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National Census of Fatal Occupational Injuries in 2001

A total of 8,786 fatal work injuries were reported in 2001, including fatalities related to the September 11th terrorist attacks, according to the Census of Fatal Occupational Injuries, Bureau of Labor Statistics, U.S. Department of Labor. A total of 2,886 work-related fatalities resulted from the events of September 11th. Excluding these fatalities, the overall workplace fatality count was 5,900 for 2001.

Profile of fatal work injuries resulting from the September 11th attacks

Most of the more than 3,000 people killed were at work (as defined by the fatality census) in the World Trade Center or the Pentagon, were on business travel or were crew aboard the commercial airliners that crashed in Pennsylvania, New York City, and Virginia, or were involved in rescue duties. The events of that day killed 2,886 workers from a wide range of backgrounds - janitors to managers, native and foreign-born workers, and the young and the old. (See tables A. and B.)

Industry

Seventy-eight percent of the 2,198 non-rescue workers killed in the World Trade Center were working in the finance, insurance, and real estate industry. All of the 412 fatally injured rescue workers were killed at the World Trade Center; 99 percent worked for state and local government. Of the 125 workers killed at the Pentagon, 91 percent were civilian or military federal government employees. Of the 151 workers who were killed on the planes that crashed in Pennsylvania, Virginia, and New York City, 39 percent were employed in the services industry.

Occupation

Of the rescue workers fatally injured, 335 were firefighters and 61 were police or detectives. Fifty percent of the other workers fatally injured in the World Trade Center were employed as managerial or professional specialty workers. Forty-three percent of the workers fatally injured at the Pentagon were working in military occupations and slightly less than half, 47 percent, were working in civilian managerial and professional specialty occupations.

Twenty five of the workers killed on the passenger airliners were flight attendants, 8 were pilots. The majority of the workers killed on the airliners, 69 percent, were in managerial and professional specialty occupations.

Worker characteristics

Of the fatally injured workers in the World Trade Center, 66 percent were between the ages of 25 and 44, 9 percent were black, 10 percent were Hispanic, and 26 percent were women. Of those working in the Pentagon office building, 54 percent were between the ages of 25 and 44, 33 percent were black, 4 percent were Hispanic, and 37 percent were women. Of the workers involved in the rescue efforts, 70 percent were between the ages of 25 and 44. Ninety-nine percent were male. Of the workers on the passenger airliners 62 percent were men, 7 percent were black, and 5 percent were Hispanic.

Overall, two-thirds of the workers fatally injured on September 11th were over 34 years old and 23 percent were women. Almost 20 percent of the workers were foreign-born.

Profiles of 2001 fatal work injuries excluding fatalities resulting from the September 11th attacks

Excluding the fatalities on September 11th, the overall workplace fatality count of 5,900 for 2001 was down slightly, less than 1 percent from 2000. Total employment also declined slightly in 2001. As a result, the occupational fatality rate was the same in 2001 as in 2000, 4.3 fatalities per 100,000 employed.

The construction industry, with fatalities at their highest level since the fatality census was first conducted in 1992, continued to report the largest number of fatal work injuries of any industry. From 2000 to 2001, decreases in fatalities from transportation incidents and job-related homicides were offset by increases in fatalities from falls and from electrocutions.

Profile of 2001 fatal work injuries (excluding September 11th) by type of incident

Fatalities resulting from transportation incidents decreased for the third year in a row, from 2,573 in 2000 to 2,517 in 2001. Highway incidents, however, increased about 3 percent from 2000 and continued to be the leading cause of on-the-job fatalities. Fatal work injuries resulting from workers being struck by vehicles or mobile equipment also increased slightly in 2001. In contrast, the number of workers killed in non-highway incidents, aircraft incidents, and railway incidents decreased. Non-highway fatal incidents, which include tractor and forklift overturns, were at their lowest levels since the census began in 1992.

Work-related homicides, at 639 (excluding fatalities resulting from September 11th), fell to their lowest levels since the census began; the record high was 1,080 in 1994. Homicides among technical, sales, and administrative support workers decreased 14 percent to 203 fatalities. However, homicides increased sharply among workers in service occupations, which include police and detectives, food preparation workers, barbers, and hairdressers. The number of workplace suicides and fatal assaults by animals increased slightly.

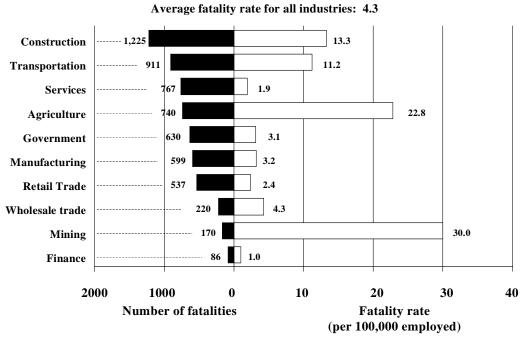
Chart 1: The three most frequent work-related fatal events, 1992-2001

104/ - Falls - Homicides

Number of fatalities

SOURCE: US Department of Labor, Bureau of Labor Statistics, Census of Fatal Occupational Injuries, 2001

Chart 2: Numbers and rates of fatal occupational injuries by industry division, 2001



SOURCE: US Department of Labor, Bureau of Labor Statistics, Census of Fatal Occupational Injuries, 2001

Rate = (Fatal work injuries/Employment) x 100,000 workers. Employment data extracted from the 2001 Current Population Survey (CPS).

Fatalities resulting from falls increased to 808 in 2001, a 10 percent rise over 2000 levels. This was the highest total since the fatality census began in 1992. Falls to lower levels increased by 39 to 698 in 2001. Falls on the same level increased by 28 to a ten-year high of 84 in 2001.

Fatal falls in the construction industry increased 13 percent from 2000 levels and accounted for over half of all fatal falls. Worker deaths resulting from electrocutions and from fires and explosions increased to levels of the late 1990's after falling to a near 10-year low in 2000.

Profile of fatal work injuries by industry

While fatalities in the construction industry increased 6 percent in 2001 to a record high, fatalities in manufacturing decreased 10 percent from 2000 to their lowest recorded level since the census began in 1992. Other industries showing decreases in work-related fatalities were transportation and public utilities, wholesale trade, and retail trade. The decrease in retail trade fatalities was largely a result of the decline in workplace homicides. Fatalities to workers in services remained relatively unchanged, while fatalities in agriculture, forestry and fishing; finance, insurance, and real estate; and mining increased. Fatalities in government (excluding September 11th) increased 10 percent from 2000.

