

TABLE 1. Incidence rates<sup>1</sup> of nonfatal occupational injuries and illnesses by industry and case types, Michigan, 2019

Industry <sup>2</sup>	NAICS code <sup>3</sup>	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work <sup>4</sup>	Cases with job transfer or restriction	
All industries including private, state and local government <sup>5</sup>		2.9	1.5	0.8	0.7	1.5
Private industry <sup>5</sup>		2.8	1.4	0.7	0.7	1.4
Goods-producing <sup>5</sup>		3.3	1.8	0.8	0.9	1.5
Natural resources and mining <sup>5,6</sup>		3.0	1.9	1.1	0.7	1.2
Agriculture, forestry, fishing and hunting <sup>5</sup>	11	3.4	2.0	1.2	0.8	1.3
Crop production <sup>5</sup>	111	3.6	2.2	0.7	1.6	1.4
Animal production and aquaculture <sup>5</sup>	112	4.6	2.5	2.1	0.4	2.1
Mining, quarrying, and oil and gas extraction <sup>6</sup>	21	1.5	1.1	0.9	-	0.4
Construction		2.6	1.2	0.9	0.3	1.4
Construction	23	2.6	1.2	0.9	0.3	1.4
Construction of buildings	236	2.0	0.8	0.6	0.2	1.2
Residential building construction	2361	1.2	0.4	0.3	-	0.8
Nonresidential building construction	2362	2.6	1.1	0.8	0.3	1.5
Heavy and civil engineering construction	237	2.9	1.5	0.9	0.7	1.4
Specialty trade contractors	238	2.7	1.3	0.9	0.3	1.4
Building equipment contractors	2382	2.2	1.0	0.5	0.5	1.2
Manufacturing		3.5	1.9	0.8	1.1	1.6
Manufacturing	31-33	3.5	1.9	0.8	1.1	1.6
Food manufacturing	311	3.8	2.7	1.3	1.4	1.1
Fruit and vegetable preserving and specialty food manufacturing	3114	3.5	2.5	1.2	1.4	1.0
Bakeries and tortilla manufacturing	3118	3.3	2.1	1.6	0.6	1.1

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Beverage and tobacco product manufacturing	312	3.6	3.1	0.6	2.5	0.5
Beverage manufacturing	3121	3.6	3.1	0.6	2.5	0.5
Wood product manufacturing	321	4.8	2.3	1.1	1.2	2.5
Paper manufacturing	322	2.2	1.3	0.8	0.5	0.9
Printing and related support activities	323	3.3	2.0	1.0	1.0	1.3
Chemical manufacturing	325	2.1	1.0	0.5	0.5	1.1
Pharmaceutical and medicine manufacturing	3254	1.8	1.2	0.5	0.8	0.6
Plastics and rubber products manufacturing	326	3.2	2.2	1.0	1.3	1.0
Nonmetallic mineral product manufacturing	327	3.7	2.6	1.0	1.6	1.1
Primary metal manufacturing	331	5.6	3.3	1.5	1.8	2.3
Iron and steel mills and ferroalloy manufacturing	3311	1.3	0.7	-	0.5	0.6
Foundries	3315	6.6	3.1	1.6	1.5	3.5
Fabricated metal product manufacturing	332	4.3	1.9	0.9	1.0	2.4
Architectural and structural metals manufacturing	3323	4.7	1.9	1.0	0.9	2.8
Machine shops; turned product; and screw, nut, and bolt manufacturing	3327	3.6	1.8	1.0	0.8	1.9
Coating, engraving, heat treating, and allied activities	3328	4.5	2.6	1.1	1.5	1.9
Other fabricated metal product manufacturing	3329	3.2	1.8	0.6	1.1	1.5

