

TABLE A-10. Fatal occupational injuries by primary and secondary source of injury by major private industry division, All United States, 2002

Primary source and secondary source	Total fatalities (number)	Private Industry <sup>1</sup> (percent)								
		Agriculture, forestry, and fishing	Mining <sup>2</sup>	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Total	5,534	14.3	2.2	20.3	10.2	16.4	3.7	8.8	1.6	12.3
<b>Primary source<sup>3</sup></b>										
<b>Vehicles</b>	2,453	16.6	1.5	11.2	6.9	27.7	4.9	5.7	1.2	11.7
Vehicle, unspecified	3	--	--	--	--	--	--	--	--	--
Air vehicle	195	4.6	--	4.1	4.6	36.4	2.6	2.6	--	21.5
Aircraft, unspecified	8	--	--	--	--	37.5	--	--	--	--
Aircraft--powered fixed wing	143	5.6	--	4.9	--	32.9	3.5	3.5	--	22.4
Aircraft--powered fixed wing, unspecified	14	--	--	--	--	28.6	--	--	--	--
Jet	24	--	--	--	--	20.8	--	--	--	--
Propeller-driven aircraft	90	7.8	--	--	--	37.8	--	--	--	27.8
Aircraft--powered fixed wing, n.e.c.	15	--	--	--	--	26.7	--	--	--	46.7
Aircraft--powered rotary wing	37	--	--	--	--	54.1	--	--	--	--
Helicopter	37	--	--	--	--	54.1	--	--	--	--
Aircraft--nonpowered	5	--	--	--	--	--	--	--	--	100.0
Parachute	4	--	--	--	--	--	--	--	--	100.0
Highway vehicle, motorized	1,803	8.7	1.9	12.8	6.6	30.5	5.4	7.0	1.4	12.4
Highway vehicle, unspecified	35	11.4	--	11.4	14.3	11.4	11.4	8.6	--	11.4
Automobile	354	2.8	--	9.0	7.1	10.2	4.2	12.1	4.0	25.1
Bus	14	--	--	--	--	57.1	--	--	--	--
Motorcycle, moped	26	--	--	15.4	--	--	--	11.5	--	26.9
Truck	1,223	9.7	2.7	13.4	6.8	39.2	5.3	5.0	0.7	7.7
Truck, unspecified	79	13.9	--	16.5	7.6	31.6	6.3	3.8	--	5.1
Delivery truck	50	--	--	--	10.0	28.0	20.0	28.0	--	6.0
Dump truck	107	9.3	2.8	31.8	5.6	25.2	3.7	2.8	--	4.7
Pickup truck	291	18.9	4.1	25.1	4.1	7.9	4.5	5.5	--	16.2
Semitrailer, tractor trailer, trailer truck	503	3.2	1.6	4.2	7.4	72.6	5.2	2.6	--	1.6
Truck, n.e.c.	193	13.5	4.7	11.4	8.8	13.5	3.6	6.2	2.1	14.0
Van--passenger or light delivery	144	16.0	--	16.0	4.2	13.9	8.3	11.8	--	18.8
Highway vehicle, motorized, n.e.c.	6	--	--	--	--	--	--	--	--	--
Highway vehicle, nonmotorized	7	71.4	--	--	--	--	--	--	--	--
Animal or human powered vehicle	7	71.4	--	--	--	--	--	--	--	--
Animal or human powered vehicle, n.e.c.	5	100.0	--	--	--	--	--	--	--	--
Offroad vehicle, nonindustrial	30	50.0	--	--	--	--	--	--	--	16.7
All terrain vehicle (ATV)	22	68.2	--	--	--	--	--	--	--	--
Golf cart, powered	6	--	--	--	--	--	--	--	--	50.0
Plant and industrial powered vehicles, tractors	297	63.6	--	8.1	9.4	4.0	5.7	1.7	--	3.4
Forklift	70	5.7	--	17.1	30.0	14.3	17.1	--	--	4.3
Forklift, unspecified	52	--	--	15.4	32.7	17.3	19.2	--	--	--
Platform lift truck--high or low lift	3	--	--	--	--	--	--	--	--	--
Forklift, n.e.c.	10	--	--	--	30.0	--	--	--	--	--
Powered industrial carrier, except forklifts	4	--	--	--	75.0	--	--	--	--	--
Tractor	214	86.0	--	3.7	1.4	--	2.3	1.4	--	2.8
Plant and industrial powered vehicle, n.e.c.	8	--	--	50.0	--	--	--	--	--	--
Plant and industrial vehicle--nonpowered	6	50.0	--	--	--	--	--	--	--	--
Plant and industrial vehicle--nonpowered, n.e.c.	4	75.0	--	--	--	--	--	--	--	--
Rail vehicle	33	--	--	--	15.2	60.6	--	--	--	--
Train	29	--	--	--	13.8	65.5	--	--	--	--

See footnotes at end of table.

TABLE A-10. Fatal occupational injuries by primary and secondary source of injury by major private industry division, All United States, 2002 - continued

Primary source and secondary source	Total fatalities (number)	Private Industry <sup>1</sup> (percent)								
		Agriculture, forestry, and fishing	Mining <sup>2</sup>	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Rail vehicle, n.e.c.	3	--	--	--	--	--	--	--	--	--
Water vehicle	78	37.2	--	10.3	10.3	30.8	--	--	--	6.4
Barge	14	--	--	50.0	--	28.6	--	--	--	--
Canoe, kayak, rowboat, raft	4	--	--	--	--	--	--	--	--	--
Motorboat, yachts	8	37.5	--	--	--	--	--	--	--	--
Ships--other than sail powered	9	--	--	--	--	66.7	--	--	--	--
Tugboat, commercial fishing boat	38	65.8	--	--	--	31.6	--	--	--	--
<b>Structures and surfaces</b>	821	7.9	1.7	51.9	8.4	5.6	1.7	3.9	1.7	11.1
Structures and surfaces, unspecified	7	--	--	57.1	--	--	--	--	--	--
Floors, walkways, ground surfaces	690	8.3	1.3	51.6	8.6	5.9	1.4	4.2	1.9	11.3
Floors, walkways, ground surfaces, unspecified	55	--	--	47.3	12.7	9.1	--	--	--	12.7
Floors	211	--	2.4	47.9	13.7	3.3	3.3	6.6	2.8	14.7
Floor, unspecified	9	--	--	55.6	--	--	--	--	--	--
Floor of building	178	--	--	48.9	14.6	2.2	3.4	7.9	2.8	14.0
Floor of scaffold, staging, or temporary work platform	7	--	--	--	--	--	--	--	--	--
Floor, n.e.c.	14	--	21.4	42.9	--	--	--	--	--	--
Ground	308	15.3	--	57.8	5.8	4.9	--	1.6	--	8.8
Sidewalks, paths, outdoor walkways	40	10.0	--	47.5	--	--	--	--	7.5	12.5
Stairs, steps	9	--	--	55.6	--	--	--	--	--	--
Stairs, steps--indoors	7	--	--	71.4	--	--	--	--	--	--
Street, road	13	23.1	--	46.2	--	--	--	--	--	--
Surfaces below ground level, n.e.c.	19	--	--	68.4	--	--	--	--	--	--
Ditches, channels, trenches, excavations	17	--	--	70.6	--	--	--	--	--	--
Parking lots	19	--	--	--	--	47.4	--	15.8	--	--
Other floors, walkways, ground surfaces	14	--	--	35.7	--	--	--	--	--	21.4
Other floors, walkways, ground surfaces, unspecified	3	--	--	--	--	--	--	--	--	--
Ramps, runways, loading docks	3	--	--	--	--	--	--	--	--	--
Floors, walkways, ground surfaces, n.e.c.	7	--	--	71.4	--	--	--	--	--	--
Other structural elements	58	8.6	--	55.2	8.6	--	6.9	--	--	8.6
Doors	6	--	--	--	--	--	--	--	--	--
Fences, fence panels	3	--	--	--	--	--	--	--	--	--
Gates	4	--	--	--	--	--	--	--	--	--
Roof	9	--	--	55.6	--	--	--	--	--	--
Roof trusses	3	--	--	100.0	--	--	--	--	--	--
Walls	28	--	--	64.3	--	--	--	--	--	--
Structural elements, n.e.c.	4	--	--	--	--	--	--	--	--	--
Structures	62	4.8	8.1	54.8	4.8	6.5	--	--	--	8.1
Buildings--office, plant, residential	30	--	--	56.7	--	--	--	--	--	--
Mines, caves, tunnels	6	--	66.7	--	--	--	--	--	--	--
Mines, mine tunnels	4	--	100.0	--	--	--	--	--	--	--
Scaffolds, staging	10	--	--	70.0	--	--	--	--	--	--
Scaffolds--staging, unspecified	6	--	--	66.7	--	--	--	--	--	--
Towers, poles	11	--	--	63.6	--	--	--	--	--	--
Other structures	4	--	--	--	--	--	--	--	--	--
Structures, n.e.c.	4	--	--	--	--	--	--	--	--	--
<b>Machinery</b>	439	22.6	7.5	26.9	22.1	5.7	3.4	2.1	0.9	4.8
Agricultural and garden machinery	68	77.9	--	--	4.4	--	--	--	--	7.4
Harvesting and threshing machinery	18	100.0	--	--	--	--	--	--	--	--
Balers	3	100.0	--	--	--	--	--	--	--	--
Combines	6	100.0	--	--	--	--	--	--	--	--

