

TABLE 1. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, Michigan, 2022

Industry ²	NAICS Code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction	Cases with days away from work ⁴	Cases with job transfer or restriction	Other recordable cases
All Ownerships Combined ⁵		3.1	1.8	1.2	0.7	1.3
Private Industry ⁵		2.8	1.6	0.9	0.7	1.2
Goods producing ⁵	11-33, except 22	3.2	1.8	0.8	0.9	1.4
Natural resources and mining ^{5,6}	11-21	2.7	1.1	0.7	0.4	1.6
Agriculture, forestry, fishing and hunting ⁵	11	3.0	1.2	0.8	0.4	1.8
Crop production ⁵	111	3.0	1.4	0.7	0.7	1.6
Animal production and aquaculture ⁵	112	2.0	1.1	0.8	-	-
Mining, quarrying, and oil and gas extraction ⁷	21	1.1	0.6	0.3	(- ⁸ -)	0.5
Construction	23	2.1	1.2	0.9	0.3	0.8
Construction	23	2.1	1.2	0.9	0.3	0.8
Construction of buildings	236	2.5	1.6	-	0.3	-
Nonresidential building construction	2362	0.8	0.6	0.3	0.3	0.2
Heavy and civil engineering construction	237	0.9	0.6	0.4	0.2	0.3
Specialty trade contractors	238	2.1	1.2	0.9	0.3	0.9
Foundation, structure, and building exterior contractors	2381	1.9	1.0	0.7	-	0.9
Building equipment contractors	2382	2.2	1.5	1.2	0.3	0.7
Building finishing contractors	2383	2.4	1.1	1.0	-	1.3

Industry ²	NAICS Code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction	Cases with days away from work ⁴	Cases with job transfer or restriction	Other recordable cases
Manufacturing	31-33	3.5	2.0	0.8	1.2	1.5
Manufacturing	31-33	3.5	2.0	0.8	1.2	1.5
Food manufacturing	311	5.1	3.3	1.4	1.9	1.8
Fruit and vegetable preserving and specialty food manufacturing	3114	5.9	4.0	2.1	1.8	1.9
Bakeries and tortilla manufacturing	3118	3.4	2.3	1.1	1.3	1.1
Beverage and tobacco product manufacturing	312	3.5	2.6	0.8	1.8	0.9
Wood product manufacturing	321	5.8	3.9	1.4	2.5	1.9
Paper manufacturing	322	3.0	1.6	0.8	0.8	1.4
Printing and related support activities	323	1.5	1.0	0.4	0.6	0.6
Chemical manufacturing	325	1.6	0.9	0.4	0.5	0.7
Resin, synthetic rubber, and artificial and synthetic fibers and filaments manufacturing	3252	0.9	0.6	0.4	(- ⁸ -)	0.3
Pharmaceutical and medicine manufacturing	3254	1.4	0.7	0.3	0.4	0.7
Plastics and rubber products manufacturing	326	4.3	2.7	1.3	1.4	1.7
Nonmetallic mineral product manufacturing	327	4.9	2.7	1.5	1.2	2.1
Primary metal manufacturing	331	4.1	2.3	1.1	1.2	1.8
Iron and steel mills and ferroalloy manufacturing	3311	2.5	1.4	0.7	0.7	1.0
Foundries	3315	5.0	2.6	1.4	1.2	2.4
Fabricated metal product manufacturing	332	4.7	2.3	1.3	1.0	2.4

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Architectural and structural metals manufacturing	3323	2.4	1.6	1.2	0.5	0.8
Machine shops; turned product; and screw, nut, and bolt manufacturing	3327	6.5	2.3	-	0.7	4.2
Coating, engraving, heat treating, and allied activities	3328	5.0	3.1	1.3	1.9	1.9
Other fabricated metal product manufacturing	3329	3.1	1.9	0.9	1.0	1.2
Machinery manufacturing	333	2.9	1.3	0.7	0.6	1.6
Industrial machinery manufacturing	3332	4.3	3.3	2.3	1.0	1.0
Metalworking machinery manufacturing	3335	2.7	0.9	0.4	0.5	1.8
Other general purpose machinery manufacturing	3339	3.3	1.3	0.7	0.6	2.1
Computer and electronic product manufacturing	334	0.8	0.2	0.1	0.1	0.6
Semiconductor and other electronic component manufacturing	3344	0.7	(⁸ -)	(⁸ -)	(⁸ -)	0.6
Navigational, measuring, electromedical, and control instruments manufacturing	3345	1.1	0.4	0.2	0.2	0.7
Electrical equipment, appliance, and component manufacturing	335	2.4	0.9	0.6	0.3	1.5
Transportation equipment manufacturing	336	3.7	2.3	0.7	1.6	1.4
Motor vehicle manufacturing	3361	4.1	3.0	0.5	2.5	1.1
Motor vehicle body and trailer manufacturing	3362	4.3	2.9	1.3	1.6	1.4
Motor vehicle parts manufacturing	3363	3.5	2.1	0.7	1.4	1.4
Aerospace product and parts manufacturing	3364	2.1	0.9	0.6	(⁸ -)	1.2
Furniture and related product manufacturing	337	3.7	1.9	0.4	1.5	1.8

