protection Advisory Committee
- Use of injury data – data-driven solutions to improve



## Assistance Needed:

Continued awareness that worker fatalities are nearly all preventable and the effort to ensure that no workers lose their life on the job of an occupational injury or illness.

Support of alignment and coordination between Washington State Patrol - Target Zero and Goal 2.5.a. Worker Fatalities.



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