

Pennsylvania 2018 Survey of Occupational Injuries and Illnesses (SOII) Case and Demographic Data

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Table 1. Number of nonfatal occupational injuries and illnesses involving days away from work ¹ by selected worker characteristics and major industry sector, private industry, Pennsylvania, 2018

Characteristic	Private industry ^{2,3,4}	Goods producing				Service providing								
		Total goods producing	Natural resources and mining ^{2,3}	Construction	Manufacturing	Total service providing	Trade, transportation and utilities ⁴	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services	Public Administration
Total	39,840	9,510	600	2,560	6,350	30,330	12,810	200	400	2,150	10,010	2,940	1,810	--
Gender:														
Male	22,940	8,190	490	2,480	5,220	14,750	8,870	120	310	1,190	1,900	1,250	1,100	--
Female	16,670	1,320	100	80	1,140	15,350	3,710	80	100	960	8,100	1,690	710	--
Age:														
14 to 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16 to 19	970	260	70	70	120	710	340	--	--	--	130	220	--	--
20 to 24	4,200	760	70	230	460	3,440	1,320	--	--	170	700	470	780	--
25 to 34	7,530	1,790	120	450	1,220	5,740	2,610	70	80	510	1,750	510	220	--
35 to 44	7,080	1,940	120	600	1,220	5,150	2,260	30	100	470	1,750	410	130	--
45 to 54	9,520	2,300	130	550	1,620	7,220	2,820	40	180	330	2,680	700	480	--
55 to 64	8,330	2,130	50	620	1,460	6,200	2,880	40	30	520	2,150	400	180	--
65 and over	2,050	320	30	40	240	1,730	550	--	--	110	840	190	--	--
Length of service with employer:														
Less than 3 months	3,960	1,110	160	250	710	2,850	1,130	--	--	270	720	470	240	--
3 to 11 months	8,170	1,980	100	740	1,150	6,190	2,640	50	120	600	1,680	700	400	--
1 to 5 years	13,610	2,750	180	710	1,860	10,860	4,770	30	120	580	3,770	990	610	--
More than 5 years	13,750	3,660	160	860	2,640	10,090	4,030	110	160	710	3,780	740	570	--
Race or ethnic origin ⁵ :														
White only	18,960	5,740	180	1,650	3,910	13,230	5,600	80	110	700	4,540	1,130	1,070	--
Black only	2,610	260	--	40	220	2,350	710	--	130	160	1,070	210	--	--
Hispanic or Latino only	1,750	770	140	50	570	990	370	--	--	70	310	210	--	--
Asian only	500	330	--	--	50	170	30	--	--	--	60	70	--	--
Native Hawaiian or other Pacific Islander only	--	--	--	--	--	--	--	--	--	--	--	--	--	--
American Indian or Alaskan Native only	190	--	--	--	--	190	--	--	--	--	--	--	--	--
Hispanic or Latino and other race	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Multi-race	80	--	--	--	--	80	--	--	--	--	--	--	--	--
Not reported	15,740	2,410	270	540	1,600	13,330	5,920	120	150	1,210	4,000	1,320	600	--

¹ Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

² Excludes farms with fewer than 11 employees.

³ Data for mining (Sector 21 in the North American Industry Classification System) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. Data for mining operators in coal, metal, and nonmetal mining are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

⁴ Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

⁵ Race and ethnicity data do not add to total. Some cases may be counted as both "Multi-race" and "Hispanic and other" race.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: U.S. Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating state agencies, November 13, 2019

Table 2. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by selected worker characteristics and major industry sector, private industry, Pennsylvania, 2018

Characteristic	Private industry ^{2,3,4}	Goods producing				Service providing									
		Total goods producing	Natural resources and mining ^{2,3}	Construction	Manufacturing	Total service providing	Trade, transportation and utilities ⁴	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services	Public Administration	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	--
Gender:															
Male	57.6	86.1	81.7	96.9	82.2	48.6	69.2	60.0	77.5	55.3	19.0	42.5	60.8	--	
Female	41.8	13.9	16.7	3.1	18.0	50.6	29.0	40.0	25.0	44.7	80.9	57.5	39.2	--	
Age:															
14 to 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16 to 19	2.4	2.7	11.7	2.7	1.9	2.3	2.7	--	--	--	1.3	7.5	--	--	
20 to 24	10.5	8.0	11.7	9.0	7.2	11.3	10.3	--	--	7.9	7.0	16.0	43.1	--	
25 to 34	18.9	18.8	20.0	17.6	19.2	18.9	20.4	35.0	20.0	23.7	17.5	17.3	12.2	--	
35 to 44	17.8	20.4	20.0	23.4	19.2	17.0	17.6	15.0	25.0	21.9	17.5	13.9	7.2	--	
45 to 54	23.9	24.2	21.7	21.5	25.5	23.8	22.0	20.0	45.0	15.3	26.8	23.8	26.5	--	
55 to 64	20.9	22.4	8.3	24.2	23.0	20.4	22.5	20.0	7.5	24.2	21.5	13.6	9.9	--	
65 and over	5.1	3.4	5.0	1.6	3.8	5.7	4.3	--	--	5.1	8.4	6.5	--	--	
Length of service with employer:															
Less than 3 months	9.9	11.7	26.7	9.8	11.2	9.4	8.8	--	--	12.6	7.2	16.0	13.3	--	
3 to 11 months	20.5	20.8	16.7	28.9	18.1	20.4	20.6	25.0	30.0	27.9	16.8	23.8	22.1	--	
1 to 5 years	34.2	28.9	30.0	27.7	29.3	35.8	37.2	15.0	30.0	27.0	37.7	33.7	33.7	--	
More than 5 years	34.5	38.5	26.7	33.6	41.6	33.3	31.5	55.0	40.0	33.0	37.8	25.2	31.5	--	
Race or ethnic origin ⁵ :															
White only	47.6	60.4	30.0	64.5	61.6	43.6	43.7	40.0	27.5	32.6	45.4	38.4	59.1	--	
Black only	6.6	2.7	--	1.6	3.5	7.7	5.5	--	32.5	7.4	10.7	7.1	--	--	
Hispanic or Latino only	4.4	8.1	23.3	2.0	9.0	3.3	2.9	--	--	3.3	3.1	7.1	--	--	
Asian only	1.3	3.5	--	--	.8	.6	.2	--	--	--	.6	2.4	--	--	
Native Hawaiian or other Pacific Islander only	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
American Indian or Alaskan Native only	.5	--	--	--	--	.6	--	--	--	--	--	--	--	--	
Hispanic or Latino and other race	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Multi-race	.2	--	--	--	--	.3	--	--	--	--	--	--	--	--	
Not reported	39.5	25.3	45.0	21.1	25.2	43.9	46.2	60.0	37.5	56.3	40.0	44.9	33.1	--	

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⁴ Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

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Table 3. Number of nonfatal occupational injuries and illnesses involving days away from work ¹ by major occupational group and major industry sector, private industry, Pennsylvania, 2018

Characteristic	Private industry ^{2,3,4}	Goods producing				Service providing								
		Total goods producing	Natural resources and mining ^{2,3}	Construction	Manufacturing	Total service providing	Trade, transportation and utilities ⁴	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services	Public Administration
Total	39,840	9,510	600	2,560	6,350	30,330	12,810	200	400	2,150	10,010	2,940	1,810	--
Management occupations	1,090	370	--	310	60	720	100	--	110	30	310	170	--	--
Business and financial operations occupations	200	40	--	--	--	150	--	--	--	20	100	--	--	--
Computer and mathematical occupations	90	--	--	--	--	90	--	--	--	--	50	--	--	--
Architecture and engineering occupations	70	20	--	--	20	50	--	--	--	40	--	--	--	--
Life, physical, and social science occupations	120	30	--	--	30	90	--	--	--	40	40	--	--	--
Community and social service occupations	430	--	--	--	--	430	--	--	--	--	400	--	--	--
Legal occupations	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Education, training, and library occupations	1,000	--	--	--	--	1,000	--	--	--	--	990	--	--	--
Arts, design, entertainment, sports, and media occupations	120	30	--	--	30	90	--	40	--	--	--	30	--	--
Healthcare practitioners and technical occupations	2,750	--	--	--	--	2,750	--	--	--	160	2,550	--	--	--
Healthcare support occupations	2,150	--	--	--	--	2,150	--	--	--	40	2,110	--	--	--
Protective service occupations	400	--	--	--	--	400	50	--	--	150	110	90	--	--
Food preparation and serving related occupations	2,300	40	--	--	40	2,260	340	--	--	60	270	1,600	--	--
Building and grounds cleaning and maintenance occupations	2,130	70	--	--	70	2,060	80	--	--	890	550	440	--	--
Personal care and service occupations	2,330	--	--	--	--	2,330	60	--	--	30	1,440	200	580	--
Sales and related occupations	3,010	20	--	--	--	2,990	2,860	40	--	40	20	30	--	--
Office and administrative support occupations	2,540	260	--	--	250	2,280	1,610	--	70	70	490	20	--	--
Farming, fishing, and forestry occupations	280	280	270	--	--	--	--	--	--	--	--	--	--	--
Construction and extraction occupations	2,810	2,270	160	1,890	230	540	400	--	--	50	80	--	--	--
Installation, maintenance, and repair occupations	3,220	660	50	220	390	2,560	1,230	40	180	100	150	120	730	--
Production occupations	4,420	3,820	30	60	3,730	600	310	--	--	60	80	30	110	--
Transportation and material moving occupations	8,360	1,600	80	40	1,480	6,770	5,750	--	--	340	220	190	250	--

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Table 4. Number of nonfatal occupational injuries and illnesses involving days away from work ¹ by selected worker occupations and major industry sector, private industry, Pennsylvania, 2018

