

**CENSUS OF FATAL OCCUPATIONAL INJURIES  
ARIZONA, 2006**

**INDUSTRIAL COMMISSION OF ARIZONA**

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**LYNN MULLICAN, MANAGER  
Patsy Verduzco, Research & Statistical Analyst  
Giovanna Nicastro, Research & Statistical Analyst  
Stephanie Abrigo, Research & Statistical Analyst**

**PO Box 19070  
Phoenix, AZ 85005  
(602) 542-3739**

**October, 2006**

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## INTRODUCTION

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

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 two independent sources or a source document and a follow-up questionnaire. Source documents can include death certificates, workers compensation reports, newspaper articles, medical examiners' reports, etc. Federal agencies such as the Occupational Safety and Health Administration, Employment Standards Administration, and Mine Safety and Health Administration also provide data. States are responsible for data collection follow-up and coding. About 20 data elements, including certain characteristics of the fatally injured person (for example, age, gender, race) are coded for CFOI according to standard instructions.

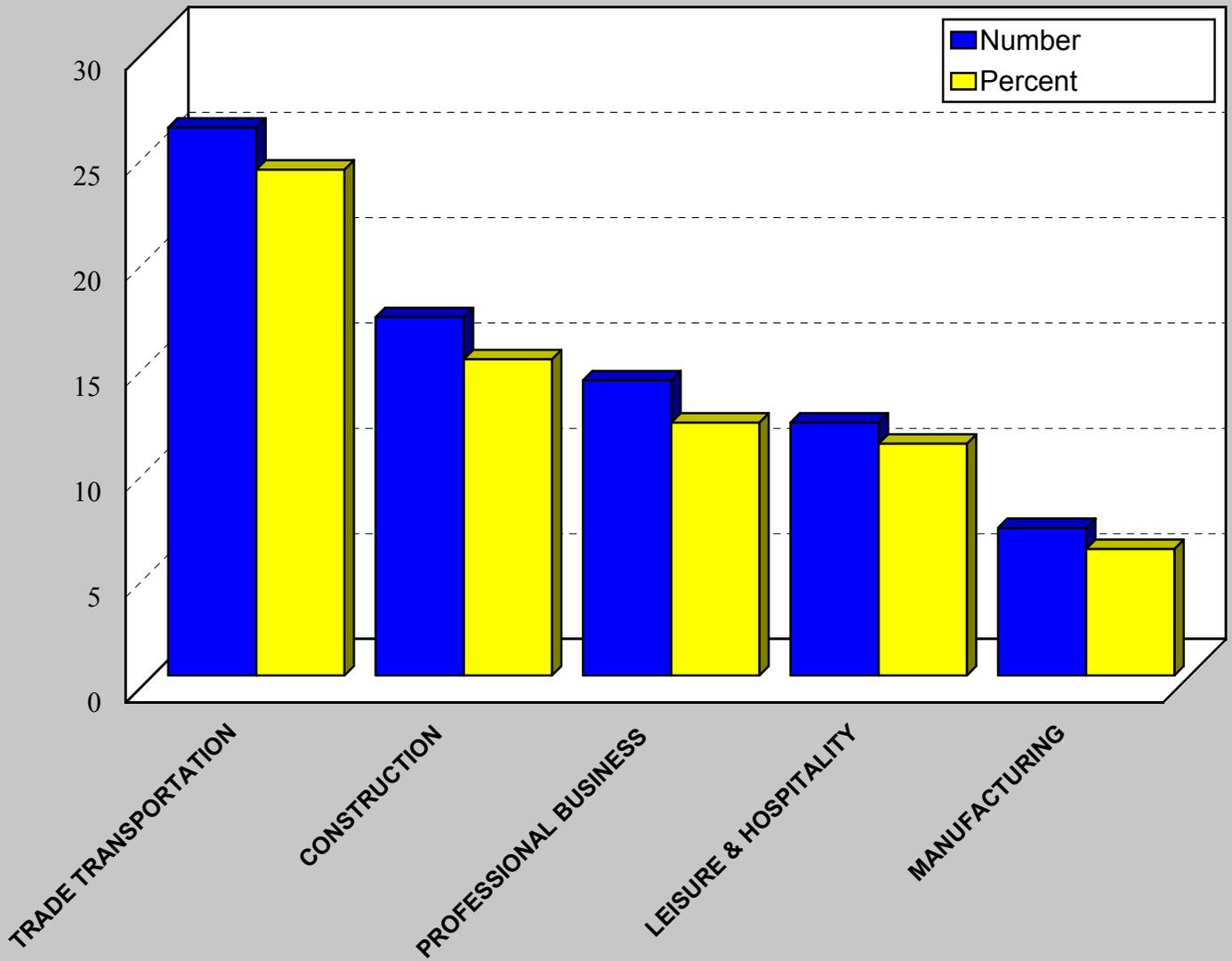
This is the fourteenth year that CFOI data has been collected by all 50 states and the District of Columbia. This information can be used to identify hazardous industries, occupations and activities. It can also assist in developing safer workplaces and preventing fatal injuries.

**Note on industry and occupation classifications:** Beginning with the 2003 reference year, CFOI began using the 2002 North American Industry Classification System (NAICS) for industries and the Standard Occupational Classification system (SOC) for occupations. Before 2003, the program used the Standard Industrial Classification (SIC) system and the Bureau of Census occupational system. Because of the substantial differences between the current and the previous systems, the results by industry and occupation in 2003 constitute a break in series, and users are advised against making comparisons between the 2003 industry and occupation categories and the results for previous years.

## HIGHLIGHTS OF RESULTS

- **There were 108 fatal occupational injuries in Arizona during 2006. This was a 9 percent increase over last year's 99. The Trade, Transportation & Utilities industry was the leading industry division with 26 cases. Construction accounted for another 17 cases in 2006, making these two divisions account for 39 percent of the total cases. (See Chart 1)**
- **The occupation group that accounted for most cases in 2006 was Transportation and Material Moving with 28 cases or 25 percent. (See Chart 2) Construction and Extraction occupations accounted for 20 cases or 18 percent. Protective Service occupations had 10 cases or 9 percent of the total cases for 2006.**
- **Vehicular and Transportation operations accounted for over 48 percent of the total fatalities in 2006. Constructing, repairing, and cleaning accounted for another 16 percent. (See Chart 3).**
- **Multiple traumatic injuries were the leading nature of death with 40 percent. Other traumatic injuries followed with 20 percent. (See chart 4)**
- **Over 43 percent of the cases affected multiple body parts (47 cases). The head was second with 23 percent. (See Chart 5)**
- **Vehicles (50 cases) and highway vehicles (38 cases) accounted for 81 percent of the total fatal occupational injuries in 2006. (See Chart 6)**
- **Transportation incidents with 53 cases were the leading event for fatalities in 2006. Highway Incidents, 32 cases, and Assaults and Violent Acts, with 18 cases, accounted for another 46 percent. (See Chart 7)**
- **Workers between the ages of 45-54 (31 cases) suffered the most fatalities during 2006. Another 23 percent affected those workers between the ages of 35-44. (See Chart 8)**
- **Women workers accounted for 12 percent of all fatal occupational injuries in Arizona during 2006. (See Chart 9)**
- **More fatalities occurred on streets and highways in 2006 with 40 percent of the cases. Other places and premises had 22 cases. (See Chart 10)**
- **Hispanic workers accounted for 32 percent of the cases in 2006. (See chart 11)**

