

**Table 10. Incidence rate<sup>1</sup> and number of nonfatal occupational injuries by industry, Pennsylvania, 2022**

Industry <sup>2</sup>	NAICS code <sup>3</sup>	Incidence rate <sup>1</sup>	Number of cases (thousands)	Percent relative standard errors	
				Incidence rates	Numbers
<b>All industries including state and local government<sup>4</sup></b>		2.6	121.6	6.5	4.9
<b>Private industry<sup>4</sup></b>		2.5	107.2	2.3	2.3
<b>Goods producing<sup>4</sup></b>		3.1	25.7	3.8	3.8
<b>Natural resources and mining<sup>4,5</sup></b>		3.1	1.4	14.5	15.8
<b>Agriculture, forestry, fishing and hunting<sup>4</sup></b>		4.0	0.9	15.2	19.8
Crop production <sup>4</sup>	111	4.6	0.5	21.0	30.5
Greenhouse, nursery, and floriculture production <sup>4</sup>	1114	4.8	0.4	23.9	36.2
Animal production and aquaculture <sup>4</sup>	112	3.1	0.2	19.5	24.5
Poultry and egg production <sup>4</sup>	1123	3.4	0.1	10.7	6.3
<b>Mining, quarrying, and oil and gas extraction<sup>5</sup></b>		2.1	0.5	27.3	26.1
Mining (except oil and gas) <sup>6</sup>	212	2.9	0.3	( <sup>9</sup> )	( <sup>9</sup> )
Coal mining <sup>6</sup>	2121	3.7	0.2	( <sup>9</sup> )	( <sup>9</sup> )
Coal mining <sup>6</sup>	21211	3.7	0.2	( <sup>9</sup> )	( <sup>9</sup> )
Bituminous coal and lignite surface mining <sup>6</sup>	212111	--	--	( <sup>9</sup> )	( <sup>9</sup> )
Bituminous coal underground mining <sup>6</sup>	212112	4.4	0.1	( <sup>9</sup> )	( <sup>9</sup> )
Anthracite mining <sup>6</sup>	212113	3.6	( <sup>8</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
Nonmetallic mineral mining and quarrying <sup>6</sup>	2123	2.2	0.1	( <sup>9</sup> )	( <sup>9</sup> )
Support activities for mining	213	--	--	--	--
Support activities for mining	2131	--	--	--	--
Support activities for mining	21311	--	--	--	--
Drilling oil and gas wells	213111	--	--	25.5	56.9
<b>Construction</b>		2.1	5.1	10.9	11.1
<b>Construction</b>		2.1	5.1	10.9	11.1
Construction of buildings	236	1.5	0.8	23.3	23.0
Residential building construction	2361	1.1	0.3	48.7	46.0
Nonresidential building construction	2362	1.9	0.5	23.2	25.3

