

Table 10. Incidence rate¹ and number of nonfatal occupational injuries by industry, Pennsylvania, 2017

Industry ²	NAICS code ³	Incidence rate ¹	Number of cases (thousands)	Percent relative standard errors	
				Incidence rates	Numbers
All industries including state and local government⁴		2.9	135.4	2.9	2.4
Private industry⁴		3.0	126.9	2.5	2.3
Goods-producing⁴		3.7	31.5	3.7	3.5
Natural resources and mining^{4,5}		3.2	1.5	21.0	16.6
Agriculture, forestry, fishing and hunting⁴		4.3	0.9	32.9	26.1
Crop production ⁴	111	5.9	0.7	38.9	31.9
Greenhouse, nursery, and floriculture production ⁴	1114	3.2	0.3	16.3	19.8
Food crops grown under cover ⁴	11141	3.9	0.3	17.0	22.0
Mushroom production ⁴	111411	4.0	0.3	17.3	22.0
Support activities for agriculture and forestry	115	1.5	(⁸)	64.1	62.6
Mining, quarrying, and oil and gas extraction⁵		2.2	0.6	10.5	10.9
Oil and gas extraction	211	--	(⁸)	47.3	17.6
Oil and gas extraction	2111	--	(⁸)	47.3	17.6
Oil and gas extraction	21111	--	(⁸)	47.3	17.6
Crude petroleum and natural gas extraction	211111	--	(⁸)	(¹⁰)	(¹⁰)
Natural gas liquid extraction	211112	--	(⁸)	17.2	17.6
Mining (except oil and gas) ⁶	212	3.5	0.4	(⁹)	(⁹)
Coal mining ⁶	2121	4.4	0.3	(⁹)	(⁹)
Coal mining ⁶	21211	4.4	0.3	(⁹)	(⁹)
Bituminous coal and lignite surface mining ⁶	212111	2.0	(⁸)	(⁹)	(⁹)
Bituminous coal underground mining ⁶	212112	5.0	0.2	(⁹)	(⁹)
Anthracite mining ⁶	212113	4.5	(⁸)	(⁹)	(⁹)
Nonmetallic mineral mining and quarrying ⁶	2123	2.4	0.1	(⁹)	(⁹)
Construction		3.4	8.0	10.2	10.0
Construction		3.4	8.0	10.2	10.0

See footnotes at end of table.

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Construction of buildings	236	3.9	2.2	23.7	23.6
Nonresidential building construction	2362	3.9	1.2	29.8	29.5
Heavy and civil engineering construction	237	3.2	1.2	24.3	22.4
Utility system construction	2371	2.8	0.6	36.6	34.4
Water and sewer line and related structures construction	23711	5.6	0.4	50.9	52.2
Highway, street, and bridge construction	2373	4.6	0.6	29.5	28.7
Specialty trade contractors	238	3.3	4.6	12.0	11.8
Foundation, structure, and building exterior contractors	2381	3.9	0.9	29.0	27.7
Roofing contractors	23816	3.1	0.1	44.8	51.7
Building equipment contractors	2382	3.0	2.1	17.8	17.4
Electrical contractors and other wiring installation contractors	23821	2.5	0.7	24.9	22.8
Plumbing, heating, and air-conditioning contractors	23822	3.5	1.3	24.1	24.2
Other building equipment contractors	23829	0.8	(⁸)	37.8	37.1
Building finishing contractors	2383	3.7	0.8	24.7	25.7
Other specialty trade contractors	2389	3.2	0.8	29.5	30.3
Site preparation contractors	23891	2.7	0.4	45.0	45.6
All other specialty trade contractors	23899	3.8	0.4	36.9	40.4
Manufacturing		3.9	22.0	3.5	3.2
Manufacturing		3.9	22.0	3.5	3.2
Food manufacturing	311	5.0	3.5	7.1	6.7
Sugar and confectionery product manufacturing	3113	3.3	0.3	10.1	10.9
Chocolate and confectionery manufacturing	31135	3.1	0.3	11.7	12.6
Fruit and vegetable preserving and specialty food manufacturing	3114	5.0	0.4	18.3	20.9
Dairy product manufacturing	3115	4.3	0.3	32.7	30.4
Animal slaughtering and processing	3116	6.7	1.2	8.9	9.4
Animal slaughtering and processing	31161	6.7	1.2	8.9	9.4
Animal (except poultry) slaughtering	311611	6.2	0.4	3.8	4.6
Meat processed from carcasses	311612	7.5	0.5	21.8	23.3
Bakeries and tortilla manufacturing	3118	2.9	0.3	26.8	27.8
Other food manufacturing	3119	4.8	0.6	13.5	11.4
Snack food manufacturing	31191	3.6	0.2	7.5	5.1

