

TABLE A-10. Fatal occupational injuries by primary and secondary source of injury by major private industry division, California, 2001

Primary source and secondary source	Total fatalities (number)	Private Industry <sup>1</sup> (percent)								
		Agriculture, forestry, and fishing	Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
<b>Total</b> .....	510	14.1	1.4	19.0	7.1	15.3	4.1	8.6	1.8	17.8
<b>Primary source<sup>2</sup></b>										
<b>Vehicles</b>	213	20.7	--	9.9	3.8	27.2	5.6	1.9	1.4	16.9
Air vehicle	12	--	--	--	--	33.3	--	--	--	--
Aircraft--powered fixed wing	10	--	--	--	--	30.0	--	--	--	--
Aircraft--powered fixed wing, unspecified	3	--	--	--	--	100.0	--	--	--	--
Propeller-driven aircraft	5	--	--	--	--	--	--	--	--	--
Highway vehicle, motorized	165	15.8	--	8.5	3.0	30.9	7.3	1.8	1.8	18.2
Automobile	31	--	--	--	--	12.9	9.7	--	--	25.8
Motorcycle, moped	7	--	--	--	--	--	--	--	--	--
Truck	98	15.3	--	11.2	3.1	43.9	3.1	--	--	15.3
Truck, unspecified	9	--	--	--	--	44.4	--	--	--	33.3
Dump truck	11	--	--	36.4	--	45.5	--	--	--	--
Pickup truck	21	38.1	--	14.3	--	--	--	--	--	14.3
Semitrailer, tractor trailer, trailer truck	37	--	--	--	--	75.7	--	--	--	8.1
Truck, n.e.c.	18	22.2	--	--	--	22.2	--	--	--	33.3
Van--passenger or light delivery	26	38.5	--	--	--	--	23.1	--	--	19.2
Plant and industrial powered vehicles, tractors	28	46.4	--	25.0	--	--	--	--	--	14.3
Forklift	11	--	--	27.3	--	--	--	--	--	36.4
Forklift, unspecified	10	--	--	30.0	--	--	--	--	--	40.0
Tractor	16	75.0	--	25.0	--	--	--	--	--	--
Water vehicle	3	--	--	--	--	--	--	--	--	--
<b>Structures and surfaces</b>	102	8.8	--	47.1	4.9	6.9	--	7.8	--	17.6
Floors, walkways, ground surfaces	94	9.6	--	44.7	5.3	6.4	--	8.5	--	18.1
Floors, walkways, ground surfaces, unspecified	11	--	--	45.5	--	--	--	--	--	36.4
Floors	33	--	--	36.4	--	--	--	24.2	--	18.2
Floor of building	32	--	--	34.4	--	--	--	25.0	--	18.8
Ground	42	16.7	--	52.4	7.1	7.1	--	--	--	9.5
Sidewalks, paths, outdoor walkways	3	--	--	--	--	--	--	--	--	--
Street, road	3	--	--	--	--	--	--	--	--	--
Other structural elements	6	--	--	66.7	--	--	--	--	--	--
Walls	3	--	--	100.0	--	--	--	--	--	--
<b>Machinery</b>	25	28.0	--	40.0	--	--	--	--	--	16.0
Agricultural and garden machinery	6	83.3	--	--	--	--	--	--	--	--
Other agricultural and garden machinery	3	100.0	--	--	--	--	--	--	--	--
Construction, logging, and mining machinery	12	--	--	66.7	--	--	--	--	--	--
Excavating machinery	5	--	--	80.0	--	--	--	--	--	--
Backhoes	3	--	--	--	--	--	--	--	--	--
Loaders	3	--	--	--	--	--	--	--	--	--
Road grading and surfacing machinery	3	--	--	100.0	--	--	--	--	--	--
Material handling machinery	3	--	--	--	--	--	--	--	--	--
Parts and materials	40	--	--	25.0	20.0	7.5	10.0	--	7.5	12.5
Building materials--solid elements	15	--	--	26.7	20.0	--	--	--	--	--
Pipes, ducts, tubing	6	--	--	--	--	--	--	--	--	--
Metal pipe, tubing	5	--	--	--	--	--	--	--	--	--
Structural metal materials	5	--	--	--	--	--	--	--	--	--
Fasteners, connectors, ropes, ties	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, California, 2001 - continued