See footnotes at end of table.

TABLE A-10. Fatal occupational injuries by primary and secondary source of injury by major private industry division, All United States, 2002 - continued

Primary source and secondary source	Total fatalities (number)	Private Industry <sup>1</sup> (percent)								
		Agriculture, forestry, and fishing	Mining <sup>2</sup>	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Harvesters, reapers	6	100.0	--	--	--	--	--	--	--	--
Harvesting and threshing machinery, n.e.c.	3	100.0	--	--	--	--	--	--	--	--
Mowing machinery	24	54.2	--	--	--	--	--	--	--	16.7
Lawn mowers--riding	9	44.4	--	--	--	--	--	--	--	--
Mowers--tractor	13	61.5	--	--	--	--	--	--	--	--
Plowing, planting, and fertilizing machinery	8	100.0	--	--	--	--	--	--	--	--
Plowing and cultivating machinery	3	100.0	--	--	--	--	--	--	--	--
Other agricultural and garden machinery	17	76.5	--	--	--	--	--	--	--	--
Feed grinders, crushers, mixers--agricultural	7	57.1	--	--	--	--	--	--	--	--
Agricultural and garden machinery, n.e.c.	9	88.9	--	--	--	--	--	--	--	--
Construction, logging, and mining machinery	174	19.5	10.3	42.0	13.2	4.0	--	--	--	--
Excavating machinery	59	22.0	6.8	50.8	6.8	--	--	--	--	--
Backhoes	25	24.0	--	52.0	--	--	--	--	--	--
Bulldozers	22	18.2	13.6	54.5	--	--	--	--	--	--
Trenchers	4	--	--	--	--	--	--	--	--	--
Excavating machinery, n.e.c.	6	--	--	--	--	--	--	--	--	--
Loaders	47	29.8	12.8	25.5	6.4	12.8	--	--	--	--
Loaders, unspecified	7	71.4	--	--	--	--	--	--	--	--
Bucket loaders	8	--	--	37.5	--	--	--	--	--	--
Front end loaders	25	16.0	12.0	24.0	--	24.0	--	--	--	--
Loaders, n.e.c.	7	42.9	--	42.9	--	--	--	--	--	--
Logging and wood processing machinery--specialized	22	18.2	--	--	68.2	--	--	--	--	--
Chippers	3	--	--	--	--	--	--	--	--	--
Log loaders, including heel boom	3	--	--	--	--	--	--	--	--	--
Forwarder/yarder, skidder	3	--	--	--	100.0	--	--	--	--	--
Skidder--cable and grapple	8	--	--	--	87.5	--	--	--	--	--
Mining and drilling machinery	13	--	38.5	46.2	--	--	--	--	--	--
Drilling machines, drilling augers	11	--	27.3	54.5	--	--	--	--	--	--
Road grading and surfacing machinery	28	--	--	67.9	--	--	--	--	--	--
Graders, levellers, planers, scrapers	15	--	--	66.7	--	--	--	--	--	--
Steam rollers, road pavers	11	--	--	72.7	--	--	--	--	--	--
Other construction, logging, and mining machinery	5	--	--	80.0	--	--	--	--	--	--
Heating, cooling, and cleaning machinery and appliances	11	--	--	27.3	--	--	--	--	--	--
Cooling and humidifying machinery and appliances	7	--	--	42.9	--	--	--	--	--	--
Air conditioning units	6	--	--	50.0	--	--	--	--	--	--
Heating and cooking machinery and appliances	4	--	--	--	--	--	--	--	--	--
Material handling machinery	104	9.6	9.6	32.7	23.1	12.5	6.7	--	--	3.8
Conveyors--gravity	4	--	--	--	--	--	--	--	--	--
Conveyors--roller	3	--	--	--	--	--	--	--	--	--
Conveyors--powered	18	--	16.7	--	50.0	--	16.7	--	--	--
Conveyors--powered, unspecified	6	--	--	--	66.7	--	--	--	--	--
Conveyors--belt	5	--	--	--	60.0	--	--	--	--	--
Conveyors--screw, auger	3	--	--	--	--	--	--	--	--	--
Conveyors--powered, n.e.c.	3	--	--	--	--	--	--	--	--	--
Cranes	28	--	--	46.4	14.3	17.9	--	--	--	--
Cranes, unspecified	14	--	--	57.1	--	21.4	--	--	--	--
Cranes--mobile, truck, rail mounted	6	--	--	--	--	--	--	--	--	--
Overhead hoists	6	--	83.3	--	--	--	--	--	--	--
Overhead hoists--electric powered	4	--	100.0	--	--	--	--	--	--	--
Elevators	38	13.2	--	52.6	10.5	15.8	--	--	--	--

See footnotes at end of table.