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Industry ²	NAICS code ³	Incidence rate ¹	Number of cases (thousands)	Percent relative standard errors	
				Incidence rates	Numbers
Beverage and tobacco product manufacturing	312	6.7	0.7	31.6	28.4
Beverage manufacturing	3121	6.9	0.6	32.7	29.4
Tobacco manufacturing	3122	3.8	(⁸)	13.1	10.9
Textile mills	313	0.9	(⁸)	17.0	21.5
Apparel manufacturing	315	2.3	0.1	10.9	10.0
Wood product manufacturing	321	6.7	1.6	12.0	11.5
Sawmills and wood preservation	3211	6.2	0.3	25.2	26.8
Veneer, plywood, and engineered wood product manufacturing	3212	10.0	0.3	16.6	16.2
Other wood product manufacturing	3219	6.2	1.0	16.7	15.8
Paper manufacturing	322	4.1	0.9	24.0	23.9
Pulp, paper, and paperboard mills	3221	1.4	(⁸)	13.2	20.5
Converted paper product manufacturing	3222	4.6	0.9	24.8	25.1
Printing and related support activities	323	2.9	0.7	14.9	14.5
Chemical manufacturing	325	1.9	0.7	19.5	17.4
Pharmaceutical and medicine manufacturing	3254	0.9	0.2	19.3	19.3
Pharmaceutical and medicine manufacturing	32541	0.9	0.2	19.3	19.3
Pharmaceutical preparation manufacturing	325412	0.8	0.1	21.0	19.0
Plastics and rubber products manufacturing	326	5.5	2.2	8.6	8.1
Plastics product manufacturing	3261	5.8	2.0	9.1	8.6
Rubber product manufacturing	3262	3.2	0.2	16.9	16.3
Nonmetallic mineral product manufacturing	327	5.8	1.2	23.7	23.7
Glass and glass product manufacturing	3272	3.9	0.2	29.5	31.0
Cement and concrete product manufacturing	3273	6.9	0.6	25.7	26.3
Primary metal manufacturing	331	3.8	1.4	7.5	7.5
Iron and steel mills and ferroalloy manufacturing	3311	2.3	0.3	14.6	15.0
Steel product manufacturing from purchased steel	3312	4.8	0.3	19.1	17.9
Iron and steel pipe and tube manufacturing from purchased steel	33121	4.7	0.1	29.3	27.0
Rolling and drawing of purchased steel	33122	4.9	0.1	24.4	23.6
Alumina and aluminum production and processing	3313	2.2	0.1	18.2	16.7
Nonferrous metal (except aluminum) production and processing	3314	3.3	0.2	14.1	15.5
Foundries	3315	6.1	0.5	14.1	13.6
Fabricated metal product manufacturing	332	3.9	3.1	8.7	8.4
Forging and stamping	3321	4.6	0.5	28.0	26.6
Forging and stamping	33211	4.6	0.5	28.0	26.6
Powder metallurgy part manufacturing	332117	3.6	0.2	51.7	52.9

See footnotes at end of table.

