

# United States Department of Labor



## **Bureau of Labor Statistics**

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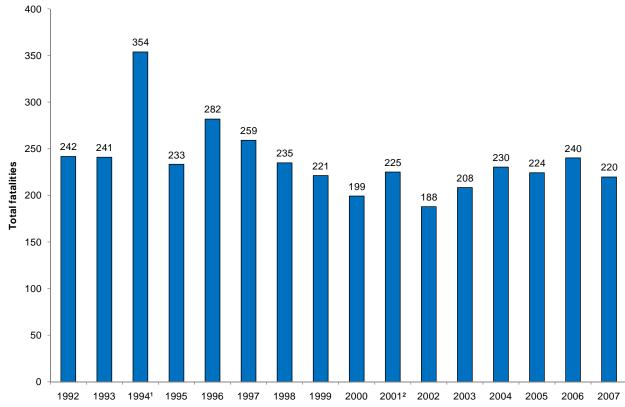
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WEDNESDAY, OCTOBER 1, 2008

### Workplace Fatalities in Pennsylvania for 2007

Fatal work injuries in Pennsylvania totaled 220 in 2007<sup>1</sup>, an 8-percent decrease from the total of 240 recorded in 2006, according to the Bureau of Labor Statistics of the U.S. Department of Labor. (See chart A.) Sheila Watkins, the Bureau's regional commissioner, noted that the most frequent types of workplace fatalities in 2007 were highway crashes (64), homicides (32), falls to a lower level (29), and being struck by objects or equipment (22); these four types of events<sup>2</sup> accounted for two-thirds of the workplace fatalities in the Commonwealth.

Chart A. Total workplace fatalities in the Commonwealth of Pennsylvania, 1992-2007



Total fatalities include a single, catastrophic airplane crash that claimed the lives of 101 persons in work status.

<sup>2</sup> Totals for 2001 exclude fatalities from the September 11, 2001, terrorist attacks.

Note: Totals for 2007 are preliminary.

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<sup>&</sup>lt;sup>1</sup> The 2007 figures are considered preliminary. Final figures will be released in April 2009.

<sup>&</sup>lt;sup>2</sup> Fatal events are categorized into several major groupings including transportation incidents, assaults and violent acts, and falls. These major groups are further broken down into more detailed groups. See the Occupational Injury & Illness Classification System (OIICS) Manual on our Web site at <a href="https://www.bls.gov/iif/oshoiics.htm">www.bls.gov/iif/oshoiics.htm</a> for detailed information on the categories of fatalities used in this survey.

Highway crashes (officially titled highway incidents) led all events as the most frequent type of on-the-job fatalities for both the nation and the Commonwealth of Pennsylvania. The number of fatal work injuries from highway crashes in Pennsylvania increased from 49 in 2006 to 64 in 2007; this year's count was the highest since 1997 when 66 job-related highway fatalities were reported. (See table A.) Work-related deaths from highway crashes accounted for 29 percent of Pennsylvania's and 24 percent of the United States' total in 2007.

There were 32 work-related homicides in 2007 in Pennsylvania, the highest level recorded since 1996 when 33 on-the-job homicides were reported. Homicides accounted for 15 percent of fatal work injuries in Pennsylvania and 11 percent of those in the nation in 2007.

Fatalities resulting from falls to a lower level in Pennsylvania decreased slightly over the year from 31 in 2006 to 29 in 2007. Fatal work injuries from falls to a lower level accounted for 13 percent of both the Commonwealth's and the United States' fatal occupational injuries totals in 2007.

The number of fatalities from being struck by objects or equipment in Pennsylvania decreased from 30 in 2006 to 22 in 2007 and accounted for 10 percent of the work-related deaths in the Commonwealth. Nationally, this event accounted for 9 percent of the total.

Other frequent events leading to workplace fatalities in the Commonwealth in 2007 were nonhighway incidents (15), pedestrian incidents (13), and being caught in or compressed by equipment or objects (10). (See table 1.) The number of work-related fatalities due to nonhighway incidents in 2007 was identical to the number recorded in 2006, while the number of fatalities from pedestrian incidents and from being caught in or compressed by equipment or objects were both lower than their year-ago levels of 17 and 12, respectively. All together, these three events were responsible for 17 percent of all fatal work injuries in Pennsylvania in 2007.

Table A. Fatal occupational injuries in Pennsylvania by selected event groups, 1992-2007

|                   | Total      | Highway | crashes | Homi   | cides   | Falls to lo | wer level | Struck by objects |         |  |
|-------------------|------------|---------|---------|--------|---------|-------------|-----------|-------------------|---------|--|
| Year              | fatalities | Number  | Percent | Number | Percent | Number      | Percent   | Number            | Percent |  |
| 1992              | 242        | 44      | 18      | 38     | 16      | 30          | 12        | 18                | 7       |  |
| 1993              | 241        | 41      | 17      | 44     | 18      | 21          | 9         | 24                | 10      |  |
| 1994 <sup>1</sup> | 354        | 57      | 16      | 28     | 8       | 42          | 12        | 22                | 6       |  |
| 1995              | 233        | 48      | 21      | 27     | 12      | 23          | 10        | 15                | 6       |  |
| 1996              | 282        | 51      | 18      | 33     | 12      | 42          | 15        | 39                | 14      |  |
| 1997              | 259        | 66      | 25      | 27     | 10      | 33          | 13        | 25                | 10      |  |
| 1998              | 235        | 59      | 25      | 21     | 9       | 19          | 8         | 25                | 11      |  |
| 1999              | 221        | 56      | 25      | 15     | 7       | 31          | 14        | 24                | 11      |  |
| 2000              | 199        | 41      | 21      | 22     | 11      | 27          | 14        | 24                | 12      |  |
| 2001 ²            | 225        | 41      | 18      | 26     | 12      | 24          | 11        | 24                | 11      |  |
| 2002              | 188        | 43      | 23      | 14     | 7       | 21          | 11        | 16                | 9       |  |
| 2003              | 208        | 41      | 20      | 28     | 13      | 22          | 11        | 17                | 8       |  |
| 2004              | 230        | 56      | 24      | 23     | 10      | 30          | 13        | 33                | 14      |  |
| 2005              | 224        | 60      | 27      | 28     | 13      | 26          | 12        | 21                | 9       |  |
| 2006              | 240        | 49      | 20      | 27     | 11      | 31          | 13        | 30                | 13      |  |
| 2007              | 220        | 64      | 29      | 32     | 15      | 29          | 13        | 22                | 10      |  |

<sup>&</sup>lt;sup>1</sup> Total fatalities include a single, catastrophic airplane crash that claimed the lives of 101 persons in work status.

