

Table A-11. Fatal occupational injuries by industry and event or exposure, 1993

Industry ¹	Fatalities		Event or exposure ² (percent)					
	Number	Percent	Transportation incidents	Assaults and violent acts	Contact with objects and equipment	Falls	Exposure to harmful substances or environments	Fires and explosions
Total	6,271	100	39.6	20.9	16.6	9.7	9.4	3.2
Private industry	5,590	100	38.1	20.6	17.8	10.1	9.8	3.0
Agriculture, forestry and fishing	855	100	50.8	5.4	26.1	5.8	10.5	1.3
Agricultural production - crops	398	100	58.5	3.0	27.4	2.3	6.8	1.8
Cash grains	44	100	43.2	—	38.6	—	9.1	—
Field Crops, except cash grains	21	100	76.2	—	—	—	—	—
Sugarcane and sugar beets	8	100	87.5	—	—	—	—	—
Field crops, except grains, nec	7	100	85.7	—	—	—	—	—
Vegetables and melons	14	100	78.6	—	—	—	—	—
Fruits and tree nuts	23	100	60.9	—	26.1	—	—	—
Citrus fruits	5	100	80.0	—	—	—	—	—
Deciduous tree fruits	12	100	58.3	—	—	—	—	—
Horticultural specialties	8	100	50.0	—	—	—	—	—
General farms, primarily crop	184	100	56.0	3.3	29.3	2.2	8.2	—
Agricultural production - livestock	209	100	39.2	10.0	35.4	4.3	9.6	—
Livestock, except dairy and poultry	60	100	40.0	8.3	31.7	—	11.7	—
Beef cattle feedlots	10	100	80.0	—	—	—	—	—
Beef cattle, except feedlots	24	100	25.0	—	33.3	—	16.7	—
General livestock, nec	9	100	44.4	—	—	—	—	—
Dairy farms	72	100	43.1	9.7	34.7	—	9.7	—
General farms, primarily animal	51	100	31.4	9.8	45.1	—	7.8	—
Agricultural services	153	100	33.3	7.8	22.2	19.6	17.0	—
Crop services	31	100	64.5	—	16.1	—	—	—
Crop planting and protecting	17	100	88.2	—	—	—	—	—
Animal services, except veterinary	7	100	—	57.1	—	—	—	—
Animal specialty services	6	100	—	66.7	—	—	—	—
Farm labor and management services	11	100	90.9	—	—	—	—	—
Farm management services	4	100	100.0	—	—	—	—	—
Landscape and horticultural services	92	100	17.4	5.4	27.2	28.3	21.7	—
Lawn and garden services	17	100	—	—	—	29.4	29.4	—
Ornamental shrub and tree services	53	100	15.1	—	32.1	30.2	20.8	—
Fishing, hunting, and trapping	87	100	74.7	—	—	—	18.4	—
Commercial fishing	84	100	73.8	—	—	—	19.0	—
Finfish	31	100	96.8	—	—	—	—	—
Shellfish	42	100	64.3	—	—	—	26.2	—
Mining	174	100	27.0	2.9	42.0	8.0	14.4	4.6
Metal mining	17	100	29.4	—	47.1	—	—	—
Copper ores	7	100	—	—	100.0	—	—	—
Coal mining	40	100	12.5	—	70.0	—	15.0	—
Bituminous coal and lignite mining	39	100	12.8	—	71.8	—	12.8	—
Oil and gas extraction	94	100	33.0	4.3	31.9	9.6	14.9	4.3
Crude petroleum and natural gas	14	100	35.7	—	35.7	—	—	—
Oil and gas field services	79	100	32.9	—	31.6	11.4	16.5	5.1
Nonmetallic minerals, except fuels	23	100	26.1	—	30.4	17.4	17.4	—
Sand and gravel	7	100	57.1	—	—	—	—	—
Construction	924	100	25.2	4.0	20.2	29.5	17.2	3.5
General building contractors	152	100	23.0	5.3	21.1	37.5	9.9	2.6
Residential building construction	62	100	16.1	6.5	17.7	41.9	9.7	6.5
Nonresidential building construction	70	100	25.7	—	25.7	34.3	11.4	—
Heavy construction, except building	255	100	37.3	3.1	28.6	11.4	16.1	3.5
Highway and street construction	72	100	61.1	—	22.2	11.1	—	—
Heavy construction, except highway	176	100	27.3	4.0	31.2	11.9	21.6	4.0
Special trades contractors	517	100	19.9	4.1	15.9	36.2	19.9	3.7
Plumbing, heating and air-conditioning	46	100	23.9	—	30.4	23.9	15.2	—
Painting and paper hanging	40	100	12.5	—	—	57.5	25.0	—
Electrical work	67	100	19.4	—	6.0	16.4	52.2	—
Masonry, stonework, tile setting, and plastering	41	100	22.0	—	22.0	48.8	—	—
Carpentry and floor work	38	100	18.4	—	21.1	31.6	15.8	—
Roofing, siding, and sheet metal work	84	100	13.1	—	6.0	66.7	13.1	—
Concrete work	18	100	38.9	—	—	—	27.8	—
Water well drilling	10	100	—	—	—	—	50.0	—
Miscellaneous special trade contractors	158	100	22.8	5.1	20.3	31.0	12.0	8.2
Structural steel erection	41	100	—	—	9.8	65.9	12.2	—
Excavation work	33	100	36.4	—	39.4	—	—	—
Special trade contractors, n.e.c.	56	100	30.4	—	—	32.1	19.6	7.1
Manufacturing	762	100	29.1	9.1	36.2	8.0	10.6	5.9
Food and kindred products	82	100	35.4	9.8	24.4	9.8	14.6	6.1
Meat products	19	100	21.1	—	36.8	—	21.1	—
Dairy products	6	100	66.7	—	—	—	—	—
Preserved fruits and vegetables	9	100	55.6	—	—	—	—	—
Grain mill products	11	100	36.4	—	—	—	—	—