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Architectural and structural metals manufacturing	3323	5.1	1.1	13.6	13.2
Plate work and fabricated structural product manufacturing	33231	5.3	0.5	17.8	17.9
Ornamental and architectural metal products manufacturing	33232	4.9	0.6	19.8	18.9
Sheet metal work manufacturing	332322	4.4	0.2	47.7	47.3
Boiler, tank, and shipping container manufacturing	3324	6.1	0.3	20.7	22.6
Machine shops; turned product; and screw, nut, and bolt manufacturing	3327	2.3	0.5	23.9	24.0
Machine shops	33271	2.7	0.4	27.0	27.4
Turned product and screw, nut, and bolt manufacturing	33272	1.2	0.1	14.1	13.8
Coating, engraving, heat treating, and allied activities	3328	3.6	0.2	32.4	32.1
Machinery manufacturing	333	3.9	1.6	11.5	10.7
Agriculture, construction, and mining machinery manufacturing	3331	3.7	0.2	10.4	9.8
Mining and oil and gas field machinery manufacturing	33313	4.7	0.1	7.4	12.4
Commercial and service industry machinery manufacturing	3333	3.1	0.1	24.7	23.5
Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	3334	4.6	0.2	41.6	38.7
Metalworking machinery manufacturing	3335	3.7	0.4	25.9	24.9
Metalworking machinery manufacturing	33351	3.7	0.4	25.9	24.9
Engine, turbine, and power transmission equipment manufacturing	3336	6.1	0.2	11.0	15.1
Other general purpose machinery manufacturing	3339	4.0	0.5	26.8	24.8
Computer and electronic product manufacturing	334	1.5	0.5	19.3	19.7
Semiconductor and other electronic component manufacturing	3344	1.5	0.2	13.4	13.0
Navigational, measuring, electromedical, and control instruments manufacturing	3345	1.0	0.1	36.3	36.3
Electrical equipment, appliance, and component manufacturing	335	4.2	1.0	10.0	9.9
Electrical equipment manufacturing	3353	1.6	0.1	28.5	27.9
Transportation equipment manufacturing	336	3.9	1.4	10.2	9.3
Motor vehicle body and trailer manufacturing	3362	5.9	0.4	6.0	6.0
Motor vehicle parts manufacturing	3363	5.5	0.4	23.8	24.2
Aerospace product and parts manufacturing	3364	2.2	0.2	34.5	34.3
Railroad rolling stock manufacturing	3365	2.6	0.1	6.3	6.0
Furniture and related product manufacturing	337	4.1	0.6	22.7	20.8
Household and institutional furniture and kitchen cabinet manufacturing	3371	3.8	0.4	32.6	28.2
Office furniture (including fixtures) manufacturing	3372	4.7	0.2	35.4	37.1
Other furniture related product manufacturing	3379	5.0	0.1	35.5	38.7
Miscellaneous manufacturing	339	1.8	0.4	20.8	21.6

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Medical equipment and supplies manufacturing	3391	1.5	0.2	21.3	21.5
Other miscellaneous manufacturing	3399	2.0	0.2	35.2	34.9
Service-providing		2.8	95.4	3.0	2.8
Trade, transportation, and utilities⁷		3.5	32.3	3.8	3.5
Wholesale trade		2.6	5.7	11.9	10.3
Merchant wholesalers, durable goods	423	3.1	3.2	18.3	16.2
Motor vehicle and motor vehicle parts and supplies merchant wholesalers	4231	2.9	0.4	32.4	30.9
Lumber and other construction materials merchant wholesalers	4233	3.7	0.4	28.8	30.9
Professional and commercial equipment and supplies merchant wholesalers	4234	1.4	0.3	27.9	28.6
Machinery, equipment, and supplies merchant wholesalers	4238	3.4	0.8	23.1	20.6
Construction and mining (except oil well) machinery and equipment merchant wholesalers	42381	1.6	0.1	44.5	49.2
Industrial machinery and equipment merchant wholesalers	42383	3.5	0.4	29.2	30.4
Industrial supplies merchant wholesalers	42384	6.6	0.2	32.6	31.7
Merchant wholesalers, nondurable goods	424	3.0	2.0	12.9	10.8
Grocery and related product merchant wholesalers	4244	4.5	1.2	10.5	10.4
Beer, wine, and distilled alcoholic beverage merchant wholesalers	4248	7.5	0.3	20.8	22.3
Retail trade		3.3	14.9	5.6	5.4
Motor vehicle and parts dealers	441	3.5	2.7	18.4	18.3
Building material and garden equipment and supplies dealers	444	5.1	1.8	13.7	12.2
Building material and supplies dealers	4441	5.2	1.6	14.1	12.3
Food and beverage stores	445	3.8	3.5	6.7	7.0
Health and personal care stores	446	2.0	0.6	24.5	24.4
Gasoline stations	447	2.0	0.6	31.6	31.8
Clothing and clothing accessories stores	448	3.2	0.8	41.4	40.7
Sporting goods, hobby, book, and music stores	451	0.7	0.1	43.2	44.2
General merchandise stores	452	4.0	3.0	4.7	4.8
Department stores	4521	3.5	1.0	8.7	9.3

