

TABLE A-4. Fatal occupational injuries by occupation and event or exposure, 1999

| Occupation ¹ | Total fatalities (number) | Event or exposure ² (percent) | | | | | |
|-------------------------------------------------------------------|---------------------------|------------------------------------------|----------------------------------------|------------------------------------|-------|------------------------------------------------|----------------------|
| | | Transportation incidents ³ | Assaults and violent acts ⁴ | Contact with objects and equipment | Falls | Exposure to harmful substances or environments | Fires and explosions |
| Total | 6,023 | 43.4 | 14.8 | 17.1 | 11.9 | 8.8 | 3.6 |
| Managerial and professional specialty | 597 | 44.7 | 28.5 | 7.4 | 9.9 | 6.7 | 2.3 |
| Executive, administrative, and managerial | 371 | 36.1 | 37.5 | 8.6 | 10.0 | 4.9 | 2.7 |
| Managers, marketing, advertising, and public relations | 9 | 55.6 | — | — | — | — | — |
| Managers, food serving and lodging establishments | 73 | 15.1 | 74.0 | — | 6.8 | — | — |
| Managers, properties and real estate | 19 | — | 57.9 | — | — | — | — |
| Managers and administrators, n.e.c. | 196 | 36.7 | 27.0 | 14.3 | 11.2 | 5.6 | 4.6 |
| Management related occupations | 44 | 68.2 | 18.2 | — | — | — | — |
| Accountants and auditors | 11 | 72.7 | — | — | — | — | — |
| Purchasing agents and buyers, n.e.c. | 6 | 83.3 | — | — | — | — | — |
| Professional specialty | 226 | 58.8 | 13.7 | 5.3 | 9.7 | 9.7 | — |
| Engineers, architects, and surveyors | 46 | 58.7 | — | — | 13.0 | 15.2 | — |
| Engineers | 41 | 58.5 | — | — | 12.2 | 14.6 | — |
| Civil engineers | 11 | 72.7 | — | — | — | — | — |
| Natural scientists | 12 | 50.0 | — | — | — | — | — |
| Health diagnosing occupations | 12 | — | 41.7 | — | — | — | — |
| Health assessment and treating occupations | 35 | 68.6 | — | — | — | — | — |
| Registered nurses | 19 | 57.9 | — | — | — | — | — |
| Teachers, postsecondary | 10 | 60.0 | — | — | — | — | — |
| Teachers, except postsecondary | 29 | 72.4 | — | — | 17.2 | — | — |
| Social, recreation, and religious workers | 18 | 55.6 | — | — | — | — | — |
| Social workers | 8 | 62.5 | — | — | — | — | — |
| Lawyers and judges | 13 | 61.5 | — | — | — | — | — |
| Lawyers | 13 | 61.5 | — | — | — | — | — |
| Writers, artists, entertainers, and athletes | 43 | 53.5 | 16.3 | — | — | — | — |
| Athletes | 19 | 63.2 | — | — | — | — | — |
| Technical, sales, and administrative support | 610 | 50.0 | 36.2 | 3.3 | 5.4 | 2.6 | 2.0 |
| Technicians and related support occupations | 158 | 79.1 | 3.8 | 4.4 | 3.2 | 5.1 | 4.4 |
| Health technologists and technicians | 17 | 82.4 | — | — | — | — | — |
| Engineering and related technologists and technicians | 22 | 40.9 | — | — | — | — | — |
| Electrical and electronic technicians | 11 | 45.5 | — | — | — | — | — |
| Technicians, except health, engineering, and science | 113 | 89.4 | — | — | — | — | — |
| Airplane pilots and navigators | 94 | 98.9 | — | — | — | — | — |
| Sales occupations | 356 | 35.7 | 53.4 | 3.1 | 3.9 | 2.0 | 1.4 |
| Supervisors and proprietors, sales occupations | 140 | 19.3 | 66.4 | 5.7 | — | — | — |
| Sales representatives, finance and business services | 39 | 64.1 | 25.6 | — | — | — | — |
| Securities and financial services sales occupations | 10 | — | 90.0 | — | — | — | — |
| Sales representatives, commodities except retail | 27 | 81.5 | — | — | — | — | — |
| Sales representatives, mining, manufacturing, and wholesale | 27 | 81.5 | — | — | — | — | — |
| Sales workers, retail and personal services | 144 | 34.7 | 57.6 | — | 3.5 | — | — |
| Sales counter clerks | 12 | — | 83.3 | — | — | — | — |
| Cashiers | 55 | 9.1 | 89.1 | — | — | — | — |
| Street and door-to-door sales workers | 14 | 71.4 | — | — | — | — | — |
| News vendors | 15 | 86.7 | — | — | — | — | — |
| Administrative support occupations, including clerical | 96 | 55.2 | 26.0 | — | 14.6 | — | — |
| Mail and message distributing occupations | 30 | 80.0 | — | — | — | — | — |