Note: Totals for 2007 are preliminary.

<sup>&</sup>lt;sup>2</sup> Totals for 2001 exclude fatalities from the September 11, 2001, terrorist attacks.

Nationwide, a total of 5,488 fatal work injuries were reported in 2007, a decrease of 6 percent from the revised total of 5,840 fatal work injuries reported in 2006. While these results are considered preliminary, the 2007 level represents the smallest annual total since the series began in 1992. (See table B.) Highway crashes in 2007 accounted for nearly one out of every four fatal work injuries and continued to lead all other events in the frequency of on-the-job fatalities. Still, the 2007 count of 1,311 fatal injuries in highway crashes was the lowest annual total since 1993. The 2007 total of 733 fatal falls to a lower level was the third highest since the fatality census began, but was slightly lower than the 738 recorded in 2006. The number of workers (504) who were fatally injured from being struck by objects or equipment in 2007 was at the lowest level since the fatality census began and represented a 14-percent decline from the 2006 total.

Workplace homicides increased by 13 percent to 610 in 2007 from the series low of 540 that was reported in 2006. Even after the increase, workplace homicides have declined 44 percent from the high of 1,080 reported in 1994.

Table B. Fatal occupational injuries in the United States by selected event groups, 1992-2007

| Year              | Total      | Highway | crashes | Falls to lo | wer level | Homi   | cides   | Struck by object |         |  |
|-------------------|------------|---------|---------|-------------|-----------|--------|---------|------------------|---------|--|
| Teal              | fatalities | Number  | Percent | Number      | Percent   | Number | Percent | Number           | Percent |  |
| 1992              | 6,217      | 1,158   | 19      | 507         | 8         | 1,044  | 17      | 557              | 9       |  |
| 1993              | 6,331      | 1,242   | 20      | 534         | 8         | 1,074  | 17      | 565              | 9       |  |
| 1994              | 6,632      | 1,343   | 20      | 580         | 9         | 1,080  | 16      | 591              | 9       |  |
| 1995              | 6,275      | 1,346   | 21      | 578         | 9         | 1,036  | 17      | 547              | 9       |  |
| 1996              | 6,202      | 1,346   | 22      | 610         | 10        | 927    | 15      | 582              | 9       |  |
| 1997              | 6,238      | 1,393   | 22      | 653         | 10        | 860    | 14      | 579              | 9       |  |
| 1998              | 6,055      | 1,442   | 24      | 625         | 10        | 714    | 12      | 520              | 9       |  |
| 1999              | 6,054      | 1,496   | 25      | 634         | 10        | 651    | 11      | 585              | 10      |  |
| 2000              | 5,920      | 1,365   | 23      | 659         | 11        | 677    | 11      | 571              | 10      |  |
| 2001 1            | 5,915      | 1,409   | 24      | 700         | 12        | 643    | 11      | 553              | 9       |  |
| 2002              | 5,534      | 1,373   | 25      | 638         | 12        | 609    | 11      | 505              | 9       |  |
| 2003              | 5,575      | 1,353   | 24      | 604         | 11        | 632    | 11      | 531              | 10      |  |
| 2004              | 5,764      | 1,398   | 24      | 738         | 13        | 559    | 10      | 602              | 10      |  |
| 2005              | 5,734      | 1,437   | 25      | 664         | 12        | 567    | 10      | 607              | 11      |  |
| 2006 <sup>2</sup> | 5,840      | 1,356   | 23      | 738         | 13        | 540    | 9       | 589              | 10      |  |
| 2007              | 5,488      | 1,311   | 24      | 733         | 13        | 610    | 11      | 504              | 9       |  |

<sup>&</sup>lt;sup>1</sup> Totals for 2001 exclude fatalities from the September 11, 2001, terrorist attacks.

#### **Key characteristics of fatal work injuries in Pennsylvania in 2007:**

- Men accounted for 93 percent (204) of the work-related fatalities in the Commonwealth. Transportation incidents, which include highway, nonhighway, pedestrian, air, water, and rail fatalities, accounted for two-fifths of these deaths. Contact with objects and equipment and falls each made up 18 percent of the fatal injuries to men, while assaults and violent acts accounted for 16 percent. Sixteen women were fatally injured on the job, with 11 of these deaths resulting from transportation incidents. (See table 2.)
- Seventy-nine percent of those who died from a workplace injury in Pennsylvania were white, non-Hispanic (174); 9 percent were black, non-Hispanic (20); 7 percent were Hispanic or Latino (16); and 4 percent were Asian (9). Transportation incidents was the most frequent type of fatality for both white, non-Hispanic workers and Asians. Assaults and violent acts accounted for half of the deaths among non-Hispanic blacks, while assaults and violent acts and falls, the most frequent events for Hispanic or Latino workers, each accounted for 5 deaths among this group. (See table 2.)
- Workers 25-54 years old—the prime working age group—made up 59 percent, or 129, of the Commonwealth's work-related fatalities in 2007; at the national level, 63 percent of worker deaths belonged to this age group. (See table 2.)

<sup>&</sup>lt;sup>2</sup> The BLS national news release issued August 9, 2007, reported a total of 5,703 fatal work injuries for calendar year 2006. Since then, an additional 137 job-related fatalities were identified, bringing the total job-related fatality count for 2006 to 5,840.

Note: Totals for 2007 are preliminary.

#### Key characteristics of fatal work injuries in Pennsylvania in 2007: (continued)

- Eighty-seven percent of workers killed on the job worked for wages and salaries, the rest were self-employed. The leading cause of death for wage and salary workers was transportation incidents, while assaults and violent acts was the most frequent event for self-employed workers. (See table 2.)
- Two industry sectors made up 39 percent of the workplace fatalities in the Commonwealth—construction recorded 46 deaths and transportation and warehousing, 40. Falls accounted for over one-half of fatal occupational injuries in construction, while transportation incidents represented nearly three-quarters of work-related deaths in the transportation and warehousing sector. (See table 3.)
- Workers in the transportation and material moving occupations had the highest number of workplace fatalities at 56, followed by those in the construction and extraction occupations with 41; combined, these two occupational groups accounted for 44 percent of all fatal work injuries in Pennsylvania. Transportation incidents was the most frequent type of fatal injuries in the transportation and material moving occupations, while in the construction and extraction occupations, falls was the most frequent event. (See table 4.)
- Among the Commonwealth's metropolitan areas, Philadelphia-Camden-Wilmington, Pa.-N.J.-Del.-Md. registered the highest number of work-related fatalities at 93, followed by Pittsburgh, Pa. at 26. (See chart 1.)

