



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

DAVID C. HOLLISTER
DIRECTOR

February 11, 2004

The Honorable Marc Shulman, Chair
House Consumer and Industry Services Subcommittee
Michigan House of Representatives
P.O. Box 30014
Lansing, Michigan 48909

Dear Representative Shulman:

In compliance with Section 317 of P.A. 167 of 2003, attached is the Annual Report on the number of individuals killed and the number of individuals injured on the job within industries regulated by the Bureau of Safety and Regulation for the year 2003.

This notification may also be viewed on our web site within 48 hours under "Inside CIS" at the following address: <http://www.michigan.gov/cis/>. If you have any questions regarding this information, please feel free to contact me at 373-3892.

Sincerely,

Allan R. Pohl
Director
Finance and Administrative Services

ARP:rct

cc: House Consumer & Industry Services Subcommittee
Robert Swanson
Mary Lannoye
Douglas Kalinowski
Dean Kimmith
Steve Stauff
Brian Keisling



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February 11, 2004

The Honorable Valde Garcia, Chair
Senate Consumer and Industry Services Subcommittee
Michigan State Senate
P.O. Box 30036
Lansing, Michigan 48909

Dear Senator Garcia:

In compliance with Section 317 of P.A. 167 of 2003, attached is the Annual Report on the number of individuals killed and the number of individuals injured on the job within industries regulated by the Bureau of Safety and Regulation for the year 2003.

This notification may also be viewed on our web site within 48 hours, under "Inside CIS" at the following address: <http://www.michigan.gov/cis/>. If you have any questions regarding this information, please feel free to contact me at 373-3892.

Sincerely,

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cc: Senate Consumer & Industry Services Subcommittee
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Douglas Kalinowski
Dean Kimmith
Maria Tyszkiewicz
Brian Keisling

REPORT TO THE LEGISLATURE
OCCUPATIONAL INJURIES, ILLNESSES
AND FATALITIES IN MICHIGAN

Developed by the
Bureau of Michigan Occupational Safety and Health Administration
Michigan Department of Labor and Economic Growth

January, 2004

MICHIGAN OCCUPATIONAL INJURIES, ILLNESSES AND FATALITIES

JANUARY, 2004

INTRODUCTION

The information that follows is presented in response to Section 317 of Public Act 527 of 2003. This section requires that the Department of Labor and Economic Growth, Bureau of Michigan Occupational Safety and Health Administration, provide an annual report by February 1 of each year "...to the appropriate house and senate appropriations subcommittees and the fiscal agencies on the number of individuals injured on the job within industries related by the bureau during the preceding calendar year."

"PROGRAM-RELATED" FATALITIES

The bureau records "program-related" fatalities. In general, this means that the incident related to the fatality may have resulted from a hazard or hazards that occurred based upon a failure to adhere to one or more Michigan Occupational Safety and Health Administration (MIOSHA) requirements. There were 51 such fatalities in Michigan during calendar year 2003. (See following table for data and definitions.)

WORKPLACE INJURIES AND ILLNESSES

A complete census of occupational illnesses and injuries for Michigan does not exist. However, the bureau cooperates with the U.S. Bureau of Labor Statistics to sample Michigan's employers to produce annual estimates of the number of occurrences of work-related illness and injuries. The 2003 survey collected the 2002 illness and injury occurrences of 5,609 Michigan employers. The employer sample was stratified by industry and the results were used to project total occurrence estimates. The four page table that follows the fatality data presents the results. Footnotes at the end of the table provide additional information about the methodology used. The sample excludes self-employed individuals, railroads, selected mining industries and the federal government.

INQUIRIES

Questions about these data may be directed to the MIOSHA Information Systems Section, Bureau of Michigan Occupational Safety and Health Administration (517) 322-1850.

**MIOSHA Program-Related Fatalities
Calendar Year 2003**

| | |
|----------------------------|------------------|
| Occupational Health | 3 |
| General Industry | 24 |
| Construction | <u>24</u> |
| TOTAL | 51* |

*Data current as of 01/05/04.

