

Pennsylvania 2016 Survey of Occupational Injuries and Illnesses (SOII) Summary Data

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Table 1. Incidence rates¹ of nonfatal occupational injuries and illnesses by selected industries and case types, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
All industries including state and local government⁵		3.3	1.8	1.0	0.8	1.5
Private industry⁵		3.3	1.8	1.0	0.8	1.6
Goods-producing⁵		4.1	2.3	1.2	1.0	1.8
Natural resources and mining^{5,6}		3.3	1.7	1.0	0.7	1.6
Agriculture, forestry, fishing and hunting⁵		5.0	2.6	1.4	1.3	2.4
Crop production ⁵	111	6.1	3.7	2.0	1.6	2.5
Animal production and aquaculture ⁵	112	4.1	1.3	--	1.1	2.8
Mining, quarrying, and oil and gas extraction⁶		2.0	1.0	0.8	0.2	1.0
Oil and gas extraction	211	0.3	--	--	--	--
Mining (except oil and gas) ⁷	212	3.3	2.4	2.0	0.4	1.0
Support activities for mining	213	1.7	0.2	0.1	--	--
Construction		4.4	2.2	1.7	0.5	2.2
Construction		4.4	2.2	1.7	0.5	2.2
Construction of buildings	236	4.9	2.5	2.1	0.4	2.5
Heavy and civil engineering construction	237	2.6	1.3	0.8	0.5	1.4
Specialty trade contractors	238	4.6	2.3	1.7	0.6	2.3
Manufacturing		4.0	2.3	1.1	1.3	1.7

See footnotes at end of table.

Table 1. Incidence rates¹ of nonfatal occupational injuries and illnesses by selected industries and case types, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
Manufacturing		4.0	2.3	1.1	1.3	1.7
Food manufacturing	311	5.4	3.9	1.3	2.6	1.6
Beverage and tobacco product manufacturing	312	3.3	1.2	0.4	0.8	2.1
Textile mills	313	6.0	4.5	--	1.5	1.6
Wood product manufacturing	321	7.0	4.5	2.3	2.2	2.5
Paper manufacturing	322	3.2	1.9	0.9	1.0	1.3
Printing and related support activities	323	3.6	1.5	0.6	0.9	2.1
Petroleum and coal products manufacturing	324	1.9	1.6	1.1	0.5	0.3
Chemical manufacturing	325	1.7	0.9	0.4	0.6	0.8
Plastics and rubber products manufacturing	326	4.1	2.6	1.2	1.5	1.5
Nonmetallic mineral product manufacturing	327	4.0	2.5	1.6	0.9	1.4
Primary metal manufacturing	331	3.8	2.2	1.1	1.1	1.6
Fabricated metal product manufacturing	332	5.3	2.5	1.3	1.2	2.8
Machinery manufacturing	333	2.8	1.6	0.8	0.8	1.2
Computer and electronic product manufacturing	334	1.1	0.7	0.2	0.4	0.4
Electrical equipment, appliance, and component manufacturing	335	5.3	2.6	1.3	1.3	2.8
Transportation equipment manufacturing	336	4.3	2.4	1.1	1.3	2.0
Furniture and related product manufacturing	337	4.2	3.1	1.4	1.7	1.1
Miscellaneous manufacturing	339	3.2	1.6	1.0	0.5	1.7
Service-providing		3.2	1.6	0.9	0.7	1.5
Trade, transportation, and utilities⁸		3.6	2.3	1.2	1.1	1.3
Wholesale trade		2.5	1.7	1.0	0.7	0.8
Merchant wholesalers, durable goods	423	2.7	1.6	1.1	0.4	1.1
Merchant wholesalers, nondurable goods	424	3.5	2.8	1.2	1.6	0.8
Wholesale electronic markets and agents and brokers	425	0.6	0.4	0.4	--	0.1

See footnotes at end of table.

Table 1. Incidence rates¹ of nonfatal occupational injuries and illnesses by selected industries and case types, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
Retail trade		3.6	2.1	1.1	1.1	1.5
Motor vehicle and parts dealers	441	3.8	2.7	1.6	1.0	1.2
Electronics and appliance stores	443	0.5	0.4	0.2	--	--
Building material and garden equipment and supplies dealers	444	5.1	3.2	1.4	1.8	2.0
Food and beverage stores	445	3.9	2.4	1.2	1.2	1.5
Health and personal care stores	446	--	0.5	--	0.5	--
Gasoline stations	447	4.1	2.3	0.8	--	1.8
Sporting goods, hobby, book, and music stores	451	2.7	1.0	--	0.4	1.8
General merchandise stores	452	4.8	2.7	1.1	1.6	2.1
Miscellaneous store retailers	453	4.3	1.8	0.8	0.9	--
Nonstore retailers	454	1.4	1.0	0.5	0.5	0.4
Transportation and warehousing⁸		4.9	3.5	1.9	1.6	1.4
Air transportation	481	9.3	7.2	4.8	2.4	2.1
Truck transportation	484	4.3	3.0	2.0	1.0	1.3
Transit and ground passenger transportation	485	3.1	1.8	1.4	0.4	1.3
Support activities for transportation	488	2.0	1.5	1.3	0.2	0.5
Couriers and messengers	492	6.2	4.7	2.3	2.4	1.5
Warehousing and storage	493	6.1	4.6	1.7	2.8	1.5
Utilities		1.4	0.8	0.5	0.3	0.6
Utilities	221	1.4	0.8	0.5	0.3	0.6
Information		1.6	0.7	0.5	0.3	0.9
Information		1.6	0.7	0.5	0.3	0.9

See footnotes at end of table.

Table 1. Incidence rates¹ of nonfatal occupational injuries and illnesses by selected industries and case types, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
Publishing industries (except internet)	511	1.1	0.4	0.3	0.1	0.8
Broadcasting (except internet)	515	1.3	0.4	0.4	--	--
Telecommunications	517	2.7	1.6	1.0	0.6	1.1
Other information services	519	--	--	--	--	--
Finance, insurance, and real estate		1.4	0.8	0.8	(⁹)	0.6
Finance and insurance		0.7	0.4	0.4	(⁹)	0.3
Credit intermediation and related activities	522	0.9	--	--	--	0.3
Insurance carriers and related activities	524	0.5	0.1	0.1	(⁹)	0.4
Real estate and rental and leasing		4.3	2.6	2.5	0.1	--
Real estate	531	3.3	3.1	3.1	--	--
Professional and business services		1.3	0.6	0.4	0.2	0.7
Professional, scientific, and technical services		0.8	0.2	0.1	0.1	0.7
Professional, scientific, and technical services	541	0.8	0.2	0.1	0.1	0.7
Management of companies and enterprises		0.5	0.2	0.1	0.1	0.3
Administrative and support and waste management and remediation services		2.2	1.3	0.8	0.5	0.9
Waste management and remediation services	562	4.2	2.7	1.4	1.3	1.6

See footnotes at end of table.

Table 1. Incidence rates¹ of nonfatal occupational injuries and illnesses by selected industries and case types, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
Educational and health services		4.7	2.2	1.0	1.1	2.5
Educational services		2.0	0.7	0.5	0.2	1.3
Educational services	611	2.0	0.7	0.5	0.2	1.3
Health care and social assistance		5.1	2.4	1.1	1.3	2.7
Ambulatory health care services	621	3.4	1.1	0.7	0.4	2.3
Hospitals	622	5.9	2.5	1.2	1.3	3.4
Nursing and residential care facilities	623	8.0	5.2	1.8	3.4	2.8
Social assistance	624	3.4	1.3	0.9	0.4	2.0
Leisure, entertainment, and hospitality		4.3	1.7	1.0	0.7	2.6
Arts, entertainment, and recreation		6.3	4.0	1.0	--	2.2
Museums, historical sites, and similar institutions	712	4.1	1.2	0.5	0.7	2.9
Amusement, gambling, and recreation industries	713	4.1	2.1	1.2	1.0	1.9
Accommodation and food services		3.9	1.3	1.0	0.3	2.6
Accommodation	721	4.4	2.0	1.2	0.8	2.4
Food services and drinking places	722	3.9	1.2	1.0	0.2	2.7
Other services (except public administration)		2.3	1.1	0.9	0.2	1.2
Other services (except public administration)		2.3	1.1	0.9	0.2	1.2
Repair and maintenance	811	3.1	1.3	--	0.3	1.8

See footnotes at end of table.

Table 1. Incidence rates¹ of nonfatal occupational injuries and illnesses by selected industries and case types, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
Religious, grantmaking, civic, professional, and similar organizations	813	1.6	0.5	0.4	--	1.0
State and local government⁵		--	--	--	--	--
State government⁵		--	--	--	--	--
Local government⁵		--	--	--	--	--
Service-providing		--	--	--	--	--
Trade, transportation, and utilities⁸		4.7	2.3	1.1	1.2	--
Utilities		--	--	--	--	--

Table 1. Incidence rates¹ of nonfatal occupational injuries and illnesses by selected industries and case types, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	

¹ Incidence rates represent the number of injuries and/or illnesses per 100 full-time workers and were calculated as: $(N / EH) \times 200,000$ where,
 N = number of injuries and/or illnesses
 EH = total hours worked by all employees during the calendar year
 200,000 = base for 100 full-time equivalent 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 Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

⁵ Excludes farms with fewer than 11 employees.

⁶ 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 OSHA 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 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.

⁸ Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

⁹ Data too small to be displayed.

NOTE: Because of rounding, components may not add to totals. Dash indicates data 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, October 31, 2017

Table 2. Numbers of nonfatal occupational injuries and illnesses by selected industries and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
All industries including state and local government⁴		150.9	80.3	45.0	35.3	70.6
Private industry⁴		138.0	72.7	40.1	32.6	65.2
Goods-producing⁴		33.8	18.7	10.3	8.5	15.1
Natural resources and mining^{4,5}		1.7	0.9	0.5	0.3	0.8
Agriculture, forestry, fishing and hunting⁴		1.1	0.6	0.3	0.3	0.5
Crop production ⁴	111	0.8	0.5	0.3	0.2	0.3
Animal production and aquaculture ⁴	112	0.2	0.1	(⁸)	0.1	0.2
Mining, quarrying, and oil and gas extraction⁵		0.6	0.3	0.2	(⁸)	0.3
Oil and gas extraction	211	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Mining (except oil and gas) ⁶	212	0.3	0.2	0.2	(⁸)	0.1
Support activities for mining	213	0.2	(⁸)	(⁸)	--	--
Construction		9.6	4.8	3.7	1.1	4.8
Construction		9.6	4.8	3.7	1.1	4.8
Construction of buildings	236	2.6	1.3	1.1	0.2	1.3
Heavy and civil engineering construction	237	0.9	0.4	0.3	0.2	0.5
Specialty trade contractors	238	6.1	3.1	2.3	0.8	3.1
Manufacturing		22.5	13.1	6.0	7.0	9.4

See footnotes at end of table.

Table 2. Numbers of nonfatal occupational injuries and illnesses by selected industries and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
Manufacturing		22.5	13.1	6.0	7.0	9.4
Food manufacturing	311	3.8	2.7	0.9	1.8	1.1
Beverage and tobacco product manufacturing	312	0.3	0.1	(⁸)	0.1	0.2
Textile mills	313	0.2	0.1	--	(⁸)	0.1
Wood product manufacturing	321	1.6	1.0	0.5	0.5	0.6
Paper manufacturing	322	0.8	0.5	0.2	0.3	0.3
Printing and related support activities	323	0.8	0.3	0.1	0.2	0.5
Petroleum and coal products manufacturing	324	0.1	0.1	0.1	(⁸)	(⁸)
Chemical manufacturing	325	0.7	0.4	0.2	0.2	0.3
Plastics and rubber products manufacturing	326	1.6	1.0	0.5	0.6	0.6
Nonmetallic mineral product manufacturing	327	0.8	0.5	0.3	0.2	0.3
Primary metal manufacturing	331	1.4	0.8	0.4	0.4	0.6
Fabricated metal product manufacturing	332	4.2	2.0	1.0	1.0	2.2
Machinery manufacturing	333	1.2	0.7	0.3	0.4	0.5
Computer and electronic product manufacturing	334	0.3	0.2	0.1	0.1	0.1
Electrical equipment, appliance, and component manufacturing	335	1.4	0.7	0.3	0.3	0.7
Transportation equipment manufacturing	336	1.6	0.9	0.4	0.5	0.7
Furniture and related product manufacturing	337	0.7	0.5	0.2	0.3	0.2
Miscellaneous manufacturing	339	0.8	0.4	0.3	0.1	0.4
Service-providing		104.1	54.0	29.8	24.2	50.1
Trade, transportation, and utilities⁷		33.1	21.2	11.3	9.9	11.9
Wholesale trade		5.3	3.6	2.1	1.4	1.7
Merchant wholesalers, durable goods	423	2.9	1.7	1.2	0.5	1.2
Merchant wholesalers, nondurable goods	424	2.1	1.7	0.7	1.0	0.5
Wholesale electronic markets and agents and brokers	425	0.3	0.2	0.2	(⁸)	0.1

See footnotes at end of table.

Table 2. Numbers of nonfatal occupational injuries and illnesses by selected industries and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
Retail trade		16.7	9.8	4.9	4.9	6.9
Motor vehicle and parts dealers	441	2.8	1.9	1.2	0.7	0.9
Electronics and appliance stores	443	0.1	(⁸)	(⁸)	--	--
Building material and garden equipment and supplies dealers	444	1.9	1.2	0.5	0.7	0.7
Food and beverage stores	445	3.7	2.3	1.2	1.1	1.4
Health and personal care stores	446	--	0.2	--	0.2	--
Gasoline stations	447	1.3	0.7	0.2	--	0.6
Sporting goods, hobby, book, and music stores	451	0.4	0.1	--	0.1	0.3
General merchandise stores	452	3.7	2.1	0.8	1.2	1.6
Miscellaneous store retailers	453	0.9	0.4	0.2	0.2	--
Nonstore retailers	454	0.4	0.3	0.1	0.1	0.1
Transportation and warehousing⁷		10.8	7.6	4.2	3.5	3.1
Air transportation	481	0.8	0.6	0.4	0.2	0.2
Truck transportation	484	3.0	2.1	1.4	0.7	0.9
Transit and ground passenger transportation	485	0.6	0.4	0.3	0.1	0.2
Support activities for transportation	488	0.3	0.2	0.2	(⁸)	0.1
Couriers and messengers	492	1.1	0.9	0.4	0.4	0.3
Warehousing and storage	493	4.4	3.3	1.2	2.0	1.1
Utilities		0.3	0.2	0.1	0.1	0.1
Utilities	221	0.3	0.2	0.1	0.1	0.1
Information		1.2	0.5	0.4	0.2	0.6
Information		1.2	0.5	0.4	0.2	0.6

See footnotes at end of table.

Table 2. Numbers of nonfatal occupational injuries and illnesses by selected industries and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
Publishing industries (except internet)	511	0.2	0.1	0.1	(⁸)	0.1
Broadcasting (except internet)	515	0.1	(⁸)	(⁸)	(⁸)	--
Telecommunications	517	0.7	0.4	0.3	0.2	0.3
Other information services	519	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Finance, insurance, and real estate		4.1	2.3	2.2	0.1	1.8
Finance and insurance		1.7	0.9	0.8	(⁸)	0.8
Credit intermediation and related activities	522	0.7	--	--	(⁸)	0.3
Insurance carriers and related activities	524	0.6	0.2	0.1	(⁸)	0.5
Real estate and rental and leasing		2.4	1.4	1.4	0.1	--
Real estate	531	1.2	1.1	1.1	(⁸)	--
Professional and business services		8.9	4.2	2.6	1.6	4.7
Professional, scientific, and technical services		2.6	0.6	0.3	0.3	2.1
Professional, scientific, and technical services	541	2.6	0.6	0.3	0.3	2.1
Management of companies and enterprises		0.6	0.2	0.2	0.1	0.4
Administrative and support and waste management and remediation services		5.7	3.4	2.1	1.3	2.2
Waste management and remediation services	562	0.8	0.5	0.3	0.2	0.3

See footnotes at end of table.