Heavy and civil engineering construction	237	2.7	0.9	28.9	29.1
Utility system construction	2371	1.4	0.3	29.4	28.2
Water and sewer line and related structures construction	23711	3.2	0.2	35.2	31.4
Highway, street, and bridge construction	2373	5.2	0.6	39.6	40.9
Specialty trade contractors	238	2.2	3.4	13.3	13.7
Foundation, structure, and building exterior contractors	2381	2.5	0.6	26.0	27.1
Poured concrete foundation and structure contractors	23811	1.9	0.1	40.4	43.0
Building equipment contractors	2382	2.2	1.7	18.1	18.4
Electrical contractors and other wiring installation contractors	23821	1.3	0.4	28.3	28.4
Plumbing, heating, and air-conditioning contractors	23822	3.0	1.3	21.9	22.4
Building finishing contractors	2383	2.5	0.6	33.7	34.5
Other specialty trade contractors	2389	1.7	0.5	41.3	44.1
<b>Manufacturing</b>		3.6	19.2	4.0	3.9
<b>Manufacturing</b>		3.6	19.2	4.0	3.9
Food manufacturing	311	4.3	3.0	8.5	8.8
Sugar and confectionery product manufacturing	3113	3.4	0.3	18.9	20.1
Chocolate and confectionery manufacturing	31135	3.7	0.3	20.9	22.6
Fruit and vegetable preserving and specialty food manufacturing	3114	8.6	0.6	30.1	25.5
Dairy product manufacturing	3115	5.0	0.3	15.3	23.1
Animal slaughtering and processing	3116	4.2	0.7	6.0	7.4
Animal slaughtering and processing	31161	4.2	0.7	6.0	7.4
Animal (except poultry) slaughtering	311611	4.6	0.3	3.9	3.0
Bakeries and tortilla manufacturing	3118	4.6	0.5	22.9	30.1
Bread and bakery product manufacturing	31181	3.7	0.3	30.4	41.2
Other food manufacturing	3119	3.0	0.4	13.6	11.8
Snack food manufacturing	31191	4.2	0.3	17.5	14.5
Beverage and tobacco product manufacturing	312	4.4	0.5	23.0	23.6
Beverage manufacturing	3121	4.4	0.5	23.9	24.6
Wood product manufacturing	321	6.3	1.4	14.4	16.1
Sawmills and wood preservation	3211	4.3	0.2	37.4	40.3
Veneer, plywood, and engineered wood product manufacturing	3212	5.7	0.2	4.4	10.4
Other wood product manufacturing	3219	7.0	1.1	17.8	20.2
Paper manufacturing	322	2.8	0.6	17.3	20.3
Pulp, paper, and paperboard mills	3221	3.0	0.1	14.1	14.5
Converted paper product manufacturing	3222	2.7	0.5	20.3	23.8
Paperboard container manufacturing	32221	4.1	0.3	29.8	36.6
Corrugated and solid fiber box manufacturing	322211	3.3	0.2	16.3	15.9
Printing and related support activities	323	1.9	0.3	23.4	24.7
Chemical manufacturing	325	2.2	0.9	17.5	18.1
Pharmaceutical and medicine manufacturing	3254	1.5	0.3	16.3	22.7
Pharmaceutical and medicine manufacturing	32541	1.5	0.3	16.3	22.7
Plastics and rubber products manufacturing	326	4.1	1.6	12.5	13.4
Plastics product manufacturing	3261	4.2	1.5	13.5	14.9
Rubber product manufacturing	3262	3.5	0.2	28.7	16.8

