

TABLE A-5. Fatal occupational injuries by occupation and event or exposure, All United States, 2002

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	5,534	43.1	15.2	15.8	13.0	9.7	3.0
Managerial and professional specialty	514	43.2	31.1	6.8	9.1	6.4	2.5
Executive, administrative, and managerial	319	41.4	35.1	8.2	9.1	3.4	2.8
Administrators and officials, public administration	6	50.0	--	--	--	--	--
Financial managers	8	--	75.0	--	--	--	--
Managers, marketing, advertising, and public relations	17	70.6	23.5	--	--	--	--
Administrators, education and related fields	5	--	--	--	--	--	--
Managers, medicine and health	3	--	100.0	--	--	--	--
Managers, food serving and lodging establishments	46	10.9	82.6	--	--	--	--
Managers, properties and real estate	12	--	33.3	--	33.3	--	--
Funeral directors	4	--	--	--	--	--	--
Managers, service organizations, n.e.c.	4	75.0	--	--	--	--	--
Managers and administrators, n.e.c.	158	44.3	21.5	13.3	12.7	5.7	2.5
Management related occupations	48	58.3	33.3	--	6.3	--	--
Accountants and auditors	11	54.5	45.5	--	--	--	--
Other financial officers	4	--	--	--	--	--	--
Buyers, wholesale and retail trade except farm products	3	--	--	--	--	--	--
Construction inspectors	8	62.5	37.5	--	--	--	--
Inspectors and compliance officers, except construction	7	71.4	--	--	--	--	--
Professional specialty	195	46.2	24.6	4.6	9.2	11.3	2.1
Engineers, architects, and surveyors	26	50.0	--	--	15.4	11.5	11.5
Engineers	19	42.1	--	--	--	15.8	15.8
Civil engineers	4	--	--	--	--	--	--
Electrical and electronic engineers	7	42.9	--	--	--	--	--
Industrial engineers	3	--	--	--	--	--	--
Surveyors and mapping scientists	5	80.0	--	--	--	--	--
Mathematical and computer scientists	5	--	--	--	--	--	--
Computer systems analysts and scientists	5	--	--	--	--	--	--
Natural scientists	9	--	--	--	--	33.3	--
Biological and life scientists	3	--	--	--	--	--	--
Health diagnosing occupations	15	20.0	60.0	--	--	20.0	--
Physicians	9	33.3	44.4	--	--	--	--
Health assessment and treating occupations	20	60.0	15.0	--	--	--	--
Registered nurses	17	58.8	--	--	--	--	--
Teachers, postsecondary	10	40.0	--	--	--	--	--
Teachers, except postsecondary	19	68.4	--	--	26.3	--	--
Librarians, archivists, and curators	5	--	--	--	--	--	--
Social, recreation, and religious workers	27	40.7	33.3	--	--	18.5	--
Social workers	9	44.4	44.4	--	--	--	--
Clergy	7	42.9	42.9	--	--	--	--
Lawyers and judges	8	--	75.0	--	--	--	--
Lawyers	8	--	75.0	--	--	--	--
Writers, artists, entertainers, and athletes	47	57.4	21.3	6.4	8.5	6.4	--
Actors and directors	5	60.0	--	--	--	--	--
Photographers	7	71.4	--	--	--	--	--
Artists, performers, and related workers	3	--	--	--	--	--	--
Athletes	23	56.5	--	13.0	--	13.0	--
Technical, sales, and administrative support	597	44.6	40.5	3.7	6.5	3.7	0.8

See footnotes at end of table.

