

Table 11. Fatal occupational injuries by primary and secondary source of injury, 1995

Source of injury ¹	Fatalities			
	Primary source ²		Secondary source ³	
	Number	Percent	Number	Percent
Total	6,210	100.0	6,210	100.0
Vehicles	2,576	41.5	903	14.5
Air vehicle	279	4.5	11	.2
Aircraft--powered fixed wing	183	2.9	9	.1
Jet	30	.5	—	—
Propeller-driven aircraft	79	1.3	5	.1
Aircraft--powered rotary wing	54	.9	—	—
Highway vehicle, motorized	1,770	28.5	746	12.0
Automobile	493	7.9	177	2.9
Bus	18	.3	—	—
Truck	1,030	16.6	440	7.1
Delivery truck	38	.6	7	.1
Dump truck	88	1.4	24	.4
Pickup truck	185	3.0	71	1.1
Semitrailer, tractor trailer, trailer truck	440	7.1	207	3.3
Van--passenger or light delivery	88	1.4	25	.4
Highway vehicle, nonmotorized	8	.1	—	—
Animal or human powered vehicle	8	.1	—	—
Bicycle	4	.1	—	—
Offroad vehicle, nonindustrial	17	.3	—	—
All terrain vehicle (ATV)	8	.1	—	—
Golf cart, powered	5	.1	—	—
Plant and industrial powered vehicles, tractors	342	5.5	48	.8
Forklift	70	1.1	24	.4
Pallet lift truck--motorized	4	.1	—	—
Platform lift truck--high or low lift	5	.1	—	—
Powered industrial carrier, except forklift	4	.1	—	—
Tractor	263	4.2	22	.4
Rail vehicle	49	.8	77	1.2
Water vehicle	88	1.4	8	.1
Barge	9	.1	4	.1
Ships--other than sail powered	10	.2	—	—
Tugboat, commercial fishing boat	44	.7	—	—
Structures and surfaces	697	11.2	629	10.1
Floors, walkways, ground surfaces	605	9.7	153	2.5
Floors	191	3.1	24	.4
Ground	236	3.8	53	.9
Sidewalks, paths, outdoor walkways	21	.3	—	—
Street, road	8	.1	14	.2
Surfaces below ground level, n.e.c.	22	.4	27	.4
Ditches, channels, trenches, excavations	20	.3	24	.4
Parking lots	12	.2	—	—
Other structural elements	50	.8	168	2.7
Doors	7	.1	6	.1
Fences, fence panels	—	—	9	.1
Roof	8	.1	97	1.6
Walls	27	.4	16	.3
Windows	—	—	6	.1
Structures	34	.5	298	4.8
Bridges, dams, locks	—	—	51	.8
Buildings--office, plant, residential	9	.1	20	.3
Mines, caves, tunnels	4	.1	11	.2
Scaffolds, staging	5	.1	70	1.1
Towers, poles	9	.1	65	1.0
Other structures	4	.1	80	1.3
Guardrails, road dividers	—	—	65	1.0
Machinery	479	7.7	189	3.0
Agricultural and garden machinery	91	1.5	11	.2
Harvesting and threshing machinery	35	.6	—	—
Balers	12	.2	—	—
Combines	11	.2	—	—
Mowing machinery	30	.5	—	—
Lawn mowers--riding	5	.1	—	—
Mowers, tractor	20	.3	—	—
Plowing, planting, and fertilizing machinery	5	.1	—	—
Construction, logging, and mining machinery	197	3.2	38	.6
Excavating machinery	59	1.0	9	.1
Backhoes	19	.3	4	.1
Bulldozers	28	.5	—	—
Loaders	56	.9	6	.1
Bucket loaders	5	.1	—	—
Front end loaders	38	.6	4	.1
Logging and wood processing machinery--specialized	23	.4	11	.2
Chippers	4	.1	—	—
Log loaders, including heel boom	4	.1	4	.1
Forwarder/yarder, skidder	5	.1	—	—

See footnotes at end of table.

Table 11. Fatal occupational injuries by primary and secondary source of injury, 1995 — Continued

