

TABLE A-1. Fatal occupational injuries by industry and event or exposure, Texas, 2018

Industry ¹	NAICS code ¹	Total fatal injuries (number)	Event or exposure ²					
			Violence and other injuries by persons or animals ³	Transportation incidents ⁴	Fires and explosions	Falls, slips, trips	Exposure to harmful substances or environments	Contact with objects and equipment
Total		488	71	223	20	71	43	58
Private industry		454	60	209	19	68	41	57
Goods producing		198	12	73	10	42	29	32
Natural resources and mining		73	3	39	3	7	8	13
Agriculture, forestry, fishing and hunting		24	--	9	--	3	5	5
Crop production	111	8	--	3	--	--	--	--
Greenhouse, nursery, and floriculture production	1114	1	--	--	--	--	--	--
Nursery and floriculture production	11142	1	--	--	--	--	--	--
Other crop farming	1119	3	--	--	--	--	--	--
Hay farming	11194	1	--	--	--	--	--	--
Animal production and aquaculture	112	11	--	4	--	--	3	--
Cattle ranching and farming	1121	10	--	4	--	--	3	--
Beef cattle ranching and farming, including feedlots	11211	9	--	4	--	--	3	--
Beef cattle ranching and farming	112111	7	--	3	--	--	--	--
Fishing, hunting and trapping	114	1	--	1	--	--	--	--
Fishing	1141	1	--	1	--	--	--	--
Fishing	11411	1	--	1	--	--	--	--
Shellfish fishing	114112	1	--	1	--	--	--	--
Support activities for agriculture and forestry	115	4	--	--	--	--	--	--
Support activities for crop production	1151	3	--	--	--	--	--	--
Support activities for crop production	11511	3	--	--	--	--	--	--
Mining⁵		49	--	30	3	4	3	8
Oil and gas extraction	211	9	--	8	--	--	--	--
Oil and gas extraction	2111	9	--	8	--	--	--	--
Oil and gas extraction	21111	9	--	8	--	--	--	--
Crude petroleum and natural gas extraction	211111	8	--	8	--	--	--	--
Mining (except oil and gas)	212	--	--	--	--	--	--	--
Nonmetallic mineral mining and quarrying	2123	--	--	--	--	--	--	--

Sand, gravel, clay, and ceramic and refractory minerals mining and quarrying	21232	--	--	--	--	--	--	--
Construction sand and gravel mining	212321	1	--	1	--	--	--	--
Support activities for mining	213	38	--	20	--	4	3	8
Support activities for mining	2131	38	--	20	--	4	3	8
Support activities for mining	21311	38	--	20	--	4	3	8
Drilling oil and gas wells	213111	3	--	--	--	--	--	--
Support activities for oil and gas operations	213112	35	--	18	--	4	--	8
Construction		107	7	25	6	35	20	14
Construction		107	7	25	6	35	20	14
Construction of buildings	236	19	--	5	--	7	3	--
Residential building construction	2361	10	--	--	--	4	--	--
Residential building construction	23611	10	--	--	--	4	--	--
New single-family housing construction (except for-sale builders)	236115	4	--	--	--	--	--	1
Residential remodelers	236118	6	--	--	--	3	--	--
Nonresidential building construction	2362	9	--	4	--	3	--	--
Industrial building construction	23621	3	--	--	--	--	--	--
Commercial and institutional building construction	23622	6	--	--	--	3	--	--
Heavy and civil engineering construction	237	21	--	7	--	--	8	3
Utility system construction	2371	16	--	4	--	--	7	--
Water and sewer line and related structures construction	23711	5	--	--	--	--	--	--
Oil and gas pipeline and related structures construction	23712	5	--	--	--	--	--	--
Power and communication line and related structures construction	23713	6	--	--	--	--	6	--
Highway, street, and bridge construction	2373	3	--	--	--	--	1	--
Highway, street, and bridge construction	23731	3	--	--	--	--	1	--
Specialty trade contractors	238	67	4	13	--	28	9	9
Foundation, structure, and building exterior contractors	2381	27	--	5	--	13	3	5
Poured concrete foundation and structure contractors	23811	3	--	--	--	--	--	--
Structural steel and precast concrete contractors	23812	3	--	--	--	--	--	--
Nonresidential structural steel and precast concrete contractors	238122	--	--	--	--	--	--	1
Framing contractors	23813	1	--	--	--	1	--	--
Masonry contractors	23814	4	--	--	--	--	1	--
Roofing contractors	23816	12	--	--	--	9	--	--
Residential roofing contractors	238161	4	--	--	--	3	--	--
Nonresidential roofing contractors	238162	1	--	--	--	1	--	--
Other foundation, structure, and building exterior contractors	23819	3	--	--	--	--	--	--
Building equipment contractors	2382	20	--	4	--	7	5	--
Electrical contractors	23821	4	--	--	--	--	--	--
Nonresidential electrical contractors	238212	1	--	--	--	--	--	--
Plumbing, heating, and air-conditioning contractors	23822	12	--	3	--	7	--	--
Residential plumbing, heating, and air-conditioning contractors	238221	3	--	--	--	--	--	--
Nonresidential plumbing, heating, and air-conditioning contractors	238222	3	--	--	--	--	--	--

Other building equipment contractors	23829	4	--	--	--	--	--	--
Building finishing contractors	2383	12	--	--	--	6	--	--
Drywall and insulation contractors	23831	5	--	--	--	3	--	--
Painting and wall covering contractors	23832	3	--	--	--	--	--	--
Other specialty trade contractors	2389	8	3	--	--	--	--	--
Site preparation contractors	23891	4	--	--	--	--	--	--
All other specialty trade contractors	23899	4	--	--	--	--	--	--
Manufacturing		18	--	9	--	--	--	5
Manufacturing		18	--	9	--	--	--	5
Food manufacturing	311	2	--	1	--	--	--	1
Animal food manufacturing	3111	2	--	1	--	--	--	1
Animal food manufacturing	31111	2	--	1	--	--	--	1
Dog and cat food manufacturing	311111	1	--	1	--	--	--	--
Wood product manufacturing	321	3	--	--	--	--	--	--
Other wood product manufacturing	3219	3	--	--	--	--	--	--
Nonmetallic mineral product manufacturing	327	3	--	--	--	--	--	--
Fabricated metal product manufacturing	332	5	--	--	--	--	--	--
Transportation equipment manufacturing	336	1	--	1	--	--	--	--
Railroad rolling stock manufacturing	3365	1	--	1	--	--	--	--
Railroad rolling stock manufacturing	33651	1	--	1	--	--	--	--
Service providing		256	48	136	9	26	12	25
Trade, transportation, and utilities		164	22	109	4	13	--	14
Wholesale trade		20	--	12	--	--	--	3
Merchant wholesalers, durable goods	423	13	--	8	--	--	--	--
Motor vehicle and motor vehicle parts and supplies merchant wholesalers	4231	4	--	--	--	--	--	--
Machinery, equipment, and supplies merchant wholesalers	4238	1	1	--	--	--	--	--
Industrial machinery and equipment merchant wholesalers	42383	1	1	--	--	--	--	--
Merchant wholesalers, nondurable goods	424	6	--	3	--	--	--	--
Retail trade		28	16	6	--	4	--	--
Motor vehicle and parts dealers	441	8	--	3	--	--	--	--
Automotive parts, accessories, and tire stores	4413	5	--	--	--	--	--	--
Automotive parts and accessories stores	44131	5	--	--	--	--	--	--
Furniture and home furnishings stores	442	4	3	--	--	--	--	--
Furniture stores	4421	4	3	--	--	--	--	--
Furniture stores	44211	4	3	--	--	--	--	--
Building material and garden equipment and supplies dealers	444	3	--	--	--	--	--	--
Building material and supplies dealers	4441	3	--	--	--	--	--	--
Food and beverage stores	445	4	4	--	--	--	--	--

Grocery stores	4451	4	4	--	--	--	--	--
Convenience stores	44512	4	4	--	--	--	--	--
Gasoline stations	447	5	5	--	--	--	--	--
Gasoline stations	4471	5	5	--	--	--	--	--
Gasoline stations with convenience stores	44711	5	5	--	--	--	--	--
Transportation and warehousing		115	4	91	--	8	--	9
Air transportation	481	1	--	1	--	--	--	--
Nonscheduled air transportation	4812	1	--	1	--	--	--	--
Nonscheduled air transportation	48121	1	--	1	--	--	--	--
Nonscheduled chartered passenger air transportation	481211	1	--	1	--	--	--	--
Truck transportation	484	89	--	76	--	3	--	7
General freight trucking	4841	50	--	41	--	--	--	5
General freight trucking, local	48411	13	--	9	--	--	--	--
General freight trucking, long-distance	48412	34	--	31	--	--	--	--
General freight trucking, long-distance, truckload	484121	17	--	15	--	--	--	--
General freight trucking, long-distance, less than truckload	484122	8	--	7	--	--	--	--
Specialized freight trucking	4842	39	--	35	--	--	--	--
Specialized freight (except used goods) trucking, local	48422	21	--	20	--	--	--	--
Specialized freight (except used goods) trucking, long-distance	48423	18	--	15	--	--	--	--
Transit and ground passenger transportation	485	4	1	--	--	--	--	--
Taxi and limousine service	4853	--	1	--	--	--	--	--
Taxi service	48531	--	1	--	--	--	--	--
Support activities for transportation	488	13	--	9	--	--	--	--
Support activities for water transportation	4883	3	--	--	--	--	--	--
Marine cargo handling	48832	3	--	--	--	--	--	--
Support activities for road transportation	4884	4	--	4	--	--	--	--
Motor vehicle towing	48841	4	--	4	--	--	--	--
Other support activities for transportation	4889	3	--	3	--	--	--	--
Other support activities for transportation	48899	3	--	3	--	--	--	--
Financial activities		4	2	--	--	--	--	--
Finance and insurance		1	1	--	--	--	--	--
Securities, commodity contracts, and other financial investments and related activities	523	1	1	--	--	--	--	--
Other financial investment activities	5239	1	1	--	--	--	--	--
Portfolio management	52392	1	1	--	--	--	--	--
Real estate and rental and leasing		3	1	--	--	--	--	--
Real estate	531	1	1	--	--	--	--	--
Lessors of real estate	5311	1	1	--	--	--	--	--
Lessors of residential buildings and dwellings	53111	1	1	--	--	--	--	--
Professional and business services		44	8	17	--	4	6	7

