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Coronavirus



CORONAVIRUS / MICHIGAN DATA

This information is updated daily at 3 p.m., with COVID-19 results included as of 10 a.m.

***Note on deaths (05/23/20):** Regular reviews of death certificate data maintained in Vital Records reporting systems are conducted by MDHHS staff three times per week. As a part of this process, records that identify COVID-19 infection as a contributing factor to death are compared against all laboratory confirmed cases of COVID-19 in the Michigan Disease Surveillance System (MDSS). If a death certificate is matched to a confirmed COVID-19 case and that record in the MDSS does not indicate the individual died, the MDSS record is updated to indicate the death and the appropriate local health department is notified. These matched deaths are then included with mortality information posted to the Michigan Coronavirus website. As a result of the most recent assessment, today's data includes 44 additional deaths identified by this methodology.

Confirmed COVID-19 Cases by Jurisdiction updated 5/23/2020

| County | Confirmed Cases | Reported Deaths |
|----------------|-----------------|-----------------|
| Alcona | 10 | 1 |
| Allegan | 202 | 7 |
| Alpena | 94 | 9 |
| Antrim | 11 | |
| Arenac | 32 | 1 |
| Baraga | 1 | |
| Barry | 59 | 2 |
| Bay | 276 | 19 |
| Benzie | 4 | |
| Berrien | 584 | 42 |
| Branch | 100 | 2 |
| Calhoun | 339 | 21 |
| Cass | 76 | 2 |
| Charlevoix | 14 | 1 |
| Cheboygan | 21 | 1 |
| Chippewa | 2 | |
| Clare | 17 | 2 |
| Clinton | 137 | 10 |
| Crawford | 58 | 5 |
| Delta | 17 | 2 |
| Detroit City | 10646 | 1324 |
| Dickinson | 5 | 2 |
| Eaton | 175 | 6 |
| Emmet | 21 | 2 |
| Genesee | 1936 | 240 |
| Gladwin | 17 | 1 |
| Gogebic | 5 | 1 |
| Grand Traverse | 23 | 5 |
| Gratiot | 67 | 5 |
| Hillsdale | 168 | 24 |
| Houghton | 2 | |
| Huron | 42 | 1 |
| Ingham | 695 | 25 |
| Ionia | 141 | 3 |
| Iosco | 77 | 9 |
| Isabella | 70 | 7 |
| Jackson | 432 | 26 |

| County | Confirmed Cases | Reported Deaths |
|--------------------|------------------------|------------------------|
| Kalamazoo | 793 | 47 |
| Kalkaska | 19 | 2 |
| Kent | 3308 | 67 |
| Lake | 5 | |
| Lapeer | 187 | 30 |
| Leelanau | 11 | |
| Lenawee | 145 | 3 |
| Livingston | 390 | 26 |
| Luce | 3 | |
| Mackinac | 6 | |
| Macomb | 6482 | 778 |
| Manistee | 11 | |
| Marquette | 53 | 10 |
| Mason | 31 | |
| Mecosta | 19 | 2 |
| Menominee | 8 | |
| Midland | 79 | 8 |
| Missaukee | 16 | 1 |
| Monroe | 461 | 19 |
| Montcalm | 66 | 1 |
| Montmorency | 5 | |
| Muskegon | 583 | 28 |
| Newaygo | 79 | |
| Oakland | 8192 | 954 |
| Oceana | 74 | 2 |
| Ogemaw | 20 | |
| Osceola | 10 | |
| Oscoda | 5 | 1 |
| Otsego | 100 | 10 |
| Ottawa | 673 | 26 |
| Presque Isle | 11 | |
| Roscommon | 21 | |
| Saginaw | 982 | 105 |
| Sanilac | 39 | 5 |
| Schoolcraft | 4 | |
| Shiawassee | 238 | 24 |
| St Clair | 429 | 34 |
| St Joseph | 100 | 2 |
| Tuscola | 183 | 23 |
| Van Buren | 121 | 6 |
| Washtenaw | 1282 | 96 |
| Wayne | 9051 | 1037 |
| Wexford | 11 | 2 |
| MDOC* | 3289 | 62 |
| FCI** | 129 | 4 |
| Unknown | 4 | |
| Out of State | 61 | |
| Grand Total | 54365 | 5223 |

