

Fatal occupational injuries, total hours worked, and rates of fatal occupational injuries by selected worker characteristics, occupations, and industries, civilian workers, 2013

Characteristic	Total fatal injuries	Total hours worked ¹ (millions)	Fatal injury rate ²
Total	4,585	268,127	3.3
Employee Status			
Wage and salary workers ³	3,635	251,637	2.8
Self-employed ⁴	950	16,025	11.8
Gender			
Men	4,265	151,645	5.4
Women	319	116,591	0.5
Age			
18 to 19 years	57	3,806	2.6
20 to 24 years	279	22,561	2.2
25 to 34 years	777	59,946	2.5
35 to 44 years	853	60,055	2.8
45 to 54 years	1,115	63,905	3.4
55 to 64 years	933	44,912	4.1
65 years and over	557	11,764	9.2
Race or ethnic origin⁵			
White (non-Hispanic)	3,125	177,818	3.4
Black or African-American (non-Hispanic)	439	28,021	3.1
Asian (non-Hispanic)	125	15,478	1.6
Hispanic or Latino	817	41,457	3.9
Occupation⁶			
Civilian Occupations			
Management, professional, and related occupations			
Management, business, and financial operations occupations	671	106,269	1.2
Management occupations	429	47,297	1.8
Farmers, ranchers, and other agricultural managers	408	33,992	2.4
Construction managers	231	2,004	22.9
Food service managers	15	1,709	1.8
Property, real estate, and community association managers	36	2,394	3.0
Business and financial operations occupations	20	1,178	3.4
Professional and related occupations	21	13,276	0.3
Architecture and engineering occupations	242	59,084	0.8
Life, physical, and social science occupations	37	5,761	1.3
Community and social service occupations	25	2,521	2.0
Legal occupations	20	4,378	0.8
Education, training, and library occupations	16	3,695	0.9
Arts, design, entertainment, sports, and media occupations	20	14,371	0.3
Athletes, coaches, umpires, and related workers	52	4,943	2.0
Healthcare practitioners and technical occupations	20	425	8.9
Registered nurses	60	15,404	0.8
Service occupations	15	5,187	0.6
Healthcare support occupations	632	43,329	2.7
Protective service occupations	18	6,007	0.6
Fire fighters	249	6,225	6.9
Police and sheriff's patrol officers	53	806	8.2
Security guards and gaming surveillance officers	79	1,457	10.6
Food preparation and serving related occupations	58	1,575	7.1
Supervisors of food preparation and serving workers	68	12,717	1.0
Building and grounds cleaning and maintenance occupations	23	1,093	4.0
First-line supervisors of landscaping, lawn service, and groundskeeping workers	249	9,497	5.1
Registered nurses	39	502	15.5

see footnotes at the end of table

Fatal occupational injuries, total hours worked, and rates of fatal occupational injuries by selected worker characteristics, occupations, and industries, civilian workers, 2013 - continued

