

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2002

Michigan

Industry ²	SIC 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		6.9	3.7	1.7	2.0	3.2
Private Industry⁵		6.8	3.7	1.6	2.1	3.1
Agriculture, forestry, and fishing⁵		7.5	3.4	2.3	1.2	4.0
Agricultural production ⁵	01-02	6.4	2.9	1.6	1.3	3.5
Agricultural services	07	8.3	3.8	2.7	1.1	4.5
Mining⁶		3.2	1.6	1.3	--	1.6
Construction		7.8	4.0	3.0	1.0	3.8
General building contractors	15	7.9	4.3	3.5	0.8	3.6
Residential building construction	152	6.6	3.9	3.1	0.8	2.7
Nonresidential building construction	154	9.6	4.9	--	0.8	4.7
Heavy construction, except building	16	8.5	5.2	3.2	1.9	3.4
Highway and street construction	161	6.0	3.0	1.3	1.7	3.0
Heavy construction, except highway	162	9.5	6.0	4.0	2.0	3.5
Special trade contractors	17	7.7	3.8	2.9	0.9	3.9
Plumbing, heating, air-conditioning	171	8.2	2.3	1.7	0.6	5.9
Electrical work	173	6.9	4.2	3.2	0.9	2.7
Masonry, stonework, and plastering	174	8.6	4.7	3.1	1.7	3.8
Carpentry and floor work	175	8.2	5.0	4.6	0.4	3.2
Roofing, siding, and sheet metal work	176	13.9	7.4	5.6	1.7	6.5
Concrete work	177	6.4	3.7	3.6	0.2	2.7
Miscellaneous special trade contractors	179	6.8	3.4	2.2	1.2	3.4
Manufacturing		10.1	5.7	1.7	4.0	4.4
Durable goods		10.4	5.7	1.6	4.1	4.7
Lumber and wood products	24	12.4	8.0	5.0	3.0	4.4
Millwork, plywood and structural members	243	13.3	7.5	3.8	3.7	5.8
Furniture and fixtures	25	11.7	7.5	1.8	5.7	4.2
Office furniture	252	7.8	4.6	1.1	3.5	3.2
Stone, clay, and glass products	32	9.2	5.2	2.7	2.5	4.0
Products of purchased glass	323	9.5	5.3	1.9	3.4	4.3
Concrete, gypsum, and plaster products	327	8.8	5.1	3.6	1.5	3.7
Primary metal industries	33	13.5	7.4	3.4	4.0	6.1
Blast furnace and basic steel products	331	10.6	4.5	2.2	2.3	6.0
Blast furnaces and steel mills	3312	8.7	2.5	1.4	1.2	6.2
Iron and steel foundries	332	14.0	8.2	3.2	5.1	5.7
Gray and ductile iron foundries	3321	10.0	4.6	2.0	2.6	5.4
Fabricated metal products	34	12.6	6.7	2.3	4.5	5.9
Cutlery, handtools, and hardware	342	13.9	7.6	3.4	4.2	6.3
Fabricated structural metal products	344	12.8	6.4	2.4	4.1	6.3
Screw machine products, bolts, etc.	345	11.2	6.3	2.2	4.0	5.0
Bolts, nuts, rivets, and washers	3452	13.5	7.4	2.5	4.9	6.1
Metal forgings and stampings	346	13.6	6.8	2.2	4.7	6.8
Automotive stampings	3465	13.1	6.3	2.0	4.3	6.9
Metal services, n.e.c.	347	10.9	6.6	3.0	3.6	4.3

