

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and selected case types, 2001

Michigan

Industry ²	SIC code ³	Injuries and Illnesses				Injuries			
		Total cases	Lost workday cases		Cases without lost work-days	Total cases	Lost workday cases		Cases without lost work-days
			Total ⁴	With days away from work ⁵			Total ⁴	With days away from work ⁵	
All Industries including State and local government⁶		7.2	3.7	1.6	3.6	6.4	3.3	1.5	3.1
Private Industry⁶		7.3	3.7	1.6	3.6	6.4	3.3	1.5	3.1
Agriculture, forestry, and fishing⁶		8.9	4.9	2.8	3.9	8.3	4.8	2.8	3.4
Agricultural production ⁶	01-02	7.4	3.6	1.6	3.8	7.3	3.6	1.5	3.7
Agricultural services	07	9.8	5.8	3.6	3.9	8.9	5.7	3.6	3.2
Mining⁷		6.3	3.6	1.8	2.7	5.8	3.5	1.7	2.3
Construction		8.9	4.8	3.7	4.1	8.7	4.6	3.5	4.1
General building contractors	15	7.3	3.7	2.9	3.5	7.1	3.6	2.8	3.5
Residential building construction	152	7.5	4.3	3.4	3.2	7.5	4.3	3.4	3.2
Nonresidential building construction	154	6.9	2.9	2.2	4.0	6.4	2.5	1.8	3.9
Highway and street construction	161	6.9	3.9	1.3	3.0	6.7	3.8	1.2	2.9
Heavy construction, except highway	162	9.6	4.5	3.4	5.1	9.5	4.5	3.3	5.0
Special trade contractors	17	9.5	5.2	4.1	4.3	9.2	5.0	3.9	4.2
Plumbing, heating, air-conditioning	171	12.0	6.0	5.5	6.0	11.5	5.6	5.2	6.0
Electrical work	173	5.3	2.5	1.7	2.7	5.2	2.5	1.6	2.6
Masonry, stonework, and plastering	174	11.4	6.4	5.2	5.0	10.4	5.4	4.1	5.0
Carpentry and floor work	175	5.4	2.4	2.2	3.0	5.4	2.4	2.2	3.0
Roofing, siding, and sheet metal work	176	20.2	10.4	7.0	9.8	20.0	10.1	6.8	9.8
Concrete work	177	10.2	6.6	6.0	3.6	10.2	6.6	6.0	3.6
Miscellaneous special trade contractors	179	9.2	6.6	4.1	2.6	9.1	6.6	4.1	2.6
Manufacturing		12.3	6.1	2.0	6.2	9.6	4.9	1.7	4.7
Durable goods		13.5	6.6	2.1	6.9	10.3	5.2	1.8	5.1
Lumber and wood products	24	12.3	7.3	3.2	5.0	11.8	7.0	3.0	4.7
Millwork, plywood and structural members	243	17.6	11.3	4.0	6.3	16.8	10.8	3.8	6.0
Furniture and fixtures	25	12.9	7.7	2.1	5.2	10.3	5.9	1.5	4.5
Office furniture	252	9.4	5.5	1.0	3.9	7.3	4.0	0.6	3.3
Partitions and fixtures	254	13.4	9.0	3.8	4.4	12.6	8.2	3.3	4.4
Stone, clay, and glass products	32	15.3	9.1	3.6	6.2	13.1	7.7	3.2	5.4
Products of purchased glass	323	16.1	9.5	3.2	6.6	11.6	6.6	2.5	4.9
Concrete, gypsum, and plaster products	327	15.6	10.0	5.7	5.6	15.3	9.8	5.5	5.4
Primary metal industries	33	12.0	5.5	2.5	6.5	10.8	4.9	2.2	5.9
Blast furnace and basic steel products	331	12.1	4.2	2.6	7.8	11.1	4.0	2.4	7.1
Blast furnaces and steel mills	3312	10.4	3.5	1.6	6.9	9.4	3.3	1.5	6.1
Iron and steel foundries	332	11.7	6.7	2.6	5.0	10.3	5.7	2.3	4.6
Gray and ductile iron foundries	3321	9.6	4.5	1.3	5.1	8.9	4.3	1.2	4.6
Fabricated metal products	34	15.3	7.5	2.6	7.8	13.3	6.5	2.2	6.8
Cutlery, handtools, and hardware	342	6.3	3.6	1.2	2.7	4.9	2.7	1.0	2.2
Fabricated structural metal products	344	18.4	7.4	3.5	11.0	17.6	6.8	3.3	10.8
Sheet metal work	3444	15.3	7.6	3.4	7.6	12.7	5.7	2.8	7.1
Screw machine products, bolts, etc.	345	16.4	8.1	3.7	8.3	15.2	7.2	3.1	8.1
Screw machine products	3451	18.9	10.5	4.3	8.3	17.4	9.4	3.8	8.0
Bolts, nuts, rivets, and washers	3452	14.3	5.9	3.2	8.3	13.3	5.2	2.5	8.1
Metal forgings and stampings	346	17.0	8.1	2.5	8.9	14.1	6.7	1.9	7.3

