

Table 6. Incidence rates ¹ of nonfatal occupational injuries and illnesses by industry and case types, 2004

Michigan

Industry ²	NAICS code ³	2004 Average annual employment ⁴ (000's)	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
				Total	Cases with days away from work ⁵	Cases with job transfer or restriction	
All industries including State and local government ⁶		4,225.0	5.6	2.9	1.3	1.6	2.7
Private industry ⁶		3,643.8	5.6	2.8	1.2	1.6	2.8
Goods producing ⁶		911.7	8.1	4.1	1.7	2.5	3.9
Natural resources and mining ^{6,7}		26.6	5.5	3.5	1.8	1.7	2.0
Agriculture, forestry, fishing and hunting ⁶	11	20.1	6.4	4.1	2.0	2.1	--
Crop production ⁶	111	12.9	6.1	4.2	1.2	3.1	1.9
Mining ⁷	21	6.5	2.6	1.6	1.2	0.4	1.0
Construction		189.7	7.1	3.4	2.6	0.8	3.7
Construction	23	189.7	7.1	3.4	2.6	0.8	3.7
Construction of buildings	236	45.3	7.0	3.8	3.0	0.8	3.2
Residential building construction	2361	28.0	6.0	3.6	3.0	0.6	2.4
Nonresidential building construction	2362	17.3	8.5	4.2	3.1	1.1	4.3
Heavy and civil engineering construction	237	17.5	7.4	2.9	2.4	0.6	4.5
Highway, street, and bridge construction	2373	5.7	4.2	1.8	1.5	(¹¹)	2.4
Specialty trade contractors	238	126.9	7.1	3.3	2.5	0.8	3.8
Foundation, structure, and building exterior contractors	2381	27.8	7.5	4.7	3.7	1.0	2.8
Poured concrete foundation and structure contractors	23811	5.7	4.6	2.2	1.5	0.7	2.4
Building equipment contractors	2382	56.6	8.1	2.8	2.2	0.6	5.3
Electrical contractors	23821	24.9	4.8	1.2	0.8	0.4	3.7
Plumbing, heating, and air-conditioning contractors	23822	27.7	11.1	4.1	3.5	0.7	6.9
Building finishing contractors	2383	23.7	4.9	2.3	1.9	0.3	2.7
Other specialty trade contractors	2389	18.8	6.0	4.1	2.7	1.5	1.9
Manufacturing		695.5	8.4	4.3	1.4	2.9	4.1

See footnotes at end of table.

Table 6. Incidence rates ¹ of nonfatal occupational injuries and illnesses by industry and case types, 2004 -- Continued

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Manufacturing	31-33	695.5	8.4	4.3	1.4	2.9	4.1
Food manufacturing	311	32.7	9.4	5.6	2.3	3.3	3.8
Fruit and vegetable preserving and specialty food manufacturing	3114	6.1	7.6	3.5	1.4	2.1	4.1
Dairy product manufacturing	3115	4.6	11.1	8.2	2.7	5.5	2.8
Animal slaughtering and processing	3116	4.6	10.0	6.6	4.5	2.1	3.4
Bakeries and tortilla manufacturing	3118	8.2	7.3	4.8	1.4	3.4	2.5
Beverage and tobacco product manufacturing	312	4.6	16.5	9.3	6.0	3.2	7.3
Beverage manufacturing	3121	4.6	16.5	9.3	6.0	3.2	7.3
Wood product manufacturing	321	11.3	11.1	6.0	2.8	3.2	5.1
Other wood product manufacturing	3219	5.4	8.5	4.8	2.8	2.0	3.6
Paper manufacturing	322	14.8	6.3	3.7	1.1	2.5	2.6
Converted paper product manufacturing	3222	9.2	8.5	5.1	1.4	3.7	3.4
Paperboard container manufacturing	32221	6.2	7.8	5.3	1.9	3.4	2.5
Printing and related support activities	323	18.3	5.8	2.8	1.2	1.7	2.9
Printing and related support activities	3231	18.3	5.8	2.8	1.2	1.7	2.9
Printing	32311	17.0	6.1	3.0	1.3	1.8	3.1
Commercial lithographic printing	323110	7.7	5.8	3.1	1.4	1.7	2.7
Chemical manufacturing	325	27.8	4.9	2.5	1.0	1.5	2.4
Plastics and rubber products manufacturing	326	43.2	10.3	8.7	2.5	6.2	1.6
Nonmetallic mineral product manufacturing	327	16.5	8.5	5.0	2.7	2.3	3.5
Cement and concrete product manufacturing	3273	6.0	7.5	4.7	3.9	0.9	2.7
Primary metal manufacturing	331	27.6	12.6	4.2	2.1	2.0	8.5
Iron and steel mills and ferroalloy manufacturing	3311	6.0	7.8	2.3	0.9	1.5	5.5
Iron and steel mills and ferroalloy manufacturing	33111	6.0	7.8	2.3	0.9	1.5	5.5
Iron and steel mills	331111	6.0	7.8	2.3	0.9	1.5	5.5
Foundries	3315	14.9	14.8	4.5	2.7	1.8	10.3
Fabricated metal product manufacturing	332	83.1	10.1	4.3	1.8	2.5	5.8
Ornamental and architectural metal products manufacturing	33232	6.3	12.7	5.0	2.1	2.9	7.7
Machine shops; turned product; and screw, nut, and bolt manufacturing	3327	27.1	9.5	4.1	1.5	2.6	5.4
Machine shops	33271	16.0	8.1	3.6	1.2	2.4	4.5
Turned product and screw, nut, and bolt manufacturing	33272	11.1	11.6	4.9	2.0	2.8	6.8
Bolt, nut, screw, rivet, and washer manufacturing	332722	5.9	13.6	6.4	3.0	3.4	7.2
Coating, engraving, heat treating, and allied activities	3328	16.0	12.0	4.4	2.1	2.3	7.6
Coating, engraving, heat treating, and allied activities	33281	16.0	12.0	4.4	2.1	2.3	7.6