Nonmetallic mineral product manufacturing	327	6.9	1.3	39.1	26.0
Glass and glass product manufacturing	3272	3.1	0.1	22.0	28.5
Primary metal manufacturing	331	4.3	1.4	8.9	8.7
Iron and steel mills and ferroalloy manufacturing	3311	2.7	0.3	26.2	26.6
Steel product manufacturing from purchased steel	3312	5.7	0.3	16.6	13.5
Iron and steel pipe and tube manufacturing from purchased steel	33121	6.9	0.2	12.0	16.6
Rolling and drawing of purchased steel	33122	4.6	0.1	32.9	22.7
Alumina and aluminum production and processing	3313	3.0	0.1	3.8	1.6
Nonferrous metal (except aluminum) production and processing	3314	3.6	0.2	12.5	13.0
Foundries	3315	6.8	0.5	15.9	15.4
Ferrous metal foundries	33151	7.9	0.4	18.8	17.5
Iron foundries	331511	7.8	0.3	22.0	19.6
Fabricated metal product manufacturing	332	3.4	2.6	8.3	9.2
Forging and stamping	3321	4.3	0.4	14.4	13.1
Forging and stamping	33211	4.3	0.4	14.4	13.1
Powder metallurgy part manufacturing	332117	2.0	0.1	19.9	26.3
Architectural and structural metals manufacturing	3323	3.6	0.8	15.1	17.5
Plate work and fabricated structural product manufacturing	33231	3.7	0.3	27.0	28.5
Ornamental and architectural metal products manufacturing	33232	3.5	0.5	17.6	22.2
Sheet metal work manufacturing	332322	3.4	0.2	23.4	25.9
Boiler, tank, and shipping container manufacturing	3324	2.8	0.1	26.5	5.1
Machine shops; turned product; and screw, nut, and bolt manufacturing	3327	2.8	0.5	20.6	21.4
Machine shops	33271	2.7	0.4	25.0	25.6
Turned product and screw, nut, and bolt manufacturing	33272	3.3	0.1	22.5	30.6
Coating, engraving, heat treating, and allied activities	3328	4.2	0.2	33.2	49.2
Machinery manufacturing	333	3.2	1.4	10.7	11.3
Agriculture, construction, and mining machinery manufacturing	3331	4.0	0.3	14.5	17.9
Mining and oil and gas field machinery manufacturing	33313	3.6	( <sup>8</sup> )	15.6	21.1
Commercial and service industry machinery manufacturing	3333	1.9	( <sup>8</sup> )	30.6	41.7
Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	3334	2.5	0.1	40.8	35.5
Metalworking machinery manufacturing	3335	2.4	0.2	23.3	23.3
Metalworking machinery manufacturing	33351	2.4	0.2	23.3	23.3
Special die and tool, die set, jig, and fixture manufacturing	333514	1.2	0.1	32.2	20.3
Engine, turbine, and power transmission equipment manufacturing	3336	2.0	( <sup>8</sup> )	14.2	27.3
Other general purpose machinery manufacturing	3339	3.5	0.4	26.1	29.2
Computer and electronic product manufacturing	334	1.6	0.5	27.6	31.0
Navigational, measuring, electromedical, and control instruments manufacturing	3345	2.5	0.4	32.9	36.3
Electrical equipment, appliance, and component manufacturing	335	2.4	0.6	8.5	10.2
Electrical equipment manufacturing	3353	0.9	0.1	44.7	49.7
Transportation equipment manufacturing	336	3.2	1.1	6.2	6.4
Motor vehicle body and trailer manufacturing	3362	4.7	0.3	13.2	15.1
Motor vehicle parts manufacturing	3363	3.1	0.2	16.2	18.0
Aerospace product and parts manufacturing	3364	1.5	0.1	19.9	18.1
Railroad rolling stock manufacturing	3365	2.4	0.1	15.6	14.8

Furniture and related product manufacturing	337	6.3	1.0	17.1	25.4
Household and institutional furniture and kitchen cabinet manufacturing	3371	7.5	0.7	18.6	31.1
Other furniture related product manufacturing	3379	4.3	( <sup>8</sup> )	24.4	29.3
Miscellaneous manufacturing	339	2.1	0.5	27.7	27.5
Medical equipment and supplies manufacturing	3391	1.0	0.1	20.8	31.1
Other miscellaneous manufacturing	3399	3.3	0.4	37.0	35.3
<b>Service providing</b>		2.4	81.5	2.8	2.8
<b>Trade transportation and utilities</b>		3.6	32.1	3.7	4.0
<b>Wholesale trade</b>		2.3	4.6	10.0	10.9
Merchant wholesalers, durable goods	423	2.7	2.7	14.8	17.1
Motor vehicle and motor vehicle parts and supplies merchant wholesalers	4231	4.6	0.8	21.8	26.7
Lumber and other construction materials merchant wholesalers	4233	4.7	0.5	24.8	22.7
Hardware, and plumbing and heating equipment and supplies merchant wholesalers	4237	0.9	0.1	35.5	34.0
Machinery, equipment, and supplies merchant wholesalers	4238	2.0	0.4	22.3	24.6
Miscellaneous durable goods merchant wholesalers	4239	2.3	0.2	32.5	33.1
Recyclable material merchant wholesalers	42393	3.3	0.1	29.9	34.7
Merchant wholesalers, nondurable goods	424	3.2	1.8	9.4	10.0
Grocery and related product merchant wholesalers	4244	5.0	1.2	7.6	9.2
Beer, wine, and distilled alcoholic beverage merchant wholesalers	4248	6.4	0.2	13.0	19.8
<b>Retail trade</b>		3.6	15.0	6.0	6.6
Motor vehicle and parts dealers	441	2.8	1.9	13.3	13.8
Furniture and home furnishings stores	442	2.0	0.2	47.8	44.0
Electronics and appliance stores	443	4.6	0.6	12.9	12.1
Building material and garden equipment and supplies dealers	444	4.9	1.8	15.5	15.4
Building material and supplies dealers	4441	5.3	1.6	15.0	15.7
Food and beverage stores	445	4.6	4.0	12.8	16.1
Health and personal care stores	446	2.1	0.6	31.6	31.6
Gasoline stations	447	1.6	0.5	36.3	36.7
Sporting goods, hobby, musical instrument, and book stores	451	1.1	0.1	52.9	47.1
General merchandise stores	452	5.2	3.8	7.1	7.4
Department stores	4522	3.2	0.8	11.2	15.0
General merchandise stores, including warehouse clubs and supercenters	4523	6.1	3.1	8.4	8.5
<b>Transportation and warehousing<sup>7</sup></b>		4.7	12.1	4.8	5.2
Air transportation	481	8.0	0.7	32.1	39.7
Truck transportation	484	3.4	2.4	11.0	12.3
General freight trucking	4841	4.1	2.1	11.5	13.7