See footnotes at end of table.

TABLE A-4. Fatal occupational injuries by occupation and event or exposure, 1999 — Continued

| Occupation ¹ | Total fatalities (number) | Event or exposure ² (percent) | | | | | |
|---------------------------------------------------------------------------|---------------------------|------------------------------------------|----------------------------------------|------------------------------------|-------|------------------------------------------------|----------------------|
| | | Transportation incidents ³ | Assaults and violent acts ⁴ | Contact with objects and equipment | Falls | Exposure to harmful substances or environments | Fires and explosions |
| Mail carriers, postal service | 12 | 66.7 | — | — | — | — | — |
| Messengers | 17 | 94.1 | — | — | — | — | — |
| Material recording, scheduling, and distributing clerks | 19 | 57.9 | — | — | — | — | — |
| Stock and inventory clerks | 8 | 62.5 | — | — | — | — | — |
| Adjusters and investigators | 10 | 50.0 | — | — | — | — | — |
| Miscellaneous administrative support | 12 | — | 41.7 | — | — | — | — |
| Service occupations | 468 | 30.8 | 40.6 | 3.0 | 11.8 | 6.4 | 6.8 |
| Protective service occupations | 261 | 39.8 | 39.8 | — | 4.2 | 3.8 | 10.0 |
| Firefighting and fire prevention occupations, including supervisors | 57 | 28.1 | 8.8 | — | — | 8.8 | 45.6 |
| Firefighting occupations | 48 | 31.2 | — | — | — | 10.4 | 43.8 |
| Police and detectives, including supervisors | 132 | 50.8 | 43.9 | — | — | — | — |
| Police and detectives, public services | 79 | 50.6 | 44.3 | — | — | — | — |
| Sheriffs, bailiffs, and other law enforcement officers | 39 | 56.4 | 41.0 | — | — | — | — |
| Guards, including supervisors | 72 | 29.2 | 56.9 | — | 6.9 | — | — |
| Guards and police, except public service | 63 | 25.4 | 61.9 | — | — | — | — |
| Service occupations, except protective and household | 203 | 19.7 | 41.4 | 4.9 | 21.2 | 9.4 | 3.0 |
| Food preparation and service occupations | 66 | 15.2 | 69.7 | — | — | 7.6 | — |
| Bartenders | 12 | — | 100.0 | — | — | — | — |
| Waiters and waitresses | 7 | — | 85.7 | — | — | — | — |
