

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2012

Michigan

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		4.1	2.0	1.0	1.0	2.1
Private industry⁵		4.0	2.0	1.0	1.0	2.0
Goods-producing⁵		5.6	2.9	1.4	1.6	2.6
Natural resources and mining^{5,6}		3.7	1.6	0.9	0.7	2.1
Agriculture, forestry, fishing and hunting⁵	11	3.9	1.6	0.8	0.8	2.3
Crop production (scope changed in 2009) ⁵	111	2.9	1.2	0.5	0.7	1.7
Animal production (scope changed in 2009) ⁵	112	5.9	2.6	1.6	1.0	3.3
Mining⁶	21	3.0	1.7	1.0	0.6	1.3
Construction		5.0	2.7	1.9	0.9	2.2
Construction	23	5.0	2.7	1.9	0.9	2.2
Heavy and civil engineering construction	237	3.9	2.3	1.6	0.8	1.6
Highway, street, and bridge construction	2373	4.4	2.7	2.2	0.5	1.7
Specialty trade contractors	238	5.5	3.0	2.0	--	2.5
Foundation, structure, and building exterior contractors	2381	8.4	3.7	1.6	2.2	4.7
Structural steel and precast concrete contractors	23812	11.2	9.4	(⁹)	9.4	--
Masonry contractors	23814	4.7	1.7	1.7	(⁹)	3.0
Glass and glazing contractors	23815	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Roofing contractors	23816	4.5	1.7	1.0	0.7	2.8
Siding contractors	23817	10.3	10.3	9.1	--	(⁹)
Electrical contractors	23821	2.4	1.1	1.1	0.1	1.3
Other building equipment contractors	23829	1.2	0.8	--	--	0.4
Building finishing contractors	2383	1.2	0.9	--	0.5	0.3
Manufacturing		5.8	3.1	1.3	1.8	2.8

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2012 -- Continued

Michigan

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	31-33	5.8	3.1	1.3	1.8	2.8
Food manufacturing	311	5.5	3.1	1.3	1.8	2.4
Animal food manufacturing	3111	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Grain and oilseed milling	3112	4.9	2.3	1.4	0.9	2.6
Fruit and vegetable preserving and specialty food manufacturing	3114	7.6	4.5	2.1	2.4	3.2
Dairy product manufacturing	3115	5.2	2.5	1.6	0.9	2.6
Animal slaughtering and processing	3116	5.8	3.9	1.1	2.9	1.9
Bakeries and tortilla manufacturing	3118	3.5	1.7	0.6	1.1	1.8
Beverage and tobacco product manufacturing	312	13.2	8.4	2.9	5.5	4.8
Beverage manufacturing	3121	13.2	8.4	2.9	5.5	4.8
Textile product mills (scope changed in 2009)	314	2.7	2.0	1.0	1.0	0.7
Textile furnishings mills	3141	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Other textile product mills (scope changed in 2009)	3149	3.2	2.3	1.2	1.1	(⁹)
Wood product manufacturing	321	7.4	5.1	3.5	1.6	2.3
Paper manufacturing	322	4.7	3.0	1.8	1.3	1.7
Printing and related support activities	323	3.1	1.4	0.6	0.8	--
Printing and related support activities	3231	3.1	1.4	0.6	0.8	--
Printing	32311	3.1	1.3	0.5	0.8	--
Commercial lithographic printing	323110	2.0	1.5	0.5	1.0	0.6
Commercial gravure printing	323111	6.6	(⁹)	(⁹)	(⁹)	4.6
Chemical manufacturing	325	2.6	1.6	0.8	0.8	1.0
Basic chemical manufacturing	3251	1.4	(⁹)	(⁹)	(⁹)	1.0
Other basic organic chemical manufacturing	32519	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
All other basic organic chemical manufacturing	325199	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Pharmaceutical and medicine manufacturing	3254	1.8	1.0	0.6	0.4	0.8
Soap, cleaning compound, and toilet preparation manufacturing	3256	2.1	1.3	0.4	0.9	0.8
Plastics and rubber products manufacturing (scope changed in 2009)	326	6.3	4.2	1.3	2.9	2.1
Nonmetallic mineral product manufacturing	327	5.2	2.4	1.3	1.1	2.7
Cement and concrete product manufacturing	3273	4.2	1.6	1.6	(⁹)	2.5
Primary metal manufacturing	331	10.1	5.4	3.2	2.1	4.8
Iron and steel mills and ferroalloy manufacturing	3311	3.1	2.0	0.7	1.3	1.1
Iron and steel mills and ferroalloy manufacturing	33111	3.1	2.0	0.7	1.3	1.1
Iron and steel mills	331111	3.1	2.0	0.7	1.3	1.1
Steel product manufacturing from purchased steel	3312	10.8	4.6	2.5	2.2	6.2

