

Fatal occupational injuries, total hours worked, and rates of fatal occupational injuries for civilian workers by selected worker characteristics, occupations, and industries, 2009

Characteristic	Total Fatalities	Total hours worked ¹ (millions)	Fatality Rate ²
Total	4,551	254,771	3.5
Employee Status:			
Wage and salary workers	3,488	237,869	2.8
Self-employed	1,063	16,578	12.7
Gender:			
Men	4,216	143,301	5.7
Women	335	111,460	0.6
Age Category:			
18 to 19 years	57	3,886	2.5
20 to 24 years	275	20,792	2.4
25 to 34 years	704	56,382	2.4
35 to 44 years	908	60,320	3.0
45 to 54 years	1,173	64,556	3.6
55 to 64 years	853	38,615	4.3
65 years and over	551	8,923	12.1
Race³:			
White	3,204	175,938	3.5
Black or African American	421	26,541	3.1
Hispanic	713	35,376	4.0
Occupation:			
Civilian Occupations			
Management, professional, and related occupations			
Management, business, and financial operations occupations	798	99,672	1.6
Management occupations	564	44,160	2.5
Farmers and ranchers	538	32,344	3.3
Construction managers	302	1,521	39.7
Food service managers	31	2,152	2.9
Property, real estate, and community association managers	25	2,226	2.2
Business and financial operations occupations	26	1,108	4.7
Professional and related occupations	26	11,760	0.4
Professional and related occupations	234	55,542	0.8
Architecture and engineering occupations	42	5,517	1.5
Community and social services occupations	32	4,329	1.4
Education, training, and library occupations	22	13,926	0.3
Arts, design, entertainment, sports, and media occupations	43	4,613	1.9
Athletes, coaches, umpires, and related workers	18	393	9.2
Healthcare practitioner and technical occupations	56	14,280	0.7
Service occupations			
Protective service occupations	634	40,422	3.0
Fire fighters	244	6,265	7.3
Police and sheriff's patrol officers	29	771	4.4
Security guards and gaming surveillance officers	96	1,470	12.9
Security guards and gaming surveillance officers	64	1,735	7.4
Food preparation and serving related occupations	59	11,645	1.0
Supervisors, food preparation and serving workers	15	1,128	2.7
Building and grounds cleaning and maintenance occupations	258	8,757	5.8
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	43	506	17.0
Janitors and building cleaners	41	3,574	2.2

see footnotes at the end of table

Fatal occupational injuries, total hours worked, and rates of fatal occupational injuries for civilian workers by selected worker characteristics, occupations, and industries, 2009 - continued

Characteristic	Total Fatalities	Total hours worked¹ (millions)	Fatality Rate²
Grounds maintenance workers	154	1,937	15.7
Personal care and service occupations	48	8,128	1.1
Sales and office occupations	383	59,745	1.3
Sales and related occupations	290	28,207	2.0
First-line supervisors/managers of retail sales workers	130	6,913	3.8
First-line supervisors/managers of non-retail sales workers	34	2,736	2.5
Cashiers	43	4,270	2.0
Retail salespersons	27	5,147	1.0
Office and administrative support occupations	93	31,608	0.6
Natural resources, construction, and maintenance occupations	1,403	24,926	11.1
Farming, fishing, and forestry occupations	239	1,785	25.8
Miscellaneous agricultural workers	124	1,302	17.7
Fishers and related fishing workers	57	56	203.6
Logging workers	36	110	65.5
Construction and extraction occupations	838	13,383	12.4
First-line supervisors/managers of construction trades and extraction workers	112	1,450	15.3
Carpenters	84	2,173	7.7
Construction laborers	229	2,410	18.8
Operating engineers and other construction equipment operators	41	745	11.0
Electricians	84	1,502	11.2
Painters, construction and maintenance	26	851	6.1
Pipelayers, plumbers, pipefitters, and steamfitters	38	1,035	7.3
Roofers	60	346	34.7
Structural iron and steel workers	18	119	30.3
Miscellaneous extraction workers	21	81	51.9
Installation, maintenance, and repair occupations	326	9,775	6.6
First-line supervisors/managers of mechanics, installers, and repairers	21	729	5.8
Automotive service technicians and mechanics	43	1,582	5.4
Bus and truck mechanics and diesel engine specialists	24	650	7.4
Heating, air conditioning, and refrigeration mechanics and installers	20	724	5.5
Industrial machinery installation, repair, and maintenance workers	81	867	18.5
Maintenance and repairs workers, general	49	794	12.1
Electrical power-line installers and repairers	19	258	14.7
Telecommunications line installers and repairers	17	364	9.3
Production, transportation, and material moving occupations	1,256	29,960	8.3
Production occupations	197	14,612	2.7
First-line supervisors/managers of production and operating workers	24	1,537	3.1
Welding, soldering, and brazing workers	40	908	8.8
Transportation and material moving occupations	1,059	15,380	13.6
Aircraft pilots and flight engineers	65	217	59.0
Driver/sales workers and truck drivers	647	6,363	20.2
Taxi drivers and chauffeurs	55	713	15.4
Industrial truck and tractor operators	21	978	4.3
Laborers and freight, stock, and material movers, hand	111	2,789	7.6
Refuse and recyclable material collectors	20	151	26.5

see footnotes at the end of table

Fatal occupational injuries, total hours worked, and rates of fatal occupational injuries for civilian workers by selected worker characteristics, occupations, and industries, 2009 - continued