See footnotes at end of table.

Table A-11. Fatal occupational injuries by industry and event or exposure, 1993 — Continued

Industry ¹	Fatalities		Event or exposure ² (percent)					
	Number	Percent	Transportation incidents	Assaults and violent acts	Contact with objects and equipment	Falls	Exposure to harmful substances or environments	Fires and explosions
Bakery products	8	100	75.0	—	—	—	—	—
Sugar and confectionery products	8	100	—	—	50.0	—	—	—
Miscellaneous food and kindred products	8	100	50.0	—	—	—	—	—
Textile mill products	19	100	—	26.3	31.6	—	—	—
Textile finishing, except wool	4	100	—	—	100.0	—	—	—
Lumber and wood products	204	100	28.4	2.5	63.2	3.4	2.0	—
Logging	147	100	30.6	—	63.3	—	—	—
Sawmills and planing mills	29	100	17.2	—	75.9	—	—	—
Millwork, plywood and structural members	12	100	—	—	41.7	33.3	—	—
Miscellaneous wood products	9	100	—	—	55.6	—	—	—
Furniture and fixtures	8	100	62.5	—	—	—	—	—
Paper and allied products	15	100	33.3	—	—	—	—	—
Printing and publishing	37	100	64.9	21.6	—	—	—	—
Newspapers	21	100	71.4	19.0	—	—	—	—
Commercial printing	9	100	55.6	—	—	—	—	—
Chemicals and allied products	32	100	15.6	15.6	12.5	—	18.8	28.1
Petroleum and coal products	17	100	23.5	—	—	—	41.2	23.5
Petroleum refining	15	100	—	—	—	—	46.7	26.7
Rubber and miscellaneous plastics products	29	100	24.1	13.8	20.7	—	17.2	13.8
Miscellaneous plastics products, nec	23	100	26.1	17.4	17.4	—	17.4	—
Stone, clay, glass and concrete products	53	100	24.5	—	45.3	13.2	13.2	—
Concrete, gypsum, and plaster products	37	100	18.9	—	48.6	10.8	18.9	—
Primary metal industries	71	100	12.7	8.5	38.0	15.5	14.1	11.3
Blast furnace and basic steel products	32	100	12.5	—	40.6	18.8	—	15.6
Iron and steel foundries	10	100	—	—	50.0	—	—	—
Fabricated metal products	46	100	15.2	8.7	37.0	8.7	17.4	8.7
Fabricated structural metal products	19	100	31.6	—	31.6	—	—	—
Metal forgings and stampings	6	100	—	—	66.7	—	—	—
Industrial machinery and equipment	44	100	29.5	9.1	38.6	9.1	9.1	—
Construction and related machinery	9	100	—	—	55.6	—	—	—
Metalworking machinery	9	100	—	—	55.6	—	—	—
Electronic and other electronic equipment	18	100	38.9	33.3	—	—	—	—
Transportation equipment	55	100	43.6	9.1	18.2	10.9	10.9	—
Motor vehicles and equipment	16	100	37.5	—	25.0	—	—	—