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2012 -- Continued

Michigan

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
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Nonferrous metal (except aluminum) production and processing	3314	8.9	3.2	1.5	1.7	5.6
Foundries	3315	14.8	8.1	--	2.7	6.7
Fabricated metal product manufacturing	332	6.4	3.2	1.6	1.6	3.2
Forging and stamping	3321	8.9	4.6	1.7	2.9	4.3
Forging and stamping	33211	8.9	4.6	1.7	2.9	4.3
Metal stamping	332116	9.3	4.3	2.3	2.0	5.0
Architectural and structural metals manufacturing	3323	8.4	4.8	2.3	2.5	3.6
Ornamental and architectural metal products manufacturing	33232	7.7	5.1	2.2	2.8	2.6
Sheet metal work manufacturing	332322	10.3	6.5	2.5	4.0	3.8
Hardware manufacturing	3325	5.7	1.6	1.1	(⁹)	4.1
Spring and wire product manufacturing	3326	3.1	0.7	(⁹)	--	2.4
Machine shops; turned product; and screw, nut, and bolt manufacturing	3327	6.3	2.7	1.6	1.1	3.7
Machine shops	33271	6.7	2.3	1.5	0.8	4.4
Turned product and screw, nut, and bolt manufacturing	33272	5.4	3.5	1.8	1.8	1.9
Precision turned product manufacturing	332721	4.8	2.6	1.7	0.9	2.1
Bolt, nut, screw, rivet, and washer manufacturing	332722	6.1	4.4	1.8	2.6	1.7
Coating, engraving, heat treating, and allied activities	3328	5.7	2.9	1.6	1.3	2.8
Coating, engraving, heat treating, and allied activities	33281	5.7	2.9	1.6	1.3	2.8
Metal heat treating	332811	8.3	4.4	3.7	--	3.9
Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers	332812	3.8	3.1	0.8	2.3	0.7
Electroplating, plating, polishing, anodizing, and coloring	332813	6.0	2.0	1.2	0.8	4.0
Other fabricated metal product manufacturing	3329	6.3	4.0	1.7	2.2	2.3
Machinery manufacturing (scope changed in 2009)	333	5.4	3.0	1.0	2.0	2.4
Agriculture, construction, and mining machinery manufacturing	3331	8.4	3.0	1.4	1.6	5.4
Industrial machinery manufacturing (scope changed in 2009)	3332	1.9	1.0	1.0	(⁹)	0.9
Metalworking machinery manufacturing	3335	5.7	2.9	0.8	2.1	2.7
Metalworking machinery manufacturing	33351	5.7	2.9	0.8	2.1	2.7
Industrial mold manufacturing	333511	8.2	2.9	1.6	1.3	5.2
Machine tool (metal cutting types) manufacturing	333512	3.5	0.9	0.7	(⁹)	2.5
Special die and tool, die set, jig, and fixture manufacturing	333514	6.4	4.1	0.8	3.3	2.2
Other general purpose machinery manufacturing (scope changed in 2009)	3339	5.3	3.8	1.0	2.9	1.5
Computer and electronic product manufacturing	334	2.2	0.7	0.3	0.4	1.5
Computer and peripheral equipment manufacturing	3341	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Navigational, measuring, electromedical, and control instruments manufacturing (scope changed in 2009)	3345	1.9	0.3	0.2	--	1.6