Table 2. Numbers of nonfatal occupational injuries and illnesses by selected industries and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
Educational and health services		40.4	18.9	9.0	9.9	21.5
Educational services		2.5	0.9	0.6	0.3	1.6
Educational services	611	2.5	0.9	0.6	0.3	1.6
Health care and social assistance		38.0	18.1	8.4	9.7	19.9
Ambulatory health care services	621	8.5	2.8	1.7	1.1	5.7
Hospitals	622	12.7	5.3	2.6	2.7	7.4
Nursing and residential care facilities	623	12.7	8.3	2.9	5.4	4.4
Social assistance	624	4.0	1.6	1.1	0.4	2.5
Leisure, entertainment, and hospitality		13.3	5.3	3.2	2.1	8.0
Arts, entertainment, and recreation		2.7	1.7	0.4	--	0.9
Museums, historical sites, and similar institutions	712	0.2	0.1	(⁸)	(⁸)	0.1
Amusement, gambling, and recreation industries	713	1.2	0.6	0.3	0.3	0.6
Accommodation and food services		10.6	3.6	2.8	0.8	7.1
Accommodation	721	2.0	0.9	0.5	0.4	1.1
Food services and drinking places	722	8.7	2.7	2.3	0.4	6.0
Other services (except public administration)		3.1	1.5	1.2	0.3	1.6
Other services (except public administration)		3.1	1.5	1.2	0.3	1.6
Repair and maintenance	811	1.5	0.6	--	0.1	0.9

See footnotes at end of table.

Table 2. Numbers of nonfatal occupational injuries and illnesses by selected industries and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
Religious, grantmaking, civic, professional, and similar organizations	813	0.6	0.2	0.1	--	0.4
State and local government⁴		--	--	--	--	--
State government⁴		--	--	--	--	--
Local government⁴		--	--	--	--	--
Service-providing		--	--	--	--	--
Trade, transportation, and utilities⁷		0.9	0.4	0.2	0.2	--
Utilities		--	--	--	--	--

Table 2. Numbers of nonfatal occupational injuries and illnesses by selected industries and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	

¹ Totals include data for industries not shown separately.

² *North American Industry Classification System* -- United States, 2012.

³ Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

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 OSHA 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.

NOTE: Because of rounding, components may not add to totals. Dash indicates data 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, October 31, 2017

Table 3. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry sector and employment size, Pennsylvania, 2016

Industry sector ²	All establishments	Establishment employment size (workers)				
		1 to 10	11 to 49	50 to 249	250 to 999	1,000 or more
All industries including state and local government³	3.3	1.7	3.2	3.9	3.4	3.5
Private industry³	3.3	1.7	3.3	4.0	3.4	3.5
Goods-producing³	4.1	--	4.8	4.3	3.6	3.2
Natural resources and mining^{3,4}	3.3	--	2.0	3.8	5.9	--
Agriculture, forestry, fishing and hunting³	5.0	--	3.3	5.6	10.0	--
Mining, quarrying, and oil and gas extraction⁴	2.0	--	1.4	1.1	3.7	--
Construction	4.4	--	6.0	4.1	2.4	--
Manufacturing	4.0	--	4.6	4.4	3.6	3.1
Service-providing	3.2	1.5	2.9	4.0	3.3	3.6
Trade, transportation, and utilities⁵	3.6	--	3.4	4.3	4.7	4.1
Wholesale trade	2.5	--	3.3	3.4	3.6	--
Retail trade	3.6	--	3.4	4.3	4.5	--
Transportation and warehousing⁵	4.9	--	3.9	5.4	5.8	5.5
Utilities	1.4	--	--	2.0	--	--
Information	1.6	--	--	1.8	2.2	--
Finance, insurance, and real estate	1.4	3.0	--	1.2	0.9	0.4
Finance and insurance	0.7	--	--	1.0	0.8	0.4
Real estate and rental and leasing	4.3	8.6	--	--	--	--
Professional and business services	1.3	--	1.6	1.7	1.2	0.6
Professional, scientific, and technical services	0.8	--	1.9	0.6	0.8	0.6
Management of companies and enterprises	0.5	--	--	--	0.7	0.3
Administrative and support and waste management and remediation services	2.2	--	1.6	3.8	1.8	1.9
Educational and health services	4.7	--	3.6	5.6	5.4	4.6
Educational services	2.0	--	2.3	2.4	2.3	1.6
Health care and social assistance	5.1	--	3.7	6.1	5.9	5.6
Leisure, entertainment, and hospitality	4.3	--	3.8	5.2	6.0	4.4
Arts, entertainment, and recreation	6.3	--	--	4.1	6.7	4.6
Accommodation and food services	3.9	--	3.2	5.4	5.3	4.2
Other services (except public administration)	2.3	--	--	3.9	3.2	--
Other services (except public administration)	2.3	--	--	3.9	3.2	--

Table 3. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry sector and employment size, Pennsylvania, 2016

Industry sector ²	All establishments	Establishment employment size (workers)				
		1 to 10	11 to 49	50 to 249	250 to 999	1,000 or more
State and local government³	--	--	--	--	--	--
State government³	--	--	--	--	--	--
Local government³	--	--	--	--	--	--

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

N = number of injuries and illnesses

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

³ Excludes farms with fewer than 11 employees.

⁴ 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 OSHA made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

⁵ Data for employers in railroad transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

⁶ Data too small to be displayed.

NOTE: Because of rounding, components may not add to totals. Dash indicates data 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, October 31, 2017

Table 4. Incidence rates¹ and numbers of nonfatal occupational injuries by selected industries, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rates ¹	Numbers (in thousands)
All industries including state and local government⁴		3.2	145.0
Private industry⁴		3.2	132.5
Goods-producing⁴		3.9	32.0
Natural resources and mining^{4,5}		3.3	1.7
Agriculture, forestry, fishing and hunting⁴		4.9	1.1
Crop production ⁴	111	6.0	0.8
Animal production and aquaculture ⁴	112	4.1	0.2
Mining, quarrying, and oil and gas extraction⁵		2.0	0.6
Oil and gas extraction	211	0.3	⁽⁸⁾
Mining (except oil and gas) ⁶	212	3.2	0.3
Support activities for mining	213	1.7	0.2
Construction		4.2	9.2
Construction		4.2	9.2
Construction of buildings	236	4.9	2.5
Heavy and civil engineering construction	237	2.4	0.8
Specialty trade contractors	238	4.4	5.9
Manufacturing		3.8	21.1
Manufacturing		3.8	21.1

See footnotes at end of table.

Table 4. Incidence rates¹ and numbers of nonfatal occupational injuries by selected industries, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rates ¹	Numbers (in thousands)
Food manufacturing	311	4.8	3.3
Beverage and tobacco product manufacturing	312	2.9	0.2
Textile mills	313	6.0	0.2
Wood product manufacturing	321	6.9	1.6
Paper manufacturing	322	3.1	0.8
Printing and related support activities	323	3.3	0.8
Petroleum and coal products manufacturing	324	1.8	0.1
Chemical manufacturing	325	1.6	0.6
Plastics and rubber products manufacturing	326	4.0	1.6
Nonmetallic mineral product manufacturing	327	3.8	0.8
Primary metal manufacturing	331	3.6	1.3
Fabricated metal product manufacturing	332	5.1	4.1
Machinery manufacturing	333	2.7	1.2
Computer and electronic product manufacturing	334	0.9	0.3
Electrical equipment, appliance, and component manufacturing	335	5.1	1.3
Transportation equipment manufacturing	336	4.0	1.5
Furniture and related product manufacturing	337	3.7	0.6
Miscellaneous manufacturing	339	2.9	0.7
Service-providing		3.0	100.5
Trade, transportation, and utilities⁷		3.5	32.1
Wholesale trade		2.4	5.0
Merchant wholesalers, durable goods	423	2.6	2.8
Merchant wholesalers, nondurable goods	424	3.5	2.1
Wholesale electronic markets and agents and brokers	425	0.3	0.1
Retail trade		3.6	16.3

See footnotes at end of table.

Table 4. Incidence rates¹ and numbers of nonfatal occupational injuries by selected industries, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rates ¹	Numbers (in thousands)
Motor vehicle and parts dealers	441	3.8	2.8
Electronics and appliance stores	443	0.5	0.1
Building material and garden equipment and supplies dealers	444	5.1	1.9
Food and beverage stores	445	3.8	3.7
Gasoline stations	447	3.9	1.2
Sporting goods, hobby, book, and music stores	451	2.7	0.4
General merchandise stores	452	4.5	3.5
Miscellaneous store retailers	453	3.9	0.8
Nonstore retailers	454	1.4	0.4
Transportation and warehousing⁷		4.8	10.5
Air transportation	481	8.8	0.8
Truck transportation	484	4.3	3.0
Transit and ground passenger transportation	485	3.0	0.6
Support activities for transportation	488	2.0	0.3
Couriers and messengers	492	5.8	1.1
Warehousing and storage	493	6.0	4.3
Utilities		1.4	0.3
Utilities	221	1.4	0.3
Information		1.6	1.2
Information		1.6	1.2
Publishing industries (except internet)	511	1.1	0.2
Broadcasting (except internet)	515	1.3	0.1
Telecommunications	517	2.7	0.7
Other information services	519	--	(⁸)

See footnotes at end of table.

Table 4. Incidence rates¹ and numbers of nonfatal occupational injuries by selected industries, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rates ¹	Numbers (in thousands)
Finance, insurance, and real estate		1.4	4.0
Finance and insurance		0.7	1.6
Credit intermediation and related activities	522	0.8	0.7
Insurance carriers and related activities	524	0.5	0.6
Real estate and rental and leasing		4.3	2.4
Real estate	531	3.3	1.1
Professional and business services		1.2	8.5
Professional, scientific, and technical services		0.8	2.5
Professional, scientific, and technical services	541	0.8	2.5
Management of companies and enterprises		0.5	0.6
Administrative and support and waste management and remediation services		2.1	5.4
Waste management and remediation services	562	4.2	0.8
Educational and health services		4.5	38.8
Educational services		1.8	2.3
Educational services	611	1.8	2.3

See footnotes at end of table.

Table 4. Incidence rates¹ and numbers of nonfatal occupational injuries by selected industries, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rates ¹	Numbers (in thousands)
Health care and social assistance		4.9	36.5
Ambulatory health care services	621	3.3	8.2
Hospitals	622	5.7	12.2
Nursing and residential care facilities	623	7.7	12.3
Social assistance	624	3.1	3.8
Leisure, entertainment, and hospitality		4.1	12.9
Arts, entertainment, and recreation		6.0	2.6
Museums, historical sites, and similar institutions	712	4.0	0.2
Amusement, gambling, and recreation industries	713	3.8	1.1
Accommodation and food services		3.8	10.3
Accommodation	721	4.2	1.9
Food services and drinking places	722	3.8	8.4
Other services (except public administration)		2.2	3.1
Other services (except public administration)		2.2	3.1
Repair and maintenance	811	3.0	1.5
Religious, grantmaking, civic, professional, and similar organizations	813	1.5	0.6
State and local government⁴		--	--
State government⁴		--	--

Table 4. Incidence rates¹ and numbers of nonfatal occupational injuries by selected industries, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rates ¹	Numbers (in thousands)
Local government⁴		--	--
Service-providing		--	--
Trade, transportation, and utilities⁷		4.5	0.9
Utilities		--	--

Table 4. Incidence rates¹ and numbers of nonfatal occupational injuries by selected industries, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rates ¹	Numbers (in thousands)
<p>¹ 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).</p> <p>² Totals include data for industries not shown separately.</p> <p>³ <i>North American Industry Classification System</i> -- United States, 2012.</p> <p>⁴ Excludes farms with fewer than 11 employees.</p> <p>⁵ Data for mining (Sector 21 in the <i>North American Industry Classification System</i>, 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.</p> <p>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.</p> <p>⁷ Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.</p> <p>⁸ Data too small to be displayed.</p> <p>NOTE: Because of rounding, components may not add to totals. Dash indicates data do not meet publication guidelines.</p> <p>SOURCE: U.S. Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating state agencies, October 31, 2017</p>			

Table 5. Incidence rates¹ and numbers of nonfatal occupational illnesses by industry sector and category of illness, Pennsylvania, 2016

Industry sector ²	Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses	Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
	Incidence rates per 10,000 full-time workers ¹						Numbers of illnesses in thousands					
All industries including state and local government³	13.0	2.5	0.8	0.1	1.8	7.7	5.9	1.2	0.4	0.1	0.8	3.5
Private industry³	13.3	2.1	0.8	0.1	2.0	8.3	5.5	0.9	0.3	0.1	0.8	3.4
Goods-producing³	21.7	3.5	0.4	--	7.4	9.9	1.8	0.3	(⁶)	--	0.6	0.8
Natural resources and mining^{3,4}	6.6	--	--	--	--	3.3	(⁶)	(⁶)	(⁶)	--	(⁶)	(⁶)
Agriculture, forestry, fishing and hunting³	8.7	--	--	--	--	--	(⁶)	(⁶)	(⁶)	--	(⁶)	(⁶)
Mining, quarrying, and oil and gas extraction⁴	--	--	--	--	--	--	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)
Construction	17.3	--	--	--	--	5.4	0.4	--	(⁶)	--	--	0.1
Manufacturing	24.8	2.0	0.5	--	10.1	12.3	1.4	0.1	(⁶)	(⁶)	0.6	0.7
Service-providing	11.2	1.7	1.0	--	0.6	7.9	3.7	0.6	(⁶)	(⁶)	0.2	2.6
Trade, transportation, and utilities⁵	10.9	1.5	0.7	--	1.3	7.5	1.0	0.1	0.1	(⁶)	0.1	0.7
Wholesale trade	12.6	--	--	--	--	12.1	0.3	(⁶)	(⁶)	(⁶)	(⁶)	0.3
Retail trade	9.3	2.6	1.0	--	--	5.7	0.4	0.1	(⁶)	(⁶)	(⁶)	0.3
Transportation and warehousing⁵	13.9	--	0.8	--	5.2	7.5	0.3	(⁶)	(⁶)	(⁶)	0.1	0.2
Utilities	--	--	--	--	--	--	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)
Information	--	--	--	--	--	--	--	--	(⁶)	(⁶)	--	(⁶)
Finance, insurance, and real estate	3.3	--	--	--	--	1.6	0.1	--	--	(⁶)	(⁶)	(⁶)
Finance and insurance	3.5	--	--	--	--	2.0	0.1	--	--	(⁶)	(⁶)	(⁶)
Real estate and rental and leasing	--	--	--	--	--	--	--	--	(⁶)	(⁶)	(⁶)	(⁶)
Professional and business services	6.4	0.7	0.3	--	--	4.4	0.4	(⁶)	(⁶)	(⁶)	--	0.3
Professional, scientific, and technical services	4.5	--	--	--	--	4.2	0.1	(⁶)	--	(⁶)	(⁶)	0.1
Management of companies and enterprises	2.5	--	--	--	--	--	(⁶)	(⁶)	--	(⁶)	(⁶)	--
Administrative and support and waste management and remediation services	10.5	1.6	--	--	--	6.0	0.3	(⁶)	(⁶)	(⁶)	--	0.2
Educational and health services	18.9	2.8	1.8	--	--	14.2	1.6	0.2	0.2	(⁶)	(⁶)	1.2
Educational services	11.5	--	--	--	--	5.9	0.1	(⁶)	--	(⁶)	(⁶)	0.1
Health care and social assistance	20.2	3.1	1.5	--	--	15.6	1.5	0.2	0.1	(⁶)	(⁶)	1.2
Leisure, entertainment, and hospitality	13.5	3.7	1.2	--	--	8.6	0.4	0.1	(⁶)	(⁶)	(⁶)	0.3
Arts, entertainment, and recreation	22.0	6.0	--	--	--	15.4	0.1	(⁶)	(⁶)	(⁶)	(⁶)	0.1
Accommodation and food services	12.2	3.3	1.4	--	--	7.5	0.3	0.1	(⁶)	(⁶)	(⁶)	0.2
Other services (except public administration)	5.7	--	--	--	--	4.0	0.1	--	(⁶)	(⁶)	--	0.1
Other services (except public administration)	5.7	--	--	--	--	4.0	0.1	--	(⁶)	(⁶)	--	0.1
State and local government³	--	--	--	--	--	--	--	--	--	--	--	--
State government³	--	--	--	--	--	--	--	--	--	--	--	--
Local government³	--	--	--	--	--	--	--	--	--	--	--	--

Table 5. Incidence rates¹ and numbers of nonfatal occupational illnesses by industry sector and category of illness, Pennsylvania, 2016

Industry sector ²	Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses	Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses

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

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

² *North American Industry Classification System* -- United States, 2012.