Occupation	Private industry ^{2,3,4}	Goods producing				Service providing								
		Total goods producing	Natural resources and mining ^{2,3}	Construction	Manufacturing	Total service providing	Trade, transportation and utilities ⁴	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services	Public Administration
Total	39,840	9,510	600	2,560	6,350	30,330	12,810	200	400	2,150	10,010	2,940	1,810	--
Laborers and freight, stock, and material movers, hand	3,110	920	--	--	920	2,180	2,000	--	--	40	50	70	--	--
Heavy and tractor-trailer truck drivers	2,490	250	30	40	190	2,230	2,030	--	--	40	70	--	--	--
Retail salespersons	1,450	--	--	--	--	1,450	1,440	--	--	--	--	--	--	--
Nursing assistants	1,430	--	--	--	--	1,430	--	--	--	--	1,430	--	--	--
Stock clerks and order fillers	1,200	60	--	--	60	1,140	1,120	--	--	--	--	--	--	--
Registered nurses	980	--	--	--	--	980	--	--	--	--	970	--	--	--
First-line supervisors of retail sales workers	920	--	--	--	--	920	890	--	--	--	--	--	--	--
Personal care aides	880	--	--	--	--	880	--	--	--	--	880	--	--	--
Janitors and cleaners, except maids and housekeeping cleaners	830	70	--	--	70	760	70	--	--	370	170	120	--	--
Automotive service technicians and mechanics	790	--	--	--	--	780	440	--	--	--	--	--	320	--
Maintenance and repair workers, general	790	200	--	--	200	600	190	--	170	40	100	30	--	--
Construction laborers	780	740	--	670	70	40	--	--	--	30	--	--	--	--
Light truck or delivery services drivers	760	20	--	--	20	740	650	--	--	--	--	--	--	--
Maids and housekeeping cleaners	640	--	--	--	--	640	--	--	--	90	330	220	--	--
Food preparation workers	550	40	--	--	40	510	290	--	--	--	30	190	--	--
Nonfarm animal caretakers	510	--	--	--	--	510	--	--	--	30	--	30	410	--
Landscaping and groundskeeping workers	490	--	--	--	--	490	--	--	--	360	30	90	--	--
Plumbers, pipefitters, and steamfitters	470	370	--	340	30	100	60	--	--	--	30	--	--	--
Packers and packagers, hand	420	190	--	--	180	230	200	--	--	40	--	--	--	--
Combined food preparation and serving workers, including fast food	400	--	--	--	--	400	--	--	--	--	--	390	--	--
Carpenters	390	200	--	170	30	190	180	--	--	--	--	--	--	--
First-line supervisors of personal service workers	370	--	--	--	--	370	--	--	--	--	370	--	--	--
Licensed practical and licensed vocational nurses	330	--	--	--	--	330	--	--	--	--	330	--	--	--
Parts salespersons	320	--	--	--	--	320	320	--	--	--	--	--	--	--
Home health aides	310	--	--	--	--	310	--	--	--	--	310	--	--	--
Teacher assistants	310	--	--	--	--	310	--	--	--	--	310	--	--	--

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Table 5. Number of nonfatal occupational injuries and illnesses involving days away from work ¹ by selected injury or illness characteristics and major industry sector, private industry, Pennsylvania, 2018

Characteristic	Private industry ^{2,3,4}	Goods producing				Service providing								
		Total goods producing	Natural resources and mining ^{2,3}	Construction	Manufacturing	Total service providing	Trade, transportation and utilities ⁴	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services	Public Administration
Total	39,840	9,510	600	2,560	6,350	30,330	12,810	200	400	2,150	10,010	2,940	1,810	--
Nature of injury, illness:														
Fractures	3,690	1,530	130	600	810	2,150	1,040	--	30	200	560	290	--	--
Sprains, strains, tears	14,550	2,710	200	530	1,980	11,840	5,040	60	120	580	4,160	1,100	800	--
Amputations	240	180	--	--	150	60	30	--	--	--	--	20	--	--
Bruise, contusions	4,450	590	90	110	400	3,860	2,090	--	--	220	1,290	210	--	--
Chemical burns and corrosions	290	190	20	80	90	90	--	--	--	60	--	--	--	--
Heat (thermal) burns	580	150	--	--	110	430	30	--	--	--	70	330	--	--
Soreness, pain	5,400	940	40	280	620	4,460	1,620	50	100	300	2,010	330	--	--
Cuts, lacerations, punctures	4,010	1,220	20	520	680	2,790	810	--	110	470	220	330	850	--
Cuts, lacerations	3,120	1,020	20	450	560	2,100	790	--	110	290	120	320	470	--
Punctures (except gunshot wounds)	890	190	--	70	130	690	20	--	--	180	100	--	380	--
Carpal tunnel syndrome	250	150	--	--	140	100	20	--	--	--	60	--	--	--
Tendonitis	40	--	--	--	--	30	--	--	--	--	--	--	--	--
Multiple traumatic injuries	1,070	130	--	--	120	930	280	--	--	50	490	90	--	--
With sprains and other injuries	580	60	--	--	60	510	130	--	--	--	330	--	--	--
With fractures and other injuries	90	20	--	--	--	80	40	--	--	--	30	--	--	--
Part of body affected:														
Head	3,560	840	50	190	590	2,720	900	50	100	170	1,190	280	--	--
Eye	1,150	350	--	60	280	800	230	--	--	40	490	30	--	--
Neck	420	70	--	40	30	350	190	--	--	--	130	20	--	--
Trunk	8,600	2,180	100	820	1,260	6,420	2,870	--	110	240	2,210	750	230	--
Back	5,670	1,070	60	330	690	4,590	1,860	--	90	180	1,820	520	110	--
Upper extremities	13,470	3,710	190	760	2,760	9,760	4,060	40	50	800	2,570	950	1,300	--
Shoulder	2,960	720	90	110	530	2,240	1,240	--	--	90	620	160	130	--
Arm	1,670	460	40	80	340	1,210	620	--	--	80	330	160	--	--
Wrist	2,450	410	--	30	380	2,040	670	--	--	120	450	110	670	--
Hand	5,830	2,020	60	530	1,430	3,810	1,390	--	--	500	980	430	480	--
Lower extremities	9,460	1,940	240	420	1,290	7,520	3,800	70	110	570	2,050	760	150	--
Knee	3,120	660	40	110	510	2,460	1,250	--	30	100	850	180	--	--
Ankle	1,960	370	100	70	200	1,590	670	--	--	70	550	180	--	--
Foot	2,220	500	--	150	340	1,720	1,100	--	--	160	290	160	--	--
Toe, toenail	390	120	--	--	90	270	140	--	--	60	30	50	--	--
Body systems	480	70	--	--	70	400	50	--	--	50	260	40	--	--
Multiple	3,400	670	20	320	330	2,730	670	30	30	300	1,470	150	--	--
Source of injury, illness:														
Chemical, chemical products	760	330	30	140	160	430	80	--	--	120	200	40	--	--
Containers	4,480	980	20	80	880	3,500	2,410	--	90	150	430	350	--	--
Furniture, fixtures	1,710	240	--	140	100	1,470	750	--	--	100	420	110	--	--
Machinery	2,140	1,110	50	150	910	1,020	540	--	--	80	180	180	--	--
Parts and materials	3,170	1,500	50	370	1,080	1,670	980	--	--	70	130	100	380	--
Person, injured or ill worker	4,850	1,190	60	260	880	3,660	1,630	50	80	160	1,250	350	140	--
Worker motion or position	4,720	1,180	60	260	860	3,550	1,580	50	80	160	1,200	340	140	--
Person, other than injured or ill workers	3,560	20	--	--	20	3,540	90	--	--	40	3,320	80	--	--
Health care patient	2,330	--	--	--	--	2,330	--	--	--	--	2,330	--	--	--
Floors, walkways, ground surfaces	7,270	1,090	130	160	800	6,180	2,240	70	160	420	2,310	840	150	--
Ladder	810	440	20	350	70	370	220	--	--	80	30	30	--	--
Handtools	2,150	840	20	440	380	1,310	350	--	--	250	50	190	470	--
Vehicles	4,250	710	50	210	450	3,540	2,400	--	--	160	730	120	120	--
Trucks	1,090	230	30	170	30	860	690	--	--	70	20	--	--	--
Cart, dolly, hand truck - nonpowered	450	130	--	--	100	320	220	--	--	--	80	--	--	--

Table 6. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work ¹ by selected injury or illness characteristics and major industry sector, private industry, Pennsylvania, 2018

