

**Table 1. Incidence rates<sup>1</sup> of nonfatal occupational injuries and illnesses by selected industries and case types, Michigan, 2020**

| Industry <sup>2</sup>  | NAICS code <sup>3</sup> | Total recordable cases | Cases with days away from work, job transfer, or restriction |   |  | Other recordable cases |
|--|-------------------------|------------------------|--|---|--|------------------------|
|  |                         |                        | Total  | Cases with days away from work <sup>4</sup> | Cases with job transfer or restriction |                        |
| All industries including state and local government <sup>5</sup> |                         | 3.3                    | 2.2  | 1.6   | 0.6                                    | 1.2                    |
| Private industry <sup>5</sup>                                    |                         | 3.1                    | 2.0  | 1.4   | 0.6                                    | 1.1                    |
| Goods-producing <sup>5</sup>                                     |                         | 2.8                    | 1.7  | 0.9   | 0.8                                    | 1.2                    |
| Natural resources and mining <sup>5,6</sup>                      |                         | 3.5                    | 1.7  | 1.3   | 0.5                                    | 1.7                    |
| Agriculture, forestry, fishing and hunting <sup>5</sup>          |                         | 3.9                    | 1.9  | 1.5   | 0.5                                    | 2.0                    |
| Crop production <sup>5</sup>                                     | 111                     | 2.6                    | 1.3  | 0.8   | --                                     | 1.3                    |
| Animal production and aquaculture <sup>5</sup>                   | 112                     | 5.3                    | 2.2  | 2.2   | --                                     | 3.1                    |
| Mining, quarrying, and oil and gas extraction <sup>6</sup>       |                         | 1.5                    | 0.7  | 0.4   | 0.4                                    | 0.7                    |
| Construction   |                         | 1.7                    | 1.1  | 0.9   | 0.2                                    | 0.6                    |
| Construction   |                         | 1.7                    | 1.1  | 0.9   | 0.2                                    | 0.6                    |
| Construction of buildings  | 236                     | 1.2                    | 0.8  | 0.7   | 0.1                                    | 0.4                    |
| Heavy and civil engineering construction                         | 237                     | 1.6                    | 0.8  | 0.7   | --                                     | 0.8                    |
| Specialty trade contractors                                      | 238                     | 1.9                    | 1.3  | 1.0   | 0.3                                    | 0.6                    |
| Manufacturing  |                         | 3.1                    | 1.8  | 0.9   | 1.0                                    | 1.3                    |
| Manufacturing  |                         | 3.1                    | 1.8  | 0.9   | 1.0                                    | 1.3                    |
| Food manufacturing   | 311                     | 6.0                    | 4.5  | 2.2   | 2.3                                    | 1.4                    |
| Beverage and tobacco product manufacturing                       | 312                     | 3.9                    | 3.0  | 1.3   | 1.7                                    | 0.9                    |
| Wood product manufacturing                                       | 321                     | 7.4                    | 4.7  | 2.4   | 2.2                                    | 2.7                    |
| Paper manufacturing  | 322                     | 2.0                    | 1.2  | 0.4   | 0.8                                    | 0.9                    |
| Printing and related support activities                          | 323                     | 1.8                    | 1.0  | 0.7   | 0.3                                    | --                     |
| Chemical manufacturing   | 325                     | 1.3                    | 0.9  | 0.7   | 0.2                                    | 0.4                    |

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| Plastics and rubber products manufacturing                   | 326                     | 3.0                    | 2.2  | 0.8   | 1.3                                    | 0.9                    |
| Nonmetallic mineral product manufacturing                    | 327                     | 2.8                    | 1.7  | 0.9   | 0.8                                    | 1.1                    |
| Primary metal manufacturing                                  | 331                     | 3.7                    | 1.5  | 0.8   | 0.7                                    | 2.2                    |
| Fabricated metal product manufacturing                       | 332                     | 3.6                    | 1.7  | 0.9   | 0.8                                    | 1.9                    |
| Machinery manufacturing                                      | 333                     | 2.5                    | 1.1  | 0.6   | 0.5                                    | 1.4                    |
| Computer and electronic product manufacturing                | 334                     | 1.7                    | 1.2  | 0.9   | 0.3                                    | 0.5                    |
| Electrical equipment, appliance, and component manufacturing | 335                     | 2.1                    | 1.2  | 0.5   | 0.7                                    | 0.9                    |
| Transportation equipment manufacturing                       | 336                     | 3.3                    | 2.0  | 0.8   | 1.2                                    | 1.3                    |
| Furniture and related product manufacturing                  | 337                     | 3.2                    | 1.7  | 0.8   | 0.8                                    | 1.5                    |
| Miscellaneous manufacturing                                  | 339                     | 1.5                    | 0.8  | 0.2   | 0.6                                    | 0.7                    |
| Service providing  |                         | 3.2                    | 2.2  | 1.6   | 0.5                                    | 1.0                    |
| Trade transportation and utilities                           |                         | 2.8                    | 2.0  | 1.1   | 0.9                                    | 0.8                    |
| Wholesale trade  |                         | 2.5                    | 2.0  | 1.1   | 0.9                                    | 0.5                    |
| Merchant wholesalers, durable goods                          | 423                     | 2.4                    | 1.8  | 0.9   | 0.8                                    | 0.6                    |
| Merchant wholesalers, nondurable goods                       | 424                     | 2.9                    | 2.5  | 1.3   | 1.2                                    | 0.4                    |
| Retail trade   |                         | 2.5                    | 1.6  | 0.8   | 0.8                                    | 0.9                    |
| Motor vehicle and parts dealers                              | 441                     | 2.6                    | 1.4  | 0.9   | 0.5                                    | 1.2                    |
| Building material and garden equipment and supplies dealers  | 444                     | 4.5                    | 2.4  | 1.2   | 1.3                                    | 2.1                    |
| Food and beverage stores                                     | 445                     | 3.2                    | 2.5  | 1.4   | 1.1                                    | 0.8                    |
| Health and personal care stores                              | 446                     | 0.8                    | 0.5  | --  | --                                     | 0.3                    |
| Clothing and clothing accessories stores                     | 448                     | --                     | --   | --  | --                                     | --                     |