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and selected case types, 2001 -- Continued

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Industry ²	SIC code ³	Injuries and Illnesses				Injuries			
		Total cases	Lost workday cases		Cases without lost work-days	Total cases	Lost workday cases		Cases without lost work-days
			Total ⁴	With days away from work ⁵			Total ⁴	With days away from work ⁵	
Automotive stampings	3465	17.2	8.3	2.3	8.9	14.1	6.9	1.8	7.2
Metal services, n.e.c.	347	13.1	7.8	2.7	5.3	11.8	7.0	2.4	4.8
Plating and polishing	3471	14.8	8.1	2.9	6.7	13.4	7.5	2.6	5.9
Metal coating and allied services	3479	11.2	7.5	2.5	3.7	10.1	6.5	2.1	3.6
Miscellaneous fabricated metal products	349	11.0	6.4	1.9	4.6	9.9	5.8	1.5	4.1
Industrial machinery and equipment	35	9.9	4.2	1.7	5.8	9.2	3.8	1.5	5.4
Construction and related machinery	353	19.5	10.9	3.1	8.6	18.4	10.4	2.8	8.0
Metalworking machinery	354	9.5	3.1	1.4	6.4	9.3	3.0	1.3	6.3
Special dies, tools, jigs and fixtures	3544	10.8	2.9	1.3	7.9	10.6	2.9	1.3	7.7
Machine tool accessories	3545	8.1	2.1	1.5	6.0	7.9	2.0	1.4	5.8
Special industry machinery	355	9.8	3.7	1.8	6.1	8.8	3.2	1.5	5.6
General industrial machinery	356	9.9	5.2	2.3	4.7	8.8	4.7	1.9	4.2
Industrial machinery, n.e.c.	359	9.0	4.3	1.8	4.7	8.1	3.8	1.5	4.2
Industrial machinery, n.e.c.	3599	11.3	5.0	2.4	6.3	10.3	4.6	2.1	5.7
Electronic and other electric equipment	36	12.3	5.5	--	6.8	8.8	4.3	--	--
Household appliances	363	14.1	7.2	4.0	6.9	11.7	6.0	3.5	5.8
Miscellaneous electrical equipment and supplies	369	22.1	6.6	1.5	15.5	10.4	4.0	1.2	6.4
Transportation equipment	37	15.1	7.3	2.0	7.7	9.8	5.3	1.7	4.5
Motor vehicles and equipment	371	15.0	7.2	2.0	7.8	9.6	5.2	1.6	4.4
Motor vehicles and car bodies	3711	14.6	6.9	1.2	7.7	8.5	4.6	0.9	3.9
Motor vehicle parts and accessories	3714	15.3	7.6	2.7	7.8	10.5	5.8	2.4	4.8
Aircraft and parts	372	20.1	10.8	2.2	9.3	18.6	10.2	1.6	8.4
Measuring and controlling devices	382	6.8	2.0	0.7	4.8	6.7	2.0	0.7	4.7
Miscellaneous manufacturing industries	39	8.7	4.6	2.7	4.2	7.8	3.9	2.2	4.0
Nondurable goods		8.2	4.5	1.4	3.7	7.0	3.8	1.2	3.2
Food and kindred products	20	11.7	7.1	2.1	4.6	10.4	6.2	1.9	4.2
Meat products	201	15.5	10.5	1.2	5.1	11.7	7.1	0.9	4.7
Preserved fruits and vegetables	203	9.3	5.5	1.6	3.7	8.8	5.2	1.4	3.6
Bakery products	205	8.0	3.6	1.7	4.5	6.2	3.3	1.6	2.9
Paper and allied products	26	6.4	3.9	1.8	2.5	5.9	3.5	1.4	2.4
Paperboard containers and boxes	265	11.6	7.5	3.0	4.1	10.7	6.8	2.5	3.9
Printing and publishing	27	5.7	3.5	1.6	2.2	5.4	3.3	1.5	2.1
Newspapers	271	5.7	3.6	1.5	2.2	5.2	3.3	1.4	1.9
Books	273	9.0	6.9	3.1	2.2	--	6.7	2.9	2.2
Commercial printing	275	5.7	3.5	1.7	2.2	5.4	3.3	1.6	2.1
Commercial printing, lithographic	2752	5.8	3.2	1.6	2.5	5.3	2.9	1.6	2.4
Chemicals and allied products	28	5.0	2.4	0.8	2.6	4.0	1.9	0.5	2.0
Plastics materials and synthetics	282	2.2	1.0	--	1.2	--	--	--	--
Drugs	283	6.0	1.9	1.1	4.1	4.2	1.4	0.8	2.8
Pharmaceutical preparations	2834	6.0	1.8	1.1	4.2	4.2	1.3	0.8	2.9
Rubber and miscellaneous plastics products	30	10.2	5.6	1.5	4.6	8.8	4.7	1.1	4.1
Miscellaneous plastics products, n.e.c.	308	10.1	5.4	1.2	4.7	9.0	4.7	1.0	4.3
Plastics products, n.e.c.	3089	10.4	5.4	1.3	5.0	9.2	4.6	1.0	4.6
Transportation and public utilities⁹		7.7	4.9	2.9	2.8	7.5	4.8	2.8	2.6
Local and interurban passenger transit	41	15.5	7.0	5.1	8.6	14.8	6.7	4.8	8.1
Trucking and warehousing	42	7.9	4.6	3.8	3.4	7.8	4.6	3.8	3.3
Transportation by air	45	14.0	11.0	4.4	3.0	13.8	10.9	4.3	2.9