³ Excludes farms with fewer than 11 employees.

⁴ Data for mining (Sector 21 in the *North American Industry Classification System Manual*, 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 OSHA made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

⁵ Data for employers in railroad transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

⁶ Data too small to be displayed.

NOTE: Because of rounding, components may not add to totals. Dash indicates data 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, October 31, 2017

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case type, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
All industries including state and local government⁵		3.3	1.8	1.0	0.8	1.5
Private industry⁵		3.3	1.8	1.0	0.8	1.6
Goods-producing⁵		4.1	2.3	1.2	1.0	1.8
Natural resources and mining^{5,6}		3.3	1.7	1.0	0.7	1.6
Agriculture, forestry, fishing and hunting⁵		5.0	2.6	1.4	1.3	2.4
Crop production ⁵	111	6.1	3.7	2.0	1.6	2.5
Greenhouse, nursery, and floriculture production ⁵	1114	5.6	3.4	1.9	1.5	2.2
Food crops grown under cover ⁵	11141	5.8	3.7	2.0	1.7	2.1
Mushroom production ⁵	111411	6.0	3.8	2.0	1.8	2.1
Other food crops grown under cover ⁵	111419	--	--	--	--	--
Animal production and aquaculture ⁵	112	4.1	1.3	--	1.1	2.8
Mining, quarrying, and oil and gas extraction⁶		2.0	1.0	0.8	0.2	1.0
Oil and gas extraction	211	0.3	--	--	--	--
Oil and gas extraction	2111	0.3	--	--	--	--
Oil and gas extraction	21111	0.3	--	--	--	--
Crude petroleum and natural gas extraction	211111	--	--	--	--	--
Mining (except oil and gas) ⁷	212	3.3	2.4	2.0	0.4	1.0
Coal mining ⁷	2121	4.2	3.1	3.0	--	1.1
Coal mining ⁷	21211	4.2	3.1	3.0	--	1.1
Bituminous coal and lignite surface mining ⁷	212111	--	--	--	--	--
Bituminous coal underground mining ⁷	212112	4.8	3.5	3.4	--	1.3
Anthracite mining ⁷	212113	4.6	3.5	3.1	--	--

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case type, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
Nonmetallic mineral mining and quarrying ⁷	2123	2.4	1.6	1.0	0.6	0.8
Support activities for mining	213	1.7	0.2	0.1	--	--
Support activities for mining	2131	1.7	0.2	0.1	--	--
Support activities for mining	21311	1.7	0.2	0.1	--	--
Drilling oil and gas wells	213111	--	--	--	--	--
Support activities for oil and gas operations	213112	1.9	0.2	0.2	--	--
Construction		4.4	2.2	1.7	0.5	2.2
Construction		4.4	2.2	1.7	0.5	2.2
Construction of buildings	236	4.9	2.5	2.1	0.4	2.5
Nonresidential building construction	2362	5.0	2.6	2.0	0.6	2.4
Heavy and civil engineering construction	237	2.6	1.3	0.8	0.5	1.4
Utility system construction	2371	2.6	1.3	0.6	--	1.3
Water and sewer line and related structures construction	23711	4.9	2.6	1.2	--	2.3
Highway, street, and bridge construction	2373	2.6	1.2	1.0	0.2	1.4
Specialty trade contractors	238	4.6	2.3	1.7	0.6	2.3
Foundation, structure, and building exterior contractors	2381	6.9	2.7	2.4	0.3	4.2
Poured concrete foundation and structure contractors	23811	7.8	4.3	4.3	--	3.5
Masonry contractors	23814	--	4.1	--	--	--
Roofing contractors	23816	5.5	2.1	1.7	0.3	--
Building equipment contractors	2382	4.5	2.5	1.9	0.6	2.0
Electrical contractors and other wiring installation contractors	23821	2.9	1.9	1.5	0.3	1.1
Plumbing, heating, and air-conditioning contractors	23822	6.1	3.3	2.3	0.9	2.8
Building finishing contractors	2383	4.8	2.1	1.6	0.5	2.7
Other specialty trade contractors	2389	2.6	1.5	0.8	--	1.0
Site preparation contractors	23891	2.7	1.3	--	--	1.4
All other specialty trade contractors	23899	2.4	1.9	--	--	--

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case type, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
Manufacturing		4.0	2.3	1.1	1.3	1.7
Manufacturing		4.0	2.3	1.1	1.3	1.7
Food manufacturing	311	5.4	3.9	1.3	2.6	1.6
Sugar and confectionery product manufacturing	3113	4.9	4.1	1.1	3.0	0.9
Chocolate and confectionery manufacturing	31135	5.3	4.5	1.1	3.4	0.8
Fruit and vegetable preserving and specialty food manufacturing	3114	8.0	4.2	1.4	2.7	3.8
Dairy product manufacturing	3115	5.8	4.3	2.0	2.3	1.4
Animal slaughtering and processing	3116	8.0	5.8	1.7	4.1	2.2
Animal slaughtering and processing	31161	8.0	5.8	1.7	4.1	2.2
Animal (except poultry) slaughtering	311611	9.0	5.9	1.0	4.8	3.2
Meat processed from carcasses	311612	5.2	3.9	1.9	2.0	1.3
Poultry processing	311615	10.6	8.4	2.2	6.2	2.3
Bakeries and tortilla manufacturing	3118	3.4	3.0	1.1	1.9	0.4
Other food manufacturing	3119	3.6	2.4	0.6	1.8	1.2
Snack food manufacturing	31191	5.2	3.4	0.9	2.5	1.8
Beverage and tobacco product manufacturing	312	3.3	1.2	0.4	0.8	2.1
Beverage manufacturing	3121	3.3	1.1	0.4	0.7	2.2
Tobacco manufacturing	3122	2.9	--	--	--	--
Textile mills	313	6.0	4.5	--	1.5	1.6
Wood product manufacturing	321	7.0	4.5	2.3	2.2	2.5
Sawmills and wood preservation	3211	5.1	2.5	1.5	1.0	2.6
Veneer, plywood, and engineered wood product manufacturing	3212	5.2	2.7	1.9	--	2.5
Other wood product manufacturing	3219	7.9	5.4	2.6	2.9	2.5
Paper manufacturing	322	3.2	1.9	0.9	1.0	1.3
Pulp, paper, and paperboard mills	3221	2.8	1.1	0.8	--	1.6
Converted paper product manufacturing	3222	3.3	2.1	0.9	1.1	1.2
Printing and related support activities	323	3.6	1.5	0.6	0.9	2.1
Petroleum and coal products manufacturing	324	1.9	1.6	1.1	0.5	0.3

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case type, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
Petroleum and coal products manufacturing	3241	1.9	1.6	1.1	0.5	0.3
Chemical manufacturing	325	1.7	0.9	0.4	0.6	0.8
Basic chemical manufacturing	3251	2.5	1.0	0.8	--	1.5
Pharmaceutical and medicine manufacturing	3254	1.1	0.6	0.1	0.4	0.5
Pharmaceutical and medicine manufacturing	32541	1.1	0.6	0.1	0.4	0.5
Pharmaceutical preparation manufacturing	325412	0.9	0.5	0.1	0.4	0.3
Plastics and rubber products manufacturing	326	4.1	2.6	1.2	1.5	1.5
Plastics product manufacturing	3261	4.2	2.6	1.2	1.4	1.5
Rubber product manufacturing	3262	4.0	2.5	0.7	1.8	1.5
Nonmetallic mineral product manufacturing	327	4.0	2.5	1.6	0.9	1.4
Glass and glass product manufacturing	3272	5.3	3.1	1.8	1.3	2.3
Cement and concrete product manufacturing	3273	4.8	3.3	2.3	1.0	1.4
Primary metal manufacturing	331	3.8	2.2	1.1	1.1	1.6
Iron and steel mills and ferroalloy manufacturing	3311	2.6	1.5	0.8	0.6	1.1
Steel product manufacturing from purchased steel	3312	6.1	3.8	1.5	2.3	2.2
Rolling and drawing of purchased steel	33122	7.5	5.2	2.5	2.7	2.3
Alumina and aluminum production and processing	3313	2.1	1.1	0.5	0.6	1.0
Nonferrous metal (except aluminum) production and processing	3314	2.7	1.7	0.7	0.9	1.0
Foundries	3315	5.3	3.0	1.7	1.3	2.4
Fabricated metal product manufacturing	332	5.3	2.5	1.3	1.2	2.8
Forging and stamping	3321	5.6	3.0	1.6	1.4	2.6
Forging and stamping	33211	5.6	3.0	1.6	1.4	2.6
Powder metallurgy part manufacturing	332117	3.5	2.2	1.5	0.7	1.3
Architectural and structural metals manufacturing	3323	7.6	3.7	1.6	2.1	3.8
Plate work and fabricated structural product manufacturing	33231	9.1	3.8	1.8	--	5.4
Ornamental and architectural metal products manufacturing	33232	6.4	3.7	1.5	2.3	2.6
Sheet metal work manufacturing	332322	4.9	2.7	1.5	--	2.2
Boiler, tank, and shipping container manufacturing	3324	6.6	4.5	1.7	2.8	2.0
Machine shops; turned product; and screw, nut, and bolt manufacturing	3327	5.1	1.5	0.8	0.6	3.7

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case type, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
Machine shops	33271	6.1	1.7	0.9	0.7	--
Turned product and screw, nut, and bolt manufacturing	33272	2.1	0.8	0.4	0.4	1.3
Coating, engraving, heat treating, and allied activities	3328	2.5	0.9	--	0.4	1.6
Machinery manufacturing	333	2.8	1.6	0.8	0.8	1.2
Agriculture, construction, and mining machinery manufacturing	3331	3.0	1.8	0.5	1.3	1.2
Mining and oil and gas field machinery manufacturing	33313	2.1	1.1	--	0.6	1.0
Industrial machinery manufacturing	3332	1.8	1.8	1.4	--	--
Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	3334	3.0	2.1	0.8	1.3	1.0
Metalworking machinery manufacturing	3335	2.1	0.7	0.5	0.2	1.4
Metalworking machinery manufacturing	33351	2.1	0.7	0.5	0.2	1.4
Special die and tool, die set, jig, and fixture manufacturing	333514	1.3	0.6	0.4	--	0.6
Engine, turbine, and power transmission equipment manufacturing	3336	3.3	1.6	0.8	0.9	1.7
Other general purpose machinery manufacturing	3339	3.5	1.8	0.8	1.0	1.7
Computer and electronic product manufacturing	334	1.1	0.7	0.2	0.4	0.4
Communications equipment manufacturing	3342	1.9	1.2	--	0.8	0.8
Semiconductor and other electronic component manufacturing	3344	1.1	0.8	0.3	0.5	0.2
Navigational, measuring, electromedical, and control instruments manufacturing	3345	1.0	0.5	0.1	0.4	0.5
Electrical equipment, appliance, and component manufacturing	335	5.3	2.6	1.3	1.3	2.8
Electrical equipment manufacturing	3353	8.6	3.8	2.1	1.7	--
Transportation equipment manufacturing	336	4.3	2.4	1.1	1.3	2.0
Motor vehicle body and trailer manufacturing	3362	8.6	4.5	2.4	2.1	4.2
Motor vehicle parts manufacturing	3363	4.7	2.7	0.6	2.1	2.0
Aerospace product and parts manufacturing	3364	2.8	1.4	0.5	0.9	1.4
Railroad rolling stock manufacturing	3365	2.1	0.7	0.7	--	1.3
Furniture and related product manufacturing	337	4.2	3.1	1.4	1.7	1.1
Household and institutional furniture and kitchen cabinet manufacturing	3371	4.4	3.2	1.0	2.2	1.2
Office furniture (including fixtures) manufacturing	3372	3.7	2.6	2.0	0.6	1.2

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case type, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
Other furniture related product manufacturing	3379	4.6	4.5	2.0	2.4	--
Miscellaneous manufacturing	339	3.2	1.6	1.0	0.5	1.7
Medical equipment and supplies manufacturing	3391	2.1	1.2	0.6	0.6	1.0
Other miscellaneous manufacturing	3399	4.4	2.0	1.5	0.5	2.5
Service-providing		3.2	1.6	0.9	0.7	1.5
Trade, transportation, and utilities⁸		3.6	2.3	1.2	1.1	1.3
Wholesale trade		2.5	1.7	1.0	0.7	0.8
Merchant wholesalers, durable goods	423	2.7	1.6	1.1	0.4	1.1
Motor vehicle and motor vehicle parts and supplies merchant wholesalers	4231	3.6	1.9	1.8	--	1.7
Lumber and other construction materials merchant wholesalers	4233	2.9	1.5	0.7	0.8	1.3
Household appliances and electrical and electronic goods merchant wholesalers	4236	1.8	1.4	1.3	--	--
Hardware, and plumbing and heating equipment and supplies merchant wholesalers	4237	0.2	--	--	--	0.2
Machinery, equipment, and supplies merchant wholesalers	4238	4.0	2.4	1.7	0.7	1.6
Industrial machinery and equipment merchant wholesalers	42383	3.9	2.4	1.7	0.6	1.5
Miscellaneous durable goods merchant wholesalers	4239	3.5	1.6	0.8	--	1.8
Recyclable material merchant wholesalers	42393	4.7	1.3	1.3	--	3.4
Merchant wholesalers, nondurable goods	424	3.5	2.8	1.2	1.6	0.8
Grocery and related product merchant wholesalers	4244	5.7	4.4	1.6	2.7	1.3
Petroleum and petroleum products merchant wholesalers	4247	--	--	--	--	--
Beer, wine, and distilled alcoholic beverage merchant wholesalers	4248	10.4	8.9	3.9	5.0	1.5
Wholesale electronic markets and agents and brokers	425	0.6	0.4	0.4	--	0.1
Retail trade		3.6	2.1	1.1	1.1	1.5