TABLE A-5. Fatal occupational injuries by occupation and event or exposure, All United States, 2002 - 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
Technicians and related support occupations	155	76.8	7.1	3.9	2.6	9.0	--
Health technologists and technicians	22	54.5	27.3	--	--	--	--
Engineering and related technologists and technicians	24	37.5	--	12.5	--	37.5	--
Electrical and electronic technicians	16	43.8	--	--	--	37.5	--
Technicians, except health, engineering, and science	103	92.2	2.9	--	--	2.9	--
Airplane pilots and navigators	90	100.0	--	--	--	--	--
Sales occupations	349	29.2	57.0	4.0	7.2	1.4	0.9
Supervisors and proprietors, sales occupations	162	19.8	69.1	4.9	4.3	--	--
Sales representatives, finance and business services	30	63.3	16.7	--	13.3	--	--
Real estate sales occupations	8	50.0	--	--	--	--	--
Sales representatives, commodities except retail	21	81.0	--	--	--	--	--
Sales representatives, mining, manufacturing, and wholesale	19	84.2	--	--	--	--	--
Sales workers, retail and personal services	133	24.8	60.9	3.8	8.3	2.3	--
Sales workers, motor vehicles and boats	4	--	--	--	--	--	--
Sales workers, parts	4	--	--	--	--	--	--
Sales counter clerks	10	--	80.0	--	--	--	--
Cashiers	47	--	87.2	--	6.4	--	--
Street and door-to-door sales workers	11	--	81.8	--	--	--	--
News vendors	21	81.0	--	--	--	--	--
Administrative support occupations, including clerical	93	48.4	34.4	--	10.8	3.2	--
Supervisors, administrative support occupations	5	--	60.0	--	--	--	--
Secretaries, stenographers, and typists	5	60.0	--	--	--	--	--
Secretaries	5	60.0	--	--	--	--	--
Information clerks	13	--	84.6	--	--	--	--
Mail and message distributing occupations	34	79.4	11.8	--	--	--	--
Postal clerks, except mail carriers	3	--	--	--	--	--	--
Mail carriers, postal service	16	93.8	--	--	--	--	--
Mail clerks, except postal service	3	--	--	--	--	--	--
Messengers	12	83.3	--	--	--	--	--
Material recording, scheduling, and distributing clerks	10	30.0	40.0	--	--	--	--
Traffic, shipping, and receiving clerks	4	--	--	--	--	--	--
Stock and inventory clerks	3	--	100.0	--	--	--	--
Adjusters and investigators	10	80.0	--	--	--	--	--
Miscellaneous administrative support	11	--	63.6	--	--	--	--
General office clerks	4	--	--	--	--	--	--
Bank tellers	4	--	100.0	--	--	--	--
Service occupations	485	34.0	38.1	5.4	10.1	6.6	5.2
Private household occupations	4	--	--	--	--	--	--
Protective service occupations	273	43.6	38.8	3.7	2.6	2.2	8.4
Firefighting and fire prevention occupations, including supervisors	53	52.8	--	--	--	--	39.6
Firefighting occupations	48	56.3	--	--	--	--	35.4
Police and detectives, including supervisors	140	47.1	47.1	--	--	2.1	--
Police and detectives, public services	80	53.8	40.0	--	--	--	--
Sheriffs, bailiffs, and other law enforcement officers	46	37.0	58.7	--	--	--	--
Correctional institution officers	13	46.2	46.2	--	--	--	--
Guards, including supervisors	80	31.3	50.0	7.5	7.5	--	--
Crossing guards	5	100.0	--	--	--	--	--
Guards and police, except public service	67	23.9	56.7	9.0	7.5	--	--
Service occupations, except protective and household	208	21.6	38.0	7.7	19.7	11.5	--
Food preparation and service occupations	63	19.0	54.0	--	9.5	12.7	--

See footnotes at end of table.