Occupational fatality rates in 2001 were highest in the mining; agriculture; forestry and fishing; construction; and transportation industries. The fatality rate for the mining industry, which includes oil and gas extraction, remained at 30.0 fatal work injuries per 100,000 workers for the second year in a row, the highest fatality rate. The agriculture, forestry and fishing industry had the second highest rate, at 22.8 fatalities per 100,000 employed. The private sector construction industry reported 13.3 fatalities per 100,000 employed, and the rate was 11.2 fatalities per 100,000 employed in the transportation industry.

Profile of fatal work injuries by occupation

Operators, fabricators, and laborers again recorded the largest number of fatal work injuries of any occupational group, accounting for more than one out of every three fatalities in 2001. However, the number of fatalities in this occupational group dropped 4 percent for the second year in a row. Most of this decrease resulted from fewer fatalities among motor vehicle operators, particularly truck drivers. There also were fewer fatalities among material moving equipment operators, machine operators, and workers in railroad transportation and water transportation. Fatalities among handlers, equipment cleaners, helpers, and laborers increased, mainly due to an increase in fatalities to construction laborers; fatalities to non-construction laborers decreased.

Service occupations showed an increase of 18 percent in fatalities, the highest percentage increase among the major occupation categories. Within this occupation group, police and detectives, including supervisors, had the highest number of fatalities. Fatalities in personal service occupations increased from 37 in 2000 to 59 in 2001. Precision production, craft, and repair occupations showed a small increase in the number of fatalities (3 percent). However, within this occupation group, fatalities in the extractive occupations (drillers and mining machine operators) increased from a low of 47 in 1999 to match its 10 year high of 97 fatalities in 1993.

While fatalities to truck drivers declined by 6 percent, they continued to incur more workplace fatalities than any other individual occupation. Truck drivers reported a rate of 25.3 workplace fatalities per 100,000 employed. Farm occupations had the second highest number of fatalities with 499 and rate of 27.9 fatalities, which increased from the previous year. Other occupations that typically have large numbers of worker fatalities but showed decreasing fatalities in 2001 included timber cutters; groundskeepers and gardeners; and aircraft pilots.

Fatalities to workers in military occupations increased over 25 percent from 87 in 2000 to 110 in 2001 (excluding September 11th). Almost half of these fatalities resulted from aircraft crashes. The occupational fatality rate for military occupations increased in 2001 to 9.3 fatalities per 100,000 employed.

Profile of fatal work injuries by demographic characteristics

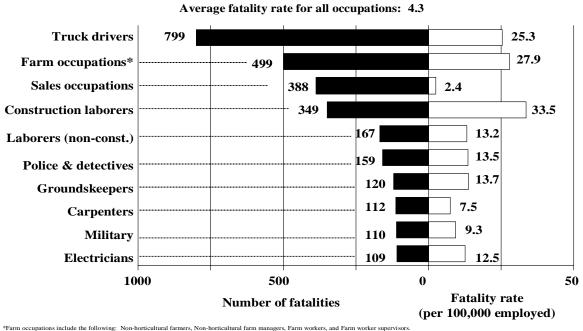
Fatal injuries to Hispanic or Latino workers were up 9 percent, from 815 in 2000 to 891 in 2001 (excluding September 11th). This resulted from a rise in Hispanic worker fatalities in the services and agriculture industries, rather than in construction as in prior years. Fatalities to white (non-Hispanic) workers fell for the sixth year in a row; fatalities among black (non-Hispanic) workers fell for the second year in a row. Fatal work injuries to men were down slightly, although fatalities to women increased by 5 percent over 2000. The number of occupational fatalities to the self-employed were down by 5 percent to their lowest level recorded since 1992.

On average, about 16 workers were fatally injured each day during 2001. The total number of multiple fatality incidents (incidents that resulted in two or more worker deaths) decreased from 214 in 2000 to 197 in 2001. However, the total number of job-related deaths in multiple fatality incidents increased from 531 in 2000 to 563 in 2001 (excluding September 11th).

Profile of fatal work injuries by state and region

Twenty-six states and the District of Columbia reported fewer fatal work injuries in 2001 than in 2000. The number of work injuries also declined in 2 of the 4 census regions in 2001. For state results beyond those presented here, please contact the individual state agency responsible for the collection of CFOI data in that state. A list of those agencies, with telephone numbers, is provided in table 6.

Chart 3: Numbers and rates of fatal occupational injuries for selected occupations, 2001



**arm occupations include the following: Non-horticultural farmers, Non-horticultural farm managers, Farm workers, and Farm workers supervisors.
Rate = (Fatal work injuries/Employment) x 100,000 workers. Employment data extracted from the 2001 Current Population Survey (CPS). The fatality rates were calculated using employment as the denominator; employment-based rates measure the risk for those employed during a given period of time, regardless of exposure hours.

Background of the program

The Census of Fatal Occupational Injuries, part of the BLS occupational safety and health statistics program, provides the most complete count of fatal work injuries available. The program uses diverse state and federal data sources to identify, verify, and profile fatal work injuries. Information about each workplace fatality (occupation and other worker characteristics, equipment being used, and circumstances of the event) is obtained by cross-referencing source documents, such as death certificates, workers' compensation records, and reports to federal and state agencies. This method assures counts are as complete and accurate as possible.

This is the tenth year that the fatality census has been conducted in all 50 states and the District of Columbia. The BLS fatality census is a federal/state cooperative venture in which costs are shared equally. Additional state-specific data are available from the participating agencies, listed in table 6.

Another BLS program, the Survey of Occupational Injuries and Illnesses, profiles worker and case characteristics of nonfatal workplace injuries and illnesses that result in lost worktime and presents frequency counts and incidence rates by industry. Copies of the news release on nonfatal injuries and illnesses in 2000 are available from BLS by calling (202) 691-6179 or by accessing the website listed below. Incidence rates for 2001 by industry will be published in December 2002, and information on 2001 worker and case characteristics will be available in April 2003. For additional data, access the BLS Internet site: http://www.bls.gov/iif/.

