

Fatal occupational injuries by selected worker characteristics and selected industry, All U.S., all ownerships, 2016

Characteristic	All industries <sup>(1)(2)</sup> 2016	Construction of buildings (code 236XXX) 2016
<b>Total:</b>	5190	182
<b>Employee status:</b>		
Wage and salary workers <sup>(3)</sup>	4098	133
Self-employed <sup>(4)</sup>	1092	49
<b>Gender:</b>		
Women	387	—
Men	4803	180
<b>Age:</b>		
Under 16 years	13	—
16 to 17 years	17	—
18 to 19 years	43	—
20 to 24 years	310	8
25 to 34 years	834	22
35 to 44 years	979	40
45 to 54 years	1145	48
55 to 64 years	1160	47
65 years and over	688	16
<b>Race or ethnic origin<sup>(5)</sup>:</b>		
White, non-Hispanic	3481	124
Black or African-American, non-Hispanic	587	10
Hispanic or Latino	879	42
American Indian or Alaska Native, non-Hispanic	38	4
Asian, non-Hispanic	160	—
Native Hawaiian or Pacific Islander, non-Hispanic	7	—
Person of multiple races, non-Hispanic	15	—
Other races or not reported, non-Hispanic	23	—
<b>Event or exposure<sup>(6)</sup>:</b>		
Violence and other injuries by persons or animals	866	16
Intentional injury by person	792	14
Homicides (Intentional injury by other person)	500	7
Suicides (Self-inflicted injury--intentional)	291	7
Transportation incidents	2083	27

Aircraft incidents	130	—
Pedestrian vehicular incident	342	6
Roadway incidents involving motorized land vehicle	1252	17
Roadway collision with other vehicle	628	10
Roadway noncollision incident	278	—
Nonroadway incidents involving motorized land vehicles	245	3
Nonroadway noncollision incident	182	—
Jack-knifed or overturned, nonroadway	120	—
Fires and explosions	88	—
<b>Falls, slips, trips</b>	<b>849</b>	<b>80</b>
Falls on same level	134	—
Falls to lower level	697	76
Fall from collapsing structure or equipment	65	6
Fall through surface or existing opening	87	9
Exposure to harmful substances or environments	518	28
Exposure to electricity	154	8
Exposure to temperature extremes	48	—
<b>Contact with objects and equipment</b>	<b>761</b>	<b>27</b>
Struck by object or equipment	553	13
Struck by powered vehicle--nontransport	232	7
Struck by falling object or equipment--other than powered vehicle	255	4
Caught in or compressed by equipment or objects	117	3
Caught in running equipment or machinery	103	—

**Primary source<sup>(6)(7)</sup>:**

Chemicals and chemical products	267	19
Containers, furniture, and fixtures	71	1
Machinery	390	16
Agriculture and garden machinery	73	—
Construction, logging, and mining machinery	147	4
Material and personnel handling machinery	105	8
Parts and materials	177	5
Machine, tool, and electric parts	69	—
Persons, plants, animals, and minerals	1090	16
Person-other than injured or ill worker	520	8
Relative or domestic partner of injured or ill worker	43	1
Co-worker or work associate of injured or ill worker	74	—
Assailant, suspect, inmate	259	3
Robber	152	3
Plants, trees, vegetation--not processed	173	—
Trees, logs, limbs	165	—
Structures and surfaces	602	59
Buildings--office, plant, residential	43	3
Structures other than buildings	101	13
Scaffolds, staging	70	12
Other structural elements	199	29

Roofs	151	23
Tools, instruments, and equipment	223	26
Ladders	183	24
<b>Vehicles</b>	<b>2246</b>	<b>34</b>
Highway vehicles, motorized	1693	26
Passenger vehicles--automobiles, buses, and passenger vans	374	2
Trucks--motorized freight hauling and utility	999	11
Multi-purpose highway vehicles	317	13
Off-road and industrial vehicles--powered	322	7
Industrial vehicles, material hauling and transport--powered	77	6
Forklift, order picker, platform truck--powered	72	6
Tractors, PTOs	168	1