Professional and technical services		13	--	8	--	--	--	--
Professional, scientific, and technical services	541	13	--	8	--	--	--	--
Architectural, engineering, and related services	5413	7	--	5	--	--	--	--
Engineering services	54133	3	--	--	--	--	--	--
Administrative and waste services		31	6	9	--	3	4	7
Administrative and support services	561	27	6	7	--	3	3	7
Employment services	5613	7	--	3	--	--	--	4
Temporary help services	56132	6	--	3	--	--	--	3
Investigation and security services	5616	7	4	--	--	--	--	--
Investigation, guard, and armored car services	56161	6	4	--	--	--	--	--
Security guards and patrol services	561612	5	4	--	--	--	--	--
Services to buildings and dwellings	5617	12	1	3	--	--	3	3
Landscaping services	56173	10	1	--	--	--	--	3
Other support services	5619	1	--	--	--	--	--	--
Convention and trade show organizers	56192	1	--	--	--	--	--	--
Waste management and remediation services	562	4	--	--	--	--	--	--
Educational and health services		12	--	5	--	3	--	--
Educational services		4	--	--	--	--	--	--
Educational services	611	4	--	--	--	--	--	--
Health care and social assistance		8	--	3	--	--	--	--
Ambulatory health care services	621	5	--	3	--	--	--	--
Offices of physicians	6211	1	--	--	--	--	--	--
Offices of physicians	62111	1	--	--	--	--	--	--
Social assistance	624	1	1	--	--	--	--	--
Individual and family services	6241	1	1	--	--	--	--	--
Services for the elderly and persons with disabilities	62412	1	1	--	--	--	--	--
Leisure and hospitality		15	7	--	--	4	--	--
Arts, entertainment, and recreation		--	--	--	--	--	--	--
Amusement, gambling, and recreation industries	713	--	--	--	--	--	--	--
Other amusement and recreation industries	7139	--	--	--	--	--	--	--
Fitness and recreational sports centers	71394	1	--	--	--	--	--	--
Accommodation and food services		13	6	--	--	3	--	--
Food services and drinking places	722	11	5	--	--	3	--	--

Drinking places (alcoholic beverages)	7224	3	3	--	--	--	--	--
Drinking places (alcoholic beverages)	72241	3	3	--	--	--	--	--
Restaurants and other eating places	7225	8	--	--	--	3	--	--
Restaurants and other eating places	72251	8	--	--	--	3	--	--
Full-service restaurants	722511	5	--	--	--	--	--	--
Limited-service restaurants	722513	3	--	--	--	--	--	--
Other services, except public administration		16	6	3	--	--	--	4
Other services, except public administration		16	6	3	--	--	--	4
Repair and maintenance	811	15	6	--	--	--	--	4
Automotive repair and maintenance	8111	11	4	--	--	--	--	3
Automotive mechanical and electrical repair and maintenance	81111	7	--	--	--	--	--	--
General automotive repair	811111	7	--	--	--	--	--	--
Other automotive repair and maintenance	811119	3	--	--	--	--	--	--
Personal and household goods repair and maintenance	8114	--	--	--	--	--	--	--
Home and garden equipment and appliance repair and maintenance	81141	1	--	--	--	--	--	--
Home and garden equipment repair and maintenance	811411	1	--	--	--	--	--	--
Government⁶		34	11	14	--	3	--	--
Federal government		5	--	3	--	--	--	--
Service providing		5	--	3	--	--	--	--
Public administration		3	--	2	--	--	--	--
Public administration		3	--	2	--	--	--	--
National security and international affairs	928	3	--	2	--	--	--	--
National security and international affairs	9281	3	--	2	--	--	--	--
National security	92811	3	--	2	--	--	--	--
State government		5	--	3	--	--	--	--
Service providing		5	--	3	--	--	--	--
Public administration		3	--	--	--	--	--	--
Public administration		3	--	--	--	--	--	--
Administration of environmental quality programs	924	1	--	--	--	--	--	--
Administration of environmental quality programs	9241	1	--	--	--	--	--	--
Administration of air and water resource and solid waste management programs	92411	1	--	--	--	--	--	--
Local government		23	8	7	--	3	--	--

Service providing		23	8	7	--	3	--	--
Educational and health services		6	--	--	--	--	--	--
Educational services		6	--	--	--	--	--	--
Educational services	611	6	--	--	--	--	--	--
Elementary and secondary schools	6111	6	--	--	--	--	--	--
Elementary and secondary schools	61111	6	--	--	--	--	--	--
Public administration		15	5	7	--	--	--	--
Public administration		15	5	7	--	--	--	--
Executive, legislative, and other general government support	921	3	--	--	--	--	--	--
Executive, legislative, and other general government support	9211	3	--	--	--	--	--	--
Justice, public order, and safety activities	922	11	3	6	--	--	--	--
Justice, public order, and safety activities	9221	11	3	6	--	--	--	--
Police protection	92212	8	3	4	--	--	--	--
Fire protection	92216	3	--	--	--	--	--	--

¹ CFOI has used several versions of the North American Industry Classification System (NAICS) since 2003 to define industry. For more information on the version of NAICS used in this year, see our definitions page at <http://www.bls.gov/iif/oshcdef.htm>.

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

³ Includes violence by persons, self-inflicted injury, and attacks by animals.

⁴ Includes roadway, nonroadway, air, water, rail fatal occupational injuries, and fatal occupational injuries resulting from being struck by a vehicle.

⁵ 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.

⁶ Includes fatal injuries to workers employed by governmental organizations regardless of industry.

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. 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, December 16, 2019

TABLE A-2. Fatal occupational injuries resulting from transportation incidents and homicides, Texas, 2018

Industry ¹	Total fatal injuries (number)	Transportation incidents ²				Homicides ²	
		Total	Roadway incidents involving motorized land vehicle	Nonroadway incidents involving motorized land vehicles	Pedestrian vehicular incidents	Total	Shooting by other person--intentional
Total	488	223	166	13	25	40	36
Private industry	454	209	157	12	23	34	30
Goods producing	198	73	51	7	9	4	3
Natural resources and mining	73	39	29	3	3	--	--
Agriculture, forestry, fishing and hunting	24	9	--	--	3	--	--
Crop production	8	3	--	--	--	--	--
Greenhouse, nursery, and floriculture production	1	--	--	--	--	--	--
Nursery and floriculture production	1	--	--	--	--	--	--
Other crop farming	3	--	--	--	--	--	--
Hay farming	1	--	--	--	--	--	--
Animal production and aquaculture	11	4	--	--	--	--	--
Cattle ranching and farming	10	4	--	--	--	--	--
Beef cattle ranching and farming, including feedlots	9	4	--	--	--	--	--
Beef cattle ranching and farming	7	3	--	--	--	--	--
Fishing, hunting and trapping	1	1	--	--	--	--	--
Fishing	1	1	--	--	--	--	--
Fishing	1	1	--	--	--	--	--
Shellfish fishing	1	1	--	--	--	--	--
Support activities for agriculture and forestry	4	--	--	--	--	--	--
Support activities for crop production	3	--	--	--	--	--	--
Support activities for crop production	3	--	--	--	--	--	--
Mining³	49	30	28	1	--	--	--
Oil and gas extraction	9	8	8	--	--	--	--
Oil and gas extraction	9	8	8	--	--	--	--
Oil and gas extraction	9	8	8	--	--	--	--
Crude petroleum and natural gas extraction	8	8	8	--	--	--	--
Mining (except oil and gas)	--	--	--	1	--	--	--

Nonmetallic mineral mining and quarrying	--	--	--	1	--	--	--
Sand, gravel, clay, and ceramic and refractory minerals mining and quarrying	--	--	--	1	--	--	--
Construction sand and gravel mining	1	1	--	1	--	--	--
Support activities for mining	38	20	20	--	--	--	--
Support activities for mining	38	20	20	--	--	--	--
Support activities for mining	38	20	20	--	--	--	--
Drilling oil and gas wells	3	--	--	--	--	--	--
Support activities for oil and gas operations	35	18	18	--	--	--	--
Construction	107	25	18	3	3	3	--
Construction	107	25	18	3	3	3	--
Construction of buildings	19	5	3	--	--	--	--
Residential building construction	10	--	--	--	--	--	--
Residential building construction	10	--	--	--	--	--	--
New single-family housing construction (except for-sale builders)	4	--	--	--	--	--	--
Residential remodelers	6	--	--	--	--	--	--
Nonresidential building construction	9	4	--	--	--	--	--
Industrial building construction	3	--	--	--	--	--	--
Commercial and institutional building construction	6	--	--	1	--	--	--
Heavy and civil engineering construction	21	7	6	--	--	--	--
Utility system construction	16	4	4	--	--	--	--
Water and sewer line and related structures construction	5	--	--	--	--	--	--
Oil and gas pipeline and related structures construction	5	--	--	--	--	--	--
Power and communication line and related structures construction	6	--	--	--	--	--	--
Highway, street, and bridge construction	3	--	--	--	--	--	--
Highway, street, and bridge construction	3	--	--	--	--	--	--
Specialty trade contractors	67	13	9	--	--	--	--
Foundation, structure, and building exterior contractors	27	5	3	--	--	--	--
Poured concrete foundation and structure contractors	3	--	--	--	--	--	--
Structural steel and precast concrete contractors	3	--	--	--	--	--	--
Framing contractors	1	--	--	--	--	--	--
Masonry contractors	4	--	--	--	--	--	--
Roofing contractors	12	--	--	--	--	--	--
Residential roofing contractors	4	--	--	--	--	--	--
Nonresidential roofing contractors	1	--	--	--	--	--	--
Other foundation, structure, and building exterior contractors	3	--	--	--	--	--	--
Building equipment contractors	20	4	4	--	--	--	--
Electrical contractors	4	--	--	--	--	--	--
Nonresidential electrical contractors	1	--	--	--	--	--	--
Plumbing, heating, and air-conditioning contractors	12	3	3	--	--	--	--
Residential plumbing, heating, and air-conditioning contractors	3	--	--	--	--	--	--
Nonresidential plumbing, heating, and air-conditioning contractors	3	--	--	--	--	--	--
Other building equipment contractors	4	--	--	--	--	--	--