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Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers	332812	5.7	10.7	4.2	1.9	2.3	6.5
Electroplating, plating, polishing, anodizing, and coloring	332813	7.8	14.1	4.9	2.1	2.9	9.1
Other fabricated metal product manufacturing	3329	12.9	6.5	3.1	1.2	1.9	3.4
Machinery manufacturing	333	75.7	8.1	3.3	1.6	1.7	4.8
Industrial machinery manufacturing	3332	5.8	3.8	1.5	0.4	1.1	2.3
Metalworking machinery manufacturing	3335	40.7	8.8	3.8	1.8	2.0	5.0
Metalworking machinery manufacturing	33351	40.7	8.8	3.8	1.8	2.0	5.0
Industrial mold manufacturing	333511	8.4	9.6	3.7	1.2	2.6	5.9
Special die and tool, die set, jig, and fixture manufacturing	333514	17.9	8.7	4.1	1.9	2.2	4.6
Other general purpose machinery manufacturing	3339	16.3	5.2	2.5	1.5	1.1	2.6
Navigational, measuring, electromedical, and control instruments manufacturing	3345	8.3	2.2	1.3	0.6	0.7	0.9
Electrical equipment, appliance, and component manufacturing	335	14.4	4.8	2.1	1.2	0.9	2.6
Household appliance manufacturing	3352	8.0	4.0	2.2	1.4	0.8	1.8
Transportation equipment manufacturing	336	255.7	8.2	4.3	0.8	3.4	4.0
Motor vehicle manufacturing	3361	70.8	9.3	5.2	0.8	4.4	4.1
Motor vehicle body and trailer manufacturing	3362	9.8	10.2	5.5	1.0	4.6	4.7
Motor vehicle body and trailer manufacturing	33621	9.8	10.2	5.5	1.0	4.6	4.7
Motor vehicle body manufacturing	336211	8.3	8.6	3.6	0.7	2.9	4.9
Motor vehicle parts manufacturing	3363	169.0	7.8	3.9	0.8	3.1	3.9
Furniture and related product manufacturing	337	26.1	7.3	3.5	1.0	2.5	3.8
Household and institutional furniture and kitchen cabinet manufacturing	3371	6.9	10.0	4.9	1.1	3.8	5.1
Office furniture (including fixtures) manufacturing	3372	18.6	6.2	2.9	0.9	2.0	3.3
Office furniture (including fixtures) manufacturing	33721	18.6	6.2	2.9	0.9	2.0	3.3
Office furniture (except wood) manufacturing	337214	10.5	5.8	2.8	0.7	2.0	3.0
Miscellaneous manufacturing	339	17.6	8.4	6.0	2.6	3.5	2.3
Medical equipment and supplies manufacturing	3391	9.0	7.8	5.3	2.1	3.2	2.5
Other miscellaneous manufacturing	3399	8.6	9.0	6.9	3.1	3.8	2.1
Service providing		2,732.1	4.4	2.2	1.0	1.2	2.2
Trade, transportation, and utilities⁹		802.4	5.7	3.3	1.5	1.8	2.4
Wholesale trade	42	169.4	5.0	3.0	1.4	1.6	2.0
Merchant wholesalers, durable goods	423	95.7	4.9	2.7	1.5	1.2	2.2

