

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatal injuries and by major private industry¹ sector, California, 2011

Primary source and secondary source ²	Total fatal injuries (number)	Goods producing				Service providing							
		Total goods producing	Natural resources and mining ³	Construction	Manufacturing	Total service providing	Trade, transportation and utilities	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services
Total	390	135	44	56	35	201	98	8	5	33	14	15	28
Primary Source⁴													
Chemicals and chemical products	19	5	--	--	--	12	6	--	--	--	--	--	4
Other chemicals	4	--	--	--	--	--	--	--	--	--	--	--	--
Chemical products--general	12	--	--	--	--	8	4	--	--	--	--	--	3
Drugs, alcohol, and medicines	12	--	--	--	--	8	4	--	--	--	--	--	3
Drugs--nonmedicinal	10	--	--	--	--	7	4	--	--	--	--	--	3
Containers, furniture, and fixtures	11	6	--	3	--	3	--	--	--	--	--	--	--
Containers	8	4	--	--	--	--	--	--	--	--	--	--	--
Containers--nonpressurized	5	--	--	--	--	--	--	--	--	--	--	--	--
Containers--pressurized	3	--	--	--	--	--	--	--	--	--	--	--	--
Furniture and fixtures	3	--	--	--	--	--	--	--	--	--	--	--	--
Furniture	3	--	--	--	--	--	--	--	--	--	--	--	--
Machinery	15	10	3	--	5	4	--	--	--	--	--	--	--
Agricultural and garden machinery	1	--	--	--	--	--	--	--	--	--	--	--	--
Harvesting and threshing machinery	1	--	--	--	--	--	--	--	--	--	--	--	--
Harvesters, reapers	1	--	--	--	--	--	--	--	--	--	--	--	--
Material and personnel handling machinery	4	3	--	--	--	--	--	--	--	--	--	--	--
Parts and materials	19	13	4	5	4	5	3	--	--	--	--	--	--
Building materials--solid elements	9	9	--	3	3	--	--	--	--	--	--	--	--
Pipes, ducts, tubing	6	6	--	--	3	--	--	--	--	--	--	--	--
Metal pipes, tubing	5	5	--	--	--	--	--	--	--	--	--	--	--
Machine, tool, and electric parts	9	4	--	--	--	4	--	--	--	--	--	--	--
Electric parts	9	4	--	--	--	4	--	--	--	--	--	--	--
Power lines, transformers, convertors	3	--	--	--	--	--	--	--	--	--	--	--	--
Switchboards, switches, fuses	3	3	--	--	--	--	--	--	--	--	--	--	--
Persons, plants, animals, and minerals	99	17	6	--	9	68	25	4	--	12	5	9	12
Person--injured or ill worker	33	7	--	--	4	20	6	4	--	4	--	--	3
Person--other than injured or ill worker	56	7	--	--	5	41	18	--	--	3	--	9	9
Relative or domestic partner of injured or ill worker	5	--	--	--	--	4	--	--	--	--	--	--	--
Spouse or domestic partner of injured or ill worker	4	--	--	--	--	3	--	--	--	--	--	--	--
Co-worker or work associate of injured or ill worker	13	--	--	--	--	6	--	--	--	--	1	--	--
Co-worker	9	--	--	--	--	4	2	--	--	--	1	--	--
Other client or customer	1	--	--	--	--	1	1	--	--	--	--	--	--
Assailant, suspect, inmate	26	--	--	--	--	20	9	--	--	--	--	5	5
Robber	11	--	--	--	--	11	8	--	--	--	--	--	--
Suspect not yet apprehended	1	--	--	--	--	--	--	--	--	--	--	--	--
Plants, trees, vegetation--not processed	8	3	3	--	--	5	--	--	--	5	--	--	--
Trees, logs, limbs	8	3	3	--	--	5	--	--	--	5	--	--	--
Trees	6	--	--	--	--	5	--	--	--	5	--	--	--
Structures and surfaces	50	27	4	20	3	15	--	--	--	4	--	5	--
Buildings--office, plant, residential	4	--	--	--	--	--	--	--	--	--	--	--	--
Residential buildings, except institutionalized	4	--	--	--	--	--	--	--	--	--	--	--	--
House, townhouse, rowhouse	4	--	--	--	--	--	--	--	--	--	--	--	--
Structures other than buildings	7	4	--	3	--	--	--	--	--	--	--	--	--
Scaffolds, staging	6	4	--	3	--	--	--	--	--	--	--	--	--
Other structural elements	16	14	--	13	--	--	--	--	--	--	--	--	--

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatal injuries and by major private industry¹ sector, California, 2011