Source: MIOSHA Information Systems Section, Michigan Department of Labor and Economic Growth

NOTE: A fatality is recorded as "program-related" if it appears to be related to one or more of the following conditions:

- 1. The incident was found to have resulted from violations of MIOSHA safety and health standards or the general duty clause.**
- 2. The incident was considered to be the result of a failure to follow a good safety and health practice that would be the subject of a safety and health recommendation.**
- 3. The information describing the incident is insufficient to make a clear distinction between a "program-related" and "non-program-related" incident, but the type and nature of the injury indicates that there is a high probability that the injury was the result of a failure to adhere to one or more MIOSHA standards, the general duty clause, or good safety and health practice.**

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, 2002

Michigan

(In thousands)

| Industry ¹ | SIC code ² | 1998 Annual average employment 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 government ⁶ | | | 234.9 | 126.9 | 58.5 | 108.0 | 210.1 | -- | -- | -- |
| Private Industry ⁴ | | | 202.5 | 111.0 | 48.8 | 91.5 | 180.4 | -- | -- | -- |
| Agriculture, forestry, and fishing ⁶ | | | 2.5 | 1.2 | 0.8 | 1.4 | 2.2 | -- | -- | -- |
| Agricultural production ⁶ | 01-02 | -- | 0.8 | 0.4 | 0.2 | 0.4 | 0.7 | -- | -- | -- |
| Agricultural services | 07 | -- | 1.7 | 0.8 | 0.6 | 0.9 | 1.5 | -- | -- | -- |
| Mining ⁷ | | | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | -- | -- | -- |
| Construction | | | 13.1 | 6.7 | 5.1 | 6.4 | 12.8 | -- | -- | -- |
| General building contractors | 15 | -- | 3.0 | 1.6 | 1.3 | 1.3 | 2.9 | -- | -- | -- |
| Residential building construction | 152 | -- | 1.4 | 0.9 | 0.7 | 0.6 | 1.4 | -- | -- | -- |
| Nonresidential building construction | 154 | -- | 1.5 | 0.7 | -- | 0.7 | 1.5 | -- | -- | -- |
| Heavy construction, except building | 16 | -- | 1.2 | 0.7 | 0.5 | 0.6 | 1.2 | -- | -- | -- |
| Highway and street construction | 161 | -- | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | -- | -- | -- |
| Heavy construction, except highway | 162 | -- | 1.0 | 0.6 | 0.4 | 0.4 | 0.9 | -- | -- | -- |
| Special trade contractors | 17 | -- | 8.9 | 4.4 | 3.3 | 4.5 | 8.7 | -- | -- | -- |
| Plumbing, heating, air-conditioning | 171 | -- | 2.3 | 0.6 | 0.5 | 1.6 | 2.3 | -- | -- | -- |
| Electrical work | 173 | -- | 1.7 | 1.0 | 0.8 | 0.7 | 1.6 | -- | -- | -- |
| Masonry, stonework, and plastering | 174 | -- | 1.1 | 0.6 | 0.4 | 0.6 | 1.1 | -- | -- | -- |
| Carpentry and floor work | 175 | -- | 0.9 | 0.5 | 0.5 | 0.3 | 0.9 | -- | -- | -- |
| Roofing, siding, and sheet metal work | 176 | -- | 0.8 | 0.4 | 0.3 | 0.4 | 0.8 | -- | -- | -- |
| Concrete work | 177 | -- | 0.5 | 0.3 | 0.3 | 0.2 | 0.5 | -- | -- | -- |
| Miscellaneous special trade contractors | 179 | -- | 1.5 | 0.7 | 0.5 | 0.7 | 1.4 | -- | -- | -- |
| Manufacturing | | | 85.1 | 48.0 | 14.2 | 37.1 | 69.3 | -- | -- | -- |
| Durable goods | | | 68.1 | 37.4 | 10.5 | 30.7 | 54.9 | -- | -- | -- |
| Lumber and wood products | 24 | -- | 1.9 | 1.2 | 0.8 | 0.7 | 1.9 | -- | -- | -- |
| Millwork, plywood and structural members | 243 | -- | 0.9 | 0.5 | 0.2 | 0.4 | 0.8 | -- | -- | -- |
| Furniture and fixtures | 25 | -- | 4.2 | 2.7 | 0.6 | 1.5 | 3.4 | -- | -- | -- |
| Office furniture | 252 | -- | 1.3 | 0.8 | 0.2 | 0.5 | 0.8 | -- | -- | -- |
| Stone, clay, and glass products | 32 | -- | 1.8 | 1.0 | 0.5 | 0.8 | 1.6 | -- | -- | -- |
| Products of purchased glass | 323 | -- | 0.8 | 0.5 | 0.2 | 0.4 | 0.7 | -- | -- | -- |
| Concrete, gypsum, and plaster products | 327 | -- | 0.5 | 0.3 | 0.2 | 0.2 | 0.5 | -- | -- | -- |
| Primary metal industries | 33 | -- | 4.6 | 2.5 | 1.2 | 2.1 | 4.3 | -- | -- | -- |
| Blast furnace and basic steel products | 331 | -- | 1.1 | 0.5 | 0.2 | 0.6 | 1.1 | -- | -- | -- |
| Blast furnaces and steel mills | 3312 | -- | 0.7 | 0.2 | 0.1 | 0.5 | 0.7 | -- | -- | -- |
| Iron and steel foundries | 332 | -- | 1.3 | 0.8 | 0.3 | 0.5 | 1.3 | -- | -- | -- |
| Gray and ductile iron foundries | 3321 | -- | 0.7 | 0.3 | 0.1 | 0.4 | 0.7 | -- | -- | -- |
| Fabricated metal products | 34 | -- | 13.3 | 7.1 | 2.4 | 6.2 | 11.3 | -- | -- | -- |
| Cultery, handtools, and hardware | 342 | -- | 0.6 | 0.3 | 0.1 | 0.3 | 0.4 | -- | -- | -- |
| Fabricated structural metal products | 344 | -- | 1.6 | 0.8 | 0.3 | 0.8 | 1.4 | -- | -- | -- |
| Screw machine products, bolts, etc. | 345 | -- | 1.3 | 0.7 | 0.3 | 0.6 | 1.2 | -- | -- | -- |
| Bolts, nuts, rivets, and washers | 3452 | -- | 0.8 | 0.4 | 0.1 | 0.4 | 0.7 | -- | -- | -- |
| Metal forgings and stampings | 346 | -- | 6.8 | 3.4 | 1.1 | 3.4 | 5.6 | -- | -- | -- |
| Automotive stampings | 3465 | -- | 6.0 | 2.9 | 0.9 | 3.1 | 4.9 | -- | -- | -- |
| Metal services, n.e.c. | 347 | -- | 1.3 | 0.8 | 0.4 | 0.5 | 1.2 | -- | -- | -- |