General freight trucking, local	48411	3.8	0.5	16.1	18.9
General freight trucking, long-distance	48412	4.2	1.5	14.5	17.3
Specialized freight trucking	4842	1.7	0.3	25.7	23.5
Used household and office goods moving	48421	4.4	0.1	27.9	37.5
Specialized freight (except used goods) trucking, local	48422	1.6	0.2	36.5	31.9
Specialized freight (except used goods) trucking, long-distance	48423	--	--	31.4	23.3
Transit and ground passenger transportation	485	3.0	0.5	14.9	18.8
School and employee bus transportation	4854	2.4	0.2	26.8	25.5
Support activities for transportation	488	3.1	0.5	34.7	32.5
Couriers and messengers	492	9.0	3.0	6.6	6.9
Warehousing and storage	493	4.8	4.8	7.4	8.1
<b>Utilities</b>		2.1	0.5	34.4	28.2
Utilities	221	2.1	0.5	34.4	28.2
Water, sewage and other systems	2213	0.7	( <sup>8</sup> )	38.4	13.2
<b>Information</b>		1.5	1.2	26.9	26.6
<b>Information</b>		1.5	1.2	26.9	26.6
Motion picture and sound recording industries	512	7.2	0.3	43.6	55.0
Telecommunications	517	2.8	0.7	31.3	33.3
<b>Financial activities</b>		0.4	1.3	32.8	33.0
<b>Finance and insurance</b>		0.1	0.4	44.5	44.7
Insurance carriers and related activities	524	0.2	0.3	58.7	58.9
<b>Professional and business services</b>		1.0	7.9	11.5	11.3
<b>Professional, scientific, and technical services</b>		0.9	3.1	20.5	20.0
Professional, scientific, and technical services	541	0.9	3.1	20.5	20.0
Architectural, engineering, and related services	5413	0.4	0.2	31.9	31.2
Engineering services	54133	0.4	0.2	42.6	42.9
Computer systems design and related services	5415	--	--	( <sup>10</sup> )	39.6
Scientific research and development services	5417	1.5	0.6	41.5	37.2
Advertising, public relations, and related services	5418	0.7	0.1	53.3	58.3
<b>Administrative and support and waste management and remediation services</b>		1.8	4.7	13.9	13.7
Administrative and support services	561	--	--	--	--
Investigation and security services	5616	1.5	0.5	23.7	24.4
Services to buildings and dwellings	5617	3.1	1.8	26.5	26.1