To request a copy of BLS Report 961 which includes several articles and highlights 2000 fatality data, e-mail your address to CFOIstaff@bls.gov or write to Bureau of Labor Statistics, 2 Massachusetts Avenue, NE, Room 3180, Washington, DC 20212.

| Characteristics | | tal | | ouilding | Passeng | er airliner | Rescue efforts | |
|--|--------|---------|--------|----------|---------|-------------|----------------|--------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percen |
| Total | 2,886 | 100 | 2,323 | 100 | 151 | 100 | 412 | 100 |
| Industry | - | | | | | | | |
| • | 0.004 | 70 | 0.440 | | | | | |
| Private industry | 2,264 | 78 | 2,119 | 91 | 141 | 93 | - | - |
| Construction | 58 | 2 | 57 | 2 | - | - | - | - |
| General building contractors | 12 | (1) | 11 | (1) | - | - | - | - |
| Heavy construction, except building | 13 | (1) | 13 | 1 | - | - | - | - |
| Special trade contractors | 32 | 1 | 32 | 1 | - | - | - | - |
| Transportation and public utilities | 78 | 3 | 35 | 2 | 42 | 28 | - | - |
| Transportation by air | 37 | 1 | - | - | 36 | 24 | - | - |
| Wholesale trade | 27 | 1 | 18 | 1 | 9 | 6 | - | - |
| Retail trade | 118 | 4 | 108 | 5 | 10 | 7 | - | - |
| Eating and drinking places | 103 | 4 | 103 | 4 | - | - | _ | _ |
| 5 ST | 1,715 | 59 | 1,708 | 74 | 7 | 5 | _ | _ |
| Finance, insurance, and real estate | - | | | | | 5 | - | - |
| Depository institutions | 192 | 7 | 192 | 8 | - | - | - | - |
| Security and commodity brokers | 973 | 34 | 971 | 42 | - | - | - | - |
| Insurance carriers | 202 | 7 | 202 | 9 | - | - | - | - |
| Insurance agents, brokers, and service | 330 | 11 | 329 | 14 | - | - | - | - |
| Real estate | 13 | (1) | 12 | 1 | - | - | - | - |
| Holding and other investment offices | 5 | (1) | - | - | 3 | 2 | - | - |
| Services | 230 | 8 | 168 | 7 | 59 | 39 | 3 | 1 |
| Business services | 141 | 5 | 120 | 5 | 21 | 14 | _ | - |
| Government ² | 622 | 22 | 204 | 9 | 10 | 7 | 408 | 99 |
| Federal government (including resident | | ~~~ | | _ | - | | 400 | 00 |
| armed forces) | 124 | 4 | 116 | 5 | 7 | 5 | - | - |
| | 118 | 4 | 114 | 5 | 4 | 3 | - | |
| National security | | | | | | | | - |
| State government | 49 | 2 | 43 | 2 | 3 | 2 | 3 | 1 |
| Local government | 449 | 16 | 45 | 2 | - | - | 404 | 98 |
| Police protection | 25 | 1 | - | - | - | - | 23 | 6 |
| Fire protection | 344 | 12 | - | - | - | - | 343 | 83 |
| Administration of economic programs | 79 | 3 | 41 | 2 | - | - | 38 | 9 |
| Occupation | | | | | | | | |
| Managerial and professional specialty | 1,271 | 44 | 1,157 | 50 | 104 | 69 | 10 | 2 |
| Executive, administrative, and managerial | 1,072 | 37 | 993 | 43 | 70 | 46 | 9 | 2 |
| Professional specialty | 199 | 7 | 164 | 7 | 34 | 23 | - | |
| Technical, sales, and administrative | | | - | | - | _ | | |
| support | 930 | 32 | 905 | 39 | 19 | 13 | 6 | 1 |
| Technicians and related support occupations. | 92 | 3 | 78 | 3 | 8 | 5 | 6 | 1 |
| | 8 | (1) | 10 | 5 | 0 | 5 | 6 | 1 |
| Health technologists and technicians | 8 | | - | - | 8 | 5 | - | ' |
| Airplane pilots and navigators | - | (1) | - | - | - | _ | - | - |
| Sales occupations | 565 | 20 | 557 | 24 | 8 | 5 | - | - |
| Service occupations | 549 | 19 | 128 | 6 | 25 | 17 | 396 | 96 |
| Protective service occupations | 433 | 15 | 37 | 2 | - | - | 396 | 96 |
| Firefighting, including supervisors | 336 | 12 | - | - | - | - | 335 | 81 |
| Police and detectives, including | 64 | 2 | 2 | (1) | | | 61 | 15 |
| supervisors | 64 | 2 | 3 | (1) | - | - | 61 | 15 |
| Guards, including supervisors | 33 | 1 | 33 | 1 | - | - | - | - |
| Food preparation and service occupations | 64 | 2 | 64 | 3 | - | - | - | - |
| Cleaning and building service | 25 | 1 | 25 | 1 | - | - | - | - |
| | 27 | 1 | 20 | - | 25 | 17 | | _ |
| Personal service occupations | | 1 | - | | | | - | - |
| Transportation attendants | 25 | | - | - | 25 | 17 | - | - |
| Precision production, craft, and repair | 61 | 2 | 60 | 3 | - | - | - | - |
| Mechanics and repairers | 20 | 1 | 20 | 1 | - | - | - | - |
| Construction trades | 39 | 1 | 38 | 2 | - | - | - | - |
| Onerstern febricators and laborars | 14 | (1) | 12 | 1 | - | - | - | - |
| Operators, fabricators, and laborers | ••• | () | | | | | | |

where 11, 2001, by inductory and economic

¹Less than 0.5 percent.

² Includes fatalities to workers employed by governmental organizations regardless of industry NOTE: These totals include work-related fatalities only. They may differ from totals published by other organizations primarily due to the differences in how work relationship, industry and occupation are categorized. Totals for major categories may include subcategories not shown separately. Percentages may not add to totals because of rounding. Dashes indicate no data reported or

data that do not meet publication criteria. SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with state, New York City, and federal agencies, Census of Fatal Occupational Injuries.

| Characteristics | Total | | Office building | | Passenger airliner | | Rescue efforts | |
|------------------------------------|--------|---------|-----------------|---------|--------------------|---------|----------------|---------|
| Characteristics | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Total | 2,886 | 100 | 2,323 | 100 | 151 | 100 | 412 | 100 |
| State | | | | | | | | |
| New York (New York City only) | 2,699 | 94 | 2,198 | 95 | 89 | 59 | 412 | 100 |
| Virginia | 165 | 6 | 125 | 5 | 40 | 26 | - | - |
| Pennsylvania | 22 | 1 | - | - | 22 | 15 | - | - |
| Sex | | | | | | | | |
| Men | 2,212 | 77 | 1,710 | 74 | 93 | 62 | 409 | 99 |
| Women | 674 | 23 | 613 | 26 | 58 | 38 | 3 | 1 |
| Age | | | | | | | | |
| 20 to 24 years | 112 | 4 | 104 | 4 | 4 | 3 | 4 | 1 |
| 25 to 34 years | 822 | 28 | 682 | 29 | 32 | 21 | 108 | 26 |
| 35 to 44 years | 1,068 | 37 | 831 | 36 | 56 | 37 | 181 | 44 |
| 45 to 54 years | 608 | 21 | 465 | 20 | 43 | 28 | 100 | 24 |
| 55 to 64 years | 237 | 8 | 211 | 9 | 13 | 9 | 13 | 3 |
| 65 and over | 30 | 1 | 25 | 1 | 3 | 2 | - | - |
| Race or ethnic origin ¹ | | | | | | | | |
| White | 2,122 | 74 | 1,653 | 71 | 117 | 77 | 352 | 85 |
| Black or African American | 261 | 9 | 232 | 10 | 10 | 7 | 19 | 5 |
| Hispanic or Latino ² | 259 | 9 | 231 | 10 | 8 | 5 | 20 | 5 |
| Asian | 149 | 5 | 142 | 6 | 6 | 4 | - | - |
| Native Hawaii or Pacific Islander | 29 | 1 | 29 | 1 | - | - | - | - |
| Other races or not reported | 63 | 2 | 33 | 1 | 10 | 7 | 20 | 5 |