TABLE A-10. Fatal occupational injuries by primary and secondary source of injury by major private industry division, All United States, 2002 - continued

Primary source and secondary source	Total fatalities (number)	Private Industry <sup>1</sup> (percent)								
		Agriculture, forestry, and fishing	Mining <sup>2</sup>	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Elevators, unspecified	4	--	--	--	--	--	--	--	--	--
Bucket or basket hoist--truck mounted	20	15.0	--	55.0	--	25.0	--	--	--	--
Elevators--electric	3	--	--	--	--	--	--	--	--	--
Elevators--hydraulic	3	--	--	--	--	--	--	--	--	--
Manlifts	4	--	--	100.0	--	--	--	--	--	--
Elevators, n.e.c.	4	--	--	--	--	--	--	--	--	--
Jacks	4	--	--	--	--	--	--	--	--	--
Jacks--hydraulic	4	--	--	--	--	--	--	--	--	--
Other material handling machinery	3	--	--	--	--	--	--	--	--	--
Material handling machinery, n.e.c.	3	--	--	--	--	--	--	--	--	--
Metal, woodworking, and special material machinery	30	--	--	--	86.7	--	--	--	--	--
Bending, rolling, shaping machinery	3	--	--	--	100.0	--	--	--	--	--
Boring, drilling, planing, milling machinery	4	--	--	--	100.0	--	--	--	--	--
Extruding, injecting, forming, molding machinery	7	--	--	--	85.7	--	--	--	--	--
Plastic injection molding machinery	4	--	--	--	100.0	--	--	--	--	--
Lathes	4	--	--	--	100.0	--	--	--	--	--
Presses, except printing	4	--	--	--	75.0	--	--	--	--	--
Presses, except printing, n.e.c.	3	--	--	--	100.0	--	--	--	--	--
Special process machinery	27	--	14.8	--	63.0	--	--	--	--	--
Food and beverage processing machinery--specialized	6	--	--	--	83.3	--	--	--	--	--
Food and beverage processing machinery--specialized, n.e.c.	3	--	--	--	--	--	--	--	--	--
Packaging, bottling, wrapping machinery	3	--	--	--	100.0	--	--	--	--	--
Paper production machinery	4	--	--	--	100.0	--	--	--	--	--
Other special process machinery	10	--	40.0	--	30.0	--	--	--	--	--
Pumps	5	--	80.0	--	--	--	--	--	--	--
Special process machinery, n.e.c.	4	--	--	--	75.0	--	--	--	--	--
Miscellaneous machinery	24	--	--	20.8	--	16.7	--	--	--	25.0
Other machinery	23	--	--	21.7	--	17.4	--	--	--	21.7
Air compressors	4	--	--	--	--	--	--	--	--	--
Street sweeping and cleaning machinery	7	--	--	--	--	--	--	--	--	--
Trash compactors	5	--	--	--	--	--	--	--	--	--
Machinery, n.e.c.	7	--	--	42.9	--	--	--	--	--	--
<b>Parts and materials</b>	357	8.7	4.2	37.0	15.7	10.4	3.6	5.3	0.8	9.0
Building materials--solid elements	105	7.6	4.8	41.9	20.0	8.6	4.8	4.8	--	4.8
Bricks, blocks, structural stone	21	--	--	42.9	28.6	--	--	--	--	--
Concrete blocks, cinder blocks	7	--	--	--	57.1	--	--	--	--	--
Structural stones or slabs, n.e.c.	9	--	--	66.7	--	--	--	--	--	--
Pipes, ducts, tubing	29	13.8	13.8	37.9	--	13.8	--	--	--	--
Pipes, ducts, tubing, unspecified	7	--	--	--	--	--	--	--	--	--
Concrete or clay pipes and conduits	3	--	--	--	--	--	--	--	--	--
Metal pipe, tubing	16	25.0	--	31.3	--	18.8	--	--	--	--
Structural metal materials	40	--	--	52.5	22.5	--	--	--	--	7.5
Structural metal materials, unspecified	3	--	--	--	--	--	--	--	--	--
Bars, rods, reinforcing bar (rebar)	10	--	--	60.0	--	--	--	--	--	--
Beams	20	--	--	60.0	30.0	--	--	--	--	--
Plates, metal panels	3	--	--	--	--	--	--	--	--	--
Structural metal materials, n.e.c.	3	--	--	--	--	--	--	--	--	--
Wood, lumber	9	--	--	--	44.4	--	--	--	--	--
Wood, lumber, unspecified	4	--	--	--	--	--	--	--	--	--

See footnotes at end of table.

TABLE A-10. Fatal occupational injuries by primary and secondary source of injury by major private industry division, All United States, 2002 - continued

Primary source and secondary source	Total fatalities (number)	Private Industry <sup>1</sup> (percent)								
		Agriculture, forestry, and fishing	Mining <sup>2</sup>	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Plywood, wood paneling; particle, chip, flake board	3	--	--	--	--	--	--	--	--	--
Other building materials--solid elements	6	--	--	50.0	--	--	--	--	--	--
Fasteners, connectors, ropes, ties	62	11.3	4.8	9.7	9.7	11.3	4.8	12.9	--	21.0
Ropes, ties	57	10.5	--	8.8	10.5	12.3	5.3	12.3	--	22.8
Ropes, ties, unspecified	16	--	--	--	--	18.8	--	--	--	37.5
Chains, n.e.c.	6	--	--	--	--	--	--	--	--	--
Rope, twine, string	26	15.4	--	--	11.5	11.5	--	--	--	19.2
Wire--nonelectrical	4	--	--	--	--	--	--	--	--	--
Ropes, ties, n.e.c.	4	--	--	--	--	--	--	--	--	--
Hoisting accessories	4	--	--	--	75.0	--	--	--	--	--
Hoisting accessories, n.e.c.	3	--	--	--	--	--	--	--	--	--
Machine, tool, and electric parts	144	7.6	3.5	51.4	11.1	9.7	2.1	2.1	--	6.9
Electric parts	122	6.6	--	56.6	5.7	11.5	2.5	2.5	--	6.6
Electric parts, unspecified	5	--	--	60.0	--	--	--	--	--	--
Electrical wiring	59	--	--	67.8	6.8	--	--	--	--	8.5
Power lines, transformers, convertors	42	14.3	--	45.2	--	23.8	--	--	--	--
Switchboards, switches, fuses	8	--	--	50.0	--	--	--	--	--	--
Electric parts, n.e.c.	3	--	--	--	--	--	--	--	--	--
Machine and appliance parts	16	--	--	25.0	43.8	--	--	--	--	--
Dies, molds, patterns	3	--	--	--	100.0	--	--	--	--	--
Drums, pulleys, sheaves	3	--	--	--	--	--	--	--	--	--
Machine and appliance parts, n.e.c.	8	--	--	37.5	--	--	--	--	--	--
Tool parts, accessories	3	--	--	--	--	--	--	--	--	--
Metal materials--nonstructural	9	--	--	--	77.8	--	--	--	--	--
Molten or hot metals, slag	4	--	--	--	100.0	--	--	--	--	--
Metal materials--nonstructural, n.e.c.	3	--	--	--	--	--	--	--	--	--
Tars, sealants, caulking, insulating material	3	--	--	--	--	--	--	--	--	--
Vehicle and mobile equipment parts	29	17.2	--	20.7	10.3	17.2	--	10.3	--	10.3
Tires, inner tubes, wheels	13	23.1	--	--	--	30.8	--	--	--	--
Tires, except bike	4	--	--	--	--	--	--	--	--	--
Wheels, tire rims	8	--	--	--	--	37.5	--	--	--	--
Engine parts and accessories	6	--	--	--	--	--	--	--	--	--
Trailers	7	--	--	--	--	--	--	--	--	--
Vehicle and mobile equipment parts, n.e.c.	3	--	--	100.0	--	--	--	--	--	--
<b>Persons, plants, animals, and minerals</b>	<b>263</b>	<b>30.8</b>	<b>2.7</b>	<b>12.5</b>	<b>26.6</b>	<b>4.6</b>	<b>2.3</b>	<b>3.4</b>	<b>1.5</b>	<b>10.3</b>
Animals and animal products	40	75.0	--	--	--	--	--	--	--	10.0
Insects, arachnids (spiders, ticks, scorpions, etc.)	8	--	--	--	--	--	--	--	--	37.5
Mammals, except humans	31	90.3	--	--	--	--	--	--	--	--
Cattle	21	95.2	--	--	--	--	--	--	--	--
Horses	9	88.9	--	--	--	--	--	--	--	--
Food products--fresh or processed	27	18.5	--	14.8	--	14.8	11.1	11.1	--	14.8
Food products, unspecified	6	--	--	--	--	--	--	--	--	--
Grains, grain mill products	12	33.3	--	--	--	--	25.0	--	--	--
Other food products--fresh or processed	4	--	--	--	--	--	--	--	--	--
Nonmetallic minerals, except fuel	30	--	23.3	60.0	--	--	--	--	--	--
Dirt, earth	18	--	--	77.8	--	--	--	--	--	--
Rocks, crushed stone	5	--	80.0	--	--	--	--	--	--	--
Person--injured or ill worker	3	--	--	--	--	--	--	--	--	--
Person--other than injured or ill worker	37	--	--	8.1	--	10.8	--	13.5	8.1	35.1
Person--other than injured or ill worker, unspecified	5	--	--	--	--	--	--	--	--	--

