

Survey of Occupational Injuries and Illnesses SOII

Census of Fatal Occupational Injuries CFOI

Peggy Coggeshall –
Montana Department of Labor & Industry
Employment Relations Division
Data Management Section

- The Survey of Occupational Injuries and Illnesses (SOII) is a Federal/State cooperative program that publishes estimates on nonfatal occupational injuries and illnesses.
- Annual Survey
- State and National rates



Incidence Rates

An incidence rate of injuries and illnesses may be computed from the following formula:

$$(N/EH) * 200,000$$

N = Number of injuries and illnesses

/ EH = Employee hours worked X 200,000

(100 employees, working 40 hours a week for 50 weeks a year

= Incidence rate

Per 100 full-time workers

An official website of the United States government [Here is how you know](#) ▼

 U.S. BUREAU OF LABOR STATISTICS

HOME ▼ SUBJECTS ▼ DATA TOOLS ▼ PUBLICATIONS ▼ ECONOMIC RELEASES ▼ STUDENTS ▼ BETA ▼

Injuries, Illnesses, and Fatalities

Incidence Rate Calculator and Comparison Tool [\(For more information or help\)](#)

STEP 1 - Enter the number of hours actually worked by all employees at your establishment in the given year

[\[where to find this number\]](#)

STEP 2 - Enter a value for at least one of the following data elements

Total number of non-fatal work-related injury and illness cases
 [\[where to find this number\]](#)

Number of cases involving days away from work
 [\[where to find this number\]](#)

Number of cases involving job transfer or restricted work activity only
 [\[where to find this number\]](#)

STEP 3 - Select Year and then Area, Supersector and Industry

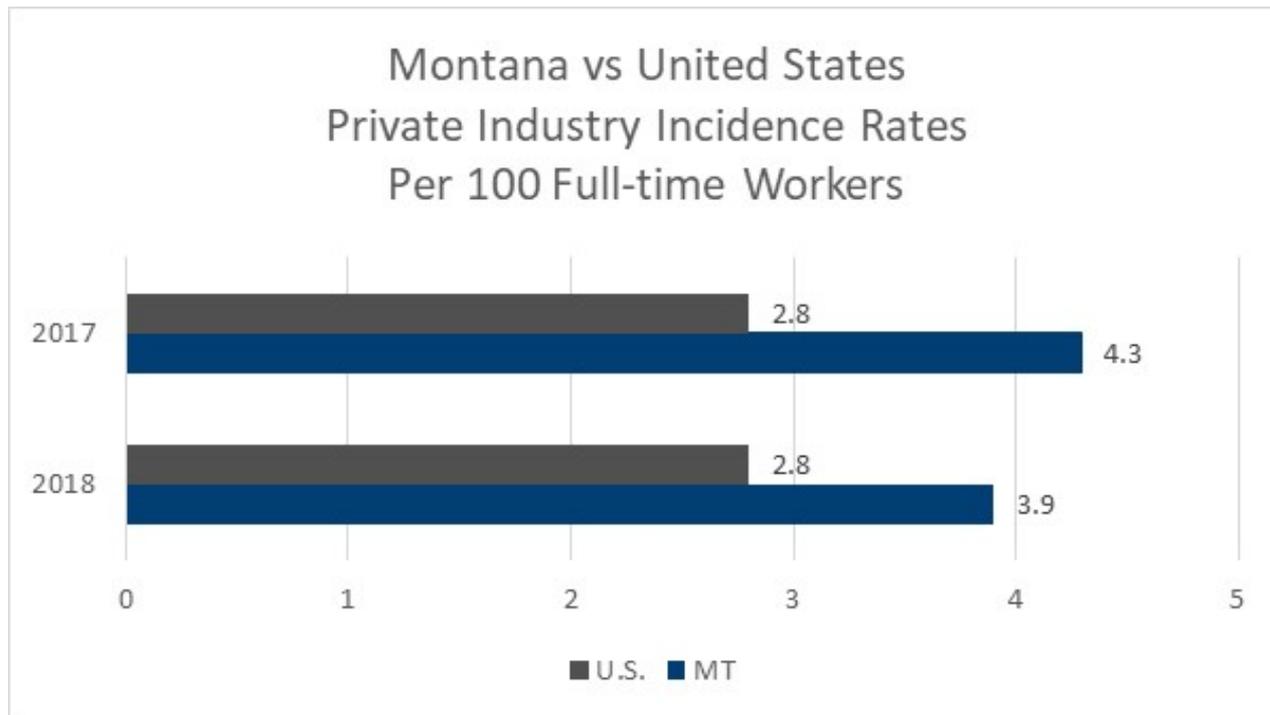
Select a Year:

Select an Area:

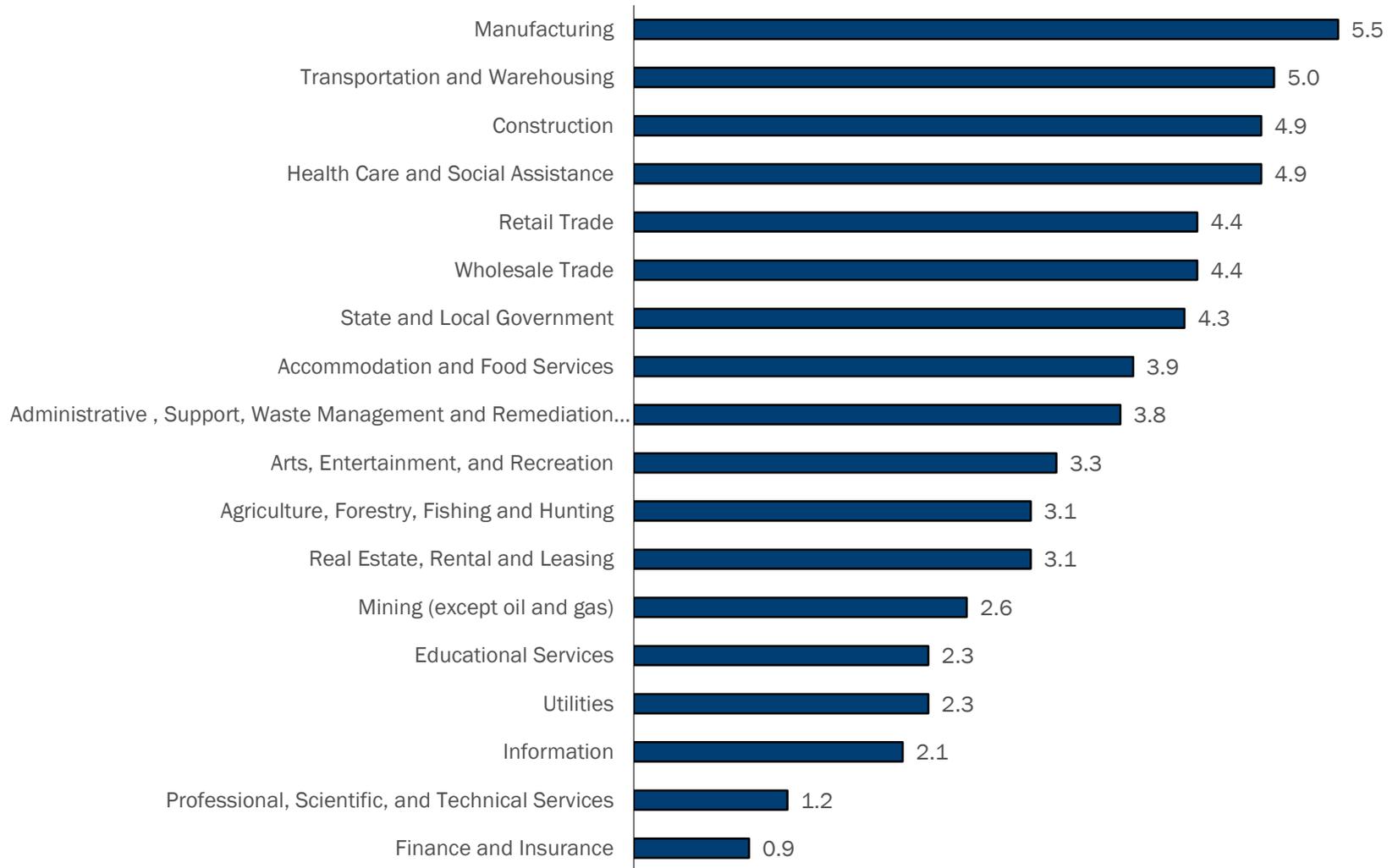
- All ownerships, All U.S.
- Private industry, All U.S.
- State and local government combined, All U.S.
- State government, All U.S.
- Local government, All U.S.
- All ownerships, Alabama
- Private industry, Alabama
- State government, Alabama



