

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatalities and by major private industry¹ sector, California, 2005

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.....	465	178	56	103	19	243	122	11	11	47	15	19	18
Primary Source³													
Chemicals and chemical products.....	12	4	--	3	--	8	--	--	--	3	--	--	--
Chemical products--general.....	5	--	--	--	--	3	--	--	--	--	--	--	--
Drugs, alcohol, medicines.....	5	--	--	--	--	3	--	--	--	--	--	--	--
Drugs--nonmedicinal.....	5	--	--	--	--	3	--	--	--	--	--	--	--
Other chemicals.....	7	--	--	--	--	5	--	--	--	--	--	--	--
Oxygen and oxygen compounds, n.e.c.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Carbon monoxide.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Containers.....	10	5	--	--	--	4	--	--	--	--	--	--	--
Containers--nonpressurized.....	4	--	--	--	--	3	--	--	--	--	--	--	--
Containers--variable restraint.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Bundles, bales.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Furniture and fixtures.....	4	--	--	--	--	3	3	--	--	--	--	--	--
Machinery.....	32	18	--	12	4	12	--	--	--	4	--	--	4
Agricultural and garden machinery.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Construction, logging, and mining machinery.....	7	6	--	6	--	--	--	--	--	--	--	--	--
Road grading and surfacing machinery.....	3	3	--	3	--	--	--	--	--	--	--	--	--
Heating, cooling, and cleaning machinery and appliances.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Material handling machinery.....	8	4	--	3	--	4	--	--	--	--	--	--	--
Cranes.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Elevators, aerial lifts.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Metal, woodworking, and special material machinery.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Miscellaneous machinery.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Other machinery.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Parts and materials.....	36	18	3	13	--	15	7	--	--	--	--	--	--
Building materials--solid elements.....	16	10	--	7	--	5	4	--	--	--	--	--	--
Pipes, ducts, tubing.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Metal pipe, tubing.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Structural metal materials.....	5	5	--	4	--	--	--	--	--	--	--	--	--
Wood, lumber.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Fasteners, connectors, ropes, ties.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Ropes, ties, chains.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Machine, tool, and electric parts.....	13	7	--	6	--	4	--	--	--	--	--	--	--
Electric parts.....	11	6	--	5	--	3	--	--	--	--	--	--	--
Electrical wiring.....	7	3	--	3	--	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, 2005 - 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
Vehicle and mobile equipment parts.....	4	--	--	--	--	4	--	--	--	--	--	--	--
Tires, inner tubes, wheels.....	3	--	--	--	--	3	--	--	--	--	--	--	--
Persons, plants, animals, and minerals.....	19	11	--	8	--	7	--	--	--	3	--	--	--
Nonmetallic minerals, except fuel.....	5	5	--	5	--	--	--	--	--	--	--	--	--
Dirt, earth.....	5	5	--	5	--	--	--	--	--	--	--	--	--
Person--other than injured or ill worker.....	5	--	--	--	--	4	--	--	--	--	--	--	--
Plants, trees, vegetation--not processed.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Trees, logs.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Structures and surfaces.....	61	33	--	29	--	27	8	--	4	8	--	5	--
Floors, walkways, ground surfaces.....	58	32	--	28	--	25	8	--	4	6	--	5	--
Floors, walkways, ground surfaces, unspecified.....	4	3	--	3	--	--	--	--	--	--	--	--	--
Floors.....	18	9	--	7	--	9	4	--	--	--	--	3	--
Floor of building.....	17	8	--	7	--	9	4	--	--	--	--	3	--
Ground.....	27	17	--	16	--	10	4	--	--	4	--	--	--
Sidewalks, paths, outdoor walkways.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Tools, instruments, and equipment.....	15	3	--	--	--	11	4	--	--	3	--	3	--
Handtools--nonpowered.....	14	3	--	--	--	10	4	--	--	3	--	--	--
Cutting handtools--nonpowered.....	11	--	--	--	--	8	3	--	--	--	--	--	--
Knives.....	7	--	--	--	--	6	3	--	--	--	--	--	--
Vehicles.....	191	62	33	25	4	107	66	7	3	12	9	4	6
Air vehicle.....	23	4	4	--	--	14	5	--	--	--	8	--	--
Aircraft--powered fixed wing.....	18	--	--	--	--	13	5	--	--	--	7	--	--
Propeller-driven aircraft.....	14	--	--	--	--	10	3	--	--	--	7	--	--
Aircraft--powered rotary wing.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Helicopter.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Highway vehicle, motorized.....	136	37	14	21	--	82	54	7	3	9	--	3	5
Highway vehicle, unspecified.....	7	3	--	--	--	4	--	--	--	--	--	--	--
Automobile.....	24	4	--	4	--	14	7	3	--	--	--	--	--
Motorcycle, moped.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Truck.....	83	17	6	10	--	57	41	3	--	8	--	--	3
Truck, unspecified.....	5	3	--	--	--	--	--	--	--	--	--	--	--
Delivery truck.....	7	--	--	--	--	6	5	--	--	--	--	--	--
Dump truck.....	12	--	--	--	--	10	6	--	--	--	--	--	--
Pickup truck.....	18	7	4	3	--	8	4	--	--	--	--	--	--
Semitrailer, tractor trailer, trailer truck.....	27	--	--	--	--	25	23	--	--	--	--	--	--
Truck, n.e.c.....	14	3	--	3	--	6	--	--	--	3	--	--	--
Van--passenger or light delivery.....	16	12	7	5	--	4	--	--	--	--	--	--	--
Plant and industrial powered vehicles, tractors.....	24	19	13	4	--	5	4	--	--	--	--	--	--
Forklift.....	12	7	--	4	--	5	4	--	--	--	--	--	--

