

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatalities and by major private industr¹ sector, California, 2003

Primary source and secondary source	Total fatalities (number)	Goods producing				Service providing							
		Total goods producing	Natural resources and mining ²	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.....	459	168	37	102	29	244	115	8	9	57	13	21	19
Primary Source³													
Chemicals and chemical products.....	11	5	--	3	--	6	--	--	--	--	--	--	--
Chemical products--general.....	9	5	--	3	--	4	--	--	--	--	--	--	--
Drugs, alcohol, medicines.....	8	5	--	3	--	3	--	--	--	--	--	--	--
Drugs--nonmedicinal.....	7	4	--	--	--	3	--	--	--	--	--	--	--
Containers.....	11	7	--	3	3	3	--	--	--	--	--	--	--
Containers--nonpressurized.....	6	4	--	--	--	--	--	--	--	--	--	--	--
Tanks, bins, vats.....	5	3	--	--	--	--	--	--	--	--	--	--	--
Containers--variable restraint.....	4	3	--	--	--	--	--	--	--	--	--	--	--
Bundles, bales.....	4	3	--	--	--	--	--	--	--	--	--	--	--
Machinery.....	33	24	3	12	9	8	4	--	--	--	--	--	--
Construction, logging, and mining machinery.....	15	13	--	10	--	--	--	--	--	--	--	--	--
Excavating machinery.....	7	6	--	6	--	--	--	--	--	--	--	--	--
Backhoes.....	6	6	--	6	--	--	--	--	--	--	--	--	--
Metal, woodworking, and special material machinery.....	6	5	--	--	4	--	--	--	--	--	--	--	--
Extruding, injecting, forming, molding machinery.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Special process machinery.....	4	3	--	--	--	--	--	--	--	--	--	--	--
Miscellaneous machinery.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Other machinery.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Parts and materials.....	26	14	--	11	3	11	6	--	--	--	--	--	--
Building materials--solid elements.....	7	4	--	3	--	3	3	--	--	--	--	--	--
Pipes, ducts, tubing.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Metal pipe, tubing.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Fasteners, connectors, ropes, ties.....	8	--	--	--	--	5	--	--	--	--	--	--	--
Ropes, ties, chains.....	7	--	--	--	--	5	--	--	--	--	--	--	--
Rope, twine, string.....	5	--	--	--	--	4	--	--	--	--	--	--	--
Machine, tool, and electric parts.....	7	6	--	6	--	--	--	--	--	--	--	--	--
Electric parts.....	7	6	--	6	--	--	--	--	--	--	--	--	--
Electrical wiring.....	3	3	--	3	--	--	--	--	--	--	--	--	--
Vehicle and mobile equipment parts.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Persons, plants, animals, and minerals.....	22	9	3	6	--	11	4	--	--	6	--	--	--
Nonmetallic minerals, except fuel.....	4	4	--	4	--	--	--	--	--	--	--	--	--
Dirt, earth.....	3	3	--	3	--	--	--	--	--	--	--	--	--
Person--other than injured or ill worker.....	5	--	--	--	--	3	--	--	--	--	--	--	--

See footnotes at end of table.

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatalities and by major private industr¹ sector, California, 2003 - continued

