TABLE A-1. Fatal occupational injuries by industry and event or exposure, Texas, 2021

					Event or e	evnosure ²		
Industry ¹	NAICS code ¹	Total fatal injuries (number)	Violence and other injuries by persons or animals ³	Transportation incidents ⁴	Fires and explosions	Falls, slips, trips	Exposure to harmful sub- stances or environments	Contact with objects and equipment
Total		533	57	260	7	88	54	66
Private industry		498	47	246	7	80	53	64
Goods producing								
Natural resources and mining		40		21				
Agriculture, forestry, fishing and hunting		21		11				5
Crop production Other crop farming Cotton farming	111 1119 11192	9	 	3	 	 	 	
Animal production and aquaculture	112	7		4				
Mining, quarrying, and oil and gas extraction		19		10				
Support activities for mining Support activities for mining Support activities for mining Drilling oil and gas wells Support activities for oil and gas operations	213 2131 21311 213111 213112	15 15 15 4 11	 	 	 	 	 	
Construction		127		33		50	20	18
Construction		127		33		50	20	18
Construction of buildings Residential building construction Residential building construction	236 2361 23611	18 12 12		3	 	 	3	
New single-family housing construction (except for-sale builders) Residential remodelers Nonresidential building construction	236115 236118 2362	4 6 6			 			
Heavy and civil engineering construction Utility system construction	237 2371	33 22		17 10			7 5	

Power and communication line and related structures construction 23713 12	
Highway, street, and bridge construction 23731 6	
Specialty trade contractors 238	
Foundation, structure, and building exterior contractors	
Framing contractors	
Masonry contractors 23814 4	
Residential roofing contractors 23816 12 10 Residential roofing contractors 238161 3	
Residential roofing contractors 238161 3	
Nonresidential roofing contractors 238162 6 -	
Other foundation, structure, and building exterior contractors 23819 3	
Building equipment contractors 2382 27 6 14	
Plumbing, heating, and air-conditioning contractors 23822 12 7	
Building finishing contractors 2383 12	
Drywall and insulation contractors 23831 3	
Painting and wall covering contractors 23832 7	
Other specialty trade contractors 2389 8 3 </td <td></td>	
Manufacturing 31 4 8 5 11 Manufacturing 31 4 8 5 11 Food manufacturing 311 4 -	
Manufacturing 31 4 8 5 11 Food manufacturing 311 4	L
Manufacturing 31 4 8 5 11 Food manufacturing 311 4	
Food manufacturing Petroleum and coal products manufacturing Petroleum and coal products manufacturing 324 1	
Food manufacturing Petroleum and coal products manufacturing Petroleum and coal products manufacturing 324 1	
Petroleum and coal products manufacturing Petroleum and coal products manufacturing 324 1	
Petroleum and coal products manufacturing Petroleum and coal products manufacturing 324 1	
Petroleum and coal products manufacturing 3241 1	
Asphalt paving, roofing, and saturated materials manufacturing 32412 1	
I ASDNAIL DAVING MIXLUFE AND DIOCK MANDIACUMNU I 3241211 II	
Nonmetallic mineral product manufacturing 327 7	
Cement and concrete product manufacturing 3273 5	
Ready-mix concrete manufacturing 32732 3	
Fabricated metal product manufacturing 332 8 3 3 3	
Architectural and structural metals manufacturing 3323 3	
Machinery manufacturing 333 1	
Other general purpose machinery manufacturing 3339 1	
All other general purpose machinery manufacturing 33399 1	
All other general purpose machinery mandracturing	
Service providing	
Trade, transportation, and utilities 179 130 13 14	
Utilities 3	•
	•
Utilities	
Electric power generation, transmission and distribution 2211 3	
Electric power transmission, control, and distribution 22112 3	
Wholesale trade 19 10 4	
Wholesale trade	

Retail trade		19	9	6				
Motor vehicle and parts dealers	441	3						
Food and beverage stores	445	4	4					
Grocery stores	4451	4	4					
Health and personal care stores	446	1						
Health and personal care stores	4461	1						
Gasoline stations	447	5						
Gasoline stations	4471	5						
Gasoline stations with convenience stores	44711	5						
Miscellaneous store retailers	453	1	1					
Other miscellaneous store retailers	4539	1	1					
All other miscellaneous store retailers	45399	1						
Tobacco stores	453991	1						
Tobacco stores	133331	_						
Transportation and warehousing		138	6	114			5	10
Truck transportation	484	105		93			3	6
General freight trucking	4841	69		64				
General freight trucking, local	48411	12		12				
General freight trucking, long-distance	48412	51		48				
General freight trucking, long-distance, truckload	484121	23						
General freight trucking, long-distance, less than truckload	484122	7						
Specialized freight trucking	4842	36		29				
Specialized freight (except used goods) trucking, long-distance	48423	19						
Transit and ground passenger transportation	485	6						
Taxi and limousine service	4853	4						
Support activities for transportation	488	10		7				
Support activities for road transportation	4884	6						
Motor vehicle towing	48841	5						
Couriers and messengers	492	8		6				
Couriers and express delivery services	4921	5						
Couriers and express delivery services	49211	5						
Local messengers and local delivery	4922	3						
Local messengers and local delivery	49221	3						
Warehousing and storage	493	3						
Warehousing and storage	4931	3						
Financial activities		11						
Finance and insurance		3						
Real estate and rental and leasing		8						
Real estate	531	3						
Lessors of real estate	5311	3						
1	1		Į.	ı	ı	ļ	· I	1