Building finishing contractors	12	--	--	--	--	--	--
Drywall and insulation contractors	5	--	--	--	--	--	--
Painting and wall covering contractors	3	--	--	--	--	--	--
Other specialty trade contractors	8	--	--	--	--	--	--
Site preparation contractors	4	--	--	--	--	--	--
All other specialty trade contractors	4	--	--	--	--	--	--
Manufacturing	18	9	4	--	3	--	--
Manufacturing	18	9	4	--	3	--	--
Food manufacturing	2	1	--	--	1	--	--
Animal food manufacturing	2	1	--	--	1	--	--
Animal food manufacturing	2	1	--	--	1	--	--
Dog and cat food manufacturing	1	1	--	--	1	--	--
Wood product manufacturing	3	--	--	--	--	--	--
Other wood product manufacturing	3	--	--	--	--	--	--
Nonmetallic mineral product manufacturing	3	--	--	--	--	--	--
Fabricated metal product manufacturing	5	--	--	--	--	--	--
Transportation equipment manufacturing	1	1	--	--	--	--	--
Railroad rolling stock manufacturing	1	1	--	--	--	--	--
Railroad rolling stock manufacturing	1	1	--	--	--	--	--
Service providing	256	136	106	5	14	30	27
Trade, transportation, and utilities	164	109	88	3	11	17	16
Wholesale trade	20	12	10	--	--	--	--
Merchant wholesalers, durable goods	13	8	7	--	--	--	--
Motor vehicle and motor vehicle parts and supplies merchant wholesalers	4	--	--	--	--	--	--
Machinery, equipment, and supplies merchant wholesalers	1	--	--	--	--	--	--
Industrial machinery and equipment merchant wholesalers	1	--	--	--	--	--	--
Merchant wholesalers, nondurable goods	6	3	3	--	--	--	--
Retail trade	28	6	4	--	--	14	13
Motor vehicle and parts dealers	8	3	--	--	--	--	--
Automotive parts, accessories, and tire stores	5	--	--	--	--	--	--
Automotive parts and accessories stores	5	--	--	--	--	--	--
Furniture and home furnishings stores	4	--	--	--	--	--	--
Furniture stores	4	--	--	--	--	--	--
Furniture stores	4	--	--	--	--	--	--
Building material and garden equipment and supplies dealers	3	--	--	--	--	--	--
Building material and supplies dealers	3	--	--	--	--	--	--
Food and beverage stores	4	--	--	--	--	4	4
Grocery stores	4	--	--	--	--	4	4

Convenience stores	4	--	--	--	--	4	4
Gasoline stations	5	--	--	--	--	5	5
Gasoline stations	5	--	--	--	--	5	5
Gasoline stations with convenience stores	5	--	--	--	--	5	5
Transportation and warehousing	115	91	74	--	8	--	--
Air transportation	1	1	--	--	--	--	--
Nonscheduled air transportation	1	1	--	--	--	--	--
Nonscheduled air transportation	1	1	--	--	--	--	--
Nonscheduled chartered passenger air transportation	1	1	--	--	--	--	--
Truck transportation	89	76	69	--	3	--	--
General freight trucking	50	41	39	--	--	--	--
General freight trucking, local	13	9	7	--	--	--	--
General freight trucking, long-distance	34	31	31	--	--	--	--
General freight trucking, long-distance, truckload	17	15	15	--	--	--	--
General freight trucking, long-distance, less than truckload	8	7	7	--	--	--	--
Specialized freight trucking	39	35	30	1	--	--	--
Specialized freight (except used goods) trucking, local	21	20	16	1	--	--	--
Specialized freight (except used goods) trucking, long-distance	18	15	14	--	--	--	--
Transit and ground passenger transportation	4	--	--	--	--	1	1
Taxi and limousine service	--	--	--	--	--	1	1
Taxi service	--	--	--	--	--	1	1
Support activities for transportation	13	9	--	--	4	--	--
Support activities for water transportation	3	--	--	--	--	--	--
Marine cargo handling	3	--	--	--	--	--	--
Support activities for road transportation	4	4	--	--	3	--	--
Motor vehicle towing	4	4	--	--	3	--	--
Other support activities for transportation	3	3	--	--	--	--	--
Other support activities for transportation	3	3	--	--	--	--	--
Financial activities	4	--	--	--	--	1	1
Finance and insurance	1	--	--	--	--	--	--
Securities, commodity contracts, and other financial investments and related activities	1	--	--	--	--	--	--
Other financial investment activities	1	--	--	--	--	--	--
Portfolio management	1	--	--	--	--	--	--
Real estate and rental and leasing	3	--	--	--	--	1	1
Real estate	1	--	--	--	--	1	1
Lessors of real estate	1	--	--	--	--	1	1
Lessors of residential buildings and dwellings	1	--	--	--	--	1	1
Professional and business services	44	17	10	--	3	4	4

Professional and technical services	13	8	4	--	--	--	--
Professional, scientific, and technical services	13	8	4	--	--	--	--
Architectural, engineering, and related services	7	5	--	--	--	--	--
Engineering services	3	--	--	--	--	--	--
Administrative and waste services	31	9	6	--	--	4	4
Administrative and support services	27	7	5	--	--	4	4
Employment services	7	3	3	--	--	--	--
Temporary help services	6	3	3	--	--	--	--
Investigation and security services	7	--	--	--	--	3	3
Investigation, guard, and armored car services	6	--	--	--	--	3	3
Security guards and patrol services	5	--	--	--	--	3	3
Services to buildings and dwellings	12	3	--	--	--	1	1
Landscaping services	10	--	--	--	--	1	1
Other support services	1	--	--	--	--	--	--
Convention and trade show organizers	1	--	--	--	--	--	--
Waste management and remediation services	4	--	--	--	--	--	--
Educational and health services	12	5	3	--	--	1	1
Educational services	4	--	--	--	--	--	--
Educational services	4	--	--	--	--	--	--
Health care and social assistance	8	3	3	--	--	1	1
Ambulatory health care services	5	3	3	--	--	--	--
Offices of physicians	1	--	--	--	--	--	--
Offices of physicians	1	--	--	--	--	--	--
Social assistance	1	--	--	--	--	1	1
Individual and family services	1	--	--	--	--	1	1
Services for the elderly and persons with disabilities	1	--	--	--	--	1	1
Leisure and hospitality	15	--	--	--	--	5	4
Arts, entertainment, and recreation	--	--	--	--	--	--	--
Amusement, gambling, and recreation industries	--	--	--	--	--	--	--
Other amusement and recreation industries	--	--	--	--	--	--	--
Fitness and recreational sports centers	1	--	--	--	--	--	--
Accommodation and food services	13	--	--	--	--	5	4
Food services and drinking places	11	--	--	--	--	4	3
Drinking places (alcoholic beverages)	3	--	--	--	--	3	--

Drinking places (alcoholic beverages)	3	--	--	--	--	3	--
Restaurants and other eating places	8	--	--	--	--	1	1
Restaurants and other eating places	8	--	--	--	--	1	1
Full-service restaurants	5	--	--	--	--	1	1
Limited-service restaurants	3	--	--	--	--	--	--
Other services, except public administration	16	3	3	--	--	--	--
Other services, except public administration	16	3	3	--	--	--	--
Repair and maintenance	15	--	--	--	--	--	--
Automotive repair and maintenance	11	--	--	--	--	--	--
Automotive mechanical and electrical repair and maintenance	7	--	--	--	--	--	--
General automotive repair	7	--	--	--	--	--	--
Other automotive repair and maintenance	3	--	--	--	--	--	--
Personal and household goods repair and maintenance	--	--	--	--	--	--	--
Home and garden equipment and appliance repair and maintenance	1	--	--	--	--	--	--
Home and garden equipment repair and maintenance	1	--	--	--	--	--	--
Government⁴	34	14	9	--	--	6	6
Federal government	5	3	--	--	--	--	--
Service providing	5	3	--	--	--	--	--
Public administration	3	2	1	--	--	--	--
Public administration	3	2	1	--	--	--	--
National security and international affairs	3	2	1	--	--	--	--
National security and international affairs	3	2	1	--	--	--	--
National security	3	2	1	--	--	--	--
State government	5	3	3	--	--	--	--
Service providing	5	3	3	--	--	--	--
Public administration	3	--	--	--	--	--	--
Public administration	3	--	--	--	--	--	--
Administration of environmental quality programs	1	--	--	--	--	--	--
Administration of environmental quality programs	1	--	--	--	--	--	--
Administration of air and water resource and solid waste management programs	1	--	--	--	--	--	--
Local government	23	7	4	--	--	5	5

Service providing	23	7	4	--	--	5	5
Educational and health services	6	--	--	--	--	--	--
Educational services	6	--	--	--	--	--	--
Educational services	6	--	--	--	--	--	--
Elementary and secondary schools	6	--	--	--	--	--	--
Elementary and secondary schools	6	--	--	--	--	--	--
Public administration	15	7	4	--	--	3	3
Public administration	15	7	4	--	--	3	3
Executive, legislative, and other general government support	3	--	--	--	--	--	--
Executive, legislative, and other general government support	3	--	--	--	--	--	--
Justice, public order, and safety activities	11	6	3	--	--	3	3
Justice, public order, and safety activities	11	6	3	--	--	3	3
Police protection	8	4	--	--	--	3	3
Fire protection	3	--	--	--	--	--	--

¹ CFOI has used several versions of the North American Industry Classification System (NAICS) since 2003 to define industry. For more information on the version of NAICS used in this year, see our definitions page at <http://www.bls.gov/iif/oshcfdef.htm>.

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 Includes fatal injuries to workers employed by governmental organizations regardless of industry.

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. 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, December 16, 2019

Sand, gravel, clay, and ceramic and refractory minerals mining and quarrying	--	--	--	--	--	--	--	--
Construction sand and gravel mining	1	.2	1	.3	--	--	--	--
Support activities for mining	38	7.8	37	10.1	--	--	--	--
Support activities for mining	38	7.8	37	10.1	--	--	--	--
Support activities for mining	38	7.8	37	10.1	--	--	--	--
Drilling oil and gas wells	3	.6	3	.8	--	--	--	--
Support activities for oil and gas operations	35	7.2	34	9.2	--	--	--	--
Construction	107	21.9	88	23.9	--	--	19	22.1
Construction	107	21.9	88	23.9	--	--	19	22.1
Construction of buildings	19	3.9	14	3.8	--	--	5	5.8
Residential building construction	10	2.0	6	1.6	--	--	4	4.7
Residential building construction	10	2.0	6	1.6	--	--	4	4.7
New single-family housing construction (except for-sale builders)	4	.8	4	1.1	--	--	--	--
Residential remodelers	6	1.2	--	--	--	--	4	4.7
Nonresidential building construction	9	1.8	8	2.2	--	--	--	--
Industrial building construction	3	.6	--	--	--	--	--	--
Commercial and institutional building construction	6	1.2	6	1.6	--	--	--	--
Heavy and civil engineering construction	21	4.3	21	5.7	--	--	--	--
Utility system construction	16	3.3	16	4.3	--	--	--	--
Water and sewer line and related structures construction	5	1.0	5	1.4	--	--	--	--
Oil and gas pipeline and related structures construction	5	1.0	5	1.4	--	--	--	--
Power and communication line and related structures construction	6	1.2	6	1.6	--	--	--	--
Highway, street, and bridge construction	3	.6	3	.8	--	--	--	--
Highway, street, and bridge construction	3	.6	3	.8	--	--	--	--
Specialty trade contractors	67	13.7	53	14.4	--	--	14	16.3
Foundation, structure, and building exterior contractors	27	5.5	23	6.3	--	--	4	4.7
Poured concrete foundation and structure contractors	3	.6	3	.8	--	--	--	--
Structural steel and precast concrete contractors	3	.6	--	--	--	--	1	1.2
Framing contractors	1	.2	1	.3	--	--	--	--
Masonry contractors	4	.8	4	1.1	--	--	--	--
Roofing contractors	12	2.5	10	2.7	--	--	--	--
Residential roofing contractors	4	.8	3	.8	--	--	--	--
Nonresidential roofing contractors	1	.2	1	.3	--	--	--	--
Other foundation, structure, and building exterior contractors	3	.6	--	--	--	--	--	--
Building equipment contractors	20	4.1	15	4.1	--	--	5	5.8
Electrical contractors	4	.8	4	1.1	--	--	--	--
Nonresidential electrical contractors	1	.2	--	--	--	--	--	--
Plumbing, heating, and air-conditioning contractors	12	2.5	7	1.9	--	--	5	5.8
Residential plumbing, heating, and air-conditioning contractors	3	.6	3	.8	--	--	--	--
Nonresidential plumbing, heating, and air-conditioning contractors	3	.6	--	--	--	--	1	1.2
Other building equipment contractors	4	.8	4	1.1	--	--	--	--
Building finishing contractors	12	2.5	9	2.4	--	--	3	3.5