Primary source and secondary source	Total fatalities (number)	Goods producing				Service providing							
		Total goods producing	Natural resources and mining ²	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
Person--other than injured or ill worker, unspecified.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Plants, trees, vegetation--not processed.....	8	--	--	--	--	6	--	--	--	6	--	--	--
Trees, logs.....	8	--	--	--	--	6	--	--	--	6	--	--	--
Structures and surfaces.....	75	44	--	41	--	29	10	4	--	8	--	4	--
Floors, walkways, ground surfaces.....	67	39	--	37	--	26	7	4	--	8	--	4	--
Floors, walkways, ground surfaces, unspecified.....	6	6	--	6	--	--	--	--	--	--	--	--	--
Floors.....	18	9	--	9	--	8	3	--	--	--	--	--	--
Floor of building.....	16	7	--	7	--	8	3	--	--	--	--	--	--
Ground.....	27	13	--	13	--	13	3	--	--	5	--	--	--
Sidewalks, paths, outdoor walkways.....	6	5	--	5	--	--	--	--	--	--	--	--	--
Street, road.....	4	--	--	--	--	3	--	--	--	--	--	--	--
Structures.....	5	3	--	--	--	--	--	--	--	--	--	--	--
Tools, instruments, and equipment.....	12	--	--	--	--	9	--	--	--	3	--	--	--
Handtools--nonpowered.....	10	--	--	--	--	8	--	--	--	3	--	--	--
Cutting handtools--nonpowered.....	6	--	--	--	--	5	--	--	--	--	--	--	--
Vehicles.....	188	50	22	21	7	113	59	3	--	20	11	9	8
Air vehicle.....	23	4	--	--	--	15	--	--	--	--	10	--	--
Aircraft--powered fixed wing.....	15	--	--	--	--	8	--	--	--	--	4	--	--
Propeller-driven aircraft.....	10	--	--	--	--	4	--	--	--	--	4	--	--
Aircraft--powered rotary wing.....	8	--	--	--	--	7	--	--	--	--	6	--	--
Helicopter.....	7	--	--	--	--	6	--	--	--	--	5	--	--
Highway vehicle, motorized.....	136	28	7	16	5	87	51	--	--	16	--	6	8
Highway vehicle, unspecified.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Automobile.....	29	3	--	--	--	16	5	--	--	5	--	--	--
Motorcycle, moped.....	8	--	--	--	--	--	--	--	--	--	--	--	--
Truck.....	84	20	6	10	4	59	41	--	--	10	--	--	--
Truck, unspecified.....	6	--	--	--	--	5	--	--	--	--	--	--	--
Delivery truck.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Pickup truck.....	21	11	--	7	--	9	--	--	--	4	--	--	--
Semitrailer, tractor trailer, trailer truck.....	35	3	--	--	3	32	30	--	--	--	--	--	--
Truck, n.e.c.....	19	4	--	3	--	11	6	--	--	4	--	--	--
Van--passenger or light delivery.....	10	--	--	--	--	8	3	--	--	--	--	--	--
Offroad vehicle, nonindustrial.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Plant and industrial powered vehicles, tractors.....	19	12	9	--	--	7	5	--	--	--	--	--	--
Forklift.....	12	5	3	--	--	7	5	--	--	--	--	--	--
Forklift, unspecified.....	12	5	3	--	--	7	5	--	--	--	--	--	--
Tractor.....	7	7	6	--	--	--	--	--	--	--	--	--	--
Other sources.....	80	13	5	4	4	54	26	--	3	12	--	4	7

See footnotes at end of table.

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatalities and by major private industr¹ sector, California, 2003 - continued

Primary source and secondary source	Total fatalities (number)	Goods producing				Service providing							
		Total goods producing	Natural resources and mining ²	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
Ammunition.....	57	7	3	--	3	40	24	--	--	5	--	3	4
Bullets.....	54	6	3	--	3	39	23	--	--	5	--	3	4
Atmospheric and environmental conditions.....	13	5	--	3	--	7	--	--	--	--	--	--	3
Fire, flame, smoke.....	9	3	--	--	--	5	--	--	--	--	--	--	3
Fire, flame.....	9	3	--	--	--	5	--	--	--	--	--	--	3
Steam, vapors, liquids, n.e.c.....	6	--	--	--	--	5	--	--	--	4	--	--	--
Liquids.....	6	--	--	--	--	5	--	--	--	4	--	--	--
Water.....	6	--	--	--	--	5	--	--	--	4	--	--	--
Secondary Source⁴													
Chemicals and chemical products.....	6	4	--	--	--	--	--	--	--	--	--	--	--
Containers.....	5	3	--	--	--	--	--	--	--	--	--	--	--
Machinery.....	11	5	--	4	--	6	--	--	--	--	--	--	3
Material handling machinery.....	8	3	--	--	--	5	--	--	--	--	--	--	3
Jacks.....	6	--	--	--	--	4	--	--	--	--	--	--	3
Jacks--hydraulic.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Parts and materials.....	10	4	--	--	--	6	3	--	--	--	--	--	--
Building materials--solid elements.....	5	3	--	--	--	--	--	--	--	--	--	--	--
Structural metal materials.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Machine, tool, and electric parts.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Electric parts.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Power lines, transformers, convertors.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Persons, plants, animals, and minerals.....	75	10	5	--	3	56	31	--	3	10	--	6	5
Person--other than injured or ill worker.....	58	7	3	--	3	43	28	--	3	3	--	5	3
Person--other than injured or ill worker, unspecified.....	30	6	3	--	--	23	14	--	--	--	--	3	--
Co-worker, former co-worker of injured or ill worker.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Robber.....	13	--	--	--	--	13	10	--	--	--	--	--	--
Person--other than injured or ill worker, n.e.c.....	10	--	--	--	--	3	--	--	--	--	--	--	--
Plants, trees, vegetation--not processed.....	15	3	--	--	--	11	--	--	--	7	--	--	--
Trees, logs.....	15	3	--	--	--	11	--	--	--	7	--	--	--
Structures and surfaces.....	85	43	6	36	--	35	13	--	--	10	8	--	--
Floors, walkways, ground surfaces.....	32	12	4	8	--	14	4	--	--	--	7	--	--
Floors.....	3	3	--	3	--	--	--	--	--	--	--	--	--
Floor of building.....	3	3	--	3	--	--	--	--	--	--	--	--	--
Ground.....	20	5	--	--	--	11	--	--	--	--	7	--	--
Other floors, walkways, ground surfaces.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Ramps, runways, loading docks.....	3	--	--	--	--	--	--	--	--	--	--	--	--