Characteristic	Private industry ^{2,3,4}	Goods producing				Service providing								
		Total goods producing	Natural resources and mining ^{2,3}	Construction	Manufacturing	Total service providing	Trade, transportation and utilities ⁴	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services	Public Administration
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	--
Nature of injury, illness:														
Fractures	9.3	16.1	21.7	23.4	12.8	7.1	8.1	--	7.5	9.3	5.6	9.9	--	--
Sprains, strains, tears	36.5	28.5	33.3	20.7	31.2	39.0	39.3	30.0	30.0	27.0	41.6	37.4	44.2	--
Amputations	.6	1.9	--	--	2.4	.2	.2	--	--	--	--	.7	--	--
Bruise, contusions	11.2	6.2	15.0	4.3	6.3	12.7	16.3	--	--	10.2	12.9	7.1	--	--
Chemical burns and corrosions	.7	2.0	3.3	3.1	1.4	.3	--	--	--	2.8	--	--	--	--
Heat (thermal) burns	1.5	1.6	--	--	1.7	1.4	.2	--	--	--	.7	11.2	--	--
Soreness, pain	13.6	9.9	6.7	10.9	9.8	14.7	12.6	25.0	25.0	14.0	20.1	11.2	--	--
Cuts, lacerations, punctures	10.1	12.8	3.3	20.3	10.7	9.2	6.3	--	27.5	21.9	2.2	11.2	47.0	--
Cuts, lacerations	7.8	10.7	3.3	17.6	8.8	6.9	6.2	--	27.5	13.5	1.2	10.9	26.0	--
Punctures (except gunshot wounds)	2.2	2.0	--	2.7	2.0	2.3	.2	--	--	8.4	1.0	--	21.0	--
Carpal tunnel syndrome	.6	1.6	--	--	2.2	.3	.2	--	--	--	.6	--	--	--
Tendonitis	.1	--	--	--	--	.1	--	--	--	--	--	--	--	--
Multiple traumatic injuries	2.7	1.4	--	--	1.9	3.1	2.2	--	--	2.3	4.9	3.1	--	--
With sprains and other injuries	1.5	.6	--	--	.9	1.7	1.0	--	--	--	3.3	--	--	--
With fractures and other injuries	.2	.2	--	--	--	.3	.3	--	--	--	.3	--	--	--
Part of body affected:														
Head	8.9	8.8	8.3	7.4	9.3	9.0	7.0	25.0	25.0	7.9	11.9	9.5	--	--
Eye	2.9	3.7	--	2.3	4.4	2.6	1.8	--	--	1.9	4.9	1.0	--	--
Neck	1.1	.7	--	1.6	.5	1.2	1.5	--	--	--	1.3	.7	--	--
Trunk	21.6	22.9	16.7	32.0	19.8	21.2	22.4	--	27.5	11.2	22.1	25.5	12.7	--
Back	14.2	11.3	10.0	12.9	10.9	15.1	14.5	--	22.5	8.4	18.2	17.7	6.1	--
Upper extremities	33.8	39.0	31.7	29.7	43.5	32.2	31.7	20.0	12.5	37.2	25.7	32.3	71.8	--
Shoulder	7.4	7.6	15.0	4.3	8.3	7.4	9.7	--	--	4.2	6.2	5.4	7.2	--
Arm	4.2	4.8	6.7	3.1	5.4	4.0	4.8	--	--	3.7	3.3	5.4	--	--
Wrist	6.1	4.3	--	1.2	6.0	6.7	5.2	--	--	5.6	4.5	3.7	37.0	--
Hand	14.6	21.2	10.0	20.7	22.5	12.6	10.9	--	23.3	9.8	14.6	26.5	--	--
Lower extremities	23.7	20.4	40.0	16.4	20.3	24.8	29.7	35.0	27.5	26.5	20.5	25.9	8.3	--
Knee	7.8	6.9	6.7	4.3	8.0	8.1	9.8	--	7.5	4.7	8.5	6.1	--	--
Ankle	4.9	3.9	16.7	2.7	3.1	5.2	5.2	--	--	3.3	5.5	6.1	--	--
Foot	5.6	5.3	--	5.9	5.4	5.7	8.6	--	--	7.4	2.9	5.4	--	--
Toe, toenail	1.0	1.3	--	--	1.4	.9	1.1	--	--	2.8	.3	1.7	--	--
Body systems	1.2	.7	--	--	1.1	1.3	.4	--	--	2.3	2.6	1.4	--	--
Multiple	8.5	7.0	3.3	12.5	5.2	9.0	5.2	15.0	7.5	14.0	14.7	5.1	--	--
Source of injury, illness:														
Chemical, chemical products	1.9	3.5	5.0	5.5	2.5	1.4	.6	--	--	5.6	2.0	1.4	--	--
Containers	11.2	10.3	3.3	3.1	13.9	11.5	18.8	--	22.5	7.0	4.3	11.9	--	--
Furniture, fixtures	4.3	2.5	--	5.5	1.6	4.8	5.9	--	--	4.7	4.2	3.7	--	--
Machinery	5.4	11.7	8.3	5.9	14.3	3.4	4.2	--	--	3.7	1.8	6.1	--	--
Parts and materials	8.0	15.8	8.3	14.5	17.0	5.5	7.7	--	--	3.3	1.3	3.4	21.0	--
Person, injured or ill worker	12.2	12.5	10.0	10.2	13.9	12.1	12.7	25.0	20.0	7.4	12.5	11.9	7.7	--
Worker motion or position	11.8	12.4	10.0	10.2	13.5	11.7	12.3	25.0	20.0	7.4	12.0	11.6	7.7	--
Person, other than injured or ill workers	8.9	.2	--	--	.3	11.7	.7	--	--	1.9	33.2	2.7	--	--
Health care patient	5.8	--	--	--	--	7.7	--	--	--	--	23.3	--	--	--
Floors, walkways, ground surfaces	18.2	11.5	21.7	6.3	12.6	20.4	17.5	35.0	40.0	19.5	23.1	28.6	8.3	--
Ladder	2.0	4.6	3.3	13.7	1.1	1.2	1.7	--	--	3.7	.3	1.0	--	--
Handtools	5.4	8.8	3.3	17.2	6.0	4.3	2.7	--	--	11.6	.5	6.5	26.0	--
Vehicles	10.7	7.5	8.3	8.2	7.1	11.7	18.7	--	--	7.4	7.3	4.1	6.6	--
Trucks	2.7	2.4	5.0	6.6	.5	2.8	5.4	--	--	3.3	.2	--	--	--
Cart, dolly, hand truck - nonpowered	1.1	1.4	--	--	1.6	1.1	1.7	--	--	--	.8	--	--	--

Event or exposure:														
Violence and other injuries by persons or animal	7.0	.6	3.3	--	.5	9.0	2.0	--	--	13.0	18.1	1.7	19.3	--
Intentional injury by other person	3.9	.2	--	--	.3	5.0	.5	--	--	1.9	14.0	--	--	--
Injury by person - unintentional or intent unknown	.9	--	--	--	--	1.2	--	--	--	--	3.4	--	--	--
Animal and insect related incidents	2.2	.4	3.3	--	--	2.8	1.3	--	--	10.7	.6	1.0	19.3	--
Transportation incidents	4.3	2.5	--	5.5	1.6	4.9	5.4	--	--	5.1	5.5	3.4	--	--
Roadway incidents involving motorized land vehicles	2.8	1.4	--	4.3	--	3.3	2.7	--	--	1.4	5.1	2.0	--	--
Fires and explosions	.1	--	--	--	--	--	--	--	--	--	--	--	--	--
Falls, slips, trips	27.5	23.9	35.0	32.0	19.5	28.7	28.0	60.0	40.0	30.7	28.3	36.7	13.8	--
Slips, trips without fall	3.3	2.9	6.7	2.0	3.0	3.5	3.5	15.0	--	2.3	3.1	5.8	--	--
Fall on same level	17.2	10.7	15.0	7.8	11.5	19.2	17.1	40.0	37.5	16.3	21.5	23.8	11.6	--
Fall to lower level	6.3	9.5	15.0	22.3	3.8	5.3	6.3	--	--	10.2	3.6	6.5	--	--
Exposure to harmful substances or environments	4.3	5.8	5.0	6.3	5.7	3.9	1.2	--	--	6.0	5.1	12.6	--	--
Contact with object, equipment	24.2	35.3	35.0	28.9	38.0	20.7	26.6	30.0	7.5	27.9	10.0	21.1	31.5	--
Struck by object or equipment	13.5	18.6	18.3	21.1	17.8	11.9	13.8	15.0	--	21.9	4.9	13.3	24.9	--
Struck against object or equipment	4.5	5.5	6.7	4.7	5.7	4.2	5.9	15.0	--	3.7	2.8	3.1	--	--
Caught in or compressed by object or equipment	5.1	8.8	8.3	--	12.1	3.9	6.3	--	--	2.3	1.2	4.4	--	--
Overexertion and bodily reaction	32.3	31.7	20.0	26.6	34.6	32.5	36.2	--	50.0	17.7	32.9	24.8	33.1	--
Repetitive motion involving microtasks	1.6	3.0	--	--	4.4	1.2	.8	--	--	1.9	1.8	--	--	--
Overexertion in lifting or lowering	10.0	9.0	6.7	5.1	10.9	10.3	14.5	--	20.0	7.4	7.2	9.9	--	--

¹ Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

² Excludes farms with fewer than 11 employees.

³ Data for mining (Sector 21 in the North American Industry Classification System) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. Data for mining operators in coal, metal, and nonmetal mining are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

⁴ Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: U.S. Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating state agencies, November 13, 2019

Table 7. Incidence rates¹ nonfatal occupational injuries and illnesses involving days away from work² per 10,000 full-time workers for selected characteristics and major industry sector, private industry, Pennsylvania, 2018