Table B. Fatal occupational injuries from events on September 11, 2001, by selected demographic characteristics

¹ The categories "White" and "Black or African American" do not include "Hispanic or Latino" persons. ² Persons identified as Hispanic may be of any race. NOTE: These totals include work-related fatalities only. They may differ from totals published by other organizations primarily due to the differences in how work relationship, industry and occupation are categorized. Totals for major categories may include subcategories not shown separately. Percentages may not add to totals because of rounding. Dashes indicate no data reported or data that do not meet publication criteria.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with state, New York City and federal agencies, Census of Fatal Occupational Injuries.

Table 1. Fatal occupational injuries by event or exposure, 1996-2001

| | Fatalities | | | | | |
|---|--|---|---|---|--|--|
| Event or exposure ¹ | 1996-2000 | 2000 ² | 200 |)1 | | |
| | average | Number | Number | Percent | | |
| Total, including fatalities from September 11th | N/A | N/A | 8,786 | | | |
| Total, excluding fatalities from September 11th | 6,094 | 5,920 | 5,900 | 100 | | |
| Transportation incidents Highway Collision between vehicles, mobile equipment Moving in same direction Moving in opposite directions, oncoming Moving in intersection Vehicle struck stationary object or equipment Noncollision Jackknifed or overturnedno collision Nonhighway (farm, industrial premises) Overturned Aircraft | 2,608 1,408 685 117 247 151 289 372 298 378 212 263 376 105 | 2,573 1,365 696 136 243 154 279 356 304 399 213 280 370 84 | 2,517 1,404 723 142 256 137 295 339 273 324 157 247 383 90 | 43 24 12 2 4 2 5 6 5 5 3 4 6 2 | | |
| Rail vehicle Assaults and violent acts Homicides Shooting Stabbing Other, including bombing Self-inflicted injuries | 71 1,015 766 617 68 80 216 | 71 930 677 533 66 78 221 | 62 902 639 505 58 76 228 | 1 15 11 9 1 1 4 | | |
| Contact with objects and equipment | 1,005 567 364 57 293 157 128 | 1,006 571 357 61 294 157 123 | 962 553 343 60 266 144 122 | 16 9 6 1 5 2 2 | | |
| Falls. Fall to lower level. Fall from ladder. Fall from roof. Fall from scaffold Fall on same level. | 714 636 106 153 90 55 | 734 659 110 150 85 56 | 808 698 122 159 91 84 | 14 12 2 3 2 1 | | |
| Exposure to harmful substances or environments Contact with electric current Contact with overhead powerlines Contact with temperature extremes Exposure to caustic, noxious, or allergenic substances Inhalation of substance Oxygen deficiency Drowning, submersion | 535 290 132 40 112 57 92 73 | 481 256 128 29 100 48 94 75 | 499 285 124 35 96 49 83 59 | 8 5 1 2 1 1 1 | | |
| Fires and explosions | 196 | 177 | 188 | 3 | | |
| Other events or exposures ³ | 20 | 19 | 24 | - | | |

¹ Based on the 1992 BLS Occupational Injury and Illness Classification Structures. ² The BLS news release issued Aug. 14, 2001, reported a total of 5,915 fatal work injuries for calendar year 2000. Since then, an additional 5 job-related fatalities were identified, bringing the total job-related fatality count for 2000 to 5,920.

³ Includes the category "Bodily reaction and exertion." NOTE: Totals for major categories may include subcategories not shown separately. Percentages may not add to totals because of rounding. Dashes indicate less than 0.5 percent. SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, in cooperation with state, New York City, District of Columbia,

and federal agencies, Census of Fatal Occupational Injuries, 1996-2001.

Table 2. Fatal occupational injuries and employment by industry, 2001

| | | | | | Employment ³ | Fatalities | Relative | |
|--|--------------------------|--------------------------------|---------------------------------|---------------------------------|-------------------------|---|------------------------------|--------------------------|
| Industry | SIC Code ¹ | 1996- 2000 average | 2000 (revised) ² | 2001 | | (in thousands) | per 100,000 | standard |
| | | Number | Number | Number | Percent | Number | $employed^4$ | error ⁵ |
| Total, including fatalities from September 11th | | N/A | N/A | 8,786 | | 136,252 | 6.4 | .1 |
| Total, excluding fatalities from September 11th | | 6,094 | 5,920 | 5,900 | 100 | 136,252 | 4.3 | .1 |
| Private industry | | 5,501 | 5,347 | 5,270 | 89 | 115,934 | 4.5 | .2 |
| Agriculture, forestry, and fishing Agricultural production – crops Agricultural production – livestock Agricultural services | 01 02 07 | 803 345 162 179 | 720 277 132 213 | 740 301 128 191 | 13 5 2 3 | 3,208 888 966 1,277 | 22.8 33.3 13.0 15.0 | 1.4 2.7 2.6 2.3 |
| Mining ⁶ Coal mining Oil and gas extraction | 12 13 | 147 35 75 | 156 40 83 | 170 42 98 | 3 1 2 | 566 88 353 | 30.0 47.7 27.8 | 3.4 8.7 4.4 |
| Construction General building contractors Heavy construction, except building Special trades contractors | 15 16 17 | 1,135 190 267 663 | 1,155 175 284 673 | 1,225 201 267 735 | 21 3 5 12 | 9,125 - - - | 13.3 - - - | .8 - - |
| Manufacturing Food and kindred products Lumber and wood products | 20 24 | 711 75 190 | 668 68 186 | 599 57 151 | 10 1 3 | 18,897 1,632 691 | 3.2 3.5 21.9 | .6 2.0 3.1 |
| Transportation and public utilities Local and interurban passenger transportation Trucking and warehousing Transportation by air Electric, gas, and sanitary services | 41 42 45 49 | 971 91 566 89 86 | 957 84 566 97 84 | 911 80 533 85 88 | 15 1 9 1 | 8,131 622 2,691 884 982 | 11.2 12.9 19.8 9.6 | .9 3.3 1.6 2.7 |
| Wholesale trade | | 242 | 230 | 220 | 4 | 5,086 | 4.3 | 1.1 |
| Retail trade Food stores Automotive dealers and service stations Eating and drinking places | 54 55 58 | 606 154 102 142 | 594 145 95 138 | 537 132 83 147 | 9 2 1 2 | 22,478 2,862 - 6,870 | 2.4 | .5 - 1.0 |
| Finance, insurance, and real estate | | 98 | 79 | 86 | 1 | 8,616 | 1.0 | .9 |
| Services Business services Automotive repair, services, and parking | 73 75 | 754 181 122 | 769 199 132 | 767 191 115 | 13 3 2 | 39,904 9,698 - | 1.9 2.0 - | .4 .8 - |
| Government ⁷ Federal (including resident armed forces) State Local Police protection | 9221 | 593 161 122 306 99 | 573 149 109 311 112 | 630 161 112 332 121 | 11 3 2 6 2 | 20,318 4,436 5,678 10,205 - | 3.1 3.6 2.0 3.3 | .5 1.2 1.1 .8 |