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Primary source and secondary source	Total fatalities (number)	Goods producing				Service providing							
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Other structural elements.....	26	20	--	20	--	6	3	--	--	3	--	--	--
Roof.....	15	15	--	15	--	--	--	--	--	--	--	--	--
Walls.....	4	--	--	--	--	3	--	--	--	--	--	--	--
Structural elements, n.e.c.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Structures.....	27	11	--	8	--	15	6	--	--	5	--	--	--
Scaffolds, staging.....	5	4	--	4	--	--	--	--	--	--	--	--	--
Towers, poles.....	6	3	--	--	--	--	--	--	--	--	--	--	--
Other structures.....	11	3	--	--	--	8	6	--	--	--	--	--	--
Guardrails, road dividers.....	6	--	--	--	--	6	5	--	--	--	--	--	--
Structures, n.e.c.....	5	3	--	--	--	--	--	--	--	--	--	--	--
Tools, instruments, and equipment.....	22	6	--	6	--	9	--	--	--	4	--	--	--
Ladders.....	11	5	--	5	--	4	--	--	--	--	--	--	--
Ladders, unspecified.....	5	4	--	4	--	--	--	--	--	--	--	--	--
Ladders--movable.....	4	--	--	--	--	3	--	--	--	--	--	--	--
Other tools, instruments, and equipment.....	11	--	--	--	--	5	--	--	--	3	--	--	--
Firearms.....	11	--	--	--	--	5	--	--	--	3	--	--	--
Firearm, unspecified.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Pistol, handgun, revolver.....	5	--	--	--	--	3	--	--	--	--	--	--	--
Vehicles.....	77	19	7	6	6	47	28	--	--	11	--	--	3
Highway vehicle, motorized.....	64	12	4	5	3	41	23	--	--	11	--	--	--
Highway vehicle, unspecified.....	3	--	--	--	--	3	--	--	--	--	--	--	--
Automobile.....	13	--	--	--	--	7	--	--	--	--	--	--	--
Truck.....	44	9	4	3	--	30	16	--	--	8	--	--	--
Truck, unspecified.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Pickup truck.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Semitrailer, tractor trailer, trailer truck.....	24	7	4	3	--	16	10	--	--	--	--	--	--
Truck, n.e.c.....	13	--	--	--	--	10	4	--	--	5	--	--	--
Van--passenger or light delivery.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Plant and industrial powered vehicles, tractors.....	5	3	--	--	--	--	--	--	--	--	--	--	--
Forklift.....	3	--	--	--	--	--	--	--	--	--	--	--	--

See footnotes at end of table.

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		Total goods producing	Natural resources and mining ²	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
Forklift, unspecified.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Rail vehicle.....	4	--	--	--	--	3	3	--	--	--	--	--	--
Train.....	4	--	--	--	--	3	3	--	--	--	--	--	--
Other sources.....	18	8	6	--	--	10	4	--	--	--	--	3	--
Atmospheric and environmental conditions.....	7	--	--	--	--	6	--	--	--	--	--	--	--
Weather and atmospheric conditions.....	5	--	--	--	--	4	--	--	--	--	--	--	--
Rain.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Steam, vapors, liquids, n.e.c.....	9	6	6	--	--	3	--	--	--	--	--	--	--
Liquids.....	9	6	6	--	--	3	--	--	--	--	--	--	--
Water.....	9	6	6	--	--	3	--	--	--	--	--	--	--

¹ Classified according to the North American Industry Classification System, 2002.

² Includes fatalities at all establishments categorized as Mining (Sector 21) in the North American Industry Classification System, 2002, including establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction.

³ 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.

⁴ 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. Dashes indicate no data reported or data that do not meet publication criteria. n.e.c. means "not elsewhere classified." Data for years prior to 2008 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