

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury by major private industry sector, Texas, 2004

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.....	440	204	56	114	34	193	113	5	12	34	7	9	13
Primary Source³													
Chemicals and chemical products.....	7	--	--	--	--	5	--	--	--	--	--	--	--
Chemical products--general.....	5	--	--	--	--	5	--	--	--	--	--	--	--
Drugs, alcohol, medicines.....	4	--	--	--	--	4	--	--	--	--	--	--	--
Containers.....	10	7	--	--	4	--	--	--	--	--	--	--	--
Containers--nonpressurized.....	5	4	--	--	--	--	--	--	--	--	--	--	--
Containers--variable restraint.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Machinery.....	38	31	8	17	6	7	3	--	--	3	--	--	--
Agricultural and garden machinery.....	6	5	4	--	--	--	--	--	--	--	--	--	--
Mowing machinery.....	4	3	3	--	--	--	--	--	--	--	--	--	--
Construction, logging, and mining machinery.....	14	11	--	9	--	3	--	--	--	--	--	--	--
Excavating machinery.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Loaders.....	5	4	--	4	--	--	--	--	--	--	--	--	--
Front end loaders.....	4	3	--	3	--	--	--	--	--	--	--	--	--
Material handling machinery.....	15	14	3	8	--	--	--	--	--	--	--	--	--
Cranes.....	5	5	--	--	--	--	--	--	--	--	--	--	--
Elevators.....	6	5	--	5	--	--	--	--	--	--	--	--	--
Manlifts.....	4	4	--	4	--	--	--	--	--	--	--	--	--
Parts and materials.....	35	25	7	15	3	9	6	--	--	--	--	--	--
Building materials--solid elements.....	13	11	4	6	--	--	--	--	--	--	--	--	--
Bricks, blocks, structural stone.....	4	4	--	3	--	--	--	--	--	--	--	--	--
Pipes, ducts, tubing.....	6	6	4	--	--	--	--	--	--	--	--	--	--
Pipes, ducts, tubing, unspecified.....	3	3	--	--	--	--	--	--	--	--	--	--	--
Structural metal materials.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Machine, tool, and electric parts.....	17	13	--	9	--	3	--	--	--	--	--	--	--
Electric parts.....	15	11	--	8	--	3	--	--	--	--	--	--	--
Electrical wiring.....	11	8	--	6	--	--	--	--	--	--	--	--	--
Vehicle and mobile equipment parts.....	4	--	--	--	--	4	4	--	--	--	--	--	--
Tires, inner tubes, wheels.....	3	--	--	--	--	3	3	--	--	--	--	--	--
Persons, plants, animals, and minerals.....	11	6	5	--	--	4	--	--	--	3	--	--	--
Animals and animal products.....	5	4	4	--	--	--	--	--	--	--	--	--	--
Mammals, except humans.....	3	3	3	--	--	--	--	--	--	--	--	--	--
Plants, trees, vegetation--not processed.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Trees, logs.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Structures and surfaces.....	72	56	6	45	5	16	6	--	--	6	--	--	--
Floors, walkways, ground surfaces.....	63	48	5	39	4	15	5	--	--	6	--	--	--
Floors.....	23	20	--	16	3	3	--	--	--	--	--	--	--

See footnotes at end of table.