See footnotes at end of table.

TABLE A-10. Fatal occupational injuries by primary and secondary source of injury by major private industry division, All United States, 2002 - continued

Primary source and secondary source	Total fatalities (number)	Private Industry <sup>1</sup> (percent)								
		Agriculture, forestry, and fishing	Mining <sup>2</sup>	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Co-worker, former co-worker of injured or ill worker	7	--	--	--	--	--	--	--	--	42.9
Health care patient or resident of health care facility	4	--	--	--	--	--	--	--	--	--
Robber	5	--	--	--	--	--	--	60.0	--	--
Person--other than injured or ill worker, n.e.c.	13	--	--	--	--	--	--	--	--	46.2
Plants, trees, vegetation--not processed	125	34.4	--	6.4	50.4	--	--	--	--	3.2
Trees, logs	122	34.4	--	6.6	51.6	--	--	--	--	3.3
<b>Chemicals and chemical products</b>	125	7.2	2.4	18.4	11.2	14.4	3.2	7.2	--	28.0
Acids	3	--	--	--	--	--	--	--	--	--
Aromatics and hydrocarbon derivatives, except halogenated	3	--	--	--	--	--	--	--	--	100.0
Halogens and halogen compounds	5	--	--	--	--	--	--	--	--	--
Chlorine and chlorine compounds	3	--	--	--	--	--	--	--	--	--
Chemical products--general	52	--	--	21.2	5.8	17.3	--	9.6	--	28.8
Drugs, alcohol, medicines	45	--	--	22.2	--	17.8	--	11.1	--	28.9
Drugs--nonmedicinal	29	--	--	27.6	--	17.2	--	10.3	--	27.6
Medicines	6	--	--	--	--	--	--	--	--	--
Multiple drugs, medicines	8	--	--	--	--	--	--	--	--	--
Coal, natural gas, petroleum fuels and products, n.e.c.	12	--	--	--	--	--	--	--	--	41.7
Coal and coal products	3	--	--	--	--	--	--	--	--	--
Petroleum fuels, distillates, products, n.e.c.	7	--	--	--	--	--	--	--	--	42.9
Other chemicals	45	15.6	--	22.2	13.3	11.1	--	6.7	--	22.2
Oxygen and oxygen compounds, n.e.c.	28	17.9	--	17.9	14.3	--	--	--	--	25.0
Carbon monoxide	21	19.0	--	23.8	--	--	--	--	--	23.8
Nitrogen oxides	6	--	--	--	--	--	--	--	--	--
Sewer gas, mine gas, methane	5	--	--	--	--	--	--	--	--	--
Sulfur and sulfur compounds	7	--	--	--	--	--	--	--	--	--
Hydrogen sulfide	7	--	--	--	--	--	--	--	--	--
Multiple chemicals or chemical mixtures, n.e.c.	4	--	--	--	--	--	--	--	--	--
<b>Tools, instruments, and equipment</b>	145	13.8	--	22.8	6.9	4.1	2.1	23.4	--	17.9
Tools, instruments, and equipment, unspecified	4	--	--	--	--	--	--	--	--	--
Handtools--nonpowered	80	8.8	--	8.8	6.3	6.3	--	36.3	--	22.5
Cutting handtools--nonpowered	60	6.7	--	--	--	8.3	--	43.3	--	23.3
Cutting handtools--nonpowered, unspecified	7	--	--	--	--	--	--	71.4	--	--
Knives	50	6.0	--	--	--	8.0	--	42.0	--	28.0
Striking and nailing handtools--nonpowered	4	--	--	--	--	--	--	--	--	--
Turning handtools--nonpowered	5	--	--	60.0	--	--	--	--	--	--
Wrenches	4	--	--	--	--	--	--	--	--	--
Other handtools--nonpowered	4	--	--	--	--	--	--	--	--	--
Handtools--powered	21	42.9	--	38.1	--	--	--	--	--	--
Cutting handtools--powered	12	58.3	--	25.0	--	--	--	--	--	--
Chainsaws--powered	8	75.0	--	--	--	--	--	--	--	--
Saws--powered, except chainsaws	4	--	--	--	--	--	--	--	--	--
Welding and heating handtools--powered	5	--	--	--	--	--	--	--	--	--
Welding torches--powered	4	--	--	--	--	--	--	--	--	--
Handtools--power not determined	4	--	--	--	--	--	--	--	--	--
Ladders	22	--	--	81.8	--	--	--	--	--	--
Ladders--movable	19	--	--	78.9	--	--	--	--	--	--
Movable ladders, unspecified	3	--	--	100.0	--	--	--	--	--	--
Extension ladders	13	--	--	76.9	--	--	--	--	--	--
Recreation and athletic equipment	6	--	--	--	--	--	--	50.0	--	--
Gymnasium and exercise equipment	3	--	--	--	--	--	--	--	--	--

See footnotes at end of table.