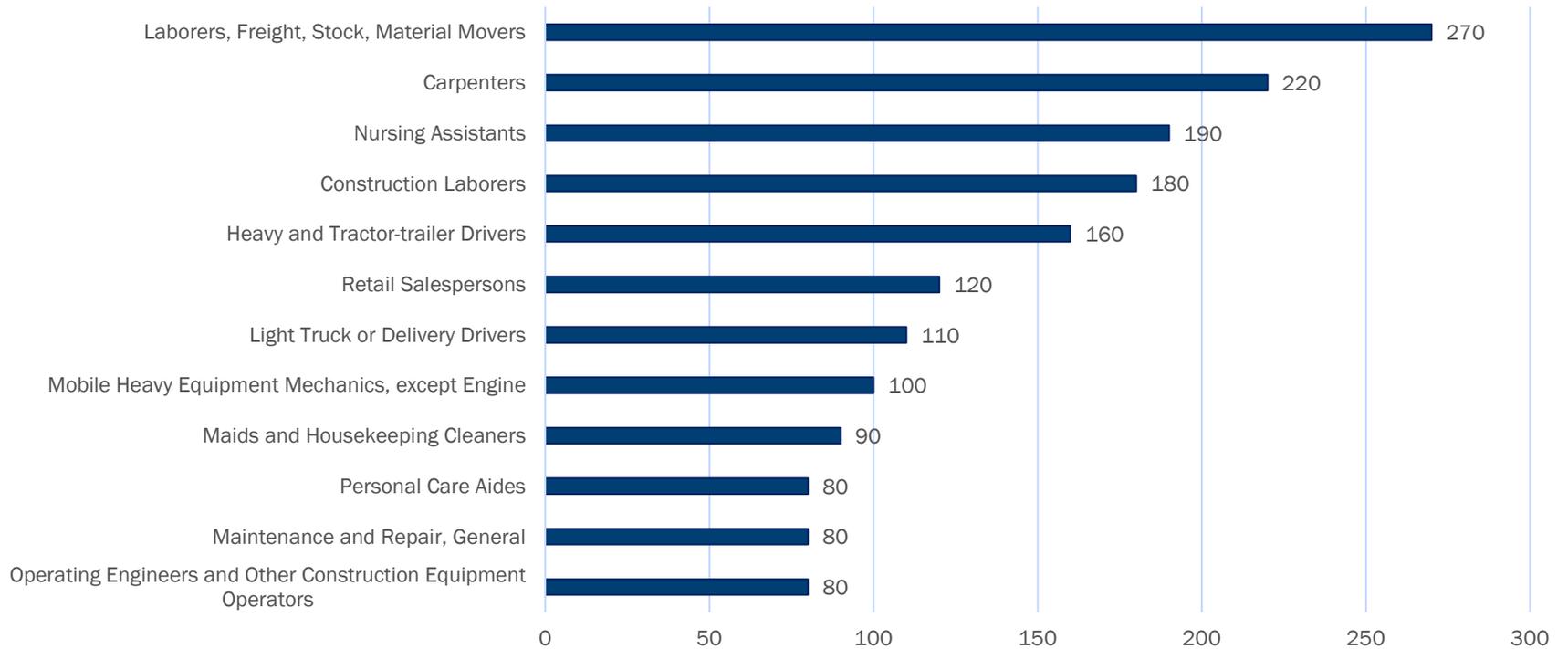
Incidence Rates



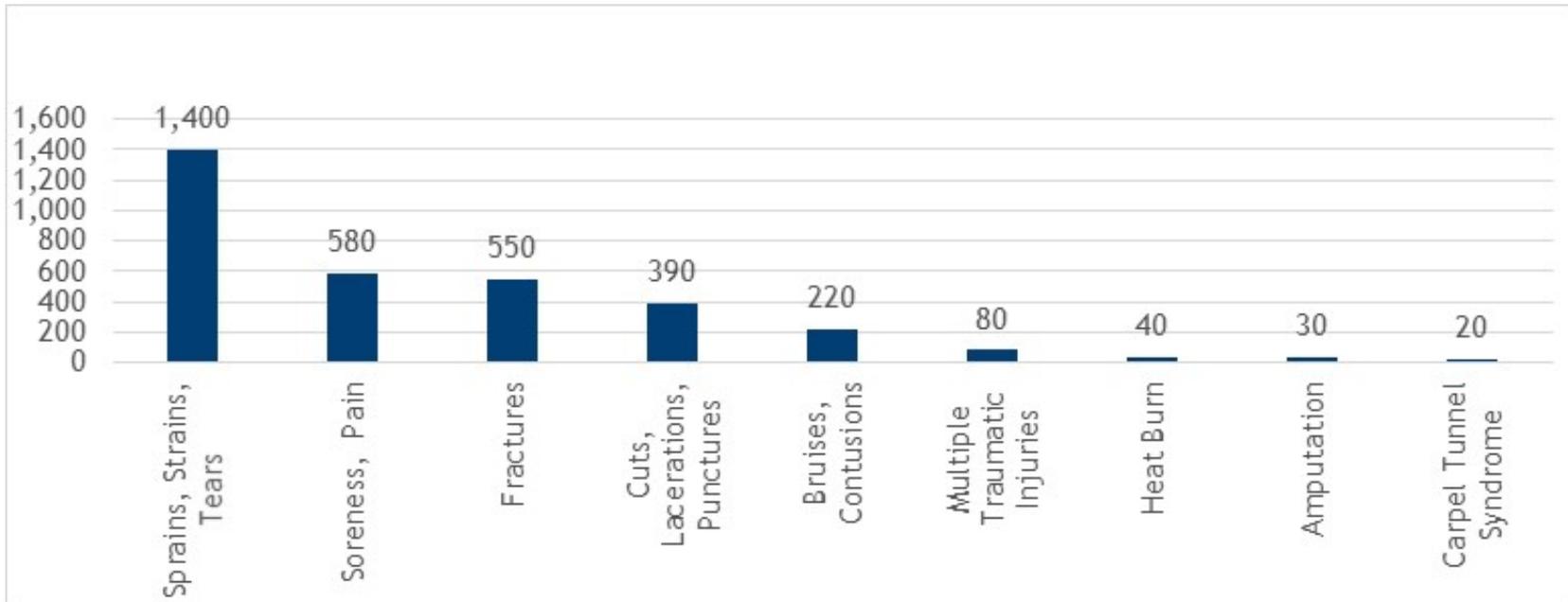
Incidence Rates By Major Industry



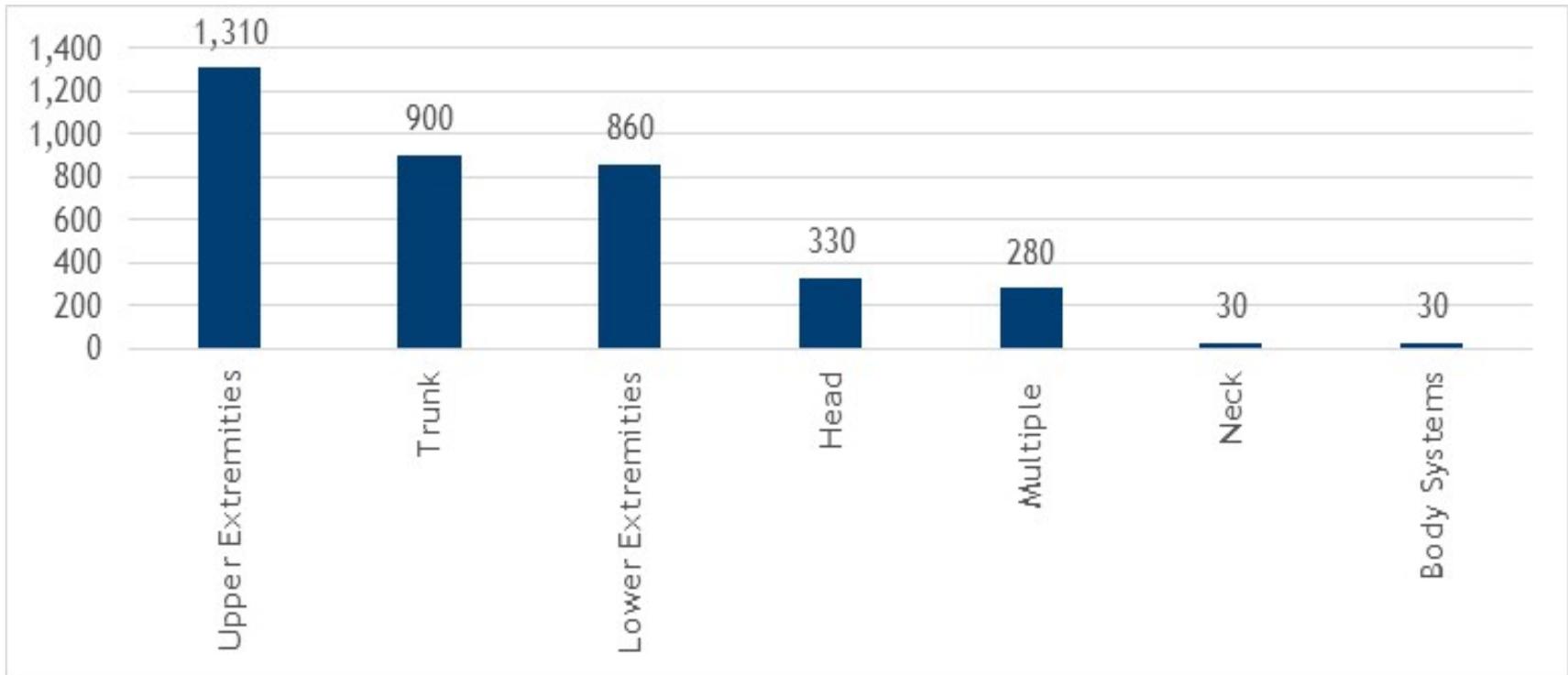
Number of Injuries and Illnesses by Worker Occupation



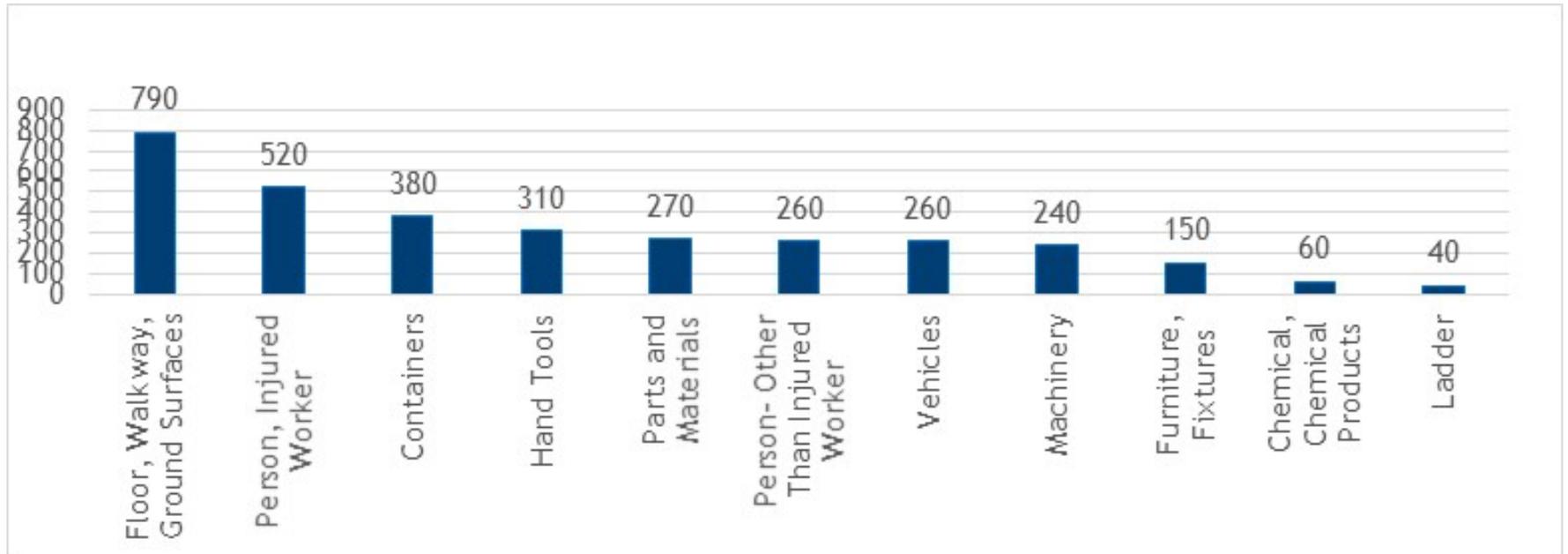
Number of Injuries and Illnesses by Nature of Injury