Primary source and secondary source	Total fatalities (number)	Private Industry <sup>1</sup> (percent)								
		Agriculture, forestry, and fishing	Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Ropes, ties	8	--	--	--	--	--	--	--	--	--
Rope, twine, string	5	--	--	--	--	--	--	--	--	--
Machine, tool, and electric parts	14	--	--	35.7	28.6	--	--	--	--	--
Electric parts	13	--	--	38.5	30.8	--	--	--	--	--
Electrical wiring	8	--	--	37.5	37.5	--	--	--	--	--
Power lines, transformers, convertors	4	--	--	--	--	--	--	--	--	--
Persons, plants, animals, and minerals	15	--	--	20.0	33.3	--	--	--	--	20.0
Nonmetallic minerals, except fuel	3	--	--	--	--	--	--	--	--	--
Plants, trees, vegetation--not processed	8	--	--	--	37.5	--	--	--	--	--
Trees, logs	8	--	--	--	37.5	--	--	--	--	--
Chemicals and chemical products	13	--	--	--	23.1	--	--	--	--	23.1
Chemical products--general	7	--	--	--	--	--	--	--	--	--
Drugs, alcohol, medicines	7	--	--	--	--	--	--	--	--	42.9
Drugs--nonmedicinal	4	--	--	--	--	--	--	--	--	--
Other chemicals	4	--	--	--	--	--	--	--	--	--
Tools, instruments, and equipment	11	--	--	--	--	--	--	--	--	27.3
Handtools--nonpowered	5	--	--	--	--	--	--	--	--	--
Cutting handtools--nonpowered	4	--	--	--	--	--	--	--	--	--
Knives	3	--	--	--	--	--	--	--	--	--
Containers	7	--	--	--	--	--	--	--	--	--
Containers--nonpressurized	3	--	--	--	--	--	--	--	--	--
Other sources	83	4.8	--	--	--	7.2	3.6	36.1	--	21.7
Ammunition	68	--	--	--	--	7.4	--	41.2	--	20.6
Bullets	66	--	--	--	--	7.6	--	40.9	--	19.7
Atmospheric and environmental conditions	3	--	--	--	--	--	--	--	--	--
Fire, flame, smoke	3	--	--	--	--	--	--	--	--	--
Steam, vapors, liquids, n.e.c.	6	50.0	--	--	--	--	--	--	--	--
Liquids	6	50.0	--	--	--	--	--	--	--	--
Water	4	--	--	--	--	--	--	--	--	--
<b>Secondary source<sup>3</sup></b>										
Vehicles	93	30.1	--	7.5	5.4	23.7	8.6	--	--	9.7
Highway vehicle, motorized	74	20.3	--	9.5	5.4	28.4	10.8	--	--	9.5
Highway vehicle, unspecified	8	37.5	--	--	--	--	--	--	--	--
Automobile	6	--	--	--	--	--	--	--	--	--
Truck	54	18.5	--	13.0	5.6	29.6	9.3	--	--	7.4
Truck, unspecified	3	--	--	--	--	--	--	--	--	--
Pickup truck	11	36.4	--	--	--	--	--	--	--	--
Semitrailer, tractor trailer, trailer truck	27	18.5	--	14.8	--	48.1	--	--	--	--
Truck, n.e.c.	12	--	--	--	--	--	--	--	--	25.0
Van--passenger or light delivery	3	--	--	--	--	--	--	--	--	--
Plant and industrial powered vehicles, tractors	4	--	--	--	--	--	--	--	--	--
Forklift	3	--	--	--	--	--	--	--	--	--
Forklift, unspecified	3	--	--	--	--	--	--	--	--	--
Rail vehicle	11	81.8	--	--	--	--	--	--	--	--
Train	11	81.8	--	--	--	--	--	--	--	--
Structures and surfaces	76	--	--	36.8	5.3	18.4	--	--	--	19.7
Floors, walkways, ground surfaces	24	--	--	29.2	--	25.0	--	--	--	12.5
Floors	5	--	--	60.0	--	--	--	--	--	--

See footnotes at end of table.