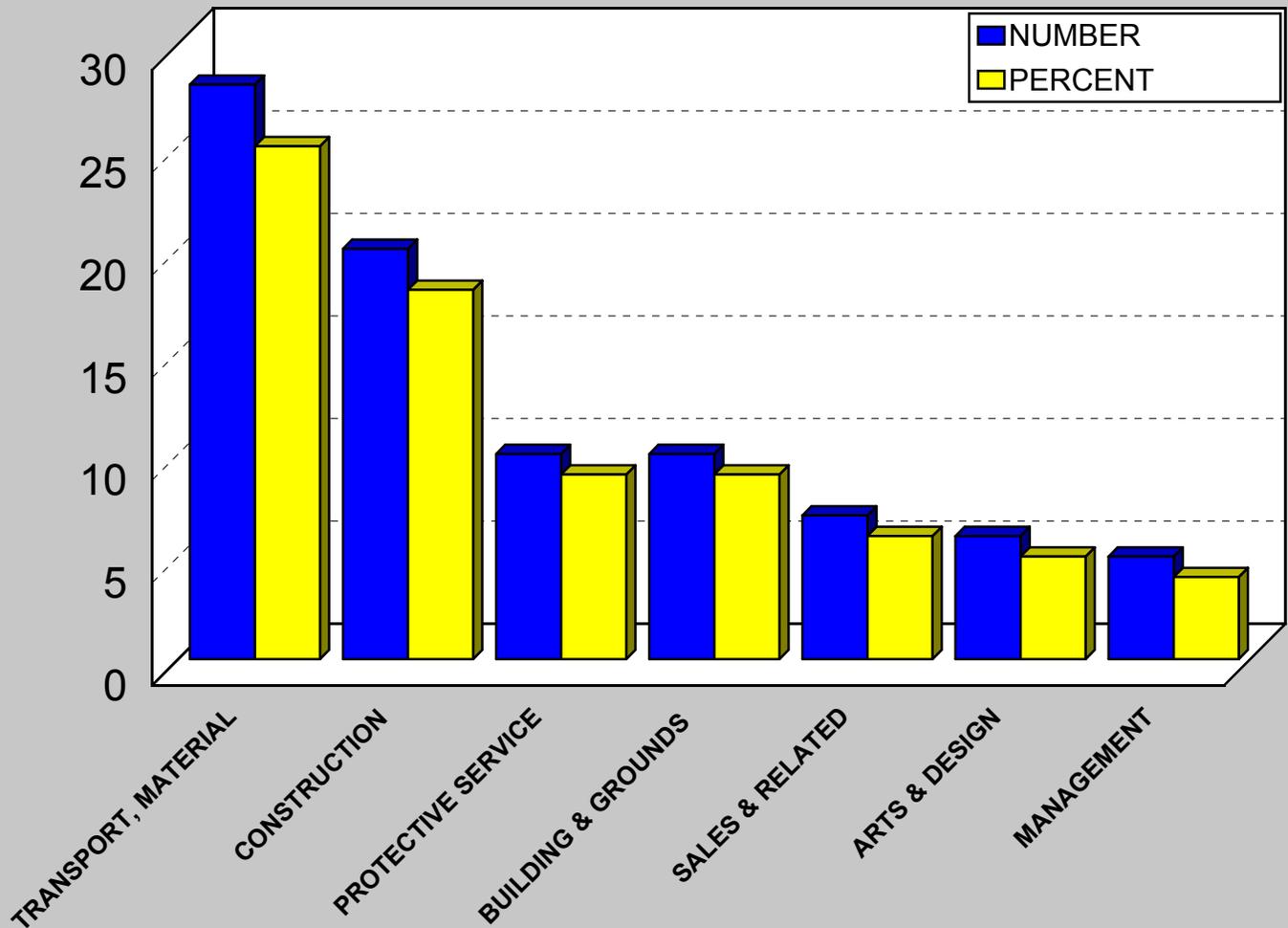
**CHART 1. DISTRIBUTION OF FATAL INJURIES BY INDUSTRY DIVISION  
ARIZONA, 2006**



| INDUSTRY DIVISION     | NUMBER | PERCENT |
|-----------------------|--------|---------|
| TRADE TRANSPORTATION  | 26     | 24.0    |
| CONSTRUCTION          | 17     | 15.0    |
| PROFESSIONAL BUSINESS | 14     | 12.0    |
| LEISURE & HOSPITALITY | 12     | 11.0    |
| MANUFACTURING         | 7      | 6.0     |