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case type, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
Motor vehicle and parts dealers	441	3.8	2.7	1.6	1.0	1.2
Electronics and appliance stores	443	0.5	0.4	0.2	--	--
Building material and garden equipment and supplies dealers	444	5.1	3.2	1.4	1.8	2.0
Building material and supplies dealers	4441	5.4	3.5	1.6	1.9	1.9
Food and beverage stores	445	3.9	2.4	1.2	1.2	1.5
Health and personal care stores	446	--	0.5	--	0.5	--
Gasoline stations	447	4.1	2.3	0.8	--	1.8
Sporting goods, hobby, book, and music stores	451	2.7	1.0	--	0.4	1.8
General merchandise stores	452	4.8	2.7	1.1	1.6	2.1
Department stores	4521	3.8	2.1	1.1	1.0	1.7
Other general merchandise stores	4529	5.4	3.0	1.0	2.0	2.4
Miscellaneous store retailers	453	4.3	1.8	0.8	0.9	--
Nonstore retailers	454	1.4	1.0	0.5	0.5	0.4
Transportation and warehousing⁸		4.9	3.5	1.9	1.6	1.4
Air transportation	481	9.3	7.2	4.8	2.4	2.1
Truck transportation	484	4.3	3.0	2.0	1.0	1.3
General freight trucking	4841	4.3	2.9	2.1	0.8	1.4
General freight trucking, local	48411	4.3	3.6	3.4	--	0.7
General freight trucking, long-distance	48412	4.3	2.7	1.7	1.0	1.6
Specialized freight trucking	4842	4.5	3.3	1.8	1.5	1.2
Specialized freight (except used goods) trucking, local	48422	4.1	3.1	1.8	1.2	1.1
Specialized freight (except used goods) trucking, long-distance	48423	1.1	0.8	0.6	--	--
Transit and ground passenger transportation	485	3.1	1.8	1.4	0.4	1.3
School and employee bus transportation	4854	3.6	1.8	1.5	0.3	1.7
Support activities for transportation	488	2.0	1.5	1.3	0.2	0.5
Couriers and messengers	492	6.2	4.7	2.3	2.4	1.5
Warehousing and storage	493	6.1	4.6	1.7	2.8	1.5

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case type, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
Utilities		1.4	0.8	0.5	0.3	0.6
Utilities	221	1.4	0.8	0.5	0.3	0.6
Electric power generation, transmission and distribution	2211	0.7	0.3	0.1	0.2	0.4
Electric power generation	22111	0.7	0.4	--	--	0.4
Fossil fuel electric power generation	221112	1.4	0.7	--	0.7	0.7
Electric power transmission, control, and distribution	22112	0.7	0.3	0.2	--	--
Natural gas distribution	2212	2.2	2.2	1.1	1.1	--
Water, sewage and other systems	2213	5.6	2.4	2.4	--	3.2
Information		1.6	0.7	0.5	0.3	0.9
Information		1.6	0.7	0.5	0.3	0.9
Publishing industries (except internet)	511	1.1	0.4	0.3	0.1	0.8
Newspaper, periodical, book, and directory publishers	5111	1.6	0.5	0.4	--	1.1
Broadcasting (except internet)	515	1.3	0.4	0.4	--	--
Telecommunications	517	2.7	1.6	1.0	0.6	1.1
Other information services	519	--	--	--	--	--
Finance, insurance, and real estate		1.4	0.8	0.8	(⁹)	0.6
Finance and insurance		0.7	0.4	0.4	(⁹)	0.3
Credit intermediation and related activities	522	0.9	--	--	--	0.3
Insurance carriers and related activities	524	0.5	0.1	0.1	(⁹)	0.4
Real estate and rental and leasing		4.3	2.6	2.5	0.1	--
Real estate	531	3.3	3.1	3.1	--	--

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case type, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
Lessors of real estate	5311	7.0	7.0	7.0	--	--
Professional and business services		1.3	0.6	0.4	0.2	0.7
Professional, scientific, and technical services		0.8	0.2	0.1	0.1	0.7
Professional, scientific, and technical services	541	0.8	0.2	0.1	0.1	0.7
Legal services	5411	0.4	0.1	0.1	--	--
Architectural, engineering, and related services	5413	0.5	0.2	0.1	0.1	0.4
Testing laboratories	54138	0.8	0.6	--	0.5	0.3
Computer systems design and related services	5415	--	--	--	--	--
Management, scientific, and technical consulting services	5416	0.5	0.2	--	--	0.3
Scientific research and development services	5417	0.6	0.2	0.2	0.1	0.4
Advertising, public relations, and related services	5418	0.5	0.2	--	0.1	0.3
Other professional, scientific, and technical services	5419	7.5	1.0	0.4	0.6	6.4
Veterinary services	54194	15.0	2.0	0.9	1.2	13.0
Management of companies and enterprises		0.5	0.2	0.1	0.1	0.3
Administrative and support and waste management and remediation services		2.2	1.3	0.8	0.5	0.9
Administrative and support services	561	--	--	--	--	--
Business support services	5614	0.4	0.1	0.1	--	0.3
Investigation and security services	5616	1.8	0.4	0.4	--	1.3
Services to buildings and dwellings	5617	3.4	2.4	1.9	0.6	1.0
Janitorial services	56172	2.9	1.7	1.2	0.5	1.2
Landscaping services	56173	3.8	3.3	--	0.7	0.5
Waste management and remediation services	562	4.2	2.7	1.4	1.3	1.6
Waste collection	5621	3.8	2.3	1.4	0.9	1.5

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case type, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
Waste collection	56211	3.8	2.3	1.4	0.9	1.5
Solid waste collection	562111	4.0	2.3	1.3	1.0	1.7
Waste treatment and disposal	5622	8.5	5.4	2.4	3.0	3.1
Remediation and other waste management services	5629	2.0	1.4	--	--	0.6
Educational and health services		4.7	2.2	1.0	1.1	2.5
Educational services		2.0	0.7	0.5	0.2	1.3
Educational services	611	2.0	0.7	0.5	0.2	1.3
Elementary and secondary schools	6111	4.1	0.8	0.8	--	3.2
Colleges, universities, and professional schools	6113	1.7	0.8	0.5	0.3	0.9
Health care and social assistance		5.1	2.4	1.1	1.3	2.7
Ambulatory health care services	621	3.4	1.1	0.7	0.4	2.3
Offices of physicians	6211	2.3	0.4	0.3	--	1.9
Hospitals	622	5.9	2.5	1.2	1.3	3.4
Nursing and residential care facilities	623	8.0	5.2	1.8	3.4	2.8
Nursing care facilities (skilled nursing facilities)	6231	7.6	5.3	1.9	3.4	2.3
Continuing care retirement communities and assisted living facilities for the elderly	6233	7.1	5.1	2.0	3.1	2.0
Social assistance	624	3.4	1.3	0.9	0.4	2.0
Vocational rehabilitation services	6243	3.3	1.1	0.4	0.7	2.2
Child day care services	6244	1.7	0.4	0.4	--	1.2
Leisure, entertainment, and hospitality		4.3	1.7	1.0	0.7	2.6
Arts, entertainment, and recreation		6.3	4.0	1.0	--	2.2

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case type, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
Museums, historical sites, and similar institutions	712	4.1	1.2	0.5	0.7	2.9
Amusement, gambling, and recreation industries	713	4.1	2.1	1.2	1.0	1.9
Amusement parks and arcades	7131	6.6	4.5	1.6	2.8	2.1
Gambling industries	7132	2.9	1.8	0.7	1.1	1.1
Other amusement and recreation industries	7139	3.9	1.6	1.3	0.4	2.3
Accommodation and food services		3.9	1.3	1.0	0.3	2.6
Accommodation	721	4.4	2.0	1.2	0.8	2.4
Food services and drinking places	722	3.9	1.2	1.0	0.2	2.7
Restaurants and other eating places	7225	3.7	0.9	0.8	0.1	2.8
Other services (except public administration)		2.3	1.1	0.9	0.2	1.2
Other services (except public administration)		2.3	1.1	0.9	0.2	1.2
Repair and maintenance	811	3.1	1.3	--	0.3	1.8
Religious, grantmaking, civic, professional, and similar organizations	813	1.6	0.5	0.4	--	1.0
State and local government⁵		--	--	--	--	--
State government⁵		--	--	--	--	--
Local government⁵		--	--	--	--	--
Service-providing		--	--	--	--	--
Trade, transportation, and utilities⁸		4.7	2.3	1.1	1.2	--
Utilities		--	--	--	--	--

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, Pennsylvania, 2016

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ⁴	Cases with job transfer or restriction	
Utilities	221	--	--	--	--	--
Water, sewage and other systems	2213	4.1	1.3	0.7	0.7	--

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

N = number of injuries and illnesses

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

⁵ Excludes farms with fewer than 11 employees.

⁶ 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.

⁷ 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.

⁸ Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

⁹ Data too small to be displayed.

NOTE: Because of rounding, components may not add to totals. Dash indicates data 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, November 08, 2017

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
All industries including state and local government⁴		150.9	80.3	45.0	35.3	70.6
Private industry⁴		138.0	72.7	40.1	32.6	65.2
Goods-producing⁴		33.8	18.7	10.3	8.5	15.1
Natural resources and mining^{4,5}		1.7	0.9	0.5	0.3	0.8
Agriculture, forestry, fishing and hunting⁴		1.1	0.6	0.3	0.3	0.5
Crop production ⁴	111	0.8	0.5	0.3	0.2	0.3
Greenhouse, nursery, and floriculture production ⁴	1114	0.6	0.3	0.2	0.2	0.2
Food crops grown under cover ⁴	11141	0.5	0.3	0.2	0.1	0.2
Mushroom production ⁴	111411	0.5	0.3	0.2	0.1	0.2
Other food crops grown under cover ⁴	111419	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Animal production and aquaculture ⁴	112	0.2	0.1	(⁸)	0.1	0.2
Mining, quarrying, and oil and gas extraction⁵		0.6	0.3	0.2	(⁸)	0.3
Oil and gas extraction	211	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Oil and gas extraction	2111	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Oil and gas extraction	21111	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Crude petroleum and natural gas extraction	211111	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Mining (except oil and gas) ⁶	212	0.3	0.2	0.2	(⁸)	0.1
Coal mining ⁶	2121	0.2	0.2	0.2	(⁸)	0.1
Coal mining ⁶	21211	0.2	0.2	0.2	(⁸)	0.1
Bituminous coal and lignite surface mining ⁶	212111	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Bituminous coal underground mining ⁶	212112	0.2	0.1	0.1	(⁸)	(⁸)
Anthracite mining ⁶	212113	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)

See footnotes at end of table.

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
Nonmetallic mineral mining and quarrying ⁶	2123	0.1	0.1	(⁸)	(⁸)	(⁸)
Support activities for mining	213	0.2	(⁸)	(⁸)	--	--
Support activities for mining	2131	0.2	(⁸)	(⁸)	--	--
Support activities for mining	21311	0.2	(⁸)	(⁸)	--	--
Drilling oil and gas wells	213111	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Support activities for oil and gas operations	213112	0.2	(⁸)	(⁸)	--	--
Construction		9.6	4.8	3.7	1.1	4.8
Construction		9.6	4.8	3.7	1.1	4.8
Construction of buildings	236	2.6	1.3	1.1	0.2	1.3
Nonresidential building construction	2362	1.4	0.7	0.6	0.2	0.7
Heavy and civil engineering construction	237	0.9	0.4	0.3	0.2	0.5
Utility system construction	2371	0.5	0.2	0.1	--	0.2
Water and sewer line and related structures construction	23711	0.3	0.2	0.1	--	0.1
Highway, street, and bridge construction	2373	0.3	0.1	0.1	(⁸)	0.2
Specialty trade contractors	238	6.1	3.1	2.3	0.8	3.1
Foundation, structure, and building exterior contractors	2381	1.6	0.6	0.6	0.1	1.0
Poured concrete foundation and structure contractors	23811	0.4	0.2	0.2	(⁸)	0.2
Masonry contractors	23814	--	0.2	--	--	--
Roofing contractors	23816	0.3	0.1	0.1	(⁸)	--
Building equipment contractors	2382	2.9	1.6	1.2	0.4	1.2
Electrical contractors and other wiring installation contractors	23821	0.8	0.5	0.4	0.1	0.3
Plumbing, heating, and air-conditioning contractors	23822	2.1	1.1	0.8	0.3	1.0
Building finishing contractors	2383	1.0	0.4	0.3	0.1	0.6
Other specialty trade contractors	2389	0.7	0.4	0.2	--	0.3
Site preparation contractors	23891	0.4	0.2	--	--	0.2
All other specialty trade contractors	23899	0.3	0.2	--	--	--

See footnotes at end of table.

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
Manufacturing		22.5	13.1	6.0	7.0	9.4
Manufacturing		22.5	13.1	6.0	7.0	9.4
Food manufacturing	311	3.8	2.7	0.9	1.8	1.1
Sugar and confectionery product manufacturing	3113	0.4	0.4	0.1	0.3	0.1
Chocolate and confectionery manufacturing	31135	0.4	0.3	0.1	0.3	0.1
Fruit and vegetable preserving and specialty food manufacturing	3114	0.6	0.3	0.1	0.2	0.3
Dairy product manufacturing	3115	0.4	0.3	0.1	0.2	0.1
Animal slaughtering and processing	3116	1.4	1.0	0.3	0.7	0.4
Animal slaughtering and processing	31161	1.4	1.0	0.3	0.7	0.4
Animal (except poultry) slaughtering	311611	0.5	0.3	0.1	0.3	0.2
Meat processed from carcasses	311612	0.3	0.2	0.1	0.1	0.1
Poultry processing	311615	0.5	0.4	0.1	0.3	0.1
Bakeries and tortilla manufacturing	3118	0.4	0.3	0.1	0.2	(⁸)
Other food manufacturing	3119	0.5	0.3	0.1	0.2	0.2
Snack food manufacturing	31191	0.3	0.2	0.1	0.2	0.1
Beverage and tobacco product manufacturing	312	0.3	0.1	(⁸)	0.1	0.2
Beverage manufacturing	3121	0.2	0.1	(⁸)	0.1	0.2
Tobacco manufacturing	3122	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Textile mills	313	0.2	0.1	--	(⁸)	0.1
Wood product manufacturing	321	1.6	1.0	0.5	0.5	0.6
Sawmills and wood preservation	3211	0.2	0.1	0.1	(⁸)	0.1
Veneer, plywood, and engineered wood product manufacturing	3212	0.1	0.1	0.1	--	0.1
Other wood product manufacturing	3219	1.2	0.8	0.4	0.4	0.4
Paper manufacturing	322	0.8	0.5	0.2	0.3	0.3
Pulp, paper, and paperboard mills	3221	0.1	(⁸)	(⁸)	(⁸)	0.1
Converted paper product manufacturing	3222	0.7	0.4	0.2	0.2	0.3
Printing and related support activities	323	0.8	0.3	0.1	0.2	0.5
Petroleum and coal products manufacturing	324	0.1	0.1	0.1	(⁸)	(⁸)

See footnotes at end of table.

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
Petroleum and coal products manufacturing	3241	0.1	0.1	0.1	(⁸)	(⁸)
Chemical manufacturing	325	0.7	0.4	0.2	0.2	0.3
Basic chemical manufacturing	3251	0.1	0.1	(⁸)	(⁸)	0.1
Pharmaceutical and medicine manufacturing	3254	0.2	0.1	(⁸)	0.1	0.1
Pharmaceutical and medicine manufacturing	32541	0.2	0.1	(⁸)	0.1	0.1
Pharmaceutical preparation manufacturing	325412	0.1	0.1	(⁸)	0.1	(⁸)
Plastics and rubber products manufacturing	326	1.6	1.0	0.5	0.6	0.6
Plastics product manufacturing	3261	1.4	0.9	0.4	0.5	0.5
Rubber product manufacturing	3262	0.2	0.1	(⁸)	0.1	0.1
Nonmetallic mineral product manufacturing	327	0.8	0.5	0.3	0.2	0.3
Glass and glass product manufacturing	3272	0.3	0.2	0.1	0.1	0.1
Cement and concrete product manufacturing	3273	0.5	0.3	0.2	0.1	0.1
Primary metal manufacturing	331	1.4	0.8	0.4	0.4	0.6
Iron and steel mills and ferroalloy manufacturing	3311	0.3	0.2	0.1	0.1	0.1
Steel product manufacturing from purchased steel	3312	0.4	0.2	0.1	0.1	0.1
Rolling and drawing of purchased steel	33122	0.2	0.2	0.1	0.1	0.1
Alumina and aluminum production and processing	3313	0.1	(⁸)	(⁸)	(⁸)	(⁸)
Nonferrous metal (except aluminum) production and processing	3314	0.2	0.1	(⁸)	0.1	0.1
Foundries	3315	0.5	0.3	0.1	0.1	0.2
Fabricated metal product manufacturing	332	4.2	2.0	1.0	1.0	2.2
Forging and stamping	3321	0.6	0.3	0.2	0.1	0.3
Forging and stamping	33211	0.6	0.3	0.2	0.1	0.3
Powder metallurgy part manufacturing	332117	0.2	0.1	0.1	(⁸)	0.1
Architectural and structural metals manufacturing	3323	1.6	0.8	0.3	0.4	0.8
Plate work and fabricated structural product manufacturing	33231	0.8	0.3	0.2	--	0.5
Ornamental and architectural metal products manufacturing	33232	0.7	0.4	0.2	0.3	0.3
Sheet metal work manufacturing	332322	0.2	0.1	0.1	--	0.1
Boiler, tank, and shipping container manufacturing	3324	0.3	0.2	0.1	0.1	0.1
Machine shops; turned product; and screw, nut, and bolt manufacturing	3327	1.0	0.3	0.2	0.1	0.7

See footnotes at end of table.