Characteristic	Total Fatalities	Total hours worked ¹ (millions)	Fatality Rate ²
Private industry	4,090	217,057	3.7
Goods producing	1,827	50,460	7.2
Natural resources and mining	674	5,726	23.1
Agriculture, forestry, fishing, and hunting	575	4,147	27.2
Crop production	297	1,766	32.7
Animal production	143	1,867	15.1
Logging	50	171	58.5
Fishing, hunting, and trapping	59	83	142.2
Support activities for agriculture and forestry	22	242	17.4
Mining	99	1,580	12.4
Mining (except oil and gas)	29	488	11.9
Support activities for mining	58	933	12.4
Utilities	16	1,849	1.7
Construction	834	16,685	9.9
Manufacturing	319	28,049	2.3
Food manufacturing	48	3,100	3.1
Animal slaughtering and processing	15	908	3.3
Chemical manufacturing	18	2,511	1.4
Plastics and rubber products manufacturing	19	887	4.3
Nonmetallic mineral product manufacturing	27	954	5.7
Cement, concrete, lime, and gypsum product manufacturing	15	366	8.2
Primary metal manufacturing	16	921	3.5
Fabricated metal product manufacturing	38	2,103	3.6
Machinery manufacturing	22	2,353	1.9
Transportation equipment manufacturing	31	3,828	1.6
Wood product manufacturing	21	784	5.4
Service providing	2,263	166,343	2.7
Trade, transportation, and utilities	1,146	46,509	4.9
Wholesale trade	190	7,665	5.0
Merchant wholesalers, durable goods	97	3,652	5.3
Machinery, equipment, and supplies, merchant wholesalers	27	796	6.8
Recyclable material merchant wholesalers	17	189	18.0
Merchant wholesalers, nondurable goods	85	3,747	4.5
Groceries and related products, merchant wholesalers	26	1,666	3.1
Retail trade	307	27,469	2.2
Motor vehicle and parts dealers	55	3,632	3.0
Automobile dealers	30	2,436	2.5
Auto parts, accessories, and tire stores	21	936	4.5
Building material and garden supply stores	31	1,701	3.6
Food and beverage stores	80	5,080	3.1
Grocery stores	65	4,417	2.9
Gasoline stations	38	911	8.3
Miscellaneous store retailers	31	1,790	3.5
Nonstore retailers	17	982	3.5
Transportation and warehousing	633	9,527	13.3
Air transportation	28	928	6.0
Water transportation	16	165	19.4
Truck transportation	389	3,587	21.6
Transit and ground passenger transportation	59	1,124	10.5
Bus service and urban transit	15	565	5.3
Taxi and limousine service	44	559	15.7
Support activities for transportation	79	1,237	12.8
Couriers and messengers	29	1,166	5.0
Warehousing and storage	16	624	5.1
Information	33	5,874	1.1

see footnotes at the end of table

Fatal occupational injuries, total hours worked, and rates of fatal occupational injuries for civilian workers by selected worker characteristics, occupations, and industries, 2009 - continued

Characteristic	Total Fatalities	Total hours worked ¹ (millions)	Fatality Rate ²
Finance, insurance, real estate, and rental and leasing	108	18,075	1.2
Finance and insurance	33	13,063	0.5
Real estate and rental and leasing	75	5,005	3.0
Real estate	52	4,182	2.4
Rental and leasing services	23	832	5.5
Professional, scientific, management, administrative	422	27,221	3.1
Professional, scientific, and technical services	85	17,203	1.0
Architectural, engineering and related services	30	2,792	2.1
Administrative and support and waste management services	336	10,030	6.7
Employment services	24	1,314	3.7
Investigation and security services	37	1,440	5.1
Services to buildings and dwellings (except landscaping services)	37	2,082	3.6
Landscaping services	168	2,008	16.6
Waste management and remediation services	46	724	12.7
Educational, health and social services	150	36,879	0.8
Educational services	27	6,676	0.7
Health care and social assistance	123	30,284	0.8
Ambulatory health care services	54	11,323	1.0
Hospitals	30	10,039	0.5
Nursing and residential care facilities	24	4,344	1.1
Arts, entertainment, recreation, accommodation, and food services	231	19,857	2.2
Arts, entertainment, and recreation	80	4,248	3.6
Performing arts, spectator sports, and related industries	42	1,255	6.5
Amusement, gambling, and recreation industries (except bowling centers)	36	2,676	2.5
Accommodation and food services	151	15,634	1.9
Accommodation	32	2,527	2.5
Traveler accommodation	27	2,366	2.3
Food services and drinking places	119	13,101	1.8
Restaurants and other food services	87	12,702	1.3
Drinking places, alcoholic beverages	32	401	15.5
Other services (except public administration)	173	11,927	2.8
Repair and maintenance	112	3,845	5.8
Automotive repair and maintenance (except car washes)	77	2,393	6.4
Personal and laundry services	29	3,718	1.5
Membership associations and organizations	29	3,307	1.5
Government	461	37,822	1.9
Federal	122	6,822	1.4
State	75	11,199	1.3
Local	260	19,823	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), 2009

² The rate represents the number of fatal occupational injuries per 100,000 full-time equivalent workers and was calculated as:

$(N/EH) \times 200,000,000$ 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: Selected rate categories had 15 or more reported fatal work injuries in 2009 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 2009. 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. Data for all years are revised and final.

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