| Cooks | 19 | — | 57.9 | — | — | — | — |
| Miscellaneous food preparation occupations | 12 | — | 66.7 | — | — | — | — |
| Health service occupations | 17 | 29.4 | 29.4 | — | 29.4 | — | — |
| Cleaning and building service occupations, except household | 81 | 14.8 | 23.5 | 8.6 | 38.3 | 9.9 | — |
| Maids and housemen | 9 | — | 55.6 | — | — | — | — |
| Janitors and cleaners | 64 | 15.6 | 21.9 | 9.4 | 39.1 | 10.9 | — |
| Personal service occupations | 39 | 33.3 | 35.9 | — | 12.8 | 12.8 | — |
| Barbers | 5 | — | 100.0 | — | — | — | — |
| Farming, forestry, and fishing | 897 | 45.2 | 8.1 | 30.9 | 4.9 | 9.1 | 1.4 |
| Farming operators and managers | 362 | 50.3 | 9.7 | 29.0 | 3.3 | 5.0 | 2.2 |
| Farmers, except horticultural | 233 | 50.6 | 9.9 | 28.8 | 3.0 | 6.0 | — |
| Managers, farms, except horticultural | 118 | 50.8 | 9.3 | 28.8 | 4.2 | — | — |
| Other agricultural and related occupations | 335 | 43.6 | 9.9 | 23.6 | 8.1 | 14.3 | — |
| Farm occupations, except managerial | 211 | 48.8 | 10.0 | 21.8 | 4.7 | 13.7 | — |
| Farm workers | 199 | 49.7 | 9.5 | 21.1 | 5.0 | 13.6 | — |
| Related agricultural occupations | 124 | 34.7 | 9.7 | 26.6 | 13.7 | 15.3 | — |
| Supervisors, related agricultural occupations | 8 | 62.5 | — | — | — | — | — |
| Groundskeepers and gardeners, except farm | 106 | 31.1 | 6.6 | 30.2 | 15.1 | 17.0 | — |
| Animal caretakers, except farm | 9 | — | 55.6 | — | — | — | — |
| Forestry and logging occupations | 122 | 14.8 | — | 73.0 | — | — | — |
| Supervisors, forestry, and logging workers | 12 | — | — | 58.3 | — | — | — |
| Timber cutting and logging occupations | 102 | 12.7 | — | 77.5 | — | — | — |
| Fishers, hunters, and trappers | 78 | 75.6 | — | — | — | 16.7 | — |
| Fishers, including vessel captains and officers | 78 | 75.6 | — | — | — | 16.7 | — |
| Precision production, craft, and repair | 1,142 | 20.1 | 6.5 | 21.5 | 28.4 | 17.0 | 6.2 |
| Mechanics and repairers | 353 | 25.2 | 13.3 | 29.2 | 13.6 | 12.2 | 6.5 |
| Supervisors, mechanics and repairers | 22 | 22.7 | 36.4 | — | — | 22.7 | — |
| Mechanics and repairers, except supervisors | 331 | 25.4 | 11.8 | 30.2 | 14.2 | 11.5 | 6.9 |