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Michigan

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		Total cases	Lost workday cases		Cases without lost work-days	Total cases	Lost workday cases		Cases without lost work-days
			Total ⁴	With days away from work ⁵			Total ⁴	With days away from work ⁵	
Communications	48	4.8	3.4	2.4	1.4	4.5	3.3	2.3	1.2
Electric, gas, and sanitary services	49	6.2	3.4	0.9	2.8	5.7	3.2	0.8	2.5
Wholesale and retail trade		5.6	2.7	1.3	2.9	5.4	2.6	1.2	2.7
Wholesale trade		6.3	3.4	1.4	2.9	5.8	3.2	1.4	2.5
Wholesale trade--durable goods	50	5.4	2.7	0.9	2.7	4.6	2.4	0.8	2.2
Wholesale trade--nondurable goods	51	8.4	5.1	2.6	3.3	8.3	5.0	2.6	3.2
Retail trade		5.4	2.5	1.2	2.9	5.2	2.4	1.2	2.8
Building materials and garden supplies	52	4.9	2.3	1.2	2.5	4.7	2.2	1.1	2.5
Lumber and other building materials	521	3.8	1.7	0.7	2.0	3.6	1.6	0.5	2.0
Hardware stores	525	4.5	2.8	1.5	1.7	4.3	2.7	1.4	1.6
General merchandise stores	53	9.5	6.1	1.4	3.4	9.3	6.0	1.3	3.3
Food stores	54	5.7	2.1	1.4	3.6	5.4	1.9	1.1	3.5
Grocery stores	541	6.1	2.2	1.4	3.9	5.7	2.0	1.2	3.8
Retail bakeries	546	1.5	0.9	0.9	0.6	1.5	0.9	0.9	0.6
Automotive dealers and service stations	55	6.3	2.5	1.6	3.7	6.2	2.5	1.5	3.7
New and used car dealers	551	6.5	1.8	1.4	4.7	6.5	1.8	1.3	4.7
Gasoline service stations	554	5.0	2.6	1.3	2.4	5.0	2.6	1.3	2.4
Apparel and accessory stores	56	2.5	0.7	0.5	1.8	2.5	0.7	0.5	1.8
Furniture and home furnishings stores	57	3.6	1.2	0.9	2.4	3.6	1.2	0.9	2.3
Eating and drinking places	58	4.2	1.6	1.2	2.5	4.1	1.6	1.2	2.5
Miscellaneous retail	59	3.3	1.3	0.9	2.0	3.1	1.2	0.8	1.9
Finance, insurance, and real estate		1.7	0.7	0.4	1.0	1.4	0.5	0.3	0.9
Depository institutions	60	1.2	0.3	0.3	0.8	1.0	0.2	0.2	0.7
Insurance carriers	63	1.7	0.7	0.4	0.9	1.0	0.5	0.3	0.5
Real estate	65	4.2	1.8	1.1	2.4	4.0	1.8	1.1	2.2
Services		4.5	2.4	1.1	2.1	4.2	2.2	1.0	2.0
Hotels and other lodging places	70	6.5	3.2	1.8	3.3	6.2	3.0	1.7	3.2
Personal services	72	2.9	1.5	0.8	1.4	2.7	1.3	0.7	1.4
Laundry, cleaning, and garment services	721	5.3	2.8	1.2	2.5	4.8	2.3	1.0	2.5
Business services	73	2.4	1.6	0.5	0.8	2.2	1.4	0.4	0.8
Auto repair, services, and parking	75	4.6	1.8	1.2	2.8	4.6	1.8	1.1	2.8
Automotive repair shops	753	4.9	2.0	1.4	2.9	4.8	1.9	1.3	2.9
Automotive services, except repair	754	4.1	1.8	0.9	2.3	4.1	1.8	0.9	2.3
Miscellaneous repair services	76	7.0	2.9	1.7	4.1	6.4	2.5	1.4	3.9
Amusement and recreation services	79	5.7	2.9	1.6	2.8	5.5	2.8	1.6	2.7
Health services	80	6.8	3.4	1.6	3.4	6.3	3.3	1.5	3.0
Nursing and personal care facilities	805	14.9	9.5	3.7	5.4	14.5	9.4	3.6	5.1
Hospitals	806	8.5	3.9	2.0	4.6	7.7	3.7	1.8	4.0
Educational services	82	2.4	1.0	0.6	1.4	2.3	1.0	0.6	1.4
Colleges and universities	822	2.0	0.9	0.8	1.1	2.0	0.9	0.8	1.1
Social services	83	6.5	4.0	1.2	2.5	6.2	3.8	1.2	2.4