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
Machine shops	33271	0.9	0.3	0.1	0.1	--
Turned product and screw, nut, and bolt manufacturing	33272	0.1	(⁸)	(⁸)	(⁸)	0.1
Coating, engraving, heat treating, and allied activities	3328	0.2	0.1	--	(⁸)	0.1
Machinery manufacturing	333	1.2	0.7	0.3	0.4	0.5
Agriculture, construction, and mining machinery manufacturing	3331	0.2	0.1	(⁸)	0.1	0.1
Mining and oil and gas field machinery manufacturing	33313	0.1	(⁸)	--	(⁸)	(⁸)
Industrial machinery manufacturing	3332	0.1	0.1	0.1	--	(⁸)
Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	3334	0.2	0.1	(⁸)	0.1	(⁸)
Metalworking machinery manufacturing	3335	0.2	0.1	(⁸)	(⁸)	0.1
Metalworking machinery manufacturing	33351	0.2	0.1	(⁸)	(⁸)	0.1
Special die and tool, die set, jig, and fixture manufacturing	333514	0.1	(⁸)	(⁸)	--	(⁸)
Engine, turbine, and power transmission equipment manufacturing	3336	0.1	(⁸)	(⁸)	(⁸)	(⁸)
Other general purpose machinery manufacturing	3339	0.4	0.2	0.1	0.1	0.2
Computer and electronic product manufacturing	334	0.3	0.2	0.1	0.1	0.1
Communications equipment manufacturing	3342	0.1	(⁸)	(⁸)	(⁸)	(⁸)
Semiconductor and other electronic component manufacturing	3344	0.1	0.1	(⁸)	0.1	(⁸)
Navigational, measuring, electromedical, and control instruments manufacturing	3345	0.1	0.1	(⁸)	0.1	0.1
Electrical equipment, appliance, and component manufacturing	335	1.4	0.7	0.3	0.3	0.7
Electrical equipment manufacturing	3353	0.6	0.3	0.2	0.1	--
Transportation equipment manufacturing	336	1.6	0.9	0.4	0.5	0.7
Motor vehicle body and trailer manufacturing	3362	0.5	0.3	0.1	0.1	0.2
Motor vehicle parts manufacturing	3363	0.4	0.2	0.1	0.2	0.2
Aerospace product and parts manufacturing	3364	0.3	0.1	(⁸)	0.1	0.1
Railroad rolling stock manufacturing	3365	0.1	(⁸)	(⁸)	(⁸)	0.1
Furniture and related product manufacturing	337	0.7	0.5	0.2	0.3	0.2
Household and institutional furniture and kitchen cabinet manufacturing	3371	0.4	0.3	0.1	0.2	0.1
Office furniture (including fixtures) manufacturing	3372	0.2	0.1	0.1	(⁸)	0.1

See footnotes at end of table.

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
Other furniture related product manufacturing	3379	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Miscellaneous manufacturing	339	0.8	0.4	0.3	0.1	0.4
Medical equipment and supplies manufacturing	3391	0.3	0.2	0.1	0.1	0.1
Other miscellaneous manufacturing	3399	0.5	0.2	0.2	0.1	0.3
Service-providing		104.1	54.0	29.8	24.2	50.1
Trade, transportation, and utilities⁷		33.1	21.2	11.3	9.9	11.9
Wholesale trade		5.3	3.6	2.1	1.4	1.7
Merchant wholesalers, durable goods	423	2.9	1.7	1.2	0.5	1.2
Motor vehicle and motor vehicle parts and supplies merchant wholesalers	4231	0.5	0.3	0.3	(⁸)	0.2
Lumber and other construction materials merchant wholesalers	4233	0.3	0.2	0.1	0.1	0.1
Household appliances and electrical and electronic goods merchant wholesalers	4236	0.2	0.2	0.1	--	--
Hardware, and plumbing and heating equipment and supplies merchant wholesalers	4237	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Machinery, equipment, and supplies merchant wholesalers	4238	1.0	0.6	0.4	0.2	0.4
Industrial machinery and equipment merchant wholesalers	42383	0.4	0.3	0.2	0.1	0.2
Miscellaneous durable goods merchant wholesalers	4239	0.3	0.2	0.1	--	0.2
Recyclable material merchant wholesalers	42393	0.2	0.1	0.1	(⁸)	0.1
Merchant wholesalers, nondurable goods	424	2.1	1.7	0.7	1.0	0.5
Grocery and related product merchant wholesalers	4244	1.4	1.0	0.4	0.7	0.3
Petroleum and petroleum products merchant wholesalers	4247	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Beer, wine, and distilled alcoholic beverage merchant wholesalers	4248	0.4	0.4	0.2	0.2	0.1
Wholesale electronic markets and agents and brokers	425	0.3	0.2	0.2	(⁸)	0.1
Retail trade		16.7	9.8	4.9	4.9	6.9

See footnotes at end of table.

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
Motor vehicle and parts dealers	441	2.8	1.9	1.2	0.7	0.9
Electronics and appliance stores	443	0.1	(⁸)	(⁸)	--	--
Building material and garden equipment and supplies dealers	444	1.9	1.2	0.5	0.7	0.7
Building material and supplies dealers	4441	1.7	1.1	0.5	0.6	0.6
Food and beverage stores	445	3.7	2.3	1.2	1.1	1.4
Health and personal care stores	446	--	0.2	--	0.2	--
Gasoline stations	447	1.3	0.7	0.2	--	0.6
Sporting goods, hobby, book, and music stores	451	0.4	0.1	--	0.1	0.3
General merchandise stores	452	3.7	2.1	0.8	1.2	1.6
Department stores	4521	1.1	0.6	0.3	0.3	0.5
Other general merchandise stores	4529	2.6	1.4	0.5	0.9	1.1
Miscellaneous store retailers	453	0.9	0.4	0.2	0.2	--
Nonstore retailers	454	0.4	0.3	0.1	0.1	0.1
Transportation and warehousing⁷		10.8	7.6	4.2	3.5	3.1
Air transportation	481	0.8	0.6	0.4	0.2	0.2
Truck transportation	484	3.0	2.1	1.4	0.7	0.9
General freight trucking	4841	2.2	1.5	1.1	0.4	0.7
General freight trucking, local	48411	0.6	0.5	0.5	--	0.1
General freight trucking, long-distance	48412	1.7	1.0	0.7	0.4	0.6
Specialized freight trucking	4842	0.8	0.6	0.3	0.3	0.2
Specialized freight (except used goods) trucking, local	48422	0.5	0.4	0.2	0.2	0.1
Specialized freight (except used goods) trucking, long-distance	48423	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Transit and ground passenger transportation	485	0.6	0.4	0.3	0.1	0.2
School and employee bus transportation	4854	0.4	0.2	0.2	(⁸)	0.2
Support activities for transportation	488	0.3	0.2	0.2	(⁸)	0.1
Couriers and messengers	492	1.1	0.9	0.4	0.4	0.3
Warehousing and storage	493	4.4	3.3	1.2	2.0	1.1

See footnotes at end of table.

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
Utilities		0.3	0.2	0.1	0.1	0.1
Utilities	221	0.3	0.2	0.1	0.1	0.1
Electric power generation, transmission and distribution	2211	0.1	0.1	(⁸)	(⁸)	0.1
Electric power generation	22111	0.1	(⁸)	(⁸)	--	(⁸)
Fossil fuel electric power generation	221112	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Electric power transmission, control, and distribution	22112	0.1	(⁸)	(⁸)	--	--
Natural gas distribution	2212	0.1	0.1	(⁸)	(⁸)	(⁸)
Water, sewage and other systems	2213	0.1	0.1	(⁸)	(⁸)	0.1
Information		1.2	0.5	0.4	0.2	0.6
Information		1.2	0.5	0.4	0.2	0.6
Publishing industries (except internet)	511	0.2	0.1	0.1	(⁸)	0.1
Newspaper, periodical, book, and directory publishers	5111	0.2	0.1	0.1	--	0.1
Broadcasting (except internet)	515	0.1	(⁸)	(⁸)	(⁸)	--
Telecommunications	517	0.7	0.4	0.3	0.2	0.3
Other information services	519	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Finance, insurance, and real estate		4.1	2.3	2.2	0.1	1.8
Finance and insurance		1.7	0.9	0.8	(⁸)	0.8
Credit intermediation and related activities	522	0.7	--	--	(⁸)	0.3
Insurance carriers and related activities	524	0.6	0.2	0.1	(⁸)	0.5
Real estate and rental and leasing		2.4	1.4	1.4	0.1	--
Real estate	531	1.2	1.1	1.1	(⁸)	--

See footnotes at end of table.

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
Lessors of real estate	5311	1.1	1.1	1.1	(⁸)	(⁸)
Professional and business services		8.9	4.2	2.6	1.6	4.7
Professional, scientific, and technical services		2.6	0.6	0.3	0.3	2.1
Professional, scientific, and technical services	541	2.6	0.6	0.3	0.3	2.1
Legal services	5411	0.2	0.1	0.1	--	--
Architectural, engineering, and related services	5413	0.3	0.1	(⁸)	0.1	0.2
Testing laboratories	54138	0.1	0.1	(⁸)	(⁸)	(⁸)
Computer systems design and related services	5415	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Management, scientific, and technical consulting services	5416	0.2	0.1	--	--	0.1
Scientific research and development services	5417	0.2	0.1	(⁸)	(⁸)	0.1
Advertising, public relations, and related services	5418	0.1	(⁸)	(⁸)	(⁸)	0.1
Other professional, scientific, and technical services	5419	1.5	0.2	0.1	0.1	1.3
Veterinary services	54194	1.5	0.2	0.1	0.1	1.3
Management of companies and enterprises		0.6	0.2	0.2	0.1	0.4
Administrative and support and waste management and remediation services		5.7	3.4	2.1	1.3	2.2
Administrative and support services	561	--	--	--	--	--
Business support services	5614	0.1	(⁸)	(⁸)	(⁸)	0.1
Investigation and security services	5616	0.5	0.1	0.1	(⁸)	0.4
Services to buildings and dwellings	5617	2.0	1.4	1.1	0.3	0.6
Janitorial services	56172	0.8	0.5	0.3	0.1	0.3
Landscaping services	56173	0.9	0.7	--	0.2	0.1
Waste management and remediation services	562	0.8	0.5	0.3	0.2	0.3
Waste collection	5621	0.3	0.2	0.1	0.1	0.1

See footnotes at end of table.

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
Waste collection	56211	0.3	0.2	0.1	0.1	0.1
Solid waste collection	562111	0.3	0.2	0.1	0.1	0.1
Waste treatment and disposal	5622	0.3	0.2	0.1	0.1	0.1
Remediation and other waste management services	5629	0.1	0.1	--	--	(⁸)
Educational and health services		40.4	18.9	9.0	9.9	21.5
Educational services		2.5	0.9	0.6	0.3	1.6
Educational services	611	2.5	0.9	0.6	0.3	1.6
Elementary and secondary schools	6111	1.1	0.2	0.2	(⁸)	0.8
Colleges, universities, and professional schools	6113	1.3	0.6	0.4	0.2	0.7
Health care and social assistance		38.0	18.1	8.4	9.7	19.9
Ambulatory health care services	621	8.5	2.8	1.7	1.1	5.7
Offices of physicians	6211	2.1	0.4	0.3	--	1.7
Hospitals	622	12.7	5.3	2.6	2.7	7.4
Nursing and residential care facilities	623	12.7	8.3	2.9	5.4	4.4
Nursing care facilities (skilled nursing facilities)	6231	4.3	3.0	1.1	2.0	1.3
Continuing care retirement communities and assisted living facilities for the elderly	6233	3.6	2.5	1.0	1.6	1.0
Social assistance	624	4.0	1.6	1.1	0.4	2.5
Vocational rehabilitation services	6243	0.3	0.1	(⁸)	0.1	0.2
Child day care services	6244	0.6	0.1	0.1	(⁸)	0.4
Leisure, entertainment, and hospitality		13.3	5.3	3.2	2.1	8.0
Arts, entertainment, and recreation		2.7	1.7	0.4	--	0.9

See footnotes at end of table.

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
Museums, historical sites, and similar institutions	712	0.2	0.1	(⁸)	(⁸)	0.1
Amusement, gambling, and recreation industries	713	1.2	0.6	0.3	0.3	0.6
Amusement parks and arcades	7131	0.3	0.2	0.1	0.1	0.1
Gambling industries	7132	0.2	0.1	(⁸)	0.1	0.1
Other amusement and recreation industries	7139	0.7	0.3	0.2	0.1	0.4
Accommodation and food services		10.6	3.6	2.8	0.8	7.1
Accommodation	721	2.0	0.9	0.5	0.4	1.1
Food services and drinking places	722	8.7	2.7	2.3	0.4	6.0
Restaurants and other eating places	7225	7.1	1.7	1.5	0.2	5.4
Other services (except public administration)		3.1	1.5	1.2	0.3	1.6
Other services (except public administration)		3.1	1.5	1.2	0.3	1.6
Repair and maintenance	811	1.5	0.6	--	0.1	0.9
Religious, grantmaking, civic, professional, and similar organizations	813	0.6	0.2	0.1	--	0.4
State and local government⁴		--	--	--	--	--
State government⁴		--	--	--	--	--
Local government⁴		--	--	--	--	--
Service-providing		--	--	--	--	--
Trade, transportation, and utilities⁷		0.9	0.4	0.2	0.2	--
Utilities		--	--	--	--	--

See footnotes at end of table.

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
Utilities	221	--	--	--	--	--
Water, sewage and other systems	2213	0.4	0.1	0.1	0.1	--

¹ Totals include data for industries not shown separately.

² *North American Industry Classification System* -- United States, 2012

³ Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

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.

NOTE: Because of rounding, components may not add to totals. Dash indicates data 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, November 08, 2017

Table 8. Incidence rates¹ of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rates per 10,000 full-time workers ¹					
		Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
All industries including state and local government⁴		13.0	2.5	0.8	0.1	1.8	7.7
Private industry⁴		13.3	2.1	0.8	0.1	2.0	8.3
Goods-producing⁴		21.7	3.5	0.4	--	7.4	9.9
Natural resources and mining^{4,6}		6.6	(⁵)	(⁵)	--	(⁵)	3.3
Agriculture, forestry, fishing and hunting⁴		8.7	(⁵)	(⁵)	--	(⁵)	(⁵)
Crop production ⁴	111	14.7	(⁵)	(⁵)	--	(⁵)	(⁵)
Animal production and aquaculture ⁴	112	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Mining, quarrying, and oil and gas extraction⁶		(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Oil and gas extraction	211	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Mining (except oil and gas) ⁷	212	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Support activities for mining	213	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Construction		17.3	--	(⁵)	--	--	5.4
Construction		17.3	--	(⁵)	--	--	5.4
Construction of buildings	236	--	(⁵)	(⁵)	(⁵)	(⁵)	--
Heavy and civil engineering construction	237	22.2	--	(⁵)	(⁵)	--	11.1
Specialty trade contractors	238	20.7	--	(⁵)	--	--	--
Manufacturing		24.8	2.0	0.5	(⁵)	10.1	12.3

See footnotes at end of table.