Primary source and secondary source ²	Total fatal injuries (number)	Goods producing				Service providing							
		Total goods producing	Natural resources and mining ³	Construction	Manufacturing	Total service providing	Trade, transportation and utilities	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services
Roofs	10	8	--	8	--	--	--	--	--	--	--	--	--
Skylights	3	3	--	3	--	--	--	--	--	--	--	--	--
Roof edges	3	--	--	--	--	--	--	--	--	--	--	--	--
Floors, walkways, ground surfaces	18	5	4	--	--	10	--	--	--	--	--	4	--
Floors	8	--	--	--	--	6	--	--	--	--	--	--	--
Ground	--	--	--	--	--	--	--	--	--	--	--	--	--
Ground irregularity	1	--	--	--	--	--	--	--	--	--	--	--	--
Curbs, traffic calming bumps, embankments	4	4	4	--	--	--	--	--	--	--	--	--	--
Culverts, nonconfined ditches	3	3	3	--	--	--	--	--	--	--	--	--	--
Tools, instruments, and equipment	11	6	--	5	--	5	--	--	--	--	--	--	--
Ladders	8	5	--	4	--	3	--	--	--	--	--	--	--
Movable--ladders	6	4	--	3	--	--	--	--	--	--	--	--	--
Vehicles	156	46	20	17	9	85	56	--	--	12	6	--	7
Aircraft	11	--	--	--	--	--	--	--	--	--	--	--	--
Airplanes--powered fixed wing	4	--	--	--	--	--	--	--	--	--	--	--	--
Aircraft--powered rotary wing	4	--	--	--	--	--	--	--	--	--	--	--	--
Helicopter	4	--	--	--	--	--	--	--	--	--	--	--	--
Rail vehicles	3	--	--	--	--	--	--	--	--	--	--	--	--
Water vehicle	4	--	--	--	--	3	3	--	--	--	--	--	--
Cargo ship, freighter, passenger liner, ship, excluding sail-powered	3	--	--	--	--	3	3	--	--	--	--	--	--
Highway vehicles, motorized	116	32	10	16	6	71	48	--	--	11	3	--	6
Passenger vehicle--automobiles, buses, and passenger vans	31	6	--	4	--	17	8	--	--	4	--	--	3
Ambulance, police, and other emergency passenger vehicle	5	--	--	--	--	--	--	--	--	--	--	--	--
Automobile	17	5	--	4	--	10	5	--	--	3	--	--	--
Bus	4	--	--	--	--	3	--	--	--	--	--	--	--
Passenger van	3	--	--	--	--	--	--	--	--	--	--	--	--
Trucks--motorized freight hauling and utility	56	10	3	5	--	41	33	--	--	5	--	--	--
Semi, tractor-trailer, tanker truck	33	5	--	--	--	26	24	--	--	--	--	--	--
Boom truck, bucket or basket hoist truck	4	--	--	--	--	--	--	--	--	--	--	--	--
Dump truck	5	--	--	--	--	4	--	--	--	--	--	--	--
Delivery truck or van	3	--	--	--	--	3	--	--	--	--	--	--	--
Multi-purpose highway vehicles	28	16	6	7	3	12	6	--	--	--	--	--	--
Pickup truck	23	14	5	6	3	9	5	--	--	--	--	--	--
SUV, sports utility vehicle	5	--	--	--	--	3	--	--	--	--	--	--	--
Off-road or industrial vehicles--powered	19	11	9	--	--	8	5	--	--	--	--	--	--
Off-road passenger vehicles--powered	3	--	--	--	--	3	--	--	--	--	--	--	--
Industrial vehicles, material hauling and transport--powered	4	--	--	--	--	4	3	--	--	--	--	--	--
Forklift, order picker, platform truck--powered	4	--	--	--	--	4	3	--	--	--	--	--	--
Tractors, PTOs	11	11	9	--	--	--	--	--	--	--	--	--	--
Farm tractor	8	8	8	--	--	--	--	--	--	--	--	--	--
Other vehicles	3	--	--	--	--	--	--	--	--	--	--	--	--
Other sources	10	5	--	--	3	4	--	--	--	3	--	--	--
Environmental and elemental conditions	6	4	--	--	--	--	--	--	--	--	--	--	--
Temperature extremes--environmental	4	--	--	--	--	--	--	--	--	--	--	--	--
Heat--environmental	4	--	--	--	--	--	--	--	--	--	--	--	--
Secondary Source⁵													
Chemicals and chemical products	7	3	--	--	--	3	--	--	--	--	--	--	--

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatal injuries and by major private industry¹ sector, California, 2011