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, 2005 - continued

Primary source and secondary source	Total fatalities (number)	Goods producing				Service providing							
		Total goods producing	Natural resources and mining ²	Construc- tion	Manufac- turing	Total service providing	Trade, transpor- tation, and utilities	Informa- tion	Financial activities	Profes- sional and business services	Education and health services	Leisure and hospitality	Other services
Forklift, unspecified.....	8	5	--	4	--	3	--	--	--	--	--	--	--
Tractor.....	12	12	12	--	--	--	--	--	--	--	--	--	--
Water vehicle.....	3	--	--	--	--	3	--	--	--	--	--	--	--
Other sources.....	85	23	10	9	4	49	25	--	--	10	3	4	3
Ammunition.....	59	6	--	3	--	42	22	--	--	6	3	4	3
Bullets.....	57	6	--	3	--	40	22	--	--	6	--	3	3
Atmospheric and environmental conditions.....	19	16	10	5	--	3	--	--	--	--	--	--	--
Fire, flame, smoke.....	8	6	3	--	--	--	--	--	--	--	--	--	--
Fire, flame.....	5	5	3	--	--	--	--	--	--	--	--	--	--
Temperature extremes--environmental.....	11	10	7	3	--	--	--	--	--	--	--	--	--
Heat--environmental.....	11	10	7	3	--	--	--	--	--	--	--	--	--
Steam, vapors, liquids, n.e.c.....	5	--	--	--	--	--	--	--	--	--	--	--	--
Liquids.....	5	--	--	--	--	--	--	--	--	--	--	--	--
Water.....	5	--	--	--	--	--	--	--	--	--	--	--	--
Secondary Source⁴													
Chemicals and chemical products.....	6	6	3	--	--	--	--	--	--	--	--	--	--
Coal, natural gas, petroleum fuels and products, n.e.c.....	3	3	--	--	--	--	--	--	--	--	--	--	--
Containers.....	6	--	--	--	--	3	--	--	--	--	--	--	--
Furniture and fixtures.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Machinery.....	11	8	4	4	--	3	--	--	--	--	--	--	--
Agricultural and garden machinery.....	3	3	3	--	--	--	--	--	--	--	--	--	--
Material handling machinery.....	4	3	--	--	--	--	--	--	--	--	--	--	--
Parts and materials.....	18	7	3	4	--	10	--	--	--	3	--	--	--
Machine, tool, and electric parts.....	12	6	3	3	--	6	--	--	--	3	--	--	--
Electric parts.....	12	6	3	3	--	6	--	--	--	3	--	--	--
Power lines, transformers, convertors.....	9	4	3	--	--	5	--	--	--	--	--	--	--
Persons, plants, animals, and minerals.....	75	8	3	3	--	51	26	--	--	10	3	5	3
Person--other than injured or ill worker.....	64	4	--	--	--	47	25	--	--	8	3	5	--
Person--other than injured or ill worker, unspecified.....	17	4	--	--	--	13	5	--	--	3	--	--	--
Co-worker, former co-worker of injured or ill worker.....	8	--	--	--	--	5	--	--	--	--	--	--	--
Robber.....	20	--	--	--	--	19	14	--	--	--	--	--	--
Person--other than injured or ill worker, n.e.c.....	18	--	--	--	--	9	4	--	--	--	--	--	--
Plants, trees, vegetation--not processed.....	10	3	--	--	--	4	--	--	--	--	--	--	--
Trees, logs.....	10	3	--	--	--	4	--	--	--	--	--	--	--
Structures and surfaces.....	66	34	7	27	--	27	13	--	--	6	6	--	--