SOURCE: CENSUS OF FATAL OCCUPATIONAL INJURIES, INDUSTRIAL COMMISSION OF ARIZONA

**CHART 2. DISTRIBUTION OF FATAL OCCUPATIONAL INJURIES BY MAJOR OCCUPATION GROUP  
ARIZONA, 2006**

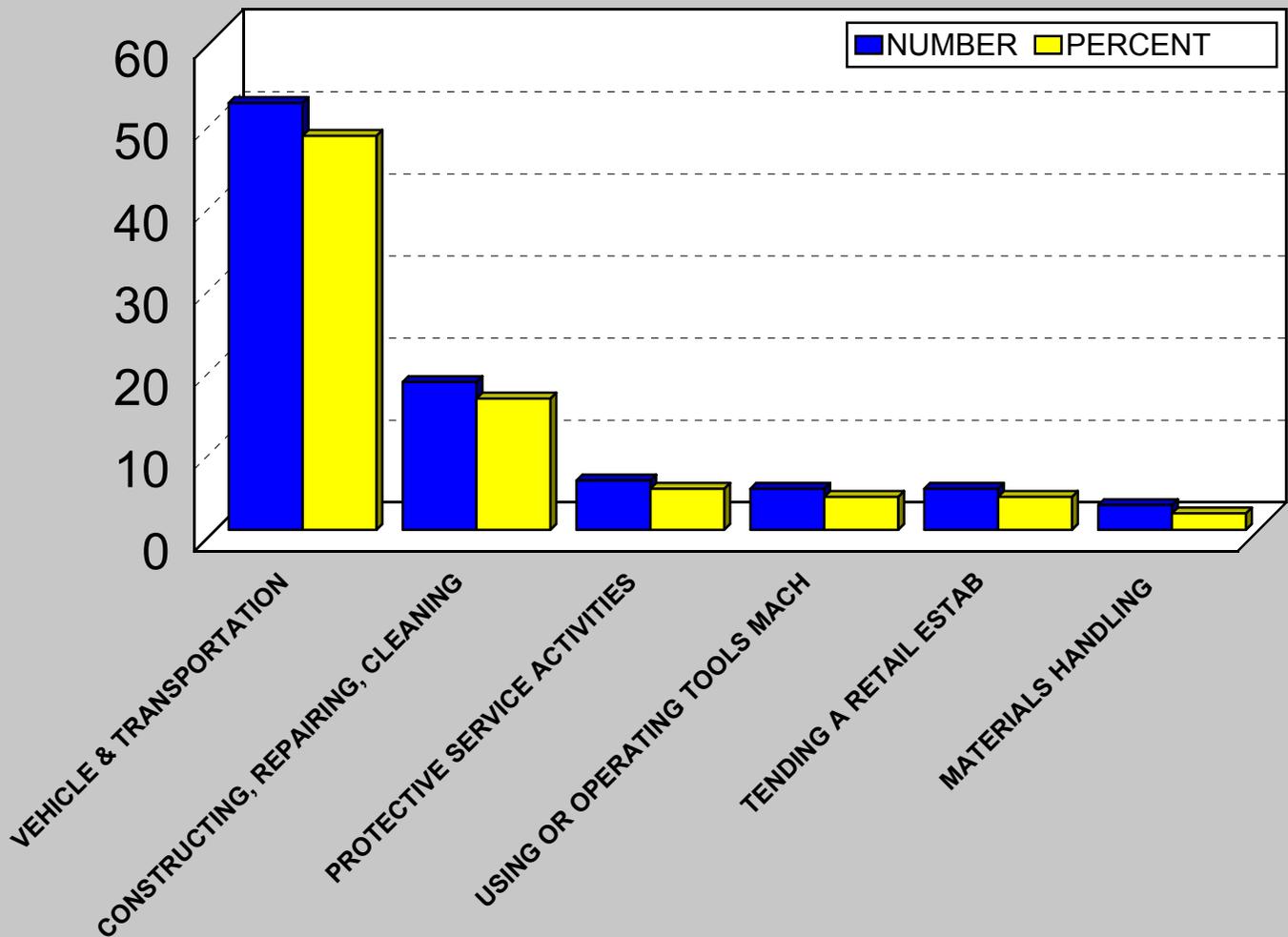


| OCCUPATION GROUP                            | NUMBER | PERCENT |
|---|--------|---------|
| TRANSPORTATION & MATERIAL MOVING            | 28     | 25.0    |
| CONSTRUCTION & EXTRACTION                   | 20     | 18.0    |
| PROTECTIVE SERVICE                          | 10     | 9.0     |
| BUILDING & GROUNDS CLEANING & MAINTENANCE   | 10     | 9.0     |
| SALES & RELATED                             | 7      | 6.0     |
| ARTS, DESIGN, ENTERTAINMENT, SPORTS & MEDIA | 6      | 5.0     |
| MANAGEMENT                                  | 5      | 4.0     |