TABLE A-5. Fatal occupational injuries by occupation and event or exposure, All United States, 2002 - 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
Supervisors, food preparation and service occupations	9	--	55.6	--	--	--	--
Bartenders	7	--	85.7	--	--	--	--
Waiters and waitresses	9	--	66.7	--	--	--	--
Cooks	23	17.4	52.2	--	--	13.0	--
Food counter, fountain and related occupations	4	--	75.0	--	--	--	--
Miscellaneous food preparation occupations	8	--	--	--	--	62.5	--
Health service occupations	20	40.0	50.0	--	--	--	--
Nursing aides, orderlies, and attendants	14	42.9	42.9	--	--	--	--
Cleaning and building service occupations, except household	93	18.3	25.8	11.8	31.2	10.8	--
Supervisors, cleaning and building services workers	6	--	--	--	--	--	--
Janitors and cleaners	77	15.6	29.9	10.4	33.8	9.1	--
Pest control occupations	8	62.5	--	--	--	--	--
Personal service occupations	32	25.0	34.4	9.4	12.5	18.8	--
Barbers	6	--	83.3	--	--	--	--
Attendants, amusement and recreation facilities	10	50.0	--	--	--	30.0	--
Guides	3	--	--	--	--	--	--
Farming, forestry, and fishing	841	44.5	7.1	28.9	7.8	9.9	1.7
Farming operators and managers	337	50.4	6.8	28.8	5.3	5.3	3.3
Farmers, except horticultural	306	50.3	7.2	29.7	4.9	4.9	2.9
Horticultural specialty farmers	8	50.0	--	--	--	--	--
Managers, farms, except horticultural	20	50.0	--	20.0	--	--	--
Managers, horticultural specialty farms	3	--	--	--	--	--	--
Other agricultural and related occupations	367	40.1	9.5	21.0	11.7	16.9	--
Farm occupations, except managerial	198	46.0	11.6	22.2	4.0	15.2	--
Supervisors, farm workers	10	30.0	30.0	--	--	--	--
Farm workers	183	45.9	10.9	23.0	3.8	15.3	--
Nursery workers	4	75.0	--	--	--	--	--
Related agricultural occupations	169	33.1	7.1	19.5	20.7	18.9	--
Supervisors, related agricultural occupations	15	33.3	--	20.0	--	--	--
Groundskeepers and gardeners, except farm	146	33.6	4.1	20.5	22.6	19.2	--
Animal caretakers, except farm	7	--	57.1	--	--	--	--
Forestry and logging occupations	104	29.8	--	64.4	4.8	--	--
Supervisors, forestry, and logging workers	14	--	--	78.6	--	--	--
Forestry workers, except logging	18	94.4	--	--	--	--	--
Timber cutting and logging occupations	72	16.7	--	77.8	5.6	--	--
Fishers, hunters, and trappers	33	78.8	--	--	--	9.1	--
Fishers, including vessel captains and officers	33	78.8	--	--	--	9.1	--
Precision production, craft, and repair	1,107	21.2	5.1	19.1	29.2	20.1	5.2
Mechanics and repairers	275	27.6	7.3	25.5	14.5	16.4	8.0
Supervisors, mechanics and repairers	23	30.4	13.0	--	13.0	--	21.7
Mechanics and repairers, except supervisors	252	27.4	6.7	27.0	14.7	17.1	6.7
Vehicle and mobile equipment mechanics, repairers	115	31.3	9.6	33.9	4.3	11.3	9.6
Automobile mechanics and apprentices	42	21.4	11.9	42.9	--	14.3	7.1
Bus, truck, and stationary engine mechanics	26	42.3	--	19.2	--	11.5	11.5
Aircraft engine mechanics	5	--	--	--	--	--	--
Automobile body and related repairers	11	27.3	27.3	--	--	--	--
Heavy equipment mechanics	21	33.3	--	47.6	--	--	--
Farm equipment mechanics	6	--	--	--	--	--	--
Industrial machinery repairers	21	19.0	--	42.9	--	--	19.0
Machinery maintenance occupations	6	--	--	--	--	--	--

See footnotes at end of table.