Characteristic	Private industry ^{2,3,4}	Goods producing				Service providing								
		Total goods producing	Natural resources and mining ^{2,3}	Construction	Manufacturing	Total service providing	Trade, transportation and utilities ⁴	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services	Public Administration
Total	94.3	111.9	119.5	108.0	112.9	89.8	140.5	26.6	13.8	30.6	107.6	89.5	132.3	--
Nature of injury, illness:														
Fractures	8.7	18.0	25.3	25.2	14.4	6.4	11.4	--	.9	2.9	6.1	8.7	--	--
Sprains, strains, tears	34.4	31.9	40.1	22.5	35.1	35.1	55.2	7.4	4.2	8.2	44.7	33.3	58.2	--
Amputations	.6	2.1	--	--	2.7	.2	.3	--	--	--	--	.6	--	--
Bruise, contusions	10.5	7.0	17.7	4.5	7.1	11.4	22.9	--	--	3.2	13.9	6.3	--	--
Chemical burns and corrosions	.7	2.3	4.9	3.3	1.6	.3	--	--	--	.9	--	--	--	--
Heat (thermal) burns	1.4	1.8	--	--	1.9	1.3	.3	--	--	--	.8	10.0	--	--
Soreness, pain	12.8	11.1	7.4	12.0	11.0	13.2	17.8	6.3	3.6	4.2	21.6	10.1	--	--
Cuts, lacerations, punctures	9.5	14.3	3.0	21.9	12.1	8.3	8.9	--	3.9	6.7	2.3	10.1	61.7	--
Cuts, lacerations	7.4	12.0	3.0	19.1	9.9	6.2	8.7	--	3.9	4.1	1.3	9.6	34.2	--
Punctures (except gunshot wounds)	2.1	2.3	--	2.8	2.3	2.1	.2	--	--	2.6	1.0	--	27.5	--
Carpal tunnel syndrome	.6	1.7	--	--	2.6	.3	.3	--	--	--	.6	--	--	--
Tendonitis	.1	--	--	--	--	.1	--	--	--	--	--	--	--	--
Multiple traumatic injuries	2.5	1.6	--	--	2.0	2.8	3.1	--	--	.7	5.3	2.9	--	--
With sprains and other injuries	1.4	.8	--	--	1.1	1.5	1.4	--	--	--	3.6	--	--	--
With fractures and other injuries	.2	.2	--	--	--	.2	.4	--	--	--	.3	--	--	--
Part of body affected:														
Head	8.4	9.8	9.6	8.2	10.6	8.1	9.9	6.3	3.4	2.4	12.8	8.6	--	--
Eye	2.7	4.1	--	2.6	5.0	2.4	2.5	--	--	.6	5.3	.8	--	--
Neck	1.0	.8	--	1.8	.5	1.0	2.1	--	--	--	1.4	.5	--	--
Trunk	20.3	25.6	20.4	34.5	22.3	19.0	31.4	--	3.6	3.4	23.8	22.9	16.9	--
Back	13.4	12.6	11.6	13.8	12.2	13.6	20.4	--	3.1	2.6	19.6	15.8	8.0	--
Upper extremities	31.9	43.7	38.0	32.1	49.0	28.9	44.5	5.3	1.7	11.3	27.7	28.8	94.6	--
Shoulder	7.0	8.5	17.1	4.7	9.3	6.6	13.5	--	--	1.2	6.6	4.8	9.8	--
Arm	4.0	5.4	7.9	3.5	6.1	3.6	6.8	--	--	1.1	3.6	4.8	--	--
Wrist	5.8	4.9	--	1.4	6.7	6.0	7.3	--	--	1.7	4.9	3.3	48.9	--
Hand	13.8	23.8	12.2	22.4	25.3	11.3	15.2	--	--	7.2	10.5	13.1	35.0	--
Lower extremities	22.4	22.9	47.9	17.7	22.8	22.3	41.7	9.3	3.9	8.1	22.1	23.0	10.9	--
Knee	7.4	7.8	8.2	4.7	9.0	7.3	13.7	--	1.0	1.5	9.1	5.5	--	--
Ankle	4.6	4.4	20.7	2.7	3.6	4.7	7.4	--	--	1.1	5.9	5.4	--	--
Foot	5.2	5.9	--	6.3	6.0	5.1	12.1	--	--	2.3	3.1	4.8	--	--
Toe, toenail	.9	1.4	--	--	1.5	.8	1.5	--	--	.8	.3	1.4	--	--
Body systems	1.1	.9	--	--	1.3	1.2	.6	--	--	.8	2.7	1.1	--	--
Multiple	8.0	7.9	3.4	13.5	5.9	8.1	7.3	4.1	1.1	4.2	15.8	4.5	--	--
Source of injury, illness:														
Chemical, chemical products	1.8	3.8	5.3	5.7	2.9	1.3	.9	--	--	1.7	2.2	1.1	--	--
Containers	10.6	11.5	3.3	3.3	15.7	10.4	26.4	--	3.0	2.2	4.6	10.6	--	--
Furniture, fixtures	4.0	2.8	--	5.7	1.7	4.3	8.3	--	--	1.4	4.5	3.5	--	--
Machinery	5.1	13.1	10.2	6.4	16.1	3.0	5.9	--	--	1.1	1.9	5.4	--	--
Parts and materials	7.5	17.6	9.5	15.4	19.2	5.0	10.7	--	--	1.0	1.4	3.2	27.6	--
Person, injured or ill worker	11.5	14.0	11.4	10.8	15.6	10.8	17.8	7.0	2.7	2.3	13.4	10.6	10.3	--
Worker motion or position	11.2	13.9	11.4	10.8	15.4	10.5	17.3	7.0	2.6	2.2	12.9	10.4	10.3	--
Person, other than injured or ill workers	8.4	.3	--	--	.4	10.5	1.0	--	--	.6	35.7	2.4	--	--
Health care patient	5.5	--	--	--	--	6.9	--	--	--	--	25.0	--	--	--
Floors, walkways, ground surfaces	17.2	12.8	26.8	6.6	14.2	18.3	24.5	9.0	5.4	6.0	24.9	25.4	10.7	--
Ladder	1.9	5.2	4.7	14.8	1.2	1.1	2.4	--	--	1.1	.3	.8	--	--
Handtools	5.1	9.9	4.4	18.6	6.7	3.9	3.9	--	--	3.5	.5	5.7	34.2	--
Vehicles	10.1	8.4	10.9	9.0	8.0	10.5	26.3	--	--	2.3	7.9	3.8	8.6	--
Trucks	2.6	2.7	5.1	7.3	.6	2.6	7.6	--	--	.9	.2	--	--	--
Cart, dolly, hand truck - nonpowered	1.1	1.5	--	--	1.7	.9	2.5	--	--	--	.9	--	--	--

¹ Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

² Race and ethnicity data do not add to total. Some cases may be counted as both Multi-race and "Hispanic and other" race.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: U.S. Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating state agencies, November 13, 2019

Table 9. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by major occupational group and number of days away from work, private industry, Pennsylvania, 2018

Occupation	Percent of cases involving								Median days away from work
	Total cases	1 day	2 days	3 to 5 days	6 to 10 days	11 to 20 days	21 to 30 days	31 days or more	
Total	100.0	15.4	9.6	16.8	10.0	10.1	7.1	31.1	9
Management occupations	100.0	7.3	6.4	22.0	13.8	6.4	2.8	41.3	13
Business and financial operations occupations	100.0	10.0	20.0	--	25.0	15.0	--	20.0	9
Computer and mathematical occupations	100.0	--	--	--	--	--	22.2	44.4	30
Architecture and engineering occupations	100.0	28.6	--	--	--	--	--	42.9	14
Life, physical, and social science occupations	100.0	--	--	25.0	16.7	--	--	33.3	10
Community and social service occupations	100.0	11.6	7.0	25.6	20.9	9.3	9.3	16.3	8
Legal occupations	--	--	--	--	--	--	--	--	--
Education, training, and library occupations	100.0	13.0	4.0	56.0	14.0	10.0	2.0	2.0	3
Arts, design, entertainment, sports, and media occupations	100.0	--	--	16.7	25.0	--	--	33.3	9
Healthcare practitioners and technical occupations	100.0	22.9	12.4	12.4	9.1	11.6	3.6	28.0	7
Healthcare support occupations	100.0	16.7	11.6	20.0	11.6	9.8	7.9	22.8	6
Protective service occupations	100.0	7.5	7.5	15.0	12.5	15.0	5.0	35.0	15
Food preparation and serving related occupations	100.0	16.5	11.7	18.3	12.2	11.7	13.0	16.5	7
Building and grounds cleaning and maintenance occupations	100.0	12.2	6.1	14.1	8.9	17.4	9.4	31.9	14
Personal care and service occupations	100.0	41.6	5.2	16.7	5.6	8.6	6.0	16.7	3
Sales and related occupations	100.0	13.6	4.0	16.6	15.0	6.6	8.3	35.5	13
Office and administrative support occupations	100.0	9.1	15.7	22.8	9.4	8.7	7.1	27.2	6
Farming, fishing, and forestry occupations	100.0	--	--	46.4	10.7	10.7	--	25.0	5
Construction and extraction occupations	100.0	16.4	8.2	11.0	2.8	11.0	11.4	39.1	21
Installation, maintenance, and repair occupations	100.0	22.7	17.7	13.4	6.8	5.0	5.3	29.2	5
Production occupations	100.0	12.0	7.9	13.8	10.6	11.1	7.2	37.1	15
Transportation and material moving occupations	100.0	9.6	9.4	14.5	10.4	11.1	5.7	39.4	15

¹ Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: U.S. Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating state agencies, November 13, 2019

Table 10. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by selected occupations and number of days away from work, private industry, Pennsylvania, 2018

