

**Table 8. Incidence rates<sup>1</sup> of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016**

Industry <sup>2</sup>	NAICS code <sup>3</sup>	Incidence rates per 10,000 full-time workers <sup>1</sup>					
		Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
<b>All industries including state and local government<sup>4</sup></b>		13.0	2.5	0.8	0.1	1.8	7.7
<b>Private industry<sup>4</sup></b>		13.3	2.1	0.8	0.1	2.0	8.3
<b>Goods-producing<sup>4</sup></b>		21.7	3.5	0.4	--	7.4	9.9
<b>Natural resources and mining<sup>4,6</sup></b>		6.6	( <sup>5</sup> )	( <sup>5</sup> )	--	( <sup>5</sup> )	3.3
<b>Agriculture, forestry, fishing and hunting<sup>4</sup></b>		8.7	( <sup>5</sup> )	( <sup>5</sup> )	--	( <sup>5</sup> )	( <sup>5</sup> )
Crop production <sup>4</sup>	111	14.7	( <sup>5</sup> )	( <sup>5</sup> )	--	( <sup>5</sup> )	( <sup>5</sup> )
Animal production and aquaculture <sup>4</sup>	112	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
<b>Mining, quarrying, and oil and gas extraction<sup>6</sup></b>		( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Oil and gas extraction	211	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Mining (except oil and gas) <sup>7</sup>	212	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Support activities for mining	213	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
<b>Construction</b>		17.3	--	( <sup>5</sup> )	--	--	5.4
<b>Construction</b>		17.3	--	( <sup>5</sup> )	--	--	5.4
Construction of buildings	236	--	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	--
Heavy and civil engineering construction	237	22.2	--	( <sup>5</sup> )	( <sup>5</sup> )	--	11.1
Specialty trade contractors	238	20.7	--	( <sup>5</sup> )	--	--	--
<b>Manufacturing</b>		24.8	2.0	0.5	( <sup>5</sup> )	10.1	12.3
<b>Manufacturing</b>		24.8	2.0	0.5	( <sup>5</sup> )	10.1	12.3
Food manufacturing	311	64.3	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	24.5	37.1
Beverage and tobacco product manufacturing	312	--	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	--	--

See footnotes at end of table.

**Table 8. Incidence rates<sup>1</sup> of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016**

Industry <sup>2</sup>	NAICS code <sup>3</sup>	Incidence rates per 10,000 full-time workers <sup>1</sup>					
		Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
Textile mills	313	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Wood product manufacturing	321	8.4	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	7.8	( <sup>5</sup> )
Paper manufacturing	322	12.9	( <sup>5</sup> )	--	( <sup>5</sup> )	6.9	( <sup>5</sup> )
Printing and related support activities	323	28.1	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	17.5	10.7
Petroleum and coal products manufacturing	324	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Chemical manufacturing	325	13.8	( <sup>5</sup> )	--	( <sup>5</sup> )	--	( <sup>5</sup> )
Plastics and rubber products manufacturing	326	13.0	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	11.4	( <sup>5</sup> )
Nonmetallic mineral product manufacturing	327	16.1	--	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Primary metal manufacturing	331	16.4	--	( <sup>5</sup> )	( <sup>5</sup> )	6.8	7.4
Fabricated metal product manufacturing	332	20.5	3.0	( <sup>5</sup> )	( <sup>5</sup> )	11.4	6.1
Machinery manufacturing	333	12.0	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	--	6.1
Computer and electronic product manufacturing	334	15.3	--	--	( <sup>5</sup> )	--	--
Electrical equipment, appliance, and component manufacturing	335	22.4	--	--	( <sup>5</sup> )	--	19.4
Transportation equipment manufacturing	336	32.8	5.3	( <sup>5</sup> )	( <sup>5</sup> )	8.3	18.9
Furniture and related product manufacturing	337	47.1	9.5	( <sup>5</sup> )	( <sup>5</sup> )	14.1	23.6
Miscellaneous manufacturing	339	31.1	--	( <sup>5</sup> )	( <sup>5</sup> )	--	20.9
<b>Service-providing</b>		11.2	1.7	1.0	( <sup>5</sup> )	0.6	7.9
<b>Trade, transportation, and utilities<sup>8</sup></b>		10.9	1.5	0.7	( <sup>5</sup> )	1.3	7.5
<b>Wholesale trade</b>		12.6	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	12.1
Merchant wholesalers, durable goods	423	9.5	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	9.1
Merchant wholesalers, nondurable goods	424	7.6	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	--
Wholesale electronic markets and agents and brokers	425	--	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	--
<b>Retail trade</b>		9.3	2.6	1.0	( <sup>5</sup> )	( <sup>5</sup> )	5.7
Motor vehicle and parts dealers	441	--	( <sup>5</sup> )	--	( <sup>5</sup> )	( <sup>5</sup> )	--
Electronics and appliance stores	443	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Building material and garden equipment and supplies dealers	444	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Food and beverage stores	445	--	--	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Health and personal care stores	446	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )

See footnotes at end of table.

**Table 8. Incidence rates<sup>1</sup> of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016**

Industry <sup>2</sup>	NAICS code <sup>3</sup>	Incidence rates per 10,000 full-time workers <sup>1</sup>					
		Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
Gasoline stations	447	--	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	--
Sporting goods, hobby, book, and music stores	451	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
General merchandise stores	452	30.0	( <sup>5</sup> )	2.1	( <sup>5</sup> )	( <sup>5</sup> )	--
Miscellaneous store retailers	453	--	--	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Nonstore retailers	454	--	( <sup>5</sup> )	--	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
<b>Transportation and warehousing<sup>8</sup></b>		13.9	( <sup>5</sup> )	0.8	( <sup>5</sup> )	5.2	7.5
Air transportation	481	54.0	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	33.8	( <sup>5</sup> )
Truck transportation	484	2.7	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	2.7
Transit and ground passenger transportation	485	--	( <sup>5</sup> )	--	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Support activities for transportation	488	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Couriers and messengers	492	37.3	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	35.7
Warehousing and storage	493	9.2	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	8.1
<b>Utilities</b>		( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Utilities	221	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
<b>Information</b>		--	--	( <sup>5</sup> )	( <sup>5</sup> )	--	( <sup>5</sup> )
<b>Information</b>		--	--	( <sup>5</sup> )	( <sup>5</sup> )	--	( <sup>5</sup> )
Publishing industries (except internet)	511	--	--	( <sup>5</sup> )	( <sup>5</sup> )	--	( <sup>5</sup> )
Broadcasting (except internet)	515	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Telecommunications	517	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Other information services	519	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
<b>Finance, insurance, and real estate</b>		3.3	--	--	( <sup>5</sup> )	( <sup>5</sup> )	1.6
<b>Finance and insurance</b>		3.5	--	--	( <sup>5</sup> )	( <sup>5</sup> )	2.0
Credit intermediation and related activities	522	--	( <sup>5</sup> )	--	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Insurance carriers and related activities	524	4.3	--	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	4.0

See footnotes at end of table.