Additional Census of Fatal Occupational Injuries data are available on the BLS Internet site at <a href="https://www.bls.gov/iif/">www.bls.gov/iif/</a>. Data can be accessed in two ways, through Create Customized Tables, which allows quick access to particular items, or via the special request FTP service, which allows access to an extensive collection of flat text files. For personal assistance or further information on the Census of Fatal Occupational Injuries program, as well as other Bureau programs, contact the Mid-Atlantic Information Office at 215-597-3282 from 8:30 a.m. to 12:00 p.m. and 1:00 p.m. to 3:30 p.m. ET. Information on the Census of Fatal Occupational Injuries and other programs and surveys are available on our Web site at <a href="https://www.bls.gov/ro3/">www.bls.gov/ro3/</a>.

#### **Technical Note**

#### Background of the program

The Census of Fatal Occupational Injuries, part of the BLS occupational safety and health statistics program, compiles a count of all fatal work injuries occurring in the U.S. in each calendar year. The program uses diverse State, federal, and independent data sources to identify, verify, and describe fatal work injuries. This assures counts are as complete and accurate as possible.

For technical information about the CFOI program, please go to the BLS Handbook of Methods on the BLS Web site. To get to that document, click on Workplace Injuries on the BLS home page, scroll down to IIF Documentation, and then click on "BLS Handbook of Methods." The technical information and definitions for the CFOI Program are in Chapter 9, Part 2 of the BLS Handbook of Methods.

#### Federal/State agency coverage

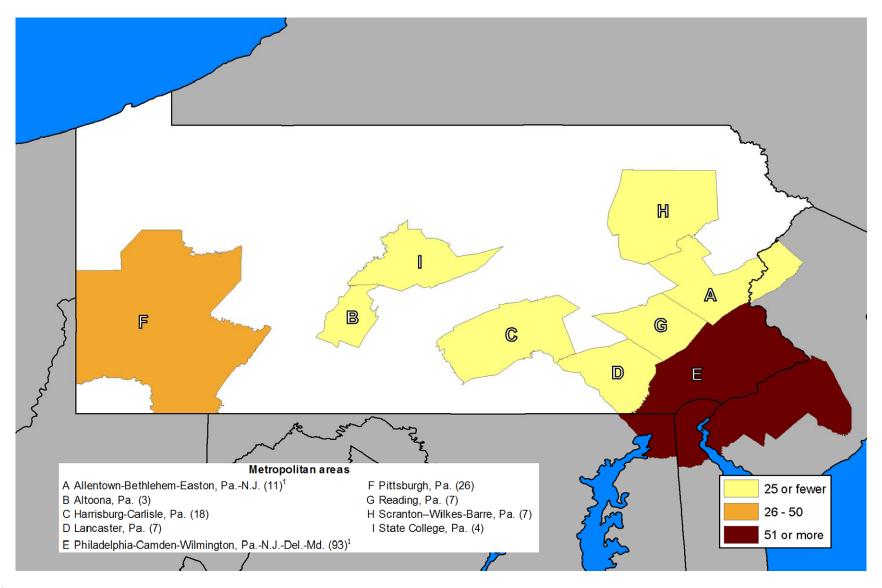
The Census of Fatal Occupational Injuries includes data for all fatal work injuries, whether the decedent was working in a job covered by the Occupational Safety and Health Administration (OSHA) or other federal or State agencies or was outside the scope of regulatory coverage. Thus, any comparison between the BLS fatality census counts and those released by other agencies should take into account the different coverage requirements and definitions being used by each agency.

Several federal and State agencies have jurisdiction over workplace safety and health. OSHA and affiliated agencies in States with approved safety programs cover the largest portion of the nation's workers. However, injuries and illnesses occurring in certain industries or activities, such as coal, metal, and nonmetal mining and highway, water, rail, and air transportation, are excluded from OSHA coverage because they are covered by other federal agencies, such as the Mine Safety and Health Administration and various agencies within the Department of Transportation.

#### Acknowledgments

BLS thanks the Pennsylvania Department of Health for their efforts in collecting accurate, comprehensive, and useful data on fatal work injuries. BLS also appreciates the efforts of all federal, State, local, and private sector entities that submitted source documents used to identify fatal work injuries. Among these agencies are the Occupational Safety and Health Administration; the National Transportation Safety Board; the U.S. Coast Guard; the Mine Safety and Health Administration; the Employment Standards Administration (Federal Employees' Compensation and Longshore and Harbor Workers' divisions); the Federal Railroad Administration; the Department of Energy; State vital statistics registrars, coroners, and medical examiners; State departments of health, labor and industries, and workers' compensation agencies; State and local police departments; and State farm bureaus.

Chart 1. Total workplace fatalities for metropolitan areas in Pennsylvania, 2007



<sup>&</sup>lt;sup>1</sup> Includes workplace fatalities in the entire metropolitan area, not just the Commonwealth of Pennsylvania portion.

Note: CFOI data for a particular metropolitan area may be published if the area records five or more fatalities or three or more distinct incidents. Metropolitan areas containing four or fewer fatalities based on one or two incidents are confidential and cannot be published.

Table 1. Fatal occupational injuries by event or exposure for all fatalities and major private industry sector, Pennsylvania, 2007