Table 8. Incidence rates¹ of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rates per 10,000 full-time workers ¹					
		Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
Manufacturing		24.8	2.0	0.5	(⁵)	10.1	12.3
Food manufacturing	311	64.3	(⁵)	(⁵)	(⁵)	24.5	37.1
Beverage and tobacco product manufacturing	312	--	(⁵)	(⁵)	(⁵)	--	--
Textile mills	313	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Wood product manufacturing	321	8.4	(⁵)	(⁵)	(⁵)	7.8	(⁵)
Paper manufacturing	322	12.9	(⁵)	--	(⁵)	6.9	(⁵)
Printing and related support activities	323	28.1	(⁵)	(⁵)	(⁵)	17.5	10.7
Petroleum and coal products manufacturing	324	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Chemical manufacturing	325	13.8	(⁵)	--	(⁵)	--	(⁵)
Plastics and rubber products manufacturing	326	13.0	(⁵)	(⁵)	(⁵)	11.4	(⁵)
Nonmetallic mineral product manufacturing	327	16.1	--	(⁵)	(⁵)	(⁵)	(⁵)
Primary metal manufacturing	331	16.4	--	(⁵)	(⁵)	6.8	7.4
Fabricated metal product manufacturing	332	20.5	3.0	(⁵)	(⁵)	11.4	6.1
Machinery manufacturing	333	12.0	(⁵)	(⁵)	(⁵)	--	6.1
Computer and electronic product manufacturing	334	15.3	--	--	(⁵)	--	--
Electrical equipment, appliance, and component manufacturing	335	22.4	--	--	(⁵)	--	19.4
Transportation equipment manufacturing	336	32.8	5.3	(⁵)	(⁵)	8.3	18.9
Furniture and related product manufacturing	337	47.1	9.5	(⁵)	(⁵)	14.1	23.6
Miscellaneous manufacturing	339	31.1	--	(⁵)	(⁵)	--	20.9
Service-providing		11.2	1.7	1.0	(⁵)	0.6	7.9
Trade, transportation, and utilities⁸		10.9	1.5	0.7	(⁵)	1.3	7.5
Wholesale trade		12.6	(⁵)	(⁵)	(⁵)	(⁵)	12.1
Merchant wholesalers, durable goods	423	9.5	(⁵)	(⁵)	(⁵)	(⁵)	9.1
Merchant wholesalers, nondurable goods	424	7.6	(⁵)	(⁵)	(⁵)	(⁵)	--
Wholesale electronic markets and agents and brokers	425	--	(⁵)	(⁵)	(⁵)	(⁵)	--

See footnotes at end of table.

Table 8. Incidence rates¹ of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rates per 10,000 full-time workers ¹					
		Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
Retail trade		9.3	2.6	1.0	(⁵)	(⁵)	5.7
Motor vehicle and parts dealers	441	--	(⁵)	--	(⁵)	(⁵)	--
Electronics and appliance stores	443	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Building material and garden equipment and supplies dealers	444	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Food and beverage stores	445	--	--	(⁵)	(⁵)	(⁵)	(⁵)
Health and personal care stores	446	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Gasoline stations	447	--	(⁵)	(⁵)	(⁵)	(⁵)	--
Sporting goods, hobby, book, and music stores	451	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
General merchandise stores	452	30.0	(⁵)	2.1	(⁵)	(⁵)	--
Miscellaneous store retailers	453	--	--	(⁵)	(⁵)	(⁵)	(⁵)
Nonstore retailers	454	--	(⁵)	--	(⁵)	(⁵)	(⁵)
Transportation and warehousing⁸		13.9	(⁵)	0.8	(⁵)	5.2	7.5
Air transportation	481	54.0	(⁵)	(⁵)	(⁵)	33.8	(⁵)
Truck transportation	484	2.7	(⁵)	(⁵)	(⁵)	(⁵)	2.7
Transit and ground passenger transportation	485	--	(⁵)	--	(⁵)	(⁵)	(⁵)
Support activities for transportation	488	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Couriers and messengers	492	37.3	(⁵)	(⁵)	(⁵)	(⁵)	35.7
Warehousing and storage	493	9.2	(⁵)	(⁵)	(⁵)	(⁵)	8.1
Utilities		(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Utilities	221	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Information		--	--	(⁵)	(⁵)	--	(⁵)
Information		--	--	(⁵)	(⁵)	--	(⁵)

See footnotes at end of table.

Table 8. Incidence rates¹ of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rates per 10,000 full-time workers ¹					
		Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
Publishing industries (except internet)	511	--	--	(⁵)	(⁵)	--	(⁵)
Broadcasting (except internet)	515	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Telecommunications	517	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Other information services	519	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Finance, insurance, and real estate		3.3	--	--	(⁵)	(⁵)	1.6
Finance and insurance		3.5	--	--	(⁵)	(⁵)	2.0
Credit intermediation and related activities	522	--	(⁵)	--	(⁵)	(⁵)	(⁵)
Insurance carriers and related activities	524	4.3	--	(⁵)	(⁵)	(⁵)	4.0
Real estate and rental and leasing		--	--	(⁵)	(⁵)	(⁵)	(⁵)
Real estate	531	--	--	(⁵)	(⁵)	(⁵)	(⁵)
Professional and business services		6.4	0.7	0.3	(⁵)	--	4.4
Professional, scientific, and technical services		4.5	(⁵)	--	(⁵)	(⁵)	4.2
Professional, scientific, and technical services	541	4.5	(⁵)	--	(⁵)	(⁵)	4.2
Management of companies and enterprises		2.5	(⁵)	--	(⁵)	(⁵)	--
Administrative and support and waste management and remediation services		10.5	1.6	(⁵)	(⁵)	--	6.0
Waste management and remediation services	562	--	--	(⁵)	(⁵)	(⁵)	(⁵)

See footnotes at end of table.

Table 8. Incidence rates¹ of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rates per 10,000 full-time workers ¹					
		Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
Educational and health services		18.9	2.8	1.8	(⁵)	(⁵)	14.2
Educational services		11.5	(⁵)	--	(⁵)	(⁵)	5.9
Educational services	611	11.5	(⁵)	--	(⁵)	(⁵)	5.9
Health care and social assistance		20.2	3.1	1.5	(⁵)	(⁵)	15.6
Ambulatory health care services	621	13.0	0.9	(⁵)	(⁵)	(⁵)	11.6
Hospitals	622	23.1	3.4	2.8	(⁵)	(⁵)	16.9
Nursing and residential care facilities	623	25.6	5.2	(⁵)	(⁵)	(⁵)	19.5
Social assistance	624	22.8	4.5	1.8	(⁵)	(⁵)	16.5
Leisure, entertainment, and hospitality		13.5	3.7	1.2	(⁵)	(⁵)	8.6
Arts, entertainment, and recreation		22.0	6.0	(⁵)	(⁵)	(⁵)	15.4
Museums, historical sites, and similar institutions	712	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Amusement, gambling, and recreation industries	713	24.4	7.7	(⁵)	(⁵)	(⁵)	15.8
Accommodation and food services		12.2	3.3	1.4	(⁵)	(⁵)	7.5
Accommodation	721	21.9	5.0	--	(⁵)	(⁵)	14.5
Food services and drinking places	722	10.3	--	1.2	(⁵)	(⁵)	6.2
Other services (except public administration)		5.7	--	(⁵)	(⁵)	--	4.0
Other services (except public administration)		5.7	--	(⁵)	(⁵)	--	4.0
Repair and maintenance	811	--	(⁵)	(⁵)	(⁵)	--	(⁵)

See footnotes at end of table.

Table 8. Incidence rates¹ of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rates per 10,000 full-time workers ¹					
		Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
Religious, grantmaking, civic, professional, and similar organizations	813	6.9	(⁵)	(⁵)	(⁵)	(⁵)	6.9
State and local government⁴		--	--	--	--	--	--
State government⁴		--	--	--	--	--	--
Local government⁴		--	--	--	--	--	--
Service-providing		--	--	--	--	--	--
Trade, transportation, and utilities⁸		--	--	(⁵)	(⁵)	(⁵)	--
Utilities		--	--	--	--	--	--

Table 8. Incidence rates¹ of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rates per 10,000 full-time workers ¹				
		Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss

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

N = number of illnesses

EH = total hours worked by all employees during the calendar year

20,000,000 = base for 10,000 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 too small to be displayed.

⁶ 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. □

⁷ 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.

⁸ Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

NOTE: Because of rounding, components may not add to totals. Dash indicates data 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, November 08, 2017

Table 9. Numbers of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Numbers of illnesses by category					
		Total cases	Skin diseases or disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
All industries including state and local government³		5.9	1.2	0.4	0.1	0.8	3.5
Private industry³		5.5	0.9	0.3	0.1	0.8	3.4
Goods-producing³		1.8	0.3	(⁴)	--	0.6	0.8
Natural resources and mining^{3,5}		(⁴)	(⁴)	(⁴)	--	(⁴)	(⁴)
Agriculture, forestry, fishing and hunting³		(⁴)	(⁴)	(⁴)	--	(⁴)	(⁴)
Crop production ³	111	(⁴)	(⁴)	(⁴)	--	(⁴)	(⁴)
Animal production and aquaculture ³	112	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Mining, quarrying, and oil and gas extraction⁵		(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Oil and gas extraction	211	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Mining (except oil and gas) ⁶	212	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Support activities for mining	213	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Construction		0.4	--	(⁴)	--	--	0.1
Construction		0.4	--	(⁴)	--	--	0.1
Construction of buildings	236	--	(⁴)	(⁴)	(⁴)	(⁴)	--
Heavy and civil engineering construction	237	0.1	--	(⁴)	(⁴)	--	(⁴)
Specialty trade contractors	238	0.3	--	(⁴)	--	--	--
Manufacturing		1.4	0.1	(⁴)	(⁴)	0.6	0.7

See footnotes at end of table.

Table 9. Numbers of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Numbers of illnesses by category					
		Total cases	Skin diseases or disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
Manufacturing		1.4	0.1	(⁴)	(⁴)	0.6	0.7
Food manufacturing	311	0.4	(⁴)	(⁴)	(⁴)	0.2	0.3
Beverage and tobacco product manufacturing	312	--	(⁴)	(⁴)	(⁴)	--	--
Textile mills	313	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Wood product manufacturing	321	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Paper manufacturing	322	(⁴)	(⁴)	--	(⁴)	(⁴)	(⁴)
Printing and related support activities	323	0.1	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Petroleum and coal products manufacturing	324	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Chemical manufacturing	325	0.1	(⁴)	--	(⁴)	--	(⁴)
Plastics and rubber products manufacturing	326	0.1	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Nonmetallic mineral product manufacturing	327	(⁴)	--	(⁴)	(⁴)	(⁴)	(⁴)
Primary metal manufacturing	331	0.1	--	(⁴)	(⁴)	(⁴)	(⁴)
Fabricated metal product manufacturing	332	0.2	(⁴)	(⁴)	(⁴)	0.1	(⁴)
Machinery manufacturing	333	0.1	(⁴)	(⁴)	(⁴)	--	(⁴)
Computer and electronic product manufacturing	334	(⁴)	--	--	(⁴)	--	--
Electrical equipment, appliance, and component manufacturing	335	0.1	--	--	(⁴)	--	0.1
Transportation equipment manufacturing	336	0.1	(⁴)	(⁴)	(⁴)	(⁴)	0.1
Furniture and related product manufacturing	337	0.1	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Miscellaneous manufacturing	339	0.1	--	(⁴)	(⁴)	--	0.1
Service-providing		3.7	0.6	0.3	(⁴)	0.2	2.6
Trade, transportation, and utilities⁷		1.0	0.1	0.1	(⁴)	0.1	0.7
Wholesale trade		0.3	(⁴)	(⁴)	(⁴)	(⁴)	0.3
Merchant wholesalers, durable goods	423	0.1	(⁴)	(⁴)	(⁴)	(⁴)	0.1
Merchant wholesalers, nondurable goods	424	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	--
Wholesale electronic markets and agents and brokers	425	--	(⁴)	(⁴)	(⁴)	(⁴)	--

See footnotes at end of table.

Table 9. Numbers of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Numbers of illnesses by category					
		Total cases	Skin diseases or disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
Retail trade		0.4	0.1	(⁴)	(⁴)	(⁴)	0.3
Motor vehicle and parts dealers	441	--	(⁴)	--	(⁴)	(⁴)	--
Electronics and appliance stores	443	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Building material and garden equipment and supplies dealers	444	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Food and beverage stores	445	--	--	(⁴)	(⁴)	(⁴)	(⁴)
Health and personal care stores	446	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Gasoline stations	447	--	(⁴)	(⁴)	(⁴)	(⁴)	--
Sporting goods, hobby, book, and music stores	451	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
General merchandise stores	452	0.2	(⁴)	(⁴)	(⁴)	(⁴)	--
Miscellaneous store retailers	453	--	--	(⁴)	(⁴)	(⁴)	(⁴)
Nonstore retailers	454	--	(⁴)	--	(⁴)	(⁴)	(⁴)
Transportation and warehousing⁷		0.3	(⁴)	(⁴)	(⁴)	0.1	0.2
Air transportation	481	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Truck transportation	484	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Transit and ground passenger transportation	485	--	(⁴)	--	(⁴)	(⁴)	(⁴)
Support activities for transportation	488	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Couriers and messengers	492	0.1	(⁴)	(⁴)	(⁴)	(⁴)	0.1
Warehousing and storage	493	0.1	(⁴)	(⁴)	(⁴)	(⁴)	0.1
Utilities		(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Utilities	221	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Information		--	--	(⁴)	(⁴)	--	(⁴)
Information		--	--	(⁴)	(⁴)	--	(⁴)

See footnotes at end of table.

Table 9. Numbers of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Numbers of illnesses by category					
		Total cases	Skin diseases or disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
Publishing industries (except internet)	511	--	--	(⁴)	(⁴)	--	(⁴)
Broadcasting (except internet)	515	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Telecommunications	517	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Other information services	519	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Finance, insurance, and real estate		0.1	--	--	(⁴)	(⁴)	(⁴)
Finance and insurance		0.1	--	--	(⁴)	(⁴)	(⁴)
Credit intermediation and related activities	522	--	(⁴)	--	(⁴)	(⁴)	(⁴)
Insurance carriers and related activities	524	(⁴)	--	(⁴)	(⁴)	(⁴)	(⁴)
Real estate and rental and leasing		--	--	(⁴)	(⁴)	(⁴)	(⁴)
Real estate	531	--	--	(⁴)	(⁴)	(⁴)	(⁴)
Professional and business services		0.4	(⁴)	(⁴)	(⁴)	--	0.3
Professional, scientific, and technical services		0.1	(⁴)	--	(⁴)	(⁴)	0.1
Professional, scientific, and technical services	541	0.1	(⁴)	--	(⁴)	(⁴)	0.1
Management of companies and enterprises		(⁴)	(⁴)	--	(⁴)	(⁴)	--
Administrative and support and waste management and remediation services		0.3	(⁴)	(⁴)	(⁴)	--	0.2
Waste management and remediation services	562	--	--	(⁴)	(⁴)	(⁴)	(⁴)

See footnotes at end of table.