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Machinery manufacturing	333	3.4	1.5	0.7	0.8	1.9
Industrial machinery manufacturing	3332	3.4	1.6	1.5	-	1.8
Metalworking machinery manufacturing	3335	4.2	1.7	0.8	1.0	2.5
Other general purpose machinery manufacturing	3339	2.3	1.3	0.4	0.8	1.1
Computer and electronic product manufacturing	334	1.9	0.6	0.2	0.4	1.3
Semiconductor and other electronic component manufacturing	3344	1.3	0.7	0.3	-	0.7
Navigational, measuring, electromedical, and control instruments manufacturing	3345	2.7	0.5	-	0.4	2.2
Electrical equipment, appliance, and component manufacturing	335	1.9	1.1	0.6	0.5	0.8
Transportation equipment manufacturing	336	3.7	2.2	0.8	1.4	1.6
Motor vehicle manufacturing	3361	5.1	3.0	1.0	2.0	2.1
Motor vehicle body and trailer manufacturing	3362	4.7	2.6	0.8	1.8	2.1
Motor vehicle parts manufacturing	3363	3.4	2.0	0.7	1.2	1.4
Aerospace product and parts manufacturing	3364	2.6	1.4	0.5	0.9	1.2
Furniture and related product manufacturing	337	3.4	1.6	0.4	1.2	1.8
Household and institutional furniture and kitchen cabinet manufacturing	3371	3.4	1.8	0.5	1.3	1.6

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Office furniture (including fixtures) manufacturing	3372	3.3	1.5	0.3	1.2	1.8
Miscellaneous manufacturing	339	1.4	0.7	0.3	0.4	0.7
Medical equipment and supplies manufacturing	3391	1.7	1.0	0.2	0.7	0.7
Other miscellaneous manufacturing	3399	1.2	0.5	0.4	0.1	0.7
Service-providing		2.6	1.2	0.7	0.6	1.3
Trade, transportation, and utilities <sup>7</sup>		3.0	1.8	0.9	0.9	1.2
Wholesale trade	42	2.6	1.6	0.8	0.8	1.0
Merchant wholesalers, durable goods	423	2.2	1.3	0.6	0.7	1.0
Merchant wholesalers, nondurable goods	424	3.7	2.7	1.5	1.2	1.0
Wholesale electronic markets and agents and brokers	425	1.3	0.7	0.6	0.1	0.6
Retail trade	44-45	3.0	1.5	0.7	0.9	1.5
Motor vehicle and parts dealers	441	3.5	1.4	0.7	0.7	2.1
Automobile dealers	4411	3.0	1.1	0.7	0.4	1.8
Automotive parts, accessories, and tire stores	4413	3.9	1.7	1.0	0.7	2.2
Furniture and home furnishings stores	442	2.7	1.7	-	1.3	1.0
Building material and garden equipment and supplies dealers	444	4.2	1.9	1.0	1.0	2.3
Food and beverage stores	445	3.0	1.7	0.6	1.2	1.3
Grocery stores	4451	3.5	2.0	0.7	1.3	1.6
Gasoline stations	447	1.5	0.9	0.5	0.4	0.6
General merchandise stores	452	3.9	2.3	0.9	1.4	1.7

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Miscellaneous store retailers	453	1.3	0.7	0.1	-	0.6
Transportation and warehousing <sup>7</sup>	48-49	3.8	2.8	1.7	1.1	1.0
Air transportation	481	4.0	3.4	2.6	0.8	0.6
Truck transportation	484	3.0	2.1	1.4	0.7	1.0
Transit and ground passenger transportation	485	2.5	1.2	0.5	0.7	1.3
Support activities for transportation	488	3.2	1.9	0.7	1.2	1.3
Couriers and messengers	492	5.8	4.5	2.3	2.1	1.3
Warehousing and storage	493	6.0	5.1	3.1	2.0	0.8
Utilities	22	1.8	1.1	0.6	0.4	0.8
Utilities	221	1.8	1.1	0.6	0.4	0.8
Electric power generation, transmission and distribution	2211	1.8	1.1	0.7	0.4	0.6
Electric power transmission, control, and distribution	22112	2.7	1.9	1.2	-	0.8
Natural gas distribution	2212	1.0	0.7	-	-	-
Publishing industries (except internet)	511	0.7	0.4	0.2	0.2	0.2
Motion picture and sound recording industries	512	3.3	0.5	-	-	2.8
Finance, insurance, and real estate		0.9	0.4	0.2	0.2	0.5
Finance and insurance	52	0.4	0.1	0.1	(- <sup>8</sup> -)	0.3
Insurance carriers and related activities	524	0.6	0.1	0.1	(- <sup>8</sup> -)	0.5
Real estate and rental and leasing	53	2.5	1.4	0.8	0.6	1.1
Real estate	531	2.1	1.1	0.7	0.4	1.0
Rental and leasing services	532	-	2.5	1.3	-	1.5