|   |                                 | Goods producing             |  |                   |                    | Service providing             |  |                  |                      |  |  |                               |                |
|---|---------------------------------|-----------------------------|--|-------------------|--------------------|-------------------------------|--|------------------|----------------------|--|--|-------------------------------|----------------|
| Event or exposure <sup>2</sup>  | Total<br>fatalities<br>(number) | Total<br>goods<br>producing | Natural<br>resources<br>and<br>mining <sup>3</sup> | Construc-<br>tion | Manufac-<br>turing | Total<br>service<br>providing | Trade,<br>transpor-<br>tation,<br>and<br>utilities | Informa-<br>tion | Financial activities | Profes-<br>sional<br>and<br>business<br>services | Education<br>and<br>health<br>services | Leisure<br>and<br>hospitality | Other services |
| Total   | 220                             | 89                          | 21   | 46                | 22                 | 117                           | 63   |                  | 6                    | 22   | 9                                      | 8                             | 8              |
| Contact with objects and equipment  | 36                              | 22                          | 9  | 1                 | 5                  | 13                            | _  |                  |                      | 7  |  |                               |                |
| Struck by object or equipment   | . 22                            | 12                          |  | 4                 |                    | 9                             | 3  |                  |                      | 6  |  |                               |                |
| Struck by falling object or equipment   | . 13                            | 8                           | 3  | 4                 |                    | 4                             |  |                  |                      | 3  |  |                               |                |
| Struck by rolling, sliding objects or   |                                 | 3                           | _  |                   |                    |                               |  |                  |                      |  |  |                               |                |
| equipment on floor or ground level  | 6<br>10                         | 3                           | 3  |                   |                    | 3                             |  |                  |                      |  |  |                               |                |
| Caught in or compressed by equipment or objects  Caught in running equipment or machinery | 6                               | 0                           |  |                   | 3                  | 4                             | 3  |                  |                      |  |  |                               |                |
| Compressed or pinched by rolling, sliding,  |                                 | -                           |  |                   | 3                  |                               |  |                  |                      |  |  |                               |                |
| or shifting objects   | . 3                             |                             |  |                   |                    |                               |  |                  |                      |  |  |                               |                |
| Caught in or crushed in collapsing materials  | _                               | 4                           |  |                   |                    |                               |  |                  |                      |  |  |                               |                |
| Falls   | 36                              | 29                          |  | 25                | 3                  | 5                             | 3  |                  |                      |  |  |                               |                |
| Fall to lower level   | 29                              | 24                          |  | 21                | 3                  | 4                             |  |                  |                      |  |  |                               |                |
| Fall from ladder  | . 8                             | 7                           |  | 6                 |                    |                               |  |                  |                      |  |  |                               |                |
| Fall from roof  | . 9                             | 9                           |  | 8                 |                    |                               |  |                  |                      |  |  |                               |                |
| Fall from roof edge   | . 5                             | 5                           |  | 5                 |                    |                               |  |                  |                      |  |  |                               |                |
| Fall from scaffold, staging   | . 4                             | 4                           |  | 4                 |                    |                               |  |                  |                      |  |  |                               |                |
| Fall to lower level, n.e.c  | . 3                             |                             |  |                   |                    |                               |  |                  |                      |  |  |                               |                |
| Fall on same level  | . 7                             | 5                           |  | 4                 |                    |                               |  |                  |                      |  |  |                               |                |
| Fall to floor, walkway, or other surface  | . 7                             | 5                           |  | 4                 |                    |                               |  |                  |                      |  |  |                               |                |
| Exposure to harmful substances or environments  | . 12                            | 4                           |  |                   |                    | 8                             |  |                  |                      | 3  |  |                               |                |
| Contact with electric current   | . 5                             | 3                           |  |                   |                    |                               |  |                  |                      |  |  |                               |                |
| Exposure to caustic, noxious, or allergenic   |                                 |                             |  |                   |                    |                               |  |                  |                      |  |  |                               |                |
| substances  | . 4                             |                             |  | 9                 | 9                  | 4                             |  |                  |                      | 7  | 5                                      |                               |                |
| Transportation accidents  | . 93<br>64                      | 26<br>11                    | 8  | _                 | 9                  | 60<br>48                      | 42<br>35   |                  |                      |  | _                                      |                               |                |
| Highway accident  Collision between vehicles, mobile equipment                            | 40                              | 11<br>5                     |  | 3                 | 1                  | 34                            | 35<br>25   |                  |                      | 6  | 4                                      |                               |                |
| Moving in same direction  | 15                              | 5                           |  |                   | 4                  | 15                            | _  |                  |                      | 4  | 3                                      |                               |                |
| Moving in agrie directions, oncoming  | 13                              |                             |  |                   |                    | 10                            | 1  |                  |                      |  |  |                               |                |
| Moving in intersection  | 6                               |                             |  |                   |                    | 4                             |  |                  |                      |  |  |                               |                |
| Moving and standing vehicle, mobile   |                                 |                             |  |                   |                    |                               |  |                  |                      |  |  |                               |                |
| equipmentin roadway   | . 5                             |                             |  |                   |                    | 4                             |  |                  |                      |  |  |                               |                |
| Vehicle struck object on side of road   | 19                              | 4                           |  |                   |                    | 12                            | 10   |                  |                      |  |  |                               |                |
| Nonhighway accident, except rail, air, water  | . 15                            | 10                          | 7  |                   |                    | 4                             |  |                  |                      |  |  |                               |                |
| Noncollision accident   | 12                              | 8                           | 6  |                   |                    | 3                             |  |                  |                      |  |  |                               |                |
| Fell from and struck by vehicle, mobile   |                                 |                             |  |                   |                    |                               |  |                  |                      |  |  |                               |                |
| equipment   | 4                               | 4                           | 4  |                   |                    |                               |  |                  |                      |  |  |                               |                |
| Overturned  | . 7                             | 4                           |  |                   |                    | 3                             |  |                  |                      |  |  |                               |                |
| Pedestrian, nonpassenger struck by vehicle,   |                                 |                             |  |                   |                    |                               |  |                  |                      |  |  |                               |                |
| mobile equipment  | . 13                            | 5                           |  | 4                 |                    | 7                             | 4  |                  |                      |  |  |                               |                |
| Pedestrian struck by vehicle, mobile  | _                               |                             |  |                   |                    | _                             |  |                  |                      |  |  |                               |                |
| equipment in roadway  | . 8                             | 3                           |  |                   |                    | 5                             | 3  |                  |                      |  |  |                               |                |
| Pedestrian struck by vehicle, mobile  | _                               |                             |  |                   |                    |                               |  |                  |                      |  |  |                               |                |
| equipment in parking lot or non-roadway area  | . 3                             |                             |  |                   |                    |                               |  |                  |                      |  |  |                               |                |
| Fires and explosions  Fireunintended or uncontrolled                                      | . 6                             |                             |  |                   |                    |                               |  |                  |                      |  | 1 -                                    | -                             |                |
| Fire in residence, building, or other structure   | 3                               |                             | I  | Ι -               | Ι -                | I                             |  | I -              | l                    | I  | ]                                      |                               |                |
| Explosion   | 3 2                             |                             | I  | I                 | -                  |                               |  |                  |                      |  | ]                                      |                               |                |
| Assaults and violent acts   | 36                              | 6                           |  | 2                 |                    | 28                            | 10   |                  | I                    | 5  | ]                                      | 3                             | 1              |
| Assaults and violent acts   |                                 | 3                           |  |                   |                    | 27                            | 10   |                  |                      | 5  | l l                                    | 3                             | 4              |
| Shooting  | 30                              |                             |  |                   |                    | 26                            |  |                  |                      | 5  |  | 3                             | 3              |
| Self-inflicted injury   | ] 4                             | 3                           |  |                   |                    |                               |  |                  |                      |  |  |                               |                |
| Suicide, attempted suicide  | . 4                             | 3                           |  |                   |                    |                               |  |                  |                      |  |  |                               |                |

<sup>&</sup>lt;sup>1</sup> Classified according to the North American Industry Classification System, 2002. <sup>2</sup> Based on the 1992 BLS Occupational Injury and Illness Classification Manual.