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Household and institutional furniture and kitchen cabinet manufacturing	3371	3.9	1.9	0.4	1.5	2.0
Office furniture (including fixtures) manufacturing	3372	3.7	1.9	0.4	1.5	1.8
Miscellaneous manufacturing	339	-	0.9	0.4	0.5	-
Other miscellaneous manufacturing	3399	-	1.4	0.6	0.8	-
Service providing	22, 42-92	2.6	1.5	1.0	0.6	1.1
Trade, transportation, and utilities ⁹	42, 44-45, 48-49, 22	3.2	2.1	1.2	0.9	1.1
Wholesale trade	42	2.4	1.3	0.6	0.7	1.0
Merchant wholesalers, durable goods	423	2.3	1.1	0.5	0.6	1.2
Merchant wholesalers, nondurable goods	424	3.0	2.1	1.0	1.1	1.0
Retail trade	44-45	2.9	1.8	1.0	0.7	1.2
Motor vehicle and parts dealers	441	2.8	1.2	0.6	0.5	1.6
Automobile dealers	4411	2.2	0.9	0.5	0.4	1.3
Automotive parts, accessories, and tire stores	4413	3.2	1.5	0.8	0.7	1.6
Furniture and home furnishings stores	442	2.0	1.5	1.1	0.4	0.5
Electronics and appliance stores	443	2.5	2.3	2.3	-	-
Building material and garden equipment and supplies dealers	444	3.6	2.0	0.9	1.1	1.5
Food and beverage stores	445	2.5	1.6	1.1	0.5	1.0

Industry ²	NAICS Code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction	Cases with days away from work ⁴	Cases with job transfer or restriction	Other recordable cases
Grocery stores	4451	3.1	1.9	1.3	0.5	1.2
Health and personal care stores	446	3.1	1.7	1.6	-	1.4
Gasoline stations	447	2.1	1.2	0.5	0.7	0.9
Sporting goods, hobby, musical instrument, and book stores	451	2.7	1.9	0.7	1.2	-
General merchandise stores	452	4.0	2.9	1.5	1.3	1.2
Miscellaneous store retailers	453	2.2	1.4	0.9	-	-
Transportation and warehousing ^{9,10}	48-49	5.2	4.1	2.3	1.8	1.1
Air transportation	481	4.3	3.8	3.1	0.6	0.5
Truck transportation	484	4.8	3.7	2.6	1.0	1.1
Transit and ground passenger transportation	485	3.8	1.6	1.2	0.4	2.2
Support activities for transportation	488	2.5	1.5	1.2	0.3	1.0
Couriers and messengers	492	11.0	8.4	3.5	4.9	2.6
Utilities	22	1.1	0.5	0.2	0.3	0.6
Utilities	221	1.1	0.5	0.2	0.3	0.6
Electric power generation, transmission and distribution	2211	1.0	0.4	0.2	0.2	0.6
Electric power transmission, control, and distribution	22112	1.3	0.6	0.4	-	0.6
Information	51	0.8	0.4	0.4	0.1	0.3
Information	51	0.8	0.4	0.4	0.1	0.3
Finance, insurance, and real estate	52-53	1.0	0.5	0.3	0.1	0.5

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Finance and insurance	52	0.4	0.1	0.1	0.0 ¹¹	0.2
Insurance carriers and related activities	524	0.1	0.0 ¹¹	(- ⁸ -)	(- ⁸ -)	0.1
Real estate and rental and leasing	53	2.9	1.4	1.0	0.5	-
Real estate	531	2.6	1.0	0.5	0.4	-
Rental and leasing services	532	4.2	4.0	3.2	-	0.2
Professional and business services	54-56	1.1	0.7	0.4	0.3	0.5
Professional, scientific, and technical services	54	0.6	0.3	0.1	0.1	0.3
Management of companies and enterprises	55	0.4	0.4	0.3	0.1	0.0 ¹¹
Administrative and support and waste management and remediation services	56	2.7	1.6	1.0	0.6	1.1
Administrative and support services	561	2.3	1.3	0.9	0.5	1.0
Services to buildings and dwellings	5617	3.2	1.5	0.9	0.6	1.7
Waste management and remediation services	562	6.0	4.1	2.0	2.1	1.9
Educational and health services	61-62	4.4	2.5	1.9	0.6	1.9
Educational services	61	1.4	0.6	0.2	-	0.7
Educational services	611	1.4	0.6	0.2	-	0.7
Elementary and secondary schools	6111	1.3	0.5	0.3	0.2	0.8
Colleges, universities, and professional schools	6113	1.1	0.3	0.2	(- ⁸ -)	0.8
Health care and social assistance	62	4.7	2.7	2.0	0.6	2.0
Ambulatory health care services	621	3.2	1.7	1.4	0.3	1.5