TABLE A-5. Fatal occupational injuries by occupation and event or exposure, All United States, 2002 - 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
Electrical and electronic equipment repairers	31	29.0	--	16.1	29.0	19.4	--
Electronic repairers, communications and industrial equipment	16	31.3	--	--	37.5	--	--
Telephone line installers and repairers	6	--	--	--	--	50.0	--
Telephone installers and repairers	4	75.0	--	--	--	--	--
Miscellaneous electrical and electronic equipment repairers	4	--	--	75.0	--	--	--
Heating, air conditioning, and refrigeration mechanics	25	28.0	12.0	--	28.0	28.0	--
Miscellaneous mechanics and repairers	54	22.2	--	24.1	22.2	25.9	--
Elevator installers and repairers	5	--	--	--	--	--	--
Millwrights	7	--	--	57.1	--	--	--
Construction trades	684	19.3	2.5	13.3	39.0	23.7	2.2
Supervisors, construction occupations	108	30.6	6.5	18.5	30.6	12.0	--
Supervisors, carpenters and related workers	9	--	--	33.3	33.3	--	--
Supervisors, electricians and power transmission installers	9	33.3	--	--	--	33.3	--
Supervisors, painters, paperhangers, and plasterers	3	--	--	--	--	--	--
Supervisors, plumbers, pipefitters, and steamfitters	8	--	--	37.5	--	--	--
Supervisors, n.e.c.	78	34.6	3.8	15.4	33.3	10.3	--
Construction trades, except supervisors	576	17.2	1.7	12.3	40.6	25.9	2.3
Brickmasons, stonemasons, and apprentices	21	14.3	--	23.8	33.3	19.0	--
Carpenters and apprentices	109	11.0	2.8	11.9	57.8	13.8	--
Drywall installers	9	--	--	--	--	--	--
Electricians and apprentices	117	14.5	2.6	10.3	16.2	53.0	3.4
Electrical power installers and repairers	41	14.6	--	--	19.5	56.1	--
Painters, construction and maintenance	46	10.9	--	10.9	63.0	13.0	--
Plumbers, pipefitters, steamfitters, and apprentices	34	29.4	--	35.3	20.6	11.8	--
Insulation workers	5	--	--	--	--	--	--
Paving, surfacing, and tamping equipment operators	4	100.0	--	--	--	--	--
Roofers	87	11.5	--	--	67.8	18.4	--
Structural metal workers	39	--	--	23.1	69.2	--	--
Drillers, earth	8	62.5	--	--	--	--	--
Extractive occupations	58	24.1	--	37.9	10.3	10.3	15.5
Supervisors, extractive occupations	8	75.0	--	--	--	--	--
Drillers, oil wells	7	--	--	--	--	--	42.9
Mining machine operators	17	17.6	--	47.1	--	17.6	--
Precision production occupations	90	14.4	20.0	31.1	11.1	10.0	13.3
Precision metal working occupations	28	--	14.3	39.3	25.0	--	--
Machinists	12	--	--	66.7	--	--	--
Sheet metal workers	6	--	--	--	50.0	--	--
Precision food production occupations	4	--	--	--	--	--	--
Plant and system operators	17	29.4	17.6	29.4	--	--	17.6
Water and sewage treatment plant operators	6	--	--	--	--	--	--
Stationary engineers	6	--	--	--	--	--	--
Operators, fabricators, and laborers	1,897	55.9	6.7	17.1	10.1	7.6	2.3
Machine operators, assemblers, and inspectors	169	14.8	6.5	37.3	18.3	10.1	13.0
Machine operators and tenders, except precision	95	12.6	9.5	44.2	11.6	7.4	14.7
Metal working and plastic working machine operators	7	--	--	85.7	--	--	--
Metal and plastic processing machine operators	4	--	--	--	--	--	--
Woodworking machine operators	5	--	--	80.0	--	--	--
Sawing machine operators	3	--	--	100.0	--	--	--
Printing machine operators	3	--	--	--	--	--	--
Textile, apparel, and furnishings machine operators	3	--	--	--	--	--	--

See footnotes at end of table.