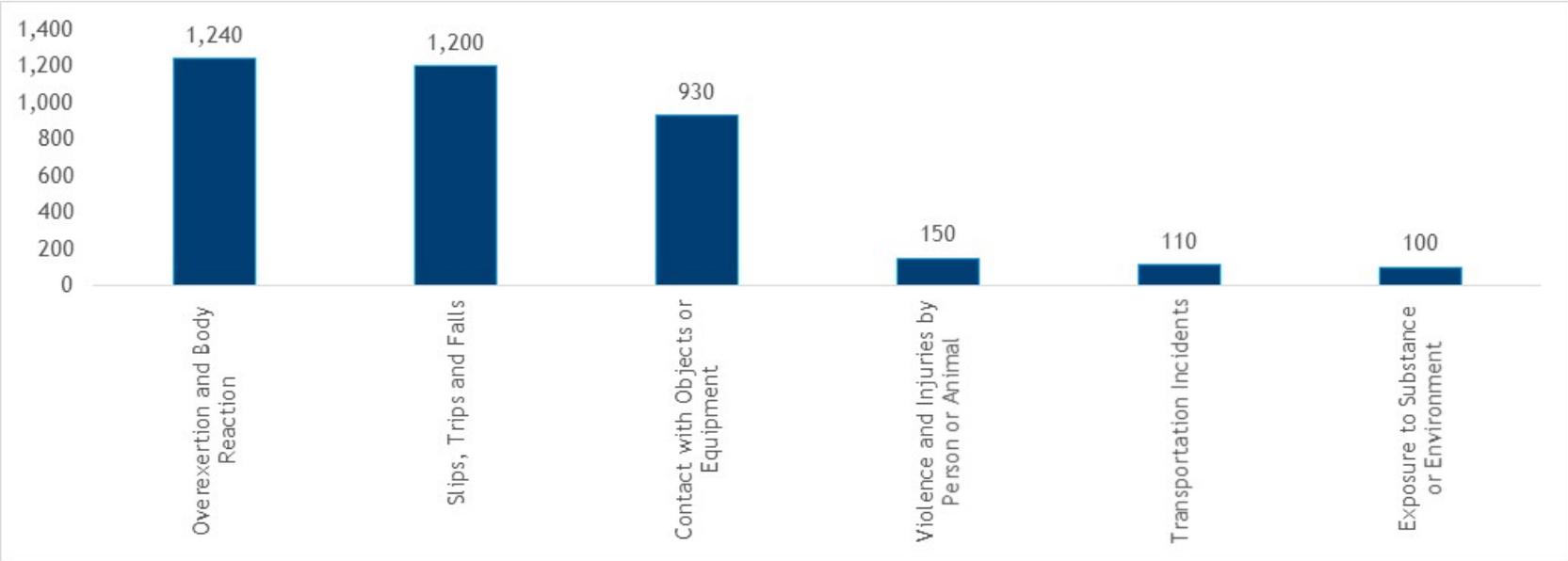
Number of Injuries and Illnesses by Part of Body



Number of Injuries and Illnesses by Source of Injury



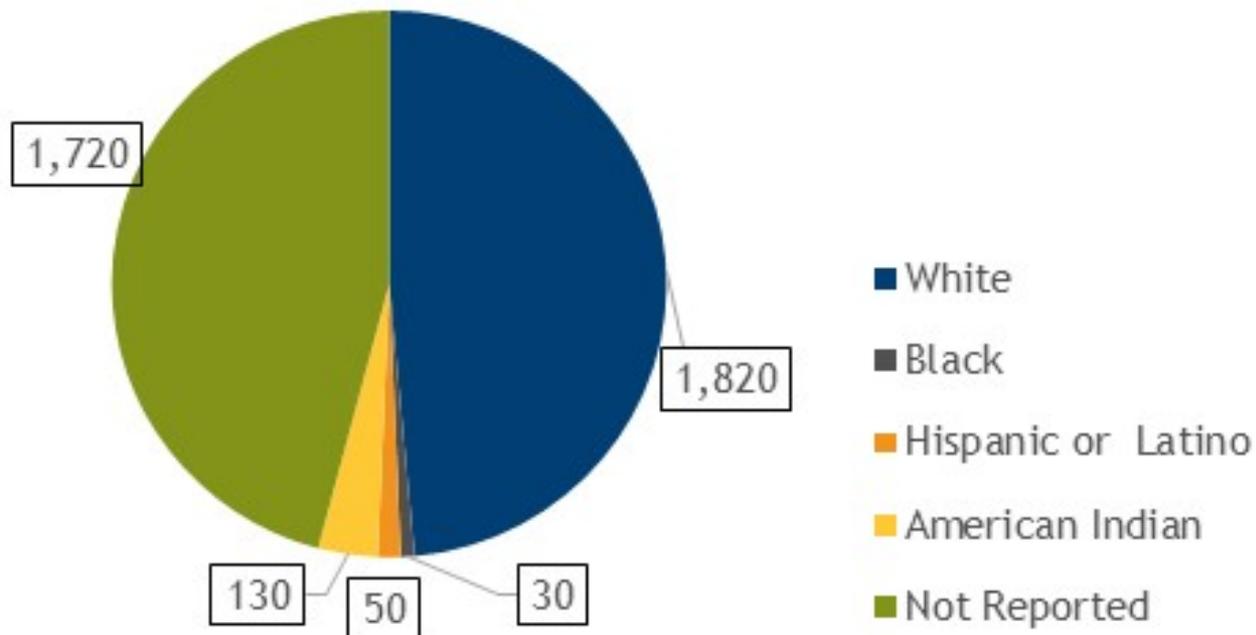
Number of Injuries and Illnesses by Event or Exposure



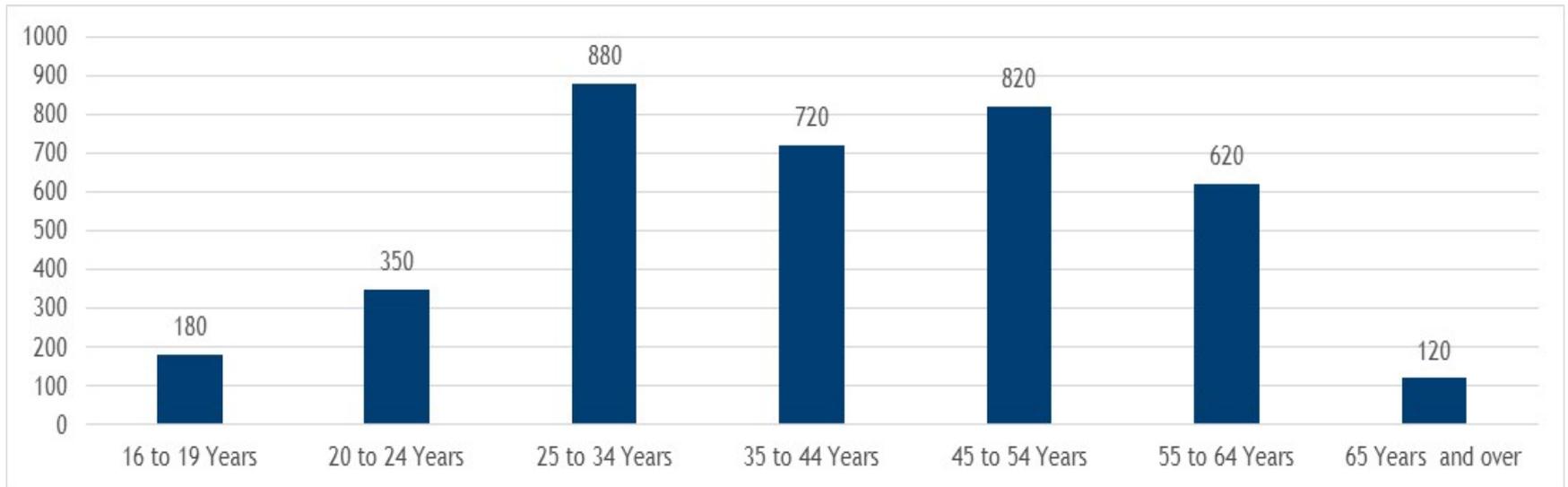
Number of Injuries and Illnesses by Length of Service



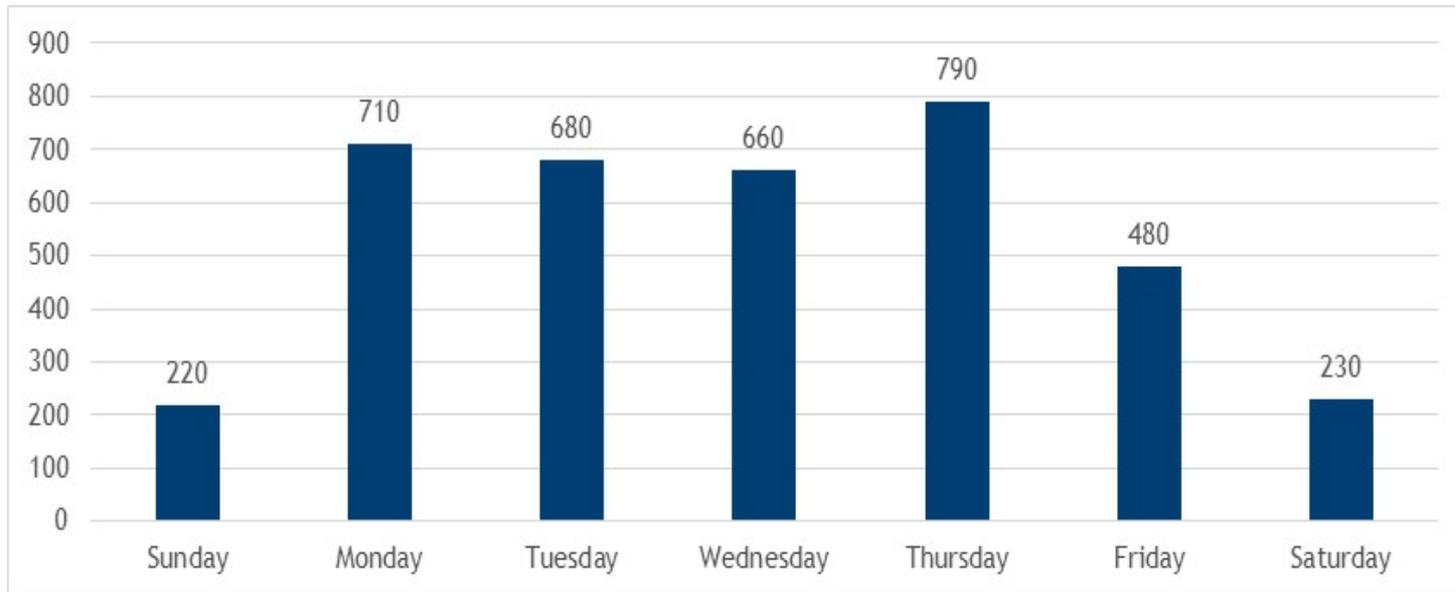
Number of Injuries and Illnesses by Race