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Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2012 -- Continued

Michigan

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	
Electrical equipment, appliance, and component manufacturing	335	4.2	2.5	1.4	1.1	1.7
Transportation equipment manufacturing (scope changed in 2009)	336	7.0	3.4	1.2	2.2	3.7
Motor vehicle manufacturing	3361	9.5	4.6	1.9	2.7	4.9
Motor vehicle body and trailer manufacturing	3362	6.6	4.1	1.6	2.5	2.5
Motor vehicle body and trailer manufacturing	33621	6.6	4.1	1.6	2.5	2.5
Motor vehicle body manufacturing	336211	5.9	3.3	1.2	2.1	2.5
Motor vehicle parts manufacturing	3363	6.3	3.0	1.0	2.0	3.3
Motor vehicle gasoline engine and engine parts manufacturing	33631	5.0	2.2	0.7	1.5	2.8
Motor vehicle metal stamping	33637	7.8	3.4	0.9	2.6	4.4
Other motor vehicle parts manufacturing	33639	7.1	4.0	1.4	2.6	3.1
Aerospace product and parts manufacturing	3364	3.2	1.1	0.7	(⁹)	2.1
Furniture and related product manufacturing (scope changed in 2009)	337	4.6	1.6	0.7	0.8	3.1
Household and institutional furniture and kitchen cabinet manufacturing (scope changed in 2009)	3371	7.4	2.7	1.4	1.3	4.8
Office furniture (including fixtures) manufacturing	3372	3.8	1.1	0.5	0.6	2.7
Office furniture (including fixtures) manufacturing	33721	3.8	1.1	0.5	0.6	2.7
Office furniture (except wood) manufacturing	337214	3.2	1.2	0.5	0.7	2.0
Showcase, partition, shelving, and locker manufacturing	337215	8.4	1.2	0.7	(⁹)	7.2
Other furniture related product manufacturing	3379	5.0	4.8	(⁹)	(⁹)	(⁹)
Miscellaneous manufacturing	339	2.6	1.5	0.4	1.1	1.0
Medical equipment and supplies manufacturing	3391	2.7	1.6	0.5	1.1	1.1
Other miscellaneous manufacturing	3399	2.4	1.4	0.4	1.1	1.0
Service-providing		3.5	1.6	0.9	0.7	1.8
Trade, transportation, and utilities⁸		4.0	2.2	1.2	1.0	1.8
Wholesale trade	42	4.0	1.9	1.2	0.8	2.1
Merchant wholesalers, durable goods	423	3.2	1.4	0.6	0.7	1.9
Merchant wholesalers, nondurable goods	424	6.1	3.8	2.5	1.3	2.3
Wholesale electronic markets and agents and brokers	425	3.4	0.9	0.8	0.1	--
Retail trade	44-45	3.9	2.0	1.0	1.0	2.0
Motor vehicle and parts dealers	441	3.7	1.6	1.0	0.6	2.1

