

**Fatal occupational injuries, total hours worked, and rates of fatal occupational injuries by selected worker characteristics, occupations, and industries, civilian workers, 2012**

Characteristic	Total Fatal Injuries	Total hours worked <sup>1</sup> (millions)	Fatal Injury Rate <sup>2</sup>
<b>Total</b>	4,628	264,374	3.4
<b>Employee Status:</b>			
Wage and salary workers <sup>3</sup>	3,571	247,667	2.8
Self-employed <sup>4</sup>	1,057	16,246	12.8
<b>Gender:</b>			
Men	4,277	149,610	5.5
Women	351	114,558	0.6
<b>Age Category:</b>			
18 to 19 years	59	3,735	2.9
20 to 24 years	287	21,964	2.4
25 to 34 years	736	58,613	2.4
35 to 44 years	829	59,567	2.7
45 to 54 years	1,161	64,325	3.5
55 to 64 years	936	43,619	4.2
65 years and over	588	10,951	10.3
<b>Race<sup>5</sup>:</b>			
White (non-Hispanic)	3,177	177,029	3.5
Black or African-American (non-Hispanic)	486	27,220	3.5
Asian (non-Hispanic)	147	14,555	2.0
Hispanic or Latino	748	39,894	3.7
<b>Occupation<sup>6</sup>:</b>			
<b>Civilian Occupations</b>			
<b>Management, professional, and related occupations</b>	694	104,536	1.3
Management, business, and financial operations occupations	467	46,920	2.0
Management occupations	445	33,843	2.6
Farmers, ranchers, and other agricultural managers	232	2,024	22.8
Construction managers	24	2,002	2.4
Food service managers	27	2,394	2.3
Property, real estate, and community association managers	30	1,171	5.0
Business and financial operations occupations	22	12,996	0.3
Professional and related occupations	227	57,615	0.7
Architecture and engineering occupations	35	5,838	1.2
Life, physical, and social science occupations	21	2,536	1.7
Community and social service occupations	39	4,215	1.5
Education, training, and library occupations	25	14,046	0.4
Arts, design, entertainment, sports, and media occupations	43	4,773	1.8
Athletes, coaches, umpires, and related workers	23	354	13.0
Healthcare practitioners and technical occupations	48	14,829	0.6
<b>Service occupations</b>	620	42,391	2.8
Protective service occupations	231	6,205	6.7
Police and sheriff's patrol officers	105	1,384	15.0
Security guards and gaming surveillance officers	51	1,666	6.1
Food preparation and serving related occupations	57	12,414	0.9
Building and grounds cleaning and maintenance occupations	255	9,268	5.4
First-line supervisors of landscaping, lawn service, and groundskeeping workers	40	530	14.7
Janitors and building cleaners	35	3,705	1.8
Grounds maintenance workers	159	2,194	14.2
Personal care and service occupations	65	8,546	1.5
<b>Sales and office occupations</b>	314	59,216	1.0
Sales and related occupations	225	27,907	1.6