See footnotes at end of table.

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, 2002 - Continued

Michigan

(In thousands)

| Industry ¹ | SIC code ² | 1998 Annual average employment 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 | |
| Plating and polishing | 3471 | -- | 0.8 | 0.5 | 0.2 | 0.3 | 0.6 | -- | -- | -- |
| Metal coating and allied services | 3479 | -- | 0.5 | 0.3 | 0.1 | 0.2 | 0.5 | -- | -- | -- |
| Miscellaneous fabricated metal products | 349 | -- | 1.7 | 1.1 | 0.2 | 0.6 | 1.4 | -- | -- | -- |
| Industrial machinery and equipment | 35 | -- | 10.7 | 4.8 | 1.7 | 5.9 | 10.1 | -- | -- | -- |
| Construction and related machinery | 353 | -- | 0.7 | 0.4 | 0.1 | 0.3 | 0.6 | -- | -- | -- |
| Metalworking machinery | 354 | -- | 5.8 | 2.5 | 0.9 | 3.3 | 5.7 | -- | -- | -- |
| Special dies, tools, jigs and fixtures | 3544 | -- | 4.2 | 1.7 | 0.6 | 2.5 | 4.1 | -- | -- | -- |
| Machine tool accessories | 3545 | -- | 0.5 | 0.2 | 0.1 | 0.3 | 0.5 | -- | -- | -- |
| Special industry machinery | 355 | -- | 0.4 | 0.1 | (¹⁰) | 0.3 | 0.3 | -- | -- | -- |
| General industrial machinery | 356 | -- | 1.1 | 0.5 | 0.2 | 0.6 | 1.0 | -- | -- | -- |
| Industrial machinery, n.e.c. | 359 | -- | 2.0 | 1.0 | 0.3 | 1.0 | 1.8 | -- | -- | -- |
| Industrial machinery, n.e.c. | 3599 | -- | 1.5 | 0.7 | 0.2 | 0.8 | 1.4 | -- | -- | -- |
| Electronic and other electric equipment | 36 | -- | 2.8 | 1.4 | 0.7 | 1.5 | 2.4 | -- | -- | -- |
| Household appliances | 363 | -- | 0.9 | 0.5 | 0.4 | 0.4 | 0.8 | -- | -- | -- |
| Transportation equipment | 37 | -- | 27.7 | 16.0 | 2.4 | 11.6 | 19.0 | -- | -- | -- |
| Motor vehicles and equipment | 371 | -- | 26.7 | 15.4 | 2.3 | 11.3 | 18.2 | -- | -- | -- |
| Motor vehicles and car bodies | 3711 | -- | 11.3 | 7.1 | 1.1 | 4.2 | 7.4 | -- | -- | -- |
| Motor vehicle parts and accessories | 3714 | -- | 14.8 | 7.9 | 1.1 | 6.9 | 10.2 | -- | -- | -- |
| Measuring and controlling devices | 382 | -- | 0.3 | 0.2 | (¹⁰) | 0.1 | 0.3 | -- | -- | -- |
| Medical instruments and supplies | 384 | -- | 0.3 | 0.1 | (¹⁰) | 0.2 | 0.2 | -- | -- | -- |
| Miscellaneous manufacturing industries | 39 | -- | 0.4 | 0.2 | 0.1 | 0.2 | 0.3 | -- | -- | -- |
| Nondurable goods | | -- | 17.0 | 10.6 | 3.7 | 6.4 | 14.4 | -- | -- | -- |