¹ Standard Industrial Classification Manual, 1987 Edition.

² The BLS news release issued Aug. 14, 2001, reported a total of 5,915 fatal work injuries for calendar year 2000. Since then, an additional 5 job-related fatalities were identified, bringing the total job-related fatality count for 2000 to 5,920.

³ Employment is an annual average of employed civilians 16 years of age and older from the Current Population Survey, 2001, adjusted to include data for resident armed forces from the Department of Defense.

⁴ The employment figures, except for military, are annual average estimates of employed civilians, 16 years of age and older, from the Current Population Survey (CPS), 2001. The resident military figure, obtained from the Department of Defense, was added to the CPS employment total. ⁵ The rate represents the number of fatal occupational injuries per 100,000 employed workers and was calculated as follows: (N/W) x 100,000, where N = the number of fatal work injuries, and W = the number of fatal work injuries, and W = the number of employed workers. There were 20 fatally injured workers under the age of 16 years that were not included in the rate calculations to maintain consistency with the CPS employment.

⁶Includes fatalities at all establishments categorized as Mining (Division B) in the Standard Industrial Classification Manual, 1987 Edition, including establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction. ⁷Includes fatalities to workers employed by government organizations regardless of industry.

NOTE: Totals for major categories may include subcategories not shown separately. Percentages may not add to totals because of rounding. There were 15 fatalities for which there was insufficient information to determine a specific industry classification, although a distinction between private sector and government was made for each. Dashes indicate less than 0.5 percent or data that are not available or that do not meet publication criteria.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, in cooperation with state, New York City, District of Columbia, and federal agencies, Census of Fatal Occupational Injuries, 1996-2001.

Table 3. Fatal occupational injuries by occupation and selected event or exposure, 2001

| Occupation ¹ | Fata | lities | (p | Selected event or exposure ² (percent of total for occupation) | | | | |
|--|------------|---------|----------------------|---|---------------------|------------------------|--|--|
| | Number | Percent | Highway ³ | Homicide | Struck by object | Fall to lower level | | |
| Total, including fatalities from September 11th | 8,786 | | | | | | | |
| Total, excluding fatalities from September 11th | 5,900 | 100 | 24 | 11 | 9 | 12 | | |
| Managerial and professional specialty Executive, administrative, and managerial | 637 378 | 11 6 | 23 20 | 19 24 | 5 5 | 8 10 | | |
| Managers, food serving and lodging establishments Professional specialty | 63 259 | 1 4 | - 27 | 67 11 | - 5 | - 7 | | |
| Technical, sales, and administrative support | 641 154 | 11 3 | 25 20 | 32 3 | 3 | 4 3 | | |
| Airplane pilots and navigators | 87 | 1 | - | - | - | - | | |
| Sales occupations | 388 | 7 | 23 | 47 | 2 | 3 | | |
| Supervisors and proprietors, sales occupations | 191 | 3 | 18 | 53 | 3 | 3 | | |
| Sales workers, retail and personal services | 148 | 3 | 17 | 51 | - | 4 | | |
| Cashiers Administrative support occupations, including clerical | 55 99 | 1 2 | 39 | 82 16 | - 8 | - 7 | | |
| Service occupations. | 511 | 9 | 19 | 33 | 3 | 6 | | |
| Protective service occupations | 287 | 5 | 24 | 35 | 4 | 3 | | |
| Firefighting occupations, including supervisors | 50 | 1 | 22 | - | | - | | |
| Police and detectives, including supervisors | 159 | 3 | 34 | 39 | - | - | | |
| Guards, including supervisors | 78 | 1 | - | 49 | 9 | - | | |
| Cleaning and building services | 78 | 1 | 12 | 13 | - | 24 | | |
| Farming, forestry, and fishing | 805 | 14 | 13 | 1 | 18 | 7 | | |
| Farm operators and managers | 321 | 5 | 12 | - | 17 | 4 | | |
| Farmers, except horticultural | 305 | 5 | 11 | - | 16 | 4 | | |
| Managers, farms, except horticultural | 11 | 0 | - | - | - | - | | |
| Other agricultural and related occupations | 327 | 6 | 19 | - | 9 | 13 | | |
| Farm occupations, except managerial Farm workers, including supervisors | 185 170 | 3 3 | 23 22 | - | 6 | 5 6 | | |
| Related agricultural occupations | 142 | 2 | 15 | - | 6 13 | 22 | | |
| Groundskeepers and gardeners, except farm | 120 | 2 | 12 | - | 15 | 23 | | |
| Forestry and logging occupations | 95 | 2 | - | - | 63 | 6 | | |
| Timber cutting and logging occupations | 82 | 1 | - | - | 67 | 6 | | |
| Fishers, hunters, and trappers | 62 | 1 | - | - | - | - | | |
| Fishers, including vessel captains and officers | 62 | 1 | - | - | - | - | | |
| Precision production, craft, and repair | 1,140 | 19 | 11 | 3 | 11 | 29 | | |
| Mechanics and repairers | 287 | 5 | 15 | 4 | 20 | 11 | | |
| Construction trades | 666 | 11 | 8 | 2 | 5 | 42 | | |
| Carpenters and apprentices | 112 | 2 | 6 | - | 4 | 62 | | |
| Electricians and apprentices | 109 | 2 | 8 | - | - | 16 | | |
| Roofers | 78 | 1 | - | - | - | 72 | | |
| Structural metal workers Extractive occupations | 45 97 | 1 2 | 12 | - | 21 | 87 | | |
| Operators, fabricators, and laborers | 2,043 | 35 | 37 | 5 | 10 | 10 | | |
| Machine operators, assemblers, and inspectors | 2,043 | 4 | 5 | 2 | 15 | 10 | | |
| Transportation and material moving occupations | 1,185 | 20 | 55 | 6 | 8 | 3 | | |
| Motor vehicle operators | 966 | 16 | 65 | 7 | 5 | 3 | | |
| Truck drivers | 799 | 14 | 68 | 2 | 6 | 3 | | |
| Taxicab drivers and chauffeurs | 62 | 1 | 40 | 55 | - | - | | |
| Material moving equipment operators | 183 | 3 | 11 | - | 20 | 8 | | |
| Handlers, equipment cleaners, helpers, and laborers | 650 | 11 | 14 | 3 | 14 | 20 | | |
| Construction laborers Laborers, except construction | 349 167 | 6 3 | 13 | - 4 | 13 14 | 26 14 | | |
| | | | 14 | 4 | | 14 | | |
| Military ⁴ | 110 | 1 | 15 | - | 6 | - 1 | | |