Drywall and insulation contractors	5	1.0	5	1.4	--	--	--	--
Painting and wall covering contractors	3	.6	--	--	--	--	--	--
Other specialty trade contractors	8	1.6	6	1.6	--	--	--	--
Site preparation contractors	4	.8	--	--	--	--	--	--
All other specialty trade contractors	4	.8	4	1.1	--	--	--	--
Manufacturing	18	3.7	18	4.9	--	--	--	--
Manufacturing	18	3.7	18	4.9	--	--	--	--
Food manufacturing	2	.4	--	--	--	--	--	--
Animal food manufacturing	2	.4	--	--	--	--	--	--
Animal food manufacturing	2	.4	--	--	--	--	--	--
Dog and cat food manufacturing	1	.2	--	--	--	--	--	--
Wood product manufacturing	3	.6	3	.8	--	--	--	--
Other wood product manufacturing	3	.6	3	.8	--	--	--	--
Nonmetallic mineral product manufacturing	3	.6	3	.8	--	--	--	--
Fabricated metal product manufacturing	5	1.0	5	1.4	--	--	--	--
Transportation equipment manufacturing	1	.2	--	--	--	--	--	--
Railroad rolling stock manufacturing	1	.2	--	--	--	--	--	--
Railroad rolling stock manufacturing	1	.2	--	--	--	--	--	--
Service providing	290	59.4	201	54.6	34	100.0	55	64.0
Trade, transportation, and utilities	168	34.4	128	34.8	4	11.8	36	41.9
Utilities	3	.6	--	--	--	--	--	--
Utilities	3	.6	--	--	--	--	--	--
Wholesale trade	20	4.1	18	4.9	--	--	--	--
Merchant wholesalers, durable goods	13	2.7	11	3.0	--	--	--	--
Motor vehicle and motor vehicle parts and supplies merchant wholesalers	4	.8	3	.8	--	--	--	--
Machinery, equipment, and supplies merchant wholesalers	1	.2	1	.3	--	--	--	--
Industrial machinery and equipment merchant wholesalers	1	.2	1	.3	--	--	--	--
Merchant wholesalers, nondurable goods	6	1.2	6	1.6	--	--	--	--
Retail trade	28	5.7	21	5.7	--	--	7	8.1
Motor vehicle and parts dealers	8	1.6	5	1.4	--	--	3	3.5
Automotive parts, accessories, and tire stores	5	1.0	--	--	--	--	--	--
Automotive parts and accessories stores	5	1.0	--	--	--	--	--	--
Furniture and home furnishings stores	4	.8	3	.8	--	--	--	--
Furniture stores	4	.8	3	.8	--	--	--	--
Furniture stores	4	.8	3	.8	--	--	--	--
Building material and garden equipment and supplies dealers	3	.6	3	.8	--	--	--	--

Building material and supplies dealers	3	.6	3	.8	--	--	--	--
Food and beverage stores	4	.8	4	1.1	--	--	--	--
Grocery stores	4	.8	4	1.1	--	--	--	--
Convenience stores	4	.8	4	1.1	--	--	--	--
Gasoline stations	5	1.0	3	.8	--	--	--	--
Gasoline stations	5	1.0	3	.8	--	--	--	--
Gasoline stations with convenience stores	5	1.0	3	.8	--	--	--	--
Transportation and warehousing	117	24.0	88	23.9	--	--	27	31.4
Air transportation	1	.2	--	--	--	--	1	1.2
Nonscheduled air transportation	1	.2	--	--	--	--	1	1.2
Nonscheduled air transportation	1	.2	--	--	--	--	1	1.2
Nonscheduled chartered passenger air transportation	1	.2	--	--	--	--	1	1.2
Truck transportation	89	18.2	66	17.9	--	--	23	26.7
General freight trucking	50	10.2	39	10.6	--	--	11	12.8
General freight trucking, local	13	2.7	8	2.2	--	--	5	5.8
General freight trucking, long-distance	34	7.0	30	8.2	--	--	4	4.7
General freight trucking, long-distance, truckload	17	3.5	15	4.1	--	--	--	--
General freight trucking, long-distance, less than truckload	8	1.6	8	2.2	--	--	--	--
Specialized freight trucking	39	8.0	27	7.3	--	--	12	14.0
Specialized freight (except used goods) trucking, local	21	4.3	13	3.5	--	--	8	9.3
Specialized freight (except used goods) trucking, long-distance	18	3.7	14	3.8	--	--	4	4.7
Transit and ground passenger transportation	4	.8	3	.8	--	--	--	--
Taxi and limousine service	--	--	1	.3	--	--	--	--
Taxi service	--	--	1	.3	--	--	--	--
Support activities for transportation	13	2.7	11	3.0	--	--	--	--
Support activities for water transportation	3	.6	3	.8	--	--	--	--
Marine cargo handling	3	.6	3	.8	--	--	--	--
Support activities for road transportation	4	.8	3	.8	--	--	1	1.2
Motor vehicle towing	4	.8	3	.8	--	--	1	1.2
Other support activities for transportation	3	.6	3	.8	--	--	--	--
Other support activities for transportation	3	.6	3	.8	--	--	--	--
Financial activities	4	.8	3	.8	--	--	1	1.2
Finance and insurance	1	.2	--	--	--	--	1	1.2
Securities, commodity contracts, and other financial investments and related activities	1	.2	--	--	--	--	1	1.2
Other financial investment activities	1	.2	--	--	--	--	1	1.2
Portfolio management	1	.2	--	--	--	--	1	1.2
Real estate and rental and leasing	3	.6	3	.8	--	--	--	--
Real estate	1	.2	1	.3	--	--	--	--
Lessors of real estate	1	.2	1	.3	--	--	--	--
Lessors of residential buildings and dwellings	1	.2	1	.3	--	--	--	--

Amusement, gambling, and recreation industries	--	--	--	--	--	--	1	1.2
Other amusement and recreation industries	--	--	--	--	--	--	1	1.2
Fitness and recreational sports centers	1	.2	--	--	--	--	1	1.2
Accommodation and food services	13	2.7	9	2.4	--	--	4	4.7
Food services and drinking places	11	2.3	7	1.9	--	--	4	4.7
Drinking places (alcoholic beverages)	3	.6	--	--	--	--	--	--
Drinking places (alcoholic beverages)	3	.6	--	--	--	--	--	--
Restaurants and other eating places	8	1.6	5	1.4	--	--	3	3.5
Restaurants and other eating places	8	1.6	5	1.4	--	--	3	3.5
Full-service restaurants	5	1.0	3	.8	--	--	--	--
Limited-service restaurants	3	.6	--	--	--	--	1	1.2
Other services, except public administration	16	3.3	9	2.4	--	--	7	8.1
Other services, except public administration	16	3.3	9	2.4	--	--	7	8.1
Repair and maintenance	15	3.1	8	2.2	--	--	7	8.1
Automotive repair and maintenance	11	2.3	6	1.6	--	--	5	5.8
Automotive mechanical and electrical repair and maintenance	7	1.4	4	1.1	--	--	3	3.5
General automotive repair	7	1.4	4	1.1	--	--	3	3.5
Other automotive repair and maintenance	3	.6	--	--	--	--	1	1.2
Personal and household goods repair and maintenance	--	--	--	--	--	--	1	1.2
Home and garden equipment and appliance repair and maintenance	1	.2	--	--	--	--	1	1.2
Home and garden equipment repair and maintenance	1	.2	--	--	--	--	1	1.2
Public administration	22	4.5	--	--	22	64.7	--	--
Public administration	22	4.5	--	--	22	64.7	--	--
Executive, legislative, and other general government support	4	.8	--	--	4	11.8	--	--
Executive, legislative, and other general government support	4	.8	--	--	4	11.8	--	--
Justice, public order, and safety activities	12	2.5	--	--	12	35.3	--	--
Justice, public order, and safety activities	12	2.5	--	--	12	35.3	--	--
Police protection	8	1.6	--	--	8	23.5	--	--
Fire protection	3	.6	--	--	3	8.8	--	--
Administration of environmental quality programs	--	--	--	--	--	--	--	--
Administration of environmental quality programs	--	--	--	--	--	--	--	--
Administration of air and water resource and solid waste management programs	1	.2	--	--	1	2.9	--	--
National security and international affairs	4	.8	--	--	4	11.8	--	--
National security and international affairs	4	.8	--	--	4	11.8	--	--
National security	4	.8	--	--	4	11.8	--	--

¹ CFOI has used several versions of the North American Industry Classification System (NAICS) since 2003 to define industry. For more information on the version of NAICS used in this year, see our definitions page at <http://www.bls.gov/iif/oshcdef.htm>.

² May include volunteers and workers receiving other types of compensation.

³ Includes fatal injuries to workers employed by governmental organizations regardless of industry.

⁴ Includes self-employed workers, owners of unincorporated businesses and farms, paid and unpaid family workers, and may include some owners of incorporated businesses or members of partnerships.

⁵ 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.