Aircraft and parts	15	100	60.0	—	—	—	—	—
Ship and boat building and repairing	18	100	38.9	—	22.2	—	—	—
Miscellaneous manufacturing industries	15	100	46.7	—	—	—	—	—
Miscellaneous manufactures	11	100	45.5	—	—	—	—	—
Transportation and public utilities	890	100	65.1	15.7	8.1	3.3	4.7	2.5
Railroad transportation	44	100	84.1	—	—	—	—	—
Railroads	44	100	84.1	—	—	—	—	—
Local and interurban passenger transportation	130	100	17.7	78.5	—	—	—	—
Local and suburban transportation	11	100	45.5	45.5	—	—	—	—
Taxicabs	106	100	8.5	90.6	—	—	—	—
Trucking and warehousing	467	100	79.0	5.1	9.2	2.4	1.9	1.5
Trucking and courier services, except air	425	100	80.5	4.9	8.7	1.6	1.9	1.4
Local trucking, without storage	108	100	79.6	—	14.8	—	—	—
Trucking, except local	211	100	83.9	4.3	5.2	—	1.9	1.9
Courier services, except by air	13	100	100.0	—	—	—	—	—
Public warehousing and storage	19	100	36.8	—	—	21.1	—	—
Trucking terminal facilities	8	100	75.0	—	—	—	—	—
Water transportation	51	100	47.1	—	7.8	11.8	17.6	9.8
Water transportation services	40	100	47.5	—	—	10.0	17.5	12.5
Transportation by air	79	100	87.3	—	5.1	—	—	—
Air transportation, scheduled	33	100	84.8	—	—	—	—	—
Air transportation, nonscheduled	27	100	96.3	—	—	—	—	—
Airports, flying fields, and services	19	100	78.9	—	—	—	—	—
Transportation services	21	100	57.1	—	—	—	—	—
Freight transportation arrangement	11	100	72.7	—	—	—	—	—
Communications	25	100	68.0	—	—	—	16.0	—
Telephone communications	14	100	57.1	—	—	—	—	—
Radio and television broadcasting	7	100	85.7	—	—	—	—	—
Electric, gas, and sanitary services	72	100	37.5	6.9	19.4	5.6	22.2	8.3
Electric services	23	100	21.7	—	—	—	34.8	—
Combination utility services	12	100	—	—	—	—	41.7	—
Sanitary services	29	100	62.1	—	27.6	—	—	—
Wholesale trade	250	100	55.2	15.2	12.8	8.0	3.6	4.0
Wholesale trade—durable goods	137	100	50.4	13.9	19.0	8.8	2.9	3.6
Motor vehicles, parts, and supplies	15	100	40.0	26.7	—	—	—	—
Lumber and construction materials	18	100	55.6	—	—	—	—	—
Professional and commercial equipment	13	100	69.2	—	—	—	—	—
Metals and minerals, except petroleum	9	100	—	—	55.6	—	—	—
Hardware, plumbing and heating equipment	10	100	80.0	—	—	—	—	—
Machinery, equipment, and supplies	30	100	66.7	—	—	—	—	—

See footnotes at end of table.