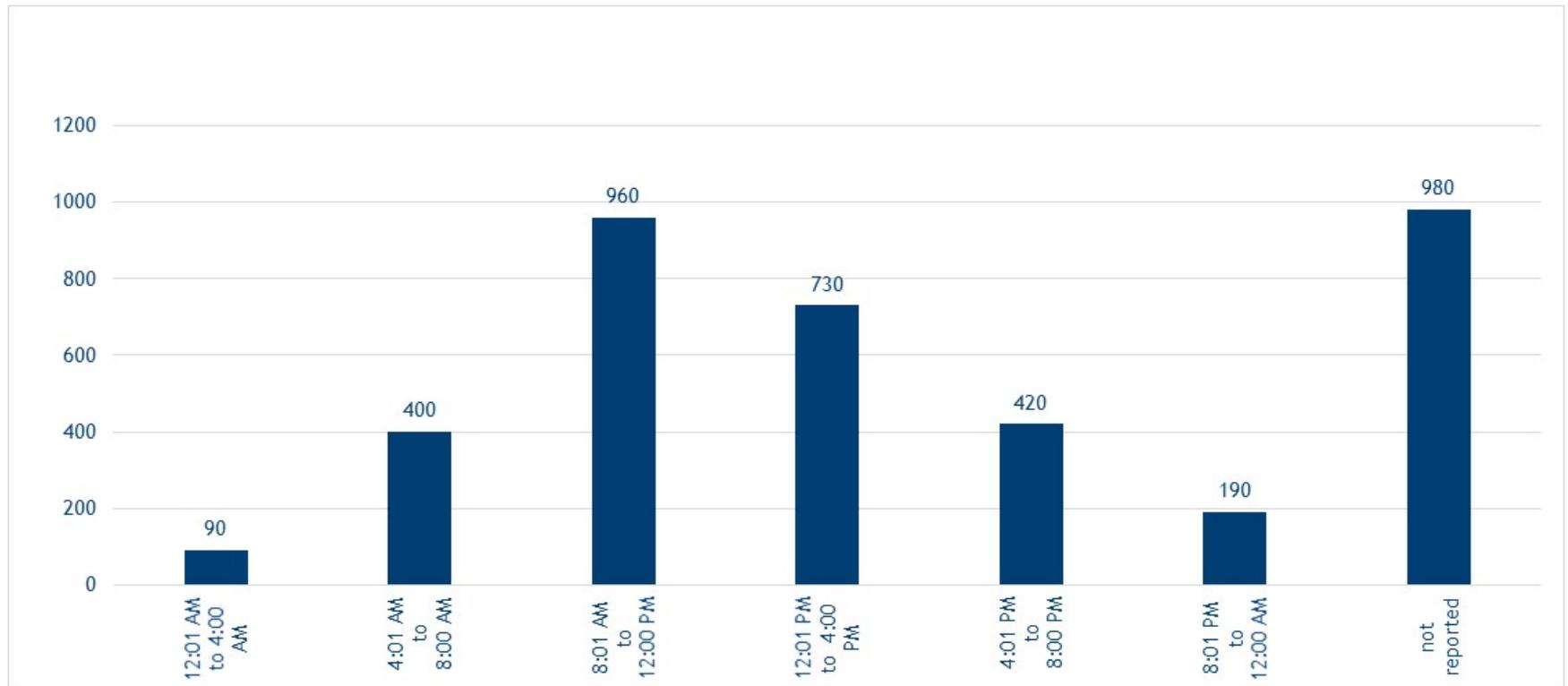
Number of Injuries and Illnesses by Age



Number of Injuries and Illnesses by Day of Week Incident Occurred



Number of Injuries and Illnesses by Time of Incident



Government



Government

Industry	2017 Total recordable cases
All industries including private, state and local government	4.4
Private industry	4.3
State and local government	4.8
State government	3.3
Service-providing	3.3
Educational and health services	4.2
Educational services	3.5
Colleges, universities, and professional schools	3.6
Health care and social assistance	10.4
Public administration	2.4
Justice, public order, and safety activities	2.2
Correctional institutions	-
Local government	5.7
Goods-producing	-
Service-providing	5.7
Utilities	-
Water, sewage and other systems	-
Educational and health services	5.4
Educational services	5.5
Elementary and secondary schools	5.6
Health care and social assistance	3.4
Nursing and residential care facilities	-
Public administration	6.0

Industry	2018 Total recordable cases
All industries including private, state and local government	4.0
Private industry	3.9
State and local government	4.3
State government	2.5
Goods-producing	3.3
Construction	3.3
Heavy and civil engineering construction	3.3
Service-providing	2.4
Educational and health services	2.8
Educational services	2.0
Colleges, universities, and professional schools	1.9
Health care and social assistance	13.2
Public administration	1.8
Local government	5.6
Goods-producing	-
Service-providing	5.6
Educational and health services	5.5
Educational services	5.6
Elementary and secondary schools	5.7
Public administration	5.8



Questions?



CFOI

Census of Fatal Occupational Injuries



CFOI Criteria

- It must have resulted from a traumatic injury
- The incident that led to the death must have occurred in the United States, its territories, or its territorial waters or airspace
- It must be related to work

Type of Worker

- Volunteer
- Good Samaritans
- Undocumented workers
- Former worker returning to work
- Off-duty police
- Flight Students
- Participants in sporting events
- Inmates and institutionalized persons

Type of Incident

- Homicides
- Suicides
- Suicides after homicide
- Drug overdose after an injury at work
- Overexertion
- Complications

Type of Worker Activity

- Illegal activity vs. Unlicensed activity
- Non-work activities at work/ horseplay/ breaks/recreational
- Killed outside of work but motivated by work
- Ceremonial –duty
- Maintaining a work vehicle
- On call
- Secondary incident

Travel Status

- Commuting
- Travel
- Crossing the street

Location

- Employer provided housing
- Home office
- Farms, farm house, hobby farm
- Starts on premises, ends off premises