Occupation	Percent of cases involving								Median days away from work
	Total cases	1 day	2 days	3 to 5 days	6 to 10 days	11 to 20 days	21 to 30 days	31 days or more	
Total	100.0	15.4	9.6	16.8	10.0	10.1	7.1	31.1	9
Laborers and freight, stock, and material movers, hand	100.0	12.9	10.9	11.9	12.5	12.5	4.2	34.7	11
Heavy and tractor-trailer truck drivers	100.0	4.4	7.2	16.5	7.6	5.2	9.2	49.8	30
Retail salespersons	100.0	6.2	2.8	20.0	9.0	3.4	14.5	43.4	30
Nursing assistants	100.0	16.1	14.7	23.1	10.5	10.5	7.0	18.2	5
Stock clerks and order fillers	100.0	5.0	23.3	28.3	6.7	8.3	4.2	24.2	5
Registered nurses	100.0	10.2	11.2	12.2	10.2	17.3	5.1	33.7	16
First-line supervisors of retail sales workers	100.0	4.3	6.5	18.5	30.4	14.1	--	26.1	6
Personal care aides	100.0	10.2	8.0	18.2	11.4	8.0	12.5	30.7	14
Janitors and cleaners, except maids and housekeeping cleaners	100.0	16.9	3.6	14.5	10.8	3.6	10.8	38.6	20
Automotive service technicians and mechanics	100.0	41.8	7.6	3.8	3.8	3.8	6.3	34.2	3
Maintenance and repair workers, general	100.0	20.3	7.6	24.1	12.7	5.1	3.8	25.3	5
Construction laborers	100.0	12.8	10.3	23.1	3.8	3.8	3.8	43.6	12
Light truck or delivery services drivers	100.0	--	22.4	27.6	2.6	10.5	9.2	26.3	5
Maids and housekeeping cleaners	100.0	4.7	9.4	21.9	12.5	7.8	6.3	37.5	14
Food preparation workers	100.0	14.5	18.2	20.0	9.1	20.0	10.9	10.9	5
Nonfarm animal caretakers	100.0	86.3	--	7.8	--	--	--	--	1
Landscaping and groundskeeping workers	100.0	4.1	--	8.2	--	55.1	12.2	18.4	14
Plumbers, pipefitters, and steamfitters	100.0	48.9	--	--	--	4.3	27.7	17.0	6
Packers and packagers, hand	100.0	16.7	9.5	11.9	14.3	19.0	4.8	23.8	10
Combined food preparation and serving workers, including fast food	100.0	15.0	--	25.0	10.0	--	--	--	5
Carpenters	100.0	7.7	25.6	--	--	20.5	--	41.0	12
First-line supervisors of personal service workers	100.0	94.6	--	--	--	--	--	--	1
Licensed practical and licensed vocational nurses	100.0	15.2	21.2	6.1	9.1	9.1	--	33.3	9
Parts salespersons	100.0	75.0	--	--	--	--	--	--	1
Home health aides	100.0	--	--	9.7	22.6	6.5	6.5	45.2	21
Teacher assistants	100.0	32.3	6.5	29.0	--	22.6	--	--	3

¹ Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: U.S. Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating state agencies, November 13, 2019

Table 11. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by major industry sector and number of days away from work, private industry, Pennsylvania, 2018

Industry Sector	Percent of cases involving								Median days away from work
	Total cases	1 day	2 days	3 to 5 days	6 to 10 days	11 to 20 days	21 to 30 days	31 days or more	
Private Industry ^{2,3,4}	100.0	15.4	9.6	16.8	10.0	10.1	7.1	31.1	9
Goods producing	100.0	14.8	8.9	14.8	8.1	10.3	7.3	35.9	14
Natural resources and mining ^{2,3}	100.0	5.0	3.3	30.0	8.3	10.0	5.0	40.0	14
Construction	100.0	21.1	7.4	10.9	2.3	5.5	10.5	42.2	21
Manufacturing	100.0	13.1	10.1	15.0	10.4	12.3	6.1	32.9	12
Service providing	100.0	15.6	9.8	17.4	10.6	10.0	7.0	29.6	8
Trade transportation and utilities	100.0	9.0	9.7	16.2	11.3	8.7	6.2	38.8	14
Information	100.0	--	--	15.0	--	15.0	--	45.0	14
Financial activities	100.0	10.0	12.5	60.0	--	--	--	12.5	4
Professional and business services	100.0	18.6	4.7	11.2	8.8	19.1	7.0	30.2	14
Educational and health services	100.0	18.6	9.9	19.5	12.2	9.6	7.8	22.4	6
Leisure and hospitality	100.0	13.3	8.5	20.1	10.5	12.2	9.9	25.5	10
Other services except public administration	100.0	48.1	17.7	8.3	--	7.2	6.1	11.6	2

¹ Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

² Excludes farms with fewer than 11 employees.

³ Data for mining (Sector 21 in the North American Industry Classification System) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. Data for mining operators in coal, metal, and nonmetal mining are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

⁴ Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: U.S. Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating state agencies, November 13, 2019

Table 12. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by time, hours on the job, and day of week and major industry sector, private industry, Pennsylvania, 2018

Characteristic	Private industry ^{2,3,4}	Goods producing				Service providing								
		Total goods producing	Natural resources and mining ^{2,3}	Construction	Manufacturing	Total service providing	Trade, transportation and utilities ⁴	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services	Public Administration
Total	39,840	9,510	600	2,560	6,350	30,330	12,810	200	400	2,150	10,010	2,940	1,810	--
Time of event:														
12:01 AM - 4:00 AM	1,540	420	20	--	390	1,120	680	30	--	40	320	40	--	--
4:01 AM - 8:00 AM	3,710	1,100	60	160	880	2,610	1,340	--	30	100	870	210	--	--
8:01 AM - 12:00 PM	12,170	3,150	230	1,170	1,750	9,020	3,990	70	140	810	2,870	680	450	--
12:01 PM - 4:00 PM	10,250	1,950	140	500	1,300	8,300	3,350	30	80	400	2,810	590	1,030	--
4:01 PM - 8:00 PM	4,300	670	60	50	570	3,620	1,300	--	110	250	1,190	640	110	--
8:01 PM - 12:00 AM	2,290	520	30	--	480	1,780	840	--	--	90	590	180	--	--
Not reported	5,590	1,710	60	660	990	3,880	1,320	40	30	460	1,350	600	--	--
Hours on the job before event occurred:														
Occurred before shift began	460	80	--	--	70	380	140	--	20	--	160	40	--	--
Less than 1 hour	4,040	620	--	110	490	3,420	1,400	--	20	140	1,420	330	--	--
1 - 2 hours	3,530	600	--	100	490	2,930	1,400	40	--	240	830	330	--	--
2 - 4 hours	8,430	2,050	70	650	1,320	6,380	3,010	--	110	420	2,030	630	160	--
4 - 6 hours	6,900	1,800	80	480	1,240	5,100	1,930	--	--	410	1,780	380	580	--
6 - 8 hours	6,300	1,450	50	430	970	4,850	1,870	30	90	260	1,460	400	740	--
8 - 10 hours	2,650	670	50	80	550	1,970	860	--	90	130	610	190	--	--
10 - 12 hours	660	210	--	--	180	450	200	--	--	30	220	--	--	--
12 - 16 hours	420	60	20	--	30	350	250	--	--	--	60	--	--	--
More than 16 hours	20	--	--	--	--	--	--	--	--	--	--	--	--	--
Not reported	6,440	1,960	280	660	1,020	4,480	1,740	40	40	480	1,430	660	--	--
Day of week:														
Sunday	2,620	590	80	310	210	2,030	1,050	--	--	50	650	250	--	--
Monday	7,110	1,550	80	350	1,120	5,560	2,670	--	100	290	1,620	380	490	--
Tuesday	6,620	1,990	110	380	1,510	4,630	1,920	40	50	370	1,790	360	110	--
Wednesday	6,870	1,830	100	490	1,240	5,040	2,300	--	20	260	1,380	670	370	--
Thursday	7,270	1,650	110	580	950	5,630	1,930	50	100	570	2,080	400	500	--
Friday	6,370	1,470	80	420	970	4,900	1,950	60	110	440	1,610	550	190	--
Saturday	2,980	430	30	40	360	2,550	990	--	--	180	880	340	150	--

¹ Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

² Excludes farms with fewer than 11 employees.

³ Data for mining (Sector 21 in the North American Industry Classification System) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. Data for mining operators in coal, metal, and nonmetal mining are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

⁴ Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: U.S. Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating state agencies, November 13, 2019

Table 13. Percent Distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by time, hours on the job, and day of week and major industry sector, private industry, Pennsylvania, 2018

Characteristic	Private industry ^{2,3,4}	Goods producing				Service providing									
		Total goods producing	Natural resources and mining ^{2,3}	Construction	Manufacturing	Total service providing	Trade, transportation and utilities ⁴	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services	Public Administration	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	--
Time of event:															
12:01 AM - 4:00 AM	3.9	4.4	3.3	--	6.1	3.7	5.3	15.0	--	1.9	3.2	1.4	--	--	
4:01 AM - 8:00 AM	9.3	11.6	10.0	6.3	13.9	8.6	10.5	--	7.5	4.7	8.7	7.1	--	--	
8:01 AM - 12:00 PM	30.5	33.1	38.3	45.7	27.6	29.7	31.1	35.0	35.0	37.7	28.7	23.1	24.9	--	
12:01 PM - 4:00 PM	25.7	20.5	23.3	19.5	20.5	27.4	26.2	15.0	20.0	18.6	28.1	20.1	56.9	--	
4:01 PM - 8:00 PM	10.8	7.0	10.0	2.0	9.0	11.9	10.1	--	27.5	11.6	11.9	21.8	6.1	--	
8:01 PM - 12:00 AM	5.7	5.5	5.0	--	7.6	5.9	6.6	--	--	4.2	5.9	6.1	--	--	
Not reported	14.0	18.0	10.0	25.8	15.6	12.8	10.3	20.0	7.5	21.4	13.5	20.4	--	--	
Hours on the job before event occurred:															
Occurred before shift began	1.2	.8	--	--	1.1	1.3	1.1	--	5.0	--	1.6	1.4	--	--	
Less than 1 hour	10.1	6.5	--	4.3	7.7	11.3	10.9	--	5.0	6.5	14.2	11.2	--	--	
1 - 2 hours	8.9	6.3	--	3.9	7.7	9.7	10.9	20.0	--	11.2	8.3	11.2	--	--	
2 - 4 hours	21.2	21.6	11.7	25.4	20.8	21.0	23.5	--	27.5	19.5	20.3	21.4	8.8	--	
4 - 6 hours	17.3	18.9	13.3	18.8	19.5	16.8	15.1	--	--	19.1	17.8	12.9	32.0	--	
6 - 8 hours	15.8	15.2	8.3	16.8	15.3	16.0	14.6	15.0	22.5	12.1	14.6	13.6	40.9	--	
8 - 10 hours	6.7	7.0	8.3	3.1	8.7	6.5	6.7	--	22.5	6.0	6.1	6.5	--	--	
10 - 12 hours	1.7	2.2	--	--	2.8	1.5	1.6	--	--	1.4	2.2	--	--	--	
12 - 16 hours	1.1	.6	3.3	--	.5	1.2	2.0	--	--	--	.6	--	--	--	
More than 16 hours	.1	--	--	--	--	--	--	--	--	--	--	--	--	--	
Not reported	16.2	20.6	46.7	25.8	16.1	14.8	13.6	20.0	10.0	22.3	14.3	22.4	--	--	
Day of week:															
Sunday	6.6	6.2	13.3	12.1	3.3	6.7	8.2	--	--	2.3	6.5	8.5	--	--	
Monday	17.8	16.3	13.3	13.7	17.6	18.3	20.8	--	25.0	13.5	16.2	12.9	27.1	--	
Tuesday	16.6	20.9	18.3	14.8	23.8	15.3	15.0	20.0	12.5	17.2	17.9	12.2	6.1	--	
Wednesday	17.2	19.2	16.7	19.1	19.5	16.6	18.0	--	5.0	12.1	13.8	22.8	20.4	--	
Thursday	18.2	17.4	18.3	22.7	15.0	18.6	15.1	25.0	25.0	26.5	20.8	13.6	27.6	--	
Friday	16.0	15.5	13.3	16.4	15.3	16.2	15.2	30.0	27.5	20.5	16.1	18.7	10.5	--	
Saturday	7.5	4.5	5.0	1.6	5.7	8.4	7.7	--	--	8.4	8.8	11.6	8.3	--	

¹ Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

² Excludes farms with fewer than 11 employees.

