

INDUSTRIAL COMMISSION OF ARIZONA



ARIZONA 2019 CENSUS OF FATAL OCCUPATIONAL INJURIES

Research & Statistics Division

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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-eighth 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 2019 RESULTS

The number of work-related deaths in Arizona increased from 82 in 2018 to 94 in 2019, an increase of eleven percent. The Arizona fatality rate has increased from 2.94 in 2018 to 3.27 in 2019 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 2019 was *Falls, Slips, & Trips* primarily *Falls to Lower Level*.

1. **Transportation Incidents** was the leading cause of occupational deaths in Arizona which resulted in thirty-nine fatalities. Of Arizona's thirty-nine transportation-related occupational deaths in 2019, seventeen percent were reported as *Roadway Collision with Other Vehicle*, and three resulted from *Roadway Collision with Object Other than Vehicle*.

Aircraft Incidents accounted for seven percent of all occupational fatalities in 2019 (compared to three percent in 2018). Aircraft Incidents include all aircraft that are used for business travel or for transporting work-related supplies.

2. **Falls, Slips, & Trips** was the second leading cause of work-related fatalities, accounting for nineteen percent of Arizona's 94 occupational fatalities during 2019. Ten of these fatalities were classified as *Other Fall to Lower Level*.
3. **Violence and Other Injuries by Persons or Animals** was the third leading cause of worker deaths with fourteen fatalities in Arizona.

Work-related Fatalities by Worker Characteristics

- By Gender: Men accounted for 96 of the 94 worker fatalities in 2019.
- By Race/Ethnicity: Hispanic: 39 fatalities
White (non-Hispanic): 36 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 20 deaths.

Work-related Fatalities by Industry

- Construction: 23 fatalities
- Professional and business services: 8 fatalities
- Other services, except public administration: 6 fatalities

Work-related Fatalities by Occupation

- Transportation and material moving occupations experienced the highest number of fatalities with 27.
- Construction and extraction occupations experienced 20 fatalities.
- Installation, maintenance and repair related occupations experienced 12 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:

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 2019 National Census of Fatal Occupational Injuries. The data provided in this summary is final data for collection year 2019.