Characteristic	Total fatal injuries	Total hours worked ¹ (millions)	Fatal injury rate ²
Janitors and building cleaners	45	3,837	2.2
Grounds maintenance workers	151	2,264	13.1
Personal care and service occupations	48	8,851	1.0
Sales and office occupations	295	59,770	1.0
Sales and related occupations	220	28,102	1.6
First-line supervisors/managers of retail sales workers	84	6,729	2.5
First-line supervisors/managers of non-retail sales workers	20	2,557	1.6
Cashiers	34	4,653	1.5
Retail salespersons	32	5,307	1.2
Office and administrative support occupations	75	31,695	0.5
Natural resources, construction, and maintenance occupations	1,447	25,679	11.1
Farming, fishing, and forestry occupations	232	1,886	23.9
Miscellaneous agricultural workers	125	1,335	17.8
Fishers and related fishing workers	27	72	75.0
Logging workers	59	127	91.3
Construction and extraction occupations	845	13,706	12.2
First-line supervisors/managers of construction trades and extraction workers	122	1,450	16.6
Carpenters	77	2,173	6.9
Construction laborers	220	2,410	18.1
Operating engineers and other construction equipment operators	25	745	6.7
Electricians	64	1,502	8.5
Painters, construction and maintenance	40	851	9.4
Pipelayers, plumbers, pipefitters, and steamfitters	38	1,035	7.3
Roofers	72	346	40.5
Mining machine operators	16	119	26.9
Other extraction workers	19	81	46.9
Installation, maintenance, and repair occupations	370	10,078	7.2
First-line supervisors/managers of mechanics, installers, and repairers	32	583	11.0
Automotive service technicians and mechanics	32	1,742	3.6
Bus and truck mechanics and diesel engine specialists	28	653	8.6
Heating, air conditioning, and refrigeration mechanics and installers	29	762	7.6
Industrial machinery installation, repair, and maintenance workers	27	932	5.8
Maintenance and repairs workers, general	71	915	15.3
Electrical power-line installers and repairers	27	251	21.5
Telecommunications line installers and repairers	15	381	7.9
Production, transportation, and material moving occupations	1,468	33,122	8.8
Production occupations	213	16,406	2.6
First-line supervisors/managers of production and operating workers	27	1,558	3.5
Welding, soldering, and brazing workers	47	1,208	7.8
Transportation and material moving occupations	1,255	16,669	14.9
Aircraft pilots and flight engineers	64	241	50.6
Driver/sales workers and truck drivers	806	6,805	23.6
Taxi drivers and chauffeurs	61	650	17.8
Industrial truck and tractor operators	29	1,127	5.1
Laborers and freight, stock, and material movers, hand	95	3,104	6.1
Refuse and recyclable material collectors	33	200	33.0
Industry⁷			
Private industry	4,101	231,220	3.5
Goods producing	1,795	53,929	6.6
Natural resources and mining⁸	655	6,746	19.2
Agriculture, forestry, fishing and hunting	500	4,238	23.2
Crop production	224	1,898	22.9
Animal production	136	1,715	15.6

see footnotes at the end of table

Fatal occupational injuries, total hours worked, and rates of fatal occupational injuries by selected worker characteristics, occupations, and industries, civilian workers, 2013 - continued

Characteristic	Total fatal injuries	Total hours worked¹ (millions)	Fatal injury rate²
Logging	77	178	86.5
Fishing, hunting, and trapping	26	82	63.4
Support activities for agriculture and forestry	29	337	17.2
Mining, quarrying, and oil and gas extraction	155	2,508	12.4
Mining (except oil and gas)	40	530	15.1
Coal mining	20	192	20.8
Nonmetallic mineral mining and quarrying	17	234	14.5
Support activities for mining	103	1,695	12.2
Construction	828	16,972	9.7
Manufacturing	312	30,211	2.1
Food manufacturing	49	3,388	2.9
Wood product manufacturing	29	810	7.2
Chemical manufacturing	18	2,589	1.4
Nonmetallic mineral product manufacturing	32	846	7.6
Cement, concrete, lime, and gypsum product manufacturing	24	282	17.0
Primary metal manufacturing	17	1,062	3.2
Fabricated metal product manufacturing	47	2,229	4.2
Machinery manufacturing	26	2,536	2.1
Transportation equipment manufacturing	20	4,599	0.9
Service providing	2,306	177,003	2.6
Trade, transportation, and utilities	1,221	47,699	5.1
Wholesale trade	201	7,484	5.3
Merchant wholesalers, durable goods	111	3,587	6.1
Machinery, equipment, and supplies, merchant wholesalers	18	814	4.2
Recyclable material merchant wholesalers	20	223	17.9
Merchant wholesalers, nondurable goods	87	3,624	4.8
Groceries and related products, merchant wholesalers	23	1,746	2.6
Retail trade	263	27,936	1.9
Motor vehicle and parts dealers	44	3,961	2.2
Automobile dealers	26	2,699	1.9
Auto parts, accessories, and tire stores	15	1,029	2.9
Building material and garden equipment and supplies dealers	24	2,641	1.8
Food and beverage stores	45	5,326	1.7
Grocery stores	41	4,649	1.8
Gasoline stations	34	913	7.4
Miscellaneous store retailers	29	1,829	3.1
Nonstore retailers	24	999	4.8
Transportation and warehousing	733	10,477	14.0
Air transportation	24	1,013	4.7
Truck transportation	493	3,827	25.7
Transit and ground passenger transportation	66	1,120	11.8
Bus service and urban transit	15	587	5.1
Taxi and limousine service	51	533	19.1
Support activities for transportation	69	1,523	9.1
Couriers and messengers	29	1,325	4.4
Warehousing and storage	17	852	4.0
Utilities	24	1,802	2.6
Information	40	5,489	1.5
Financial activities	87	18,889	0.9
Finance and insurance	21	13,707	0.3
Real estate and rental and leasing	66	5,188	2.5
Real estate	48	4,462	2.2
Rental and leasing services	18	728	4.9
Professional and business services	430	31,046	2.8
Professional, scientific, and technical services	87	19,358	0.9