SOURCE: CENSUS OF FATAL OCCUPATIONAL INJURIES, INDUSTRIAL COMMISSION OF ARIZONA

**CHART 3. DISTRIBUTION OF FATAL OCCUPATIONAL INJURIES BY WORKER ACTIVITY**

**ARIZONA, 2006**

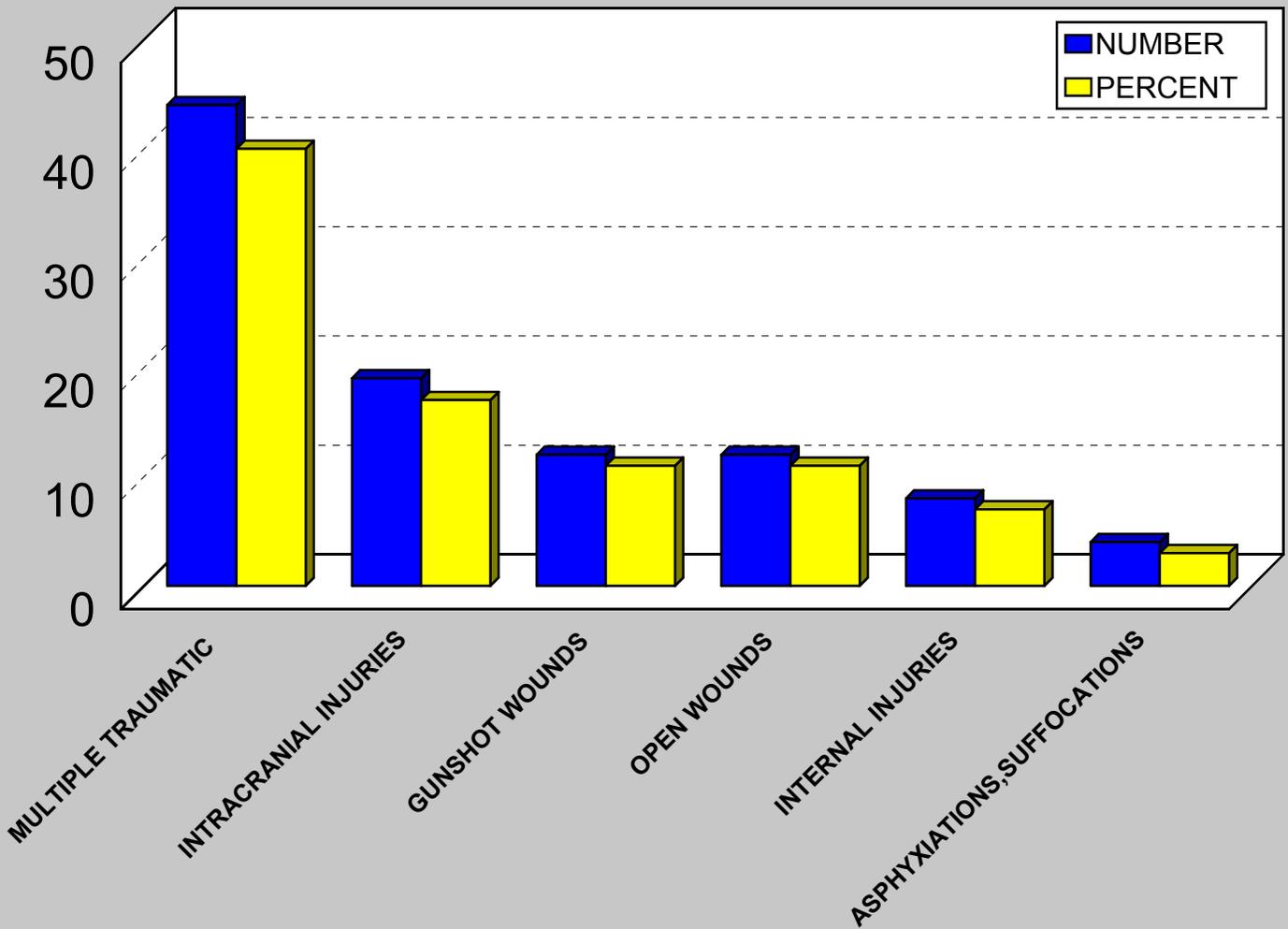


| COUNTY                               | NUMBER | PERCENT |
|--------------------------------------|--------|---------|
| VEHICULAR & TRANSPORTATION OPERATION | 52     | 48.0    |
| CONSTRUCTING, REPAIRING, CLEANING    | 18     | 16.0    |
| PROTECTIVE SERVICE ACTIVITIES        | 6      | 5.0     |
| USING OR OPERATING TOOLS MACHINERY   | 5      | 4.0     |
| TENDING A RETAIL ESTABLISHMENT       | 5      | 4.0     |
| MATERIALS HANDLING OPERATIONS        | 3      | 2.0     |

SOURCE: CENSUS OF FATAL OCCUPATIONAL INJURIES, INDUSTRIAL COMMISSION OF ARIZONA

**CHART 4. DISTRIBUTION OF FATAL OCCUPATIONAL INJURIES BY NATURE OF INJURY**

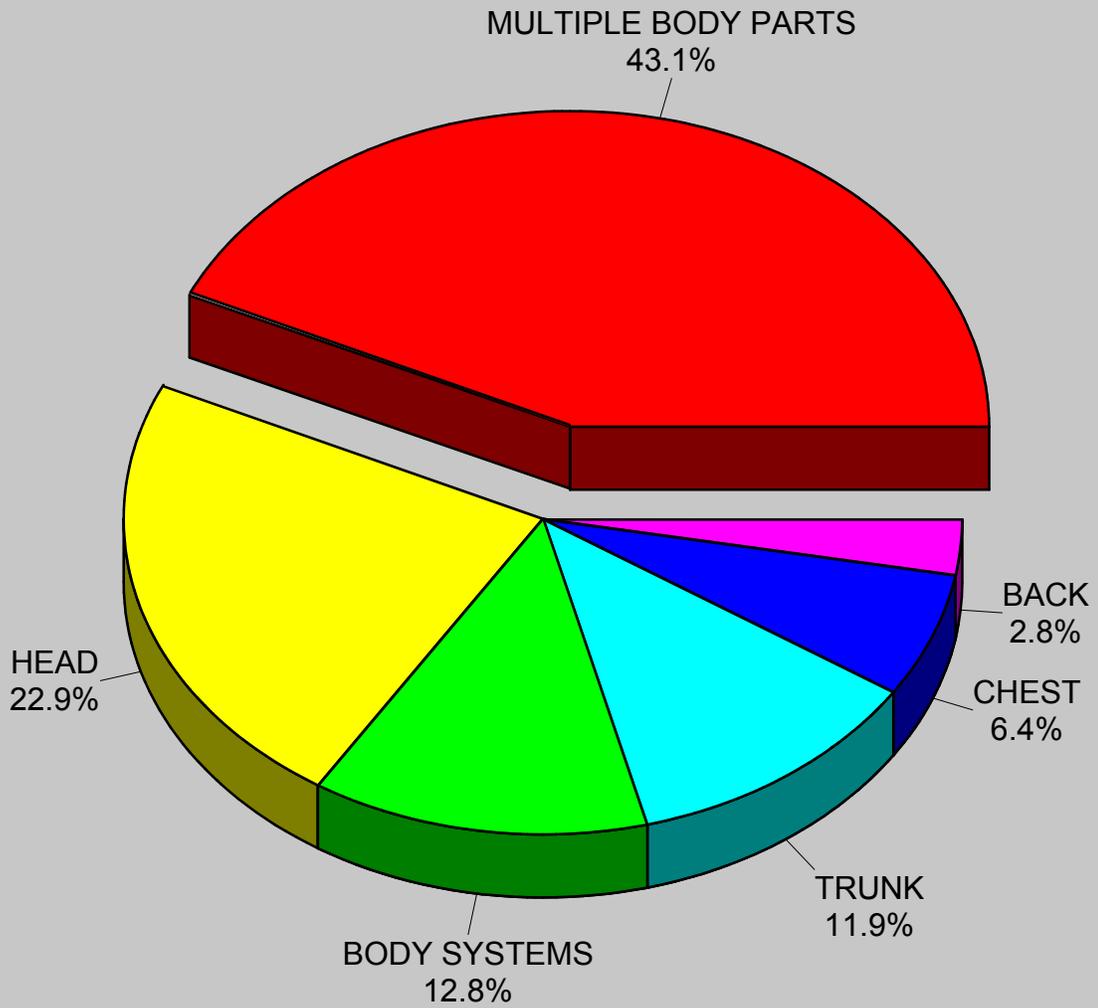
**ARIZONA, 2006**



| NATURE                     | NUMBER | PERCENT |
|----------------------------|--------|---------|
| MULTIPLE TRAUMATIC         | 44     | 40.0    |
| OTHER TRAUMATIC INJURIES   | 22     | 20.0    |
| INTRACRANIAL INJURIES      | 19     | 17.0    |
| GUNSHOT WOUNDS             | 12     | 11.0    |
| OPEN WOUNDS                | 12     | 11.0    |
| INTERNAL INJURIES          | 8      | 7.0     |
| ASPHYXIATIONS,SUFFOCATIONS | 4      | 3.0     |