| Food and kindred products | 20 | -- | 3.6 | 2.4 | 0.8 | 1.2 | 3.3 | -- | -- | -- |
| Meat products | 201 | -- | 0.5 | 0.4 | 0.1 | 0.1 | 0.4 | -- | -- | -- |
| Dairy products | 202 | -- | 0.5 | 0.4 | 0.2 | 0.1 | 0.5 | -- | -- | -- |
| Preserved fruits and vegetables | 203 | -- | 0.5 | 0.3 | 0.1 | 0.2 | 0.5 | -- | -- | -- |
| Bakery products | 205 | -- | 0.7 | 0.4 | 0.1 | 0.2 | 0.6 | -- | -- | -- |
| Apparel and other textile products | 23 | -- | 1.3 | 0.7 | 0.1 | 0.5 | 0.7 | -- | -- | -- |
| Miscellaneous fabricated textile products | 239 | -- | 1.3 | 0.7 | 0.1 | 0.5 | 0.7 | -- | -- | -- |
| Automotive and apparel trimmings | 2396 | -- | 1.2 | 0.7 | -- | 0.5 | 0.6 | -- | -- | -- |
| Paper and allied products | 26 | -- | 1.4 | 0.8 | 0.4 | 0.6 | 1.4 | -- | -- | -- |
| Paperboard containers and boxes | 265 | -- | 0.5 | 0.4 | 0.2 | 0.2 | 0.5 | -- | -- | -- |
| Printing and publishing | 27 | -- | 1.9 | 1.2 | 0.5 | 0.7 | 1.7 | -- | -- | -- |
| Newspapers | 271 | -- | 0.8 | 0.5 | 0.2 | 0.3 | 0.7 | -- | -- | -- |
| Commercial printing | 275 | -- | 0.5 | 0.4 | 0.2 | 0.1 | 0.5 | -- | -- | -- |
| Commercial printing, lithographic | 2752 | -- | 0.3 | 0.2 | 0.1 | 0.1 | 0.3 | -- | -- | -- |
| Chemicals and allied products | 28 | -- | 1.6 | 0.8 | 0.2 | 0.8 | 1.2 | -- | -- | -- |
| Plastics materials and synthetics | 282 | -- | 0.1 | 0.1 | -- | 0.1 | 0.1 | -- | -- | -- |
| Drugs | 283 | -- | 0.8 | 0.3 | 0.1 | 0.5 | 0.5 | -- | -- | -- |
| Pharmaceutical preparations | 2834 | -- | 0.7 | 0.3 | 0.1 | 0.4 | 0.5 | -- | -- | -- |
| Rubber and miscellaneous plastics products | 30 | -- | 6.8 | 4.5 | 1.5 | 2.3 | 5.9 | -- | -- | -- |
| Miscellaneous plastics products, n.e.c. | 308 | -- | 5.9 | 3.9 | 1.3 | 2.0 | 5.1 | -- | -- | -- |
| Plastics products, n.e.c. | 3089 | -- | 4.8 | 3.3 | 1.0 | 1.5 | 4.1 | -- | -- | -- |
| Transportation and public utilities⁶ | | -- | 10.9 | 7.8 | 4.5 | 3.0 | 10.3 | -- | -- | -- |
| Local and interurban passenger transit | 41 | -- | 1.1 | 0.8 | 0.4 | 0.3 | 1.1 | -- | -- | -- |
| Trucking and warehousing | 42 | -- | 3.3 | 2.5 | 1.6 | 0.8 | 3.0 | -- | -- | -- |
| Transportation by air | 45 | -- | 2.8 | 2.3 | 1.5 | 0.5 | 2.7 | -- | -- | -- |
| Transportation services | 47 | -- | 0.7 | 0.4 | 0.2 | 0.3 | 0.7 | -- | -- | -- |

See footnotes at end of table.