Table A-11. Fatal occupational injuries by industry and event or exposure, 1993 — Continued

Industry ¹	Fatalities		Event or exposure ² (percent)					
	Number	Percent	Transportation incidents	Assaults and violent acts	Contact with objects and equipment	Falls	Exposure to harmful substances or environments	Fires and explosions
Miscellaneous durable goods	34	100	29.4	17.6	32.4	—	—	14.7
Wholesale trade--nondurable goods	113	100	61.1	16.8	5.3	7.1	4.4	4.4
Groceries and related products	42	100	69.0	21.4	—	—	—	—
Farm-product raw materials	17	100	47.1	—	—	—	—	—
Petroleum and petroleum products	13	100	69.2	—	—	—	—	—
Beer, wine, and distilled beverages	11	100	72.7	—	—	—	—	—
Miscellaneous nondurable goods	21	100	57.1	—	—	—	—	—
Retail trade	784	100	18.2	70.4	4.7	2.3	2.9	.9
Building materials and garden supplies	32	100	28.1	25.0	25.0	—	—	—
Lumber and other building materials	20	100	35.0	—	25.0	—	—	—
Mobile home dealers	5	100	—	80.0	—	—	—	—
General merchandise stores	26	100	30.8	42.3	19.2	—	—	—
Department stores	14	100	28.6	42.9	—	—	—	—
Food stores	223	100	7.2	89.2	—	1.8	—	—
Grocery stores	199	100	5.5	90.5	—	2.0	—	—
Retail bakeries	11	100	—	72.7	—	—	—	—
Automotive dealers and service stations	138	100	28.3	53.6	8.0	2.9	4.3	—
New and used car dealers	30	100	60.0	23.3	—	—	—	—
Used car dealers	7	100	—	57.1	—	—	—	—
Auto and home supply stores	22	100	50.0	27.3	—	—	—	—
Gasoline service stations	68	100	7.4	79.4	7.4	—	—	—
Apparel and accessory stores	23	100	21.7	73.9	—	—	—	—
Family clothing stores	7	100	—	85.7	—	—	—	—
Shoe stores	5	100	—	80.0	—	—	—	—
Furniture and homefurnishings stores	25	100	28.0	56.0	—	—	—	—
Radio, television, and computer stores	11	100	—	81.8	—	—	—	—
Eating and drinking places	199	100	15.1	75.9	2.5	2.0	3.5	—
Eating places	113	100	17.7	73.5	—	—	—	—
Drinking places	39	100	—	92.3	—	—	—	—
Miscellaneous retail	118	100	24.6	66.1	3.4	—	—	—
Drug stores and proprietary stores	7	100	—	71.4	—	—	—	—
Liquor stores	23	100	—	95.7	—	—	—	—
Used merchandise stores	15	100	—	80.0	—	—	—	—
Miscellaneous shopping goods stores	23	100	—	73.9	—	—	—	—
Nonstore retailers	22	100	45.5	45.5	—	—	—	—
Fuel dealers	10	100	70.0	—	—	—	—	—
Retail stores, nec	16	100	25.0	68.8	—	—	—	—
Finance, insurance, and real estate	116	100	31.0	39.7	3.4	14.7	11.2	—
Depository institutions	10	100	50.0	—	—	—	—	—
Commercial banks	7	100	57.1	—	—	—	—	—
Security and commodity brokers	8	100	50.0	—	—	—	—	—
Insurance carriers	13	100	30.8	61.5	—	—	—	—
Fire, marine, and casualty insurance	6	100	—	66.7	—	—	—	—
Insurance agents, brokers, and service	15	100	73.3	—	—	—	—	—
Real estate	64	100	14.1	43.8	—	23.4	15.6	—
Real estate operators and lessors	35	100	11.4	37.1	—	25.7	20.0	—
Real estate agents and managers	25	100	20.0	52.0	—	20.0	—	—
Services	758	100	35.2	27.8	9.9	9.4	12.9	3.8
Hotels and other lodging places	33	100	27.3	33.3	15.2	—	18.2	—
Hotels and motels	25	100	28.0	36.0	—	—	16.0	—
Personal services	30	100	20.0	70.0	—	—	—	—
Laundry, cleaning, and garment services	12	100	—	66.7	—	—	—	—
Beauty shops	9	100	—	88.9	—	—	—	—
Business services	188	100	32.4	26.1	9.0	15.4	12.2	4.3
Advertising	13	100	46.2	—	—	—	—	—
Services to buildings	31	100	32.3	—	—	41.9	—	—
Miscellaneous equipment rental and leasing	8	100	50.0	—	—	—	—	—
Personnel supply services	45	100	35.6	11.1	17.8	17.8	11.1	—
Computer and data processing services	7	100	57.1	—	—	—	—	—
Miscellaneous business services	82	100	23.2	45.1	4.9	6.1	14.6	6.1
Detective and armored car services	44	100	15.9	70.5	—	—	—	—
Automotive repair, services, and parking	116	100	22.4	31.9	22.4	—	11.2	9.5
Automotive rentals, no drivers	8	100	62.5	—	—	—	—	—
Automotive repair shops	83	100	9.6	39.8	21.7	—	13.3	13.3
Automotive services, except repair	23	100	52.2	—	26.1	—	—	—
Miscellaneous repair services	49	100	20.4	20.4	22.4	8.2	22.4	—
Miscellaneous repair shops	35	100	22.9	17.1	22.9	—	22.9	—
Motion pictures	23	100	34.8	56.5	—	—	—	—
Motion picture production and services	11	100	72.7	—	—	—	—	—
Video tape rental	10	100	—	100.0	—	—	—	—
Amusement and recreation services	77	100	50.6	15.6	5.2	11.7	15.6	—
Commercial sports	6	100	66.7	—	—	—	—	—
Miscellaneous amusement, recreation services	70	100	50.0	15.7	5.7	11.4	15.7	—
Health services	65	100	38.5	30.8	7.7	—	12.3	—

