

Fatal occupational injuries, total hours worked, and rates of fatal occupational injuries by selected worker characteristics, occupations, and industries, civilian workers, 2014

Characteristic	Total fatal injuries ¹	Total hours worked ² (millions)	Fatal injury rate ³
Total	4,821	272,663	3.4
Employee Status			
Wage and salary workers ⁴	3,728	256,901	2.8
Self-employed ⁵	1,093	15,956	13.6
Gender			
Men	4,454	154,791	5.6
Women	367	118,054	0.6
Age			
18 to 19 years	42	3,832	2.0
20 to 24 years	292	23,070	2.3
25 to 34 years	753	61,437	2.4
35 to 44 years	860	60,683	2.8
45 to 54 years	1,161	64,164	3.6
55 to 64 years	1,007	45,965	4.3
65 years and over	684	12,294	10.7
Race or ethnic origin⁶			
White (non-Hispanic)	3,332	179,238	3.6
Black or African-American (non-Hispanic)	475	29,011	3.2
Asian (non-Hispanic)	137	15,729	1.7
Hispanic or Latino	804	43,371	3.7
Occupation⁷			
Civilian Occupations			
Management, professional, and related occupations	704	108,678	1.3
Management, business, and financial operations occupations	468	48,006	1.9
Management occupations	440	34,336	2.5
Farmers, ranchers, and other agricultural managers	270	2,003	26.7
Construction managers	15	1,512	2.0
Food service managers	22	2,400	1.8
Property, real estate, and community association managers	20	1,231	3.2
Business and financial operations occupations	28	13,672	0.4
Professional and related occupations	236	60,781	0.7
Computer and mathematical occupations	16	8,556	0.4
Architecture and engineering occupations	35	5,735	1.2
Life, physical, and social science occupations	18	2,625	1.3
Community and social service occupations	33	4,622	1.1
Education, training, and library occupations	27	14,491	0.4
Arts, design, entertainment, sports, and media occupations	47	5,051	1.6
Athletes, coaches, umpires, and related workers	19	426	7.5
Healthcare practitioners and technical occupations	53	15,975	0.7
Service occupations	597	43,061	2.6
Protective service occupations	213	6,272	6.1
Police and sheriff's patrol officers	97	1,437	13.5
Security guards and gaming surveillance officers	40	1,660	4.7
Food preparation and serving related occupations	55	12,515	0.9
First-line supervisors of food preparation and serving workers	19	1,021	3.7
Building and grounds cleaning and maintenance occupations	252	9,709	5.1
First-line supervisors of landscaping, lawn service, and groundskeeping workers	33	403	16.4
Janitors and building cleaners	48	3,942	2.4
Grounds maintenance workers	158	2,374	13.1
Personal care and service occupations	63	8,651	1.4

see footnotes at the end of table

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Characteristic	Total fatal injuries ¹	Total hours worked ² (millions)	Fatal injury rate ³
Sales and office occupations	339	59,874	1.1
Sales and related occupations	239	29,731	1.6
First-line supervisors of retail sales workers	89	6,800	2.6
First-line supervisors of non-retail sales workers	35	2,580	2.7
Cashiers	35	4,561	1.5
Retail salespersons	38	5,483	1.3
Office and administrative support occupations	100	31,516	0.6
Natural resources, construction, and maintenance occupations	1,567	26,762	11.5
Farming, fishing, and forestry occupations	259	2,027	24.7
Miscellaneous agricultural workers	146	1,480	18.9
Fishers and related fishing workers	22	52	80.8
Logging workers	78	137	110.9
Construction and extraction occupations	902	14,800	12.1
First-line supervisors of construction trades and extraction workers	130	1,450	17.9
Carpenters	59	2,173	5.2
Construction laborers	208	2,410	16.9
Operating engineers and other construction equipment operators	28	745	7.5
Electricians	79	1,502	10.4
Painters, construction and maintenance	46	851	10.8
Pipelayers, plumbers, pipefitters, and steamfitters	32	1,035	6.2
Roofers	83	346	47.4
Structural iron and steel workers	15	119	25.2
Other extraction workers	22	81	51.9
Installation, maintenance, and repair occupations	406	9,913	8.1
First-line supervisors of mechanics, installers, and repairers	38	618	12.3
Automotive service technicians and mechanics	33	1,770	3.7
Bus and truck mechanics and diesel engine specialists	30	688	8.4
Heating, air conditioning, and refrigeration mechanics and installers	29	764	7.3
Industrial machinery installation, repair, and maintenance workers	43	1,142	7.5
Maintenance and repairs workers, general	68	929	14.4
Electrical power-line installers and repairers	25	260	19.2
Telecommunications line installers and repairers	19	380	10.0
Production, transportation, and material moving occupations	1,558	34,242	9.0
Production occupations	212	16,893	2.5
First-line supervisors of production and operating workers	22	1,717	2.6
Welding, soldering, and brazing workers	39	1,295	6.0
Transportation and material moving occupations	1,346	17,379	15.4
Aircraft pilots and flight engineers	82	250	64.0
Driver/sales workers and truck drivers	880	7,123	24.7
Taxi drivers and chauffeurs	68	722	18.0
Industrial truck and tractor operators	37	1,137	6.3
Laborers and freight, stock, and material movers, hand	87	3,322	5.1
Refuse and recyclable material collectors	27	151	35.8
Industry⁸			
Private industry	4,386	235,888	3.7
Goods producing	2,015	56,019	7.1
Natural resources and mining⁹	767	7,021	21.4
Agriculture, forestry, fishing and hunting	584	4,460	25.6
Crop production	251	2,201	22.4
Animal production and aquaculture	166	1,657	19.3
Logging	92	180	100.0
Fishing, hunting, and trapping	25	70	68.6
Support activities for agriculture and forestry	44	308	28.6
Mining, quarrying, and oil and gas extraction⁹	183	2,561	14.2
Oil and gas extraction	18	231	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, 2014 - continued