NOTE: Totals for major categories may include subcategories not shown separately.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State and Federal agencies, Census of Fatal Occupational Injuries

<sup>\*</sup> Based on the 1992 BLS Occupational Injury and Illness Classification Manual.

3 Includes fatalities at all establishments categorized as Mining (Sector 21) in the North American Industry Classification System, 2002, including establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction.

Table 2. Fatal occupational injuries by worker characteristics and event or exposure, Pennsylvania, 2007

|                                      |                              |                                       |  | Event or e                         | exposure <sup>1</sup> |  |                      |
|--------------------------------------|------------------------------|---------------------------------------|--|------------------------------------|-----------------------|--|----------------------|
| Worker characteristics               | Total fatalities<br>(number) | Transportation incidents <sup>2</sup> | Assaults and violent acts <sup>3</sup> | Contact with objects and equipment | Falls                 | Exposure to harmful substances or environments | Fires and explosions |
| Total                                | 220                          | 93                                    | 36                                     | 36                                 | 36                    | 12   | 6                    |
| Employee Status                      |                              |                                       |  |                                    |                       |  |                      |
| Wage and Salary Workers <sup>4</sup> | . 192                        | 86                                    | 27                                     | 28                                 | 34                    | 11   | 5                    |
| Self-employed <sup>5</sup>           |                              | 7                                     | 9                                      | 8                                  |                       |  |                      |
| Gender                               |                              | ·                                     | · ·                                    | Ü                                  |                       |  |                      |
| Gender                               |                              |                                       |  |                                    |                       |  |                      |
| Men                                  | _                            | 82                                    | 32                                     | 36                                 | 36                    | 11   | 6                    |
| Women                                | . 16                         | 11                                    | 4                                      |                                    |                       |  |                      |
| Age                                  |                              |                                       |  |                                    |                       |  |                      |
| Under 16 years                       |                              |                                       |  |                                    |                       |  |                      |
| 16 to 17 years                       |                              |                                       |  |                                    |                       |  |                      |
| 18 to 19 years                       | . 3                          |                                       |  |                                    |                       |  |                      |
| 20 to 24 years                       | . 9                          | 3                                     |  |                                    | 3                     |  |                      |
| 25 to 34 years                       | . 26                         | 6                                     | 6                                      | 4                                  | 6                     |  |                      |
| 35 to 44 years                       | . 46                         | 17                                    | 10                                     | 8                                  | 5                     | 5  |                      |
| 45 to 54 years                       |                              | 21                                    | 13                                     | 12                                 | 7                     |  |                      |
| 55 to 64 years                       |                              | 30                                    | 4                                      | 4                                  | 8                     |  |                      |
| 65 years and over                    | . 30                         | 14                                    |  | 6                                  | 7                     |  |                      |
| Race or Ethnic Origin <sup>6</sup>   |                              |                                       |  |                                    |                       |  |                      |
| White, non-Hispanic                  | 174                          | 80                                    | 19                                     | 30                                 | 28                    | 10   | 6                    |
| Black, non-Hispanic                  |                              | 5                                     | 10                                     |                                    |                       |  |                      |
| Hispanic or Latino                   |                              | 3                                     | 5                                      |                                    | 5                     |  |                      |
| American Indian or Alaska Native     |                              |                                       |  |                                    |                       |  |                      |
| Asian                                | . 9                          | 5                                     |  |                                    |                       |  |                      |
| Native Hawaiian or Pacific Islander  |                              |                                       |  |                                    |                       |  |                      |

 $<sup>^{\</sup>rm 1}$  Based on the 1992 BLS Occupational Injury and Illness Classification Manual.

NOTE: Totals for major categories may include subcategories not shown separately. Dashes indicate no data reported or data that do not meet publication criteria. Data for 2007 are preliminary.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State and Federal agencies, Census of Fatal Occupational Injuries

<sup>&</sup>lt;sup>2</sup> Includes highway, nonhighway, air, water, rail fatalities, and fatalities resulting from being struck by a vehicle.

<sup>&</sup>lt;sup>3</sup> Includes violence by persons, self-inflicted injury, and attacks by animals.

<sup>&</sup>lt;sup>4</sup> May include volunteers and workers receiving other types of compensation.

<sup>&</sup>lt;sup>5</sup> Includes self-employed workers, owners of unincorporated businesses and farms, paid and unpaid family workers, and may include some owners of incorporated businesses or members of partnerships.

<sup>&</sup>lt;sup>6</sup> Persons identified as Hispanic or Latino may be of any race. The race categories shown exclude data for Hispanics and Latinos.

Table 3. Fatal occupational injuries by industry and event or exposure, Pennsylvania, 2007