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, 2002 - Continued

Michigan

(In thousands)

| Industry ¹ | SIC code ² | 1998 Annual average employment 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 | |
| Communications | 48 | -- | 1.0 | 0.7 | 0.5 | 0.3 | 0.9 | -- | -- | -- |
| Electric, gas, and sanitary services | 49 | -- | 1.8 | 1.1 | 0.3 | 0.7 | 1.7 | -- | -- | -- |
| Wholesale and retail trade | | | 45.3 | 23.7 | 11.9 | 21.6 | 43.4 | -- | -- | -- |
| Wholesale trade | | | 14.4 | 8.9 | 4.2 | 5.5 | 13.7 | -- | -- | -- |
| Wholesale trade—durable goods | 50 | -- | 7.7 | 4.4 | 1.8 | 3.3 | 7.5 | -- | -- | -- |
| Wholesale trade—nondurable goods | 51 | -- | 6.7 | 4.5 | 2.4 | 2.2 | 6.2 | -- | -- | -- |
| Retail trade | | | 30.9 | 14.8 | 7.7 | 16.1 | 29.8 | -- | -- | -- |
| Building materials and garden supplies | 52 | -- | 2.2 | 1.3 | 0.7 | 0.8 | 2.1 | -- | -- | -- |
| Lumber and other building materials | 521 | -- | 1.3 | 0.7 | 0.6 | -- | 1.3 | -- | -- | -- |
| Hardware stores | 525 | -- | 0.5 | 0.3 | 0.1 | 0.1 | 0.5 | -- | -- | -- |
| General merchandise stores | 53 | -- | 7.0 | 4.4 | 1.4 | 2.5 | 6.4 | -- | -- | -- |
| Food stores | 54 | -- | 4.8 | 2.4 | 1.6 | 2.4 | 4.7 | -- | -- | -- |
| Grocery stores | 541 | -- | 4.6 | 2.4 | 1.6 | 2.2 | 4.5 | -- | -- | -- |
| Retail bakeries | 546 | -- | (¹⁰) | (¹⁰) | (¹⁰) | (¹⁰) | (¹⁰) | -- | -- | -- |
| Automotive dealers and service stations | 55 | -- | 3.4 | 1.4 | 0.8 | 2.0 | 3.2 | -- | -- | -- |
| New and used car dealers | 551 | -- | 1.8 | 0.6 | 0.4 | 1.2 | 1.6 | -- | -- | -- |
| Gasoline service stations | 554 | -- | 0.7 | 0.4 | 0.2 | 0.3 | 0.7 | -- | -- | -- |
| Apparel and accessory stores | 56 | -- | 0.7 | 0.1 | 0.1 | 0.6 | 0.7 | -- | -- | -- |
| Furniture and homefurnishings stores | 57 | -- | 1.3 | 0.6 | 0.4 | 0.7 | 1.2 | -- | -- | -- |
| Eating and drinking places | 58 | -- | 9.1 | 3.5 | 2.1 | 5.6 | 9.0 | -- | -- | -- |
| Miscellaneous retail | 59 | -- | 2.4 | 1.0 | 0.7 | 1.4 | 2.4 | -- | -- | -- |
| Finance, insurance, and real estate | | | 4.0 | 2.1 | 1.2 | 1.9 | 3.7 | -- | -- | -- |
| Depository institutions | 60 | -- | 0.7 | 0.3 | 0.3 | 0.4 | 0.6 | -- | -- | -- |
| Insurance carriers | 63 | -- | 0.7 | 0.4 | 0.2 | 0.3 | 0.6 | -- | -- | -- |
| Real estate | 65 | -- | 2.0 | 1.2 | 0.5 | 0.7 | 1.8 | -- | -- | -- |
| Services | | | 41.4 | 21.4 | 11.1 | 20.0 | 38.6 | -- | -- | -- |
| Hotels and other lodging places | 70 | -- | 1.8 | 1.0 | 0.4 | 0.8 | 1.7 | -- | -- | -- |
| Personal services | 72 | -- | 1.4 | 0.8 | 0.5 | 0.5 | 1.3 | -- | -- | -- |
| Laundry, cleaning, and garment services | 721 | -- | 1.1 | 0.7 | 0.4 | -- | 1.0 | -- | -- | -- |
| Business services | 73 | -- | 2.2 | 1.4 | -- | 0.8 | 2.1 | -- | -- | -- |
| Auto repair, services, and parking | 75 | -- | 1.4 | 0.6 | 0.4 | 0.8 | 1.4 | -- | -- | -- |
| Automotive repair shops | 753 | -- | 0.9 | 0.4 | 0.2 | 0.5 | 0.9 | -- | -- | -- |
| Automotive services, except repair | 754 | -- | 0.4 | 0.2 | 0.1 | 0.2 | 0.4 | -- | -- | -- |
| Miscellaneous repair services | 76 | -- | 0.7 | 0.4 | 0.3 | 0.2 | 0.6 | -- | -- | -- |
| Motion pictures | 78 | -- | 0.2 | 0.1 | (¹⁰) | 0.1 | 0.1 | -- | -- | -- |
| Amusement and recreation services | 79 | -- | 1.9 | 1.1 | 0.5 | 0.8 | 1.8 | -- | -- | -- |
| Health services | 80 | -- | 25.5 | 12.2 | 6.2 | 13.3 | 23.3 | -- | -- | -- |
| Nursing and personal care facilities | 805 | -- | 7.3 | 4.7 | 2.1 | 2.6 | 7.0 | -- | -- | -- |
| Hospitals | 806 | -- | 14.8 | 6.0 | 3.0 | 8.8 | 13.4 | -- | -- | -- |
| Educational services | 82 | -- | 0.7 | 0.4 | 0.2 | 0.3 | 0.7 | -- | -- | -- |
| Colleges and universities | 822 | -- | 0.2 | 0.2 | 0.1 | (¹⁰) | 0.2 | -- | -- | -- |
| Social services | 83 | -- | 3.7 | 2.3 | 1.1 | 1.3 | 3.4 | -- | -- | -- |

