

Fatal occupational injuries, total hours worked, and rates of fatal occupational injuries by selected worker characteristics, occupations, and industries, civilian workers, 2010

Characteristic	Total Fatalities	Total hours worked ¹ (millions)	Fatality Rate ²
Total	4,547	255,948	3.5
Employee Status:			
Wage and salary workers	3,548	239,105	2.9
Self-employed	999	16,297	12.1
Gender:			
Men	4,192	144,099	5.7
Women	355	111,548	0.6
Age Category:			
16 to 17 years	19	1,148	3.1
18 to 19 years	53	3,631	2.7
20 to 24 years	240	20,578	2.2
25 to 34 years	756	57,213	2.6
35 to 44 years	849	59,318	2.8
45 to 54 years	1,124	64,280	3.4
55 to 64 years	921	40,026	4.5
65 years and over	565	9,393	11.5
Race³:			
White	3,279	176,371	3.6
Black or African American	384	26,467	2.8
Hispanic	682	36,146	3.7
Occupation:			
Civilian Occupations			
Management, professional, and related occupations			
Management, business, and financial operations occupations	829	99,621	1.7
Management occupations	558	43,307	2.6
Farm, ranch, and other agricultural managers	533	31,610	3.4
Farmers and ranchers	17	560	6.1
Construction managers	300	1,451	41.4
Food service managers	36	2,116	3.4
Property, real estate, and community association managers	24	2,122	2.3
Business and financial operations occupations	19	1,082	3.5
Professional and related occupations	25	11,682	0.4
Architecture and engineering occupations	271	56,360	1.0
Community and social services occupations	51	5,344	1.9
Education, training, and library occupations	24	4,360	1.1
Arts, design, entertainment, sports, and media occupations	30	14,187	0.4
Athletes, coaches, umpires, and related workers	53	4,758	2.1
Healthcare practitioner and technical occupations	22	372	11.3
Registered nurses	65	14,492	0.9
Service occupations	21	5,014	0.8
Protective service occupations	626	40,799	2.9
Fire fighters	258	6,527	7.4
Police and sheriff's patrol officers	23	801	3.2
Security guards and gaming surveillance officers	133	1,478	18.0
Food preparation and serving related occupations	52	1,838	5.7
Supervisors, food preparation and serving workers	60	11,710	1.0
Building and grounds cleaning and maintenance occupations	21	1,042	4.0
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	226	8,743	5.0
Janitors and building cleaners	31	453	13.2
Janitors and building cleaners	34	3,645	1.9

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, 2010 - continued

Characteristic	Total Fatalities	Total hours worked¹ (millions)	Fatality Rate²
Grounds maintenance workers	141	1,944	14.0
Personal care and service occupations	65	8,168	1.5
Sales and office occupations	342	59,296	1.1
Sales and related occupations	274	27,652	1.9
First-line supervisors/managers of retail sales workers	111	6,539	3.4
First-line supervisors/managers of non-retail sales workers	29	2,396	2.4
Cashiers	50	4,378	2.1
Retail salespersons	33	5,269	1.3
Office and administrative support occupations	68	31,742	0.4
Natural resources, construction, and maintenance occupations	1,371	24,799	10.8
Farming, fishing, and forestry occupations	260	1,905	25.3
Miscellaneous agricultural workers	156	1,344	20.7
Fishers and related fishing workers	29	50	116.0
Logging workers	59	124	91.9
Construction and extraction occupations	760	13,054	11.5
First-line supervisors/managers of construction trades and extraction workers	110	1,450	15.2
Carpenters	55	2,173	5.0
Construction laborers	193	2,410	15.6
Operating engineers and other construction equipment operators	41	745	11.0
Electricians	62	1,502	8.3
Painters, construction and maintenance	31	851	7.3
Pipelayers, plumbers, pipefitters, and steamfitters	30	1,035	5.8
Roofers	57	346	32.4
Mining machine operators	23	119	38.7
Miscellaneous extraction workers	26	81	64.2
Installation, maintenance, and repair occupations	351	9,819	7.0
First-line supervisors/managers of mechanics, installers, and repairers	26	825	6.3
Automotive service technicians and mechanics	37	1,588	4.7
Bus and truck mechanics and diesel engine specialists	25	694	7.2
Heating, air conditioning, and refrigeration mechanics and installers	25	775	6.5
Industrial machinery installation, repair, and maintenance workers	96	926	20.3
Maintenance and repairs workers, general	68	674	19.6
Electrical power-line installers and repairers	21	270	15.6
Telecommunications line installers and repairers	17	324	10.5
Production, transportation, and material moving occupations	1,337	31,119	8.5
Production occupations	222	15,629	2.8
First-line supervisors/managers of production and operating workers	35	1,500	4.7
Welding, soldering, and brazing workers	40	978	8.2
Transportation and material moving occupations	1,115	15,490	14.2
Aircraft pilots and flight engineers	78	201	70.6
Driver/sales workers and truck drivers	683	6,252	21.8
Taxi drivers and chauffeurs	55	764	14.1
Industrial truck and tractor operators	30	992	6.0
Laborers and freight, stock, and material movers, hand	90	2,859	6.1
Refuse and recyclable material collectors	26	161	29.8

