

TABLE A-4. Fatal occupational injuries by occupation and event or exposure, 1997

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	6,218	41.8	17.7	16.6	11.5	8.8	3.2
Managerial and professional specialty	667	46.0	29.5	6.0	9.9	6.0	1.8
Executive, administrative, and managerial Administrators and officials, public administration	417	36.2	37.2	7.0	12.2	4.6	2.2
Financial managers	8	62.5	—	—	—	—	—
Managers, marketing, advertising, and public relations	8	50.0	50.0	—	—	—	—
Managers, marketing, advertising, and public relations	11	54.5	—	—	—	—	—
Administrators, education and related fields	8	50.0	37.5	—	—	—	—
Managers, medicine and health	8	50.0	37.5	—	—	—	—
Managers, food serving and lodging establishments	89	9.0	74.2	3.4	9.0	—	—
Managers, properties and real estate	20	25.0	40.0	—	30.0	—	—
Managers, service organizations, n.e.c.	10	40.0	40.0	—	—	—	—
Managers and administrators, n.e.c.	207	41.1	25.1	10.6	13.0	6.8	2.4
Management related occupations	37	62.2	24.3	—	10.8	—	—
Accountants and auditors	7	57.1	—	—	—	—	—
Personnel, training, and labor relations specialists	5	60.0	—	—	—	—	—
Buyers, wholesale and retail trade except farm products	3	100.0	—	—	—	—	—
Inspectors and compliance officers, except construction	6	66.7	—	—	—	—	—
Professional specialty	250	62.4	16.8	4.4	6.0	8.4	1.2
Engineers, architects, and surveyors	45	68.9	—	6.7	11.1	11.1	—
Architects	4	100.0	—	—	—	—	—
Engineers	40	65.0	—	7.5	12.5	12.5	—
Civil engineers	5	60.0	—	—	—	—	—
Electrical and electronic	13	53.8	—	—	23.1	—	—
Industrial	3	100.0	—	—	—	—	—
Mechanical	6	83.3	—	—	—	—	—
Mathematical and computer scientists	9	88.9	—	—	—	—	—
Computer systems analysts and scientists	7	85.7	—	—	—	—	—
Natural scientists	12	41.7	—	—	—	—	—
Health diagnosing occupations	12	33.3	66.7	—	—	—	—
Physicians	9	44.4	55.6	—	—	—	—
Health assessment and treating occupations	29	72.4	17.2	—	—	—	—
Registered nurses	20	75.0	—	—	—	—	—
Teachers, postsecondary	9	66.7	—	—	—	—	—
Teachers, except postsecondary	24	87.5	—	—	—	—	—
Teachers, secondary school	6	66.7	—	—	—	—	—
Social, recreation, and religious workers	28	67.9	14.3	—	14.3	—	—
Social workers	13	69.2	23.1	—	—	—	—
Clergy	7	71.4	—	—	—	—	—
Lawyers and judges	12	50.0	50.0	—	—	—	—
Lawyers	11	45.5	54.5	—	—	—	—
Writers, artists, entertainers, and athletes	64	48.4	20.3	7.8	6.2	17.2	—
Photographers	14	92.9	—	—	—	—	—
Artists, performers, and related workers	8	37.5	—	—	—	—	—
Athletes	26	38.5	11.5	—	—	38.5	—
Technical, sales, and administrative support	733	41.2	46.9	3.1	4.1	3.4	1.1
Technicians and related support occupations	172	80.8	6.4	1.7	3.5	7.0	—
Health technologists and technicians	15	40.0	40.0	—	—	—	—
Clinical laboratory technologists and technicians	4	—	75.0	—	—	—	—
Engineering and related technologists and technicians	33	66.7	—	—	9.1	9.1	—
Electrical and electronic technicians	16	56.2	—	—	—	—	—

See footnotes at end of table.