SOURCE: CENSUS OF FATAL OCCUPATIONAL INJURIES, INDUSTRIAL COMMISSION OF ARIZONA

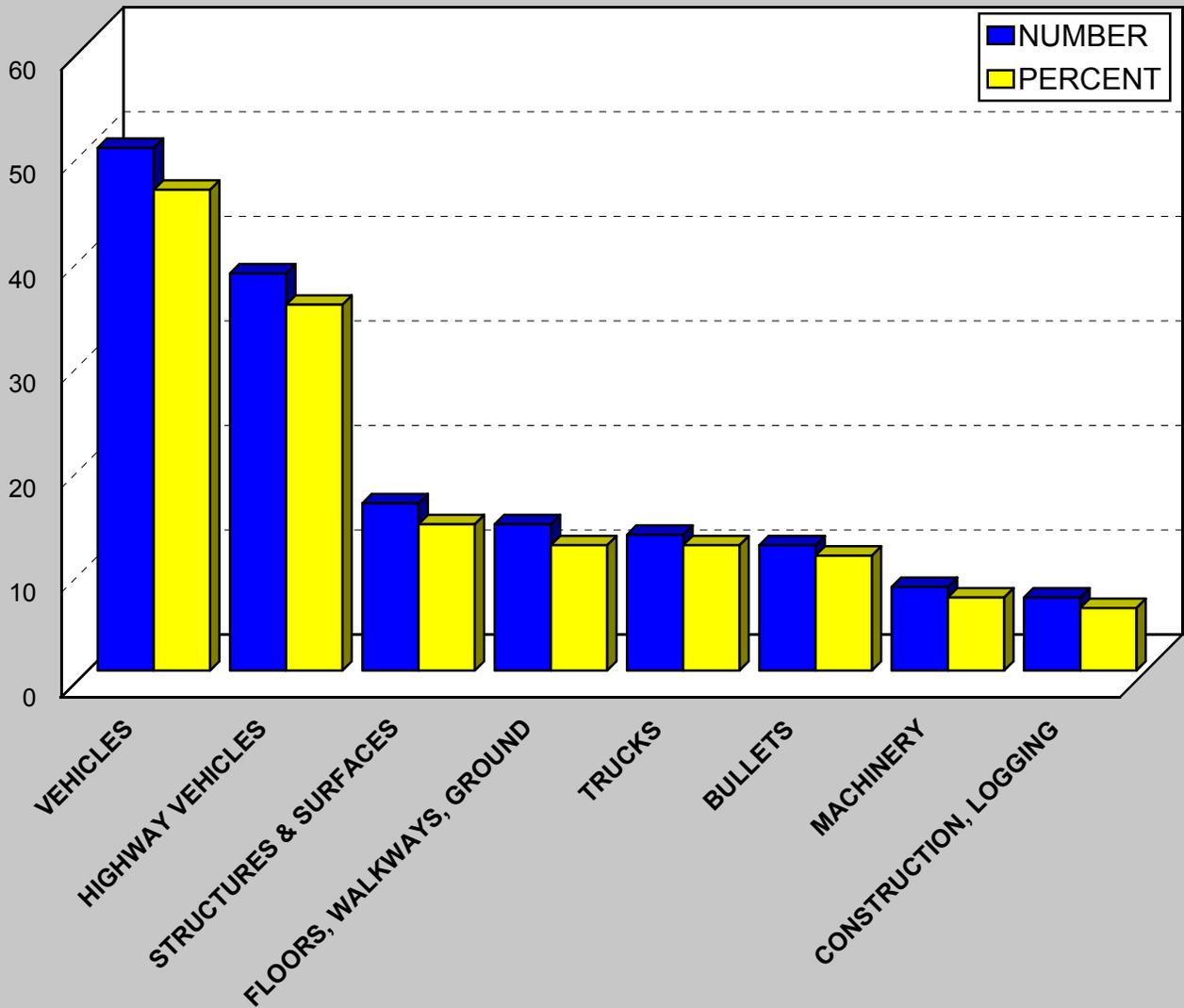
**CHART 5. DISTRIBUTION OF FATAL OCCUPATIONAL INJURIES BY PART OF BODY  
ARIZONA, 2006**



| PART OF BODY        | NUMBER | PERCENT |
|---------------------|--------|---------|
| MULTIPLE BODY PARTS | 47     | 43.0    |
| HEAD                | 25     | 23.0    |
| BODY SYSTEMS        | 14     | 12.0    |
| TRUNK               | 13     | 12.0    |
| CHEST               | 7      | 6.0     |
| BACK                | 3      | 2.0     |

SOURCE: CENSUS OF FATAL OCCUPATIONAL INJURIES, INDUSTRIAL COMMISSION OF ARIZONA

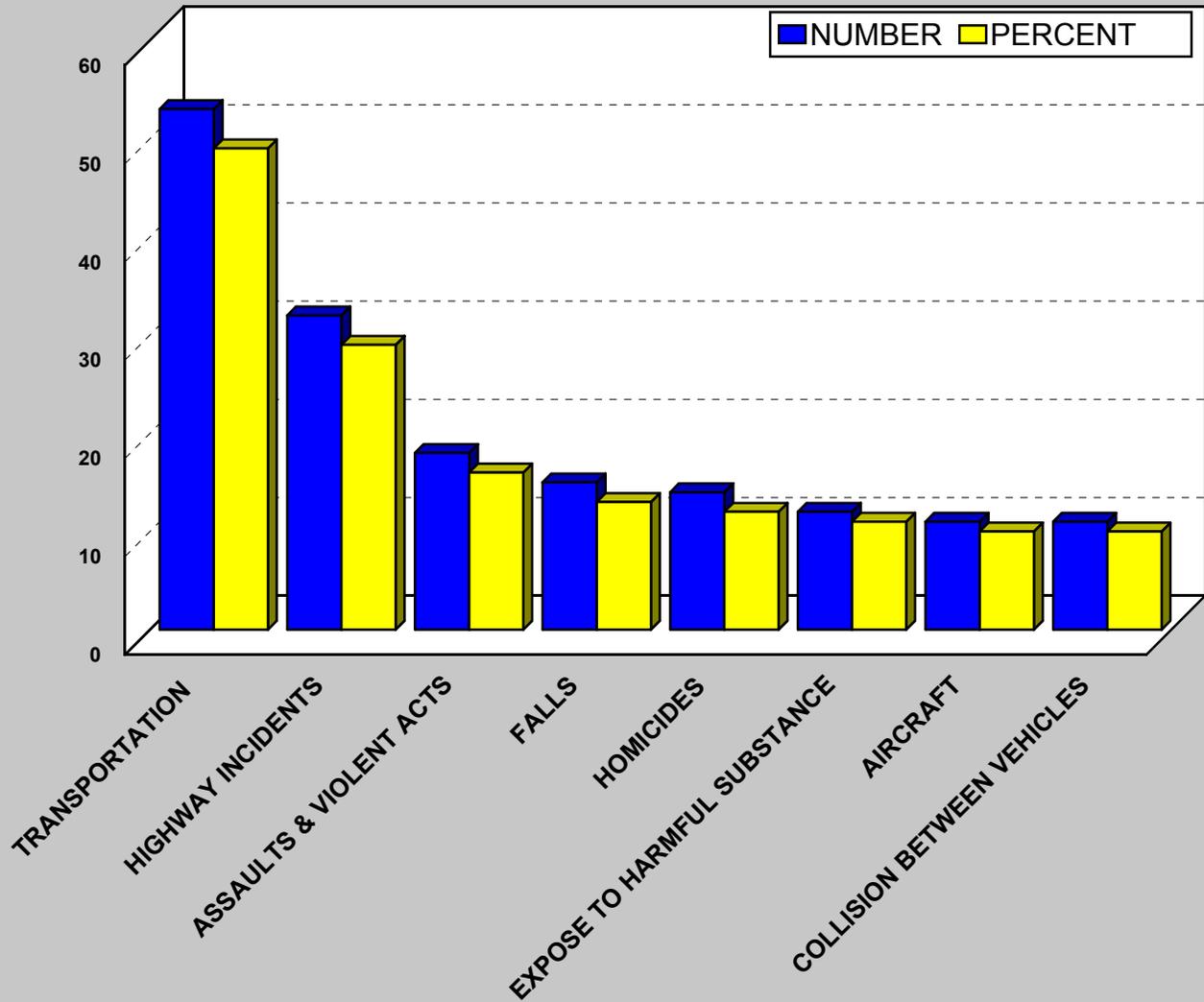
**CHART 6. DISTRIBUTION OF FATAL OCCUPATIONAL INJURIES BY SOURCE OF INJURY  
ARIZONA, 2006**