TABLE A-10. Fatal occupational injuries by primary and secondary source of injury by major private industry division, California, 2001 - continued

Primary source and secondary source	Total fatalities (number)	Private Industry <sup>1</sup> (percent)								
		Agriculture, forestry, and fishing	Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Floor of building	5	--	--	60.0	--	--	--	--	--	--
Ground	9	--	--	--	--	44.4	--	--	--	--
Stairs, steps	5	--	--	--	--	--	--	--	--	--
Other floors, walkways, ground surfaces	4	--	--	--	--	--	--	--	--	--
Other structural elements	21	--	--	61.9	--	--	--	--	--	23.8
Roof	10	--	--	80.0	--	--	--	--	--	--
Skylights	5	--	--	--	--	--	--	--	--	--
Structural elements, n.e.c.	3	--	--	--	--	--	--	--	--	--
Structures	30	--	--	23.3	10.0	20.0	--	--	--	23.3
Buildings--office, plant, residential	3	--	--	--	--	--	--	--	--	--
Scaffolds, staging	8	--	--	--	37.5	--	--	--	--	--
Scaffolds--staging, unspecified	6	--	--	--	50.0	--	--	--	--	--
Towers, poles	6	--	--	--	--	--	--	--	--	--
Other structures	11	--	--	--	--	36.4	--	--	--	27.3
Guardrails, road dividers	9	--	--	--	--	33.3	--	--	--	33.3
Machinery	15	20.0	--	--	--	--	--	--	--	--
Material handling machinery	7	--	--	--	--	--	--	--	--	--
Cranes	3	--	--	--	--	--	--	--	--	--
Parts and materials	20	25.0	--	40.0	--	--	--	--	--	--
Building materials--solid elements	5	--	--	--	--	--	--	--	--	--
Machine, tool, and electric parts	11	36.4	--	54.5	--	--	--	--	--	--
Electric parts	11	36.4	--	54.5	--	--	--	--	--	--
Electrical wiring	3	--	--	100.0	--	--	--	--	--	--
Power lines, transformers, convertors	8	50.0	--	37.5	--	--	--	--	--	--
Vehicle and mobile equipment parts	4	--	--	--	--	--	--	--	--	--
Persons, plants, animals, and minerals	84	4.8	--	4.8	--	8.3	--	38.1	--	23.8
Person--other than injured or ill worker	74	--	--	--	--	8.1	--	41.9	--	24.3
Person--other than injured or ill worker, unspecified	24	--	--	--	--	12.5	--	45.8	--	16.7
Co-worker, former co-worker of injured or ill worker	9	--	--	--	--	--	--	--	--	44.4
Robber	25	--	--	--	--	--	--	72.0	--	20.0
Person--other than injured or ill worker, n.e.c.	13	--	--	--	--	--	--	--	--	30.8
Plants, trees, vegetation--not processed	8	--	--	37.5	--	--	--	--	--	--
Trees, logs	8	--	--	37.5	--	--	--	--	--	--
Chemicals and chemical products	4	--	--	--	--	--	--	--	--	--
Tools, instruments, and equipment	26	--	--	50.0	--	--	--	11.5	--	15.4
Ladders	21	--	--	61.9	--	--	--	14.3	--	--
Ladders, unspecified	11	--	--	54.5	--	--	--	--	--	--
Ladders--movable	9	--	--	66.7	--	--	--	--	--	--
Movable ladders, unspecified	5	--	--	60.0	--	--	--	--	--	--

See footnotes at end of table.

TABLE A-10. Fatal occupational injuries by primary and secondary source of injury by major private industry division, California, 2001 - continued

Primary source and secondary source	Total fatalities (number)	Private Industry <sup>1</sup> (percent)								
		Agriculture, forestry, and fishing	Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Extension ladders	3	--	--	100.0	--	--	--	--	--	--
Other tools, instruments, and equipment	4	--	--	--	--	--	--	--	--	--
Firearms	4	--	--	--	--	--	--	--	--	--
Pistol, handgun, revolver	3	--	--	--	--	--	--	--	--	--
Containers	4	--	--	--	--	--	--	--	--	--
Furniture and fixtures	5	--	--	--	--	--	--	--	--	60.0
Other sources	9	--	--	--	--	--	--	--	--	--
Atmospheric and environmental conditions	3	--	--	--	--	--	--	--	--	--
Steam, vapors, liquids, n.e.c.	6	--	--	--	--	--	--	--	--	--
Liquids	6	--	--	--	--	--	--	--	--	--
Water	6	--	--	--	--	--	--	--	--	--

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

<sup>2</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>3</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."

SOURCE: California Division of Labor Statistics and Research, in cooperation with the U.S. Bureau of Labor Statistics, Census of Fatal Occupational Injuries