Janitorial services	56172	1.7	0.4	24.2	26.0
Landscaping services	56173	3.5	1.0	36.9	35.7
Waste management and remediation services	562	4.8	0.9	18.1	21.5
Waste collection	5621	6.0	0.5	21.7	21.8
Waste collection	56211	6.0	0.5	21.7	21.8
Solid waste collection	562111	6.2	0.5	23.2	23.1
<b>Educational and health services</b>		3.1	28.6	4.5	4.4
<b>Educational services</b>		1.5	1.9	15.1	13.7
Educational services	611	1.5	1.9	15.1	13.7
Elementary and secondary schools	6111	3.5	0.9	26.3	24.6
Colleges, universities, and professional schools	6113	1.1	0.9	9.4	9.3
<b>Health care and social assistance</b>		3.4	26.7	4.6	4.6
Ambulatory health care services	621	2.0	5.4	12.9	13.1
Offices of physicians	6211	1.3	1.3	40.0	40.5
Other ambulatory health care services	6219	6.5	1.1	17.7	19.3
Ambulance services	62191	11.2	0.9	15.8	22.4
Hospitals	622	4.8	9.4	1.2	2.4
Nursing and residential care facilities	623	5.4	7.7	8.3	8.5
Nursing care facilities (skilled nursing facilities)	6231	5.6	2.4	7.3	8.1
Continuing care retirement communities and assisted living facilities for the elderly	6233	4.9	2.2	6.4	7.0
Social assistance	624	2.5	4.2	17.4	17.0
<b>Leisure and hospitality</b>		2.6	7.9	9.2	9.4
<b>Arts, entertainment, and recreation</b>		4.2	2.0	13.6	14.2
Performing arts, spectator sports, and related industries	711	7.0	0.8	25.8	25.4
Museums, historical sites, and similar institutions	712	3.2	0.1	31.7	41.3
Amusement, gambling, and recreation industries	713	3.4	1.1	17.2	18.2
Amusement parks and arcades	7131	6.9	0.3	9.7	3.4
Gambling industries	7132	1.2	0.1	6.7	9.2
Other amusement and recreation industries	7139	3.5	0.8	24.5	26.1
<b>Accommodation and food services</b>		2.3	5.9	11.4	11.6
Accommodation	721	2.6	0.9	17.0	17.6
Food services and drinking places	722	2.3	5.0	13.1	13.4
Restaurants and other eating places	7225	2.3	4.3	14.5	14.8
Restaurants and other eating places	72251	2.3	4.3	14.5	14.8
Full-service restaurants	722511	2.1	2.3	20.1	20.3
Limited-service restaurants	722513	2.4	1.6	24.3	25.4

<b>Other services (except public administration)</b>		1.8	2.5	20.0	21.2
<b>Other services (except public administration)</b>		1.8	2.5	20.0	21.2
Repair and maintenance	811	1.7	0.9	30.9	32.9
Automotive repair and maintenance	8111	1.0	0.4	33.6	34.8
Personal and laundry services	812	1.8	0.8	33.2	34.9
Religious, grantmaking, civic, professional, and similar organizations	813	1.9	0.8	39.2	42.0
<b>State and local government<sup>4</sup></b>		--	--	--	--
<b>State government<sup>4</sup></b>		3.1	3.0	11.1	12.6
<b>Service providing</b>		2.9	2.7	8.7	10.1
<b>Educational and health services</b>		3.2	1.2	14.2	15.5
<b>Educational services</b>		1.1	0.3	39.4	39.6
<b>Health care and social assistance</b>		6.8	0.9	13.7	16.4
Hospitals	622	18.5	0.5	5.8	19.5
Nursing and residential care facilities	623	9.4	0.4	19.3	28.7
<b>Public administration</b>		2.6	1.0	11.8	13.8
<b>Public administration</b>		2.6	1.0	11.8	13.8
Justice, public order, and safety activities	922	3.6	0.8	12.1	15.7
Justice, public order, and safety activities	9221	3.6	0.8	12.1	15.7
Police protection	92212	4.5	0.3	10.6	28.9
Correctional institutions	92214	3.3	0.4	13.8	17.8
<b>Local government<sup>4</sup></b>		--	--	--	--

<sup>1</sup> Incidence rates represent the number of injuries per 100 full-time workers and were calculated as:

$(N/EH) \times 200,000$  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).

<sup>2</sup> Totals include data for industries not shown separately.

<sup>3</sup> Data are coded using the North American Industry Classification System (NAICS). For more information on the version of NAICS used in this year, see our Handbook of Methods concepts page: <https://www.bls.gov/opub/hom/soii/concepts.htm>.

<sup>4</sup> Excludes farms with fewer than 11 employees.

<sup>5</sup> 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 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 of other industries.

<sup>6</sup> 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.

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

<sup>8</sup> Data too small to be displayed.

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