Lessors of residential buildings and dwellings	53111	3 l						
Rental and leasing services	532	5						
Commercial and industrial machinery and equipment rental and leasing	5324	5						
Construction, transportation, mining, and forestry machinery and	53241	3						
equipment rental and leasing								
Construction, mining, and forestry machinery and equipment rental and leasing	532412	3						
Terital and leasing								
Professional and business services		60	6	29		15	6	
Professional, scientific, and technical services		8		5		3		
Professional, scientific, and technical services	541	8		5		3		
Administrative and support and waste management and		52	6	24		12	6	
remediation services				<u>.</u>	<u>.</u>			
Administrative and support services	561	42		19				
Employment services	5613	9						
Investigation and security services	5616	5		1				
Investigation, guard, and armored car services	56161	5		1				
Security guards and patrol services	561612	5		1				
Services to buildings and dwellings	5617	26		14				
Landscaping services	56173	23						
Waste management and remediation services	562	10		5				
Waste collection	5621	7						
Waste collection	56211	7						
Solid waste collection	562111	4						
Remediation and other waste management services	5629	3						
Educational and health services		10		6				
Health care and social assistance		10		6				
Ambulatory health care services	621	8						
Offices of physicians	6211	1						
Offices of physicians	62111	1						
Offices of physicians (except mental health specialists)	621111	1						
Other ambulatory health care services	6219	4						
Leisure and hospitality		14		4		3		
Arts, entertainment, and recreation		4	4					
Accommodation and food services		10		4		3		
Other services, except public administration		23	5	11				

Other services, except public administration		23	5	11	 		
Repair and maintenance	811	15			 		
Automotive repair and maintenance	8111	7			 		
Automotive mechanical and electrical repair and maintenance	81111	4			 		
General automotive repair	811111	4			 		
Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	8113	5			 		
Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	81131	5			 		
Government ⁶		35	10	14	 		
Federal government		3			 		
State government		4			 		
Local government		28	8	10	 7		
Service providing					 		
Public administration		17	8	5	 		
Public administration		17	8	5	 		
Justice, public order, and safety activities	922	14	8		 		
Justice, public order, and safety activities	9221	14	8		 		
Police protection	92212	11			 		
Fire protection	92216	3			 		

¹ CFOI has used several versions of the North American Industry Classification System (NAICS) since 2003 to define industry. For complete information on the version of NAICS used in this year, see our
definitions page at http://www.bls.gov/iif/oshcfdef.htm. Cases where ownership is unknown are included in private industry counts. Cases classified as foreign government and other government are included in
all government counts, but not displayed separately. Cases where industry is unknown are included in the service sector counts.

- 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.
- 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. For complete information on how the data are coded and presented see our definitions page at http://www.bls.gov/iif/oshcfdef.htm. Dashes indicate no data reported or data that do not meet publication criteria. CFOI fatality counts exclude illness-related deaths unless precipitated by an injury event.

TABLE A-5. Fatal occupational injuries by occupation and event or exposure, Texas, 2021

				Event or e	exposure ²		
Occupation ¹	Total fatal injuries (number)	Violence and other injuries by persons or animals ³	Transportation incidents ⁴	Fires and explosions	Falls, slips, trips	Exposure to harmful sub- stances or environments	Contact with objects and equipment
Total	533	57	260	7	88	54	6
Management occupations	19	5	5		4		
Other management occupations	15						
Farmers, ranchers, and other agricultural managers	6						
Farmers, ranchers, and other agricultural managers	6						
Personal service managers	1						
Funeral home managers	1						
Business and financial operations occupations	4						
Business operations specialists	4						
Management analysts	1						
Management analysts	1						
Architecture and engineering occupations	4						
Healthcare practitioners and technical occupations	4						
Protective service occupations	24	13					
Food preparation and serving related occupations	6						
Building and grounds cleaning and maintenance occupations	30		15		8		
Supervisors of building and grounds cleaning and maintenance	6						
workers First-line supervisors of building and grounds cleaning and	6						
maintenance workers Building cleaning and pest control workers	3						
Building cleaning workers	3						
Janitors and cleaners, except maids and housekeeping cleaners	3						
Grounds maintenance workers	21		10		6		
Grounds maintenance workers	21		10		6		
Landscaping and groundskeeping workers	11				 -		
Tree trimmers and pruners	10				6		
Personal care and service occupations	4	4					
Entertainment attendants and related workers	1	1					
Sales and related occupations	19	10	4				
Supervisors of sales workers	4						
First-line supervisors of sales workers	4						
Retail sales workers	10	7					
Retail salespersons	5	3					
Retail salespersons	5	3					