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. 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, December 16, 2019

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatal injuries and by major private industry ¹ sector, Texas, 2018

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	Educational and health services	Leisure and hospitality	Other services
Total	488	198	73	107	18	256	164	--	4	44	12	15	16
Primary Source⁴													
Chemicals and chemical products	13	6	--	4	--	7	--	--	--	3	--	--	--
Chemical products--general	8	3	--	--	--	5	--	--	--	--	--	--	--
Drugs, alcohol, and medicines	7	3	--	--	--	4	--	--	--	--	--	--	--
Drugs--nonmedicinal	6	3	--	--	--	3	--	--	--	--	--	--	--
Containers, furniture, and fixtures	9	6	--	4	--	--	--	--	--	--	--	--	--
Containers	8	5	--	3	--	--	--	--	--	--	--	--	--
Containers--nonpressurized	4	--	--	--	--	--	--	--	--	--	--	--	--
Containers--pressurized	3	--	--	--	--	--	--	--	--	--	--	--	--
Machinery	25	16	8	6	--	9	3	--	--	6	--	--	--
Agricultural and garden machinery	3	--	--	--	--	--	--	--	--	--	--	--	--
Harvesting and threshing machinery	--	--	--	--	--	--	--	--	--	--	--	--	--
Harvesters, reapers	1	--	--	--	--	--	--	--	--	--	--	--	--
Construction, logging, and mining machinery	12	8	4	3	1	4	--	--	--	--	--	--	--
Loaders	5	3	1	1	1	--	--	--	--	--	--	--	--
Bucket, front-end, end, and pay loaders	--	1	1	--	--	--	--	--	--	--	--	--	--
Skid steer loaders, mini loaders	3	2	--	1	1	--	--	--	--	--	--	--	--
Mining and drilling machinery	4	3	3	--	--	--	--	--	--	--	--	--	--
Oil drilling rigs and machinery	3	3	3	--	--	--	--	--	--	--	--	--	--
Material and personnel handling machinery	6	5	--	3	--	--	--	--	--	--	--	--	--
Elevators, hoists, aerial lifts, personnel platforms--except truck-mounted	2	--	--	--	--	--	--	--	--	--	--	--	--
Manlifts	1	--	--	--	--	--	--	--	--	--	--	--	--
Aerial lifts, scissor lifts--except truck-mounted	1	1	--	1	--	--	--	--	--	--	--	--	--
Metal, woodworking, and special material machinery	4	--	--	--	--	3	--	--	--	3	--	--	--
Parts and materials	32	22	6	14	--	8	6	--	--	--	--	--	--
Building materials--solid elements	15	12	3	7	--	3	3	--	--	--	--	--	--
Pipes, ducts, tubing	12	10	3	6	--	--	--	--	--	--	--	--	--
Metal pipes, tubing	7	5	--	--	--	--	--	--	--	--	--	--	--
Structural metal materials	3	--	--	--	--	--	--	--	--	--	--	--	--
Fasteners, connectors, ropes, ties	3	3	--	1	--	--	--	--	--	--	--	--	--
Valves, nozzles	--	--	--	1	--	--	--	--	--	--	--	--	--
Machine, tool, and electric parts	10	7	1	6	--	--	--	--	--	--	--	--	--
Electric parts	10	7	1	6	--	--	--	--	--	--	--	--	--
Power lines, transformers, convertors	6	4	--	4	--	--	--	--	--	--	--	--	--
Switchboards, switches, fuses	1	1	1	--	--	--	--	--	--	--	--	--	--
Vehicle and mobile equipment parts	4	--	--	--	--	4	3	--	--	--	--	--	--
Tires, inner tubes, wheels	3	--	--	--	--	3	--	--	--	--	--	--	--
Tires, except bike	3	--	--	--	--	3	--	--	--	--	--	--	--
Persons, plants, animals, and minerals	75	13	4	7	--	50	22	--	2	9	3	7	6
Animals	--	--	--	1	--	--	--	--	--	--	--	--	--
Insects, arachnids, mites	1	1	--	1	--	--	--	--	--	--	--	--	--
Bees, hornets, wasps	1	1	--	1	--	--	--	--	--	--	--	--	--
Person--injured or ill worker	31	7	--	3	--	18	5	--	1	4	1	--	4
Person--other than injured or ill worker	40	4	--	3	--	30	17	--	1	4	1	5	--
Relative or domestic partner of injured or ill worker	1	--	--	--	--	1	--	--	--	--	1	--	--
Spouse or domestic partner of injured or ill worker	1	--	--	--	--	1	--	--	--	--	1	--	--
Co-worker or work associate of injured or ill worker	7	--	--	--	--	6	4	--	1	--	--	--	--
Co-worker	3	--	--	--	--	3	--	--	--	--	--	--	--

Former work associate	1	--	--	--	--	1	--	--	1	--	--	--
Acquaintance	4	--	--	--	--	4	--	--	--	1	--	1
Assailant, suspect, inmate	20	--	--	--	--	15	11	--	--	--	--	--
Robber	12	--	--	--	--	10	9	--	--	--	--	--
Suspect not yet apprehended	3	--	--	--	--	--	--	--	--	--	--	--
Structures and surfaces	54	32	--	29	--	20	9	--	--	4	3	3
Buildings--office, plant, residential	4	--	--	--	--	--	--	--	--	--	--	1
Commercial and retail buildings	1	--	--	--	--	1	--	--	--	--	--	1
Restaurant, bar	1	--	--	--	--	1	--	--	--	--	--	1
Structures other than buildings	14	11	--	11	--	3	--	--	--	--	--	--
Scaffolds, staging	8	7	--	7	--	--	--	--	--	--	--	--
Scaffolds--self-supporting staging	5	5	--	5	--	--	--	--	--	--	--	--
Towers, poles	3	3	--	3	--	--	--	--	--	--	--	--
Other structures	1	--	--	--	--	--	--	--	--	--	--	--
Porches, balconies, decks, patios	1	--	--	--	--	--	--	--	--	--	--	--
Other structural elements	15	13	--	12	--	--	--	--	--	--	--	--
Roofs	13	11	--	11	--	--	--	--	--	--	--	--
Skylights	3	3	--	3	--	--	--	--	--	--	--	--
Existing roof openings, other than skylights	1	1	--	1	--	--	--	--	--	--	--	--
Roof surface, other than roof edge	1	1	--	1	--	--	--	--	--	--	--	--
Roof edges	8	6	--	6	--	--	--	--	--	--	--	--
Floors, walkways, ground surfaces	21	6	--	4	--	14	7	--	--	--	3	--
Floors	8	3	--	--	--	4	--	--	--	--	--	--
Ground	3	--	--	--	--	--	--	--	--	--	--	--
Parking lots	5	--	--	--	--	4	4	--	--	--	--	--
Parking lot--paved	4	--	--	--	--	3	3	--	--	--	--	--
Tools, instruments, and equipment	24	20	3	16	--	3	--	--	--	--	--	--
Handtools--nonpowered	4	4	--	--	--	--	--	--	--	--	--	--
Cutting handtools--nonpowered	1	--	--	--	--	--	--	--	--	--	--	--
Ladders	17	14	--	13	--	--	--	--	--	--	--	--
Movable--ladders	15	12	--	11	--	--	--	--	--	--	--	--
Extension ladders	6	5	--	5	--	--	--	--	--	--	--	--
Straight ladders	1	1	--	1	--	--	--	--	--	--	--	--
Vehicles	245	75	41	25	9	155	121	--	--	19	5	8
Aircraft	10	--	--	--	--	6	--	--	--	--	--	--
Airplanes--powered fixed wing	6	--	--	--	--	4	1	--	--	--	1	--
Airplane--jet or turbine engine	2	--	--	--	--	1	--	--	--	--	1	--
Airplane--propeller-driven or piston engine	4	--	--	--	--	--	1	--	--	--	--	--
Aircraft--powered rotary wing	4	--	--	--	--	--	--	--	--	--	--	--
Helicopter	4	--	--	--	--	--	--	--	--	--	--	--
Rail vehicles	3	--	--	--	1	--	--	--	--	--	--	--
Subway, elevated train	1	1	--	--	1	--	--	--	--	--	--	--
Water vehicle	--	1	1	--	--	--	--	--	--	--	--	--
Commercial fishing vessel	1	1	1	--	--	--	--	--	--	--	--	--
Highway vehicles, motorized	213	60	32	21	7	141	113	--	--	15	3	8
Passenger vehicle--automobiles, buses, and passenger vans	34	5	--	4	--	22	11	--	--	4	3	3
Ambulance, police, and other emergency passenger vehicle	4	--	--	--	--	--	--	--	--	--	--	--
Automobile	17	3	--	--	--	11	6	--	--	--	--	--
Bus	3	--	--	--	--	--	--	--	--	--	--	--
Passenger van	8	--	--	--	--	6	--	--	--	--	--	--
Trucks--motorized freight hauling and utility	123	21	10	6	5	99	94	--	--	3	--	--
Semi, tractor-trailer, tanker truck	105	15	9	3	3	89	87	--	--	--	--	--
Dump truck	4	3	1	--	--	--	--	--	--	--	--	--
Fire truck, other emergency equipment truck	3	--	--	--	--	--	--	--	--	--	--	--
Delivery truck or van	6	--	--	--	--	5	5	--	--	--	--	--
Multi-purpose highway vehicles	56	34	21	11	--	20	8	--	--	8	--	3
Pickup truck	51	31	19	10	--	19	7	--	--	8	--	3
SUV, sports utility vehicle	5	3	--	--	--	--	--	--	--	--	--	--
Off-road or industrial vehicles--powered	16	10	6	3	--	6	4	--	--	--	--	--
Off-road passenger vehicles--powered	4	3	--	1	--	1	--	--	--	1	--	--
ATV, all terrain vehicle	4	3	--	1	--	1	--	--	--	1	--	--
Industrial vehicles, material hauling and transport--powered	7	3	--	--	--	4	4	--	--	--	--	--

¹ CFOI has used several versions of the North American Industry Classification System (NAICS) since 2003 to define industry. For more information on the version of NAICS used in this year, see our definitions page at <http://www.bls.gov/iif/oshcfdef.htm>.