TABLE A-5. Fatal occupational injuries by occupation and event or exposure, All United States, 2002 - 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
Machine operators, assorted materials	71	11.3	8.5	39.4	11.3	9.9	19.7
Packaging and filling machine operators	3	--	--	--	--	--	--
Mixing and blending machine operators	4	--	--	--	--	--	--
Separating, filtering, and clarifying machine operators	6	--	--	--	--	--	50.0
Furnace, kiln, and oven operators except food	6	--	--	--	--	--	50.0
Crushing and grinding machine operators	6	--	--	50.0	--	--	--
Slicing and cutting machine operators	4	--	--	--	--	--	--
Miscellaneous machine operators, n.e.c.	24	12.5	--	33.3	20.8	--	20.8
Machine operators, not specified	14	21.4	--	57.1	--	--	--
Fabricators, assemblers, and hand working occupations	63	12.7	--	30.2	27.0	15.9	11.1
Welders and cutters	53	11.3	--	24.5	32.1	17.0	13.2
Assemblers	9	--	--	66.7	--	--	--
Production inspectors, testers, samplers, and weighers	11	45.5	--	--	27.3	--	--
Transportation and material moving occupations	1,143	73.7	6.8	12.0	3.8	3.3	0.3
Motor vehicle operators	952	77.9	7.7	8.4	3.2	2.5	--
Truck drivers	808	80.7	3.1	9.8	3.2	2.8	--
Driver-sales workers	58	74.1	24.1	--	--	--	--
Bus drivers	19	78.9	15.8	--	--	--	--
Taxicab drivers and chauffeurs	51	37.3	58.8	--	--	--	--
Transportation occupations, except motor vehicles	38	78.9	--	--	--	13.2	--
Rail transportation occupations	11	100.0	--	--	--	--	--
Railroad conductors and yardmasters	6	100.0	--	--	--	--	--
Water transportation occupations	27	70.4	--	--	--	18.5	--
Ship captains and mates, except fishing boats	13	76.9	--	--	--	23.1	--
Sailors and deckhands	14	64.3	--	--	--	--	--
Material moving equipment operators	153	45.8	2.6	36.6	7.8	5.9	--
Operating engineers	33	57.6	--	33.3	--	--	--
Hoist and winch operators	5	--	--	--	--	--	--
Crane and tower operators	13	--	--	69.2	23.1	--	--
Excavating and loading machine operators	16	43.8	--	43.8	--	--	--
Grader, dozer, and scraper operators	13	76.9	--	23.1	--	--	--
Industrial truck and tractor equipment operators	49	53.1	--	34.7	6.1	--	--
Handlers, equipment cleaners, helpers, and laborers	585	33.2	6.7	21.4	20.2	15.2	3.1
Helpers, mechanics and repairers	4	--	--	--	--	--	--
Helpers, construction and extractive occupations	14	--	--	--	42.9	35.7	--
Helpers, construction trades	14	--	--	--	42.9	35.7	--

See footnotes at end of table.

TABLE A-5. Fatal occupational injuries by occupation and event or exposure, All United States, 2002 - 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
Construction laborers	303	31.0	2.3	24.1	24.1	15.8	2.6
Production helpers	3	--	--	--	--	--	--
Freight, stock, and material handlers	51	45.1	19.6	9.8	17.6	5.9	--
Garbage collectors	17	94.1	--	--	--	--	--
Stevedores	4	--	--	--	--	--	--
Stock handlers and baggers	16	--	56.3	--	18.8	--	--
Garage and service station related occupations	11	45.5	45.5	--	--	--	--
Vehicle washers and equipment cleaners	11	45.5	--	--	--	27.3	--
Hand packers and packagers	3	--	--	--	--	--	--
Laborers, except construction	181	34.8	6.6	23.8	14.4	16.6	3.9
Military occupations	86	68.6	10.5	9.3	--	3.5	7.0

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 assaults by animals.

NOTE: 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.

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

All Data are revised and final.

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