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2012 -- Continued

Michigan

Industry ²	NAICS code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
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Automobile dealers	4411	3.4	1.5	0.8	0.7	1.8
Other motor vehicle dealers	4412	1.3	(⁹)	(⁹)	(⁹)	--
Automotive parts, accessories, and tire stores	4413	5.1	2.2	1.7	0.5	2.9
Electronics and appliance stores	443	1.9	1.0	0.5	0.5	0.9
Building material and garden equipment and supplies dealers	444	5.7	3.3	1.5	1.8	2.4
Food and beverage stores	445	4.5	2.3	1.0	1.3	2.1
Grocery stores	4451	4.7	2.4	1.0	1.4	2.3
Gasoline stations	447	2.4	1.2	0.9	0.3	1.2
Clothing and clothing accessories stores	448	2.7	(⁹)	(⁹)	(⁹)	2.6
Sporting goods, hobby, book, and music stores	451	3.3	2.0	1.0	1.0	1.3
General merchandise stores	452	4.1	2.4	0.9	1.5	1.7
Miscellaneous store retailers	453	3.0	0.7	0.5	0.2	2.3
Nonstore retailers	454	4.4	3.4	2.2	1.3	1.0
Transportation and warehousing⁸	48-49	4.9	3.6	2.1	1.4	1.3
Air transportation	481	4.4	3.3	2.1	1.2	1.1
Rail transportation ⁸	482	1.7	1.3	1.3	(⁹)	(⁹)
Water transportation	483	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Truck transportation	484	5.0	3.7	2.6	1.1	1.3
Transit and ground passenger transportation	485	5.2	4.2	2.9	1.3	1.0
Pipeline transportation	486	(⁹)	(⁹)	(⁹)	--	(⁹)
Scenic and sightseeing transportation	487	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Support activities for transportation	488	4.2	2.9	1.1	1.8	1.3
Couriers and messengers	492	6.8	4.3	2.0	2.3	2.5
Warehousing and storage	493	5.7	4.4	1.8	2.6	1.3
Utilities	22	1.8	1.0	0.5	0.5	0.8
Utilities	221	1.8	1.0	0.5	0.5	0.8
Electric power generation, transmission and distribution	2211	1.5	0.8	0.3	0.5	0.6
Information		1.7	1.0	0.4	0.6	0.7
Information	51	1.7	1.0	0.4	0.6	0.7

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2012 -- Continued

Michigan

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	0.9	0.4	0.1	0.3	0.5
Newspaper, periodical, book, and directory publishers	5111	1.4	0.7	0.2	0.5	0.7
Newspaper publishers	51111	2.2	1.1	0.3	0.8	1.1
Software publishers	5112	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Telecommunications (scope changed in 2009)	517	2.1	1.7	0.8	0.9	0.4
Financial activities		1.0	0.4	0.3	0.2	0.6
Finance and insurance	52	0.5	0.1	0.1	(⁹)	0.3
Monetary authorities - central bank	521	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Insurance carriers and related activities	524	0.7	0.2	0.1	(⁹)	0.5
Real estate and rental and leasing	53	2.6	1.3	0.7	0.6	1.3
Real estate (scope changed in 2009)	531	2.8	1.3	0.9	0.4	1.5
Rental and leasing services	532	2.4	1.4	0.4	0.9	1.1
Professional and business services		1.8	0.8	0.5	0.3	0.9
Professional, scientific, and technical services	54	1.1	0.3	0.2	0.1	0.8
Management of companies and enterprises	55	0.8	0.4	0.2	--	0.3
Administrative and support and waste management and remediation services	56	3.8	2.2	1.4	0.8	1.5
Administrative and support services (scope changed in 2009)	561	3.5	2.1	1.4	0.7	1.4
Waste management and remediation services	562	5.8	2.8	1.4	1.4	3.0
Education and health services		5.4	2.4	1.2	1.2	3.0
Educational services	61	1.4	0.6	0.4	0.2	0.8
Educational services	611	1.4	0.6	0.4	0.2	0.8
Elementary and secondary schools	6111	1.9	0.8	0.6	0.2	1.1
Colleges, universities, and professional schools	6113	1.6	0.7	0.4	0.2	0.9

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Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2012 -- Continued