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, December 16, 2019

TABLE A-5. Fatal occupational injuries by occupation and event or exposure, Texas, 2018

Occupation ¹	Total fatal injuries (number)	Event or exposure ²					
		Violence and other injuries by persons or animals ³	Transportation incidents ⁴	Fires and explosions	Falls, slips, trips	Exposure to harmful substances or environments	Contact with objects and equipment
Total	488	71	223	20	71	43	58
Management occupations	16	4	3	5	--	--	--
Top executives	4	1	--	1	--	--	--
General and operations managers	3	1	--	1	--	--	--
General and operations managers	3	1	--	1	--	--	--
Other management occupations	11	3	--	3	--	--	--
Farmers, ranchers, and other agricultural managers	4	--	--	--	--	--	--
Farmers, ranchers, and other agricultural managers	4	--	--	--	--	--	--
Food service managers	4	--	--	--	--	--	--
Food service managers	4	--	--	--	--	--	--
Property, real estate, and community association managers	1	1	--	--	--	--	--
Property, real estate, and community association managers	1	1	--	--	--	--	--
Business and financial operations occupations	--	--	--	--	--	--	--
Business operations specialists	--	--	--	--	--	--	--
Meeting, convention, and event planners	1	--	--	--	--	--	--
Meeting, convention, and event planners	1	--	--	--	--	--	--
Computer and mathematical occupations	--	--	--	--	--	--	--
Computer occupations	--	--	--	--	--	--	--
Computer and information analysts	1	--	--	--	--	--	--
Computer systems analysts	1	--	--	--	--	--	--
Architecture and engineering occupations	11	--	8	--	--	--	--
Engineers	6	--	4	--	--	--	--
Community and social services occupations	3	--	3	--	--	--	--
Education, training, and library occupations	6	--	--	--	--	--	--
Preschool, primary, secondary, and special education school teachers	3	--	--	--	--	--	--
Elementary and middle school teachers	3	--	--	--	--	--	--
Healthcare practitioners and technical occupations	7	--	4	--	--	--	--
Health diagnosing and treating practitioners	3	--	--	--	--	--	--
Health technologists and technicians	3	--	--	--	--	--	--
Protective service occupations	21	8	7	--	3	--	--
Fire fighting and prevention workers	3	--	--	--	--	--	--
Firefighters	3	--	--	--	--	--	--
Firefighters	3	--	--	--	--	--	--
Law enforcement workers	9	3	5	--	--	--	--

Police officers	8	3	4	--	--	--	--
Police and sheriff's patrol officers	8	3	4	--	--	--	--
Other protective service workers	7	5	--	--	--	--	--
Security guards and gaming surveillance officers	6	5	--	--	--	--	--
Security guards	6	5	--	--	--	--	--
Food preparation and serving related occupations	7	4	--	--	--	--	--
Supervisors of food preparation and serving workers	3	3	--	--	--	--	--
First-line supervisors of food preparation and serving workers	3	3	--	--	--	--	--
First-line supervisors of food preparation and serving workers	3	3	--	--	--	--	--
Other food preparation and serving related workers	--	1	--	--	--	--	--
Miscellaneous food preparation and serving related workers	1	1	--	--	--	--	--
Building and grounds cleaning and maintenance occupations	16	1	5	--	4	3	3
Building cleaning and pest control workers	3	--	--	--	--	--	--
Grounds maintenance workers	11	1	3	--	--	--	3
Grounds maintenance workers	11	1	3	--	--	--	3
Landscaping and groundskeeping workers	9	1	3	--	--	--	3
Personal care and service occupations	3	3	--	--	--	--	--
Other personal care and service workers	2	--	--	--	--	--	--
Personal care aides	1	1	--	--	--	--	--
Personal care aides	1	1	--	--	--	--	--
Recreation and fitness workers	1	--	--	--	--	--	--
Fitness trainers and aerobics instructors	1	--	--	--	--	--	--
Sales and related occupations	24	15	6	--	--	--	--
Supervisors of sales workers	8	4	--	--	--	--	--
First-line supervisors of sales workers	8	4	--	--	--	--	--
First-line supervisors of retail sales workers	6	4	--	--	--	--	--
Retail sales workers	13	10	--	--	--	--	--
Cashiers	6	5	--	--	--	--	--
Cashiers	6	5	--	--	--	--	--
Retail salespersons	4	3	--	--	--	--	--
Retail salespersons	4	3	--	--	--	--	--
Office and administrative support occupations	6	4	--	--	--	--	--
Material recording, scheduling, dispatching, and distributing workers	4	--	--	--	--	--	--
Postal service workers	--	1	--	--	--	--	--
Postal service mail carriers	--	1	--	--	--	--	--
Weighers, measurers, checkers, and samplers, recordkeeping	1	--	--	--	--	--	--
Weighers, measurers, checkers, and samplers, recordkeeping	1	--	--	--	--	--	--
Farming, fishing, and forestry occupations	16	--	4	--	--	5	4
Agricultural workers	15	--	3	--	--	5	4
Miscellaneous agricultural workers	15	--	3	--	--	5	4
Farmworkers and laborers, crop, nursery, and greenhouse	7	--	--	--	--	--	--
Farmworkers, farm, ranch, and aquacultural animals	7	--	--	--	--	3	3
Fishing and hunting workers	1	--	1	--	--	--	--
Fishers and related fishing workers	1	--	1	--	--	--	--
Fishers and related fishing workers	1	--	1	--	--	--	--

Construction and extraction occupations

	105	8	28	6	32	16	15
Supervisors of construction and extraction workers	17	3	5	--	3	--	--
First-line supervisors of construction trades and extraction workers	17	3	5	--	3	--	--
First-line supervisors of construction trades and extraction workers	17	3	5	--	3	--	--
Construction trades workers	62	4	12	4	26	10	6
Brickmasons, blockmasons, and stonemasons	4	--	--	--	--	1	--
Brickmasons and blockmasons	4	--	--	--	--	1	--
Construction laborers	17	--	--	--	7	--	4
Construction laborers	17	--	--	--	7	--	4
Drywall installers, ceiling tile installers, and tapers	3	--	--	--	--	--	--
Drywall and ceiling tile installers	3	--	--	--	--	--	--
Electricians	7	--	--	--	--	3	--
Electricians	7	--	--	--	--	3	--
Pipelayers, plumbers, pipefitters, and steamfitters	8	1	3	--	--	--	--
Plumbers, pipefitters, and steamfitters	7	1	3	--	--	--	--
Roofers	12	--	--	--	9	--	--
Roofers	12	--	--	--	9	--	--
Helpers, construction trades	3	--	--	--	--	--	--
Helpers, construction trades	3	--	--	--	--	--	--
Other construction and related workers	5	--	3	--	--	--	--
Extraction workers	18	--	8	--	--	--	6
Derrick, rotary drill, and service unit operators, oil, gas, and mining	8	--	3	--	--	--	3
Service unit operators, oil, gas, and mining	5	--	--	--	--	--	--
Roustabouts, oil and gas	6	--	--	--	--	--	--
Roustabouts, oil and gas	6	--	--	--	--	--	--
Miscellaneous extraction workers	4	--	--	--	--	--	--
Installation, maintenance, and repair occupations	47	6	9	4	9	9	10
Supervisors of installation, maintenance, and repair workers	7	5	--	--	--	--	--
First-line supervisors of mechanics, installers, and repairers	7	5	--	--	--	--	--
First-line supervisors of mechanics, installers, and repairers	7	5	--	--	--	--	--
Electrical and electronic equipment mechanics, installers, and repairers	4	--	3	--	--	--	--
Vehicle and mobile equipment mechanics, installers, and repairers	14	--	3	3	--	--	5
Automotive technicians and repairers	4	--	--	--	--	--	--
Automotive service technicians and mechanics	4	--	--	--	--	--	--
Bus and truck mechanics and diesel engine specialists	5	--	--	--	--	--	3
Bus and truck mechanics and diesel engine specialists	5	--	--	--	--	--	3
Small engine mechanics	--	--	--	--	--	--	--
Outdoor power equipment and other small engine mechanics	1	--	--	--	--	--	--
Other installation, maintenance, and repair occupations	22	--	3	--	8	6	4
Heating, air conditioning, and refrigeration mechanics and installers	6	--	--	--	6	--	--
Heating, air conditioning, and refrigeration mechanics and installers	6	--	--	--	6	--	--
Line installers and repairers	6	--	--	--	--	5	--

Electrical power-line installers and repairers	5	--	--	--	--	4	--
Maintenance and repair workers, general	4	--	--	--	--	--	--
Maintenance and repair workers, general	4	--	--	--	--	--	--
Miscellaneous installation, maintenance, and repair workers	4	--	--	--	--	--	--
Production occupations	16	--	4	--	--	--	4
Metal workers and plastic workers	5	--	--	--	--	--	--
Welding, soldering, and brazing workers	5	--	--	--	--	--	--
Welders, cutters, solderers, and brazers	5	--	--	--	--	--	--
Plant and system operators	4	--	3	--	--	--	--
Miscellaneous plant and system operators	4	--	3	--	--	--	--
Petroleum pump system operators, refinery operators, and gaugers	3	--	3	--	--	--	--
Other production occupations	4	--	--	--	--	--	--
Transportation and material moving occupations	174	6	136	--	8	3	19
Air transportation workers	9	--	9	--	--	--	--
Aircraft pilots and flight engineers	9	--	9	--	--	--	--
Commercial pilots	9	--	9	--	--	--	--
Motor vehicle operators	127	--	109	--	5	--	9
Driver/sales workers and truck drivers	123	--	106	--	5	--	9
Heavy and tractor-trailer truck drivers	114	--	98	--	5	--	9
Light truck or delivery services drivers	8	--	7	--	--	--	--
Taxi drivers and chauffeurs	--	1	--	--	--	--	--
Taxi drivers and chauffeurs	--	1	--	--	--	--	--
Material moving workers	33	--	16	--	3	--	10
Industrial truck and tractor operators	5	--	--	--	--	--	3
Industrial truck and tractor operators	5	--	--	--	--	--	3
Laborers and material movers, hand	17	--	7	--	--	--	5
Cleaners of vehicles and equipment	4	--	--	--	--	--	--
Laborers and freight, stock, and material movers, hand	13	--	6	--	--	--	5
Pumping station operators	5	--	5	--	--	--	--
Wellhead pumpers	5	--	5	--	--	--	--
Military specific occupations⁵	3	--	2	--	--	--	--

¹ CFOI has used several versions of the Standard Occupation Classification (SOC) system since 2003 to define occupation. For more information on the version of SOC used in this year, see our definitions page at <http://www.bls.gov/iif/oshcdef.htm>.

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

³ Includes violence by persons, self-inflicted injury, and attacks by animals.

⁴ Includes roadway, nonroadway, air, water, rail fatal occupational injuries, and fatal occupational injuries resulting from being struck by a vehicle.

⁵ Includes fatal injuries to persons identified as resident armed forces regardless of individual occupation listed.