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury by major private industry sector, Texas, 2004 - 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
Floor of building.....	21	19	--	16	3	--	--	--	--	--	--	--	--
Ground.....	23	15	--	13	--	8	3	--	--	4	--	--	--
Sidewalks, paths, outdoor walkways.....	4	3	--	--	--	--	--	--	--	--	--	--	--
Surfaces below ground level, n.e.c.....	7	7	--	6	--	--	--	--	--	--	--	--	--
Ditches, channels, trenches, excavations.....	7	7	--	6	--	--	--	--	--	--	--	--	--
Structures.....	8	7	--	5	--	--	--	--	--	--	--	--	--
Scaffolds, staging.....	4	4	--	4	--	--	--	--	--	--	--	--	--
Scaffolds--staging, unspecified.....	4	4	--	4	--	--	--	--	--	--	--	--	--
Tools, instruments, and equipment.....	5	--	--	--	--	4	--	--	--	--	--	--	--
Handtools--nonpowered.....	5	--	--	--	--	4	--	--	--	--	--	--	--
Cutting handtools--nonpowered.....	3	--	--	--	--	3	--	--	--	--	--	--	--
Knives.....	3	--	--	--	--	3	--	--	--	--	--	--	--
Vehicles.....	199	61	24	29	8	106	76	3	3	12	5	4	3
Air vehicle.....	28	11	8	--	--	8	5	--	--	--	3	--	--
Aircraft--powered fixed wing.....	8	--	--	--	--	5	3	--	--	--	--	--	--
Propeller-driven aircraft.....	8	--	--	--	--	5	3	--	--	--	--	--	--
Aircraft--powered rotary wing.....	20	8	7	--	--	--	--	--	--	--	--	--	--
Helicopter.....	20	8	7	--	--	--	--	--	--	--	--	--	--
Highway vehicle, motorized.....	147	38	8	26	4	89	64	3	--	12	--	4	--
Automobile.....	33	4	--	--	--	17	6	--	--	4	--	--	--
Truck.....	102	31	6	22	3	66	54	--	--	8	--	--	--
Dump truck.....	6	3	--	3	--	3	--	--	--	--	--	--	--
Pickup truck.....	36	25	5	18	--	11	5	--	--	--	--	--	--
Semitrailer, tractor trailer, trailer truck.....	48	3	--	--	--	43	40	--	--	3	--	--	--
Truck, n.e.c.....	10	--	--	--	--	7	5	--	--	--	--	--	--
Van--passenger or light delivery.....	9	--	--	--	--	5	3	--	--	--	--	--	--
Offroad vehicle, nonindustrial.....	5	4	3	--	--	--	--	--	--	--	--	--	--
All terrain vehicle (ATV).....	5	4	3	--	--	--	--	--	--	--	--	--	--
Plant and industrial powered vehicles, tractors.....	9	4	--	--	--	5	4	--	--	--	--	--	--
Forklift.....	8	3	--	--	--	5	4	--	--	--	--	--	--
Forklift, unspecified.....	7	--	--	--	--	5	4	--	--	--	--	--	--
Rail vehicle.....	4	--	--	--	--	4	3	--	--	--	--	--	--
Train.....	4	--	--	--	--	4	3	--	--	--	--	--	--
Water vehicle.....	6	4	3	--	--	--	--	--	--	--	--	--	--
Motorboat, yachts.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Other sources.....	61	14	4	3	7	39	15	--	6	6	--	5	6
Ammunition.....	38	--	--	--	--	31	14	--	5	--	--	4	5
Bullets.....	38	--	--	--	--	31	14	--	5	--	--	4	5
Atmospheric and environmental conditions.....	9	3	--	--	--	4	--	--	--	3	--	--	--

See footnotes at end of table.

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury by major private industry sector, Texas, 2004 - 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
Fire, flame, smoke.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Fire, flame.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Temperature extremes--environmental.....	5	--	--	--	--	3	--	--	--	3	--	--	--
Heat--environmental.....	5	--	--	--	--	3	--	--	--	3	--	--	--
Steam, vapors, liquids, n.e.c.....	6	3	--	--	--	--	--	--	--	--	--	--	--
Liquids.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Water.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Other sources, n.e.c.....	8	6	3	--	--	--	--	--	--	--	--	--	--
Secondary Source⁴													
Chemicals and chemical products.....	3	3	--	--	--	--	--	--	--	--	--	--	--
Containers.....	16	9	--	5	--	5	3	--	--	--	--	--	--
Containers--nonpressurized.....	8	--	--	--	--	4	--	--	--	--	--	--	--
Tanks, bins, vats.....	6	--	--	--	--	3	--	--	--	--	--	--	--
Containers--pressurized.....	7	6	--	--	--	--	--	--	--	--	--	--	--
Pressure lines, except hoses.....	7	6	--	--	--	--	--	--	--	--	--	--	--
Machinery.....	27	18	3	10	5	9	6	--	--	--	--	--	--
Material handling machinery.....	22	14	--	9	3	8	6	--	--	--	--	--	--
Cranes.....	4	3	--	--	--	--	--	--	--	--	--	--	--
Cranes, unspecified.....	3	3	--	--	--	--	--	--	--	--	--	--	--
Elevators.....	8	7	--	6	--	--	--	--	--	--	--	--	--
Manlifts.....	5	5	--	4	--	--	--	--	--	--	--	--	--
Jacks.....	7	--	--	--	--	6	4	--	--	--	--	--	--
Jacks, unspecified.....	5	--	--	--	--	4	3	--	--	--	--	--	--
Parts and materials.....	20	12	4	6	--	8	3	--	--	3	--	--	--
Building materials--solid elements.....	4	3	--	--	--	--	--	--	--	--	--	--	--
Wood, lumber.....	3	3	--	--	--	--	--	--	--	--	--	--	--
Machine, tool, and electric parts.....	13	9	3	4	--	4	--	--	--	--	--	--	--
Electric parts.....	13	9	3	4	--	4	--	--	--	--	--	--	--
Power lines, transformers, convertors.....	11	7	--	3	--	4	--	--	--	--	--	--	--
Persons, plants, animals, and minerals.....	41	--	--	--	--	34	15	--	6	3	--	3	5
Person--other than injured or ill worker.....	36	--	--	--	--	30	14	--	6	--	--	3	5
Person--other than injured or ill worker, unspecified.....	3	--	--	--	--	3	--	--	--	--	--	--	--
Relative of injured or ill worker.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Robber.....	21	--	--	--	--	20	13	--	4	--	--	--	--
Person--other than injured or ill worker, n.e.c.....	8	--	--	--	--	4	--	--	--	--	--	--	--
Plants, trees, vegetation--not processed.....	3	--	--	--	--	3	--	--	--	--	--	--	--
Trees, logs.....	3	--	--	--	--	3	--	--	--	--	--	--	--