#### Secondary source<sup>(6)(8)</sup>:

Chemicals and chemical products	48	—
Containers, furniture, and fixtures	58	3
Machinery	142	4
Parts and materials	263	17
Machine, tool, and electric parts	104	9
Persons, plants, animals, and minerals	262	5
Plants, trees, vegetation--not processed	241	5
Trees, logs, limbs	236	5
Structures and surfaces	458	8
Confined spaces	38	2
Structures other than buildings	165	1
Floors, walkways, ground surfaces	137	1
Tools, instruments, and equipment	706	15
Vehicles	862	13
Highway vehicles, motorized	751	11
Off-road and industrial vehicles--powered	35	—

#### Nature<sup>(6)</sup>:

Traumatic injuries to bones, nerves, spinal cord	198	7
Traumatic injuries to muscles, tendons, ligaments, joints, etc.	28	—
Open wounds	648	10
Gunshot wounds	545	4
Surface wounds and bruises	5	—
Burns and corrosions	76	—
Intracranial injuries	795	44
Effects of environmental conditions	45	—
Multiple traumatic injuries and disorders	1940	63
Burns and other injuries, except fractures	100	1
Intracranial injuries and injuries to internal organs	362	12
Other traumatic injuries and disorders	1446	54
Asphyxiations, strangulations, suffocations	279	10
Drownings	148	1

Electrocutions, electric shocks	155	8
Internal injuries to organs and blood vessels of the trunk	542	17
Other poisoning, toxic, noxious, or allergenic effects	318	18

#### Part of body<sup>(6)</sup>:

Head	1018	47
Neck, including throat	258	8
Trunk	854	24
Chest, including ribs, internal organs	379	5
Back, including spine, spinal cord	60	—
Upper extremities	29	1
Lower extremities	74	—
Body systems	792	34
Multiple body parts	2165	67
Head and neck	122	7
Head, neck, and trunk	154	5
Head and trunk	388	12
Other multiple body parts	476	15
Whole Body	64	3

#### Worker activity:

Vehicular and transportation operations	2154	31
Using or operating tools, machinery	392	11
Constructing, repairing, cleaning	1023	96
Protective service activities	160	—
Materials handling operations	230	4
Physical activities	342	17
Other activities	444	5
Tending a retail establishment, waiting on customers	185	—

#### Location:

Private residence	597	95
Farm	411	—
Mine and quarry	26	—
Industrial place and premises	1061	56
Place for recreation and sport	91	—
Street and highway	1684	21
Public building	586	3
Residential institution	37	—

#### Occupation<sup>(9)</sup>:

Management occupations	377	—
Business and financial operations occupations	27	—
Computer and mathematical occupations	16	—
Architecture and engineering occupations	41	—
Life, physical, and social science occupations	15	—

Community and social services occupations	27	—
Legal occupations	13	—
Education, training, and library occupations	32	—
Arts, design, entertainment, sports, and media occupations	64	—
Healthcare practitioners and technical occupations	60	—
Healthcare support occupations	30	—
Protective service occupations	281	—
Food preparation and serving related occupations	92	—
Building and grounds cleaning and maintenance occupations	329	—
Personal care and service occupations	55	—
Sales and related occupations	254	—
Office and administrative support occupations	78	—
Farming, fishing, and forestry occupations	290	—
<b>Construction and extraction occupations</b>	<b>970</b>	<b>161</b>
Installation, maintenance, and repair occupations	470	8
Production occupations	216	6
Transportation and material moving occupations	1388	4
Military specific occupations <sup>(10)</sup>	62	—

Footnotes:

(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: <https://www.bls.gov/iif/oshcfdef.htm>.

(2) 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.

(3) May include volunteers and workers receiving other types of compensation.

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

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

(7) 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.

(8) 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.

(9) 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: <https://www.bls.gov/iif/oshcfdef.htm>.

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

NOTE: Totals for major categories may include subcategories not shown separately. Dashes indicate no data reported or data that do not meet publication criteria. N.e.c. means "not elsewhere classified." CFOI fatality counts exclude illness-related deaths unless precipitated by an injury event. Data for all years are final unless footnoted by "P" for preliminary data.

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, Dec 29, 2017