³ Data for mining (Sector 21 in the North American Industry Classification System) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. Data for mining operators in coal, metal, and nonmetal mining are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

⁴ Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: U.S. Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating state agencies, November 13, 2019

Table 14. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by time, hours on the job, and day of week and number of days away from work, private industry, Pennsylvania, 2018

Characteristic	Percent of cases involving								Median days away from work
	Total cases	1 day	2 days	3 to 5 days	6 to 10 days	11 to 20 days	21 to 30 days	31 days or more	
Total	100.0	15.4	9.6	16.8	10.0	10.1	7.1	31.1	9
Time of event:									
12:01AM - 4:00AM	100.0	9.1	11.7	14.3	15.6	5.8	7.1	37.0	11
4:01AM - 8:00AM	100.0	9.4	8.6	11.3	12.9	12.4	7.3	38.5	17
8:01AM - 12noon	100.0	15.6	9.5	17.3	10.2	11.8	6.7	28.8	8
12:01PM - 4:00PM	100.0	19.7	12.1	19.6	8.0	8.5	4.4	27.7	5
4:01PM - 8:00PM	100.0	10.7	9.5	18.4	11.6	11.6	7.7	30.7	10
8:01PM - 12midnight	100.0	14.0	12.2	16.2	11.8	10.5	6.6	28.8	8
Time not reported	100.0	17.0	4.3	14.1	8.1	7.5	12.3	36.5	20
Hours on the job before event occurred:									
Before shift began	100.0	13.0	13.0	6.5	6.5	15.2	4.3	39.1	16
Less than 1 hour	100.0	21.3	8.2	18.3	14.9	8.4	4.2	24.8	6
1 - 2 hours	100.0	16.7	7.6	15.0	11.3	9.6	5.9	34.0	10
2 - 4 hours	100.0	13.9	12.8	16.5	9.3	10.7	6.9	30.1	9
4 - 6 hours	100.0	14.8	8.4	22.5	10.4	11.6	6.8	25.7	7
6 - 8 hours	100.0	18.1	13.0	14.6	7.6	9.0	5.1	32.5	7
8 - 10 hours	100.0	7.5	10.6	19.6	7.9	11.3	9.4	33.2	14
10 - 12 hours	100.0	9.1	7.6	13.6	19.7	15.2	6.1	28.8	10
12 - 16 hours	100.0	4.8	16.7	9.5	16.7	11.9	--	35.7	10
More than 16 hours	100.0	--	--	--	--	--	--	--	2
Hours not reported	100.0	15.7	4.2	13.8	8.7	8.4	11.6	37.6	20
Day of week:									
Sunday	100.0	11.8	8.0	20.6	6.1	12.2	5.3	35.5	14
Monday	100.0	13.6	11.8	17.7	12.4	8.0	4.4	32.2	7
Tuesday	100.0	18.9	9.2	12.7	10.9	8.2	9.1	31.0	9
Wednesday	100.0	11.4	15.7	17.6	8.3	10.3	6.1	30.6	8
Thursday	100.0	21.9	5.6	19.0	9.1	12.8	7.6	24.1	7
Friday	100.0	12.2	7.4	16.6	10.8	9.1	9.1	34.5	12
Saturday	100.0	14.8	6.7	13.8	10.4	12.1	7.4	35.2	13

¹ Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: U.S. Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating state agencies, November 13, 2019

Table 15. Incidence rates ¹ for nonfatal occupational injuries and illnesses involving days away from work ² per 10,000 full-time workers by selected worker characteristics, major occupational group, and selected parts of body, private industry, Pennsylvania, 2018

Characteristic	Private industry	Part of body affected by the injury or illness ³															Body systems	Multiple parts	All other body parts
		Head		Neck	Trunk		Upper extremities				Lower extremities								
		Total	Eyes		Total	Back	Total	Shoulder	Arm	Hand	Wrist	Total	Knee	Ankle	Foot				
Total	94.3	8.4	2.7	1.0	20.3	13.4	31.9	7.0	4.0	13.8	5.8	22.4	7.4	4.6	5.2	1.1	8.0	1.1	
Gender:																			
Male	97.3	7.9	2.4	.9	22.6	13.2	35.0	8.0	4.8	17.4	3.9	22.7	7.8	3.7	5.2	.7	6.2	1.4	
Female	90.3	9.1	3.1	1.1	17.5	13.6	27.8	5.6	2.8	9.2	8.2	22.0	6.9	5.8	5.3	1.7	10.5	.7	
Age:																			
14 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16 - 19	93.0	11.3	5.4	--	15.5	14.9	34.6	1.7	1.7	22.0	2.6	28.2	4.6	14.7	7.2	--	2.8	--	
20 - 24	114.2	11.8	3.3	.9	19.5	15.9	51.2	3.9	5.3	29.5	12.0	22.5	6.5	3.8	6.8	.9	7.4	--	
25 - 34	78.6	8.2	2.4	.9	17.6	13.4	25.4	4.1	2.3	14.9	3.2	20.1	4.0	4.7	5.7	1.3	4.7	.4	
35 - 44	81.4	7.8	1.9	.8	18.6	11.7	24.1	4.8	5.1	10.0	3.1	20.2	8.7	4.2	3.3	.6	6.5	2.8	
45 - 54	105.8	5.7	1.3	1.4	24.8	17.6	35.8	8.9	4.2	13.2	7.9	25.1	8.2	3.9	8.5	1.1	10.8	1.1	
55 - 64	107.7	7.2	1.3	1.2	23.3	11.2	37.4	13.1	3.6	11.4	7.6	25.4	10.2	5.6	3.2	1.8	10.8	.6	
65 and over	85.7	19.1	15.3	--	14.0	5.3	22.6	6.9	5.7	4.9	4.3	17.5	7.1	2.4	2.0	1.1	10.2	1.2	
Major occupational group:																			
Management occupations	44.9	6.7	.9	--	16.1	3.2	6.1	.8	--	2.1	2.7	13.0	2.3	4.2	2.3	--	2.3	--	
Business and financial operations occupations	8.4	--	--	--	1.9	--	1.5	.8	--	--	--	2.3	.7	--	--	--	2.6	--	
Computer and mathematical occupations	6.6	--	--	--	--	--	1.7	--	--	--	--	--	--	--	--	--	2.0	--	
Architecture and engineering occupations	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Life, physical, and social science occupations	33.7	10.6	--	--	--	--	12.2	--	--	7.8	--	--	--	--	--	--	--	--	
Community and social service occupations	61.7	10.0	4.0	--	6.7	4.9	8.0	6.8	--	--	--	20.9	7.1	10.2	--	--	13.0	--	
Legal occupations	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Education, training, and library occupations	100.8	4.0	--	--	17.9	16.4	52.5	--	--	50.9	--	20.6	9.1	7.2	4.1	--	3.8	--	
Arts, design, entertainment, sports, and media occupations	27.8	7.1	--	--	--	--	8.6	--	--	--	--	9.5	--	--	--	--	--	--	
Healthcare practitioners and technical occupations	82.1	9.3	2.1	1.0	18.1	16.1	21.2	3.4	3.9	8.1	3.9	14.0	5.7	2.5	1.5	2.7	13.7	2.1	
Healthcare support occupations	153.3	9.8	1.4	3.8	46.3	38.2	42.8	13.5	8.0	9.1	7.9	27.5	13.1	5.3	5.1	1.9	20.4	--	
Protective service occupations	82.6	9.1	--	--	11.2	7.2	15.5	6.5	--	--	3.5	32.8	13.2	7.3	3.8	--	10.9	--	
Food preparation and serving related occupations	72.3	7.3	.5	--	20.2	13.2	27.7	1.5	4.8	16.8	1.4	10.4	1.9	2.6	2.7	.9	5.6	--	
Building and grounds cleaning and maintenance occupations	184.7	12.3	3.7	1.6	42.4	30.4	59.4	12.3	6.0	28.7	11.2	51.5	16.7	5.0	14.8	5.0	10.8	1.6	
Personal care and service occupations	128.6	27.9	19.6	1.0	20.2	14.5	43.8	7.9	1.1	11.7	21.2	21.1	6.4	10.6	2.4	--	13.8	--	
Sales and related occupations	68.4	3.9	--	1.4	11.1	7.9	19.2	3.9	2.5	4.9	7.3	30.4	7.3	3.5	13.2	--	2.5	--	
Office and administrative support occupations	37.9	3.3	.5	1.0	11.2	6.0	7.8	1.8	.8	2.4	2.7	8.8	3.2	2.3	1.3	1.4	4.3	--	
Farming, fishing, and forestry occupations	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Construction and extraction occupations	144.5	9.0	3.6	2.4	34.4	24.5	49.4	7.1	6.5	32.2	3.6	32.4	11.3	5.9	8.8	--	16.0	--	
Installation, maintenance, and repair occupations	143.2	10.0	3.2	--	24.5	14.7	71.4	9.8	7.5	38.3	15.5	31.7	11.9	4.5	5.6	1.2	3.8	--	
Production occupations	122.2	12.0	5.6	.5	22.4	10.9	58.0	11.1	7.7	29.0	7.9	21.6	7.6	3.6	6.0	1.1	6.6	--	
Transportation and material moving occupations	205.1	14.4	4.7	1.9	43.2	30.1	66.8	27.0	9.1	19.3	8.2	53.0	18.5	10.4	11.6	1.3	17.8	6.9	