TABLE A-4. Fatal occupational injuries by occupation and event or exposure, 1997 - 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, except health, engineering, and science	114	93.0	2.6	—	—	2.6	—
Airplane pilots and navigators	100	100.0	—	—	—	—	—
Sales occupations	458	24.7	65.7	2.8	3.7	2.0	1.1
Supervisors and proprietors, sales occupations	223	13.9	73.5	4.5	4.5	2.2	1.3
Sales representatives, finance and business services	40	62.5	30.0	—	—	—	—
Real estate sales occupations	11	36.4	36.4	—	—	—	—
Sales representatives, commodities except retail	13	69.2	23.1	—	—	—	—
Sales representatives, mining, manufacturing, and wholesale	13	69.2	23.1	—	—	—	—
Sales workers, retail and personal services	182	26.4	67.0	1.6	2.7	1.6	—
Sales workers, motor vehicles and boats	10	60.0	40.0	—	—	—	—
Sales counter clerks	12	—	100.0	—	—	—	—
Cashiers	84	4.8	91.7	—	—	—	—
News vendors	22	95.5	—	—	—	—	—
Administrative support occupations, including clerical	103	48.5	31.1	6.8	6.8	3.9	—
Secretaries, stenographers, and typists	7	57.1	—	—	—	—	—
Secretaries	6	66.7	—	—	—	—	—
Information clerks	6	—	66.7	—	—	—	—
Records processing occupations, except financial	4	100.0	—	—	—	—	—
Financial records processing occupations	5	—	80.0	—	—	—	—
Bookkeepers, accounting, and auditing clerks	5	—	80.0	—	—	—	—
Mail and message distributing occupations	28	85.7	14.3	—	—	—	—
Postal clerks, except mail carriers	4	—	75.0	—	—	—	—
Mail carriers, postal service	7	100.0	—	—	—	—	—
Mail clerks, except postal service	3	100.0	—	—	—	—	—
Messengers	14	92.9	—	—	—	—	—
Material recording, scheduling, and distributing clerks	27	25.9	22.2	22.2	18.5	—	—
Dispatchers	6	50.0	—	—	—	—	—
Traffic, shipping, and receiving clerks	8	—	37.5	37.5	—	—	—
Stock and inventory clerks	10	—	—	—	30.0	—	—
Adjusters and investigators	6	50.0	50.0	—	—	—	—
Miscellaneous administrative support	17	35.3	41.2	—	—	—	—
General office clerks	7	42.9	—	—	—	—	—
Bank tellers	3	—	100.0	—	—	—	—
Service occupations	492	32.9	42.3	4.3	8.9	5.7	5.7
Private household occupations	4	—	75.0	—	—	—	—
Protective service occupations	283	39.9	42.8	2.8	2.8	3.5	8.1
Firefighting and fire prevention occupations, including supervisors	49	34.7	—	10.2	—	8.2	44.9
Firefighting occupations	45	33.3	—	11.1	—	8.9	44.4
Police and detectives, including supervisors	156	45.5	48.7	—	3.8	—	—
Police and detectives, public services	97	42.3	53.6	—	3.1	—	—
Sheriffs, bailiffs, and other law enforcement officers	36	52.8	44.4	—	—	—	—
Correctional institution officers	16	50.0	31.2	—	—	—	—
Guards, including supervisors	78	32.1	56.4	—	—	6.4	—
Crossing guards	6	100.0	—	—	—	—	—
Guards and police, except public service	68	23.5	63.2	—	—	7.4	—
Service occupations, except protective and household	205	23.4	41.0	6.3	17.6	8.8	2.4
Food preparation and service occupations	63	6.3	74.6	—	9.5	6.3	—

See footnotes at end of table.