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Wholesale electronic markets and agents and brokers	425	24.5	1.7	1.0	0.5	0.5	0.7
Retail trade	44-45	512.4	5.2	2.8	1.1	1.7	2.4
Motor vehicle and parts dealers	441	62.3	4.9	1.8	1.0	0.8	3.1
Automobile dealers	4411	41.8	5.5	1.8	1.0	0.8	3.6
Other motor vehicle dealers	4412	6.3	3.2	0.9	0.9	(¹¹)	2.2
Automotive parts, accessories, and tire stores	4413	14.1	4.0	2.2	1.2	1.0	1.8
Furniture and home furnishings stores	442	18.7	4.4	1.9	1.3	0.6	2.6
Electronics and appliance stores	443	17.3	2.7	0.8	0.4	0.4	1.8
Building material and garden equipment and supplies dealers	444	46.6	8.4	3.5	1.1	2.4	4.9
Food and beverage stores	445	87.7	6.5	3.5	1.9	1.6	3.1
Grocery stores	4451	71.5	7.3	3.8	2.2	1.6	3.5
Health and personal care stores	446	32.6	2.1	0.7	0.3	0.4	1.4
Gasoline stations	447	25.8	3.5	1.6	0.9	0.7	1.9
Clothing and clothing accessories stores	448	40.5	2.1	0.8	0.5	0.3	1.3
Sporting goods, hobby, book, and music stores	451	24.8	4.8	1.4	0.4	1.0	3.3
General merchandise stores	452	116.9	6.2	5.2	1.3	3.8	1.0
Miscellaneous store retailers	453	29.7	3.4	2.1	1.2	0.9	1.3
Nonstore retailers	454	9.5	7.1	4.0	2.3	1.7	3.1
Transportation and warehousing⁹	48-49	100.1	8.8	5.5	2.8	2.7	3.3
Truck transportation	484	36.0	7.0	3.2	2.4	0.7	3.9
Support activities for transportation	488	13.9	4.9	2.9	1.3	1.6	2.0
Couriers and messengers	492	12.8	11.8	8.1	4.3	3.8	3.7
Utilities	22	20.4	5.2	2.9	1.1	1.8	2.2
Utilities	221	20.4	5.2	2.9	1.1	1.8	2.2
Electric power generation, transmission and distribution	2211	17.0	5.2	2.9	1.2	1.7	2.3
Information		68.0	2.8	1.6	--	1.0	--
Information	51	68.0	2.8	1.6	--	1.0	--

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Newspaper publishers	51111	12.5	4.3	3.0	0.8	2.2	1.4
Telecommunications	517	22.4	4.0	2.6	1.4	1.2	1.5
Financial activities		212.3	2.1	0.8	0.5	0.3	1.3
Finance and insurance	52	156.3	1.0	0.3	0.2	0.1	0.7
Credit intermediation and related activities	522	86.4	1.1	0.3	0.3	(¹¹)	0.8
Real estate and rental and leasing	53	56.1	5.6	2.4	1.3	1.0	3.2
Real estate	531	38.4	6.5	2.7	1.5	1.2	3.8
Rental and leasing services	532	16.9	3.9	1.8	1.2	0.7	2.1
Professional and business services		584.2	1.9	0.8	0.4	0.3	1.1
Professional, scientific, and technical services	54	244.6	1.1	0.3	0.1	0.1	0.8
Management of companies and enterprises	55	68.0	2.0	1.1	0.3	0.7	0.9
Administrative and support and waste management and remediation services	56	271.7	3.6	1.6	1.1	0.5	1.9
Waste management and remediation services	562	11.5	9.0	7.1	3.6	3.5	1.9
Education and health services		536.7	6.5	3.2	1.2	1.9	3.3
Educational services	61	56.0	2.7	0.6	0.4	0.3	2.1
Educational services	611	56.0	2.7	0.6	0.4	0.3	2.1
Colleges, universities, and professional schools	6113	20.7	3.9	0.3	0.3	(¹¹)	3.6
Health care and social assistance	62	480.7	6.9	3.5	1.3	2.1	3.4
Ambulatory health care services	621	161.5	2.8	1.3	1.0	0.3	1.5
Hospitals	622	179.2	9.1	3.5	1.5	2.0	5.6
Nursing and residential care facilities	623	86.6	12.1	8.7	2.0	6.8	3.4

