

Fatal occupational injuries, total hours worked, and rates of fatal occupational injuries by selected worker characteristics, occupations, and industries, civilian workers, 2008

Characteristic	Total Fatalities	Total hours worked ¹ (millions)	Fatality Rate ²
Total	5,071	271,958	3.6
Employee Status:			
Wage and salary workers	4,071	254,085	3.1
Self-employed	1,000	17,676	11.2
Gender:			
Men	4,703	155,020	5.9
Women	368	116,881	0.6
Age Category:			
16 to 17 years	23	1,714	2.5
18 to 19 years	63	4,754	2.4
20 to 24 years	339	23,250	2.6
25 to 34 years	840	60,610	2.7
35 to 44 years	1,084	65,657	3.2
45 to 54 years	1,257	68,046	3.7
55 to 64 years	887	38,942	4.5
65 years and over	559	8,939	12.2
Race:			
White	3,560	187,407	3.7
Black or African American	514	28,733	3.5
Hispanic	774	37,978	4.0
Occupation:			
Civilian Occupations			
Management, professional, and related occupations	816	102,703	1.6
Management, business, and financial operations occupations	562	46,080	2.4
Management occupations	538	33,845	3.2
Farm, ranch, and other agricultural managers	3	526	1.1
Farmers and ranchers	317	1,601	39.5
Construction managers	54	2,575	4.2
Food service managers	27	2,355	2.3
Business and financial operations occupations	24	12,212	0.4
Professional and related occupations	254	56,710	0.9
Architecture and engineering occupations	39	6,054	1.3
Education, training, and library occupations	25	14,202	0.4
Arts, design, entertainment, sports, and media occupations	55	4,927	2.2
Healthcare practitioner and technical occupations	60	13,880	0.9
Service occupations	663	41,383	3.1
Protective service occupations	300	6,220	8.9
Fire fighters (exc. Supervisors)	44	806	6.9
Police and sheriff's patrol officers	111	1,426	15.6
Security guards and gaming surveillance officers	65	1,642	7.9
Food preparation and serving related occupations	65	12,168	1.1
Building and grounds cleaning and maintenance occupations	227	9,229	4.9
Janitors and building cleaners	56	3,628	3.1

see footnotes at the end of table

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Grounds maintenance workers	128	2,152	11.9
Personal care and service occupations	53	8,187	1.2
Sales and office occupations	354	64,173	1.1
Sales and related occupations	266	29,961	1.8
First-line supervisors/managers of retail sales workers	107	7,378	2.9
First-line supervisors/managers of non-retail sales workers	17	2,759	1.2
Cashiers	42	4,392	1.9
Retail salespersons	44	5,637	1.5
Office and administrative support occupations	88	34,185	0.5
Natural resources, construction, and maintenance occupations	1,585	28,869	10.8
Farming, fishing, and forestry occupations	274	1,957	27.2
Miscellaneous agricultural workers	132	1,407	17.6
Fishers and related fishing workers	50	78	128.9
Logging workers	82	142	115.7
Construction and extraction occupations	966	16,407	11.7
Carpenters	68	2,868	4.7
Construction laborers	239	2,934	16.0
Operating engineers and other construction equipment operators	65	824	15.8
Electricians	73	1,763	8.3
Painters, construction and maintenance	50	1,141	8.6
Pipelayers, plumbers, pipefitters, and steamfitters	39	1,210	6.4
Roofers	69	401	34.4
Structural iron and steel workers	36	155	46.4
Helpers, construction trades	15	207	14.5
Installation, maintenance, and repair occupations	345	10,432	6.6
First-line supervisors/managers of mechanics, installers, and repair	25	648	7.4
Automotive service technicians and mechanics	44	1,705	5.0
Heating, air conditioning, and refrigeration mechanics and installer	18	795	4.5
Electrical power-line installers and repairers	35	235	29.8
Production, transportation, and material moving occupations	1,591	34,667	9.1
Production occupations	261	17,656	3.0
First-line supervisors/managers of production and operating workers	34	1,854	3.7
Welding, soldering, and brazing workers	65	1,235	10.5
Transportation and material moving occupations	1,330	17,016	15.5
Aircraft pilots and flight engineers	90	246	72.4
Driver/sales workers and truck drivers	815	7,113	22.8
Taxi drivers and chauffeurs	69	715	19.3
Industrial truck and tractor operators	51	1,132	9.0
Laborers and freight, stock, and material movers, hand	111	3,293	6.6
Refuse and recyclable material collectors	31	169	36.8