See footnotes at end of table.

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, 2002 -- Continued

Michigan

(In thousands)

| Industry ¹ | SIC code ² | 1998 Annual average employment 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 | |
| State and local government | | -- | 32.4 | 15.9 | 9.7 | 16.5 | 29.7 | -- | -- | -- |
| State government | | -- | 5.9 | 2.8 | 1.5 | 3.1 | 5.5 | -- | -- | -- |
| Services | | -- | 4.5 | 1.9 | 0.8 | 2.6 | 4.2 | -- | -- | -- |
| Health services | 80 | -- | 1.7 | 0.7 | 0.3 | 1.0 | 1.6 | -- | -- | -- |
| Educational services | 82 | -- | 2.4 | 1.0 | 0.4 | 1.4 | 2.2 | -- | -- | -- |
| Colleges and universities | 822 | -- | 2.4 | 1.0 | 0.4 | 1.4 | 2.2 | -- | -- | -- |
| Social services | 83 | -- | 0.4 | 0.2 | 0.1 | 0.2 | 0.4 | -- | -- | -- |
| Public administration | | -- | 1.4 | 0.9 | 0.7 | 0.5 | 1.2 | -- | -- | -- |
| Justice, public order, and safety | 92 | -- | 0.9 | 0.5 | 0.5 | 0.3 | 0.8 | -- | -- | -- |
| Administration of human resources | 94 | -- | (¹⁰) | (¹⁰) | (¹⁰) | (¹⁰) | (¹⁰) | -- | -- | -- |
| Administration of economic programs | 96 | -- | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | -- | -- | -- |
| Local government | | -- | 26.5 | 13.1 | 8.2 | 13.4 | 24.2 | -- | -- | -- |
| Construction | | -- | 0.9 | 0.5 | 0.3 | 0.4 | 0.8 | -- | -- | -- |
| Services | | -- | 12.7 | 5.4 | 3.4 | 7.3 | 12.2 | -- | -- | -- |
| Hospitals | 806 | -- | 1.0 | 0.5 | 0.2 | 0.6 | 0.9 | -- | -- | -- |
| Educational services | 82 | -- | 10.4 | 4.1 | 2.7 | 6.3 | 10.1 | -- | -- | -- |
| Elementary and secondary schools | 821 | -- | 9.8 | 3.9 | 2.6 | 5.9 | 9.5 | -- | -- | -- |
| Public administration | | -- | 11.9 | 6.8 | 4.2 | 5.2 | 10.5 | -- | -- | -- |
| Executive, legislative, and general | 91 | -- | 11.3 | 6.3 | 3.8 | 5.0 | 9.9 | -- | -- | -- |