|  |                         |                              | Event or exposure <sup>2</sup>                |  |                                    |             |   |                      |  |  |
|--|-------------------------|------------------------------|---|--|------------------------------------|-------------|---|----------------------|--|--|
| Industry <sup>1</sup>  | NAICS code <sup>1</sup> | Total fatalities<br>(number) | Transpor-<br>tation<br>incidents <sup>3</sup> | Assaults and violent acts <sup>4</sup> | Contact with objects and equipment | Falls       | Exposure to<br>harmful sub-<br>stances or<br>environments | Fires and explosions |  |  |
| Total  |                         | 220                          | 93  | 36                                     | 36                                 | 36          | 12  | 6                    |  |  |
| Private Industry   |                         | 206                          | 86  | 34                                     | 35                                 | 34          | 12  | 4                    |  |  |
| Goods Producing  |                         | 89                           | 26  | 6                                      | 22                                 | 29          | 4   |                      |  |  |
| •  |                         |                              |   | Ü                                      |                                    | 20          | -   |                      |  |  |
| Natural Resources and Mining   | 1                       | 21                           | 8   |  | 9                                  |             |   | -                    |  |  |
| Agriculture, Forestry, Fishing and Hunting   | . 11                    | 16                           | 7   |  | 8                                  |             |   |                      |  |  |
| Crop Production  |                         | 9                            | 5   |  | 3                                  |             |   |                      |  |  |
| Animal Production  | . 112<br>1121           | 5<br>4                       |   |  | 3                                  |             |   |                      |  |  |
| Dairy Cattle and Milk Production   | 11212                   | 4                            | -   |  |                                    |             |   |                      |  |  |
| Mining <sup>5</sup>  | 21                      | 5                            |   |  |                                    |             |   |                      |  |  |
| •  |                         | -                            |   |  |                                    |             |   |                      |  |  |
| Mining (except Oil and Gas)  | 212                     | 3                            |   |  |                                    |             |   |                      |  |  |
| Construction   | •                       | 46                           | 9   | 3                                      | 8                                  | 25          |   |                      |  |  |
| Construction   | . 23                    | 46                           | 9   | 3                                      | 8                                  | 25          |   |                      |  |  |
| Construction of buildings  | 236                     | 8                            |   |  |                                    | 5           |   |                      |  |  |
| Residential Building Construction  | 2361                    | 5                            |   |  |                                    | 4           |   |                      |  |  |
| Residential Building Construction  |                         | 5                            |   |  |                                    | 4           |   |                      |  |  |
| Nonresidential Building Construction  Commercial and Institutional Building Construction | . 2362<br>23622         | 3                            |   |  |                                    |             |   |                      |  |  |
| Heavy and Civil Engineering Construction   | 237                     | 9                            | 5   |  | 3                                  |             |   |                      |  |  |
| Utility System Construction  |                         | 4                            |   |  |                                    |             |   |                      |  |  |
| Highway, Street, and Bridge Construction   | . 2373                  | 4                            | 3   |  |                                    |             |   |                      |  |  |
| Highway, Street, and Bridge Construction   |                         | 4<br>29                      | 3   |  | 4                                  | <br>19      |   |                      |  |  |
| Foundation, Structure, and Building Exterior Contractors                                 | 2381                    | 14                           | -   |  |                                    | 11          |   | -                    |  |  |
| Structural Steel and Precast Concrete Contractors  | 23812                   | 3                            |   |  |                                    |             |   |                      |  |  |
| Masonry Contractors  | 23814                   | 3                            |   |  |                                    | <del></del> |   |                      |  |  |
| Roofing Contractors  | . 23816<br>2382         | 5<br>6                       |   |  |                                    | 5<br>4      |   |                      |  |  |
| Building Equipment Contractors   | 23821                   | 4                            |   |  |                                    | 3           |   | -                    |  |  |
| Building Finishing Contractors   | 2383                    | 4                            |   |  |                                    |             |   |                      |  |  |
| Other Specialty Trade Contractors  |                         | 5                            |   |  |                                    |             |   |                      |  |  |
| All Other Special Trade Contractors  | 23899                   | 3                            |   |  |                                    |             |   |                      |  |  |
| Manufacturing  |                         | 22                           | 9   |  | 5                                  | 3           |   |                      |  |  |
| Manufacturing  | 31-33                   | 22                           | 9   |  | 5                                  | 3           |   |                      |  |  |
| Food Manufacturing   | 311                     | 4                            | 3   |  |                                    |             |   |                      |  |  |
| Bakeries and Tortilla Manufacturing  | 3118                    | 3                            |   |  |                                    |             |   |                      |  |  |
| Bread and Bakery Product Manufacturing   | 31181                   | 3                            |   |  |                                    |             |   |                      |  |  |
| Paper Manufacturing Primary Metal Manufacturing  | . 322<br>. 331          | 3                            |   |  |                                    |             |   |                      |  |  |
| Fabricated Metal Product Manufacturing   | 332                     | 3                            | -   |  |                                    |             |   |                      |  |  |
| Machinery Manufacturing  | 333                     | 3                            |   |  |                                    |             |   |                      |  |  |
| Service providing  |                         | 117                          | 60  | 28                                     | 13                                 | 5           | 8   |                      |  |  |
| Trade, Transportation, and Utilities   |                         | 63                           | 42  | 10                                     | 6                                  | 3           |   |                      |  |  |
|  | 40                      |                              |   | 10                                     | · ·                                | 3           |   | _                    |  |  |
| Wholesale Trade  | 42                      | 8                            | 8   |  |                                    |             | -   |                      |  |  |
| Merchant Wholesalers, Durable Goods  | . 423                   | 5                            | 5   |  |                                    |             |   |                      |  |  |
| Retail Trade   | 44-45                   | 14                           | 4   | 8                                      |                                    |             | -   |                      |  |  |
| Food and Beverage Stores   | 445                     | 7                            |   | 7                                      |                                    |             |   |                      |  |  |
| Grocery Stores   | _                       | 7                            |   | 7                                      |                                    |             |   |                      |  |  |
| Supermarkets and Other Grocery (except Convenience) Stores  Nonstore Retailers           | 44511<br>454            | 5<br>3                       |   | 5                                      |                                    |             |   | -                    |  |  |
| Direct Selling Establishments  |                         | 3                            |   |  |                                    |             |   |                      |  |  |
| Transportation and Warehousing   | 48-49                   | 40                           | 29  |  | 5                                  | 3           |   |                      |  |  |
| Truck Transportation   | 484                     | 25                           | 22  |  |                                    |             |   |                      |  |  |
| General Freight Trucking   | _                       | 19                           | 17  |  |                                    |             |   |                      |  |  |
| General Freight Trucking, Long-Distance  | 48412                   | 19                           | 17  |  |                                    |             |   |                      |  |  |
| General Freight Trucking, Long-Distance, Truckload                                       | 484121                  | 8                            | 7   |  |                                    |             | -   |                      |  |  |
| Specialized Freight Trucking   | . 4842<br>48423         | 6<br>4                       | 5<br>3  |  |                                    |             |   |                      |  |  |
| Transit and Ground Passenger Transportation  | 40423                   | 6                            | 4   |  |                                    |             |   |                      |  |  |
| Taxi and Limousine Service   | 4853                    | 5                            | 3   |  |                                    |             |   |                      |  |  |
|  |                         |                              |   |  |                                    |             | 1   |                      |  |  |
| Taxi Service   | 48531<br>493            | 4 3                          |   |  |                                    |             |   |                      |  |  |