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Other general merchandise stores	4529	4.2	2.0	5.6	5.6
Miscellaneous store retailers	453	2.7	0.6	30.1	29.0
Nonstore retailers	454	2.0	0.5	24.2	24.1
Transportation and warehousing⁷		5.1	11.6	5.0	4.7
Air transportation	481	9.8	0.8	4.7	6.1
Truck transportation	484	5.1	3.7	11.4	10.4
General freight trucking	4841	4.8	2.6	14.9	13.3
General freight trucking, local	48411	7.7	1.1	27.9	28.2
General freight trucking, long-distance	48412	3.8	1.5	12.4	11.0
Specialized freight trucking	4842	6.0	1.1	15.7	15.8
Used household and office goods moving	48421	14.1	0.4	14.1	11.6
Specialized freight (except used goods) trucking, local	48422	4.8	0.6	24.9	26.7
Specialized freight (except used goods) trucking, long-distance	48423	3.9	0.1	40.4	45.5
Transit and ground passenger transportation	485	3.5	0.7	23.7	24.8
School and employee bus transportation	4854	2.6	0.3	22.1	24.7
Pipeline transportation	486	--	(⁸)	7.7	11.4
Pipeline transportation of natural gas	4862	--	(⁸)	9.5	13.5
Support activities for transportation	488	4.8	0.7	30.9	28.0
Couriers and messengers	492	6.8	1.3	10.5	11.1
Warehousing and storage	493	5.1	3.9	5.9	6.0
Utilities		0.9	0.2	33.7	31.7
Utilities	221	0.9	0.2	33.7	31.7
Electric power generation, transmission and distribution	2211	0.6	0.1	35.1	35.8
Electric power generation	22111	0.3	(⁸)	39.6	14.0
Fossil fuel electric power generation	221112	0.7	(⁸)	18.1	15.8
Water, sewage and other systems	2213	3.7	0.1	44.5	50.6
Information		1.9	1.4	27.4	24.7
Information		1.9	1.4	27.4	24.7

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Table 10. Incidence rate¹ and number of nonfatal occupational injuries by industry, Pennsylvania, 2017

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Publishing industries (except internet)	511	0.5	0.1	40.3	40.3
Newspaper, periodical, book, and directory publishers	5111	0.7	0.1	43.6	42.2
Broadcasting (except internet)	515	2.0	0.1	37.5	39.3
Telecommunications	517	3.1	0.8	38.6	38.2
Other information services	519	2.7	0.1	35.9	37.2
Finance, insurance, and real estate		0.8	2.3	20.2	19.9
Finance and insurance		0.4	1.0	17.8	18.0
Credit intermediation and related activities	522	0.7	0.6	28.2	28.8
Insurance carriers and related activities	524	0.3	0.3	17.4	17.0
Real estate and rental and leasing		2.2	1.3	31.7	32.1
Real estate	531	2.0	0.8	45.3	45.8
Rental and leasing services	532	2.6	0.5	42.3	41.6
Commercial and industrial machinery and equipment rental and leasing	5324	--	(⁸)	42.9	31.1
Professional and business services		1.3	9.3	10.6	9.6
Professional, scientific, and technical services		0.7	2.4	19.7	17.5
Professional, scientific, and technical services	541	0.7	2.4	19.7	17.5
Architectural, engineering, and related services	5413	0.4	0.2	44.0	44.3
Engineering services	54133	0.2	0.1	45.1	44.9
Specialized design services	5414	3.4	0.1	48.9	45.3
Computer systems design and related services	5415	(⁸)	(⁸)	34.2	33.3
Management, scientific, and technical consulting services	5416	--	--	--	--
Environmental consulting services	54162	--	(⁸)	(¹⁰)	(¹⁰)
Scientific research and development services	5417	1.1	0.3	27.4	28.0
Other professional, scientific, and technical services	5419	4.3	0.9	25.7	20.5
Veterinary services	54194	9.1	0.9	21.5	20.5
Management of companies and enterprises		0.7	0.9	23.7	23.2