Worker Activity

Age

Time of Incident

Month of Incident

State of Incident

Gender

Part of Body Race

Hispanic Origin

Contracted NAICS

Independent Worker

Occupation

Source

Secondary Source

Event or Exposure

Industry / NAICS

Day of Incident

Contracted Worker

Contracted Ownership

Birthplace

Nature

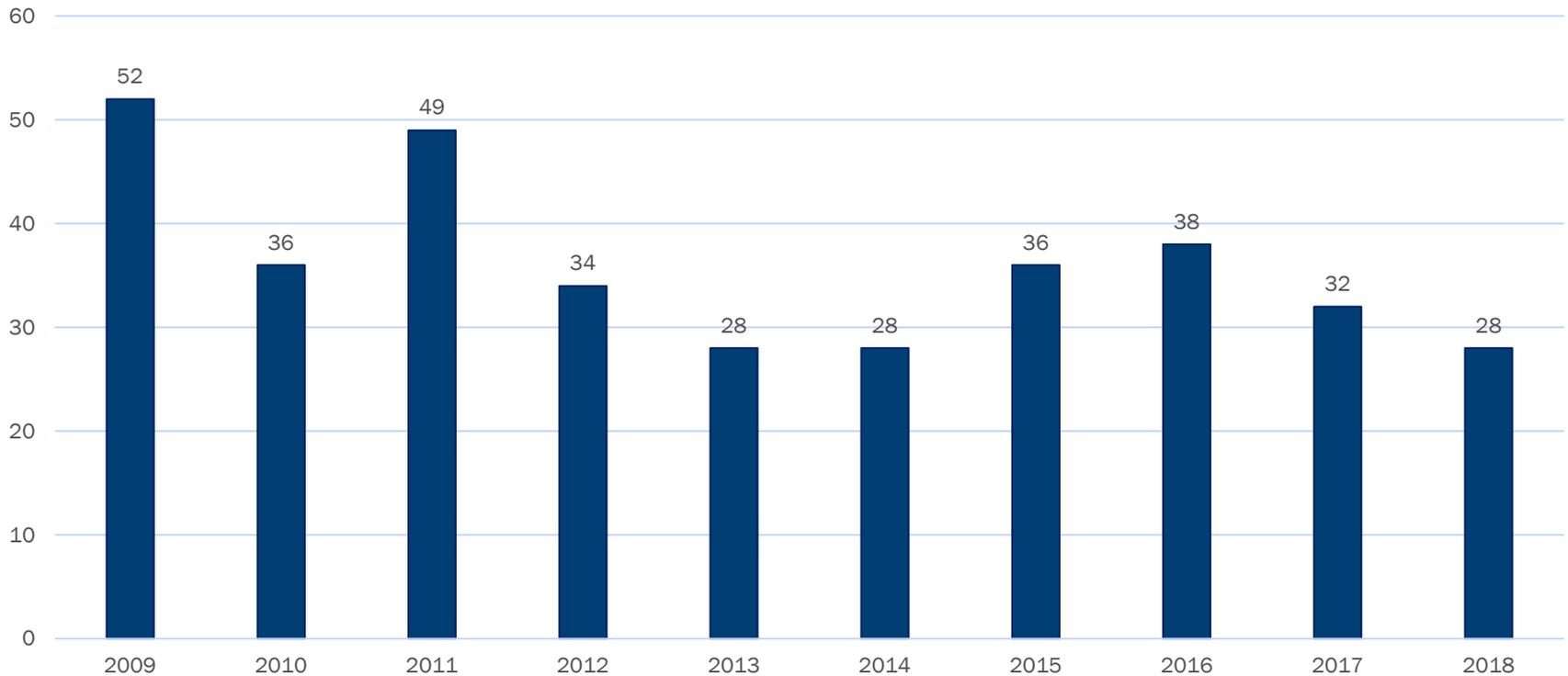
Location

Employee Status



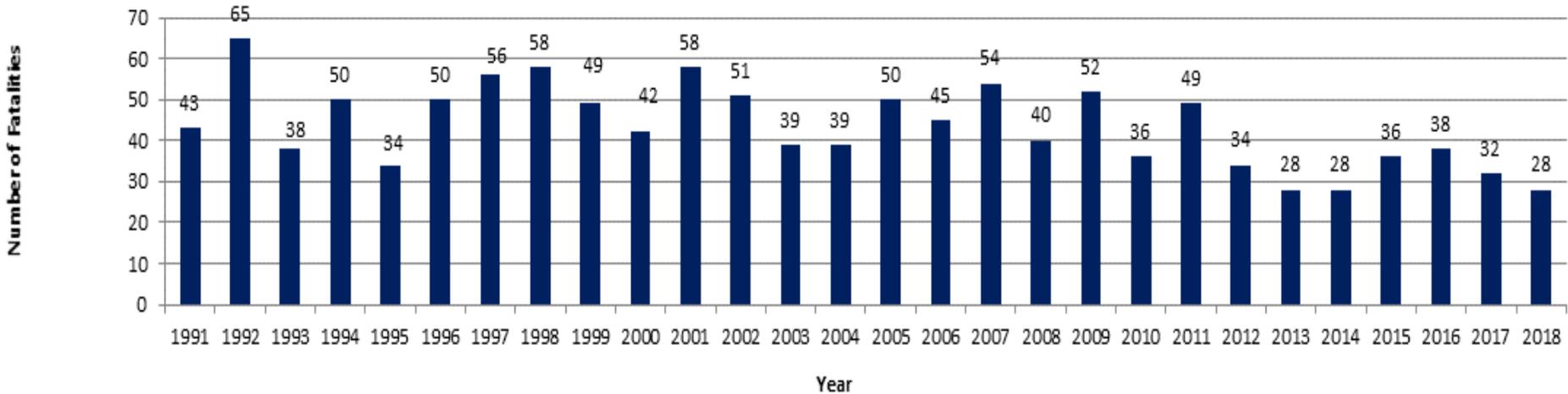
2018 CFOI

Fatal Occupational Injuries in Montana, 2009 - 2018



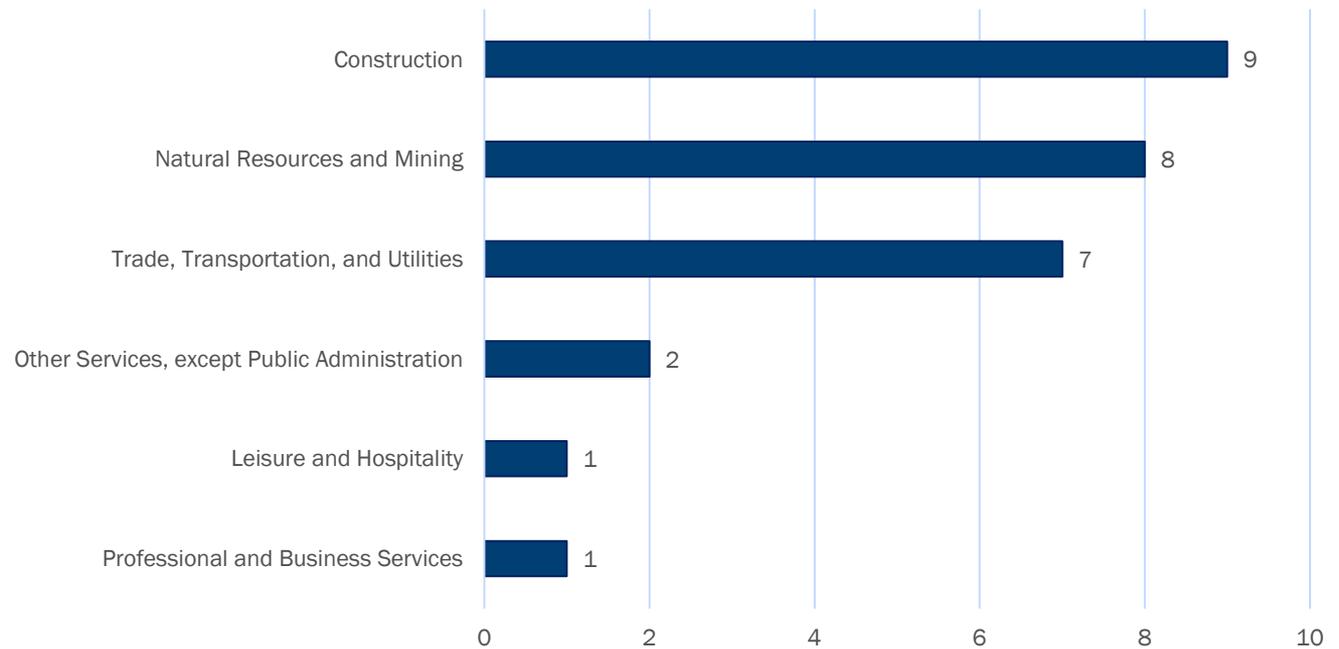
Fatalities per year

Montana Fatal Occupational Injuries



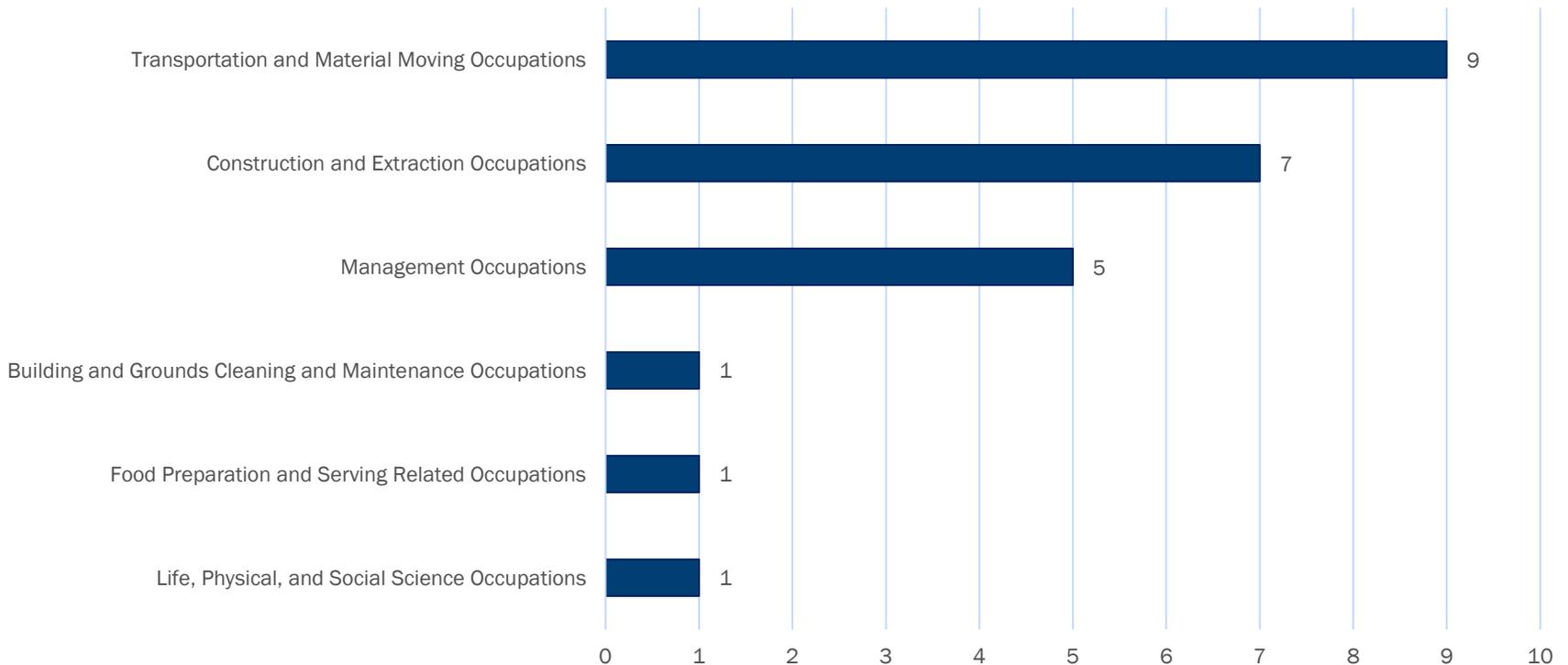
Industry

Fatal Occupational Injuries by Industry