See footnotes at end of table.

Table A-11. Fatal occupational injuries by industry and event or exposure, 1993 — Continued

Industry ¹	Fatalities		Event or exposure ² (percent)					
	Number	Percent	Transportation incidents	Assaults and violent acts	Contact with objects and equipment	Falls	Exposure to harmful substances or environments	Fires and explosions
Offices and clinics of medical doctors	6	100	—	66.7	—	—	—	—
Nursing and personal care facilities	9	100	—	44.4	—	—	—	—
Hospitals	26	100	34.6	19.2	—	—	15.4	—
Legal services	14	100	—	71.4	—	—	—	—
Educational services	28	100	78.6	14.3	—	—	—	—
Colleges and universities	7	100	85.7	—	—	—	—	—
Schools and educational services, nec	10	100	100.0	—	—	—	—	—
Social services	28	100	35.7	25.0	—	—	21.4	—
Individual and family services	7	100	57.1	—	—	—	—	—
Residential care	10	100	—	—	—	—	40.0	—
Membership organizations	40	100	37.5	12.5	—	30.0	12.5	—
Business associations	7	100	57.1	—	—	—	—	—
Religious organizations	25	100	36.0	16.0	—	28.0	—	—
Engineering and management services	44	100	56.8	15.9	—	—	20.5	—
Engineering and architectural services	21	100	66.7	—	—	—	28.6	—
Research and testing services	10	100	70.0	—	—	—	—	—
Private households	14	100	35.7	—	—	—	—	—
Government³	681	100	52.0	23.2	6.6	6.6	6.0	5.1
Federal government (including resident armed forces)	186	100	61.3	16.1	7.0	7.0	4.3	3.8
Transportation and public utilities	16	100	43.8	43.8	—	—	—	—
U.S. Postal Service	13	100	38.5	53.8	—	—	—	—
Public administration	161	100	64.0	13.0	7.5	6.8	4.3	4.3
Executive, legislative, and general government	6	100	—	66.7	—	—	—	—
Justice, public order, and safety	7	100	—	85.7	—	—	—	—
Public order and safety	7	100	—	85.7	—	—	—	—
Police protection	7	100	—	85.7	—	—	—	—
Administration of economic programs	12	100	83.3	—	—	—	—	—
National security and international affairs	129	100	66.7	8.5	9.3	6.2	4.7	4.7
National security	129	100	66.7	8.5	9.3	6.2	4.7	4.7
State government	146	100	63.7	17.8	5.5	4.8	4.8	—
Construction	17	100	58.8	—	—	—	—	—
Heavy construction, except building	17	100	58.8	—	—	—	—	—
Highway and street construction	17	100	58.8	—	—	—	—	—
Transportation and public utilities	7	100	71.4	—	—	—	—	—
Services	30	100	50.0	23.3	—	—	—	—
Educational services	17	100	64.7	—	—	—	—	—
Elementary and secondary schools	6	100	83.3	—	—	—	—	—
Colleges and universities	10	100	60.0	—	—	—	—	—
Public administration	91	100	68.1	19.8	4.4	—	—	—
Executive, legislative, and general government	11	100	72.7	—	—	—	—	—
