

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

<b>Characteristic</b>	<b>Total Fatal Injuries</b>	<b>Total hours worked<sup>1</sup> (millions)</b>	<b>Fatal Injury Rate<sup>2</sup></b>
<b>Total</b>	4,690	255,948	3.6
<b>Employee Status:</b>			
Wage and salary workers	3,651	239,105	3.0
Self-employed	1,039	16,297	12.6
<b>Gender:</b>			
Men	4,322	144,099	5.8
Women	368	111,548	0.6
<b>Age Category:</b>			
16 to 17 years	18	1,148	3.0
18 to 19 years	56	3,631	2.8
20 to 24 years	245	20,578	2.2
25 to 34 years	785	57,213	2.7
35 to 44 years	868	59,318	2.9
45 to 54 years	1,169	64,280	3.6
55 to 64 years	948	40,026	4.7
65 years and over	582	9,393	11.9
<b>Race<sup>3</sup>:</b>			
White	3,363	176,371	3.7
Black or African American	412	26,467	3.0
Hispanic	707	36,146	3.9
<b>Occupation:</b>			
<b>Civilian Occupations</b>			
<b>Management, professional, and related occupations</b>			
Management, business, and financial operations occupations	852	99,621	1.7
Management occupations	571	43,307	2.6
Farm, ranch, and other agricultural managers	545	31,610	3.4
Farmers and ranchers	15	560	5.4
Construction managers	308	1,451	42.5
Food service managers	36	2,116	3.4
Property, real estate, and community association managers	25	2,122	2.4
Business and financial operations occupations	19	1,082	3.5
Professional and related occupations	26	11,682	0.4
Architecture and engineering occupations	281	56,360	1.0
Community and social services occupations	53	5,344	2.0
Education, training, and library occupations	25	4,360	1.1
Arts, design, entertainment, sports, and media occupations	30	14,187	0.4
Athletes, coaches, umpires, and related workers	56	4,758	2.3
Healthcare practitioner and technical occupations	22	372	11.3
Registered nurses	67	14,492	0.9
Registered nurses	22	5,014	0.9
<b>Service occupations</b>			
Protective service occupations	638	40,799	3.0
Fire fighters	261	6,527	7.5
Police and sheriff's patrol officers	23	801	3.2
Security guards and gaming surveillance officers	134	1,478	18.1
Food preparation and serving related occupations	52	1,838	5.7
Supervisors, food preparation and serving workers	61	11,710	1.0
Supervisors, food preparation and serving workers	21	1,042	4.0