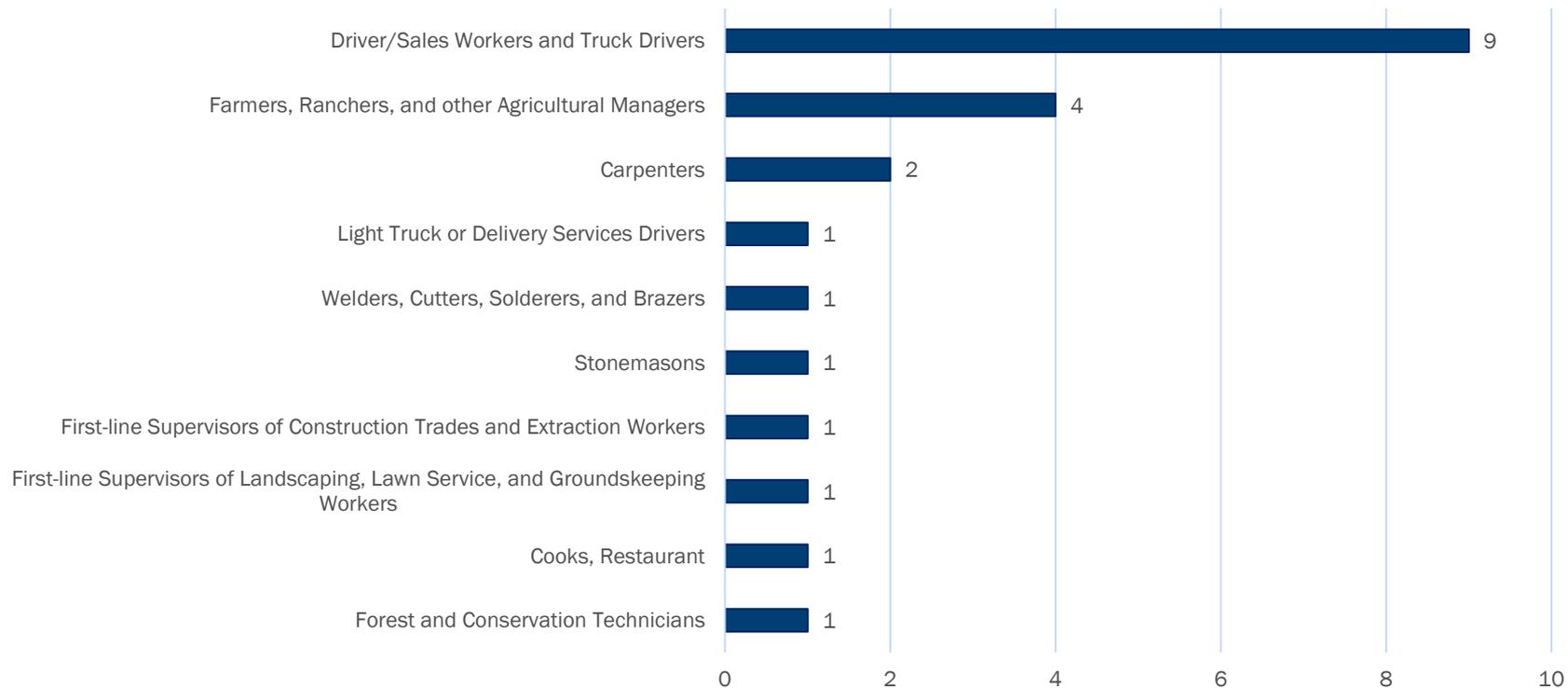
Occupational Group

Fatal Occupational Injuries by Major Occupational Group



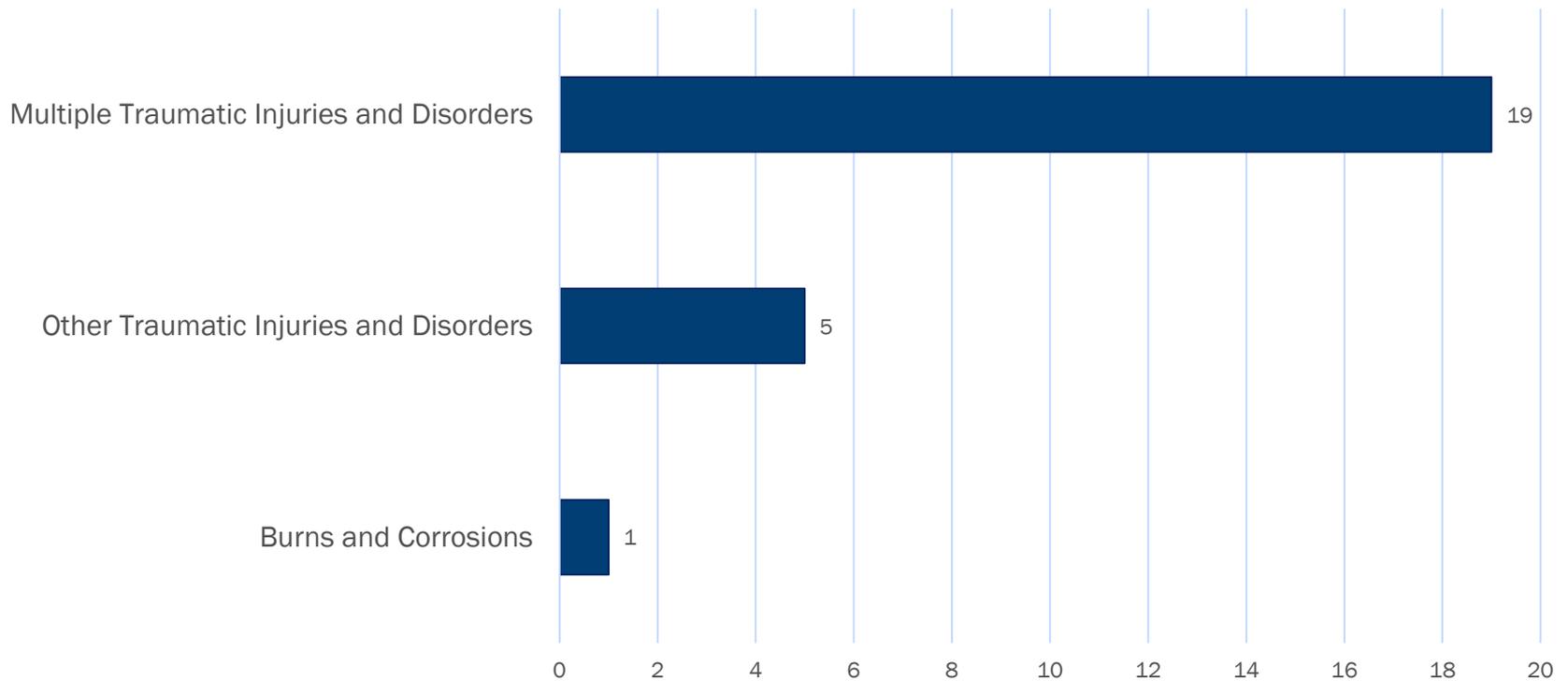
Occupation

Fatal Occupational Injuries by Worker Occupation



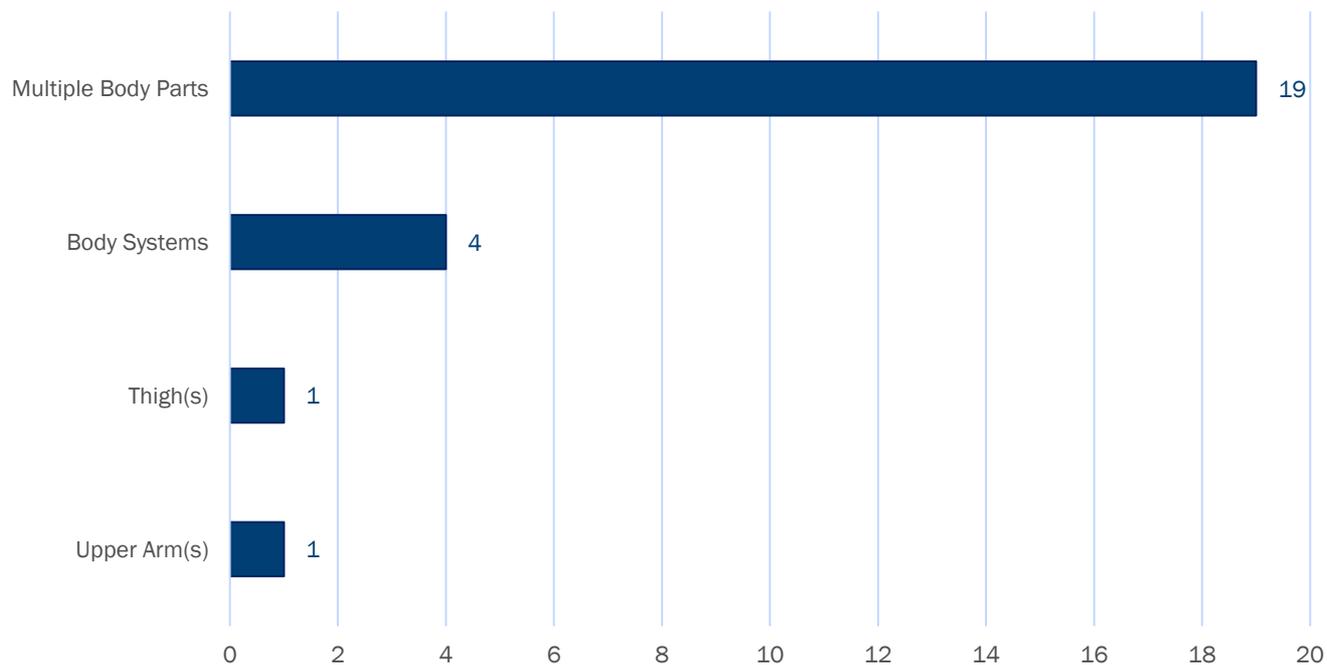
Nature

Fatal Occupational Injuries by Nature



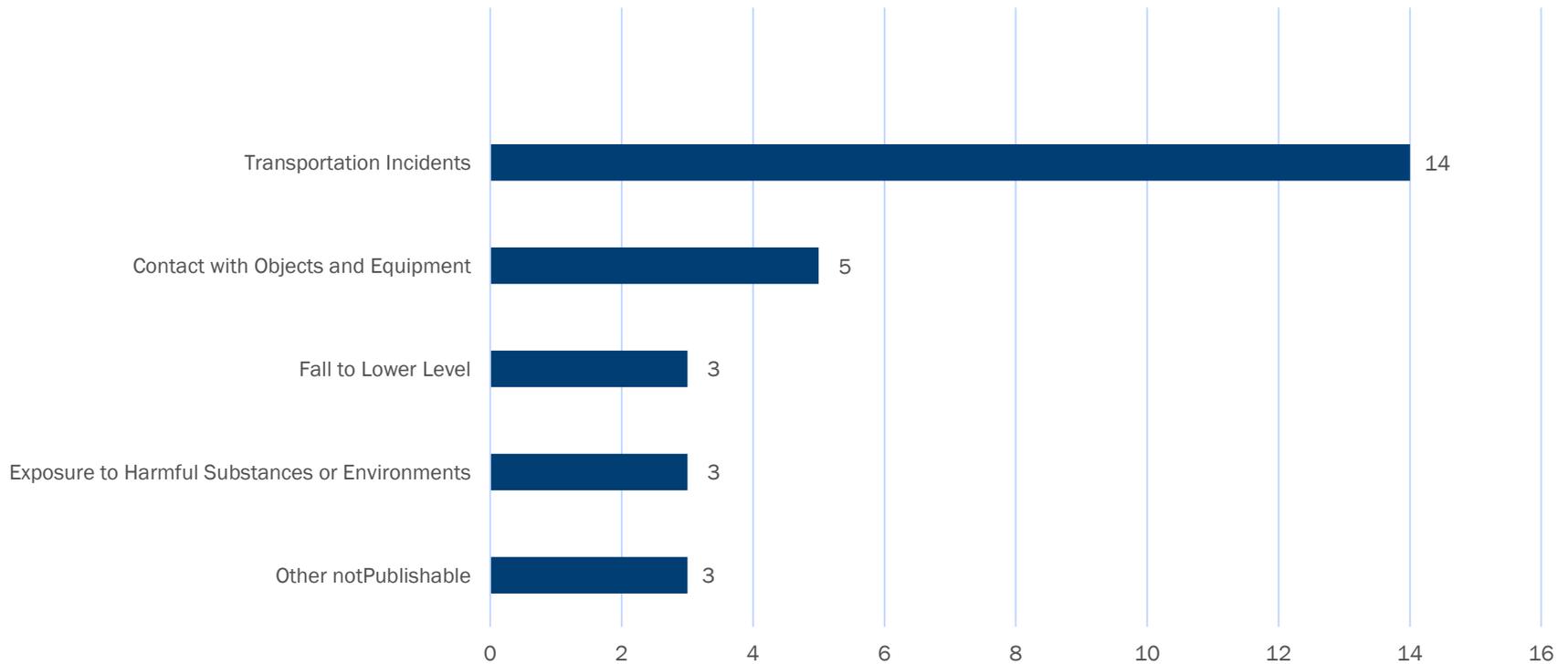
Part

Fatal Occupational Injuries by Part



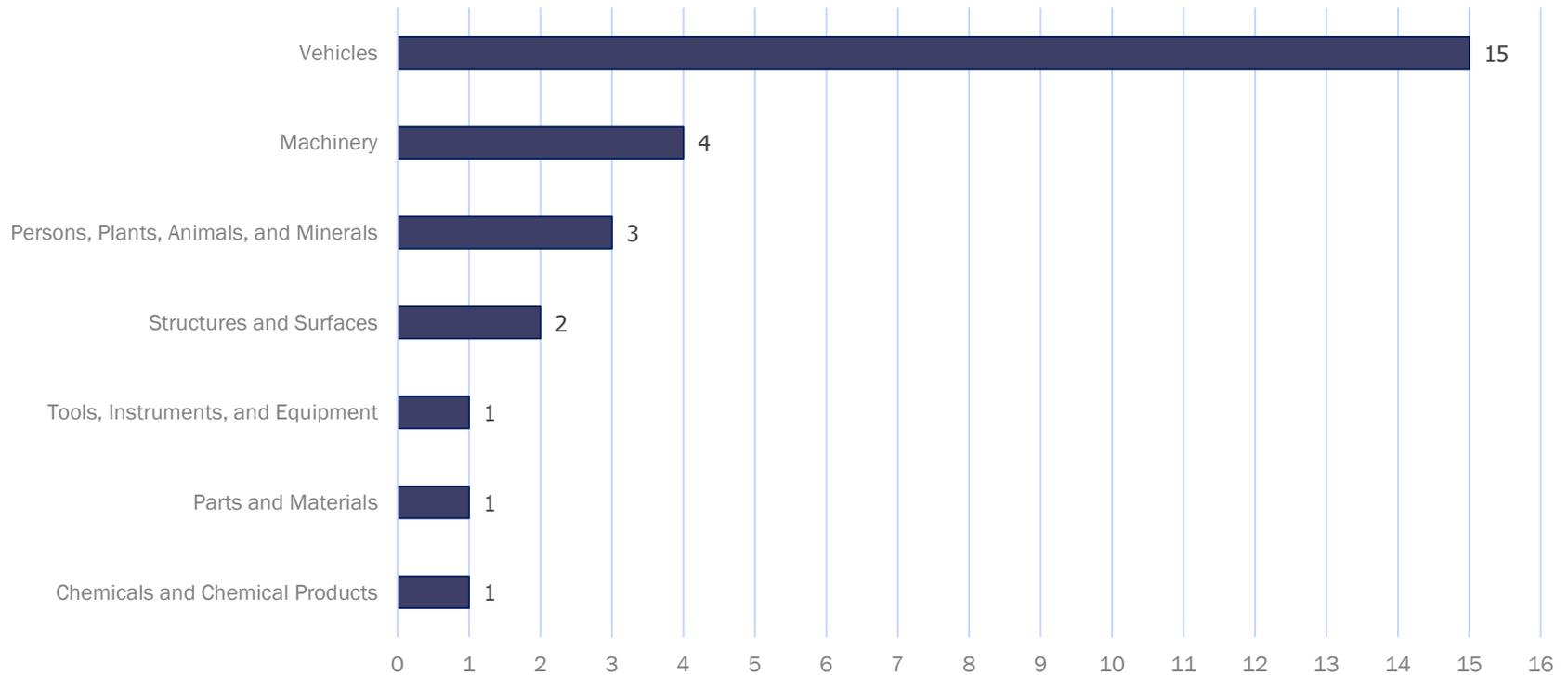
Event

Fatal Occupational Injuries by Event or Exposure



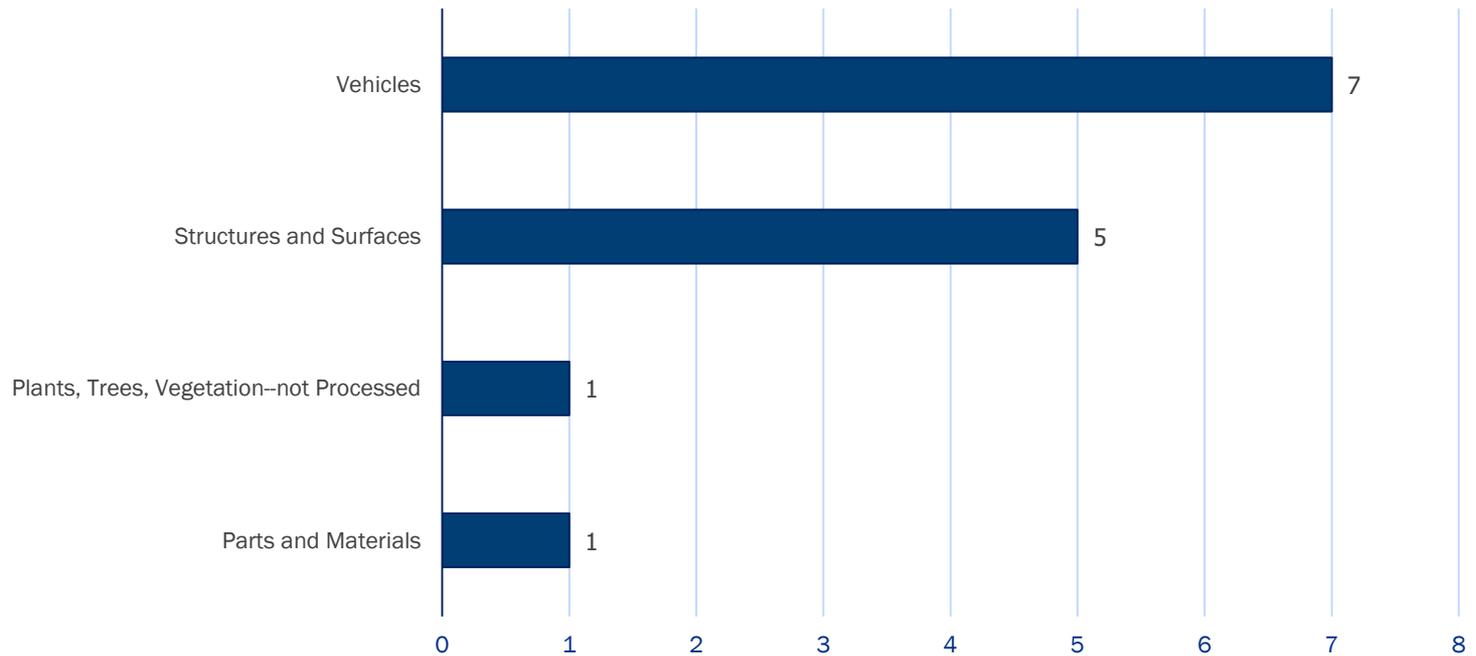
Source

Fatal Occupational Injuries by Source



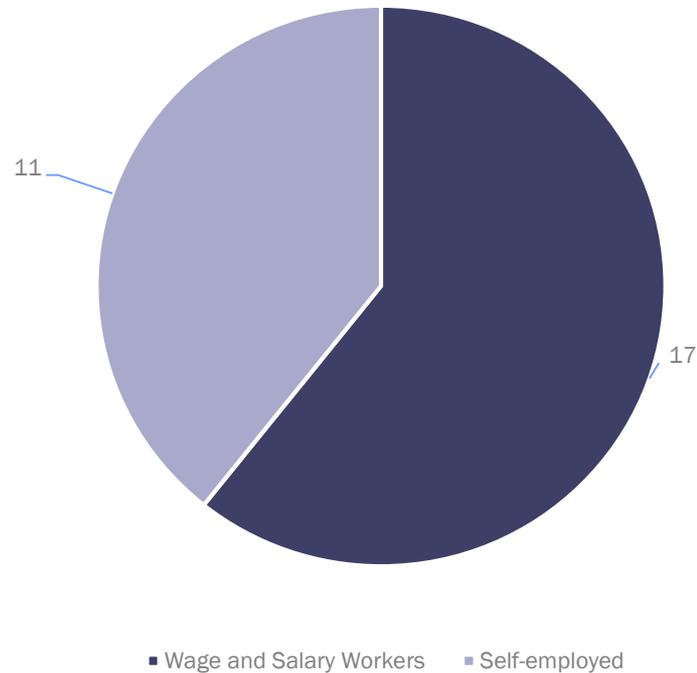
Secondary Source

Fatal Occupational Injuries by Secondary Source