See footnotes at end of table.

TABLE A-4. Fatal occupational injuries by occupation and event or exposure, 1999 — Continued

| Occupation ¹ | Total fatalities (number) | Event or exposure ² (percent) | | | | | |
|---------------------------------------------------------------------|---------------------------|------------------------------------------|----------------------------------------|------------------------------------|------------|------------------------------------------------|----------------------|
| | | Transportation incidents ³ | Assaults and violent acts ⁴ | Contact with objects and equipment | Falls | Exposure to harmful substances or environments | Fires and explosions |
| Vehicle and mobile equipment mechanics, repairers | 157 | 29.3 | 16.6 | 34.4 | 5.1 | 7.0 | 7.6 |
| Automobile mechanics and apprentices | 48 | 18.8 | 33.3 | 29.2 | — | — | — |
| Bus, truck, and stationary engine mechanics | 39 | 38.5 | — | 38.5 | — | — | — |
| Automobile body and related repairers | 9 | — | 55.6 | — | — | — | — |
| Heavy equipment mechanics | 43 | 32.6 | — | 48.8 | — | — | — |
| Industrial machinery repairers | 27 | 18.5 | — | 55.6 | — | — | — |
| Electrical and electronic equipment repairers | 42 | 35.7 | — | 11.9 | 26.2 | 14.3 | — |
| Electronic repairers, communications and industrial equipment | 20 | 30.0 | — | — | 25.0 | — | — |
| Telephone installers and repairers | 8 | 62.5 | — | — | — | — | — |
| Heating, air conditioning, and refrigeration mechanics | 24 | 20.8 | — | — | 25.0 | 37.5 | — |
| Miscellaneous mechanics and repairers | 74 | 16.2 | 12.2 | 28.4 | 23.0 | 12.2 | 8.1 |
| Office machine repairers | 8 | — | 75.0 | — | — | — | — |
| Elevator installers and repairers | 7 | — | — | — | 71.4 | — | — |
| Millwrights | 7 | — | — | — | 71.4 | — | — |
| Construction trades | 633 | 18.8 | 2.1 | 13.0 | 40.0 | 21.0 | 4.6 |
| Supervisors, construction occupations | 91 | 29.7 | — | 18.7 | 28.6 | 17.6 | — |
| Supervisors, electricians and power transmission installers | 12 | — | — | — | — | 50.0 | — |
| Supervisors, n.e.c. | 66 | 31.8 | — | 21.2 | 28.8 | 12.1 | — |
| Construction trades, except supervisors | 542 | 17.0 | 2.4 | 12.0 | 41.9 | 21.6 | 4.6 |
| Brickmasons, stonemasons, and apprentices | 21 | 23.8 | — | — | 47.6 | — | — |
| Carpenters and apprentices | 103 | 12.6 | — | 17.5 | 47.6 | 10.7 | 6.8 |
| Drywall installers | 10 | — | — | — | 80.0 | — | — |
| Electricians and apprentices | 105 | 19.0 | — | 7.6 | 12.4 | 53.3 | — |
| Electrical power installers and repairers | 34 | — | — | — | 29.4 | 50.0 | — |
| Painters, construction and maintenance | 38 | — | — | — | 71.1 | 13.2 | — |
| Plumbers, pipefitters, steamfitters, and apprentices | 39 | 20.5 | — | 23.1 | 15.4 | 12.8 | 20.5 |
| Paving, surfacing, and tamping equipment operators | 8 | 100.0 | — | — | — | — | — |
| Roofers | 59 | — | — | — | 86.4 | — | — |
| Structural metal workers | 43 | — | — | 18.6 | 76.7 | — | — |
| Extractive occupations | 47 | — | — | 68.1 | — | — | 10.6 |
| Mining machine operators | 20 | — | — | 90.0 | — | — | — |
| Precision production occupations | 109 | 16.5 | 12.8 | 25.7 | 19.3 | 12.8 | 12.8 |
| Precision metal working occupations | 38 | 13.2 | 13.2 | 26.3 | 36.8 | — | — |
| Machinists | 16 | — | 31.2 | 37.5 | — | — | — |
| Sheet metal workers | 9 | — | — | — | 88.9 | — | — |
| Plant and system operators | 15 | — | — | — | — | 46.7 | — |
| Operators, fabricators, and laborers | 2,194 | 54.4 | 6.7 | 19.3 | 8.9 | 7.1 | 3.3 |
| Machine operators, assemblers, and inspectors | 216 | 10.2 | 4.6 | 39.4 | 17.1 | 9.7 | 17.6 |
| Machine operators and tenders, except precision | 125 | 6.4 | 6.4 | 46.4 | 12.8 | 12.8 | 14.4 |
| Metal working and plastic working machine operators | 11 | — | — | 72.7 | — | — | — |
| Machine operators, assorted materials | 89 | 6.7 | — | 44.9 | 13.5 | 16.9 | 14.6 |
| Miscellaneous machine operators, n.e.c. | 31 | — | — | 51.6 | — | 16.1 | — |
| Machine operators, not specified | 24 | — | — | 54.2 | — | 20.8 | — |
| Fabricators, assemblers, and hand working occupations | 82 | 11.0 | — | 28.0 | 25.6 | 6.1 | 24.4 |
| Welders and cutters | 67 | 9.0 | — | 25.4 | 28.4 | — | 25.4 |

See footnotes at end of table.