Primary source and secondary source ²	Total fatal injuries (number)	Goods producing				Service providing							
		Total goods producing	Natural resources and mining ³	Construction	Manufacturing	Total service providing	Trade, transportation and utilities	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services
Chemical products--general	5	--	--	--	--	3	--	--	--	--	--	--	--
Drugs, alcohol, and medicines	5	--	--	--	--	3	--	--	--	--	--	--	--
Drugs--nonmedicinal	4	--	--	--	--	--	--	--	--	--	--	--	--
Containers, furniture, and fixtures	3	--	--	--	--	3	--	--	--	1	--	--	--
Furniture and fixtures	--	--	--	--	--	--	--	--	--	1	--	--	--
Plumbing fixtures	1	--	--	--	--	1	--	--	--	1	--	--	--
Bathtubs, hot tubs, showers	1	--	--	--	--	1	--	--	--	1	--	--	--
Machinery	6	3	3	--	--	3	--	--	--	--	--	--	--
Parts and materials	26	10	--	4	3	15	4	3	--	5	--	--	--
Fasteners, connectors, ropes, ties	12	--	--	--	--	9	--	--	--	3	--	--	--
Ropes, ties, chains	12	--	--	--	--	9	--	--	--	3	--	--	--
Rope, twine, string	10	--	--	--	--	7	--	--	--	3	--	--	--
Machine, tool, and electric parts	11	7	--	--	--	4	--	--	--	--	--	--	--
Electric parts	10	6	--	--	--	4	--	--	--	--	--	--	--
Power lines, transformers, convertors	5	--	--	--	--	--	--	--	--	--	--	--	--
Persons, plants, animals, and minerals	10	3	--	--	--	5	--	--	--	--	--	--	--
Plants, trees, vegetation--not processed	8	3	--	--	--	4	--	--	--	--	--	--	--
Trees, logs, limbs	8	3	--	--	--	4	--	--	--	--	--	--	--
Trees	8	3	--	--	--	4	--	--	--	--	--	--	--
Structures and surfaces	32	12	4	3	5	12	8	--	--	--	--	--	--
Confined spaces	5	5	--	--	3	--	--	--	--	--	--	--	--
Tank, bin, vat interiors	3	3	--	--	3	--	--	--	--	--	--	--	--
Structures other than buildings	11	3	--	--	--	8	5	--	--	--	--	--	--
Other structures	6	--	--	--	--	6	4	--	--	1	--	--	--
Guardrails, road dividers	4	--	--	--	--	4	4	--	--	--	--	--	--
Other structural elements	7	3	--	--	--	1	1	--	--	--	--	--	--
Roofs	3	--	--	--	--	--	--	--	--	--	--	--	--
Floors, walkways, ground surfaces	7	--	--	--	--	--	--	--	--	--	--	--	--
Ground	5	--	--	--	--	--	--	--	--	--	--	--	--
Tools, instruments, and equipment	60	9	--	--	7	43	20	--	--	4	--	8	9
Handtools--nonpowered	5	--	--	--	--	4	--	--	--	--	--	--	--
Cutting handtools--nonpowered	5	--	--	--	--	4	--	--	--	--	--	--	--
Knives, unspecified or n.e.c.	5	--	--	--	--	4	--	--	--	--	--	--	--
Firearms, law enforcement, and other self-defense equipment	53	8	1	--	7	38	17	--	--	4	--	6	9
Firearms	53	8	1	--	7	38	17	--	--	4	--	6	9
Pistol, handgun, revolver	25	3	--	--	3	19	7	--	--	--	--	4	6
Rifle, shotgun	8	--	1	--	--	3	--	--	--	--	--	--	--
Other tools, instruments, and equipment	1	--	--	--	--	1	1	--	--	--	--	--	--
Vehicles	53	21	6	11	4	26	15	--	3	4	--	--	--
Highway vehicles, motorized	44	16	3	10	3	23	15	--	--	4	--	--	--
Passenger vehicle--automobiles, buses, and passenger vans	13	--	--	--	--	8	5	--	--	--	--	--	--
Ambulance, police, and other emergency passenger vehicle	2	--	--	--	--	--	--	--	--	--	--	--	--
Automobile	10	--	--	--	--	7	5	--	--	--	--	--	--
Trucks--motorized freight hauling and utility	18	9	--	7	--	8	6	--	--	--	--	--	--
Semi, tractor-trailer, tanker truck	15	8	--	6	--	6	4	--	--	--	--	--	--
Multi-purpose highway vehicles	13	5	--	--	--	7	4	--	--	3	--	--	--
Pickup truck	10	3	--	--	--	6	3	--	--	3	--	--	--
SUV, sports utility vehicle	3	--	--	--	--	--	--	--	--	--	--	--	--
Off-road or industrial vehicles--powered	4	3	--	--	--	--	--	--	--	--	--	--	--
Other sources	3	--	--	--	--	--	--	--	--	--	--	--	--

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatal injuries and by major private industry ¹ sector, California, 2011

Primary source and secondary source ²	Total fatal injuries (number)	Goods producing				Service providing							
		Total goods producing	Natural resources and mining ³	Construction	Manufacturing	Total service providing	Trade, transportation and utilities	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services

¹ Industry data are based on the North American Industry Classification System, 2007.

² Based on the BLS Occupational Injury and Illness Classification System (OIICS) 2.01 implemented for 2011 data forward.

³ Includes fatal injuries at all establishments categorized as Mining (Sector 21) in the North American Industry Classification System, including establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction.

⁴ The primary source of a fatal occupational injury is the object, substance, person, bodily motion, or exposure which most directly led to, produced, or inflicted the injury or illness.

⁵ The secondary source of a fatal occupational injury is the object, substance, person, or exposure, other than the source, if any, which most actively generated the source or contributed to the injury or illness.

NOTE: Data for all years are revised and final. Totals for major categories may include subcategories not shown separately. Dashes indicate no data reported or data that do not meet publication criteria. N.e.c. means "not elsewhere classified". CFOI fatal injury counts exclude illness-related deaths unless precipitated by an injury event.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State, New York City, District of Columbia, and Federal agencies, Census of Fatal Occupational Injuries, May 14, 2013.