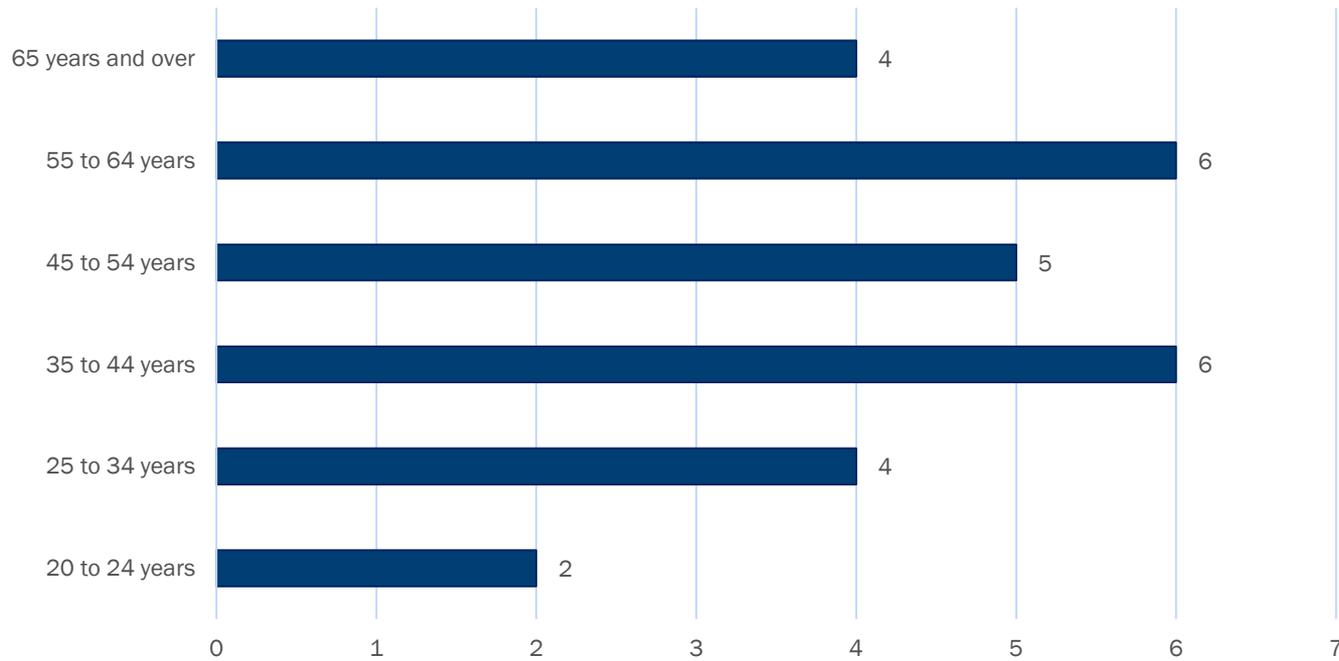
Worker Status

Fatal Occupational Injuries by Worker Status



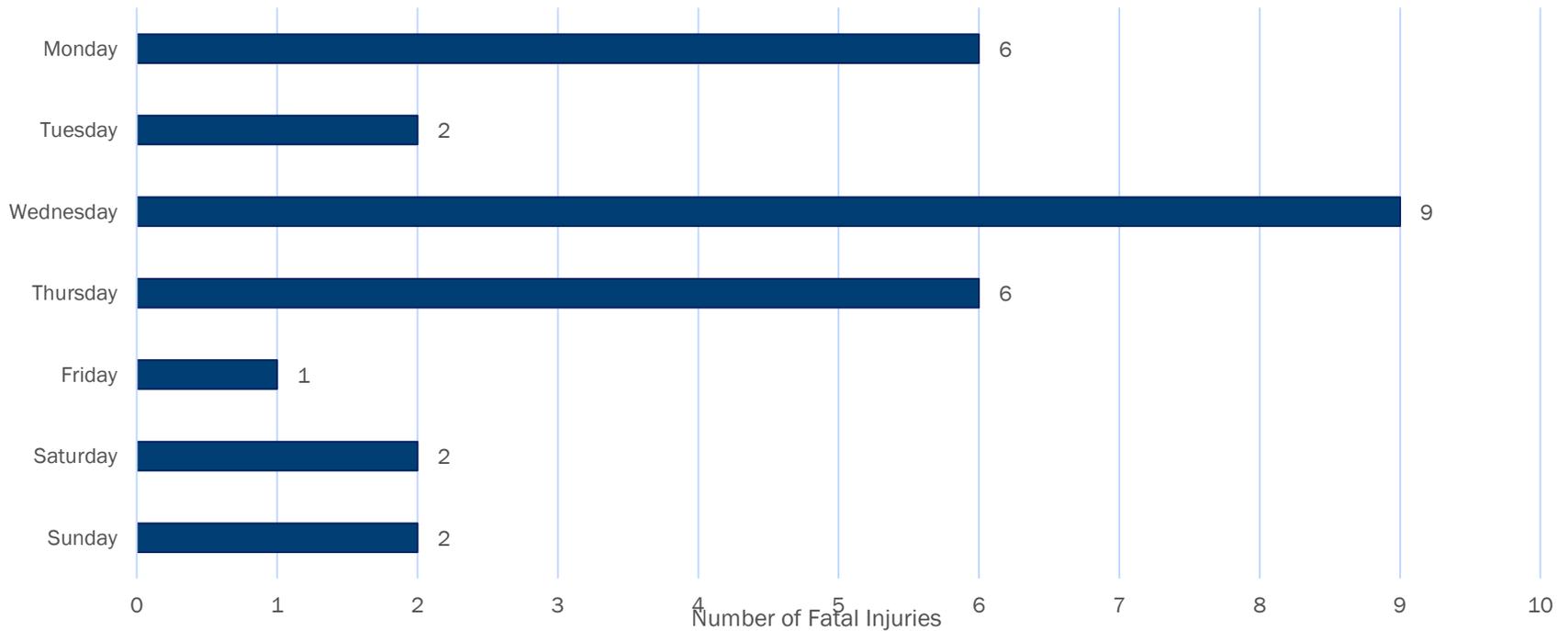
Age

Fatal Occupational Injuries by Age



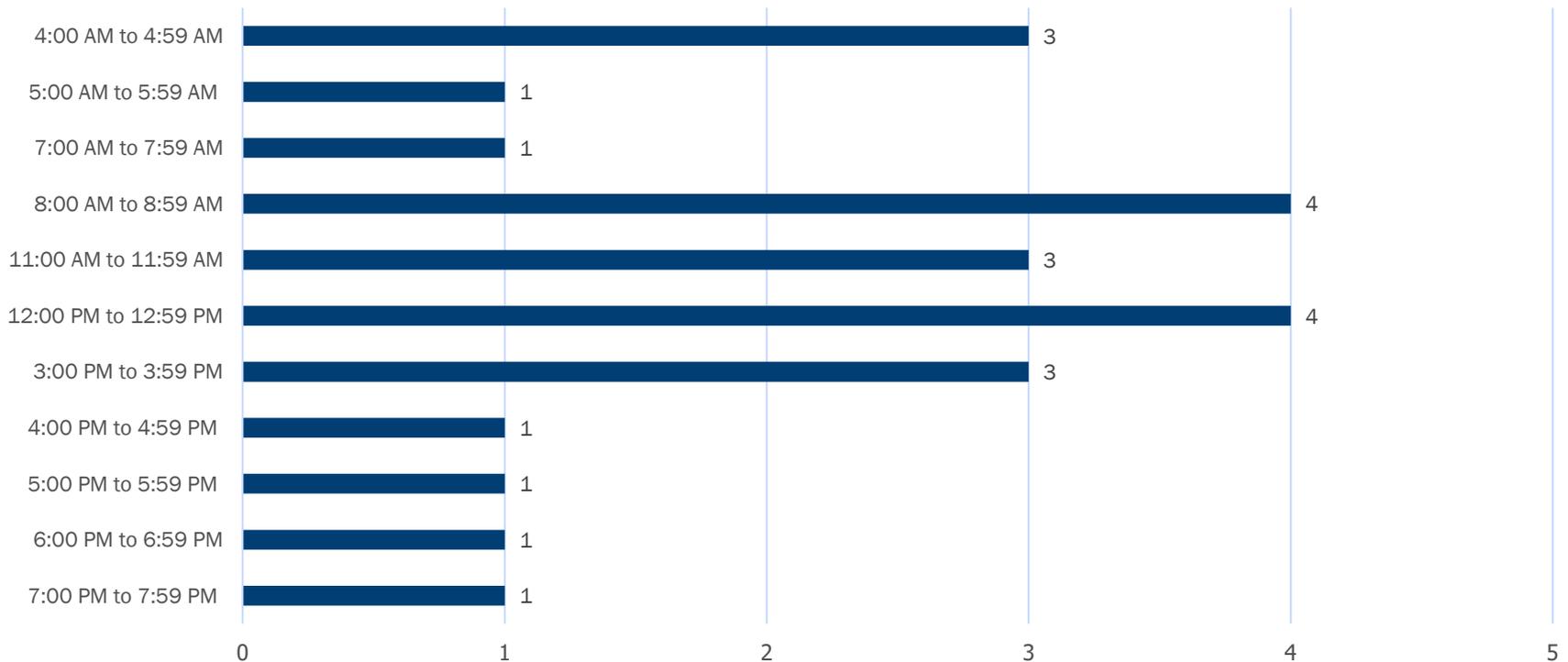
Day

Fatal Occupational Injuries by Day of Week Incident Occurred



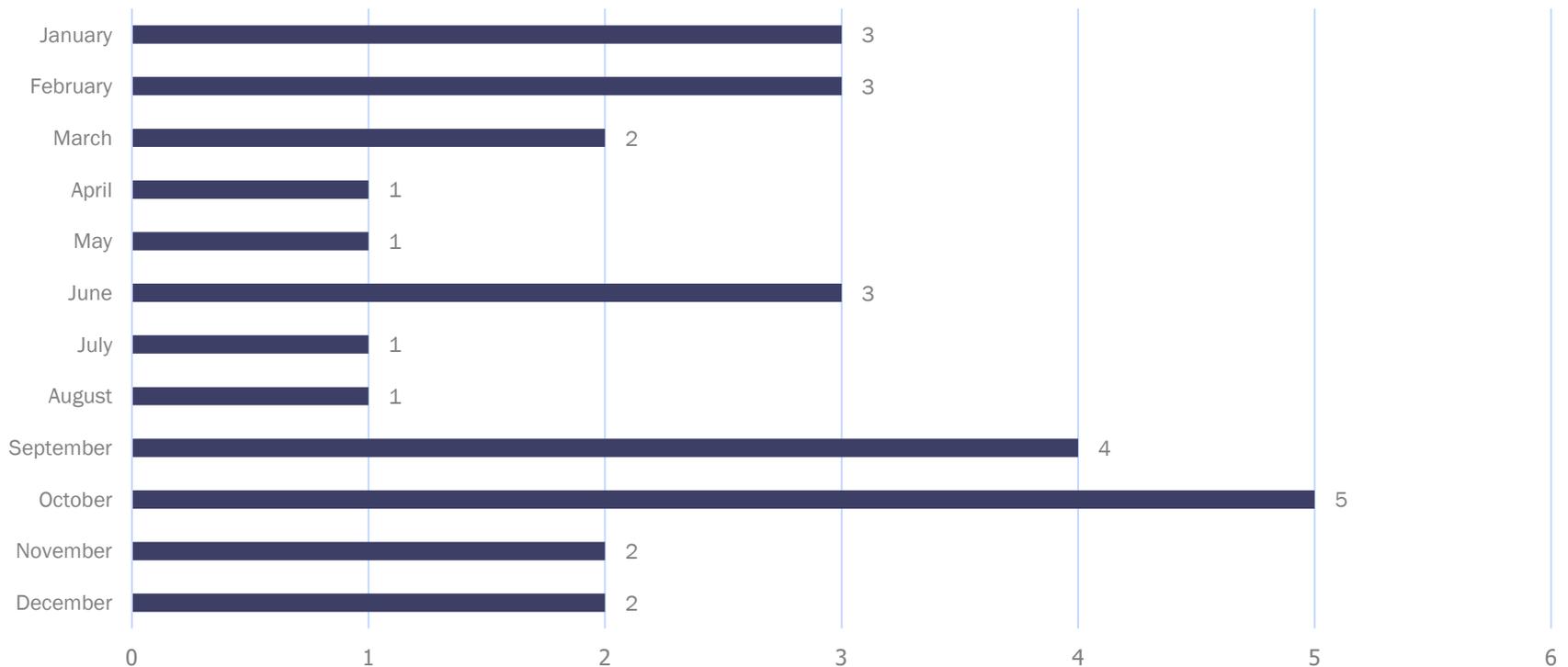
Time

Fatal Occupational Injuries by Time of Incident



Month

Fatal Occupational Injuries by Month of Incident



Fatal Injury Rate

	State	2018 Overall Rate
1	Wyoming	11.5
2	Alaska	9.9
3	North Dakota	9.6
4	West Virginia	7.9
5	South Dakota	6.9
6	Mississippi	6.7
7	Arkansas	6.3
8	Idaho	5.8
9	Indiana	5.6
10	Montana	5.5
11	Oklahoma	5.2
12	Missouri	5.1

	State	2017 Overall Rate
1	Alaska	10.2
2	North Dakota	10.1
3	Wyoming	7.7
4	West Virginia	7.4
5	South Dakota	7.3
6	Vermont	7
7	Montana	6.9
8	Louisiana	6.3
9	Mississippi	6.2
10	Arkansas	6.1
11	Oklahoma	5.5
12	Kansas	5.2

	State	2016 Overall Rate
1	Wyoming	12.3
2	Alaska	10.6
3	Montana	7.9
4	South Dakota	7.5
5	North Dakota	7
6	West Virginia	6.6
7	Mississippi	6.3
8	Nebraska	6.3
9	Oklahoma	5.6
10	Arkansas	5.3
11	Alabama	5.2
12	Kansas	5.2

Fatal injury rate represents the number of fatal occupational injuries per 100,000 full-time equivalent workers





Contact Information

Peggy Coggeshall

406.444.3297

Pcoggeshall@mt.gov

Coggeshall_p@states.bls.gov

<https://www.bls.gov/iif>

<https://www.bls.gov/iif/cfoiscope.htm>