| SOURCE                                    | NUMBER | PERCENT |
|---|--------|---------|
| VEHICLES                                  | 50     | 46.0    |
| HIGHWAY VEHICLES                          | 38     | 35.0    |
| STRUCTURES & SURFACES                     | 16     | 14.0    |
| FLOORS                                    | 14     | 12.0    |
| TRUCKS                                    | 13     | 12.0    |
| BULLETS                                   | 12     | 11.0    |
| MACHINERY                                 | 8      | 7.0     |
| CONSTRUCTION, LOGGING, & MINING MACHINERY | 7      | 6.0     |

SOURCE: CENSUS OF FATAL OCCUPATIONAL INJURIES, INDUSTRIAL COMMISSION OF ARIZONA

**CHART 7. DISTRIBUTION OF FATAL OCCUPATIONAL INJURIES BY EVENT OR EXPOSURE  
ARIZONA, 2006**

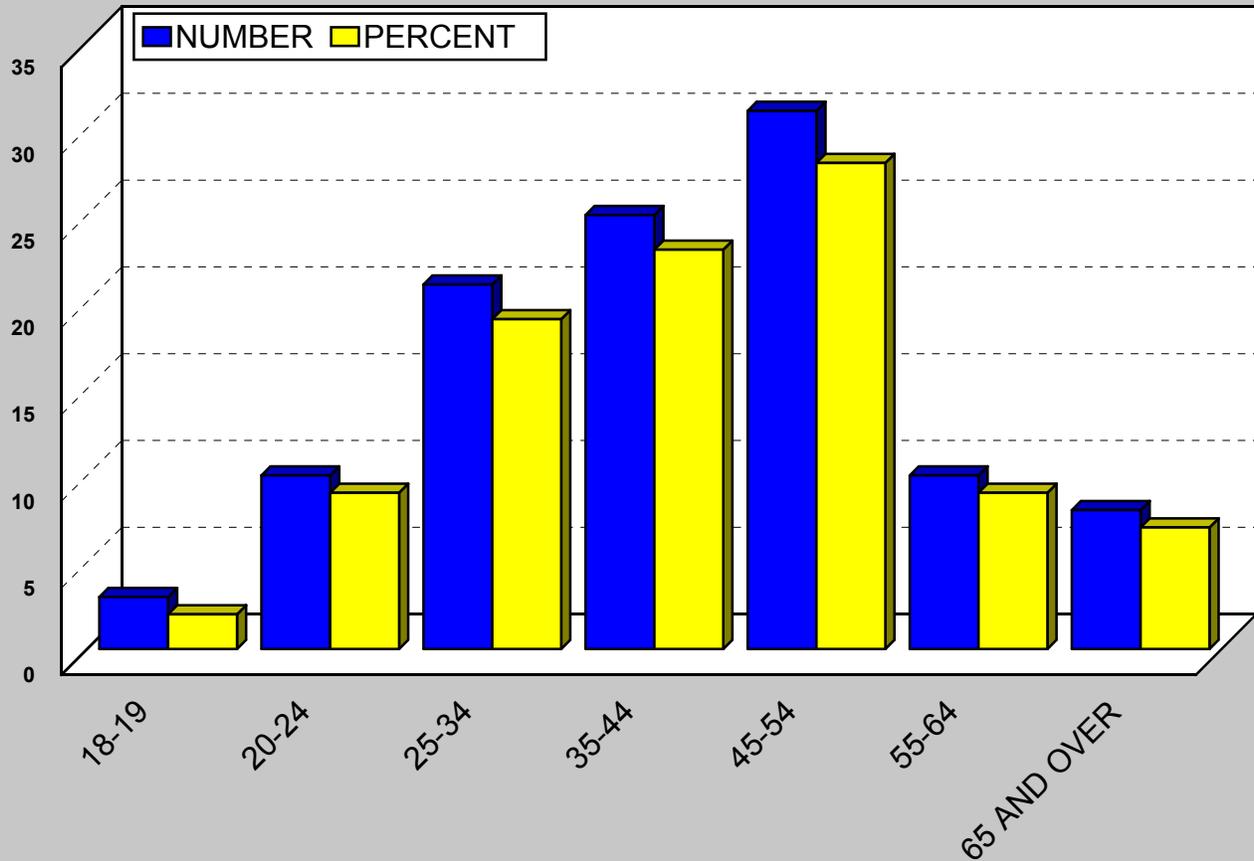


| EVENT                       | NUMBER | PERCENT |
|-----------------------------|--------|---------|
| TRANSPORTATION              | 53     | 49.0    |
| HIGHWAY INCIDENTS           | 32     | 29.0    |
| ASSAULTS & VIOLENT ACTS     | 18     | 16.0    |
| FALLS                       | 15     | 13.0    |
| HOMICIDES                   | 14     | 12.0    |
| EXPOSE TO HARMFUL SUBSTANCE | 12     | 11.0    |
| AIRCRAFT                    | 11     | 10.0    |
| COLLISION BETWEEN VEHICLES  | 11     | 10.0    |