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Social assistance	624	53.3	3.2	1.6	1.0	0.6	1.5
Leisure and hospitality		400.0	4.6	1.8	1.0	0.7	2.8
Arts, entertainment, and recreation	71	61.2	5.9	3.8	1.3	2.4	2.2
Performing arts, spectator sports, and related industries	711	9.6	4.2	3.1	0.7	2.4	1.1
Amusement, gambling, and recreation industries	713	48.1	5.9	3.9	1.3	2.6	2.1
Accommodation and food services	72	338.8	4.3	1.4	1.0	0.5	2.9
Accommodation	721	34.0	5.7	2.5	1.0	1.5	3.2
Food services and drinking places	722	304.8	4.2	1.3	1.0	0.3	2.9
Other services		128.5	3.3	1.4	0.9	0.6	1.9
Other services, except public administration	81	128.5	3.3	1.4	0.9	0.6	1.9
Repair and maintenance	811	42.2	3.8	1.6	1.0	0.6	2.2
Automotive repair and maintenance	8111	32.6	3.4	1.6	1.0	0.7	1.8
Personal and laundry services	812	40.8	2.8	1.5	0.9	0.6	1.3
Drycleaning and laundry services	8123	10.7	3.4	1.9	0.9	1.0	1.5
Religious, grantmaking, civic, professional, and similar organizations	813	45.5	3.1	1.1	0.6	0.5	2.0
State and local government		581.2	5.9	3.3	1.9	1.4	2.6
State government		138.3	4.0	1.9	1.2	0.8	2.0
Service providing		138.3	4.0	1.9	1.2	0.8	2.0
Education and health services		94.9	4.2	1.7	0.8	0.9	2.5
Educational services	61	69.8	2.9	1.1	0.5	0.6	1.8
Educational services	611	69.8	2.9	1.1	0.5	0.6	1.8
Health care and social assistance	62	25.0	7.6	3.2	1.5	1.8	4.4

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Hospitals	622	14.1	9.8	4.4	1.4	3.0	5.4
Public administration		--	3.5	2.5	2.1	0.4	1.0
Public administration	92	--	3.5	2.5	2.1	0.4	1.0
Justice, public order, and safety activities	922	21.6	4.3	3.3	2.9	0.4	1.0
Administration of economic programs	926	7.4	3.9	1.9	1.4	0.6	2.0
Local government		442.9	6.7	3.9	2.3	1.7	2.8
Service providing		437.1	6.6	3.9	2.2	1.6	2.7
Trade, transportation, and utilities ⁹		5.5	18.0	8.8	6.0	2.7	9.2
Education and health services		286.6	5.6	2.7	1.7	1.0	2.8
Educational services	61	265.5	4.9	2.5	1.7	0.8	2.4
Educational services	611	265.5	4.9	2.5	1.7	0.8	2.4
Health care and social assistance	62	21.2	12.3	4.9	2.5	2.4	7.4
Hospitals	622	13.3	11.3	3.5	2.1	1.4	7.8
Nursing and residential care facilities	623	6.1	13.5	7.7	3.9	3.8	5.8
Public administration		131.7	7.9	5.7	3.1	2.7	2.2
Public administration	92	131.7	7.9	5.7	3.1	2.7	2.2

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Executive, legislative, and other general government support	921	119.8	8.1	6.0	3.3	2.7	2.1
Administration of human resource programs	923	7.5	5.3	3.2	1.1	2.1	2.2

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* 2002 Edition

⁴ Employment is expressed as an annual average and is derived primarily from the BLS-State Quarterly Census of Employment and Wages.

⁵ Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

⁶ Excludes farms with fewer than 11 employees.

⁷ Data for mining (Sector 21 in the *North American Industry Classification System* -- United States, 2002) 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.

⁸ 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.

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

¹⁰ Incidence rate less than 0.05.

¹¹ Fewer than 15 cases.

NOTE: Because of rounding, components may not add to totals.
-- Indicates data not available.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses, in cooperation with participating State agencies.