Source of injury ¹	Fatalities			
	Primary source ²		Secondary source ³	
	Number	Percent	Number	Percent
Skidder--cable and grapple	5	.1	4	.1
Mining and drilling machinery	19	.3	9	.1
Drilling machines, drilling augers	6	.1	—	—
Road grading and surfacing machinery	27	.4	—	—
Graders, levellers, planers, scrapers	10	.2	—	—
Steam rollers, road pavers	14	.2	—	—
Heating, cooling, and cleaning machinery and appliances	18	.3	12	.2
Cooling and humidifying machinery and appliances	8	.1	4	.1
Heating and cooking machinery and appliances	5	.1	7	.1
Washers, dryers, and cleaning machinery and appliances	5	.1	—	—
Material handling (cranes, conveyers, jacks)	101	1.6	102	1.6
Conveyors--gravity	—	—	4	.1
Conveyors--powered	23	.4	10	.2
Cranes	38	.6	28	.5
Cranes--mobile, truck, rail mounted	8	.1	6	.1
Cranes--overhead	4	.1	6	.1
Overhead hoists	4	.1	6	.1
Elevators	26	.4	31	.5
Bucket or basket hoist--truck mounted	6	.1	12	.2
Manlifts	—	—	9	.1
Jacks	—	—	19	.3
Metal, woodworking, and special material machinery	32	.5	14	.2
Special process machinery	26	.4	8	.1
Paper production machinery	5	.1	—	—
Miscellaneous machinery	12	.2	—	—
Parts and materials	463	7.5	202	3.3
Building materials--solid elements	105	1.7	42	.7
Bricks, blocks, structural stone	15	.2	—	—
Pipes, ducts, tubing	24	.4	18	.3
Structural metal materials	45	.7	13	.2
Bars, rods, reinforcing bar (rebar)	8	.1	—	—
Plates, metal panels	7	.1	—	—
Wood, lumber	10	.2	6	.1
Other building materials--solid elements	9	.1	—	—
Fasteners, connectors, ropes, ties	46	.7	14	.2
Ropes, ties	44	.7	11	.2
Rope, twine, string	20	.3	4	.1
Machine, tool, and electrical parts	242	3.9	129	2.1
Electric parts	214	3.4	121	1.9
Electrical wiring	75	1.2	18	.3
Power lines, transformers, convertors	90	1.4	95	1.5
Switchboards, switches, fuses	16	.3	—	—
Metal materials--nonstructural	10	.2	—	—
Molten or hot metals, slag	4	.1	—	—
Vehicle and mobile equipment parts	44	.7	12	.2
Tires, inner tubes, wheels	23	.4	5	.1
Wheels, tire rims	10	.2	—	—
Trailers	13	.2	6	.1
Persons, plants, animals, and minerals	288	4.6	1,281	20.6
Animals and animal products	26	.4	41	.7
Birds and fowl	—	—	24	.4
Insects, arachnids	4	.1	—	—
Mammals, except humans	20	.3	14	.2
Cattle	13	.2	—	—
Horses	4	.1	8	.1
Food products--fresh or processed	26	.4	—	—
Nonmetallic minerals, except fuel	36	.6	20	.3
Dirt, earth	13	.2	8	.1
Rocks, crushed stone	16	.3	8	.1
Person--other than injured or ill worker	34	.5	991	16.0
Co-worker, former co-worker or injured worker	4	.1	94	1.5
Relative of injured worker	—	—	29	.5
Plants, trees, vegetation--not processed	150	2.4	137	2.2
Trees, logs	147	2.4	133	2.1
Chemicals and chemical products	132	2.1	83	1.3
Aromatics and hydrocarbon derivatives, except halogenated	4	.1	—	—
Metallic particulates, trace elements, dusts, powders, fumes	—	—	4	.1
Chemical products--general	32	.5	20	.3
Drugs, alcohol, medicines	28	.5	—	—
Explosives, blasting agents, n.e.c.	—	—	6	.1
Solvents, degreasers, n.e.c.	—	—	5	.1
Coal, natural gas, petroleum fuels and products	17	.3	31	.5
Natural gas	5	.1	6	.1

See footnotes at end of table.

Table 11. Fatal occupational injuries by primary and secondary source of injury, 1995 — Continued

Source of injury ¹	Fatalities			
	Primary source ²		Secondary source ³	
	Number	Percent	Number	Percent
Petroleum fuels, distillates, products, unspecified	9	.1	22	.4
Gasoline, diesel fuel, jet fuel	—	—	11	.2
Propane	6	.1	4	.1
Other chemicals	65	1.0	21	.3
Oxygen and oxygen compounds, n.e.c.	42	.7	5	.1
Carbon monoxide	34	.5	—	—
Sulfur and sulfur compounds	6	.1	—	—
Multiple chemicals or chemical mixtures, n.e.c.	4	.1	5	.1
Tools, instruments, and equipment	135	2.2	161	2.6
Handtools--nonpowered	79	1.3	12	.2
Cutting handtools	63	1.0	—	—
Knives	51	.8	—	—
Striking and nailing handtools	4	.1	—	—
Turning handtools, screwdrivers, wrenches	4	.1	—	—
Handtools--powered	19	.3	28	.5
Cutting handtools	7	.1	10	.2
Welding and heating handtools	8	.1	16	.3
Ladders	17	.3	95	1.5
Ladders--fixed	—	—	6	.1
Ladders--movable	11	.2	53	.9
Extension ladders	7	.1	17	.3
Step ladders	—	—	6	.1
Containers	87	1.4	47	.8
Containers-nonpressurized	42	.7	25	.4
Bags, sacks, totes	4	.1	—	—
Barrels, kegs, drums	5	.1	—	—
Boxes, crates, cartons	8	.1	—	—
Tanks, bins, vats	20	.3	19	.3
Containers-pressurized	19	.3	18	.3
Boilers	—	—	6	.1
Hoses	—	—	4	.1
Pressure lines, except hoses	—	—	5	.1
Propane tanks	4	.1	—	—
Containers-variable restraint	22	.4	4	.1
Bundles, bales	13	.2	—	—
Reels, rolls	8	.1	—	—
Other	1,353	21.8	274	4.4
Ammunition	1,013	16.3	—	—
Bullets	832	13.4	—	—
Explosive devices	128	2.1	—	—
Atmospheric and environmental conditions	189	3.0	114	1.8
Fire, flame, smoke	116	1.9	48	.8
Fire, flame	75	1.2	31	.5
Smoke, fire gases	34	.5	14	.2
Flood	—	—	4	.1
Temperature extreme	42	.7	—	—
Steam, vapors, liquids	88	1.4	118	1.9
Scrap, waste, debris	5	.1	—	—
Not reported	—	—	2,441	39.3

¹ Based on the 1992 BLS Occupational Injury and Illness Classification Structures.

² The primary source of injury 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.

³ 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. Secondary source was coded for 3,769 cases.

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, 1995.