Table 3. Fatal occupational injuries by industry and event or exposure, Pennsylvania, 2007 - continued

|  |                         |                              |   |  | Event or e                         | exposure <sup>2</sup> |  |                      |
|--|-------------------------|------------------------------|---|--|------------------------------------|-----------------------|--|----------------------|
| Industry <sup>1</sup>  | NAICS code <sup>1</sup> | Total fatalities<br>(number) | Transpor-<br>tation<br>incidents <sup>3</sup> | Assaults and violent acts <sup>4</sup> | Contact with objects and equipment | Falls                 | Exposure to harmful substances or environments | Fires and explosions |
| Financial Activities   |                         | 6                            | 1   |  | -                                  | 1                     |  | -                    |
| Finance and Insurance  | 52                      | 5                            |   |  |                                    |                       |  |                      |
| Professional and Business Services                                       |                         | 22                           | 7   | 5                                      | 7                                  |                       | 3  |                      |
| Administrative and Support and Waste Management and Remediation Services | 56                      | 19                           | 5   | 4                                      | 7                                  |                       | 3  | -                    |
| Administrative and Support Services                                      | 561                     | 17                           | 4   | 4                                      | 7                                  |                       |  |                      |
| Services to Buildings and Dwellings                                      |                         | 11                           |   |  | 6                                  |                       |  | -                    |
| Landscaping Services   |                         | 9                            |   |  | 6                                  |                       |  | -                    |
| Education and Health Services  |                         | 9                            | 5   |  |                                    |                       |  | -                    |
| Health Care and Social Assistance  | -                       | 8                            | 5   |  |                                    |                       |  |                      |
| Ambulatory Health Care Services  | 621                     | 6                            | 3   |  |                                    |                       |  | -                    |
| Leisure and Hospitality  |                         | 8                            |   | 3                                      |                                    |                       |  |                      |
| Accommodation and Food Services  | . 72                    | 7                            |   | 3                                      |                                    |                       |  | -                    |
| Food Services and Drinking Places  |                         | 5                            |   | 3                                      |                                    |                       |  | -                    |
| Limited-Service Eating Places<br>Limited-Service Eating Places           |                         | 3                            |   | 3                                      |                                    |                       |  | -                    |
| Limited-Service Restaurants  |                         | 3                            |   | 3                                      |                                    |                       |  |                      |
| Other Services   | .                       | 8                            |   | 4                                      |                                    |                       |  |                      |
| Other Services, except Public Administration                             | 81                      | 8                            |   | 4                                      |                                    |                       |  |                      |
| Repair and Maintenance   | 811                     | 5                            |   | 3                                      |                                    |                       |  |                      |
| Automotive Repair and Maintenance  | . 8111                  | 4                            |   | 3                                      |                                    |                       |  |                      |
| Government <sup>6</sup>  |                         | 14                           | 7   |  |                                    |                       |  |                      |
| Federal Government   |                         | 3                            |   |  |                                    |                       |  |                      |
| Service providing  | .                       | 3                            |   |  |                                    |                       |  |                      |
| Local Government   |                         | 10                           | 4   |  |                                    |                       |  |                      |
| Service providing  | .                       | 10                           | 4   |  |                                    |                       |  |                      |
| Education and Health Services  | .                       | 3                            |   |  |                                    |                       |  |                      |
| Public Administration  | .                       | 6                            |   |  |                                    |                       |  |                      |
| Public Administration  | . 92                    | 6                            |   |  |                                    |                       |  |                      |
| Justice, Public Order, and Safety Activities                             | . 922                   | 6                            |   |  |                                    |                       |  |                      |
| Justice, Public Order, and Safety Activities                             |                         | 6                            |   |  |                                    |                       |  |                      |
| Fire Protection  | . 92216                 | 4                            |   |  |                                    |                       |  |                      |

<sup>&</sup>lt;sup>1</sup> Classified according to the North American Industry Classification System, 2002.

NOTE: Totals for major categories may include subcategories not shown separately. Dashes indicate no data reported or data that do not meet publication criteria. Data for 2007 are preliminary.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State and Federal agencies, Census of Fatal Occupational Injuries.

<sup>&</sup>lt;sup>2</sup> Based on the 1992 BLS Occupational Injury and Illness Classification Manual.

<sup>&</sup>lt;sup>3</sup> Includes highway, nonhighway, air, water, rail fatalities, and fatalities resulting from being struck by a vehicle.

<sup>4</sup> Includes violence by persons, self-inflicted injury, and attacks by animals.

Includes violence by persons, sen-ininiced injury, and attacks by animals.

Includes fatalities at all establishments categorized as Mining (Sector 21) in the North American Industry Classification System, 2002, including establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction.

<sup>&</sup>lt;sup>6</sup> Includes fatalities to workers employed by governmental organizations regardless

Table 4. Fatal occupational injuries by occupation and event or exposure, Pennsylvania, 2007