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Professional and business services		1.5	0.7	0.5	0.2	0.7
Professional, scientific, and technical services	54	0.7	0.4	0.2	0.1	0.4
Management of companies and enterprises	55	0.5	0.2	0.1	0.1	0.3
Services to buildings and dwellings	5617	3.7	1.9	1.1	0.8	1.8
Educational and health services		4.1	1.7	0.9	0.8	2.4
Educational services	61	1.7	0.6	0.4	0.2	1.2
Educational services	611	1.7	0.6	0.4	0.2	1.2
Elementary and secondary schools	6111	1.6	0.5	0.3	0.2	1.1
Colleges, universities, and professional schools	6113	2.7	1.4	-	0.4	1.3
Health care and social assistance	62	4.3	1.8	0.9	0.9	2.5
Ambulatory health care services	621	2.3	0.9	0.7	0.2	1.4
Hospitals	622	6.1	2.3	1.1	1.2	3.8
Nursing and residential care facilities	623	5.8	2.9	1.1	1.8	2.8
Social assistance	624	2.6	1.4	0.8	0.6	1.2
Leisure, entertainment, and hospitality		2.8	1.1	0.7	0.4	1.8
Arts, entertainment, and recreation	71	2.5	1.4	0.8	0.6	1.1
Performing arts, spectator sports, and related industries	711	1.3	1.2	0.5	-	-
Amusement, gambling, and recreation industries	713	2.9	1.4	1.0	0.4	1.5
Accommodation and food services	72	2.9	1.0	0.7	0.4	1.8
Accommodation	721	3.4	1.7	0.6	1.1	1.7
Food services and drinking places	722	2.8	0.9	0.7	0.2	1.9

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Other services (except public administration)		2.0	0.6	0.3	0.3	-
Other services (except public administration)	81	2.0	0.6	0.3	0.3	-
Repair and maintenance	811	1.5	0.6	0.3	0.2	1.0
Personal and laundry services	812	1.3	0.8	0.3	0.5	0.4
State and local government <sup>5</sup>		4.4	2.1	1.0	1.0	2.3
State government <sup>5</sup>		3.3	1.8	0.7	1.1	1.5
Educational and health services		2.9	1.5	0.8	0.7	1.4
Educational services	61	1.9	1.1	0.4	0.6	0.8
Educational services	611	1.9	1.1	0.4	0.6	0.8
Health care and social assistance	62	5.4	2.5	1.8	0.7	2.9
Hospitals	622	6.6	2.9	1.9	1.0	3.8
Nursing and residential care facilities	623	10.8	8.5	7.8	-	2.4
Police protection	92212	52.8	37.9	2.0	35.8	14.9
Correctional institutions	92214	3.5	1.3	1.1	0.2	2.2
Local government <sup>5</sup>		4.9	2.2	1.2	1.0	2.7
Goods-producing <sup>5</sup>		7.9	4.9	4.3	0.6	3.0
Service-providing		4.9	2.1	1.1	1.0	2.7
Utilities	22	4.3	2.6	1.2	1.4	1.7
Utilities	221	4.3	2.6	1.2	1.4	1.7
Water, sewage and other systems	2213	2.2	1.7	-	-	-
Educational and health services		4.2	1.6	0.9	0.8	2.6
Educational services	61	3.5	1.3	0.8	0.5	2.2
Educational services	611	3.5	1.3	0.8	0.5	2.2
Elementary and secondary schools	6111	3.7	1.4	0.9	-	2.3
Health care and social assistance	62	8.9	3.7	1.3	2.4	5.2

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Hospitals	622	8.8	3.2	0.8	2.3	5.6
Nursing and residential care facilities	623	-	5.6	2.6	3.0	-
Public administration		6.0	2.9	1.4	1.5	3.1
Public administration	92	6.0	2.9	1.4	1.5	3.1

<sup>1</sup> The incidence rates represent the number of injuries and illnesses per 100 full-time equivalent workers and were calculated as:  $(N/EH) \times 200,000$ , N = number of injuries and 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)

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

<sup>3</sup> *North American Industry Classification System* -- United States, 2017

<sup>4</sup> Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

<sup>5</sup> Excludes farms with fewer than 11 employees.

<sup>6</sup> Data for Mining (Sector 21 in the *North American Industry Classification System* -- United States, 2017) include establishments not governed by the Health Administration rules and reporting, such as those in Oil and Gas Extraction and related support activities. Data for mining operators in coal, are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from industries. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements therefore, estimates for these industries are not comparable to estimates in other industries.

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

<sup>8</sup> 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