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. 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, December 16, 2019

TABLE A-6. Fatal occupational injuries resulting from transportation incidents and homicides by occupation, Texas, 2018

Occupation ¹	Total fatal injuries (number)	Transportation incidents ²				Homicides ²	
		Total	Roadway incidents involving motorized land vehicle	Nonroadway incidents involving motorized land vehicles	Pedestrian vehicular incidents	Total	Shooting by other person--intentional
Total	488	223	166	13	25	40	36
Management occupations	16	3	--	--	--	3	3
Top executives	4	--	--	--	--	--	--
General and operations managers	3	--	--	--	--	--	--
General and operations managers	3	--	--	--	--	--	--
Other management occupations	11	--	--	--	--	3	3
Farmers, ranchers, and other agricultural managers	4	--	--	--	--	--	--
Farmers, ranchers, and other agricultural managers	4	--	--	--	--	--	--
Food service managers	4	--	--	--	--	--	--
Food service managers	4	--	--	--	--	--	--
Property, real estate, and community association managers	1	--	--	--	--	1	1
Property, real estate, and community association managers	1	--	--	--	--	1	1
Business and financial operations occupations	--	--	--	--	--	--	--
Business operations specialists	--	--	--	--	--	--	--
Meeting, convention, and event planners	1	--	--	--	--	--	--
Meeting, convention, and event planners	1	--	--	--	--	--	--
Computer and mathematical occupations	--	--	--	--	--	--	--
Computer occupations	--	--	--	--	--	--	--
Computer and information analysts	1	--	--	--	--	--	--
Computer systems analysts	1	--	--	--	--	--	--
Architecture and engineering occupations	11	8	6	--	--	--	--
Engineers	6	4	--	--	--	--	--
Community and social services occupations	3	3	3	--	--	--	--
Education, training, and library occupations	6	--	--	--	--	--	--
Preschool, primary, secondary, and special education school teachers	3	--	--	--	--	--	--
Elementary and middle school teachers	3	--	--	--	--	--	--
Healthcare practitioners and technical occupations	7	4	4	--	--	--	--
Health diagnosing and treating practitioners	3	--	--	--	--	--	--
Health technologists and technicians	3	--	--	--	--	--	--
Protective service occupations	21	7	4	--	--	6	6
Fire fighting and prevention workers	3	--	--	--	--	--	--
Firefighters	3	--	--	--	--	--	--
Firefighters	3	--	--	--	--	--	--
Law enforcement workers	9	5	3	--	--	3	3

Police officers	8	4	--	--	--	3	3
Police and sheriff's patrol officers	8	4	--	--	--	3	3
Other protective service workers	7	--	--	--	--	3	3
Security guards and gaming surveillance officers	6	--	--	--	--	3	3
Security guards	6	--	--	--	--	3	3
Food preparation and serving related occupations	7	--	--	--	--	3	3
Supervisors of food preparation and serving workers	3	--	--	--	--	--	--
First-line supervisors of food preparation and serving workers	3	--	--	--	--	--	--
First-line supervisors of food preparation and serving workers	3	--	--	--	--	--	--
Other food preparation and serving related workers	--	--	--	--	--	1	1
Miscellaneous food preparation and serving related workers	1	--	--	--	--	1	1
Building and grounds cleaning and maintenance occupations	16	5	--	3	--	1	1
Building cleaning and pest control workers	3	--	--	--	--	--	--
Grounds maintenance workers	11	3	--	--	--	1	1
Grounds maintenance workers	11	3	--	--	--	1	1
Landscaping and groundskeeping workers	9	3	--	--	--	1	1
Personal care and service occupations	3	--	--	--	--	1	1
Other personal care and service workers	2	--	--	--	--	1	1
Personal care aides	1	--	--	--	--	1	1
Personal care aides	1	--	--	--	--	1	1
Recreation and fitness workers	1	--	--	--	--	--	--
Fitness trainers and aerobics instructors	1	--	--	--	--	--	--
Sales and related occupations	24	6	4	--	--	14	13
Supervisors of sales workers	8	--	--	--	--	3	--
First-line supervisors of sales workers	8	--	--	--	--	3	--
First-line supervisors of retail sales workers	6	--	--	--	--	3	--
Retail sales workers	13	--	--	--	--	10	10
Cashiers	6	--	--	--	--	5	5
Cashiers	6	--	--	--	--	5	5
Retail salespersons	4	--	--	--	--	3	3
Retail salespersons	4	--	--	--	--	3	3
Office and administrative support occupations	6	--	--	--	--	--	--
Material recording, scheduling, dispatching, and distributing workers	4	--	--	--	--	--	--
Postal service workers	--	--	--	--	--	1	1
Postal service mail carriers	--	--	--	--	--	1	1
Weighers, measurers, checkers, and samplers, recordkeeping	1	--	--	--	--	--	--
Weighers, measurers, checkers, and samplers, recordkeeping	1	--	--	--	--	--	--
Farming, fishing, and forestry occupations	16	4	--	--	--	--	--
Agricultural workers	15	3	--	--	--	--	--
Miscellaneous agricultural workers	15	3	--	--	--	--	--
Farmworkers and laborers, crop, nursery, and greenhouse	7	--	--	--	--	--	--
Farmworkers, farm, ranch, and aquacultural animals	7	--	--	--	--	--	--
Fishing and hunting workers	1	1	--	--	--	--	--
Fishers and related fishing workers	1	1	--	--	--	--	--
Fishers and related fishing workers	1	1	--	--	--	--	--

Construction and extraction occupations

	105	28	23	--	3	--	--
Supervisors of construction and extraction workers	17	5	5	--	--	--	--
First-line supervisors of construction trades and extraction workers	17	5	5	--	--	--	--
First-line supervisors of construction trades and extraction workers	17	5	5	--	--	--	--
Construction trades workers	62	12	7	--	3	--	--
Brickmasons, blockmasons, and stonemasons	4	--	--	--	--	--	--
Brickmasons and blockmasons	4	--	--	--	--	--	--
Construction laborers	17	--	--	--	--	--	--
Construction laborers	17	--	--	--	--	--	--
Drywall installers, ceiling tile installers, and tapers	3	--	--	--	--	--	--
Drywall and ceiling tile installers	3	--	--	--	--	--	--
Electricians	7	--	--	--	--	--	--
Electricians	7	--	--	--	--	--	--
Pipelayers, plumbers, pipefitters, and steamfitters	8	3	--	--	--	--	--
Plumbers, pipefitters, and steamfitters	7	3	--	--	--	--	--
Roofers	12	--	--	--	--	--	--
Roofers	12	--	--	--	--	--	--
Helpers, construction trades	3	--	--	--	--	--	--
Helpers, construction trades	3	--	--	--	--	--	--
Other construction and related workers	5	3	3	--	--	--	--
Extraction workers	18	8	8	--	--	--	--
Derrick, rotary drill, and service unit operators, oil, gas, and mining	8	3	3	--	--	--	--
Service unit operators, oil, gas, and mining	5	--	--	--	--	--	--
Roustabouts, oil and gas	6	--	--	--	--	--	--
Roustabouts, oil and gas	6	--	--	--	--	--	--
Miscellaneous extraction workers	4	--	--	--	--	--	--
Installation, maintenance, and repair occupations	47	9	7	--	--	--	--
Supervisors of installation, maintenance, and repair workers	7	--	--	--	--	--	--
First-line supervisors of mechanics, installers, and repairers	7	--	--	--	--	--	--
First-line supervisors of mechanics, installers, and repairers	7	--	--	--	--	--	--
Electrical and electronic equipment mechanics, installers, and repairers	4	3	--	--	--	--	--
Vehicle and mobile equipment mechanics, installers, and repairers	14	3	3	--	--	--	--
Automotive technicians and repairers	4	--	--	--	--	--	--
Automotive service technicians and mechanics	4	--	--	--	--	--	--
Bus and truck mechanics and diesel engine specialists	5	--	--	--	--	--	--
Bus and truck mechanics and diesel engine specialists	5	--	--	--	--	--	--
Small engine mechanics	--	--	--	--	--	--	--
Outdoor power equipment and other small engine mechanics	1	--	--	--	--	--	--
Other installation, maintenance, and repair occupations	22	3	--	--	--	--	--
Heating, air conditioning, and refrigeration mechanics and installers	6	--	--	--	--	--	--
Heating, air conditioning, and refrigeration mechanics and installers	6	--	--	--	--	--	--
Line installers and repairers	6	--	--	--	--	--	--

Electrical power-line installers and repairers	5	--	--	--	--	--	--
Maintenance and repair workers, general	4	--	--	--	--	--	--
Maintenance and repair workers, general	4	--	--	--	--	--	--
Miscellaneous installation, maintenance, and repair workers	4	--	--	--	--	--	--
Production occupations	16	4	4	--	--	--	--
Metal workers and plastic workers	5	--	--	--	--	--	--
Welding, soldering, and brazing workers	5	--	--	--	--	--	--
Welders, cutters, solderers, and brazers	5	--	--	--	--	--	--
Plant and system operators	4	3	3	--	--	--	--
Miscellaneous plant and system operators	4	3	3	--	--	--	--
Petroleum pump system operators, refinery operators, and gaugers	3	3	3	--	--	--	--
Other production occupations	4	--	--	--	--	--	--
Transportation and material moving occupations	174	136	102	4	16	4	3
Air transportation workers	9	9	--	--	--	--	--
Aircraft pilots and flight engineers	9	9	--	--	--	--	--
Commercial pilots	9	9	--	--	--	--	--
Motor vehicle operators	127	109	93	3	10	1	1
Driver/sales workers and truck drivers	123	106	90	3	10	--	--
Heavy and tractor-trailer truck drivers	114	98	83	2	10	--	--
Light truck or delivery services drivers	8	7	6	--	--	--	--
Taxi drivers and chauffeurs	--	--	--	--	--	1	1
Taxi drivers and chauffeurs	--	--	--	--	--	1	1
Material moving workers	33	16	9	--	5	--	--
Industrial truck and tractor operators	5	--	--	--	--	--	--
Industrial truck and tractor operators	5	--	--	--	--	--	--
Laborers and material movers, hand	17	7	--	--	4	--	--
Cleaners of vehicles and equipment	4	--	--	--	--	--	--
Laborers and freight, stock, and material movers, hand	13	6	--	--	4	--	--
Pumping station operators	5	5	5	--	--	--	--
Wellhead pumpers	5	5	5	--	--	--	--
Military specific occupations³	3	2	1	--	--	--	--

¹ CFOI has used several versions of the Standard Occupation Classification (SOC) system since 2003 to define occupation. For more information on the version of SOC used in this year, see our definitions page at <http://www.bls.gov/iif/oshcdef.htm>.

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

³ Includes fatal injuries to persons identified as resident armed forces regardless of individual occupation listed.

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. 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, December 16, 2019

Table A-7. Fatal occupational injuries by worker characteristics and event or exposure, Texas, 2018

Worker characteristics	Total fatal injuries (number)	Event or exposure ¹					
		Transportation incidents ²	Violence and other injuries by persons or animals ³	Contact with objects and equipment	Falls, slips, trips	Exposure to harmful substances or environments	Fires and explosions
Total	488	223	71	58	71	43	20
Employee status							
Wage and salary ⁴	402	193	51	47	56	37	16
Self-employed ⁵	86	30	20	11	15	6	4
Gender							
Women	33	14	8	--	6	--	--
Men	455	209	63	57	65	41	19
Age							
Under 16 years	--	--	--	--	--	--	--
16 to 17 years	--	--	--	--	--	--	--
18 to 19 years	5	--	--	--	1	1	--
20 to 24 years	32	13	4	4	3	8	--
25 to 34 years	99	46	16	12	8	14	3
35 to 44 years	98	45	16	12	9	7	9
45 to 54 years	115	55	13	18	17	7	4
55 to 64 years	89	44	14	6	17	4	3
65 years and over	50	19	7	5	16	--	--
Race or ethnic origin⁶							
White (non-Hispanic)	219	108	34	22	25	21	8
Black or African-American (non-Hispanic)	56	24	9	8	8	6	--
Hispanic or Latino	198	86	23	28	35	14	11
American Indian or Alaska Native (non-Hispanic)	--	--	--	--	--	1	--
Asian (non-Hispanic)	12	4	5	--	--	--	--
Native Hawaiian or Pacific Islander (non-Hispanic)	--	--	--	--	--	--	--

¹ Based on the BLS Occupational Injury and Illness Classification System (OIICS) 2.01 implemented for 2011 data forward.