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		Total cases	Lost workday cases		Cases without lost work-days	Total cases	Lost workday cases		Cases without lost work-days
			Total ⁴	With days away from work ⁵			Total ⁴	With days away from work ⁵	
State and local government		6.7	3.4	1.8	3.3	6.4	3.3	1.7	3.1
State government		4.1	2.2	1.5	1.9	3.8	2.1	1.4	1.7
Services		3.6	1.9	1.0	1.7	3.4	1.8	1.0	1.6
Educational services	82	2.7	1.3	0.6	1.4	2.5	1.2	0.5	1.3
Public administration		5.0	2.8	2.4	2.2	4.6	2.6	2.2	2.0
Justice, public order, and safety	92	7.8	4.3	3.9	3.5	7.4	4.0	3.6	3.4
Administration of economic programs	96	2.2	1.8	1.1	--	1.9	1.7	1.0	--
Local government		7.9	3.9	2.0	3.9	7.5	3.8	1.9	3.7
Construction		13.8	6.9	4.9	6.8	12.5	6.7	4.9	5.7
Services		7.3	3.5	1.4	3.8	7.1	3.4	1.3	3.7
Nursing and personal care facilities	805	19.8	13.9	7.8	5.9	18.5	13.3	7.1	5.3
Hospitals	806	10.2	3.5	2.1	6.7	8.5	3.3	2.0	5.2
Educational services	82	6.9	3.3	1.2	3.6	6.8	3.2	1.2	3.6
Elementary and secondary schools	821	7.3	3.4	1.3	3.9	7.2	3.3	1.2	3.8
Public administration		7.9	4.2	2.3	3.8	7.5	4.0	2.2	3.5
Executive, legislative, and general	91	7.9	4.3	2.4	3.6	7.5	4.1	2.3	3.4

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 Total lost workday cases involve days away from work, or days of restricted work activity, or both.

⁵ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

⁶ Excludes farms with fewer than 11 employees.

⁷ Data conforming to OSHA definitions 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. 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.

⁸ Data conforming to OSHA definitions 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.

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

¹⁰ 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.