TABLE A-10. Fatal occupational injuries by primary and secondary source of injury by major private industry division, All United States, 2002 - continued

Primary source and secondary source	Total fatalities (number)	Private Industry <sup>1</sup> (percent)								
		Agriculture, forestry, and fishing	Mining <sup>2</sup>	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Recreation and athletic equipment, n.e.c.	3	--	--	--	--	--	--	--	--	--
Other tools, instruments, and equipment	6	--	--	--	--	--	--	--	--	--
Firearms	3	--	--	--	--	--	--	--	--	--
<b>Containers</b>	74	17.6	--	10.8	24.3	18.9	8.1	4.1	--	12.2
Containers--nonpressurized	33	9.1	--	12.1	27.3	24.2	--	--	--	15.2
Bags, sacks, totes	5	--	--	--	--	--	--	--	--	--
Barrels, kegs, drums	3	--	--	--	--	--	--	--	--	--
Boxes, crates, cartons	7	--	--	--	--	--	--	--	--	--
Tanks, bins, vats	15	--	--	--	33.3	20.0	--	--	--	20.0
Containers--pressurized	16	--	--	25.0	--	--	--	--	--	25.0
Hoses	4	--	--	--	--	--	--	--	--	--
Containers--pressurized, n.e.c.	9	--	--	--	--	--	--	--	--	--
Containers--variable restraint	24	37.5	--	--	25.0	20.8	12.5	--	--	--
Bundles, bales	17	52.9	--	--	--	17.6	17.6	--	--	--
Reels, rolls	7	--	--	--	71.4	--	--	--	--	--
<b>Furniture and fixtures</b>	15	--	--	40.0	--	--	--	--	--	--
Cases, cabinets, racks, shelves	4	--	--	--	--	--	--	--	--	--
Other fixtures	10	--	--	60.0	--	--	--	--	--	--
Lighting equipment	9	--	--	66.7	--	--	--	--	--	--
Lighting equipment, n.e.c.	8	--	--	62.5	--	--	--	--	--	--
<b>Other sources</b>	842	7.6	1.4	8.4	7.0	8.4	2.9	27.6	3.4	17.9
Ammunition	582	3.8	--	3.1	4.5	7.9	3.6	37.8	4.5	18.2
Bullets	564	3.7	--	3.2	3.7	8.0	3.5	38.7	4.6	18.4
Pellets	11	--	--	--	45.5	--	--	--	--	--
Apparel and textiles	4	--	--	--	--	--	--	--	--	--
Clothing and shoes	4	--	--	--	--	--	--	--	--	--
Belts, gloves, neckties, scarves	3	--	--	--	--	--	--	--	--	--
Atmospheric and environmental conditions	150	20.0	7.3	23.3	16.0	9.3	--	2.7	--	5.3
Fire, flame, smoke	80	12.5	7.5	16.3	20.0	10.0	--	3.8	--	5.0
Fire, flame, smoke, unspecified	6	--	--	--	--	--	--	--	--	--
Fire, flame	55	10.9	10.9	20.0	20.0	12.7	--	--	--	5.5
Smoke, fire gases	19	--	--	--	21.1	--	--	--	--	--
Temperature extremes--environmental	45	26.7	--	35.6	6.7	11.1	--	--	--	--
Cold--environmental	5	--	--	--	--	--	--	--	--	--
Heat--environmental	40	25.0	--	40.0	7.5	10.0	--	--	--	--
Weather and atmospheric conditions	16	50.0	--	25.0	--	--	--	--	--	--
Lightning	16	50.0	--	25.0	--	--	--	--	--	--
Other environmental conditions	9	--	33.3	--	44.4	--	--	--	--	--
Environmental conditions, n.e.c.	9	--	33.3	--	44.4	--	--	--	--	--
Scrap, waste, debris	5	--	--	--	--	--	--	--	--	--
Chips, particles, splinters	3	--	--	--	--	--	--	--	--	--
Steam, vapors, liquids, n.e.c.	75	16.0	--	14.7	6.7	12.0	--	--	--	36.0
Steam, vapors--nonchemical	6	--	--	--	--	--	--	--	--	--
Liquids	68	17.6	--	13.2	4.4	11.8	--	--	--	38.2
Water	66	18.2	--	13.6	--	12.1	--	--	--	39.4
Other sources, n.e.c.	5	--	--	--	--	--	--	--	--	--
Nonclassifiable	21	--	--	23.8	--	--	--	28.6	--	28.6
<b>Secondary source<sup>4</sup></b>										

See footnotes at end of table.

TABLE A-10. Fatal occupational injuries by primary and secondary source of injury by major private industry division, All United States, 2002 - continued

Primary source and secondary source	Total fatalities (number)	Private Industry <sup>1</sup> (percent)								
		Agriculture, forestry, and fishing	Mining <sup>2</sup>	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
<b>Vehicles</b>	926	12.0	1.4	11.3	7.9	28.6	6.3	7.2	1.3	12.2
Air vehicle	9	--	--	--	--	--	--	--	--	--
Aircraft--powered fixed wing	9	--	--	--	--	--	--	--	--	--
Jet	5	--	--	--	--	--	--	--	--	--
Propeller-driven aircraft	4	--	--	--	--	--	--	--	--	--
Highway vehicle, motorized	771	9.7	1.4	11.0	7.0	28.9	6.7	7.8	1.6	13.1
Highway vehicle, unspecified	38	10.5	--	7.9	--	36.8	10.5	--	--	18.4
Automobile	156	8.3	--	13.5	5.1	20.5	5.8	9.0	1.9	17.9
Bus	7	--	--	--	--	--	--	--	--	--
Motor home, recreational vehicle	3	--	--	--	--	--	--	--	--	--
Truck	523	10.5	2.1	10.9	8.4	31.2	6.1	7.8	1.3	11.3
Truck, unspecified	37	13.5	--	--	10.8	21.6	10.8	8.1	--	13.5
Delivery truck	9	--	--	--	--	--	--	--	--	--
Dump truck	28	21.4	--	21.4	--	--	--	--	--	17.9
Pickup truck	93	14.0	3.2	8.6	11.8	15.1	--	7.5	--	20.4
Semitrailer, tractor trailer, trailer truck	292	7.2	1.0	11.3	7.9	43.2	5.5	8.6	1.7	6.2
Truck, n.e.c.	64	14.1	--	14.1	4.7	18.8	6.3	7.8	--	15.6
Van--passenger or light delivery	39	--	--	10.3	--	23.1	10.3	--	--	12.8
Highway vehicle, motorized, n.e.c.	4	--	--	--	--	--	--	--	--	--
Plant and industrial powered vehicles, tractors	71	36.6	--	18.3	21.1	9.9	4.2	--	--	5.6
Forklift	43	--	--	25.6	32.6	16.3	7.0	--	--	9.3
Forklift, unspecified	32	--	--	28.1	28.1	21.9	--	--	--	9.4
Platform lift truck--high or low lift	3	--	--	--	--	--	--	--	--	--
Tractor	25	96.0	--	--	--	--	--	--	--	--
Plant and industrial vehicle--nonpowered	5	--	--	--	--	--	--	--	--	--
Cart, dolly, handtruck	4	--	--	--	--	--	--	--	--	--
Rail vehicle	54	13.0	--	9.3	5.6	42.6	--	7.4	--	7.4
Train	51	13.7	--	9.8	5.9	43.1	--	7.8	--	--
Water vehicle	11	--	--	--	--	72.7	--	--	--	--
Ships--other than sail powered	5	--	--	--	--	--	--	--	--	--
<b>Structures and surfaces</b>	801	6.6	2.0	37.6	7.1	20.6	2.2	3.6	0.6	10.9
Floors, walkways, ground surfaces	239	11.7	--	24.3	7.1	21.8	2.1	4.2	1.7	13.4
Floors, walkways, ground surfaces, unspecified	10	--	--	30.0	--	--	--	--	--	--
Floors	25	--	--	76.0	12.0	--	--	--	--	--
Floor of building	18	--	--	72.2	--	--	--	--	--	--
Floor of scaffold, staging, or temporary work platform	4	--	--	100.0	--	--	--	--	--	--
Ground	116	11.2	--	12.9	5.2	27.6	--	4.3	--	17.2
Stairs, steps	15	--	--	33.3	--	--	--	--	--	26.7
Stairs, steps, unspecified	3	--	--	--	--	--	--	--	--	--
Stairs, steps--indoors	9	--	--	44.4	--	--	--	--	--	33.3
Stairs, steps--outdoors	3	--	--	--	--	--	--	--	--	--
Street, road	16	25.0	--	25.0	--	18.8	--	--	--	--
Surfaces below ground level, n.e.c.	27	22.2	--	29.6	--	22.2	--	--	--	--
Ditches, channels, trenches, excavations	24	20.8	--	29.2	--	20.8	--	--	--	--
Surfaces below ground level, n.e.c.	3	--	--	--	--	--	--	--	--	--
Parking lots	7	--	--	--	--	--	--	--	--	--
Other floors, walkways, ground surfaces	23	13.0	--	17.4	13.0	26.1	--	--	--	13.0
Piers, wharfs	5	--	--	60.0	--	--	--	--	--	--
Ramps, runways, loading docks	12	--	--	--	25.0	41.7	--	--	--	--