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| Sporting goods, hobby, musical instrument, and book stores | 451                     | 1.4                    | 0.5  | --  | --                                     | 0.8                    |
| General merchandise stores                                 | 452                     | 3.3                    | 2.3  | 1.0   | 1.3                                    | 1.1                    |
| Miscellaneous store retailers                              | 453                     | 0.8                    | 0.3  | --  | 0.3                                    | 0.4                    |
| Transportation and warehousing <sup>8</sup>                |                         | 4.0                    | 3.2  | 1.8   | 1.4                                    | 0.8                    |
| Air transportation   | 481                     | 2.5                    | 2.2  | 1.6   | 0.7                                    | 0.2                    |
| Truck transportation                                       | 484                     | 3.6                    | 2.8  | 2.2   | 0.5                                    | 0.9                    |
| Transit and ground passenger transportation                | 485                     | 2.7                    | 1.5  | 0.9   | 0.6                                    | --                     |
| Support activities for transportation                      | 488                     | 2.7                    | 1.8  | 1.3   | 0.5                                    | 0.9                    |
| Couriers and messengers                                    | 492                     | 6.0                    | 4.9  | 2.2   | 2.7                                    | 1.1                    |
| Warehousing and storage                                    | 493                     | 5.7                    | 4.9  | 1.5   | 3.4                                    | 0.8                    |
| Utilities  |                         | 1.3                    | 0.8  | 0.5   | 0.4                                    | 0.5                    |
| Utilities  | 221                     | 1.3                    | 0.8  | 0.5   | 0.4                                    | 0.5                    |
| Information  |                         | 0.7                    | 0.4  | 0.3   | 0.1                                    | 0.3                    |
| Information  |                         | 0.7                    | 0.4  | 0.3   | 0.1                                    | 0.3                    |
| Telecommunications   | 517                     | 1.8                    | 1.1  | 0.9   | 0.3                                    | 0.6                    |
| Financial activities                                       |                         | 0.7                    | 0.4  | --  | 0.1                                    | 0.3                    |
| Finance and insurance                                      |                         | --                     | --   | --  | --                                     | --                     |
| Insurance carriers and related activities                  | 524                     | 0.1                    | --   | --  | --                                     | 0.1                    |
| Real estate and rental and leasing                         |                         | 1.7                    | 0.8  | 0.4   | 0.4                                    | 0.9                    |
| Real estate  | 531                     | 1.9                    | 0.9  | 0.5   | 0.4                                    | 1.0                    |
| Professional and business services                         |                         | 1.1                    | 0.4  | 0.3   | 0.2                                    | 0.6                    |

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| Professional, scientific, and technical services                         |                         | 0.7                    | 0.2  | 0.1   | 0.1                                    | 0.5                    |
| Management of companies and enterprises                                  |                         | 0.5                    | 0.2  | 0.1   | 0.1                                    | 0.2                    |
| Administrative and support and waste management and remediation services |                         | --                     | --   | --  | --                                     | --                     |
| Waste management and remediation services                                | 562                     | 2.7                    | 2.2  | 1.6   | 0.6                                    | 0.5                    |
| Educational and health services  |                         | 8.1                    | 5.9  | 5.2   | 0.7                                    | 2.1                    |
| Educational services   |                         | 0.5                    | 0.2  | 0.2   | 0.1                                    | 0.3                    |
| Educational services   | 611                     | 0.5                    | 0.2  | 0.2   | 0.1                                    | 0.3                    |
| Health care and social assistance  |                         | 8.7                    | 6.4  | 5.6   | 0.8                                    | 2.3                    |
| Ambulatory health care services  | 621                     | 4.1                    | 2.6  | 2.4   | 0.2                                    | 1.5                    |
| Hospitals  | 622                     | 13.4                   | 9.7  | 8.6   | 1.0                                    | 3.8                    |
| Nursing and residential care facilities                                  | 623                     | 12.4                   | 10.7   | 9.1   | 1.6                                    | 1.7                    |
| Social assistance  | 624                     | 2.2                    | 1.2  | 0.7   | 0.5                                    | 1.0                    |
| Leisure and hospitality  |                         | 2.6                    | 1.1  | 0.6   | 0.5                                    | 1.5                    |
| Arts, entertainment, and recreation                                      |                         | --                     | --   | --  | --                                     | --                     |
| Amusement, gambling, and recreation industries                           | 713                     | 1.4                    | 0.6  | 0.4   | --                                     | 0.9                    |
| Accommodation and food services  |                         | 2.3                    | 0.9  | 0.6   | 0.3                                    | 1.3                    |
| Accommodation  | 721                     | 2.6                    | 1.6  | 0.7   | 0.9                                    | 1.0                    |
| Food services and drinking places  | 722                     | 2.2                    | 0.8  | 0.6   | 0.2                                    | 1.4                    |
| Other services (except public administration)                            |                         | 1.7                    | 1.1  | 0.8   | 0.3                                    | 0.6                    |
| Other services (except public administration)                            |                         | 1.7                    | 1.1  | 0.8   | 0.3                                    | 0.6                    |
| Personal and laundry services  | 812                     | 2.2                    | 1.4  | 0.7   | 0.7                                    | 0.8                    |
| State and local government <sup>5</sup>                                  |                         | 5.1                    | 3.2  | 2.7   | 0.4                                    | 1.9                    |