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 Fatal Injuries	Total hours worked <sup>1</sup> (millions)	Fatal Injury Rate <sup>2</sup>
Building and grounds cleaning and maintenance occupations	233	8,743	5.2
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	30	453	12.8
Janitors and building cleaners, except maids and housekeeping cleaners	38	3,645	2.0
Grounds maintenance workers	144	1,944	14.3
Personal care and service occupations	66	8,168	1.5
<b>Sales and office occupations</b>	350	59,296	1.2
Sales and related occupations	280	27,652	2.0
First-line supervisors/managers of retail sales workers	113	6,539	3.5
First-line supervisors/managers of non-retail sales workers	29	2,396	2.4
Cashiers	51	4,378	2.1
Retail salespersons	34	5,269	1.3
Office and administrative support occupations	70	31,742	0.4
<b>Natural resources, construction, and maintenance occupations</b>	1,419	24,799	11.2
Farming, fishing, and forestry occupations	276	1,905	27.0
Miscellaneous agricultural workers	161	1,344	21.4
Fishers and related fishing workers	38	50	152.0
Logging workers	60	124	93.5
Construction and extraction occupations	780	13,054	11.8
First-line supervisors/managers of construction trades and extraction workers	111	1,450	15.3
Carpenters	57	2,173	5.2
Construction laborers	202	2,410	16.3
Operating engineers and other construction equipment operators	42	745	11.3
Electricians	63	1,502	8.4
Painters, construction and maintenance	34	851	8.0
Pipelayers, plumbers, pipefitters, and steamfitters	32	1,035	6.2
Roofers	57	346	32.4
Mining machine operators	22	119	37.0
Miscellaneous extraction workers	26	81	64.2
Installation, maintenance, and repair occupations	363	9,819	7.3
First-line supervisors/managers of mechanics, installers, and repairers	27	825	6.5
Automotive service technicians and mechanics	39	1,588	4.9
Bus and truck mechanics and diesel engine specialists	26	694	7.5
Heating, air conditioning, and refrigeration mechanics and installers	25	775	6.5
Industrial machinery installation, repair, and maintenance workers	98	926	20.7
Maintenance and repairs workers, general	68	674	19.6
Electrical power-line installers and repairers	22	270	16.3
Telecommunications line installers and repairers	17	324	10.5
<b>Production, transportation, and material moving occupations</b>	1,385	31,119	8.8
Production occupations	225	15,629	2.9
First-line supervisors/managers of production and operating workers	37	1,500	4.9
Welding, soldering, and brazing workers	40	978	8.2
Transportation and material moving occupations	1,160	15,490	14.8
Aircraft pilots and flight engineers	78	201	70.6
Driver/sales workers and truck drivers	718	6,252	23.0
Taxi drivers and chauffeurs	57	764	14.7
Industrial truck and tractor operators	30	992	6.0
Laborers and freight, stock, and material movers, hand	93	2,859	6.2
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 Fatal Injuries	Total hours worked <sup>1</sup> (millions)	Fatal Injury Rate <sup>2</sup>
<b>Private industry</b>	4,206	217,500	3.8
<b>Goods producing</b>	1,896	50,327	7.4
<b>Natural resources and mining</b>	793	6,050	25.6
<b>Agriculture, forestry, fishing, and hunting</b>	621	4,318	27.9
Crop production	323	1,881	32.6
Animal production	153	1,798	16.9
Logging	70	188	74.5
Fishing, hunting, and trapping	37	76	97.4
Support activities for agriculture and forestry	35	353	19.8
<b>Mining</b>	172	1,733	19.8
Mining (except oil and gas)	60	449	26.7
Coal mining	43	221	38.9
Support activities for mining	100	1,087	18.4
<b>Construction</b>	774	15,767	9.8
<b>Manufacturing</b>	329	28,510	2.3
Food manufacturing	56	3,305	3.4
Wood product manufacturing	32	781	8.2
Chemical manufacturing	23	2,435	1.9
Nonmetallic mineral product manufacturing	18	853	4.2
Primary metal manufacturing	17	932	3.6
Fabricated metal product manufacturing	49	2,181	4.5
Machinery manufacturing	22	2,374	1.9
Transportation equipment manufacturing	31	3,953	1.6
<b>Service providing</b>	2,310	167,400	2.7
<b>Trade, transportation, and utilities</b>	1,189	46,596	5.1
<b>Wholesale trade</b>	191	7,720	4.9
Merchant wholesalers, durable goods	89	3,646	4.9
Machinery, equipment, and supplies, merchant wholesalers	27	722	7.5
Recyclable material merchant wholesalers	18	200	18.0
Merchant wholesalers, nondurable goods	95	3,826	5.0
Groceries and related products, merchant wholesalers	26	1,711	3.0
<b>Retail trade</b>	311	27,402	2.2
Motor vehicle and parts dealers	48	3,628	2.6
Automobile dealers	27	2,351	2.3
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	52	808	12.9
Miscellaneous store retailers	19	1,879	1.8
Nonstore retailers	15	911	3.3
<b>Transportation and warehousing</b>	661	9,591	13.7
Air transportation	32	926	6.5
Rail transportation	17	502	6.8
Truck transportation	416	3,584	23.2
Transit and ground passenger transportation	63	1,082	11.6
Bus service and urban transit	16	524	6.1
Taxi and limousine service	47	558	16.8
Support activities for transportation	67	1,308	10.1
Couriers and messengers	27	1,155	4.7
Warehousing and storage	20	731	5.2
<b>Utilities</b>	26	1,883	2.8
<b>Information</b>	43	5,768	1.5

see footnotes at the end of table

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<b>Finance, insurance, real estate, and rental and leasing</b>	113	17,694	1.3
Finance and insurance	24	12,826	0.4
Real estate and rental and leasing	89	4,885	3.6
Real estate	63	4,111	3.1
Rental and leasing services	26	772	6.7
<b>Professional, scientific, management, administrative</b>	364	27,893	2.6
Professional, scientific, and technical services	76	17,263	0.9
Architectural, engineering and related services	29	2,808	2.1
Administrative and support and waste management services	288	10,611	5.3
Employment services	19	1,535	2.3
Investigation and security services	34	1,531	4.4
Services to buildings and dwellings (except landscaping services)	38	2,209	3.3
Landscaping services	133	1,969	13.1
Waste management and remediation services	52	811	12.8
<b>Educational, health and social services</b>	171	37,986	0.9
Educational services	30	7,088	0.8
Health care and social assistance	141	30,930	0.9
Ambulatory health care services	61	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	1.2
<b>Arts, entertainment, recreation, accommodation, and food services</b>	238	19,646	2.3
Arts, entertainment, and recreation	84	4,196	3.6
Performing arts, spectator sports, and related industries	47	1,270	6.5
Amusement, gambling, and recreation industries (except bowling centers)	34	2,626	2.6
Accommodation and food services	154	15,441	2.0
Accommodation	32	2,536	2.4
Traveler accommodation	23	2,379	1.9
Food services and drinking places	122	12,923	1.9
Restaurants and other food services	94	12,522	1.5
Drinking places, alcoholic beverages	28	405	13.8
<b>Other services (except public administration)</b>	192	11,817	3.0
Repair and maintenance	117	3,798	6.1
Automotive repair and maintenance (except car washes)	70	2,323	6.0
Personal and laundry services	39	3,836	2.0
Membership associations and organizations	35	3,268	1.5
<b>Government</b>	484	37,985	2.2
Federal	101	6,962	1.6
State	109	11,349	1.9
Local	269	19,634	2.5

<sup>1</sup> 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

<sup>2</sup> 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)

<sup>3</sup> 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 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 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, 2012