¹ Based on the 1990 Occupational Classification System developed by the Bureau of the Census.

² The figure shown is the percent of the total fatalities for that occupational group.

³ "Highway" includes deaths to vehicle occupants resulting from traffic incidents that occur on the public roadway, shoulder, or surrounding area. It excludes incidents occurring entirely off the roadway, such as in parking lots and on farms; incidents involving trains; and deaths to pedestrians or other nonpassengers.

⁴Resident armed forces.

NOTE: Totals for major categories may include subcategories not shown separately. Percentages may not add to totals because of rounding. There were 13 fatalities for which there was insufficient information to determine an occupation classification. Dashes indicate less than 0.5 percent or data that are not available or that do not meet publication criteria.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, in cooperation with state, New York City, District of Columbia, and federal agencies, Census of Fatal Occupational Injuries, 2001.

Table 4. Fatal occupational injuries and employment by selected worker characteristics, 2001

| Characteristics | Fata | lities | Employment (in thousands) ¹ | | Most frequent events ² | |
|---|-----------------|--------------|---|-------------|--|--|
| | Number | Percent | Number | Percent | (percent of total) | |
| Total, including fatalities from Sept. 11th | 8,786 | | | | | |
| Total, excluding fatalities from Sept. 11th | 5,900 | 100 | 136,252 | 100 | Highway (24), falls (14) | |
| Employee status | | | | | | |
| Wage and salary workers Self-employed ³ | 4,770 1,130 | 81 19 | 126,298 9,954 | 93 7 | Highway (26), falls (14) Homicides (15), highway (14) | |
| Sex | | | | | | |
| Men Women | 5,429 471 | 92 8 | 73,087 63,164 | 54 46 | Highway (23), falls (14) Highway (29), homicides (27) | |
| Age ⁴ | | | | | | |
| Under 16 years 16 to 17 years | 20 33 122 | - 1 | 2,576 | - 2 3 | Nonhighway (25) Highway (30) | |
| 18 to 19 years 20 to 24 years | 440 1,140 | 2 7 19 | 4,432 13,682 30,091 | 10 22 | Highway (25), homicides (11) Highway (24), falls (15) Highway (27), falls (12) | |
| 25 to 34 years 35 to 44 years | 1,474 | 25 | 36,474 | 27 | Highway (27), falls (12) Highway (23), homicides (12) | |
| 45 to 54 years 55 to 64 years | 1,363 773 | 23 13 | 30,627 14,135 | 22 10 | Highway (23), falls (14) Highway (24), falls (14) | |
| 65 years and over Race or ethnic origin⁵ | 529 | 9 | 4,175 | 3 | Falls (20), highway (20) | |
| White | 4.168 | 71 | 99.963 | 73 | Highway (25), falls (14) | |
| Black or African American | 563 | 10 | 14,815 | 11 | Highway (28), homicides (20) | |
| Hispanic or Latino | 891 | 15 | 14,815 | 11 | Highway (19), falls (18) | |
| American Indian or Alaskan Native | 48 | 1 | - | - | Highway (23), aircraft (21) | |
| Asian Native Hawaiian or Pacific Islander | 172 9 | 3 | - | - | Homicides (41), falls (13) | |
| Multiple races | 6 | - | - | _ | - | |
| Other races or not reported | 43 | 1 | - | - | Homicides (30), highway (19) | |

¹ Employment is an annual average of employed civilians 16 years of age and older, plus resident armed forces, from the Current Population Survey, 2001, adjusted to include data for resident armed forces from the Department of Defense.

² "Highway" includes deaths to vehicle occupants resulting from traffic incidents that occur on the public roadway, shoulder, or surrounding area. It excludes incidents occurring entirely off the roadway, such as in parking lots and on farms. "Nonhighway" includes transport-related deaths of vehicle occupants that occur or originate entirely off the roadway. Incidents involving trains and deaths to pedestrians or other nonpassengers are excluded from both categories.

³ Includes paid and unpaid family workers and may include owners of incorporated businesses or members of partnerships.

⁴ There were 6 fatalities for which age was not reported.

⁵ The categories "White" and "Black or African American" do not include "Hispanic or Latino" persons. Persons identified as Hispanic or Latino may be of any race.

NOTE: Totals may include subcategories not shown separately. Percentages may not add to totals because of rounding. Dashes indicate less than 0.5 percent or data that are not available or that do not meet publication criteria.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, in cooperation with state, New York City, District of Columbia, and federal agencies, Census of Fatal Occupational Injuries, 2001

| Table 5. Fatal occu | pational injuries | by state and even | t or exposure, 2001 |
|---------------------|-------------------|-------------------|---------------------|
| | | | |