Office and administrative support occupations	7						
Farming, fishing, and forestry occupations	13		6				4
Agricultural workers	9		3				
Construction and extraction occupations	115	3	28	4	39	19	21
Supervisors of construction and extraction workers	16		8				
First-line supervisors of construction trades and	16		8				
extraction workers	1.0		0				
First-line supervisors of construction trades and extraction workers	16		8				
Construction trades workers	78		10		36	13	14
Carpenters	6				4		
Carpenters	6				4		
Construction laborers	28		5		9	4	6
Construction laborers	28		5		9	4	6
Construction equipment operators	6						
Electricians	11				4	7	
Electricians	11				4	7	
Painters and paperhangers	6						
Painters, construction and maintenance	6						
Pipelayers, plumbers, pipefitters, and steamfitters	6						4
Roofers	9						
Roofers	9						
Extraction workers	13						
Derrick, rotary drill, and service unit operators, oil and	5						
das							
Surface mining machine operators and earth drillers	3						
Installation, maintenance, and repair occupations	52		18		13	8	10
Supervisors of installation, maintenance, and repair workers	3						
First-line supervisors of mechanics, installers, and repairers	3						
First-line supervisors of mechanics, installers, and	3						
repairers Electrical and electronic equipment mechanics, installers, and	5						
repairers							
Vehicle and mobile equipment mechanics, installers, and repairers	13		4				6
Automotive technicians and repairers	7						4
Bus and truck mechanics and diesel engine specialists	3						
Bus and truck mechanics and diesel engine specialists	3						
Other installation, maintenance, and repair occupations	31		10		9		4
Heating, air conditioning, and refrigeration mechanics and installers	5						
Heating, air conditioning, and refrigeration mechanics	5						
and installers Line installers and repairers	6						
·	0						
Maintenance and repair workers, general Maintenance and repair workers, general	8						
	0						
Miscellaneous installation, maintenance, and repair workers	ا ا						
Production occupations Motal workers and plactic workers	27	5	ь				10
Metal workers and plastic workers	14						٥
Welding, soldering, and brazing workers	9						

Welders, cutters, solderers, and brazers	9			 		
Other production occupations	4			 		
Transportation and material moving occupations	190	9	154	 	9	14
Motor vehicle operators	153	5	133	 	5	7
Driver/sales workers and truck drivers	147		130	 	5	7
Driver/sales workers	8		6	 		
Heavy and tractor-trailer truck drivers	130		115	 	5	7
Light truck drivers	9		9	 		
Material moving workers	26		12	 		7
Industrial truck and tractor operators	5			 		
Industrial truck and tractor operators	5			 		
Laborers and material movers	12		5	 		
Laborers and freight, stock, and material movers, hand	5			 		
Refuse and recyclable material collectors	5			 		
Refuse and recyclable material collectors	5			 		

¹ CFOI has used several versions of the Standard Occupation Classification (SOC) system since 2003 to define occupation. For complete information on the version of SOC used in this year, see our definitions page at http://www.bls.gov/iif/oshcfdef.htm. Cases where occupation is unknown are included in the total.

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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.

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

Table A-7. Fatal occupational injuries by worker characteristics and event or exposure, Texas, 2021

				Event or e	xposure ¹		
Worker characteristics	Total fatal injuries (number)	Transportation incidents ²	Violence and other injuries by persons or animals ³	Contact with objects and equipment	Falls, slips, trips	Exposure to harmful sub- stances or environments	Fires and explosions
Total	533	260	57	66	88	54	7
Employee status							
Wage and salary ⁴ Self-employed ⁵	463 70		46 11	55 11	78 10		6
Gender							
Women Men	40 493		9 48		6 82		
Age							
Under 16 years 16 to 17 years 18 to 19 years 20 to 24 years 25 to 34 years 35 to 44 years 45 to 54 years 55 to 64 years 65 years and over Race or ethnic origin ⁶	 12 36 94 101 105 131 54	17 48 48 56 64	 12 16 12 	11 11 26	 9 15 20 17 22	8 13	 3
White (non-Hispanic) Black or African-American (non-Hispanic) Hispanic or Latino American Indian or Alaska Native (non-Hispanic) Asian (non-Hispanic) Native Hawaiian or Pacific Islander (non-Hispanic)	213 68 231 18	38 108 	9 10 		27 7 52 	7	

- 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.
- ¹ May include volunteers and workers receiving other types of compensation. Cases where employment status is unknown are included in the counts of wage and salary workers.
- 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 Hispanic and Latino workers. Cases where ethnicity is unknown are included in counts of non-Hispanic workers.