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, 2012 - continued

Characteristic	Total Fatal Injuries	Total hours worked <sup>1</sup> (millions)	Fatal Injury Rate <sup>2</sup>
First-line supervisors/managers of retail sales workers	98	6,762	2.9
Cashiers	34	4,649	1.4
Retail salespersons	28	5,399	1.0
Office and administrative support occupations	89	31,263	0.6
<b>Natural resources, construction, and maintenance occupations</b>	<b>1,478</b>	<b>25,069</b>	<b>11.6</b>
Farming, fishing, and forestry occupations	260	1,949	24.8
Miscellaneous agricultural workers	146	1,406	18.3
Fishers and related fishing workers	33	53	120.8
Logging workers	63	97	129.9
Construction and extraction occupations	870	13,399	12.9
First-line supervisors/managers of construction trades and extraction workers	121	1,450	16.6
Carpenters	56	2,173	5.1
Construction laborers	214	2,410	17.8
Operating engineers and other construction equipment operators	45	745	12.1
Electricians	69	1,502	8.9
Painters, construction and maintenance	34	851	8.0
Pipelayers, plumbers, pipefitters, and steamfitters	35	1,035	6.6
Roofers	73	346	42.2
Structural iron and steel workers	22	119	37.0
Other extraction workers	19	81	46.9
Installation, maintenance, and repair occupations	348	9,717	7.1
First-line supervisors/managers of mechanics, installers, and repairers	33	644	10.2
Automotive service technicians and mechanics	30	1,740	3.4
Bus and truck mechanics and diesel engine specialists	26	651	8.0
Heating, air conditioning, and refrigeration mechanics and installers	20	657	6.1
Industrial machinery installation, repair, and maintenance workers	32	1,114	5.7
Maintenance and repairs workers, general	69	881	15.7
Electrical power-line installers and repairers	27	226	23.9
<b>Production, transportation, and material moving occupations</b>	<b>1,468</b>	<b>32,976</b>	<b>8.8</b>
Production occupations	221	16,733	2.6
First-line supervisors/managers of production and operating workers	25	1,738	2.9
Welding, soldering, and brazing workers	47	1,239	7.6
Transportation and material moving occupations	1,247	16,244	15.2
Aircraft pilots and flight engineers	72	232	54.3
Driver/sales workers and truck drivers	813	6,703	24.3
Taxi drivers and chauffeurs	50	616	16.2
Industrial truck and tractor operators	30	1,075	5.6
Laborers and freight, stock, and material movers, hand	108	3,222	6.5
Refuse and recyclable material collectors	31	192	32.3
<b>Industry<sup>7</sup>:</b>			
<b>Private industry</b>	<b>4,175</b>	<b>226,848</b>	<b>3.6</b>
<b>Goods producing</b>	<b>1,823</b>	<b>52,629</b>	<b>6.8</b>
<b>Natural resources and mining<sup>8</sup></b>	<b>690</b>	<b>6,599</b>	<b>20.4</b>
<b>Agriculture, forestry, fishing and hunting</b>	<b>509</b>	<b>4,327</b>	<b>22.8</b>
Crop production	224	1,817	23.7
Animal production	150	1,960	14.8
Logging	61	170	71.8
Fishing, hunting, and trapping	36	66	106.1
Support activities for agriculture and forestry	32	313	19.8
<b>Mining, quarrying, and oil and gas extraction</b>	<b>181</b>	<b>2,272</b>	<b>15.9</b>
Oil and gas extraction	26	207	25.1
Mining (except oil and gas)	38	502	15.1
Coal mining	20	222	18.0
Nonmetallic mineral mining and quarrying	16	186	17.2
Support activities for mining	117	1,530	15.3