Table 9. Numbers of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Numbers of illnesses by category					
		Total cases	Skin diseases or disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
Educational and health services		1.6	0.2	0.2	(⁴)	(⁴)	1.2
Educational services		0.1	(⁴)	--	(⁴)	(⁴)	0.1
Educational services	611	0.1	(⁴)	--	(⁴)	(⁴)	0.1
Health care and social assistance		1.5	0.2	0.1	(⁴)	(⁴)	1.2
Ambulatory health care services	621	0.3	(⁴)	(⁴)	(⁴)	(⁴)	0.3
Hospitals	622	0.5	0.1	0.1	(⁴)	(⁴)	0.4
Nursing and residential care facilities	623	0.4	0.1	(⁴)	(⁴)	(⁴)	0.3
Social assistance	624	0.3	0.1	(⁴)	(⁴)	(⁴)	0.2
Leisure, entertainment, and hospitality		0.4	0.1	(⁴)	(⁴)	(⁴)	0.3
Arts, entertainment, and recreation		0.1	(⁴)	(⁴)	(⁴)	(⁴)	0.1
Museums, historical sites, and similar institutions	712	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Amusement, gambling, and recreation industries	713	0.1	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Accommodation and food services		0.3	0.1	(⁴)	(⁴)	(⁴)	0.2
Accommodation	721	0.1	(⁴)	--	(⁴)	(⁴)	0.1
Food services and drinking places	722	0.2	--	(⁴)	(⁴)	(⁴)	0.1
Other services (except public administration)		0.1	--	(⁴)	(⁴)	--	0.1
Other services (except public administration)		0.1	--	(⁴)	(⁴)	--	0.1
Repair and maintenance	811	--	(⁴)	(⁴)	(⁴)	--	(⁴)

See footnotes at end of table.

Table 9. Numbers of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Numbers of illnesses by category					
		Total cases	Skin diseases or disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
Religious, grantmaking, civic, professional, and similar organizations	813	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
State and local government³		--	--	--	--	--	--
State government³		--	--	--	--	--	--
Local government³		--	--	--	--	--	--
Service-providing		--	--	--	--	--	--
Trade, transportation, and utilities⁷		--	--	(⁴)	(⁴)	(⁴)	--
Utilities		--	--	--	--	--	--

Table 9. Numbers of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016

(In thousands)

Industry ¹	NAICS code ²	Numbers of illnesses by category				
		Total cases	Skin diseases or disorders	Respiratory conditions	Poisonings	Hearing loss

¹ Totals include data for industries not shown separately.

² *North American Industry Classification System* -- United States, 2012.

³ Excludes farms with fewer than 11 employees.

⁴ Data too small to be displayed.

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.

NOTE: Because of rounding, components may not add to totals. Dash indicates data 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, November 08, 2017

Table 10. Incidence rate¹ and number of nonfatal occupational injuries by industry, Pennsylvania, 2016

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		3.2	145.0	2.7	2.4
Private industry⁴		3.2	132.5	2.3	2.2
Goods-producing⁴		3.9	32.0	4.1	4.0
Natural resources and mining^{4,5}		3.3	1.7	12.5	12.0
Agriculture, forestry, fishing and hunting⁴		4.9	1.1	15.6	14.0
Crop production ⁴	111	6.0	0.8	17.6	18.0
Greenhouse, nursery, and floriculture production ⁴	1114	5.6	0.6	19.5	20.8
Food crops grown under cover ⁴	11141	5.8	0.5	20.8	21.4
Mushroom production ⁴	111411	5.9	0.5	21.0	21.4
Other food crops grown under cover ⁴	111419	--	(⁸)	(¹⁰)	(¹⁰)
Animal production and aquaculture ⁴	112	4.1	0.2	33.5	24.7
Mining, quarrying, and oil and gas extraction⁵		2.0	0.6	22.1	22.5
Oil and gas extraction	211	0.3	(⁸)	41.3	39.6
Oil and gas extraction	2111	0.3	(⁸)	41.3	39.6
Oil and gas extraction	21111	0.3	(⁸)	41.3	39.6
Crude petroleum and natural gas extraction	211111	--	(⁸)	54.6	56.2
Mining (except oil and gas) ⁶	212	3.2	0.3	(⁹)	(⁹)
Coal mining ⁶	2121	4.0	0.2	(⁹)	(⁹)
Coal mining ⁶	21211	4.0	0.2	(⁹)	(⁹)
Bituminous coal and lignite surface mining ⁶	212111	--	(⁸)	(⁹)	(⁹)
Bituminous coal underground mining ⁶	212112	4.5	0.2	(⁹)	(⁹)
Anthracite mining ⁶	212113	4.4	(⁸)	(⁹)	(⁹)
Nonmetallic mineral mining and quarrying ⁶	2123	2.3	0.1	(⁹)	(⁹)
Support activities for mining	213	1.7	0.2	57.3	58.5

See footnotes at end of table.

Table 10. Incidence rate¹ and number of nonfatal occupational injuries by industry, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rate ¹	Number of cases (thousands)	Percent relative standard errors	
				Incidence rates	Numbers
Support activities for mining	2131	1.7	0.2	57.3	58.5
Support activities for mining	21311	1.7	0.2	57.3	58.5
Drilling oil and gas wells	213111	--	(⁸)	52.4	58.0
Support activities for oil and gas operations	213112	1.9	0.2	57.7	59.4
Construction		4.2	9.2	10.3	10.2
Construction		4.2	9.2	10.3	10.2
Construction of buildings	236	4.9	2.5	20.0	21.1
Nonresidential building construction	2362	5.0	1.4	18.1	18.6
Heavy and civil engineering construction	237	2.4	0.8	17.6	16.5
Utility system construction	2371	2.2	0.4	27.8	22.7
Water and sewer line and related structures construction	23711	4.4	0.3	30.6	30.5
Highway, street, and bridge construction	2373	2.5	0.3	17.7	19.5
Specialty trade contractors	238	4.4	5.9	13.2	13.1
Foundation, structure, and building exterior contractors	2381	6.4	1.5	27.9	26.8
Poured concrete foundation and structure contractors	23811	5.3	0.3	37.4	42.3
Roofing contractors	23816	5.5	0.3	49.5	52.9
Building equipment contractors	2382	4.3	2.8	16.7	17.0
Electrical contractors and other wiring installation contractors	23821	2.7	0.7	24.6	26.4
Plumbing, heating, and air-conditioning contractors	23822	6.0	2.0	20.4	21.1
Building finishing contractors	2383	4.8	1.0	41.8	42.0
Other specialty trade contractors	2389	2.4	0.6	29.8	30.2
Site preparation contractors	23891	2.4	0.4	37.1	36.5
All other specialty trade contractors	23899	2.4	0.3	49.5	51.8
Manufacturing		3.8	21.1	4.2	4.0
Manufacturing		3.8	21.1	4.2	4.0
Food manufacturing	311	4.8	3.3	6.9	6.1

See footnotes at end of table.

Table 10. Incidence rate¹ and number of nonfatal occupational injuries by industry, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rate ¹	Number of cases (thousands)	Percent relative standard errors	
				Incidence rates	Numbers
Sugar and confectionery product manufacturing	3113	4.7	0.4	12.7	10.4
Chocolate and confectionery manufacturing	31135	5.0	0.4	13.1	11.3
Fruit and vegetable preserving and specialty food manufacturing	3114	6.8	0.5	17.4	18.0
Dairy product manufacturing	3115	5.4	0.4	25.5	24.0
Animal slaughtering and processing	3116	6.4	1.1	11.9	9.7
Animal slaughtering and processing	31161	6.4	1.1	11.9	9.7
Animal (except poultry) slaughtering	311611	6.1	0.4	3.1	1.7
Meat processed from carcasses	311612	5.1	0.3	29.4	24.7
Poultry processing	311615	8.7	0.4	15.7	17.3
Bakeries and tortilla manufacturing	3118	3.3	0.4	20.9	21.8
Other food manufacturing	3119	3.3	0.4	14.9	10.4
Snack food manufacturing	31191	4.8	0.3	14.1	12.1
Beverage and tobacco product manufacturing	312	2.9	0.2	42.8	39.3
Beverage manufacturing	3121	3.0	0.2	45.7	41.9
Tobacco manufacturing	3122	2.5	(⁸)	19.7	19.1
Textile mills	313	6.0	0.2	53.0	51.0
Wood product manufacturing	321	6.9	1.6	15.6	17.0
Sawmills and wood preservation	3211	5.1	0.2	8.1	10.4
Veneer, plywood, and engineered wood product manufacturing	3212	4.9	0.1	24.9	30.0
Other wood product manufacturing	3219	7.8	1.2	20.0	22.0
Paper manufacturing	322	3.1	0.8	18.9	18.4
Pulp, paper, and paperboard mills	3221	2.6	0.1	21.3	22.6
Converted paper product manufacturing	3222	3.2	0.7	21.2	20.6
Printing and related support activities	323	3.3	0.8	21.8	23.2
Petroleum and coal products manufacturing	324	1.8	0.1	32.3	35.3
Petroleum and coal products manufacturing	3241	1.8	0.1	32.3	35.3
Chemical manufacturing	325	1.6	0.6	14.2	14.0
Basic chemical manufacturing	3251	1.9	0.1	37.0	37.8
Pharmaceutical and medicine manufacturing	3254	1.0	0.2	11.7	11.2
Pharmaceutical and medicine manufacturing	32541	1.0	0.2	11.7	11.2
Pharmaceutical preparation manufacturing	325412	0.9	0.1	14.6	14.1
Plastics and rubber products manufacturing	326	4.0	1.6	11.6	11.7

See footnotes at end of table.

Table 10. Incidence rate¹ and number of nonfatal occupational injuries by industry, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rate ¹	Number of cases (thousands)	Percent relative standard errors	
				Incidence rates	Numbers
Plastics product manufacturing	3261	4.0	1.4	12.6	12.6
Rubber product manufacturing	3262	4.0	0.2	29.3	32.3
Nonmetallic mineral product manufacturing	327	3.8	0.8	20.7	19.1
Glass and glass product manufacturing	3272	5.1	0.3	24.3	26.6
Cement and concrete product manufacturing	3273	4.6	0.4	31.9	29.6
Primary metal manufacturing	331	3.6	1.3	8.2	8.9
Iron and steel mills and ferroalloy manufacturing	3311	2.5	0.3	9.8	9.9
Steel product manufacturing from purchased steel	3312	6.1	0.4	13.8	16.2
Rolling and drawing of purchased steel	33122	7.5	0.2	21.5	19.0
Alumina and aluminum production and processing	3313	2.0	0.1	9.7	9.8
Nonferrous metal (except aluminum) production and processing	3314	2.7	0.2	22.2	23.3
Foundries	3315	4.8	0.4	21.8	21.0
Fabricated metal product manufacturing	332	5.1	4.1	13.3	13.3
Forging and stamping	3321	4.9	0.5	24.0	23.6
Forging and stamping	33211	4.9	0.5	24.0	23.6
Powder metallurgy part manufacturing	332117	3.2	0.2	46.5	47.1
Architectural and structural metals manufacturing	3323	7.5	1.6	24.4	24.3
Plate work and fabricated structural product manufacturing	33231	9.1	0.8	36.0	36.1
Ornamental and architectural metal products manufacturing	33232	6.3	0.7	33.8	31.8
Sheet metal work manufacturing	332322	4.9	0.2	37.7	37.0
Boiler, tank, and shipping container manufacturing	3324	6.3	0.3	37.5	42.9
Machine shops; turned product; and screw, nut, and bolt manufacturing	3327	5.0	1.0	31.7	30.7
Machine shops	33271	6.0	0.9	34.0	33.6
Turned product and screw, nut, and bolt manufacturing	33272	1.8	0.1	27.4	25.5
Coating, engraving, heat treating, and allied activities	3328	2.4	0.2	24.9	21.9
Machinery manufacturing	333	2.7	1.2	11.4	11.5
Agriculture, construction, and mining machinery manufacturing	3331	2.8	0.2	14.1	14.1
Mining and oil and gas field machinery manufacturing	33313	2.1	0.1	16.9	19.3
Industrial machinery manufacturing	3332	1.8	0.1	58.1	52.9
Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	3334	3.0	0.2	33.2	33.5

See footnotes at end of table.

Table 10. Incidence rate¹ and number of nonfatal occupational injuries by industry, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rate ¹	Number of cases (thousands)	Percent relative standard errors	
				Incidence rates	Numbers
Metalworking machinery manufacturing	3335	1.8	0.2	27.2	26.1
Metalworking machinery manufacturing	33351	1.8	0.2	27.2	26.1
Special die and tool, die set, jig, and fixture manufacturing	333514	1.2	(⁸)	29.8	24.7
Engine, turbine, and power transmission equipment manufacturing	3336	3.2	0.1	15.6	15.7
Other general purpose machinery manufacturing	3339	3.5	0.4	23.0	24.6
Computer and electronic product manufacturing	334	0.9	0.3	18.2	17.5
Communications equipment manufacturing	3342	1.9	0.1	4.9	8.2
Semiconductor and other electronic component manufacturing	3344	0.9	0.1	30.1	30.4
Navigational, measuring, electromedical, and control instruments manufacturing	3345	0.8	0.1	35.9	35.0
Electrical equipment, appliance, and component manufacturing	335	5.1	1.3	23.5	21.8
Transportation equipment manufacturing	336	4.0	1.5	9.8	8.2
Motor vehicle body and trailer manufacturing	3362	8.5	0.5	15.9	15.4
Motor vehicle parts manufacturing	3363	4.0	0.3	20.9	21.2
Aerospace product and parts manufacturing	3364	2.5	0.2	14.1	15.1
Railroad rolling stock manufacturing	3365	1.9	0.1	23.9	21.4
Furniture and related product manufacturing	337	3.7	0.6	18.7	17.1
Household and institutional furniture and kitchen cabinet manufacturing	3371	3.9	0.4	22.3	20.9
Office furniture (including fixtures) manufacturing	3372	3.3	0.2	40.2	37.4
Other furniture related product manufacturing	3379	4.6	(⁸)	19.6	17.8
Miscellaneous manufacturing	339	2.9	0.7	23.3	24.1
Medical equipment and supplies manufacturing	3391	1.9	0.2	17.7	18.5
Other miscellaneous manufacturing	3399	4.0	0.5	30.7	35.5
Service-providing		3.0	100.5	2.7	2.5
Trade, transportation, and utilities⁷		3.5	32.1	3.8	3.7
Wholesale trade		2.4	5.0	10.1	9.5
Merchant wholesalers, durable goods	423	2.6	2.8	14.3	14.3

See footnotes at end of table.