TABLE A-4. Fatal occupational injuries by occupation and event or exposure, 1997 - 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	4	—	100.0	—	—	—	—
Bartenders	3	—	100.0	—	—	—	—
Waiters and waitresses	10	—	60.0	—	—	—	—
Cooks	26	11.5	65.4	—	11.5	—	—
Food counter, fountain and related occupations	9	—	88.9	—	—	—	—
Kitchen, workers, food preparation	3	—	100.0	—	—	—	—
Miscellaneous food preparation occupations	7	—	71.4	—	—	—	—
Health service occupations	20	50.0	25.0	—	—	—	—
Nursing aides, orderlies, and attendants	15	53.3	20.0	—	—	—	—
Cleaning and building service occupations, except household	85	20.0	20.0	9.4	30.6	14.1	4.7
Maids and housemen	6	—	66.7	—	—	—	—
Janitors and cleaners	73	20.5	15.1	8.2	32.9	16.4	5.5
Personal service occupations	37	45.9	40.5	—	—	—	—
Hairdressers and cosmetologists	7	42.9	57.1	—	—	—	—
Attendants, amusement and recreation facilities	6	—	50.0	—	—	—	—
Guides	6	66.7	—	—	—	—	—
Farming, forestry, and fishing	923	43.7	6.5	32.9	6.9	7.9	2.1
Farming operators and managers	386	51.3	6.5	28.0	5.7	5.7	2.8
Farmers, except horticultural	296	52.7	6.1	26.7	7.1	5.1	2.4
Horticultural specialty farmers	16	43.8	—	43.8	—	—	—
Managers, farms, except horticultural	71	47.9	8.5	29.6	—	8.5	5.6
Other agricultural and related occupations	349	40.4	9.7	26.4	10.6	11.2	1.7
Farm occupations, except managerial	229	46.7	11.8	25.8	6.1	7.0	2.6
Supervisors, farm workers	13	46.2	—	—	—	—	—
Farm workers	200	47.0	12.0	25.0	6.0	7.5	2.5
Related agricultural occupations	120	28.3	5.8	27.5	19.2	19.2	—
Supervisors, related agricultural occupations	11	45.5	—	—	27.3	—	—
Groundskeepers and gardeners, except farm	103	25.2	4.9	31.1	19.4	19.4	—
Forestry and logging occupations	128	14.1	—	78.1	3.9	3.1	—
Supervisors, forestry, and logging workers	11	—	—	90.9	—	—	—
Forestry workers, except logging	7	—	—	42.9	—	—	—
Timber cutting and logging occupations	110	14.5	—	79.1	2.7	2.7	—
Fishers, hunters, and trappers	60	76.7	—	6.7	—	13.3	—
Fishers, including vessel captains and officers	58	75.9	—	6.9	—	13.8	—
Precision production, craft, and repair	1,094	19.4	6.4	22.5	27.0	19.0	5.5
Mechanics and repairers	325	23.4	9.2	32.6	13.5	13.8	7.1
Supervisors, mechanics and repairers	17	—	17.6	35.3	17.6	17.6	—
Mechanics and repairers, except supervisors	308	24.4	8.8	32.5	13.3	13.6	7.1
Vehicle and mobile equipment mechanics, repairers	135	30.4	12.6	31.1	7.4	8.9	9.6
Automobile mechanics and apprentices	49	20.4	20.4	26.5	6.1	16.3	10.2
Bus, truck, and stationary engine mechanics	31	35.5	—	38.7	—	—	19.4
Aircraft engine mechanics	5	60.0	—	—	—	—	—
Automobile body and related repairers	11	—	45.5	27.3	—	—	—
Heavy equipment mechanics	32	37.5	—	37.5	12.5	9.4	—
Industrial machinery repairers	31	—	—	64.5	12.9	—	—
Machinery maintenance occupations	12	—	—	50.0	—	—	—
Electrical and electronic equipment repairers	36	33.3	—	8.3	25.0	25.0	—
Electronic repairers, communications and industrial equipment	10	—	—	—	50.0	30.0	—

See footnotes at end of table.

TABLE A-4. Fatal occupational injuries by occupation and event or exposure, 1997 - 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
Household appliance and power tool repairers	7	42.9	-	-	-	57.1	-
Telephone line installers and repairers	10	40.0	-	30.0	-	-	-
Heating, air conditioning, and refrigeration mechanics	14	-	-	-	35.7	50.0	-
Miscellaneous mechanics and repairers	80	20.0	7.5	36.2	15.0	13.8	6.2
Elevator installers and repairers	11	-	-	81.8	-	-	-
Millwrights	13	-	-	46.2	30.8	-	-
Construction trades	593	17.0	3.9	12.1	39.8	23.6	3.4
Supervisors, construction occupations	73	28.8	6.8	16.4	28.8	13.7	4.1
Supervisors, carpenters and related workers	7	-	-	-	57.1	-	-
Supervisors, electricians and power transmission installers	10	-	-	-	-	50.0	-
Supervisors, n.e.c.	49	36.7	8.2	14.3	30.6	6.1	-
Construction trades, except supervisors	520	15.4	3.5	11.5	41.3	25.0	3.3
Brickmasons, stonemasons, and apprentices	13	-	-	-	46.2	23.1	-
Carpenters and apprentices	98	19.4	7.1	17.3	42.9	11.2	-
Drywall installers	7	-	-	-	71.4	-	-
Electricians and apprentices	94	16.0	-	11.7	18.1	46.8	6.4
Electrical power installers and repairers	48	6.2	-	10.4	27.1	50.0	-
Painters, construction and maintenance	39	-	-	-	64.1	20.5	7.7
Plumbers, pipefitters, steamfitters, and apprentices	36	19.4	-	19.4	30.6	25.0	-
Insulation workers	8	-	-	-	50.0	37.5	-
Roofers	55	9.1	-	-	74.5	14.5	-
Structural metal workers	45	-	-	6.7	80.0	11.1	-
Drillers, earth	10	-	-	50.0	-	30.0	-
Extractive occupations	75	17.3	-	50.7	9.3	8.0	13.3
Supervisors, extractive occupations	14	35.7	-	50.0	-	-	-
Drillers, oil wells	11	-	-	54.5	-	-	-
Mining machine operators	21	-	-	61.9	-	-	-
Precision production occupations	101	21.8	16.8	29.7	7.9	16.8	6.9
Precision metal working occupations	24	25.0	12.5	41.7	12.5	-	-
Machinists	13	30.8	-	53.8	-	-	-
Sheet metal workers	6	-	-	-	50.0	-	-
Precision food production occupations	7	57.1	-	-	-	-	-
Bakers	3	100.0	-	-	-	-	-
Plant and system operators	28	14.3	-	17.9	14.3	39.3	10.7
Water and sewage treatment plant operators	13	30.8	-	-	-	38.5	-
Stationary engineers	5	-	-	-	60.0	-	-
Operators, fabricators, and laborers	2,161	52.2	9.1	18.1	9.6	7.5	3.2
Machine operators, assemblers, and inspectors	221	14.0	8.6	37.6	11.8	13.1	14.0
Metal working and plastic working machine operators	9	-	-	55.6	-	-	-
Woodworking machine operators	13	-	-	92.3	-	-	-
Sawing machine operators	10	-	-	90.0	-	-	-
Textile, apparel, and furnishings machine operators	6	-	50.0	-	-	-	-
Machine operators, assorted materials	89	7.9	9.0	42.7	6.7	20.2	13.5
Furnace, kiln, and oven operators except food	5	-	-	-	-	60.0	-
Fabricators, assemblers, and hand working occupations	83	14.5	7.2	24.1	20.5	10.8	21.7
Welders and cutters	61	9.8	4.9	26.2	19.7	13.1	24.6
Assemblers	15	26.7	-	26.7	26.7	-	-
Transportation and material moving occupations	1,271	71.4	10.6	11.1	2.9	2.9	.9
Motor vehicle operators	1,026	75.0	12.1	7.3	2.6	2.1	.7
Truck drivers	857	81.3	3.7	8.4	2.9	2.6	.8