*Michigan Department of Corrections

**Federal Correctional Institute*Michigan Department of Corrections

Note on cumulative counts: This report is provisional and subject to change. As public health investigations of individual cases continue, there will be corrections to the status and details of referred cases that result in changes to this report. *City of Detroit and Wayne County are reported separately*

Note on the deaths: Deaths must be reported by health care providers, medical examiners/coroners, and recorded by

ocal health departments in order to be counted.

Note on jurisdictional classification: In order to provide more accurate data, the “Other” jurisdiction category will no longer be used. Michigan Department of Corrections cases will be listed under “MDOC”. Federal Correctional Institution cases will be listed under “FCI”.

Note on Case Fatality Rate: The case fatality rate is the number of people who have died from causes associated with COVID-19 out of the total number of people with confirmed COVID-19 infections. It is used as one measure of illness severity. Several factors can affect this number. Until recently, COVID-19 lab testing has prioritized for hospitalized individuals due to limited testing availability. As a result, COVID-19 infections were identified more often in people who were more severely ill. This would lead to a higher case fatality rate. As more people with mild illness are tested, it is likely the case fatality rate will go down.

- [DAILY COUNTS](#)
- [LAB TESTING](#)
- [DATA ABOUT PLACES](#)
- [LONG TERM CARE FACILITIES](#)
- [CORONAVIRUS SYMPTOMS](#)

Cumulative Total of Recovered COVID-19 Cases (as of 5/22/2020): **33,168**

Note on recovery: During this response, MDHHS is reviewing vital records statistics to identify any laboratory confirmed COVID-19 cases who are 30 days out from their onset of illness to represent recovery status. As the pandemic continues to impact Michigan, this pool will expand to include more cases. Recovered is defined as the number of persons with a confirmed COVID-19 diagnosis who are alive 30 days post-onset (or referral date if onset is not available). The number of persons recovered on May 22, 2020 represents COVID-19 confirmed individuals with an onset date on or prior to April 22, 2020. If an individual dies from a COVID-related cause >30 days from onset/referral, they are removed from the number of persons recovered. These numbers will be updated every Saturday.

Source: Michigan Disease Surveillance System and Vital Records

Age Data of Overall Deceased

| | |
|-------------|-------------|
| Average Age | 75.3 years |
| Median Age | 77 years |
| Age Range | 5-107 years |

Overall Case Fatality Rate

| | |
|---------------------------|-----|
| Statewide Confirmed Cases | 10% |
|---------------------------|-----|

Cases by Sex

| Sex | Percentage of Overall Cases by Sex | Percentage of Deceased Cases by Sex |
|---------|------------------------------------|-------------------------------------|
| Male | 47% | 53% |
| Female | 53% | 47% |
| Unknown | <1% | <1% |

Totals may not add to 100% due to rounding

Cases by Age

| Age | Percentage of Overall Cases by Age | Percentage of Deceased Cases by Age |
|------------|---|--|
| 0 to 19 | 3% | <1% |
| 20 to 29 | 11% | <1% |
| 30 to 39 | 14% | 1% |
| 40 to 49 | 16% | 3% |
| 50 to 59 | 18% | 8% |
| 60 to 69 | 16% | 18% |
| 70 to 79 | 11% | 27% |
| 80+ | 11% | 42% |
| Unknown | <1% | <1% |

Totals may not add to 100% due to rounding

Cases by Race

| Race | Percentage of Overall Cases by Race | Percentage of Deceased Cases by Race |
|----------------------------------|--|---|
| American Indian or Alaska Native | <1% | <1% |
| Asian/Pacific Islander | 2% | 1% |
| Black or African American | 31% | 40% |
| Caucasian | 36% | 51% |
| Multiple Races | 8% | 2% |
| Other | 5% | 2% |
| Unknown | 18% | 4% |