see footnotes at the end of table

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Characteristic	Total Fatal Injuries	Total hours worked <sup>1</sup> (millions)	Fatal Injury Rate <sup>2</sup>
<b>Construction</b>	806	16,199	9.9
<b>Manufacturing</b>	327	29,831	2.2
Food manufacturing	43	3,341	2.6
Animal slaughtering and processing	18	932	3.9
Wood product manufacturing	24	774	5.7
Chemical manufacturing	24	2,665	1.8
Nonmetallic mineral product manufacturing	32	814	7.9
Cement, concrete, lime, and gypsum product manufacturing	22	274	16.1
Primary metal manufacturing	24	1,078	4.5
Fabricated metal product manufacturing	43	2,349	3.7
Machinery manufacturing	21	2,690	1.6
Transportation equipment manufacturing	27	4,226	1.3
<b>Service providing</b>	2,352	174,253	2.7
<b>Trade, transportation, and utilities</b>	1,241	47,565	5.2
<b>Wholesale trade</b>	204	7,583	5.4
Merchant wholesalers, durable goods	109	3,660	6.0
Machinery, equipment, and supplies, merchant wholesalers	36	789	9.1
Recyclable material merchant wholesalers	21	240	17.5
Merchant wholesalers, nondurable goods	89	3,670	4.9
Groceries and related products, merchant wholesalers	27	1,740	3.1
<b>Retail trade</b>	273	28,091	1.9
Motor vehicle and parts dealers	44	3,817	2.3
Automobile dealers	19	2,599	1.5
Auto parts, accessories, and tire stores	22	955	4.6
Building material and garden equipment and supplies dealers	33	2,664	2.5
Food and beverage stores	67	5,370	2.5
Grocery stores	58	4,586	2.5
Gasoline stations	30	882	6.8
Miscellaneous store retailers	15	1,839	1.6
Nonstore retailers	21	998	4.0
<b>Transportation and warehousing</b>	741	10,155	14.6
Air transportation	32	1,000	6.2
Rail transportation	16	497	6.4
Truck transportation	500	3,911	25.6
Transit and ground passenger transportation	60	935	12.8
Taxi and limousine service	47	446	21.1
Support activities for transportation	73	1,446	10.1
Couriers and messengers	28	1,238	4.5
<b>Utilities</b>	23	1,737	2.5
<b>Information</b>	42	5,472	1.5
Publishing industries, except Internet	18	1,126	3.2
Newspaper publishers	18	477	7.5
<b>Financial activities</b>	85	18,294	0.9
Finance and insurance	21	13,253	0.3
Real estate and rental and leasing	64	5,056	2.5
Real estate	50	4,306	2.3
<b>Professional and business services</b>	409	30,334	2.7
Professional, scientific, and technical services	57	18,852	0.6
Architectural, engineering and related services	22	2,969	1.5
Management, administrative, and waste services	352	11,480	6.1
Employment services	34	1,748	3.9
Investigation and security services	31	1,461	4.2
Services to buildings and dwellings (except landscaping services)	42	2,272	3.7
Landscaping services	171	2,263	15.0
Waste management and remediation services	57	861	13.2

see footnotes at the end of table

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Characteristic	Total Fatal Injuries	Total hours worked <sup>1</sup> (millions)	Fatal Injury Rate <sup>2</sup>
<b>Educational and health services</b>	141	39,179	0.7
Educational services	34	7,336	0.9
Health care and social assistance	107	31,784	0.7
Ambulatory health care services	46	13,084	0.7
Hospitals	15	9,948	0.3
Nursing and residential care facilities	23	4,146	1.1
Social assistance	23	4,593	1.0
<b>Leisure and hospitality</b>	232	20,904	2.2
Arts, entertainment, and recreation	80	4,291	3.5
Performing arts, spectator sports, and related industries	39	1,303	5.8
Amusement, gambling, and recreation industries (except bowling centers)	38	2,699	2.7
Accommodation and food services	152	16,636	1.8
Accommodation	32	2,569	2.5
Traveler accommodation	25	2,415	2.1
Food services and drinking places	120	14,060	1.7
Restaurants and other food services	93	13,640	1.4
Drinking places (alcoholic beverages)	27	415	13.0
<b>Other services (except public administration)</b>	199	12,503	2.7
Repair and maintenance	105	4,129	5.0
Automotive repair and maintenance (except car washes)	66	2,460	5.3
Personal and laundry services	40	4,034	1.9
Religious, grantmaking, civic, professional, and similar organizations	52	3,312	1.6
<b>Government<sup>9</sup></b>	453	37,020	2.0
Federal	104	6,822	1.6
State	90	11,367	1.6
Local	256	18,885	2.4

<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), 2012.

<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> May include volunteers and workers receiving other types of compensation.

<sup>4</sup> 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.

<sup>5</sup> Persons identified as Hispanic or Latino may be of any race. The race categories shown exclude data for Hispanics and Latinos.

<sup>6</sup> Based on the 2010 Standard Occupational Classification system.

<sup>7</sup> Based on the North American Industry Classification System, 2007.

<sup>8</sup> Includes fatal injuries at all establishments categorized as Mining (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.

<sup>9</sup> 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 2012 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 2012. 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, in cooperation with state, New York City, District of Columbia, and federal agencies, Census of Fatal Occupational Injuries, 2014.