SOURCE: CENSUS OF FATAL OCCUPATIONAL INJURIES, INDUSTRIAL COMMISSION OF ARIZONA

## CHART 8. DISTRIBUTION OF FATAL OCCUPATIONAL INJURIES BY AGE

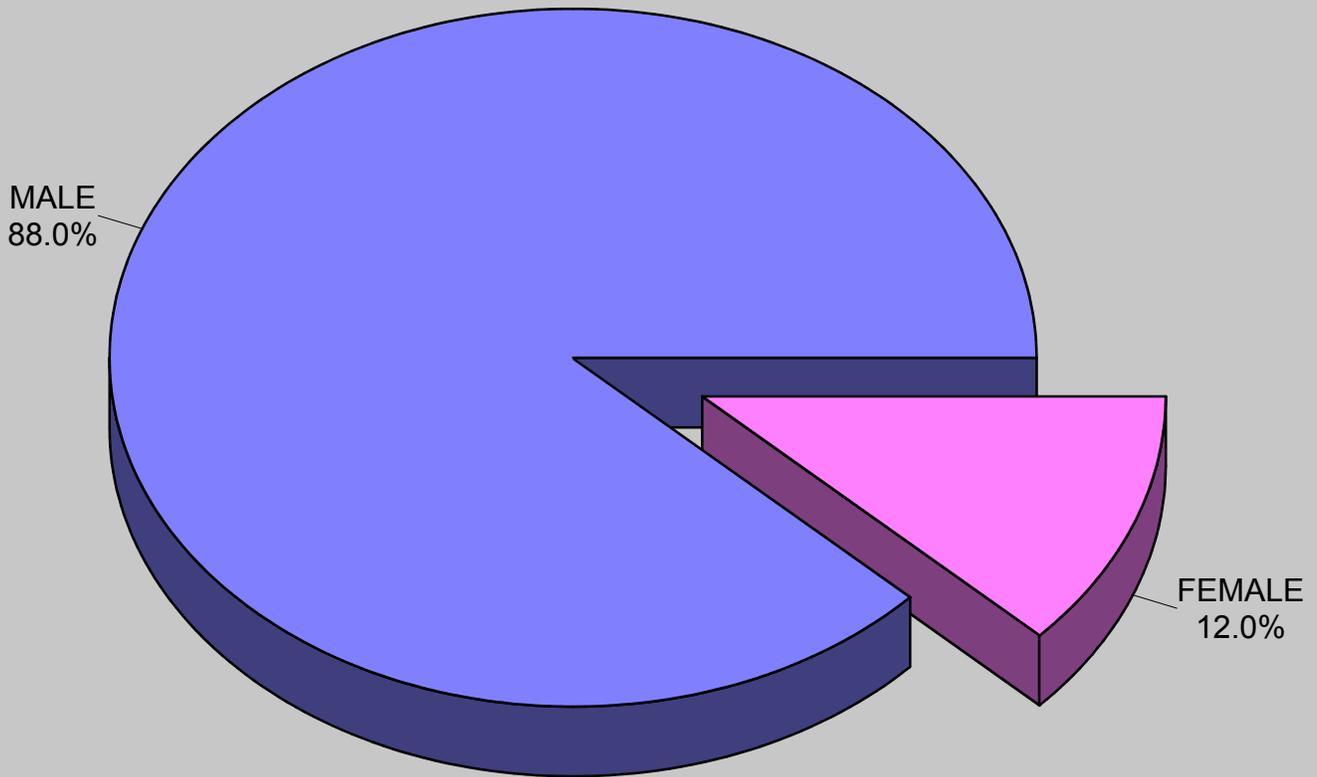
ARIZONA, 2006



| AGE         | NUMBER | PERCENT |
|-------------|--------|---------|
| 18-19       | 3      | 2.0     |
| 20-24       | 10     | 9.0     |
| 25-34       | 21     | 19.0    |
| 35-44       | 25     | 23.0    |
| 45-54       | 31     | 28.0    |
| 55-64       | 10     | 9.0     |
| 65 AND OVER | 8      | 7.0     |

SOURCE: CENSUS OF FATAL OCCUPATIONAL INJURIES, INDUSTRIAL COMMISSION OF ARIZONA

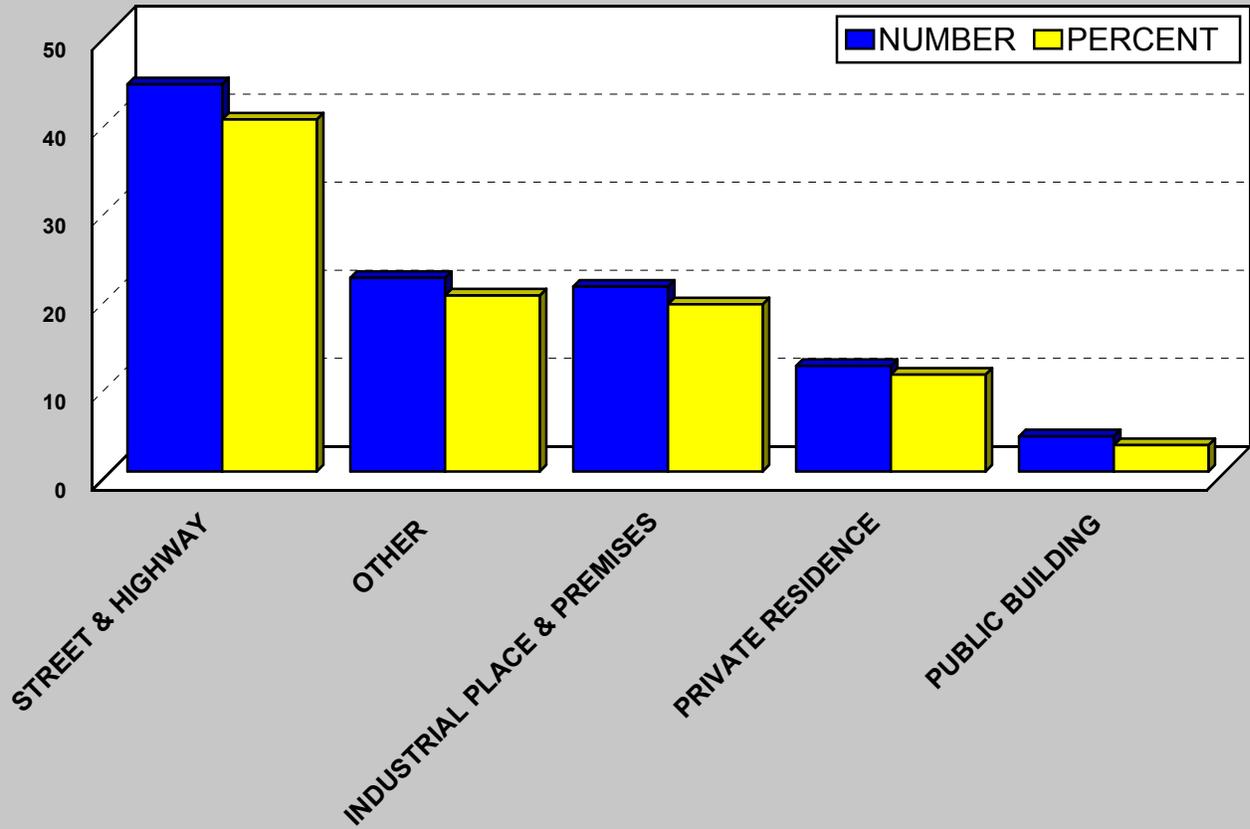
**CHART 9. DISTRIBUTION OF FATAL OCCUPATIONAL INJURIES BY GENDER  
ARIZONA, 2006**