TABLE A-4. Fatal occupational injuries by occupation and event or exposure, 1999 — Continued

| Occupation ¹ | Total fatalities (number) | Event or exposure ² (percent) | | | | | |
|--------------------------------------------------------------|---------------------------|------------------------------------------|----------------------------------------|------------------------------------|------------|------------------------------------------------|----------------------|
| | | Transportation incidents ³ | Assaults and violent acts ⁴ | Contact with objects and equipment | Falls | Exposure to harmful substances or environments | Fires and explosions |
| Assemblers | 12 | — | — | 41.7 | — | — | — |
| Production inspectors, testers, samplers, and weighers | 9 | 55.6 | — | — | — | — | — |
| Transportation and material moving occupations | 1,320 | 74.4 | 7.5 | 11.2 | 2.3 | 3.6 | 1.0 |
| Motor vehicle operators | 1,063 | 78.7 | 8.8 | 7.7 | 1.7 | 2.5 | .5 |
| Truck drivers | 898 | 82.7 | 3.1 | 8.9 | 1.9 | 2.8 | .6 |
| Driver-sales workers | 42 | 83.3 | — | — | — | — | — |
| Bus drivers | 36 | 80.6 | 16.7 | — | — | — | — |
| Taxicab drivers and chauffeurs | 74 | 29.7 | 70.3 | — | — | — | — |
| Transportation occupations, except motor vehicles | 52 | 69.2 | — | 11.5 | — | 15.4 | — |
| Rail transportation occupations | 24 | 91.7 | — | — | — | — | — |
| Railroad conductors and yardmasters | 15 | 93.3 | — | — | — | — | — |
| Railroad brake, signal, and switch operators | 6 | 83.3 | — | — | — | — | — |
| Water transportation occupations | 28 | 50.0 | — | 21.4 | — | 25.0 | — |
| Ship captains and mates, except fishing boats | 12 | 75.0 | — | — | — | — | — |
| Sailors and deckhands | 15 | — | — | 33.3 | — | 40.0 | — |
| Material moving equipment operators | 205 | 53.2 | — | 29.3 | 5.9 | 6.3 | 3.9 |
| Operating engineers | 57 | 57.9 | — | 31.6 | — | — | — |
| Crane and tower operators | 14 | — | — | 42.9 | — | — | — |
| Excavating and loading machine operators | 21 | 38.1 | — | 42.9 | — | — | — |
| Grader, dozer, and scraper operators | 26 | 84.6 | — | — | — | — | — |
| Industrial truck and tractor equipment operators | 56 | 62.5 | — | 21.4 | — | — | — |
| Handlers, equipment cleaners, helpers, and laborers | 658 | 28.7 | 5.6 | 29.0 | 19.5 | 13.1 | 3.3 |
| Helpers, construction and extractive occupations | 15 | — | — | 33.3 | — | — | — |
| Construction laborers | 341 | 30.5 | 1.8 | 28.2 | 25.5 | 12.3 | — |
| Freight, stock, and material handlers | 65 | 35.4 | 12.3 | 29.2 | 10.8 | 9.2 | — |
| Garbage collectors | 19 | 68.4 | — | — | — | — | — |
| Stevedores | 9 | — | — | 55.6 | — | — | — |
| Stock handlers and baggers | 12 | — | 66.7 | — | — | — | — |
| Garage and service station related occupations | 14 | — | — | — | — | — | 35.7 |
| Vehicle washers and equipment cleaners | 14 | — | — | 35.7 | — | — | — |
| Laborers, except construction | 193 | 28.5 | 8.3 | 30.6 | 12.4 | 14.5 | 5.7 |
| Military occupations⁵ | 80 | 65.0 | 16.2 | 5.0 | 3.8 | 8.8 | — |

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

² Based on the 1992 BLS Occupational Injury and Illness Classification Manual.

³ Includes highway, nonhighway, air, water, and rail fatalities.

⁴ Includes violence by persons, self-inflicted injury, and attacks by animals.

⁵ Resident armed forces.

NOTE: Totals for major categories may include subcategories not

shown separately. Percentages may not add to totals because of rounding.

There were 35 fatalities for which there was insufficient information to determine a specific occupation classification.

Dashes indicate no data reported or data that do not meet publication criteria.

n.e.c. means "not elsewhere classified."

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, Census of Fatal Occupational Injuries