¹ Incidence rates represent the number of injuries and illnesses per 10,000 full-time workers and were calculated as: (N/EH) x 20,000,000 where

N = number of injuries and illnesses
 EH = total hours worked by all employees during calendar year
 20,000,000 = base for 10,000 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

² Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

³ Based on the Occupational Injury and Illness Classification System 2.01 developed by the U.S. Bureau of Labor Statistics.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: U.S. Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating state agencies, November 13, 2019

Table 16. Incidence rates ¹ for nonfatal occupational injuries and illnesses involving days away from work ² per 10,000 full-time workers by selected worker characteristics, major occupational group, and selected natures of injury or illness, private industry, Pennsylvania, 2018

Characteristic	Private industry	Nature of injury or illness ³																
		Sprains, strains	Fractures	Cuts, lacerations, punctures			Bruises	Heat burns	Chemical burns	Amputations	Carpal tunnel syndrome	Tendonitis	Multiple traumatic injuries			Soreness	Pain	All other natures
				Total	Cuts, lacerations	Punctures							Total	with fractures	with sprains			
Total	94.3	34.4	8.7	9.5	7.4	2.1	10.5	1.4	.7	.6	.6	.1	2.5	.2	1.4	12.8	12.5	
Gender:																		
Male	97.3	34.3	10.0	11.9	11.1	.8	9.7	1.4	.9	.9	.4	.1	1.9	.2	.8	11.2	14.6	
Female	90.3	34.5	7.2	6.5	2.7	3.8	11.6	1.3	.4	.1	.8	.1	3.3	.3	2.1	14.8	9.7	
Age:																		
14 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16 - 19	93.0	34.7	4.0	13.2	11.1	2.0	4.7	7.6	--	--	--	--	--	--	--	14.8	11.9	
20 - 24	114.2	39.6	5.2	25.0	22.1	2.9	13.5	5.2	1.7	1.2	--	--	1.2	--	.8	10.6	11.1	
25 - 34	78.6	27.3	5.7	8.4	7.3	1.1	10.4	.8	.3	.5	.4	--	2.4	--	1.1	10.6	11.8	
35 - 44	81.4	31.8	5.5	7.7	7.4	.3	9.2	.4	1.0	.3	.5	--	2.0	--	.9	9.7	13.2	
45 - 54	105.8	39.4	6.5	9.4	4.2	5.2	10.8	1.6	.8	.6	1.3	--	3.1	.2	2.4	20.2	12.1	
55 - 64	107.7	42.0	19.8	6.0	4.1	1.8	6.7	.8	.2	.7	.7	--	3.1	.4	1.4	12.7	14.9	
65 and over	85.7	21.3	13.2	6.5	5.7	.8	24.4	--	--	.7	--	--	4.1	1.2	1.6	6.9	8.4	
Major occupational group:																		
Management occupations	44.9	10.9	16.2	3.7	3.7	--	4.5	--	--	--	--	--	1.5	--	1.0	3.2	3.8	
Business and financial operations occupations	8.4	4.3	2.0	--	--	--	--	--	--	--	--	--	--	--	--	.8	--	
Computer and mathematical occupations	6.6	3.3	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5	--	
Architecture and engineering occupations	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Life, physical, and social science occupations	33.7	4.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12.9	
Community and social service occupations	61.7	31.6	--	2.5	--	--	10.0	--	--	--	--	--	2.5	--	2.5	6.1	7.1	
Legal occupations	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Education, training, and library occupations	100.8	25.9	2.4	--	--	--	10.6	--	--	--	--	--	--	--	--	50.6	10.6	
Arts, design, entertainment, sports, and media occupations	27.8	5.7	3.6	--	--	--	--	--	--	--	--	--	--	--	--	5.4	4.9	
Healthcare practitioners and technical occupations	82.1	29.9	4.7	7.7	1.0	6.6	8.2	--	--	--	--	--	6.6	--	3.9	13.4	11.2	
Healthcare support occupations	153.3	78.6	5.9	4.2	1.4	2.8	10.9	2.8	--	--	1.3	--	5.6	--	4.2	27.5	16.5	
Protective service occupations	82.6	37.0	4.4	--	--	--	10.6	--	--	--	--	--	5.9	--	3.6	14.5	7.6	
Food preparation and serving related occupations	72.3	20.9	3.1	15.5	15.3	--	5.3	10.5	--	--	--	--	3.3	--	.8	7.4	5.9	
Building and grounds cleaning and maintenance occupations	184.7	75.5	6.7	21.2	21.1	--	18.4	--	8.6	1.3	--	--	3.2	--	2.6	32.0	16.5	
Personal care and service occupations	128.6	43.6	5.0	28.2	7.8	20.4	25.1	--	--	--	--	--	4.5	--	3.3	12.6	8.0	
Sales and related occupations	68.4	22.3	7.8	2.3	2.3	--	21.8	--	--	--	--	--	--	--	--	6.3	7.3	
Office and administrative support occupations	37.9	13.4	4.0	2.1	2.0	--	6.3	--	--	--	.5	--	.4	--	.3	6.4	4.7	
Farming, fishing, and forestry occupations	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Construction and extraction occupations	144.5	47.6	17.8	29.1	25.0	4.1	7.2	2.5	4.4	1.4	--	--	--	--	--	14.0	19.6	
Installation, maintenance, and repair occupations	143.2	51.9	13.5	25.8	23.9	1.9	7.6	1.1	--	1.0	--	--	1.8	--	1.1	18.4	21.3	
Production occupations	122.2	36.3	15.7	13.5	11.5	2.0	6.4	1.6	1.1	3.6	3.4	--	2.8	.5	1.2	14.3	23.0	
Transportation and material moving occupations	205.1	88.4	18.2	9.8	8.9	.8	20.4	1.0	.4	--	.8	--	6.1	.6	2.5	25.1	34.5	

¹ Incidence rates represent the number of injuries and illnesses per 10,000 full-time workers and were calculated as: (N/EH) x 20,000,000 where

N = number of injuries and illnesses
 EH = total hours worked by all employees during calendar year
 20,000,000 = base for 10,000 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

² Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

³ Based on the Occupational Injury and Illness Classification System 2.01 developed by the U.S. Bureau of Labor Statistics.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: U.S. Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating state agencies, November 13, 2019

Table 17. Incidence rates ¹ for nonfatal occupational injuries and illnesses involving days away from work ² per 10,000 full-time workers by selected worker characteristics, major occupational group, and selected sources of injury or illness, private industry, Pennsylvania, 2018

Characteristic	Private industry	Source of injury or illness ³												
		Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials	Person, other than worker	Health care patient	Person, injured or ill worker	Worker motion or position	Floors, walkways, or ground surfaces	Handtools	Vehicles	All other sources
Total	94.3	1.8	10.6	4.0	5.1	7.5	8.4	5.5	11.5	11.2	17.2	5.1	10.1	11.1
Gender:														
Male	97.3	1.8	12.6	4.1	6.7	12.4	2.5	1.7	11.8	11.5	13.5	7.5	11.3	10.9
Female	90.3	1.8	8.1	4.0	3.0	1.3	16.2	10.5	11.2	10.9	22.0	2.0	8.5	11.0
Age:														
14 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16 - 19	93.0	2.0	13.9	3.0	8.7	3.8	4.8	3.9	14.8	14.4	22.2	4.9	2.7	12.0
20 - 24	114.2	3.2	11.8	4.1	4.9	14.7	7.5	6.3	9.0	8.4	10.3	20.9	9.6	17.6
25 - 34	78.6	1.0	10.5	3.0	5.0	9.0	7.5	6.0	8.4	8.1	11.4	5.0	7.9	9.4
35 - 44	81.4	1.9	8.7	4.3	4.3	6.1	6.3	5.4	11.5	11.3	13.0	4.4	10.8	8.2
45 - 54	105.8	2.3	11.5	6.1	5.7	6.7	11.4	6.2	14.5	14.4	17.0	2.3	13.3	14.2
55 - 64	107.7	1.6	12.0	3.7	5.1	7.3	6.5	4.9	14.2	13.7	28.2	2.8	9.7	10.6
65 and over	85.7	1.2	4.9	1.5	3.8	1.5	18.1	2.8	6.5	6.1	28.7	1.4	9.5	7.8
Major occupational group:														
Management occupations	44.9	--	3.6	.6	--	2.0	3.2	2.1	3.1	3.1	15.5	--	1.4	2.2
Business and financial operations occupations	8.4	--	--	2.0	--	--	--	--	1.0	1.0	2.7	--	2.0	--
Computer and mathematical occupations	6.6	--	--	--	--	--	--	--	1.8	1.8	3.3	--	--	--
Architecture and engineering occupations	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Life, physical, and social science occupations	33.7	--	--	6.7	--	--	7.1	7.1	6.5	--	4.7	--	--	--
Community and social service occupations	61.7	--	8.4	2.8	--	--	15.5	8.6	2.5	--	16.9	--	10.6	4.6
Legal occupations	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Education, training, and library occupations	100.8	--	--	3.3	--	--	43.9	--	17.4	17.4	13.5	--	--	7.9
Arts, design, entertainment, sports, and media occupations	27.8	--	4.8	--	--	--	--	--	4.0	4.0	6.2	--	--	--
Healthcare practitioners and technical occupations	82.1	1.2	2.0	2.3	1.1	--	23.7	23.1	10.0	9.9	16.4	--	9.2	15.9
Healthcare support occupations	153.3	4.4	3.6	11.1	2.7	--	67.4	65.3	16.6	15.9	25.3	--	6.1	14.4
Protective service occupations	82.6	--	--	--	--	--	19.3	7.8	11.7	11.4	27.0	--	14.6	4.7
Food preparation and serving related occupations	72.3	1.1	12.5	2.2	5.5	.5	--	--	7.0	7.0	21.8	5.4	1.8	14.1
Building and grounds cleaning and maintenance occupations	184.7	12.7	19.3	14.9	11.9	6.2	3.1	3.0	25.5	24.9	26.7	25.8	7.3	25.4
Personal care and service occupations	128.6	--	1.4	1.0	2.6	--	47.5	20.8	12.6	12.2	22.6	7.1	3.4	29.6
Sales and related occupations	68.4	--	10.6	5.1	4.6	2.7	1.6	--	5.2	5.2	18.8	1.5	11.9	4.9
Office and administrative support occupations	37.9	1.1	7.4	2.9	.5	1.0	.4	.2	4.5	4.1	10.1	.3	7.3	2.1
Farming, fishing, and forestry occupations	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Construction and extraction occupations	144.5	8.2	3.9	6.1	7.9	27.0	--	--	16.0	16.0	11.9	25.1	7.6	26.0
Installation, maintenance, and repair occupations	143.2	1.6	7.5	4.5	13.1	34.3	--	--	17.3	17.0	10.1	18.5	14.2	16.9
Production occupations	122.2	2.5	13.1	2.7	19.8	21.7	--	--	18.9	18.5	17.2	9.1	3.6	12.2
Transportation and material moving occupations	205.1	1.3	44.8	7.7	6.0	16.3	1.5	.4	28.4	27.9	33.2	4.4	42.6	17.1