See footnotes at end of table.



TABLE A-10. Fatal occupational injuries by primary and secondary source of injury by major private industry division, All United States, 2002 - continued

Primary source and secondary source	Total fatalities (number)	Private Industry <sup>1</sup> (percent)								
		Agriculture, forestry, and fishing	Mining <sup>2</sup>	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Floors, walkways, ground surfaces, n.e.c.	6	--	--	--	--	--	--	--	--	--
Other structural elements	205	4.9	1.5	66.3	8.3	4.4	1.5	2.4	--	8.3
Other structural elements, unspecified	3	--	--	--	--	--	--	--	--	--
Doors	6	--	--	--	--	--	--	--	--	--
Fences, fence panels	10	--	--	--	--	--	--	--	--	--
Gates	3	--	--	--	--	--	--	--	--	--
Roof	107	2.8	--	84.1	3.7	--	--	--	--	5.6
Roof trusses	5	--	--	100.0	--	--	--	--	--	--
Skylights	19	--	--	78.9	21.1	--	--	--	--	--
Walls	31	9.7	--	29.0	9.7	12.9	--	--	--	22.6
Structural elements, n.e.c.	19	--	--	68.4	--	--	--	--	--	--
Structures	346	3.5	3.8	30.9	6.6	29.5	2.0	3.8	--	10.7
Bridges, dams, locks	40	--	--	15.0	--	52.5	--	7.5	--	7.5
Buildings--office, plant, residential	30	--	--	20.0	10.0	16.7	--	--	--	20.0
Mines, caves, tunnels	5	--	--	--	--	--	--	--	--	--
Pools	5	60.0	--	--	--	--	--	--	--	--
Scaffolds, staging	82	--	3.7	74.4	9.8	--	--	--	--	9.8
Scaffolds--staging, unspecified	51	--	--	84.3	5.9	--	--	--	--	7.8
Scaffolds--selfsupporting staging	6	--	--	83.3	--	--	--	--	--	--
Scaffolds--staging supported by structure or other means	7	--	42.9	--	--	--	--	--	--	--
Scaffolds--suspended staging	11	--	--	72.7	--	--	--	--	--	--
Scaffolds--staging, n.e.c.	5	--	--	--	60.0	--	--	--	--	--
Towers, poles	74	5.4	5.4	28.4	5.4	24.3	--	6.8	--	10.8
Other structures	108	--	3.7	10.2	5.6	51.9	3.7	4.6	--	8.3
Guardrails, road dividers	87	--	3.4	5.7	4.6	59.8	--	5.7	--	6.9
Structures, n.e.c.	19	--	--	31.6	--	21.1	--	--	--	15.8
Structures and surfaces, n.e.c.	9	--	--	--	--	--	33.3	--	--	--
<b>Machinery</b>	229	13.5	4.8	29.3	22.7	7.4	1.7	2.2	--	13.5
Agricultural and garden machinery	16	93.8	--	--	--	--	--	--	--	--
Harvesting and threshing machinery	4	100.0	--	--	--	--	--	--	--	--
Mowing machinery	7	100.0	--	--	--	--	--	--	--	--
Mowers--tractor	3	100.0	--	--	--	--	--	--	--	--
Other agricultural and garden machinery	3	--	--	--	--	--	--	--	--	--
Construction, logging, and mining machinery	39	23.1	--	33.3	17.9	7.7	--	--	--	--
Excavating machinery	15	--	--	46.7	--	--	--	--	--	--
Backhoes	6	--	--	50.0	--	--	--	--	--	--
Bulldozers	6	--	--	--	--	--	--	--	--	--
Loaders	10	40.0	--	--	--	--	--	--	--	--
Front end loaders	7	57.1	--	--	--	--	--	--	--	--
Logging and wood processing machinery--specialized	5	--	--	--	60.0	--	--	--	--	--
Mining and drilling machinery	3	--	--	--	--	--	--	--	--	--
Drilling machines, drilling augers	3	--	--	--	--	--	--	--	--	--
Road grading and surfacing machinery	4	--	--	--	--	--	--	--	--	--
Graders, levellers, planers, scrapers	3	--	--	--	--	--	--	--	--	--
Heating, cooling, and cleaning machinery and appliances	11	--	--	--	--	--	--	--	--	45.5
Cooling and humidifying machinery and appliances	3	--	--	--	--	--	--	--	--	--
Heating and cooking machinery and appliances	6	--	--	--	--	--	--	--	--	--
Material handling machinery	127	4.7	6.3	38.6	19.7	7.9	--	2.4	--	16.5
Conveyors--powered	8	--	--	--	50.0	--	--	--	--	--

See footnotes at end of table.

TABLE A-10. Fatal occupational injuries by primary and secondary source of injury by major private industry division, All United States, 2002 - continued