Table 10. Incidence rate¹ and number of nonfatal occupational injuries by industry, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rate ¹	Number of cases (thousands)	Percent relative standard errors	
				Incidence rates	Numbers
Motor vehicle and motor vehicle parts and supplies merchant wholesalers	4231	3.6	0.5	26.8	28.7
Lumber and other construction materials merchant wholesalers	4233	2.9	0.3	39.3	39.4
Household appliances and electrical and electronic goods merchant wholesalers	4236	1.8	0.2	45.5	46.8
Hardware, and plumbing and heating equipment and supplies merchant wholesalers	4237	0.2	(⁸)	59.8	59.4
Machinery, equipment, and supplies merchant wholesalers	4238	3.6	0.9	25.0	25.9
Industrial machinery and equipment merchant wholesalers	42383	3.1	0.4	28.5	30.0
Miscellaneous durable goods merchant wholesalers	4239	3.4	0.3	42.2	40.9
Recyclable material merchant wholesalers	42393	4.7	0.2	46.8	46.3
Merchant wholesalers, nondurable goods	424	3.5	2.1	13.1	12.1
Grocery and related product merchant wholesalers	4244	5.7	1.3	16.9	16.6
Petroleum and petroleum products merchant wholesalers	4247	--	(⁸)	(¹⁰)	(¹⁰)
Beer, wine, and distilled alcoholic beverage merchant wholesalers	4248	9.6	0.4	18.2	18.8
Wholesale electronic markets and agents and brokers	425	0.3	0.1	41.5	42.0
Retail trade		3.6	16.3	5.6	5.7
Motor vehicle and parts dealers	441	3.8	2.8	14.3	14.4
Electronics and appliance stores	443	0.5	0.1	42.0	42.6
Building material and garden equipment and supplies dealers	444	5.1	1.9	16.9	16.9
Building material and supplies dealers	4441	5.4	1.7	17.3	17.3
Food and beverage stores	445	3.8	3.7	7.2	7.3
Gasoline stations	447	3.9	1.2	32.0	32.8
Sporting goods, hobby, book, and music stores	451	2.7	0.4	29.2	32.2
General merchandise stores	452	4.5	3.5	8.8	9.0
Department stores	4521	3.7	1.1	11.5	11.2
Other general merchandise stores	4529	5.0	2.4	11.7	12.1
Miscellaneous store retailers	453	3.9	0.8	33.0	35.4
Nonstore retailers	454	1.4	0.4	30.9	31.0
Transportation and warehousing⁷		4.8	10.5	5.3	5.2

See footnotes at end of table.

Table 10. Incidence rate¹ and number of nonfatal occupational injuries by industry, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rate ¹	Number of cases (thousands)	Percent relative standard errors	
				Incidence rates	Numbers
Air transportation	481	8.8	0.8	7.0	6.5
Truck transportation	484	4.3	3.0	10.0	10.0
General freight trucking	4841	4.2	2.2	10.4	10.6
General freight trucking, local	48411	4.3	0.6	17.7	17.3
General freight trucking, long-distance	48412	4.2	1.7	12.5	13.0
Specialized freight trucking	4842	4.4	0.8	24.9	23.8
Specialized freight (except used goods) trucking, local	48422	4.1	0.5	32.2	32.5
Specialized freight (except used goods) trucking, long-distance	48423	1.1	(⁸)	43.3	37.4
Transit and ground passenger transportation	485	3.0	0.6	20.7	22.2
School and employee bus transportation	4854	3.5	0.4	25.6	30.7
Support activities for transportation	488	2.0	0.3	38.6	40.1
Couriers and messengers	492	5.8	1.1	7.0	7.2
Warehousing and storage	493	6.0	4.3	9.5	9.1
Utilities		1.4	0.3	35.1	26.1
Utilities	221	1.4	0.3	35.1	26.1
Electric power generation, transmission and distribution	2211	0.7	0.1	39.0	37.3
Electric power generation	22111	0.7	0.1	48.1	39.1
Fossil fuel electric power generation	221112	1.4	(⁸)	48.5	47.4
Electric power transmission, control, and distribution	22112	0.7	0.1	58.8	59.4
Natural gas distribution	2212	2.2	0.1	49.1	49.0
Water, sewage and other systems	2213	5.6	0.1	55.8	50.4
Information		1.6	1.2	23.7	23.2
Information		1.6	1.2	23.7	23.2
Publishing industries (except internet)	511	1.1	0.2	36.7	38.4
Newspaper, periodical, book, and directory publishers	5111	1.5	0.2	39.1	40.9
Broadcasting (except internet)	515	1.3	0.1	46.0	46.9

See footnotes at end of table.

Table 10. Incidence rate¹ and number of nonfatal occupational injuries by industry, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rate ¹	Number of cases (thousands)	Percent relative standard errors	
				Incidence rates	Numbers
Telecommunications	517	2.7	0.7	28.5	28.5
Other information services	519	--	(⁸)	60.8	40.2
Finance, insurance, and real estate		1.4	4.0	22.5	21.4
Finance and insurance		0.7	1.6	20.5	19.1
Credit intermediation and related activities	522	0.8	0.7	36.6	34.0
Insurance carriers and related activities	524	0.5	0.6	22.7	23.0
Real estate and rental and leasing		4.3	2.4	35.2	33.3
Real estate	531	3.3	1.1	39.8	40.1
Lessors of real estate	5311	7.0	1.1	39.9	42.5
Professional and business services		1.2	8.5	9.6	8.8
Professional, scientific, and technical services		0.8	2.5	18.5	15.4
Professional, scientific, and technical services	541	0.8	2.5	18.5	15.4
Legal services	5411	0.4	0.2	53.2	55.1
Architectural, engineering, and related services	5413	0.5	0.3	30.0	31.0
Testing laboratories	54138	0.8	0.1	32.5	33.2
Computer systems design and related services	5415	--	(⁸)	19.4	19.1
Management, scientific, and technical consulting services	5416	0.4	0.2	42.2	39.8
Scientific research and development services	5417	0.4	0.1	35.5	35.3
Advertising, public relations, and related services	5418	0.5	0.1	45.9	44.3
Other professional, scientific, and technical services	5419	7.4	1.5	27.4	22.1
Veterinary services	54194	14.8	1.5	21.0	22.1
Management of companies and enterprises		0.5	0.6	20.9	20.5

See footnotes at end of table.

Table 10. Incidence rate¹ and number of nonfatal occupational injuries by industry, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rate ¹	Number of cases (thousands)	Percent relative standard errors	
				Incidence rates	Numbers
Administrative and support and waste management and remediation services		2.1	5.4	12.6	11.6
Administrative and support services	561	--	--	--	--
Business support services	5614	0.4	0.1	25.7	26.3
Investigation and security services	5616	1.7	0.5	41.0	41.2
Services to buildings and dwellings	5617	3.3	1.8	20.6	20.4
Janitorial services	56172	2.7	0.7	18.4	16.8
Landscaping services	56173	3.6	0.8	40.4	41.3
Waste management and remediation services	562	4.2	0.8	19.7	17.4
Waste collection	5621	3.8	0.3	34.5	36.0
Waste collection	56211	3.8	0.3	34.5	36.0
Solid waste collection	562111	4.0	0.3	36.4	37.4
Waste treatment and disposal	5622	8.5	0.3	19.9	15.6
Remediation and other waste management services	5629	1.8	0.1	36.5	28.7
Educational and health services		4.5	38.8	3.7	3.4
Educational services		1.8	2.3	13.4	9.7
Educational services	611	1.8	2.3	13.4	9.7
Elementary and secondary schools	6111	3.7	1.0	20.6	21.9
Colleges, universities, and professional schools	6113	1.6	1.3	4.6	3.9
Health care and social assistance		4.9	36.5	3.7	3.5
Ambulatory health care services	621	3.3	8.2	11.7	11.4
Offices of physicians	6211	2.3	2.1	23.9	23.9
Hospitals	622	5.7	12.2	0.5	0.4
Nursing and residential care facilities	623	7.7	12.3	6.2	5.7
Nursing care facilities (skilled nursing facilities)	6231	7.3	4.1	4.9	4.9

See footnotes at end of table.

Table 10. Incidence rate¹ and number of nonfatal occupational injuries by industry, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rate ¹	Number of cases (thousands)	Percent relative standard errors	
				Incidence rates	Numbers
Continuing care retirement communities and assisted living facilities for the elderly	6233	6.9	3.4	6.6	6.4
Social assistance	624	3.1	3.8	14.6	14.3
Vocational rehabilitation services	6243	3.1	0.3	37.1	34.9
Leisure, entertainment, and hospitality		4.1	12.9	9.3	9.7
Arts, entertainment, and recreation		6.0	2.6	32.0	36.1
Museums, historical sites, and similar institutions	712	4.0	0.2	25.0	24.3
Amusement, gambling, and recreation industries	713	3.8	1.1	12.3	13.4
Amusement parks and arcades	7131	6.0	0.3	4.1	2.7
Gambling industries	7132	2.9	0.2	0.7	0.7
Other amusement and recreation industries	7139	3.6	0.6	22.1	24.1
Accommodation and food services		3.8	10.3	8.5	8.1
Accommodation	721	4.2	1.9	11.7	11.5
Food services and drinking places	722	3.8	8.4	10.0	9.5
Restaurants and other eating places	7225	3.6	7.0	10.4	9.8
Other services (except public administration)		2.2	3.1	22.2	22.6
Other services (except public administration)		2.2	3.1	22.2	22.6
Repair and maintenance	811	3.0	1.5	33.9	34.4
Religious, grantmaking, civic, professional, and similar organizations	813	1.5	0.6	30.9	30.6
State and local government⁴		--	--	--	--
State government⁴		--	--	--	--

See footnotes at end of table.

Table 10. Incidence rate¹ and number of nonfatal occupational injuries by industry, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rate ¹	Number of cases (thousands)	Percent relative standard errors	
				Incidence rates	Numbers
Local government⁴		--	--	--	--
Service-providing		--	--	--	--
Trade, transportation, and utilities⁷		4.5	0.9	23.6	21.2
Utilities		--	--	--	--
Utilities	221	--	--	--	--
Water, sewage and other systems	2213	4.1	0.4	52.6	46.5

Table 10. Incidence rate¹ and number of nonfatal occupational injuries by industry, Pennsylvania, 2016

Industry ²	NAICS code ³	Incidence rate ¹	Number of cases (thousands)	Percent relative standard errors	
				Incidence rates	Numbers

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, November 08, 2017

Table 11. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry sector and case types, 2014-2016, Pennsylvania

Industry sector ²	Total recordable cases			Cases with days away from work, job transfer, or restriction									Other recordable cases		
				Total			Cases with days away from work ⁶			Cases with job transfer or restriction					
	2014	2015	2016	2014	2015	2016	2014	2015	2016	2014	2015	2016	2014	2015	2016
All industries including state and local government³	3.6	3.6	3.3	1.8	1.9	1.8	1.0	1.1	1.0	0.8	0.8	0.8	1.8	1.7	1.5
Private industry³	3.7	3.5	3.3	1.9	1.9	1.8	1.1	1.1	1.0	0.8	0.8	0.8	1.8	1.6	1.6
Goods-producing³	4.7	4.5	4.1	2.4	2.4	2.3	1.3	1.4	1.2	1.1	1.1	1.0	2.3	2.1	1.8
Natural resources and mining^{3,4}	4.9	3.9	3.3	3.0	2.2	1.7	1.8	1.3	1.0	1.2	0.9	0.7	2.0	1.6	1.6
Agriculture, forestry, fishing and hunting³	8.9	7.7	5.0	5.2	4.3	2.6	2.7	2.4	1.4	2.5	2.0	1.3	3.6	3.4	2.4
Mining, quarrying, and oil and gas extraction⁴	3.1	1.9	2.0	1.9	1.1	1.0	1.4	0.8	0.8	0.5	0.4	0.2	1.2	0.7	1.0
Construction	4.4	4.9	4.4	1.7	2.3	2.2	1.3	1.7	1.7	0.4	0.6	0.5	2.7	2.6	2.2
Manufacturing	4.7	4.4	4.0	2.6	2.5	2.3	1.3	1.2	1.1	1.3	1.2	1.3	2.1	1.9	1.7
Service-providing	3.4	3.3	3.2	1.7	1.8	1.6	1.0	1.0	0.9	0.8	0.8	0.7	1.7	1.5	1.5
Trade, transportation, and utilities⁵	4.1	4.1	3.6	2.5	2.6	2.3	1.4	1.4	1.2	1.1	1.2	1.1	1.6	1.6	1.3
Wholesale trade	3.4	3.8	2.5	2.1	2.2	1.7	1.2	1.1	1.0	0.9	1.0	0.7	1.3	1.7	0.8
Retail trade	4.2	3.9	3.6	2.4	2.2	2.1	1.3	1.2	1.1	1.1	1.0	1.1	1.9	1.7	1.5
Transportation and warehousing⁵	4.9	5.3	4.9	3.4	3.9	3.5	2.1	2.3	1.9	1.4	1.7	1.6	1.5	1.3	1.4
Utilities	1.9	1.5	1.4	1.0	1.1	0.8	0.2	0.8	0.5	0.7	0.3	0.3	0.9	0.4	0.6
Information	1.2	1.6	1.6	0.8	0.8	0.7	--	0.5	0.5	0.3	0.3	0.3	0.4	0.8	0.9
Finance, insurance, and real estate	0.8	1.4	1.4	0.3	0.6	0.8	0.2	0.4	0.8	0.1	--	(⁷)	0.5	0.7	0.6
Finance and insurance	0.6	0.7	0.7	0.1	0.2	0.4	0.1	0.1	0.4	(⁷)	(⁷)	(⁷)	0.5	0.5	0.3
Real estate and rental and leasing	1.4	4.3	4.3	0.9	2.5	2.6	0.4	1.7	2.5	0.5	--	0.1	0.6	1.7	--
Professional and business services	1.3	1.5	1.3	0.6	0.9	0.6	0.4	0.5	0.4	0.2	0.3	0.2	0.7	0.6	0.7
Professional, scientific, and technical services	0.7	0.9	0.8	0.2	0.5	0.2	0.1	0.3	0.1	0.1	0.1	0.1	0.5	0.4	0.7
Management of companies and enterprises	0.7	0.9	0.5	0.3	0.4	0.2	0.2	0.1	0.1	0.2	0.3	0.1	0.4	0.5	0.3
Administrative and support and waste management and remediation services	2.4	2.5	2.2	1.4	1.6	1.3	1.0	1.0	0.8	0.4	0.6	0.5	1.0	0.9	0.9
Educational and health services	4.8	4.8	4.7	2.3	2.3	2.2	1.1	1.2	1.0	1.2	1.1	1.1	2.5	2.5	2.5
Educational services	2.3	2.7	2.0	0.9	0.9	0.7	0.5	0.6	0.5	0.3	0.4	0.2	1.5	1.8	1.3
Health care and social assistance	5.3	5.1	5.1	2.6	2.5	2.4	1.2	1.2	1.1	1.4	1.3	1.3	2.7	2.6	2.7
Leisure, entertainment, and hospitality	4.7	3.5	4.3	2.0	1.5	1.7	1.4	1.1	1.0	0.5	0.4	0.7	2.8	2.0	2.6
Arts, entertainment, and recreation	6.4	5.8	6.3	3.6	2.5	4.0	--	1.5	1.0	0.6	1.0	--	2.8	3.3	2.2
Accommodation and food services	4.4	3.1	3.9	1.6	1.3	1.3	1.1	1.0	1.0	0.5	0.3	0.3	2.8	1.8	2.6
Other services (except public administration)	4.1	2.0	2.3	1.6	1.4	1.1	1.3	0.6	0.9	--	0.7	0.2	2.5	0.6	1.2
Other services (except public administration)	4.1	2.0	2.3	1.6	1.4	1.1	1.3	0.6	0.9	--	0.7	0.2	2.5	0.6	1.2
State and local government³	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
State government³	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Local government³	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 11. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry sector and case types, 2014-2016, Pennsylvania

Industry sector ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
		Total	Cases with days away from work ⁶	Cases with job transfer or restriction	
<p>¹ Incidence rates represent the number of injuries and illnesses per 100 full-time workers and were calculated as: $(N/EH) \times 200,000$ where</p> <p>N = number of injuries and illnesses 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).</p> <p>² <i>North American Industry Classification System</i> -- United States, 2012.</p> <p>³ Excludes farms with fewer than 11 employees.</p> <p>⁴ Data for mining (Sector 21 in the <i>North American Industry Classification System</i>, 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 OSHA made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.</p> <p>⁵ Data for employers in railroad transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.</p> <p>⁶ Days-away-from-work cases include those that result in days away from work with or without restricted work activity.</p> <p>⁷ Data too small to be displayed.</p> <p>NOTE: Because of rounding, components may not add to totals. Dash indicates data do not meet publication guidelines.</p> <p>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 08, 2017</p>					