Industry ²	NAICS Code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction	Cases with days away from work ⁴	Cases with job transfer or restriction	Other recordable cases
Hospitals	622	6.1	3.1	2.2	0.8	3.0
Nursing and residential care facilities	623	7.2	5.3	4.2	1.2	1.9
Social assistance	624	2.1	1.0	0.6	0.5	1.1
Leisure, entertainment, and hospitality	71-72	2.7	1.2	0.7	0.5	1.5
Arts, entertainment, and recreation	71	-	-	-	-	-
Amusement, gambling, and recreation industries	713	1.8	1.0	0.9	-	0.8
Accommodation and food services	72	2.5	1.0	0.6	0.4	1.5
Accommodation	721	2.9	1.6	0.8	0.8	1.3
Food services and drinking places	722	2.4	0.9	0.6	0.3	1.5
Other services (except public administration)	81	1.7	0.8	0.7	0.2	0.9
Other services (except public administration)	81	1.7	0.8	0.7	0.2	0.9
Repair and maintenance	811	1.5	1.1	0.9	0.1	0.4
Personal and laundry services	812	1.7	0.8	0.5	-	1.0
Religious, grantmaking, civic, professional, and similar organizations	813	2.1	0.5	0.3	0.2	-
State and Local Government ⁵		5.9	3.5	2.8	0.6	2.4
State Government ⁵		5.8	4.4	4.0	0.4	1.4
Service providing	22, 42-92	5.8	4.4	4.0	0.4	1.4
Educational and health services	61-62	3.4	1.8	1.4	0.4	1.6
Educational services	61	1.9	0.8	0.4	0.4	1.1

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Educational services	611	1.9	0.8	0.4	0.4	1.1
Colleges, universities, and professional schools	6113	1.9	0.8	0.4	0.4	1.1
Health care and social assistance	62	7.0	4.4	3.9	0.5	2.6
Hospitals	622	8.1	4.6	3.9	0.7	3.5
Public administration	92	12.8	11.6	11.3	0.4	1.1
Public administration	92	12.8	11.6	11.3	0.4	1.1
Justice, public order, and safety activities	922	28.9	26.4	25.7	0.8	2.4
Justice, public order, and safety activities	9221	28.9	26.4	25.7	0.8	2.4
Police protection	92212	3.4	1.9	-	0.9	1.5
Correctional institutions	92214	41.5	38.3	37.4	0.9	3.2
Local Government ⁵		6.0	3.1	2.3	0.7	2.9
Goods producing ⁵	11-33, except 22	7.4	4.6	2.6	-	-
Service providing	22, 42-92	5.9	3.1	2.3	0.7	2.9
Trade, transportation, and utilities	42, 44-45, 48-49, 22	-	-	-	-	-
Utilities	22	3.9	2.2	0.9	1.3	1.7
Utilities	221	3.9	2.2	0.9	1.3	1.7
Water, sewage and other systems	2213	2.9	1.5	(⁻⁸ -)	(⁻⁸ -)	1.4
Educational and health services	61-62	5.2	2.3	-	0.3	2.9

Industry ²	NAICS Code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction	Cases with days away from work ⁴	Cases with job transfer or restriction	Other recordable cases
Health care and social assistance	62	6.2	2.6	1.4	1.2	3.6
Hospitals	622	7.1	2.2	1.2	0.9	5.0
Nursing and residential care facilities	623	7.8	4.8	2.6	2.2	3.0
Public administration	92	7.6	4.6	3.0	-	3.0
Public administration	92	7.6	4.6	3.0	-	3.0

¹The incidence rates represent the number of injuries and illnesses per 100 full-time equivalent 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 full-time equivalent workers (working 40 hours per week, 50 weeks per year)

²Totals include data for industries not shown separately.

³North American Industry Classification System -- United States, 2017

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

⁵Excludes farms with fewer than 11 employees.

⁶Data 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.

Industry ²	NAICS Code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction	Cases with days away from work ⁴	Cases with job transfer or restriction	Other recordable cases
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⁷Data for Mining (Sector 21 in the *North American Industry Classification System* -- United States, 2017) include establishments not governed by the Mine Safety and Health Administration 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.

⁸Less than 15 cases

⁹Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

¹⁰Relative standard errors were not calculated for mining, except oil and gas (NAICS 212), and rail transportation (NAICS 482).

¹¹Data 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