Justice, public order, and safety	37	100	59.5	32.4	—	—	—	—
Public order and safety	36	100	58.3	33.3	—	—	—	—
Police protection	23	100	52.2	39.1	—	—	—	—
Correctional institutions	12	100	66.7	—	—	—	—	—
Administration of human resources	10	100	70.0	—	—	—	—	—
Environmental quality and housing	10	100	50.0	—	—	—	—	—
Administration of economic programs	21	100	90.5	—	—	—	—	—
Local government	340	100	41.8	29.7	6.8	7.1	7.4	7.4
Construction	21	100	61.9	—	19.0	—	—	—
Heavy construction, except building	19	100	68.4	—	21.1	—	—	—
Highway and street construction	17	100	70.6	—	—	—	—	—
Transportation and public utilities	46	100	30.4	30.4	8.7	8.7	15.2	—
Local and interurban passenger transportation	15	100	—	66.7	—	—	—	—
Local and suburban transportation	15	100	—	66.7	—	—	—	—
Electric, gas, and sanitary services	28	100	35.7	14.3	—	—	21.4	—
Electric services	8	100	—	—	—	—	50.0	—
Sanitary services	12	100	50.0	—	—	—	—	—
Services	60	100	33.3	28.3	8.3	11.7	13.3	—
Educational services	42	100	31.0	28.6	—	14.3	14.3	—
Elementary and secondary schools	35	100	31.4	25.7	—	14.3	17.1	—
Public administration	207	100	44.9	32.4	4.3	5.8	3.9	8.7
Executive, legislative, and general government	59	100	45.8	27.1	6.8	10.2	6.8	—

See footnotes at end of table.

Table A-11. Fatal occupational injuries by industry and event or exposure, 1993 — Continued

Industry ¹	Fatalities		Event or exposure ² (percent)					
	Number	Percent	Transportation incidents	Assaults and violent acts	Contact with objects and equipment	Falls	Exposure to harmful substances or environments	Fires and explosions
Executive offices	13	100	53.8	30.8	—	—	—	—
Executive and legislative combined	30	100	40.0	33.3	—	—	—	—
Justice, public order, and safety	128	100	42.2	35.2	3.9	3.1	3.1	12.5
Public order and safety	128	100	42.2	35.2	3.9	3.1	3.1	12.5
Police protection	86	100	44.2	48.8	—	—	—	—
Fire protection	35	100	37.1	—	—	—	—	45.7
Environmental quality and housing	12	100	50.0	33.3	—	—	—	—

¹ *Standard Industrial Classification Manual*, 1987 Edition.

² Based on the 1992 BLS Occupational Injury and Illness Classification Structures. Includes other events and exposures, such as bodily reaction, in addition to those shown separately.

³ Includes fatalities to workers employed by governmental organizations regardless of industry.

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.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, in cooperation with State and Federal agencies, Census of Fatal Occupational Injuries, 1993.