Primary source and secondary source	Total fatalities (number)	Private Industry <sup>1</sup> (percent)								
		Agriculture, forestry, and fishing	Mining <sup>2</sup>	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Conveyors--belt	3	--	--	--	--	--	--	--	--	--
Cranes	47	--	--	48.9	31.9	6.4	--	--	--	6.4
Cranes, unspecified	22	--	--	50.0	27.3	13.6	--	--	--	--
Cranes--mobile, truck, rail mounted	7	--	--	71.4	--	--	--	--	--	--
Cranes--overhead	10	--	--	30.0	60.0	--	--	--	--	--
Cranes--portal, tower, pillar	3	--	--	--	--	--	--	--	--	--
Cranes, n.e.c.	5	--	--	--	--	--	--	--	--	--
Overhead hoists	12	--	--	58.3	--	--	--	--	--	--
Overhead hoists, unspecified	4	--	--	100.0	--	--	--	--	--	--
Overhead hoists--manual	4	--	--	--	--	--	--	--	--	--
Derricks	3	--	100.0	--	--	--	--	--	--	--
Derricks, unspecified	3	--	100.0	--	--	--	--	--	--	--
Elevators	30	13.3	--	50.0	10.0	--	--	--	--	20.0
Bucket or basket hoist--truck mounted	16	25.0	--	62.5	--	--	--	--	--	--
Manlifts	11	--	--	45.5	--	--	--	--	--	36.4
Jacks	23	--	--	--	--	17.4	--	--	--	47.8
Jacks, unspecified	18	--	--	--	--	22.2	--	--	--	55.6
Jacks--hydraulic	4	--	--	--	--	--	--	--	--	--
Metal, woodworking, and special material machinery	16	--	--	--	75.0	--	--	--	--	--
Extruding, injecting, forming, molding machinery	4	--	--	--	100.0	--	--	--	--	--
Forging machinery	3	--	--	--	100.0	--	--	--	--	--
Other metal, woodworking, and special material machinery	4	--	--	--	--	--	--	--	--	--
Spot welding machinery	3	--	--	--	--	--	--	--	--	--
Special process machinery	7	--	--	--	42.9	--	--	--	--	--
Other special process machinery	3	--	--	--	--	--	--	--	--	--
Miscellaneous machinery	11	--	--	--	--	--	--	--	--	--
Other machinery	9	--	--	--	--	--	--	--	--	--
Machinery, n.e.c.	5	--	--	--	--	--	--	--	--	--
<b>Parts and materials</b>	<b>260</b>	<b>16.9</b>	<b>3.1</b>	<b>39.2</b>	<b>12.7</b>	<b>12.3</b>	<b>3.1</b>	<b>1.9</b>	<b>--</b>	<b>5.4</b>
Building materials--solid elements	51	5.9	--	54.9	13.7	11.8	--	--	--	--
Bricks, blocks, structural stone	7	--	--	57.1	--	--	--	--	--	--
Concrete blocks, cinder blocks	7	--	--	57.1	--	--	--	--	--	--
Pipes, ducts, tubing	14	--	--	28.6	--	28.6	--	--	--	--
Pipes, ducts, tubing, unspecified	5	--	--	--	--	--	--	--	--	--
Metal pipe, tubing	6	--	--	--	--	--	--	--	--	--
Pipes, ducts, tubing, n.e.c.	3	--	--	--	--	--	--	--	--	--
Structural metal materials	23	--	--	60.9	21.7	--	--	--	--	--
Beams	13	--	--	61.5	23.1	--	--	--	--	--
Rails	3	--	--	--	--	--	--	--	--	--
Wood, lumber	6	--	--	83.3	--	--	--	--	--	--
Dimensional lumber: 2x4, 2x3, etc.	5	--	--	80.0	--	--	--	--	--	--
Fasteners, connectors, ropes, ties	15	26.7	--	20.0	20.0	--	--	--	--	--
Ropes, ties	12	25.0	--	--	--	--	--	--	--	--
Chains, n.e.c.	4	--	--	--	--	--	--	--	--	--
Rope, twine, string	3	--	--	--	--	--	--	--	--	--
Wire--nonelectrical	4	--	--	--	--	--	--	--	--	--
Machine, tool, and electric parts	161	18.6	5.0	41.6	9.9	11.8	1.9	--	--	6.2
Electric parts	147	17.7	4.8	44.2	7.5	11.6	2.0	--	--	6.8
Electrical wiring	26	--	--	50.0	15.4	--	--	--	--	15.4
Power lines, transformers, convertors	111	21.6	4.5	45.0	4.5	13.5	--	--	--	5.4

See footnotes at end of table.

TABLE A-10. Fatal occupational injuries by primary and secondary source of injury by major private industry division, All United States, 2002 - continued

Primary source and secondary source	Total fatalities (number)	Private Industry <sup>1</sup> (percent)								
		Agriculture, forestry, and fishing	Mining <sup>2</sup>	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Switchboards, switches, fuses	3	--	--	--	--	--	--	--	--	--
Electric parts, n.e.c.	6	--	--	--	--	--	--	--	--	--
Machine and appliance parts	13	30.8	--	--	30.8	--	--	--	--	--
Drums, pulleys, sheaves	9	44.4	--	--	33.3	--	--	--	--	--
Metal materials--nonstructural	3	--	--	--	--	--	--	--	--	--
Vehicle and mobile equipment parts	28	25.0	--	--	17.9	17.9	--	10.7	--	--
Tires, inner tubes, wheels	8	37.5	--	--	--	--	--	--	--	--
Tires, except bike	5	60.0	--	--	--	--	--	--	--	--
Trailers	16	25.0	--	--	--	25.0	--	--	--	--
Vehicle and mobile equipment parts, n.e.c.	3	--	--	--	--	--	--	--	--	--
<b>Persons, plants, animals, and minerals</b>	<b>854</b>	<b>10.7</b>	<b>--</b>	<b>4.6</b>	<b>7.0</b>	<b>10.5</b>	<b>3.2</b>	<b>32.3</b>	<b>3.3</b>	<b>15.5</b>
Animals and animal products	42	47.6	--	7.1	--	14.3	--	--	--	--
Mammals, except humans	33	48.5	--	--	--	12.1	--	--	--	--
Cattle	8	37.5	--	--	--	37.5	--	--	--	--
Horses	15	73.3	--	--	--	--	--	--	--	--
Mammals, n.e.c.	8	--	--	--	--	--	--	--	--	--
Animal waste products, including manure	4	--	--	--	--	--	--	--	--	--
Food products--fresh or processed	4	--	--	--	75.0	--	--	--	--	--
Nonmetallic minerals, except fuel	24	20.8	--	16.7	12.5	--	--	--	--	--
Boulders	5	--	--	--	--	--	--	--	--	--
Dirt, earth	8	--	--	--	--	--	--	--	--	--
Rocks, crushed stone	9	33.3	--	--	--	--	--	--	--	--
Person--injured or ill worker	11	--	--	--	--	--	--	--	--	27.3
Person--injured or ill worker, n.e.c.	7	--	--	--	--	--	--	--	--	--
Person--other than injured or ill worker	585	2.4	--	2.7	4.1	7.7	2.9	44.3	4.3	17.9
Person--other than injured or ill worker, unspecified	81	--	--	4.9	8.6	9.9	4.9	35.8	--	25.9
Co-worker, former co-worker of injured or ill worker	64	12.5	--	4.7	15.6	--	--	28.1	--	21.9
Health care patient or resident of health care facility	4	--	--	--	--	--	--	--	--	--
Relative of injured or ill worker	25	--	--	--	--	--	--	32.0	--	28.0
Robber	237	--	--	1.3	--	8.4	2.5	66.2	5.5	10.1
Student	6	--	--	--	--	--	--	--	--	--
Person--other than injured or ill worker, n.e.c.	168	--	--	3.0	2.4	7.7	3.0	28.0	3.6	20.8
Plants, trees, vegetation--not processed	188	27.1	--	8.5	14.9	18.1	4.3	5.9	--	11.2
Shrubs, grasses	4	--	--	--	--	--	--	--	--	--
Trees, logs	182	25.8	--	8.8	15.4	18.7	4.4	6.0	--	11.0
<b>Chemicals and chemical products</b>	<b>55</b>	<b>7.3</b>	<b>12.7</b>	<b>29.1</b>	<b>12.7</b>	<b>9.1</b>	<b>7.3</b>	<b>--</b>	<b>--</b>	<b>14.5</b>
Chemical products--general	9	--	--	77.8	--	--	--	--	--	--
Explosives, blasting agents, n.e.c.	3	--	--	--	--	--	--	--	--	--
Solvents, degreasers, n.e.c.	5	--	--	100.0	--	--	--	--	--	--
Paint removers, thinners	5	--	--	100.0	--	--	--	--	--	--
Coal, natural gas, petroleum fuels and products, n.e.c.	25	12.0	20.0	--	12.0	20.0	--	--	--	20.0
Petroleum fuels, distillates, products, n.e.c.	19	15.8	--	--	15.8	15.8	--	--	--	26.3
Petroleum fuels, distillates, products, unspecified	3	--	--	--	--	--	--	--	--	--
Gasoline, diesel fuel, jet fuel	10	--	--	--	--	--	--	--	--	30.0
Propane	3	--	--	--	--	--	--	--	--	--
Other chemicals	15	--	--	40.0	--	--	--	--	--	--
Oxygen and oxygen compounds, n.e.c.	5	--	--	--	--	--	--	--	--	--
Nitrogen oxides	3	--	--	--	--	--	--	--	--	--
<b>Tools, instruments, and equipment</b>	<b>223</b>	<b>9.4</b>	<b>3.6</b>	<b>37.2</b>	<b>9.4</b>	<b>3.1</b>	<b>3.6</b>	<b>4.5</b>	<b>2.7</b>	<b>18.8</b>
Handtools--nonpowered	6	--	--	--	--	--	--	--	--	--