| | Total f | fatalities ¹ | | Event or expo | osure ² (perce | ent of state | e total for 2001) | |
|---|--------------------------------|-------------------------|---|--|---|--------------|---|----------------------|
| State of injury | 2000 ³ (revised) | 2001 ⁴ | Transpor- tation incidents ⁵ | Assaults and violent acts ⁶ | Contact with objects and equipment | Falls | Exposure to harmful substances or environments | Fires and explosions |
| Total, including fatalities from Sept. 11th | N/A | 8,786 | | | | | | |
| Total, excluding fatalities from Sept. 11th | E 000 | 5,900 | 43 | 15 | 16 | 14 | 8 | 3 |
| Northeast | 733 | 722 | 39 | 19 | 15 | 16 | 7 | 5 |
| Connecticut | 55 | 40 | 48 | 15 | - | 22 | - | - |
| Maine | 26 | 23 | 43 | - | - | 22 | _ | - |
| Massachusetts | 70 | 53 | 21 | 25 | 21 | 21 | _ | - |
| New Hampshire | 13 | 9 | | - | | | _ | - |
| New Jersey | 115 | 129 | 33 | 19 | 14 | 17 | 9 | 7 |
| New York (including N.Y.C.). | 233 | 220 | 40 | 20 | 15 | 17 | 4 | 5 |
| New York City | 111 | 100 | 39 | 27 | 12 | 13 | _ | 5 |
| Pennsylvania | 199 | 225 | 42 | 17 | 17 | 12 | 8 | 4 |
| Rhode Island | 7 | 17 | 35 | _ | - | - | - | _ |
| Vermont | 15 | 6 | - | - | - | - | _ | - |
| Midwest | 1,335 | 1,368 | 42 | 14 | 18 | 13 | 8 | 4 |
| Illinois | 206 | 231 | 32 | 19 | 16 | 17 | 12 | 4 |
| Indiana | 159 | 152 | 43 | 16 | 18 | 9 | 8 | 7 |
| lowa | 71 | 62 | 48 | - | 26 | 13 | 8 | - |
| Kansas | 85 | 93 | 53 | 6 | 15 | 14 | 9 | - |
| Michigan | 156 | 175 | 37 | 21 | 18 | 13 | 6 | 4 |
| Minnesota | 68 | 76 | 37 | | 29 | 21 | 9 | - |
| Missouri | 148 | 143 | 41 | 12 | 21 | 14 | 10 | - |
| Nebraska | 59 | 57 | 58 | - | 19 | 9 | _ | - |
| North Dakota | 34 | 25 | 64 | - | - | - | _ | - |
| Ohio | 207 | 209 | 40 | 21 | 11 | 12 | 9 | 7 |
| South Dakota | 35 | 35 | 51 | | 23 | - | - | - |
| Wisconsin | 107 | 110 | 52 | 7 | 19 | 14 | 5 | - |
| South | 2,600 | 2,513 | 43 | 15 | 16 | 13 | 10 | 3 |
| Alabama | 103 | 138 | 47 | 9 | 16 | 9 | 9 | 9 |
| Arkansas | 106 | 68 | 53 | - | 19 | 10 | 7 | - |
| Delaware | 13 | 10 | 50 | - | - | - | - | - |
| District of Columbia | 13 | 11 | - | 55 | - | - | - | - |
| Florida | 329 | 368 | 41 | 18 | 9 | 17 | 13 | - |
| Georgia | 195 | 235 | 41 | 20 | 13 | 16 | 8 | - |
| Kentucky | 132 | 105 | 39 | 10 | 28 | 11 | 7 | 5 |
| Louisiana | 143 | 117 | 49 | 8 | 21 | 11 | 10 | - |
| Maryland | 84 | 64 | 38 | 28 | 11 | 11 | 11 | - |
| Mississippi | 125 | 111 | 48 | 11 | 14 | 11 | 14 | - |
| North Carolina | 234 | 203 | 46 | 15 | 16 | 13 | 9 | - |
| Oklahoma | 82 | 115 | 38 | 11 | 22 | 13 | 11 | - |
| South Carolina | 115 | 89 | 42 | 11 | 11 | 21 | 9 | 6 |
| Tennessee | 160 | 136 | 47 | 9 | 19 | 12 | 8 | 4 |
| Texas | 572 | 534 | 39 | 18 | 16 | 13 | 10 | 4 |
| Virginia | 148 | 146 | 47 | 7 | 21 | 11 | 8 | 6 |
| West Virginia | 46 | 63 | 52 | | 21 | 14 | - | - |
| West | 1,248 | 1,294 | 45 | 16 | 16 | 14 | 7 | 2 |
| Alaska | 53 | 64 | 75 | 8 | 8 | - | - | - |
| Arizona | 118 | 87 | 43 | 24 | 13 | 10 | 9 | - |
| California | 553 | 510 | 41 | 19 | 12 | 18 | 9 | - |
| Colorado | 117 | 139 | 40 | 19 | 19 | 14 | 6 | - |
| Hawaii | 20 | 41 | 44 | 20 | 24 | - | - | - |
| Idaho | 35 | 45 | 47 | 11 | 29 | - | - | - |
| Montana | 42 | 58 | 47 | 22 | 17 | - | - | - |
| Nevada | 51 | 40 | 52 | 18 | 12 | - | - | - |
| New Mexico | 35 | 59 | 47 | 14 | 22 | 10 | - | - |
| Oregon | 52 | 44 | 45 | - | 23 | 18 | - | - |
| Utah | 61 | 65 | 45 | 12 | 22 | 9 | 8 | - |
| Washington | 75 | 102 | 43 | 9 | 18 | 18 | 6 | 7 |
| Wyoming | 36 | 40 | 55 | - | 22 | - | 12 | - |

Includes other events and exposures such as bodily reaction, in addition to those shown separately. 2

Based on the 1992 BLS Occupational Injury and Illness Classification Structures.

3 The BLS news release issued Aug. 14, 2001 reported a total of 5,915 fatal work injuries for calendar year 2000. Since then, an additional 5 job-related fatalities were identified, bringing the total job-related fatality count for 2000 to 5,920.

Includes 3 fatalities that occurred within the territorial boundaries of the United States, but a State of incident could not be determined. Includes highway, nonhighway, air, water, and rail fatalities and fatalities to workers struck by vehicles. Includes homicides, self-inflicted injuries, and animal attacks.

5

6

NOTE: Percentages may not add to 100 because of rounding. Dashes indicate less than 0.5 percent or data that are not available or that do not meet publication criteria.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, in cooperation with state, New York City, District of Columbia, and federal agencies, Census of Fatal Occupational Injuries, 2000-2001.