Characteristic	Total fatal injuries ¹	Total hours worked ² (millions)	Fatal injury rate ³
Mining (except oil and gas)	38	467	15.8
Nonmetallic mineral mining and quarrying	19	170	22.4
Support activities for mining	127	1,842	13.8
Construction	899	18,168	9.8
Manufacturing	349	30,830	2.3
Food manufacturing	56	3,398	3.3
Animal slaughtering and processing	19	996	3.8
Wood product manufacturing	42	377	22.3
Chemical manufacturing	27	2,752	2.0
Plastics and rubber products manufacturing	15	979	3.1
Nonmetallic mineral product manufacturing	39	857	9.1
Cement, concrete, lime, and gypsum product manufacturing	30	312	19.2
Primary metal manufacturing	28	1,093	5.1
Fabricated metal product manufacturing	34	2,315	2.9
Machinery manufacturing	24	2,724	1.8
Transportation equipment manufacturing	32	4,765	1.3
Service providing	2,371	179,797	2.6
Trade, transportation, and utilities	1,246	49,281	5.0
Wholesale trade	191	7,430	5.1
Merchant wholesalers, durable goods	105	2,798	7.5
Machinery, equipment, and supplies, merchant wholesalers	27	817	6.6
Recyclable material merchant wholesalers	24	221	21.7
Merchant wholesalers, nondurable goods	84	3,676	4.6
Groceries and related products, merchant wholesalers	16	1,718	1.9
Retail trade	272	28,997	1.9
Motor vehicle and parts dealers	47	3,963	2.4
Automobile dealers	23	2,690	1.7
Auto parts, accessories, and tire stores	21	1,023	4.1
Building material and garden equipment and supplies dealers	27	2,677	1.9
Food and beverage stores	69	5,499	2.5
Grocery stores	51	4,731	2.2
Gasoline stations	29	943	6.2
Miscellaneous store retailers	24	1,883	2.4
Nonstore retailers	16	1,118	2.9
Transportation and warehousing	766	10,897	14.1
Air transportation	35	949	7.4
Truck transportation	503	4,208	23.9
Transit and ground passenger transportation	69	1,202	11.5
Taxi and limousine service	56	599	18.7
Support activities for transportation	81	1,426	11.4
Couriers and messengers	36	1,360	5.3
Warehousing and storage	16	909	3.5
Utilities	17	1,957	1.7
Information	35	5,759	1.2
Financial activities	117	18,852	1.2
Finance and insurance	29	13,635	0.4
Real estate and rental and leasing	88	5,236	3.4
Real estate	59	4,563	2.6
Rental and leasing services	29	673	8.6
Professional and business services	425	31,497	2.7
Professional, scientific, and technical services	80	19,780	0.8
Architectural, engineering, and related services	31	2,826	2.2
Management, administrative, and waste services	345	11,722	5.8
Employment services	39	1,692	4.6

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, 2014 - continued

Characteristic	Total fatal injuries ¹	Total hours worked ² (millions)	Fatal injury rate ³
Investigation and security services	27	1,400	3.9
Services to buildings and dwellings (except landscaping services)	39	2,401	3.2
Landscaping services	162	2,406	13.2
Waste management and remediation services	55	989	10.9
Educational and health services	146	40,633	0.7
Educational services	40	7,843	1.0
Health care and social assistance	106	32,763	0.6
Ambulatory health care services	41	12,691	0.6
Hospitals	18	11,106	0.3
Social assistance	33	4,468	1.3
Leisure and hospitality	216	21,334	2.0
Arts, entertainment, and recreation	81	4,418	3.4
Performing arts, spectator sports, and related industries	32	1,313	4.6
Amusement, gambling, and recreation industries (except bowling centers)	41	2,797	2.7
Accommodation and food services	135	16,929	1.6
Accommodation	28	2,749	2.0
Traveler accommodation	18	2,591	1.4
Food services and drinking places	107	14,172	1.5
Restaurants and other food services	85	13,754	1.2
Drinking places (alcoholic beverages)	22	427	9.8
Other services (except public administration)	186	12,440	2.7
Repair and maintenance	111	4,008	5.5
Automotive repair and maintenance (except car washes)	69	2,453	5.6
Personal and laundry services	30	3,954	1.5
Religious, grantmaking, civic, professional, and similar organizations	43	3,341	1.6
Government¹⁰	435	36,860	1.9
Federal government	94	6,598	1.1
State government	72	11,397	1.2
Local government	269	18,882	2.6

¹ 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 Current Population Survey (CPS) employment. The total fatal injuries column represents total published fatal injuries before the exclusions.

² 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 CPS, 2014.

³ 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)

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.

⁷ Occupation data are based on the Standard Occupational Classification (SOC) system, 2010.

⁸ Industry data are based on the North American Industry Classification System (NAICS), 2012.

⁹ 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.

¹⁰ 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 2014 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 2014. Totals for major categories may include subcategories not shown separately. Figures may not add to totals because of rounding. CFOI fatality counts exclude illness-related deaths unless precipitated by an injury event.

Source: U.S. Bureau of Labor Statistics, Current Population Survey, Census of Fatal Occupational Injuries, 2016.