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|  |                         |                        | Total  | Cases with days away from work <sup>4</sup> | Cases with job transfer or restriction |                        |
| State government <sup>5</sup>                |                         | 5.3                    | 4.3  | 3.9   | 0.4                                    | 1.0                    |
| Service providing                            |                         | 5.3                    | 4.3  | 3.9   | 0.4                                    | 1.0                    |
| Educational and health services              |                         | 3.3                    | 2.0  | 1.6   | 0.4                                    | 1.3                    |
| Educational services                         |                         | 1.3                    | 0.7  | 0.4   | 0.3                                    | 0.6                    |
| Educational services                         | 611                     | 1.3                    | 0.7  | 0.4   | 0.3                                    | 0.6                    |
| Health care and social assistance            |                         | 7.2                    | 4.4  | 3.9   | 0.5                                    | 2.8                    |
| Hospitals                                    | 622                     | 8.9                    | 5.3  | 4.7   | 0.6                                    | 3.6                    |
| Nursing and residential care facilities      | 623                     | 16.5                   | 13.9   | 13.3  | --                                     | 2.5                    |
| Public administration                        |                         | 10.9                   | 10.6   | 10.2  | 0.4                                    | 0.3                    |
| Public administration                        |                         | 10.9                   | 10.6   | 10.2  | 0.4                                    | 0.3                    |
| Justice, public order, and safety activities | 922                     | 21.8                   | 21.3   | 20.5  | 0.8                                    | 0.6                    |
| Local government <sup>5</sup>                |                         | 5.0                    | 2.6  | 2.1   | 0.4                                    | 2.4                    |
| Goods-producing <sup>5</sup>                 |                         | 8.2                    | 2.0  | 1.9   | --                                     | --                     |
| Service providing                            |                         | 4.9                    | 2.6  | 2.2   | 0.4                                    | 2.3                    |
| Trade transportation and utilities           |                         | --                     | --   | --  | --                                     | --                     |
| Utilities                                    |                         | 2.4                    | 1.6  | --  | 0.9                                    | 0.8                    |
| Utilities                                    | 221                     | 2.4                    | 1.6  | --  | 0.9                                    | 0.8                    |
| Educational and health services              |                         | 4.2                    | 2.3  | 2.1   | 0.2                                    | 1.9                    |
| Educational services                         |                         | 2.7                    | 1.1  | 0.9   | 0.2                                    | 1.7                    |
| Educational services                         | 611                     | 2.7                    | 1.1  | 0.9   | 0.2                                    | 1.7                    |
| Health care and social assistance            |                         | 14.7                   | 10.9   | 10.4  | 0.5                                    | 3.8                    |

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|                       |                         |                        | Total  | Cases with days away from work <sup>4</sup> | Cases with job transfer or restriction |                        |
| Public administration |                         | 6.3                    | 3.1  | 2.3   | 0.8                                    | 3.2                    |
| Public administration |                         | 6.3                    | 3.1  | 2.3   | 0.8                                    | 3.2                    |

<sup>1</sup> Incidence rates represent the number of injuries and/or illnesses per 100 full-time workers and were calculated as:  $(N / EH) \times 200,000$  where,

N = number of injuries and/or illnesses

EH = total hours worked by all employees during the calendar year

200,000 = base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year).

<sup>2</sup> Totals include data for industries not shown separately.

<sup>3</sup> Data are coded using the North American Industry Classification System (NAICS). For more information on the version of NAICS used in this year, see our Handbook of Methods concepts page: <https://www.bls.gov/opub/hom/soii/concepts.htm>.

<sup>4</sup> Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

<sup>5</sup> Excludes farms with fewer than 11 employees.

<sup>6</sup> Data for Mining (Sector 21 in the North American Industry Classification System) 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 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 of other industries.

<sup>7</sup> 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.

<sup>8</sup> Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

<sup>9</sup> 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, May 17, 2022