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, 2010 - continued

Characteristic	Total Fatalities	Total hours worked ¹ (millions)	Fatality Rate ²
Private industry	4,070	217,500	3.7
Goods producing	1,839	50,327	7.2
Natural resources and mining	768	6,050	24.8
Agriculture, forestry, fishing, and hunting	596	4,318	26.8
Crop production	312	1,881	31.5
Animal production	151	1,798	16.7
Logging	67	188	71.3
Fishing, hunting, and trapping	29	76	76.3
Support activities for agriculture and forestry	33	353	18.7
Mining	172	1,733	19.8
Mining (except oil and gas)	61	449	27.2
Coal mining	43	221	38.9
Support activities for mining	99	1,087	18.2
Construction	751	15,767	9.5
Manufacturing	320	28,510	2.2
Food manufacturing	53	3,305	3.2
Chemical manufacturing	23	2,435	1.9
Nonmetallic mineral product manufacturing	17	853	4.0
Primary metal manufacturing	19	932	4.1
Fabricated metal product manufacturing	47	2,181	4.3
Machinery manufacturing	22	2,374	1.9
Transportation equipment manufacturing	30	3,953	1.5
Wood product manufacturing	32	781	8.2
Service providing	2,231	167,400	2.6
Trade, transportation, and utilities	1,141	46,596	4.9
Wholesale trade	185	7,720	4.8
Merchant wholesalers, durable goods	87	3,646	4.8
Machinery, equipment, and supplies, merchant wholesalers	26	722	7.2
Recyclable material merchant wholesalers	18	200	18.0
Merchant wholesalers, nondurable goods	91	3,826	4.8
Groceries and related products, merchant wholesalers	23	1,711	2.7
Retail trade	301	27,402	2.2
Motor vehicle and parts dealers	45	3,628	2.5
Automobile dealers	26	2,351	2.2
Building material and garden supply stores	32	1,655	3.9
Food and beverage stores	79	5,213	3.0
Grocery stores	64	4,542	2.7
Gasoline stations	50	808	12.4
Miscellaneous store retailers	17	1,879	1.6
Transportation and warehousing	631	9,591	13.1
Air transportation	31	926	6.3
Rail transportation	17	502	6.8
Truck transportation	396	3,584	22.1
Transit and ground passenger transportation	62	1,082	11.5
Bus service and urban transit	17	524	6.5
Taxi and limousine service	45	558	16.1
Support activities for transportation	63	1,308	9.5
Couriers and messengers	26	1,155	4.5
Warehousing and storage	19	731	4.9
Utilities	24	1,883	2.5
Information	42	5,768	1.5
Finance, insurance, real estate, and rental and leasing	108	17,694	1.2
Finance and insurance	23	12,826	0.4

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, 2010 - continued

Characteristic	Total Fatalities	Total hours worked ¹ (millions)	Fatality Rate ²
Real estate and rental and leasing	85	4,885	3.5
Real estate	61	4,111	3.0
Rental and leasing services	24	772	6.2
Professional, scientific, management, administrative	356	27,893	2.5
Professional, scientific, and technical services	76	17,263	0.9
Architectural, engineering and related services	30	2,808	2.1
Administrative and support and waste management services	280	10,611	5.2
Employment services	19	1,535	2.3
Investigation and security services	32	1,531	4.2
Services to buildings and dwellings (except landscaping services)	36	2,209	3.3
Landscaping services	130	1,969	12.8
Waste management and remediation services	52	811	12.8
Educational, health and social services	169	37,986	0.9
Educational services	30	7,088	0.8
Health care and social assistance	139	30,930	0.9
Ambulatory health care services	59	11,747	1.0
Hospitals	24	10,174	0.5
Nursing and residential care facilities	21	4,307	1.0
Social assistance	33	4,650	1.3
Arts, entertainment, recreation, accommodation, and food services	229	19,646	2.2
Arts, entertainment, and recreation	79	4,196	3.4
Performing arts, spectator sports, and related industries	43	1,270	5.8
Amusement, gambling, and recreation industries (except bowling centers)	34	2,626	2.6
Accommodation and food services	150	15,441	1.9
Accommodation	31	2,536	2.4
Traveler accommodation	22	2,379	1.8
Food services and drinking places	119	12,923	1.8
Restaurants and other food services	93	12,522	1.5
Drinking places, alcoholic beverages	26	405	12.8
Other services (except public administration)	186	11,817	3.0
Repair and maintenance	112	3,798	5.8
Automotive repair and maintenance (except car washes)	68	2,323	5.9
Personal and laundry services	39	3,836	2.0
Membership associations and organizations	34	3,268	1.5
Government	477	37,985	2.2
Federal	96	6,962	1.6
State	107	11,349	1.9
Local	267	19,634	2.5

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), 2010

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

NOTE: Data for 2010 are preliminary. Selected rate categories had 15 or more reported fatal work injuries in 2010 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 2010. 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 fatalities column represents total published fatalities before the exclusions. CFOI fatality counts exclude illness-related deaths unless precipitated by an injury event.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, Census of Fatal Occupational Injuries, 2011