Totals may not add to 100% due to rounding

Cases by Hispanic/Latino Ethnicity

| Hispanic/Latino Ethnicity | Percentage of Overall Cases by Ethnicity | Percentage of Deceased Cases by Ethnicity |
|----------------------------------|---|--|
| Hispanic/Latino | 6% | 2% |
| Non-Hispanic Latino | 63% | 81% |
| Unknown | 31% | 17% |

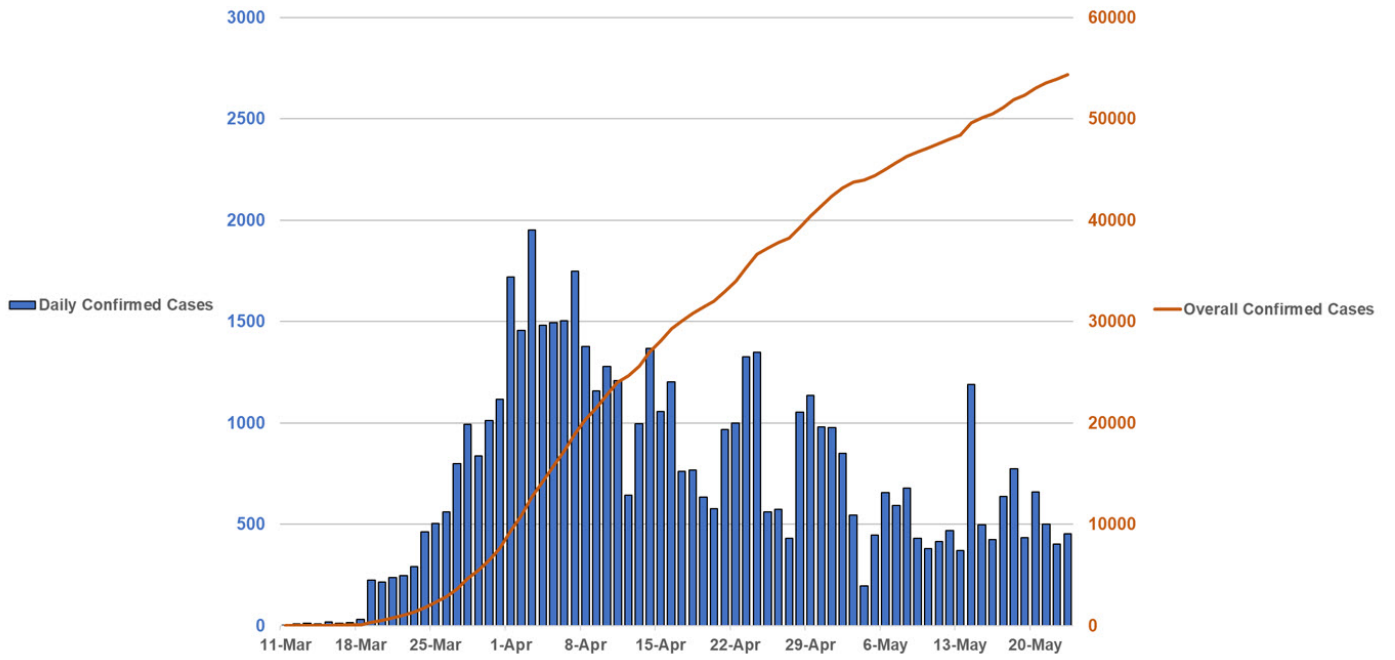
Totals may not add to 100% due to rounding

Cases by Arab Ethnicity

| Arab Ethnicity | Percentage of Overall Cases by Ethnicity | Percentage of Deceased Cases by Ethnicity |
|-----------------------|---|--|
| Arab | 2% | 1% |
| Non-Arab | 36% | 38% |
| Unknown | 62% | 60% |

Totals may not add to 100% due to rounding

Michigan COVID-19 Confirmed Case Epi-Curve and Cumulative Cases



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