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Private industry	4,549	233,054	3.9
Goods producing	2,199	58,620	7.5
Natural resources and mining	826	6,301	25.9
Agriculture, forestry, fishing, and hunting	651	4,355	29.4
Crop production	304	1,887	31.5
Animal production	152	1,886	15.8
Logging	93	172	108.3
Fishing, hunting, and trapping	46	99	92.5
Support activities for agriculture and forestry	47	281	33.4
Mining	175	1,946	18.0
Oil and gas extraction	21	176	23.8
Coal mining	26	237	21.9
Support activities for mining	104	1,216	17.1
Utilities	36	1,864	3.8
Construction	969	19,999	9.6
Manufacturing	404	32,320	2.5
Food manufacturing	70	3,180	4.4
Animal food, grain and oilseed milling	19	308	12.3
Animal slaughtering and processing	10	983	2.0
Chemical manufacturing	18	2,666	1.4
Plastics and rubber products manufacturing	21	1,125	3.7
Nonmetallic mineral product manufacturing	39	1,071	7.3
Cement, concrete, lime, and gypsum product manufacturing	28	424	13.2
Primary metal manufacturing	40	1,131	7.1
Fabricated metal product manufacturing	51	2,576	4.0
Machinery manufacturing	26	2,714	1.9
Transportation equipment manufacturing	29	4,688	1.2
Wood product manufacturing	27	965	5.6
Service providing	2,350	174,410	2.7
Trade, transportation, and utilities	1,263	50,071	5.0
Wholesale trade	175	8,266	4.2
Merchant wholesalers, durable goods	89	3,623	4.9
Machinery, equipment, and supplies, merchant wholesalers	27	869	6.2
Merchant wholesalers, nondurable goods	75	3,866	3.9
Groceries and related products, merchant wholesalers	26	1,723	3.0
Retail trade	290	29,271	2.0
Motor vehicle and parts dealers	55	4,183	2.6
Automobile dealers	28	2,808	2.0
Auto parts, accessories, and tire stores	20	1,022	3.9
Building material and garden supply stores	36	1,864	3.9
Food and beverage stores	54	5,152	2.1
Grocery stores	46	4,436	2.1
Gasoline stations	37	955	7.5
Miscellaneous store retailers	14	1,850	1.5
Nonstore retailers	21	1,045	4.0
Transportation and warehousing	762	10,670	14.2
Air transportation	37	1,000	7.4
Rail transportation	23	548	8.4
Water transportation	18	158	22.8
Truck transportation	469	4,301	21.7
Transit and ground passenger transportation	76	1,196	12.7
Bus service and urban transit	18	641	5.6
Taxi and limousine service	58	555	20.9

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Services incidental to transportation	87	1,278	13.6
Warehousing and storage	14	740	3.8
Information	45	6,386	1.4
Publishing industries, except Internet	19	1,457	2.6
Newspaper publishers	17	708	4.8
Finance, insurance, real Estate, and rental and leasing	103	19,489	1.0
Finance and Insurance	24	14,109	0.3
Real estate and rental and leasing	79	5,376	2.9
Real estate	52	4,443	2.3
Professional, scientific, management, administrative	389	28,862	2.7
Professional, scientific, and technical services	66	17,899	0.7
Administrative and support and waste management services	321	10,956	5.9
Employment services	36	1,687	4.3
Investigation and security services	30	1,578	3.8
Services to buildings and dwellings (except cleaning during construction and immediately after construction)	48	2,266	4.2
Landscaping services	119	2,166	11.0
Waste management and remediation services	74	728	20.3
Educational, health and social services	137	36,572	0.7
Educational services	27	6,496	0.8
Health care and social assistance	110	30,025	0.7
Ambulatory health care services	53	11,164	0.9
Hospitals	22	10,159	0.4
Nursing and residential care facilities	16	4,185	0.8
Social assistance	18	4,554	0.7
Arts, entertainment, recreation, accommodation, and food services	233	20,617	2.2
Arts, entertainment, and recreation	88	4,265	3.8
Independent artists, performing arts, spectator sports, and related industries	40	1,309	6.0
Other amusement, gambling, and recreation industries	42	2,638	2.9
Accommodation and food services	145	16,315	1.8
Accommodation	25	2,826	1.8
Traveler accommodation	22	2,657	1.7
Food services and drinking places	120	13,503	1.8
Restaurants and other food services	85	13,114	1.3
Drinking places, alcoholic beverages	35	412	17.0
Other services (except public administration)	172	12,413	2.5
Automotive repair and maintenance	68	2,416	5.6
Personal and laundry services	27	3,804	1.4
Membership associations and organizations	34	3,399	1.2
Government	522	38,779	2.3
Federal	100	6,801	1.4
State	115	11,217	2.0
Local	306	20,799	2.7

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), 2008

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)

NOTE: 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.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, Census of Fatal Occupational Injuries, 2009