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Industry ²	NAICS code ³	Incidence rate ¹	Number of cases (thousands)	Percent relative standard errors	
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Administrative and support and waste management and remediation services		2.3	6.0	13.8	12.7
Administrative and support services	561	2.1	5.0	16.0	15.1
Business support services	5614	1.1	0.3	47.5	48.0
Investigation and security services	5616	0.9	0.3	20.0	18.3
Services to buildings and dwellings	5617	3.3	1.9	23.5	23.0
Janitorial services	56172	2.2	0.6	19.9	18.8
Landscaping services	56173	4.2	1.0	37.9	39.5
Waste management and remediation services	562	6.1	1.0	18.1	12.7
Waste collection	5621	6.4	0.5	24.6	22.0
Waste collection	56211	6.4	0.5	24.6	22.0
Solid waste collection	562111	6.1	0.5	26.1	23.9
Waste treatment and disposal	5622	4.9	0.2	34.1	12.7
Remediation and other waste management services	5629	6.5	0.4	33.5	16.5
Educational and health services		4.0	35.4	4.7	4.3
Educational services		1.6	2.1	10.5	9.8
Educational services	611	1.6	2.1	10.5	9.8
Elementary and secondary schools	6111	2.6	0.7	21.6	20.9
Colleges, universities, and professional schools	6113	1.5	1.2	5.3	5.5
Health care and social assistance		4.4	33.4	4.9	4.5
Ambulatory health care services	621	2.2	5.8	11.7	11.1
Offices of physicians	6211	1.5	1.5	19.4	18.7
Other ambulatory health care services	6219	4.5	0.7	27.3	25.4
Ambulance services	62191	5.6	0.5	27.0	27.3
Hospitals	622	5.7	12.0	0.4	0.5
Nursing and residential care facilities	623	7.6	12.1	10.7	10.7
Nursing care facilities (skilled nursing facilities)	6231	7.1	3.9	6.2	6.4

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Industry ²	NAICS code ³	Incidence rate ¹	Number of cases (thousands)	Percent relative standard errors	
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Continuing care retirement communities and assisted living facilities for the elderly	6233	6.4	3.1	5.7	5.6
Social assistance	624	2.6	3.5	12.5	12.1
Vocational rehabilitation services	6243	6.3	0.5	39.0	37.8
Child day care services	6244	1.2	0.4	35.7	36.0
Leisure, entertainment, and hospitality		3.6	11.9	11.8	11.6
Arts, entertainment, and recreation		7.1	3.8	31.9	31.6
Museums, historical sites, and similar institutions	712	2.9	0.1	40.7	39.6
Amusement, gambling, and recreation industries	713	4.4	1.7	18.5	20.8
Amusement parks and arcades	7131	5.8	0.3	6.6	6.7
Gambling industries	7132	2.6	0.2	1.3	1.3
Other amusement and recreation industries	7139	4.7	1.3	25.3	28.7
Accommodation and food services		2.9	8.1	8.7	8.6
Accommodation	721	3.9	1.6	12.8	13.9
Food services and drinking places	722	2.8	6.5	10.4	10.2
Restaurants and other eating places	7225	2.9	5.8	11.4	11.2
Restaurants and other eating places	72251	2.9	5.8	11.4	11.2
Full-service restaurants	722511	2.6	2.9	12.4	12.5
Limited-service restaurants	722513	3.2	2.3	19.1	19.2
Other services (except public administration)		2.0	2.8	20.0	19.6
Other services (except public administration)		2.0	2.8	20.0	19.6
Repair and maintenance	811	3.0	1.5	31.5	32.0
Personal and laundry services	812	1.6	0.8	30.4	29.9
Personal care services	8121	--	(⁸)	(¹⁰)	(¹⁰)
Religious, grantmaking, civic, professional, and similar organizations	813	1.2	0.5	26.2	25.2
State and local government⁴		--	--	--	--

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Industry ²	NAICS code ³	Incidence rate ¹	Number of cases (thousands)	Percent relative standard errors	
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State government⁴		--	--	--	--
Local government⁴		--	--	--	--

¹ Incidence rates represent the number of injuries per 100 full-time workers and were calculated as: (N/EH) x 200,000 where

- N = number of injuries
- EH = total hours worked by all employees during the calendar year
- 200,000 = base for 100 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

² Totals include data for industries not shown separately.

³ *North American Industry Classification System* -- United States, 2012.

⁴ Excludes farms with fewer than 11 employees.

⁵ Data for mining (Sector 21 in the *North American Industry Classification System*, 2012 edition) 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.

⁶ Data for mining operators in this industry are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded. 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.

⁷ Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

⁸ Data too small to be displayed.

⁹ Relative standard errors were not calculated for mining, except oil and gas (NAICS 212), and rail transportation (NAICS 482).

¹⁰ Percent relative standard error less than 0.05.

NOTE: Because of rounding, components may not add to totals. Dashes indicate data that do not meet publication guidelines.

SOURCE: U.S. Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating state agencies, December 06, 2018