

# INDUSTRIAL COMMISSION OF ARIZONA



## ARIZONA 2019 CENSUS OF FATAL OCCUPATIONAL INJURIES

**Research & Statistics Division**

**Published December 2019**

## INTRODUCTION

The Census of Fatal Occupational Injuries (CFOI) is conducted by the Industrial Commission of Arizona, Research and Statistics Division, in cooperation with the U.S. Department of Labor, and the Bureau of Labor Statistics (BLS).

The CFOI covers all fatal injuries determined to be work-related according to the CFOI criteria, regardless of industry or regulatory coverage of the establishment. Each fatality must be substantiated by at least two independent sources or a source document and a follow-up questionnaire. Source documents can include death certificates, workers' compensation reports, newspaper articles, and medical examiners' reports. Federal agencies, such as the Occupational Safety and Health Administration, Employment Standards Administration, and Mine Safety and Health Administration may also provide data. Overall, the states are responsible for data collection, follow-up, and coding. Approximately 20 data elements, including certain characteristics of the fatally injured person (such as gender, race, and age) are coded for CFOI according to standard instructions.

This is the twenty-seventh year that CFOI data has been collected by all 50 states and the District of Columbia. This information can be used to identify hazardous industries, occupations and activities where fatalities have occurred. It may also assist the identified industries to seek out safer workplace practices that may reduce the type of fatalities listed.

## HIGHLIGHTS OF 2018 RESULTS

The number of work-related deaths in Arizona decreased from 90 in 2017 to 82 in 2018, a decrease of nine percent. The Arizona fatality rate has decreased from 3.0 in 2017 to 2.94 in 2018 for every 100,000 workers in the state's workforce.

Specified in more detail below, the data identifies *Transportation Incidents* as the major cause of work-related fatalities, primarily *Roadway Incidents Involving Motorized Land Vehicles*. The other leading cause of Arizona work-related fatalities in 2018 was *Violence and Other Injuries by Persons or Animals*, primarily *Homicides*.

1. **Transportation Incidents** was the leading cause of occupational deaths in Arizona which resulted in 28 fatalities. Of Arizona's 28 transportation-related occupational deaths in 2018, nine percent were reported as *Roadway Collision with Other Vehicle*, five resulted from *Roadway Collision with Object Other than Vehicle*, and another five resulted from *Pedestrian Vehicular Accident*.

Aircraft Incidents accounted for three percent of all occupational fatalities in 2018 (compared to 4 percent in 2017). Aircraft Incidents include all aircraft that are used for business travel or for transporting work-related supplies.

2. **Violence and Other Injuries by Persons or Animals** was the second leading cause of work-related fatalities, accounting for 24 percent of Arizona's 82 occupational fatalities during 2018. Thirteen of these fatalities were classified as *Shooting by Other Person - Intentional*.
3. **Exposures to Harmful Substances or Environments** was the third leading cause of worker deaths with thirteen fatalities in Arizona.

### **Work-related Fatalities by Worker Characteristics**

- By Gender: Men accounted for 69 of the 82 worker fatalities in 2018.
- By Race/Ethnicity: White (non-Hispanic): 41 fatalities  
Hispanic: 30 fatalities  
Asian (non-Hispanic): 5 fatalities
- By Age: Workers in the 45 to 54 year-old age group experienced the highest number of fatalities with a total of 33 deaths.

### **Work-related Fatalities by Industry**

- Trade, transportation and utilities industry: 30 fatalities
- Construction: 15 fatalities
- Professional and business services: 9 fatalities

### **Work-related Fatalities by Occupation**

- Transportation and material moving occupations experienced the highest number of fatalities with 27.
- Construction and extraction occupations experienced 13 fatalities.
- Production, Sales, Installation, maintenance and repair related occupations experienced 6 fatalities each.

The following graphs and tables provide additional information related to the CFOI and may be viewed and downloaded at [http://www.azica.gov/ADOSH/ADOSH\\_Research\\_Statistics.aspx](http://www.azica.gov/ADOSH/ADOSH_Research_Statistics.aspx):

Fatal Injury Graphs (Set I and II),  
Fatal Injury Data (Tables A1 through A9)

National statistics can be obtained via the Bureau of Labor Statistics website at <http://www.bls.gov/iif/>.

*The Arizona Census of Fatal Occupational Injuries is a cooperative effort with the U.S. Department of Labor's Bureau of Labor Statistics, which recently released its 2018 National Census of Fatal Occupational Injuries. The data provided in this summary is final data for collection year 2018.*