¹ Incidence rates represent the number of injuries and illnesses per 10,000 full-time workers and were calculated as: $(N/EH) \times 20,000,000$ where

N = number of injuries and illnesses

EH = total hours worked by all employees during calendar year

20,000,000 = base for 10,000 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

² Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

³ Based on the Occupational Injury and Illness Classification System 2.01 developed by the U.S. Bureau of Labor Statistics.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: U.S. Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating state agencies, November 13, 2019

Table 18. Incidence rates ¹ for nonfatal occupational injuries and illnesses involving days away from work ² per 10,000 full-time workers by selected worker characteristics, major occupational group, and selected events or exposures leading to injury or illness, private industry, Pennsylvania, 2018

Characteristic	Private industry	Event or exposure leading to injury or illness ³																			
		Contact with objects				Falls, slips, trips				Overexertion		Repetitive motion involving microtasks	Exposure to harmful substance or environment	Transportation accidents		Fires and explosions	Violence and other injuries by persons or animal				All other events
		Total	Struck by object	Struck against object	Caught in or compressed or crushed	Total	Fall to lower level	Fall on same level	Slips or trips without fall	Total	In lifting			Total	Roadway accidents		Total	Intentional injury by other person	Injury by person—unintentional or intent unknown	Animal and insect related incidents	
Total	94.3	22.8	12.8	4.2	4.8	25.9	5.9	16.2	3.1	30.4	9.4	1.5	4.1	4.1	2.7	--	6.6	3.7	9	2.1	.3
Gender:																					
Male	97.3	29.0	17.7	4.7	5.3	24.0	7.6	12.3	3.3	33.8	11.5	.9	3.8	4.0	2.2	--	2.4	1.0	5	9	.3
Female	90.3	14.9	6.4	3.6	4.1	28.4	3.8	21.4	3.0	26.1	6.9	2.3	4.4	4.2	3.3	--	12.1	7.1	1.4	3.6	.2
Age:																					
14 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16 - 19	93.0	31.1	14.2	11.3	3.6	30.6	--	21.9	--	20.4	6.9	--	6.8	--	--	--	--	--	--	--	--
20 - 24	114.2	47.7	33.8	6.7	6.7	14.6	3.3	9.2	1.8	31.8	8.7	--	9.2	4.1	1.8	--	6.1	1.4	2.1	2.5	.7
25 - 34	78.6	26.6	15.9	4.4	4.9	15.7	3.0	10.6	1.9	24.0	6.4	1.4	3.4	4.2	1.7	--	4.5	3.1	8	7	.2
35 - 44	81.4	17.9	10.0	3.6	3.3	24.1	6.9	13.2	3.8	28.3	10.4	1.1	3.5	4.6	3.7	--	2.7	1.7	8	--	.3
45 - 54	105.8	20.9	8.0	4.4	7.0	26.9	5.0	17.6	4.0	37.9	10.6	2.7	4.5	4.1	3.2	--	11.4	5.9	7	4.8	.2
55 - 64	107.7	16.7	9.2	3.0	4.1	41.4	11.0	24.7	3.3	37.2	12.7	1.8	3.2	3.9	2.6	--	5.0	1.6	7	2.7	.3
65 and over	85.7	10.9	6.6	2.2	1.3	34.4	8.4	24.0	2.0	15.9	4.2	--	1.2	4.3	3.3	--	18.9	15.8	7	2.3	--
Major occupational group:																					
Management occupations	44.9	7.0	5.5	--	--	28.0	12.4	14.9	.7	5.4	1.1	--	1.2	.9	9	--	2.4	1.6	--	--	--
Business and financial operations occupations	8.4	1.2	--	--	--	4.3	--	3.7	--	2.7	--	--	--	--	--	--	--	--	--	--	--
Computer and mathematical occupations	6.6	--	--	--	--	3.4	--	2.9	--	3.1	--	1.4	--	--	--	--	--	--	--	--	--
Architecture and engineering occupations	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Life, physical, and social science occupations	33.7	13.4	5.8	6.2	--	4.7	--	4.7	--	7.7	--	--	--	--	--	--	7.1	6.0	--	--	--
Community and social service occupations	61.7	3.7	3.1	--	--	19.8	9.3	10.5	--	11.8	--	--	3.3	10.3	10.3	--	12.7	5.4	7.3	--	--
Legal occupations	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Education, training, and library occupations	100.8	9.8	2.9	6.9	--	14.7	--	13.1	--	18.8	--	--	8.0	--	--	--	42.7	40.8	1.9	--	--
Arts, design, entertainment, sports, and media occupations	27.8	8.8	7.5	--	--	9.7	--	7.7	--	7.4	--	--	--	--	--	--	--	--	--	--	--
Healthcare practitioners and technical occupations	82.1	11.0	4.0	2.4	1.1	20.7	1.4	16.5	2.7	25.2	6.2	2.4	3.8	7.8	7.4	--	13.6	6.0	2.7	4.9	--
Healthcare support occupations	153.3	12.1	7.9	2.8	1.1	37.0	2.3	29.8	4.8	71.3	13.0	1.3	8.4	3.1	3.0	--	21.0	12.5	4.7	3.8	--
Protective service occupations	82.6	5.3	--	--	--	36.2	6.7	23.2	4.6	12.4	3.7	--	--	12.3	4.2	--	15.3	12.4	--	--	--
Food preparation and serving related occupations	72.3	20.6	13.0	5.8	1.8	26.9	3.7	18.5	4.7	12.7	8.1	.6	11.7	--	--	--	--	--	--	--	--
Building and grounds cleaning and maintenance occupations	184.7	52.1	38.7	5.4	8.0	41.1	10.5	24.9	5.5	68.0	16.8	1.6	14.2	3.5	--	--	5.4	1.5	--	2.6	--
Personal care and service occupations	128.6	14.3	6.6	3.0	4.6	29.2	2.4	20.8	5.9	27.7	7.4	--	1.9	2.7	2.5	--	52.2	26.0	4.0	22.1	--
Sales and related occupations	68.4	19.6	6.1	3.0	10.4	22.2	1.7	19.7	.7	21.6	10.5	.4	--	2.6	--	--	1.7	1.3	--	--	.5
Office and administrative support occupations	37.9	6.8	4.7	1.1	.7	15.9	4.5	9.6	1.2	12.8	5.5	.7	1.4	.9	--	--	--	--	--	--	--
Farming, fishing, and forestry occupations	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Construction and extraction occupations	144.5	50.6	35.4	9.5	2.7	29.6	13.9	11.6	3.0	47.7	8.4	--	8.7	6.5	5.2	--	--	--	--	--	1.0
Installation, maintenance, and repair occupations	143.2	53.5	30.2	9.1	11.3	26.1	10.8	8.3	2.4	58.5	16.6	--	2.9	1.5	--	--	--	--	--	--	.8
Production occupations	122.2	49.1	23.6	8.0	15.4	23.3	3.2	16.2	3.8	42.2	12.0	7.4	6.1	.7	--	--	.5	--	--	--	--
Transportation and material moving occupations	205.1	44.4	26.0	8.4	8.0	57.0	15.5	29.5	9.9	75.4	27.3	2.1	4.5	18.2	11.4	--	4.8	1.0	--	3.7	.8

¹ Incidence rates represent the number of injuries and illnesses per 10,000 full-time workers and were calculated as: (N/EH) x 20,000,000 where

N = number of injuries and illnesses
 EH = total hours worked by all employees during calendar year
 20,000,000 = base for 10,000 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

² Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

³ Based on the Occupational Injury and Illness Classification System 2.01 developed by the U.S. Bureau of Labor Statistics.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: U.S. Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating state agencies, November 13, 2019