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2002 -- Continued

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Industry ²	SIC code ³	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
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Plating and polishing	3471	11.7	6.9	3.5	3.4	4.8
Metal coating and allied services	3479	9.9	6.2	2.4	3.8	3.7
Miscellaneous fabricated metal products	349	12.2	7.7	1.8	5.9	4.5
Industrial machinery and equipment	35	9.8	4.4	1.6	2.8	5.4
Construction and related machinery	353	7.3	3.9	1.6	2.3	3.5
Metalworking machinery	354	11.6	5.0	1.8	3.2	6.5
Special dies, tools, jigs and fixtures	3544	14.7	6.1	2.0	4.1	8.7
Machine tool accessories	3545	6.3	2.8	1.6	1.2	3.5
Special industry machinery	355	8.0	1.8	0.8	1.1	6.3
General industrial machinery	356	11.5	4.9	2.1	2.8	6.6
Industrial machinery, n.e.c.	359	7.9	4.1	1.1	3.0	3.8
Industrial machinery, n.e.c.	3599	8.6	4.1	1.3	2.8	4.5
Electronic and other electric equipment	36	10.7	5.2	2.6	2.6	5.5
Household appliances	363	12.2	6.6	5.0	1.6	5.5
Transportation equipment	37	9.7	5.6	0.9	4.8	4.1
Motor vehicles and equipment	371	9.7	5.6	0.9	4.7	4.1
Motor vehicles and car bodies	3711	8.3	5.2	0.8	4.4	3.1
Motor vehicle parts and accessories	3714	11.1	5.9	0.9	5.0	5.2
Measuring and controlling devices	382	4.2	2.3	0.4	1.9	2.0
Medical instruments and supplies	384	6.1	2.4	0.7	1.7	3.7
Miscellaneous manufacturing industries	39	6.5	3.9	1.5	2.4	2.6
Nondurable goods		8.8	5.5	1.9	3.6	3.3
Food and kindred products	20	10.4	6.9	2.4	4.5	3.5
Meat products	201	8.5	6.6	1.6	4.9	2.0
Dairy products	202	10.5	7.5	3.4	4.1	3.0
Preserved fruits and vegetables	203	8.5	4.9	1.4	3.5	3.6
Bakery products	205	13.9	9.0	3.0	6.0	5.0
Apparel and other textile products	23	14.0	8.0	1.3	6.8	6.0
Miscellaneous fabricated textile products	239	14.8	8.5	1.3	7.1	6.3
Automotive and apparel trimmings	2396	18.6	10.6	--	9.5	8.0
Paper and allied products	26	7.8	4.4	2.3	2.1	3.3
Paperboard containers and boxes	265	7.0	4.8	2.3	2.4	2.3
Printing and publishing	27	5.9	3.8	1.7	2.1	2.1
Newspapers	271	8.1	5.1	2.4	2.8	3.0
Commercial printing	275	4.0	2.9	1.5	1.4	1.1
Commercial printing, lithographic	2752	3.4	2.5	1.0	1.5	0.9
Chemicals and allied products	28	3.7	1.9	0.6	1.3	1.9
Plastics materials and synthetics	282	2.4	1.3	--	1.0	1.1
Drugs	283	5.2	2.0	0.6	1.5	3.2
Pharmaceutical preparations	2834	5.0	2.1	0.6	1.5	2.9
Rubber and miscellaneous plastics products	30	13.2	8.8	2.8	5.9	4.5
Miscellaneous plastics products, n.e.c.	308	13.7	9.1	2.9	6.2	4.6
Plastics products, n.e.c.	3089	15.7	10.7	3.3	7.4	5.0
Transportation and public utilities⁸		6.8	4.9	2.8	2.1	1.9
Local and interurban passenger transit	41	15.5	10.9	5.8	--	4.5
Trucking and warehousing	42	7.4	5.6	3.5	--	1.8
Transportation by air	45	10.0	8.1	5.2	2.8	1.9
Transportation services	47	4.9	2.6	1.4	1.3	2.2

See footnotes at end of table.