Table 6. CFOI participating agencies and telephone numbers

| State | Agency | Telephone number |
|--------------------------------|--|--|
| Alabama Alaska Arizona | Department of Labor Department of Labor and Workforce Development Industrial Commission of Arizona | (334) 242-3460 (907) 465-4539 (602) 542-3739 |
| Arkansas | Department of Labor | (501) 682-4542 |
| California | Department of Industrial Relations | (415) 703-4776 |
| Colorado | Department of Public Health | (303) 692-2173 |
| Connecticut | Labor Department | (860) 566-4380 |
| Delaware | Department of Labor | (302) 761-8223 |
| District of Columbia | Center for Health Statistics | (202) 442-5920 |
| Florida | Department of Insurance | (850) 922-8953 |
| Georgia | Department of Labor | (404) 679-0687 |
| Hawaii Idaho | Department of Labor and Industrial Relations Industrial Commission | (808) 586-9001 (208) 334-6090 |
| Illinois | Department of Public Health | (200) 354-0090 (217) 782-5750 |
| Indiana | Department of Labor | (317) 232-2668 |
| lowa | Division of Labor Services | (515) 281-5151 |
| Kansas | Department of Health and Environment | (785) 296-1058 |
| Kentucky | Labor Cabinet | (502) 564-3070 |
| Louisiana | Department of Labor | (225) 342-3126 |
| Maine | Bureau of Labor Standards | (207) 624-6440 |
| Maryland | Division of Labor and Industry | (410) 767-2356 |
| Massachusetts | Department of Public Health | (617) 624-5627 |
| Michigan | Department of Consumer and Industry Services | (517) 322-5258 |
| Minnesota | Department of Labor and Industry | (651) 284-5568 |
| Mississippi | Department of Health | (601) 576-7186 |
| Missouri Montana | Department of Health Department of Labor and Industry | (573) 751-6155 (406) 444-3297 |
| Nebraska | Workers' Compensation Court | (400) 444-3297 (402) 471-3547 |
| Nevada | Division of Industrial Relations | (775) 684-7081 |
| New Hampshire | Department of Public Health | (603) 271-4647 |
| New Jersey | Department of Health and Senior Services | (609) 984-1863 |
| New Mexico | Occupational Health and Safety Bureau | (505) 827-4230 |
| New York State | Department of Health | (518) 402-7900 |
| New York City | Department of Health | (212) 788-4585 |
| North Carolina North Dakota | Department of Labor U.S. Department of Labor | (919) 733-0337 |
| Ohio | Department of Health | (312) 353-7200 (614) 466-4183 |
| Oklahoma | Department of Labor | (405) 528-1500 |
| Oregon | Department of Consumer and Business Services | (503) 947-7051 |
| Pennsylvania | Department of Health | (717) 783-2548 |
| Rhode Island | Department of Health | (401) 222-2812 |
| South Carolina | Department of Labor, Licensing, and Regulation | (803) 734-4298 |
| South Dakota | U.S. Department of Labor | (312) 353-7200 |
| Tennessee Texas | Department of Labor and Workforce Development Workers' Compensation Commission | (615) 741-1749 (512) 804 4637 |
| Utah | Labor Commission | (512) 804 4637 (801) 530-6823 |
| Vermont | Department of Labor and Industry | (802) 828-5076 |
| Virginia | Department of Labor and Industry | (804) 786-6427 |
| Washington | Department of Labor and Industries | (360) 902-5512 |
| West Virginia | Department of Labor | (304) 558-7890 |
| Wisconsin | Department of Workforce Development | (608) 266-7850 |
| Wyoming | U.S. Department of Labor | (816) 426-2483 |

TECHNICAL NOTES

Definitions

For a fatality to be included in the census, the decedent must have been employed (that is working for pay, compensation, or profit) at the time of the event, engaged in a legal work activity, or present at the site of the incident as a requirement of his or her job. These criteria are generally broader than those used by federal and state agencies administering specific laws and regulations. (Fatalities that occur during a person's commute to or from work are excluded from the census counts.)

Data presented in this release include deaths occurring in 2001 that resulted from traumatic occupational injuries. An injury is defined as any intentional or unintentional wound or damage to the body resulting from acute exposure to energy, such as heat, electricity, or kinetic energy from a crash, or from the absence of such essentials as heat or oxygen caused by a specific event, incident, or series of events within a single workday or shift. Included are open wounds, intracranial and internal injuries, heatstroke, hypothermia, asphyxiation, acute poisonings resulting from short-term exposures limited to the worker's shift, suicides and homicides, and work injuries listed as underlying or contributory causes of death.

Information on work-related fatal illnesses is not reported in the BLS census and is excluded from the attached tables because the latency period of many occupational illnesses and the difficulty of linking illnesses to work make identification of a universe problematic.

Measurement techniques and limitations

Data for the Census of Fatal Occupational Injuries are compiled from various federal, state, and local administrative sources--including death certificates, workers' compensation reports and claims, reports to various regulatory agencies, medical examiner reports, and police reports--as well as news and other non-governmental reports. Diverse sources are used because studies have shown that no single source captures all job-related fatalities. Source documents are matched so that each fatality is counted only once. To ensure that a fatality occurred while the decedent was at work, information is verified from two or more independent source documents or from a source document and a follow-up questionnaire. Approximately 30 data elements are collected, coded, and tabulated, including information about the worker, the fatal incident, and the machinery or equipment involved.

Identification and verification of work-related fatalities.

In 2001, there were 148 cases included for which work relationship could not be independently verified; however, the information on the initiating source document for these cases was sufficient to determine that the incident was likely to be job related. Data for these fatalities, which primarily affected self-employed workers, are included in the Census of Fatal Occupational Injuries counts. An additional 16 fatalities submitted by states were not included because the initiating source document had insufficient information to determine work relationship and could not be verified by either an independent source document or a follow-up questionnaire.

States may identify additional fatal work injuries after data collection closeout for a

reference year. In addition, other fatalities excluded from the published count because of insufficient information to determine work relationship may subsequently be verified as work related. States have up to one year to update their initial published state counts. This procedure ensures that fatality data are disseminated as quickly as possible and that no legitimate case is excluded from the counts. Thus, each year's report should be considered preliminary until the next year's data are issued. Increases in the published counts based on additional information have averaged less than 100 fatalities per year or less than 1.5 percent of the total. The BLS news release issued August 14, 2001, reported a total of 5,915 fatal work injuries for 2000. Since then, an additional 5 fatal work injuries were identified, bringing the total for 2000 to 5,920.

Federal/state

The Census of Fatal Occupational Injuries includes data for all fatal work injuries, whether they are covered by the Occupational Safety and Health Administration (OSHA) or other federal or state agencies or are 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.

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. Fatalities occurring in activities regulated by federal agencies other than OSHA accounted for about 16 percent of the fatal work injuries in 2001.

Fatalities occurring among several other groups of workers are generally not covered by any federal or state agencies. These groups include self-employed and unpaid family workers, which accounted for about 19 percent of the fatalities; laborers on small farms, accounting for about 1 percent of the fatalities; and state and local government employees in states without OSHA-approved safety programs, which accounted for about 4 percent. (Approximately onehalf of the states have approved OSHA safety programs, which cover state and local government employees.)

ACKNOWLEDGMENTS: BLS thanks the participating states, New York City, and the District of Columbia for their efforts in collecting accurate, comprehensive, and useful data on fatal work injuries. BLS would like to thank in particular the New York City Department of Health, the Pennsylvania Department of Health, and the Virginia Department of Labor and Industry for an exceptional job when faced with a unusually heavy workload. BLS also appreciates the efforts of all federal, state, local, and private sector agencies 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 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.