| GENDER | NUMBER | PERCENT |
|--------|--------|---------|
| MALE   | 95     | 87.0    |
| FEMALE | 13     | 12.0    |

SOURCE: CENSUS OF FATAL OCCUPATIONAL INJURIES, INDUSTRIAL COMMISSION OF ARIZONA

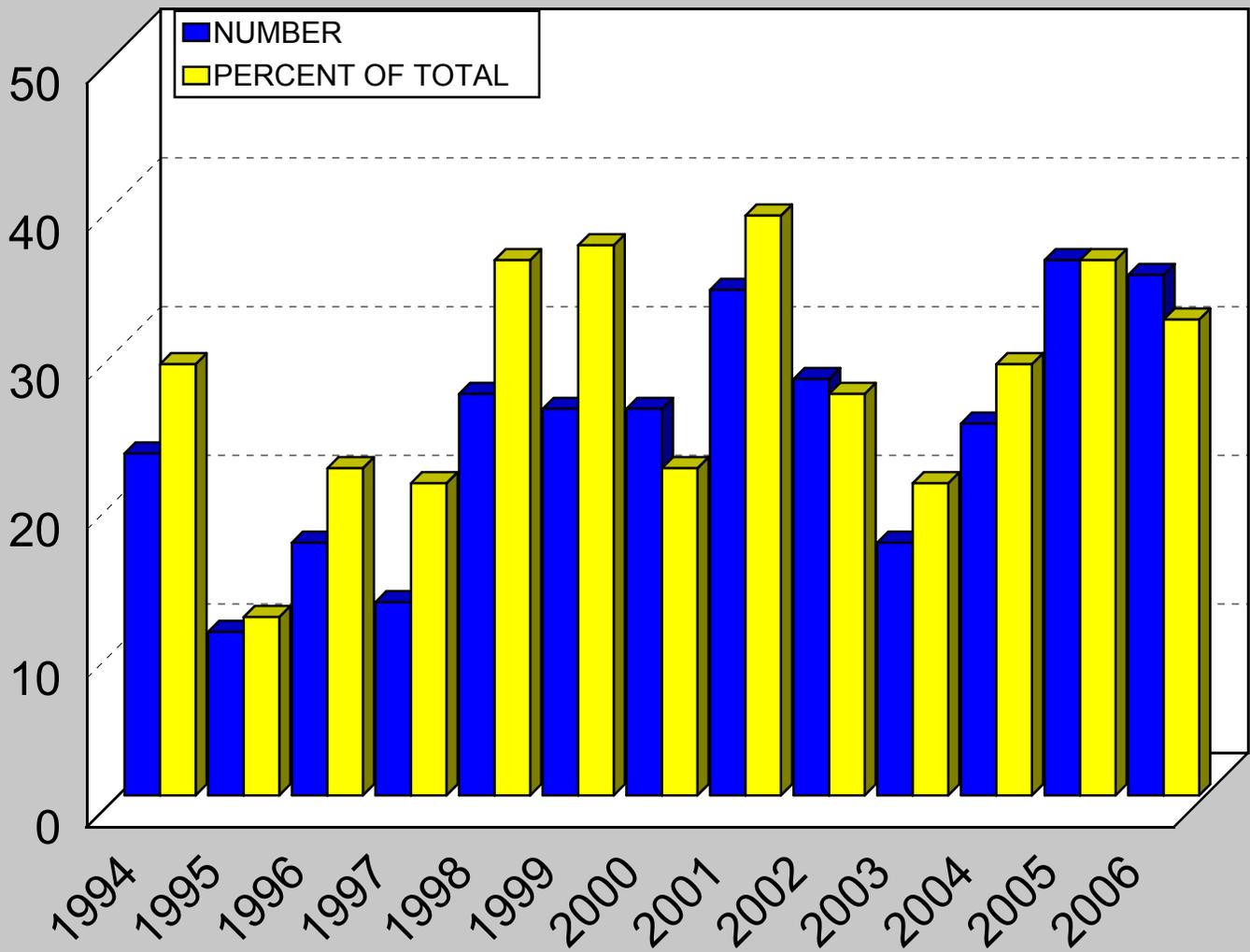
**CHART 10. DISTRIBUTION OF FATAL OCCUPATIONAL INJURIES BY LOCATION  
ARIZONA, 2006**



| AGE                         | NUMBER | PERCENT |
|-----------------------------|--------|---------|
| STREET & HIGHWAY            | 44     | 40.0    |
| OTHER                       | 22     | 20.0    |
| INDUSTRIAL PLACE & PREMISES | 21     | 19.0    |
| PRIVATE RESIDENCE           | 12     | 11.0    |
| PUBLIC BUILDING             | 4      | 3.0     |

SOURCE: CENSUS OF FATAL OCCUPATIONAL INJURIES, INDUSTRIAL COMMISSION OF ARIZONA

**CHART 11. DISTRIBUTION OF FATAL OCCUPATIONAL INVOLVING HISPANICS  
ARIZONA, 2006**



| YEAR | NUMBER | TOTAL | PERCENT OF TOTAL |
|------|--------|-------|------------------|
| 1994 | 23     | 79.0  | 29               |
| 1995 | 11     | 86.0  | 12               |
| 1996 | 17     | 77.0  | 22               |
| 1997 | 13     | 61.0  | 21               |
| 1998 | 27     | 74.0  | 36               |
| 1999 | 26     | 70.0  | 37               |
| 2000 | 26     | 118.0 | 22               |
| 2001 | 34     | 87.0  | 39               |
| 2002 | 28     | 101.0 | 27               |
| 2003 | 17     | 80.0  | 21               |
| 2004 | 25     | 84.0  | 29               |
| 2005 | 36     | 99.0  | 36               |
| 2006 | 35     | 108.0 | 32               |

SOURCE: CENSUS OF FATAL OCCUPATIONAL INJURIES, INDUSTRIAL COMMISSION OF ARIZONA

## TECHNICAL NOTES

- The “other” category includes those low-incidence categories that are aggregated due to confidentiality requirements.
- Data in this report was coded using the following coding system:

Industry: North American Industry Classification System, United States, 2002

Occupation: Standard Occupational Classification Coding Manual

Nature of Injury: Occupational Injury and Illness Classification Manual

Part of Body: Occupational Injury and Illness Classification Manual

Source of Injury: Occupational Injury and Illness Classification Manual

Event or Exposure of Injury: Occupational Injury and Illness Classification Manual

- The Census of Fatal Occupational Injuries includes data for all fatal work injuries whether they are covered by OSHA or Federal or State Agencies. Therefore, comparisons cannot be made between CFOI data and any other data released.
- Percentages may not add to total due to rounding.