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Communications	48	3.2	2.1	1.6	0.5	1.1
Electric, gas, and sanitary services	49	6.1	3.7	1.0	2.7	2.4
Wholesale and retail trade		6.0	3.1	1.6	1.6	2.9
Wholesale trade		7.1	4.4	2.1	2.3	2.7
Wholesale trade--durable goods	50	5.8	3.3	1.4	2.0	2.5
Wholesale trade--nondurable goods	51	9.6	6.4	3.4	3.0	3.2
Retail trade		5.6	2.7	1.4	1.3	2.9
Building materials and garden supplies	52	5.8	3.5	1.9	1.6	2.3
Lumber and other building materials	521	5.5	3.2	2.5	0.7	--
Hardware stores	525	5.8	4.1	1.1	2.9	1.8
General merchandise stores	53	7.8	4.9	1.5	3.4	2.9
Food stores	54	7.0	3.5	2.4	1.2	3.5
Grocery stores	541	7.7	4.0	2.6	1.3	3.7
Retail bakeries	546	0.7	(⁹)	(⁹)	(⁹)	0.6
Automotive dealers and service stations	55	4.5	1.9	1.1	0.8	2.7
New and used car dealers	551	4.5	1.5	1.1	0.4	3.0
Gasoline service stations	554	3.8	2.0	1.0	1.0	1.7
Apparel and accessory stores	56	3.3	0.6	0.3	0.2	2.7
Furniture and homefurnishings stores	57	4.4	2.1	1.4	0.7	2.3
Eating and drinking places	58	5.4	2.1	1.2	--	3.3
Miscellaneous retail	59	3.6	1.5	1.0	0.5	2.1
Finance, insurance, and real estate		2.2	1.1	0.6	0.5	1.0
Depository institutions	60	1.2	0.5	0.5	(⁹)	0.7
Insurance carriers	63	1.8	1.0	0.6	0.4	0.8
Real estate	65	5.7	3.6	1.5	2.2	2.1
Services		5.1	2.7	1.4	1.3	2.5
Hotels and other lodging places	70	7.5	4.2	1.7	2.5	3.4
Personal services	72	4.4	2.6	1.8	0.9	1.8
Laundry, cleaning, and garment services	721	10.3	6.6	4.3	2.2	--
Business services	73	1.9	1.2	--	--	0.7
Auto repair, services, and parking	75	4.2	1.8	1.2	0.6	2.4
Automotive repair shops	753	3.9	1.6	1.0	0.6	2.3
Automotive services, except repair	754	5.0	2.7	1.8	1.0	2.2
Miscellaneous repair services	76	6.9	4.5	2.7	1.7	2.4
Motion pictures	78	1.6	0.7	0.1	0.6	0.9
Amusement and recreation services	79	5.0	2.9	1.3	1.6	2.1
Health services	80	8.9	4.3	2.2	2.1	4.6
Nursing and personal care facilities	805	17.1	11.0	4.9	6.1	6.1
Hospitals	806	11.1	4.5	2.2	2.3	6.6
Educational services	82	2.4	1.5	0.8	0.8	0.9
Colleges and universities	822	1.8	1.4	0.7	0.7	0.4
Social services	83	5.5	3.5	1.7	1.8	2.0

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State and local government		7.3	3.6	2.2	1.4	3.7
State government		4.5	2.1	1.1	1.0	2.3
Services		4.7	2.0	0.8	1.2	2.7
Health services	80	11.3	4.4	2.1	2.3	6.8
Educational services	82	3.2	1.4	0.5	0.8	1.8
Colleges and universities	822	3.2	1.4	0.5	0.8	1.8
Social services	83	8.1	4.4	1.5	2.9	3.7
Public administration		3.7	2.3	1.8	0.5	1.4
Justice, public order, and safety	92	4.3	2.8	2.3	0.5	1.5
Administration of human resources	94	0.7	0.2	0.2	(⁹)	0.4
Administration of economic programs	96	3.5	2.3	1.4	0.9	1.2
Local government		8.6	4.2	2.7	1.6	4.3
Construction		15.5	8.3	5.6	2.7	7.3
Services		6.3	2.7	1.7	1.0	3.6
Hospitals	806	9.6	4.4	2.1	2.3	5.1
Educational services	82	5.8	2.3	1.5	0.8	3.5
Elementary and secondary schools	821	5.8	2.3	1.5	0.8	3.5
Public administration		12.3	7.0	4.3	2.7	5.4
Executive, legislative, and general	91	12.9	7.2	4.4	--	5.7

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 *Standard Industrial Classification Manual*, 1987 Edition.

⁴ Days-away-from-work cases include those which 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 (Division B in the *Standard Industrial Classification Manual*, 1987 edition) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction. 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 OSHA made to its recordkeeping requirements effective January 1,

2002; therefore estimates for these industries are not comparable with estimates for 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 OSHA made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable with estimates for other industries.

⁸ Data for employers in railroad transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation. These data do not reflect the changes OSHA made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable with estimates for other industries.

⁹ Incidence rate less than 0.05.

NOTE: Because of rounding, components may not add to totals.

n.e.c. = not elsewhere classified.

-- 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.