see footnotes at the end of table

Fatal occupational injuries, total hours worked, and rates of fatal occupational injuries by selected worker characteristics, occupations, and industries, civilian workers, 2013 - continued

Characteristic	Total fatal injuries	Total hours worked ¹ (millions)	Fatal injury rate ²
Architectural, engineering and related services	33	2,913	2.3
Management, administrative, and waste services	343	11,694	5.8
Employment services	44	1,779	4.9
Investigation and security services	36	1,427	5.0
Services to buildings and dwellings (except landscaping services)	34	2,418	2.8
Landscaping services	158	2,370	13.2
Waste management and remediation services	51	913	11.2
Educational and health services	135	39,936	0.7
Educational services	32	7,551	0.8
Health care and social assistance	103	32,413	0.6
Ambulatory health care services	42	13,221	0.6
Hospitals	26	10,301	0.5
Social assistance	21	4,448	0.9
Leisure and hospitality	207	21,514	1.9
Arts, entertainment, and recreation	69	4,592	2.8
Performing arts, spectator sports, and related industries	35	1,380	4.9
Amusement, gambling, and recreation industries (except bowling centers)	28	2,925	1.8
Accommodation and food services	138	16,924	1.6
Accommodation	24	2,669	1.8
Traveler accommodation	16	2,502	1.3
Food services and drinking places	114	14,278	1.6
Restaurants and other food services	82	13,893	1.2
Drinking places (alcoholic beverages)	32	378	16.4
Other services (except public administration)	186	12,429	2.7
Repair and maintenance	111	4,094	5.3
Automotive repair and maintenance (except car washes)	62	2,495	4.9
Personal and laundry services	33	4,056	1.6
Religious, grantmaking, civic, professional, and similar organizations	40	3,258	1.4
Government⁹	484	37,095	2.0
Federal government	129	6,700	1.7
State government	72	11,486	1.3
Local government	282	18,927	2.6

¹ The total hours worked figures are annual average estimates of total at work multiplied by average hours for civilians, 16 years of age and older, from the Current Population Survey (CPS), 2013.

² The rate represents the number of fatal occupational injuries per 100,000 full-time equivalent workers and was calculated as: (N/EH) x 200,000,000 where

N = the number of fatal work injuries

EH = total hours worked by all employees during the calendar year

200,000,000 = base for 100,000 equivalent full-time workers (working 40 hours per week, 50 weeks per year)

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 Occupation data are based on the 2010 Standard Occupational Classification (SOC) system, 2010.

⁷ Industry data are based on the North American Industry Classification System (NAICS), 2007.

⁸ Includes fatal injuries at all establishments categorized as Mining, Quarrying, and Oil and Gas Extraction (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.

⁹ Includes fatal injuries to workers employed by governmental organizations regardless of industry.

Note: Selected rate categories had 15 or more reported fatal work injuries in 2013 and 40 million or more work hours (20,000 full-time equivalent employees). Rates produced in prior years may not appear if they do not meet this threshold in 2013. Totals for major categories may include subcategories not shown separately. Figures may not add to totals because of rounding. Workers under the age of 16 years, volunteer workers, and members of the resident military are not included in rate calculations to maintain consistency with the CPS employment. The total fatal injuries column represents total published fatal injuries before the exclusions. CFOI fatality counts exclude illness-related deaths unless precipitated by an injury event. Data for all years are revised and final.

Source: U.S. Department of Labor, Bureau of Labor Statistics, Census of Fatal Occupational Injuries, 2015.