Michigan

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	
Health care and social assistance	62	5.8	2.6	1.3	1.3	3.2
Ambulatory health care services	621	2.5	1.0	0.7	0.3	1.5
Hospitals	622	7.5	2.8	1.4	1.3	4.8
Nursing and residential care facilities	623	9.6	5.8	2.4	3.4	3.8
Social assistance	624	4.4	1.8	0.8	1.1	2.6
Leisure and hospitality		3.6	1.3	0.8	0.5	2.4
Arts, entertainment, and recreation	71	4.3	2.0	1.3	0.7	2.3
Amusement, gambling, and recreation industries	713	4.7	2.4	1.6	0.8	2.4
Accommodation and food services	72	3.5	1.2	0.7	0.4	2.4
Accommodation	721	4.7	3.1	1.6	1.5	1.6
Food services and drinking places	722	3.3	0.8	0.6	0.2	2.5
Other services		1.9	1.0	0.6	0.4	1.0
Other services, except public administration	81	1.9	1.0	0.6	0.4	1.0
Personal and laundry services	812	2.1	0.7	0.2	0.5	1.4
Drycleaning and laundry services	8123	3.7	1.9	0.4	1.5	1.8
Religious, grantmaking, civic, professional, and similar organizations	813	1.9	1.0	0.5	0.5	0.9
State and local government		4.8	2.3	1.3	1.0	2.5
State government		3.9	1.6	0.9	0.7	2.3
Service-providing		3.9	1.6	0.9	0.7	2.3
Education and health services		3.5	1.3	0.6	0.7	2.3
Educational services	61	2.7	1.0	0.5	0.5	1.7

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Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2012 -- Continued

Michigan

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 services	611	2.7	1.0	0.5	0.5	1.7
Health care and social assistance	62	6.4	2.3	0.9	1.3	4.2
Hospitals	622	8.4	2.8	0.9	1.9	5.7
Nursing and residential care facilities	623	7.6	6.9	5.4	1.5	(⁹)
Public administration		--	--	--	--	--
Public administration	92	--	--	--	--	--
Justice, public order, and safety activities	922	3.1	2.3	1.5	0.8	0.9
Justice, public order, and safety activities	9221	3.1	2.3	1.5	0.8	0.9
Correctional institutions	92214	3.5	2.5	1.6	0.9	1.0
Local government		5.3	2.6	1.4	1.2	2.7
Goods-producing ⁵		10.2	4.9	3.6	1.3	5.3
Construction		10.2	4.9	3.6	1.3	5.3
Construction	23	10.2	4.9	3.6	1.3	5.3
Heavy and civil engineering construction	237	10.2	4.9	3.6	1.3	5.3
Manufacturing		(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Service-providing		5.2	2.6	1.4	1.2	2.6
Trade, transportation, and utilities ⁸		8.4	6.0	5.1	0.9	2.4
Transportation and warehousing ⁸	48-49	7.8	5.9	5.4	0.5	1.9
Transit and ground passenger transportation	485	8.1	6.1	5.6	0.5	2.0
Utilities	22	10.2	6.5	4.5	2.0	3.7

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Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2012 -- Continued

Michigan

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	10.2	6.5	4.5	2.0	3.7
Water, sewage and other systems	2213	8.6	6.3	(⁹)	(⁹)	(⁹)
Education and health services		4.0	1.5	1.0	0.6	2.4
Educational services	61	3.3	1.1	0.8	0.4	2.2
Educational services	611	3.3	1.1	0.8	0.4	2.2
Elementary and secondary schools	6111	3.3	1.2	0.8	0.4	2.1
Health care and social assistance	62	8.2	4.0	2.4	--	4.2
Hospitals	622	6.9	2.7	2.1	--	4.1

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Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2012 -- Continued

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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	
Public administration		7.3	4.2	2.0	2.2	3.0
Public administration	92	7.3	4.2	2.0	2.2	3.0

¹ Incidence rates represent the number of injuries and illnesses per 100 full-time workers and were calculated as: (N/EH) x 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* 2007 Edition

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* -- United States, 2007) 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.