² Includes roadway, nonroadway, air, water, rail fatal occupational injuries, and fatal occupational injuries resulting from being struck by a vehicle.

³ Includes violence by persons, self-inflicted injury, and attacks by animals.

⁴ May include volunteers and workers receiving other types of compensation.

⁵ Includes self-employed workers, owners of unincorporated businesses and farms, paid and unpaid family workers, and may include some owners of incorporated businesses or members of partnerships.

⁶ Persons identified as Hispanic or Latino may be of any race. The race categories shown exclude data for Hispanics and Latinos.

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. 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, December 16, 2019

TABLE A-8. Fatal occupational injuries by event or exposure and age, Texas, 2018

Event or exposure ¹	Total fatal injuries (number)	Age								
		Under 16 years	16-17 years	18-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65 years and over
Total	488	--	--	5	32	99	98	115	89	50
Violence and other injuries by persons or animals	71	--	--	--	4	16	16	13	14	7
Intentional injury by person	70	--	--	--	4	16	16	13	14	6
Homicides (Intentional injury by other person)	40	--	--	--	1	7	9	9	10	4
Shooting by other person--intentional	36	--	--	--	1	7	9	8	8	3
Stabbing, cutting, slashing, piercing	3	--	--	--	--	--	--	--	--	--
Suicides (Self-inflicted injury--intentional)	30	--	--	--	3	9	7	4	4	--
Shooting--intentional self-harm	15	--	--	--	1	4	3	--	3	--
Hanging, strangulation, asphyxiation--intentional self-harm	11	--	--	--	--	4	4	--	--	--
Transportation incidents	223	--	--	--	13	46	45	55	44	19
Aircraft incidents	10	--	--	--	--	3	--	--	2	3
Aircraft crash during takeoff or landing	3	--	--	--	--	--	--	--	1	--
Aircraft crash during takeoff or landing--due to mechanical failure	1	--	--	--	--	--	--	--	1	--
Aircraft crash during takeoff or landing--into structure, object, or around	1	--	--	--	--	--	--	--	--	--
Aircraft crash due to low-altitude entanglement	--	--	--	--	--	--	--	--	1	--
Other in-flight crash	3	--	--	--	--	--	--	--	--	--
Other in-flight crash into structure, object, or ground	3	--	--	--	--	--	--	--	--	--
Rail vehicle incidents	6	--	--	--	--	--	--	4	--	--
Collision between rail vehicle and another vehicle	3	--	--	--	--	--	--	--	--	--
Collision between rail and roadway vehicles	3	--	--	--	--	--	--	--	--	--
Fall or jump from and struck by rail vehicle--transportation incident	--	--	--	--	--	--	--	1	--	--
Pedestrian struck by rail vehicle--transportation incident	1	--	--	--	--	--	--	1	--	--
Pedestrian vehicular incident	25	--	--	--	--	3	4	9	8	--
Pedestrian struck by vehicle in roadway	8	--	--	--	--	--	--	3	3	--
Pedestrian struck by forward-moving vehicle in roadway	7	--	--	--	--	--	--	3	3	--
Pedestrian struck by vehicle on side of road	4	--	--	--	--	--	--	--	--	--
Pedestrian struck by forward-moving vehicle on side of road	3	--	--	--	--	--	--	--	--	--
Pedestrian struck by vehicle in nonroadway area	10	--	--	--	--	--	1	--	5	--
Pedestrian struck by forward-moving vehicle in nonroadway area	3	--	--	--	--	--	--	--	--	--
Pedestrian struck by vehicle backing up in nonroadway area	7	--	--	--	--	--	1	--	5	--
Water vehicle incidents	--	--	--	--	--	--	--	--	--	1
Machinery or equipment incident on water vehicle	1	--	--	--	--	--	--	--	--	1
Roadway incidents involving motorized land vehicle	166	--	--	--	11	37	38	39	30	10
Roadway collision with other vehicle	99	--	--	--	4	20	25	26	18	5
Roadway collision--moving in same direction	14	--	--	--	--	--	--	5	5	--
Roadway collision--moving in opposite directions, oncoming	44	--	--	--	--	9	13	9	8	--
Roadway collision--moving perpendicularly	19	--	--	--	--	3	5	7	--	--

Roadway collision--moving and standing vehicle in roadway	19	--	--	--	--	6	6	4	--	--
Roadway collision--moving and standing vehicle on side of roadway	3	--	--	--	--	--	--	--	--	--
Roadway collision with object other than vehicle	44	--	--	--	3	11	11	8	9	--
Vehicle struck object or animal on side of roadway	44	--	--	--	3	11	11	8	9	--
Roadway noncollision incident	23	--	--	--	4	6	--	5	3	3
Jack-knifed or overturned, roadway	20	--	--	--	--	5	--	5	3	3
Nonroadway incident involving motorized land vehicles	13	--	--	--	--	--	--	3	--	4
Nonroadway collision with object other than vehicle	3	--	--	--	--	--	--	--	--	--
Nonroadway noncollision incident	10	--	--	--	--	--	--	--	--	4
Jack-knifed or overturned, nonroadway	5	--	--	--	--	--	--	--	--	--
Ran off driving surface, nonroadway	1	--	--	--	--	--	--	--	--	1
Fall or jump from and struck by same vehicle in normal operation, nonroadway	1	--	--	--	--	--	--	--	--	--
Fall or jump from vehicle in normal operation, nonroadway	3	--	--	--	--	--	--	--	--	--
Fires and explosions	20	--	--	--	--	3	9	4	3	--
Fires	4	--	--	--	--	--	3	--	--	--
Other structural fire without collapse	1	--	--	--	--	--	1	--	--	--
Explosions	16	--	--	--	--	3	6	4	--	--
Explosion of nonpressurized vapors, gases, or liquids	4	--	--	--	--	--	--	--	--	--
Explosion of pressure vessel, piping, or tire	10	--	--	--	--	--	5	--	--	--
Falls, slips, trips	71	--	--	1	3	8	9	17	17	16
Falls on same level	17	--	--	--	--	--	--	4	4	7
Fall on same level due to tripping	6	--	--	--	--	--	--	--	--	3
Fall on same level due to tripping on uneven surface	3	--	--	--	--	--	--	--	--	--
Falls to lower level	53	--	--	1	--	8	8	12	13	9
Fall from collapsing structure or equipment	5	--	--	--	--	--	--	--	--	--
Fall through surface or existing opening	7	--	--	--	--	3	--	--	--	--
Other fall to lower level	39	--	--	1	--	4	6	11	9	7
Other fall to lower level less than 6 feet	10	--	--	--	--	--	--	--	3	5
Other fall to lower level 6 to 10 feet	4	--	--	--	--	--	1	3	--	--
Other fall to lower level 11 to 15 feet	6	--	--	--	--	--	--	--	3	--
Other fall to lower level 16 to 20 feet	4	--	--	--	--	--	--	3	--	--
Other fall to lower level 21 to 25 feet	5	--	--	--	--	--	--	--	--	--
Other fall to lower level 26 to 30 feet	3	--	--	--	--	--	--	--	--	--
Other fall to lower level more than 30 feet	4	--	--	1	--	--	--	--	--	--
Exposure to harmful substances or environments	43	--	--	1	8	14	7	7	4	--
Exposure to electricity	23	--	--	--	6	8	3	4	1	1
Direct exposure to electricity	11	--	--	--	3	4	--	--	1	--
Direct exposure to electricity, greater than 220 volts	8	--	--	--	--	3	--	--	1	--
Indirect exposure to electricity	12	--	--	--	3	4	--	3	--	1
Indirect exposure to electricity, 220 volts or less	3	--	--	--	--	--	--	--	--	--
Indirect exposure to electricity, greater than 220 volts	9	--	--	--	3	3	--	--	--	1
Exposure to temperature extremes	5	--	--	--	--	3	1	--	--	--
Exposure to environmental heat	5	--	--	--	--	3	1	--	--	--
Exposure to other harmful substances	10	--	--	1	--	--	--	3	3	--
Nonmedical use of drugs or alcohol--unintentional overdose	7	--	--	--	--	1	--	--	3	--
Inhalation of harmful substance	3	--	--	1	--	--	--	--	--	--
Inhalation of harmful substance--single episode	3	--	--	1	--	--	--	--	--	--
Exposure to oxygen deficiency, n.e.c.	5	--	--	--	--	--	--	--	--	--
Drowning, submersion, n.e.c.	3	--	--	--	--	--	--	--	--	--
Contact with objects and equipment	58	--	--	--	4	12	12	18	6	5
Struck by object or equipment	47	--	--	--	4	10	7	15	6	4

Struck by powered vehicle--nontransport	18	--	--	--	--	--	3	7	--
Caught between rolling powered vehicle and other object	3	--	--	--	--	--	--	--	--
Struck or run over by rolling powered vehicle	5	--	--	--	--	--	--	--	--
Struck by falling part of powered vehicle still attached	3	--	--	--	--	--	--	--	--
Struck by other falling powered vehicle	4	--	--	--	--	--	--	--	--
Struck by falling object or equipment--other than powered vehicle	20	--	--	--	--	8	--	6	3
Struck by object falling from vehicle or machinery--other than vehicle part	11	--	--	--	--	4	--	4	--
Struck by discharged or flying object	5	--	--	--	--	--	--	--	--
Caught in or compressed by equipment or objects	8	--	--	--	--	--	3	--	--
Caught in running equipment or machinery	8	--	--	--	--	--	3	--	--
Caught in running equipment or machinery during maintenance, cleaning	6	--	--	--	--	--	--	--	--
Struck, caught, or crushed in collapsing structure, equipment, or material	3	--	--	--	--	--	--	--	--
Struck, caught, or crushed in other collapsing structure or equipment	3	--	--	--	--	--	--	--	--

¹ Based on the BLS Occupational Injury and Illness Classification System (OIICS) 2.01 implemented for 2011 data forward.

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, December 16, 2019

¹ CFOI has used several versions of the North American Industry Classification System (NAICS) since 2003 to define industry. For more information on the version of NAICS used in this year, see our definitions page at <http://www.bls.gov/iif/oshcfdef.htm>.

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.

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. 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, December 16, 2019