See footnotes at end of table.

TABLE A-4. Fatal occupational injuries by occupation and event or exposure, 1997 - 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
Driver-sales workers	44	70.5	25.0	-	-	-	-
Bus drivers	12	75.0	25.0	-	-	-	-
Taxicab drivers and chauffeurs	100	24.0	76.0	-	-	-	-
Transportation occupations, except motor vehicles	76	81.6	5.3	5.3	-	5.3	-
Rail transportation occupations	27	92.6	-	-	-	-	-
Railroad conductors and yardmasters	10	100.0	-	-	-	-	-
Locomotive operating occupations	8	75.0	-	-	-	-	-
Railroad brake, signal, and switch operators	9	100.0	-	-	-	-	-
Water transportation occupations	49	75.5	8.2	6.1	-	8.2	-
Ship captains and mates, except fishing boats	14	71.4	-	-	-	-	-
Sailors and deckhands	32	75.0	-	9.4	-	9.4	-
Material moving equipment operators	169	45.6	4.1	36.7	5.3	6.5	1.8
Operating engineers	47	38.3	8.5	38.3	-	10.6	-
Hoist and winch operators	7	-	-	-	57.1	-	-
Crane and tower operators	15	-	-	46.7	-	26.7	-
Excavating and loading machine operators	23	56.5	-	43.5	-	-	-
Grader, dozer, and scraper operators	15	80.0	-	-	-	-	-
Industrial truck and tractor equipment operators	36	58.3	-	38.9	-	-	-
Handlers, equipment cleaners, helpers, and laborers	669	28.3	6.3	25.1	21.7	14.3	4.0
Helpers, construction and extractive occupations	14	28.6	-	-	35.7	35.7	-
Helpers, construction trades	11	-	-	-	45.5	45.5	-
Construction laborers	333	29.4	1.2	22.2	31.2	14.4	1.2
Production helpers	8	-	-	-	-	37.5	-
Freight, stock, and material handlers	68	51.5	17.6	16.2	5.9	5.9	-
Garbage collectors	21	81.0	-	-	-	-	-
Stevedores	11	63.6	-	36.4	-	-	-
Stock handlers and baggers	11	-	63.6	-	27.3	-	-
Garage and service station related occupations	19	-	57.9	15.8	-	-	15.8
Vehicle washers and equipment cleaners	13	23.1	-	23.1	-	23.1	-
Laborers, except construction	208	23.1	5.3	36.1	13.5	14.4	7.7
Military occupations	94	72.3	11.7	3.2	-	9.6	-

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.

rounding.

There were 54 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."

NOTE: Totals for major categories may include subcategories not shown separately. Percentages may not add to totals because of

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