|  | 1                            | 1                                     |  |                                    | 2                     |   |                      |
|--|------------------------------|---------------------------------------|--|------------------------------------|-----------------------|---|----------------------|
|  |                              |                                       |  | Event or e                         | exposure <sup>2</sup> |   |                      |
| Occupation <sup>1</sup>  | Total fatalities<br>(number) | Transportation incidents <sup>3</sup> | Assaults and violent acts <sup>4</sup> | Contact with objects and equipment | Falls                 | Exposure to<br>harmful sub-<br>stances or<br>environments | Fires and explosions |
| Total  | 220                          | 93                                    | 36                                     | 36                                 | 36                    | 12  | 6                    |
| Management occupations   | 20                           | 7                                     |  | 6                                  |                       |   |                      |
| Top executives   | . 7                          |                                       |  |                                    |                       |   |                      |
| Chief executives   | . 5                          |                                       |  |                                    |                       |   |                      |
| Chief executives  Other management occupations   | 5<br>11                      |                                       |  | 5                                  |                       |   |                      |
| Agricultural managers  |                              | 4                                     |  | 5                                  |                       |   |                      |
| Farmers and ranchers   | 7                            |                                       |  | 5                                  |                       |   |                      |
| Healthcare practitioners and technical occupations   |                              |                                       |  |                                    |                       |   |                      |
| Health diagnosing and treating practitioners   | . 3                          |                                       |  |                                    |                       |   |                      |
| Protective service occupations   |                              |                                       | 4                                      |                                    |                       |   |                      |
| Fire fighters  | 3                            |                                       |  |                                    |                       |   |                      |
| Fire fighters  | . 3                          |                                       |  |                                    |                       |   |                      |
| Building and grounds cleaning and maintenance occupations  | . 13                         |                                       |  | 7                                  |                       |   |                      |
| Supervisors, building and grounds cleaning and maintenance workers   | . 3                          |                                       |  |                                    |                       |   |                      |
| First-line supervisors/managers, building and grounds cleaning and maintenance workers   | 3                            |                                       |  |                                    |                       |   |                      |
| First-line supervisors/managers of landscaping, lawn   | ]                            |                                       |  |                                    |                       |   |                      |
| service, and groundskeeping workers  | . 3                          |                                       |  |                                    |                       |   |                      |
| Grounds maintenance workers  | . 8                          |                                       |  | 5                                  |                       |   |                      |
| Grounds maintenance workers  |                              |                                       |  | 5                                  |                       |   |                      |
| Landscaping and groundskeeping workers   | . 5<br>3                     |                                       |  | 3                                  |                       |   |                      |
| Tree trimmers and pruners  | 14                           | 5                                     | 7                                      |                                    |                       |   |                      |
| Supervisors, sales workers   |                              |                                       | 6                                      |                                    |                       |   |                      |
| First-line supervisors/managers, sales workers   |                              |                                       | 6                                      |                                    |                       |   |                      |
| First-line supervisors/managers of retail sales workers  |                              |                                       | 6                                      |                                    |                       |   |                      |
| Office and administrative support occupations  | . 14                         | 9                                     | 4                                      |                                    |                       |   |                      |
| Information and record clerks  Material recording, scheduling, dispatching, and distributing workers   |                              | 5                                     |  |                                    |                       |   |                      |
| Couriers and messengers  |                              | 4                                     |  |                                    | _                     | _   |                      |
| Couriers and messengers  | 5                            | 4                                     |  |                                    |                       |   |                      |
| Farming, fishing, and forestry occupations   |                              | 3                                     |  | 3                                  |                       |   |                      |
| Agricultural workers   | . 5<br>5                     | 3                                     |  |                                    |                       |   |                      |
| Miscellaneous agricultural workers  Agricultural equipment operators   | -                            | 3                                     |  |                                    |                       |   |                      |
| Construction and extraction occupations  | 41                           | 5                                     |  | 8                                  | 22                    | 3   |                      |
| Supervisors, construction and extraction workers   | . 5                          |                                       |  |                                    |                       |   |                      |
| First-line supervisors/managers of construction trades and   | 5                            |                                       |  |                                    |                       |   |                      |
| extraction workers  First-line supervisors/managers of construction trades and   | 5                            |                                       |  |                                    |                       |   |                      |
| extraction workers   | 5                            |                                       |  |                                    |                       |   |                      |
| Construction trades workers  | . 30                         | 3                                     |  | 4                                  | 21                    |   |                      |
| Carpenters   | . 3                          |                                       |  |                                    |                       |   |                      |
| Carpenters  Construction laborers  | . 3<br>10                    |                                       |  |                                    | 7                     |   |                      |
| Construction laborers  |                              |                                       |  |                                    | 7                     |   |                      |
| Construction equipment operators   | 3                            |                                       |  |                                    |                       |   |                      |
| Electricians   | . 3                          |                                       |  |                                    |                       |   |                      |
| Electricians   | . 3                          |                                       |  |                                    |                       |   |                      |
| Roofers  | . 5                          |                                       |  |                                    | 5                     |   |                      |
| Other construction and related workers   | 3                            |                                       |  |                                    | -                     |   |                      |
| Installation, maintenance, and repair occupations  | 15                           | 4                                     | 4                                      |                                    | 5                     |   |                      |
| Electrical and electronic equipment mechanics, installers, and repairers   | . 3                          |                                       |  |                                    |                       |   |                      |
| Other installation, maintenance, and repair occupations  |                              |                                       |  |                                    | 4                     |   |                      |
| Industrial machinery installation, repair, and maintenance workers  Maintenance and repair workers, general  | . 5<br>3                     |                                       |  |                                    | 3                     |   |                      |
| Production occupations   | 17                           | 5                                     |  | 6                                  |                       |   |                      |
| Metal workers and plastic workers  | . 8                          |                                       |  | 4                                  |                       |   |                      |
| Machine tool cutting setters, operators, and tenders, metal and plastic  | . 3                          |                                       |  | 3                                  |                       |   |                      |
| Welding, soldering, and brazing workers  | . 3                          |                                       |  |                                    |                       |   |                      |
| Welders, cutters, solderers, and brazers  Other production occupations   | 3                            |                                       |  |                                    |                       |   |                      |
| Transportation and material moving occupations   |                              | 44                                    | 4                                      | 4                                  | 3                     |   |                      |
| Motor vehicle operators  | . 47                         | 39                                    | 3                                      | 3                                  |                       |   |                      |
| Driver/sales workers and truck drivers   | 39                           | 33                                    |  | 3                                  |                       |   |                      |
| Driver/sales workers   | . 5<br>32                    | 4<br>27                               |  |                                    |                       |   |                      |
| Truck drivers, heavy and tractor-trailer   |                              | 3                                     |  | 3                                  |                       |   |                      |
| Taxi drivers and chauffeurs  | 5                            | 3                                     |  |                                    |                       |   |                      |
| Material moving workers  | . 8                          | 4                                     |  |                                    |                       |   |                      |
| I also associate and associate associate and associate and associate associate and ass | . 6                          | 1                                     | l                                      | l                                  |                       | 1   | i                    |
| Laborers and material movers, hand  Laborers and freight, stock, and material movers, hand   | 4                            |                                       |  |                                    |                       |   |                      |

<sup>&</sup>lt;sup>1</sup> Based on the 2000 Standard Occupational Classification System.

NOTE: Totals for major categories may include subcategories not shown separately. Dashes indicate no data reported or data that do not meet publication criteria. Data for 2007 are preliminary.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State and Federal agencies, Census of Fatal Occupational Injuries

 $<sup>^{2}</sup>$  Based on the 1992 BLS Occupational Injury and Illness Classification Manual.

 $<sup>^{\</sup>rm 3}$  Includes highway, nonhighway, air, water, rail fatalities, and fatalities resulting from being struck by a vehicle.

<sup>&</sup>lt;sup>4</sup> Includes violence by persons, self-inflicted injury, and attacks by animals.