See footnotes at end of table.

TABLE A-10. Fatal occupational injuries by primary and secondary source of injury by major private industry division, All United States, 2002 - continued

Primary source and secondary source	Total fatalities (number)	Private Industry <sup>1</sup> (percent)								
		Agriculture, forestry, and fishing	Mining <sup>2</sup>	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Handtools--powered	27	14.8	--	18.5	37.0	--	--	--	--	14.8
Cutting handtools--powered	13	23.1	--	--	53.8	--	--	--	--	--
Chainsaws--powered	10	30.0	--	--	60.0	--	--	--	--	--
Welding and heating handtools--powered	5	--	--	--	--	--	--	--	--	60.0
Welding torches--powered	3	--	--	--	--	--	--	--	--	--
Other handtools--powered	5	--	--	60.0	--	--	--	--	--	--
Ladders	130	8.5	--	56.2	3.8	3.8	--	3.8	3.1	11.5
Ladders, unspecified	53	7.5	--	58.5	--	--	--	--	--	11.3
Ladders--fixed	6	--	--	--	--	--	--	--	--	--
Ladders--movable	70	10.0	--	57.1	5.7	5.7	--	--	--	10.0
Movable ladders, unspecified	25	20.0	--	48.0	--	--	--	--	--	--
Extension ladders	25	--	--	68.0	--	--	--	--	--	12.0
Step ladders	11	--	--	54.5	--	--	--	--	--	--
Straight ladders	8	--	--	62.5	--	--	--	--	--	--
Protective equipment, except clothing	8	--	--	--	--	--	--	--	--	50.0
Lifelines, lanyards, safety belts or harnesses	4	--	--	--	--	--	--	--	--	75.0
Recreation and athletic equipment	6	--	--	--	--	--	--	--	--	50.0
Recreation and athletic equipment, n.e.c.	3	--	--	--	--	--	--	--	--	--
Other tools, instruments, and equipment	45	11.1	--	6.7	11.1	--	11.1	--	--	33.3
Firearms	44	11.4	--	6.8	11.4	--	11.4	--	--	34.1
Firearm, unspecified	4	--	--	--	--	--	--	--	--	--
Pistol, handgun, revolver	27	--	--	--	14.8	--	--	--	--	48.1
Rifle	5	60.0	--	--	--	--	--	--	--	--
Shotgun	6	--	--	--	--	--	--	--	--	--
Containers	82	19.5	6.1	12.2	25.6	11.0	11.0	3.7	--	4.9
Containers--nonpressurized	51	17.6	7.8	--	27.5	11.8	9.8	--	--	7.8
Boxes, crates, cartons	3	--	--	--	--	--	--	--	--	--
Tanks, bins, vats	44	20.5	9.1	--	31.8	9.1	9.1	--	--	6.8
Containers--pressurized	18	--	--	33.3	38.9	--	--	--	--	--
Hoses	4	--	--	--	--	--	--	--	--	--
Pressure lines, except hoses	9	--	--	44.4	--	--	--	--	--	--
Containers--variable restraint	9	77.8	--	--	--	--	--	--	--	--
Bundles, bales	8	87.5	--	--	--	--	--	--	--	--
Skids, pallets	3	--	--	--	--	--	--	--	--	--
Furniture and fixtures	15	--	--	--	40.0	--	--	--	--	20.0
Cases, cabinets, racks, shelves	4	--	--	--	75.0	--	--	--	--	--
Cases, cabinets, racks, shelves, n.e.c.	3	--	--	--	100.0	--	--	--	--	--
Floor, wall, window coverings	3	--	--	--	--	--	--	--	--	--
Floor coverings, nonstructural	3	--	--	--	--	--	--	--	--	--
Furniture	7	--	--	--	42.9	--	--	--	--	--
Chairs	4	--	--	--	--	--	--	--	--	--
Tables, worktables	3	--	--	--	100.0	--	--	--	--	--
Other sources	223	29.6	--	13.5	9.4	17.0	1.8	1.8	1.3	12.6
Apparel and textiles	26	42.3	--	15.4	30.8	--	--	--	--	--
Clothing and shoes	25	44.0	--	16.0	28.0	--	--	--	--	--
Clothing, unspecified	11	45.5	--	--	36.4	--	--	--	--	--
Blouses, shirts, dresses, trousers, skirts	8	62.5	--	--	--	--	--	--	--	--
Suits, coats, jackets	3	--	--	--	--	--	--	--	--	--
Atmospheric and environmental conditions	78	7.7	--	19.2	5.1	26.9	--	--	--	19.2
Fire, flame, smoke	22	--	--	--	--	31.8	--	--	--	--
Fire, flame	16	--	--	--	--	25.0	--	--	--	--
Smoke, fire gases	5	--	--	--	--	--	--	--	--	--
Weather and atmospheric conditions	52	--	--	23.1	--	26.9	--	--	--	21.2
High winds, gusts	9	--	--	33.3	--	--	--	--	--	33.3
Ice, sleet, snow	20	--	--	20.0	--	35.0	--	--	--	--
Rain	6	--	--	--	--	--	--	--	--	--

Weather and atmospheric conditions, n.e.c.	14	--	--	--	--	--	--	--	--	35.7
Scrap, waste, debris	5	--	--	60.0	--	--	--	--	--	--
Steam, vapors, liquids, n.e.c.	111	43.2	--	6.3	6.3	14.4	--	--	--	10.8
Liquids	110	43.6	--	6.4	6.4	14.5	--	--	--	10.9
Water	109	44.0	--	6.4	6.4	14.7	--	--	--	11.0

<sup>1</sup> Classified according to the *Standard Industrial Classification Manual, 1987*

<sup>2</sup> Includes 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.

<sup>3</sup> The primary source identifies the object, substance, or exposure that directly produced or inflicted the injury. For transportation incidents, the source identifies the vehicle in which the deceased was an occupant.

<sup>4</sup> The secondary source of injury, if any, identifies the object, substance, or person that generated the source of injury or that contributed to the event

or exposure. For vehicle collisions, the deceased's vehicle is the primary source and the other object (truck, road, divider, etc.) is the secondary source. For most homicides, the "bullet" is the primary source and the "perpetrator" is the secondary source.

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