Note: Data for all years are revised and final. Totals for major categories may include subcategories not shown separately. For complete information on how the data are coded and presented see our definitions page at http://www.bls.gov/iif/oshcfdef.htm. 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.

			Goods p	producing					Service p	providing			
Event or exposure ²	Total fatal injuries (number)	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	533		40	127	31		179		11	60	10	14	23
Violence and other injuries by persons or animals	57				4					6			5
Intentional injury by person	52				4		16						
Transportation incidents	260		21	33	8		130			29	6	4	11
Rail vehicle incidents	4												
Collision between rail vehicle and another vehicle	3												
Pedestrian vehicular incident	34			7			13						
Pedestrian struck by vehicle in work zone	3												
Pedestrian struck by vehicle in roadway	11												
Pedestrian struck by vehicle on side of road	5				1]			
Pedestrian struck by vehicle in nonroadway area	14				1 -		l ′]			
Pedestrian struck by forward-moving vehicle in nonroadway area Pedestrian struck by vehicle backing up in nonroadway	7						3						
area Roadway incidents involving motorized land vehicle	199		18	23									
Roadway incidents involving includized land vehicle	116		10	14								-	
Roadway collisionmoving in same direction	28]	5			17						
Roadway collisionmoving in opposite directions,	42			6									
oncomina													
Roadway collisionmoving perpendicularly	26						6						
Roadway collisionmoving and standing vehicle in	17												
roadwav Roadway collision with object other than vehicle	47			3									
Vehicle struck object or animal in roadway	5												
Vehicle struck object or animal on side of roadway	40												
Roadway noncollision incident	36			6									
Jack-knifed or overturned, roadway	27			5									
Ran off roadway	5												
Nonroadway incident involving motorized land vehicles	17												
Nonroadway collision with other vehicle	1												
Collision between a moving and standing vehicle, nonroadway Nonroadway collision with object other than vehicle	1 5												
Nonroadway noncollision incident	11												
Jack-knifed or overturned, nonroadway	10												
Fires and explosions	7												
Falls, slips, trips	88			50						15		3	
Falls to lower level	71			50									
Fall from collapsing structure or equipment	7												
Fall through surface or existing opening	10												
Fall through surface or existing opening 16 to 20 feet	6												
Other fall to lower level	54			37									
Other fall to lower level less than 6 feet	9			3									
Other fall to lower level 6 to 10 feet	15			10									
Other fall to lower level 11 to 15 feet	11			11]			
Other fall to lower level 16 to 20 feet	8									1			
Other fall to lower level more than 30 feet Exposure to harmful substances or environments	54]	20	-		13] -[
Exposure to narmrul substances or environments Exposure to electricity	21			20 14] 3		13			5			
Indirect exposure to electricity	10			14 6]					3			
Indirect exposure to electricity, greater than 220	10			6]								
volts					1								
Exposure to other harmful substances	23				4					1			

Nonmedical use of drugs or alcoholunintentional overdose	13		 	3					 	
Inhalation of harmful substance	6		 						 	
Inhalation of harmful substancesingle episode	6		 						 	
Contact with objects and equipment	66		 18	11		14			 	
Struck by object or equipment	38		 10	4					 	
Struck by powered vehiclenontransport	15		 3						 	
Struck or run over by rolling powered vehicle	6		 						 	
Struck by other falling powered vehicle	3		 						 	
Struck by falling object or equipmentother than powered	12		 3						 	
vehicle										
Struck by object falling from vehicle or machineryother than vehicle part	6		 						 	
Struck by discharged or flying object	4		 						 	
Struck by swinging or slipping object, other than handheld	4		 						 	
Caught in or compressed by equipment or objects	18		 	7					 	
Caught in running equipment or machinery	12		 	5					 	
Caught in running equipment or machinery during	7		 	3					 	
maintenance, cleaning										
Caught in running equipment or machinery during regular operation	5		 						 	

¹ CFOI has used several versions of the North American Industry Classification System (NAICS) since 2003 to define industry. For complete information on the version of NAICS used in this year, see our definitions page at http://www.bls.gov/iif/oshcfdef.htm. Cases where ownership is unknown are included in private industry counts. Cases classified as foreign government and other government are included in all government counts, but not displayed separately. Cases where industry is unknown are included in the service sector counts.

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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.