**Table 8. Incidence rates<sup>1</sup> of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016**

Industry <sup>2</sup>	NAICS code <sup>3</sup>	Incidence rates per 10,000 full-time workers <sup>1</sup>					
		Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
<b>Real estate and rental and leasing</b>		--	--	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Real estate	531	--	--	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
<b>Professional and business services</b>		6.4	0.7	0.3	( <sup>5</sup> )	--	4.4
<b>Professional, scientific, and technical services</b>		4.5	( <sup>5</sup> )	--	( <sup>5</sup> )	( <sup>5</sup> )	4.2
Professional, scientific, and technical services	541	4.5	( <sup>5</sup> )	--	( <sup>5</sup> )	( <sup>5</sup> )	4.2
<b>Management of companies and enterprises</b>		2.5	( <sup>5</sup> )	--	( <sup>5</sup> )	( <sup>5</sup> )	--
<b>Administrative and support and waste management and remediation services</b>		10.5	1.6	( <sup>5</sup> )	( <sup>5</sup> )	--	6.0
Waste management and remediation services	562	--	--	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
<b>Educational and health services</b>		18.9	2.8	1.8	( <sup>5</sup> )	( <sup>5</sup> )	14.2
<b>Educational services</b>		11.5	( <sup>5</sup> )	--	( <sup>5</sup> )	( <sup>5</sup> )	5.9
Educational services	611	11.5	( <sup>5</sup> )	--	( <sup>5</sup> )	( <sup>5</sup> )	5.9
<b>Health care and social assistance</b>		20.2	3.1	1.5	( <sup>5</sup> )	( <sup>5</sup> )	15.6
Ambulatory health care services	621	13.0	0.9	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	11.6
Hospitals	622	23.1	3.4	2.8	( <sup>5</sup> )	( <sup>5</sup> )	16.9
Nursing and residential care facilities	623	25.6	5.2	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	19.5
Social assistance	624	22.8	4.5	1.8	( <sup>5</sup> )	( <sup>5</sup> )	16.5
<b>Leisure, entertainment, and hospitality</b>		13.5	3.7	1.2	( <sup>5</sup> )	( <sup>5</sup> )	8.6

See footnotes at end of table.

**Table 8. Incidence rates<sup>1</sup> of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016**

Industry <sup>2</sup>	NAICS code <sup>3</sup>	Incidence rates per 10,000 full-time workers <sup>1</sup>					
		Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses
<b>Arts, entertainment, and recreation</b>		22.0	6.0	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	15.4
Museums, historical sites, and similar institutions	712	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Amusement, gambling, and recreation industries	713	24.4	7.7	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	15.8
<b>Accommodation and food services</b>		12.2	3.3	1.4	( <sup>5</sup> )	( <sup>5</sup> )	7.5
Accommodation	721	21.9	5.0	--	( <sup>5</sup> )	( <sup>5</sup> )	14.5
Food services and drinking places	722	10.3	--	1.2	( <sup>5</sup> )	( <sup>5</sup> )	6.2
<b>Other services (except public administration)</b>		5.7	--	( <sup>5</sup> )	( <sup>5</sup> )	--	4.0
<b>Other services (except public administration)</b>		5.7	--	( <sup>5</sup> )	( <sup>5</sup> )	--	4.0
Repair and maintenance	811	--	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	--	( <sup>5</sup> )
Religious, grantmaking, civic, professional, and similar organizations	813	6.9	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	6.9
<b>State and local government<sup>4</sup></b>		--	--	--	--	--	--
<b>State government<sup>4</sup></b>		--	--	--	--	--	--
<b>Local government<sup>4</sup></b>		--	--	--	--	--	--
<b>Service-providing</b>		--	--	--	--	--	--
<b>Trade, transportation, and utilities<sup>8</sup></b>		--	--	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	--
<b>Utilities</b>		--	--	--	--	--	--

See footnotes at end of table.

**Table 8. Incidence rates<sup>1</sup> of nonfatal occupational illnesses by selected industries and category of illness, Pennsylvania, 2016**

Industry <sup>2</sup>	NAICS code <sup>3</sup>	Incidence rates per 10,000 full-time workers <sup>1</sup>					
		Total cases	Skin disorders	Respiratory conditions	Poisonings	Hearing loss	All other illnesses

<sup>1</sup> 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).

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

<sup>3</sup> *North American Industry Classification System* -- United States, 2012.

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

<sup>5</sup> Data too small to be displayed.

<sup>6</sup> 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.

<sup>7</sup> Data for mining operators in this industry are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

<sup>8</sup> 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