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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
Floors, walkways, ground surfaces.....	26	9	5	4	--	14	7	--	--	--	5	--	--
Ground.....	16	6	4	--	--	7	--	--	--	--	5	--	--
Other floors, walkways, ground surfaces.....	7	--	--	--	--	6	5	--	--	--	--	--	--
Ramps, runways, loading docks.....	7	--	--	--	--	6	5	--	--	--	--	--	--
Other structural elements.....	19	16	--	15	--	3	--	--	--	--	--	--	--
Roof.....	11	11	--	10	--	--	--	--	--	--	--	--	--
Walls.....	4	3	--	3	--	--	--	--	--	--	--	--	--
Structures.....	21	9	--	8	--	10	5	--	--	4	--	--	--
Pools.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Scaffolds, staging.....	5	5	--	5	--	--	--	--	--	--	--	--	--
Scaffolds--staging, unspecified.....	3	3	--	3	--	--	--	--	--	--	--	--	--
Towers, poles.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Other structures.....	6	--	--	--	--	5	4	--	--	--	--	--	--
Guardrails, road dividers.....	5	--	--	--	--	4	4	--	--	--	--	--	--
Tools, instruments, and equipment.....	25	12	--	10	--	11	4	--	--	--	--	--	--
Ladders.....	12	9	--	8	--	3	--	--	--	--	--	--	--
Ladders, unspecified.....	4	3	--	--	--	--	--	--	--	--	--	--	--
Ladders--movable.....	7	5	--	5	--	--	--	--	--	--	--	--	--
Step ladders.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Other tools, instruments, and equipment.....	9	3	--	--	--	4	3	--	--	--	--	--	--
Firearms.....	9	3	--	--	--	4	3	--	--	--	--	--	--
Pistol, handgun, revolver.....	7	--	--	--	--	4	3	--	--	--	--	--	--
Vehicles.....	72	24	6	14	4	39	31	3	--	3	--	--	--
Highway vehicle, motorized.....	55	18	--	12	3	30	24	--	--	--	--	--	--
Automobile.....	9	--	--	--	--	3	--	--	--	--	--	--	--
Truck.....	40	14	--	10	--	24	21	--	--	--	--	--	--
Truck, unspecified.....	5	3	--	--	--	--	--	--	--	--	--	--	--
Pickup truck.....	5	--	--	--	--	4	4	--	--	--	--	--	--
Semitrailer, tractor trailer, trailer truck.....	23	7	--	6	--	16	13	--	--	--	--	--	--

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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
Truck, n.e.c.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Plant and industrial powered vehicles, tractors.....	13	5	--	--	--	7	6	--	--	--	--	--	--
Forklift.....	10	3	--	--	--	6	6	--	--	--	--	--	--
Forklift, unspecified.....	9	3	--	--	--	5	5	--	--	--	--	--	--
Tractor.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Other sources.....	9	3	--	--	--	5	--	--	--	--	--	--	--
Atmospheric and environmental conditions.....	5	--	--	--	--	--	--	--	--	--	--	--	--
Weather and atmospheric conditions.....	5	--	--	--	--	--	--	--	--	--	--	--	--
Steam, vapors, liquids, n.e.c.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Liquids.....	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