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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
Structures and surfaces.....	76	41	8	30	3	24	19	--	--	--	--	--	--
Floors, walkways, ground surfaces.....	18	9	--	7	--	7	4	--	--	--	--	--	--
Floors.....	3	3	--	--	--	--	--	--	--	--	--	--	--
Street, road.....	5	--	--	--	--	--	--	--	--	--	--	--	--
Surfaces below ground level, n.e.c.....	4	3	--	3	--	--	--	--	--	--	--	--	--
Other structural elements.....	17	14	--	14	--	3	--	--	--	--	--	--	--
Roof.....	10	9	--	9	--	--	--	--	--	--	--	--	--
Structures.....	41	18	7	9	--	14	13	--	--	--	--	--	--
Buildings--office, plant, residential.....	4	3	--	--	--	--	--	--	--	--	--	--	--
Scaffolds, staging.....	8	7	--	6	--	--	--	--	--	--	--	--	--
Scaffolds--staging, unspecified.....	8	7	--	6	--	--	--	--	--	--	--	--	--
Towers, poles.....	15	3	3	--	--	4	4	--	--	--	--	--	--
Other structures.....	9	3	--	--	--	5	5	--	--	--	--	--	--
Guardrails, road dividers.....	8	3	--	--	--	5	5	--	--	--	--	--	--
Tools, instruments, and equipment.....	16	8	--	6	--	8	--	--	--	--	--	--	--
Ladders.....	8	6	--	5	--	--	--	--	--	--	--	--	--
Ladders, unspecified.....	6	4	--	4	--	--	--	--	--	--	--	--	--
Other tools, instruments, and equipment.....	5	--	--	--	--	4	--	--	--	--	--	--	--
Firearms.....	5	--	--	--	--	4	--	--	--	--	--	--	--
Vehicles.....	95	28	7	16	5	53	39	--	--	6	--	4	--
Highway vehicle, motorized.....	83	25	7	14	4	44	31	--	--	6	--	4	--
Automobile.....	16	3	--	--	--	9	6	--	--	--	--	--	--
Truck.....	64	22	6	13	3	32	24	--	--	5	--	--	--
Truck, unspecified.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Dump truck.....	3	--	--	--	--	3	--	--	--	--	--	--	--
Pickup truck.....	21	10	3	6	--	7	4	--	--	--	--	--	--
Semitrailer, tractor trailer, trailer truck.....	29	9	3	5	--	17	14	--	--	--	--	--	--
Truck, n.e.c.....	8	3	--	--	--	3	--	--	--	--	--	--	--
Plant and industrial powered vehicles, tractors.....	5	3	--	--	--	--	--	--	--	--	--	--	--
Forklift.....	4	3	--	--	--	--	--	--	--	--	--	--	--

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Primary source and secondary source	Total fatalities (number)	Goods producing				Service providing							
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Forklift, unspecified.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Rail vehicle.....	5	--	--	--	--	5	4	--	--	--	--	--	--
Train.....	5	--	--	--	--	5	4	--	--	--	--	--	--
Other sources.....	23	15	10	4	--	5	--	--	--	--	--	--	--
Atmospheric and environmental conditions.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Weather and atmospheric conditions.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Rain.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Steam, vapors, liquids, n.e.c.....	17	12	10	--	--	--	--	--	--	--	--	--	--
Liquids.....	17	12	10	--	--	--	--	--	--	--	--	--	--
Water.....	17	12	10	--	--	--	--	--	--	--	--	--	--

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 of injury identifies the object, substance, or exposure that directly produced or inflicted the injury. For most transportation incidents, the primary source identifies the vehicle in which the deceased was an occupant. For most falls, the primary source identifies the surface or object contacted.

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. For most falls, the secondary source identifies the equipment or surface from which the worker fell.

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 2004 are preliminary.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State and Federal agencies, Census of Fatal Occupational Injuries