

## Michigan Data

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

**\*Note on 4/16/20 death data:** MDHHS staff has put in place, a weekly review death certificate data maintained in Vital Records reporting systems. 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 a death, 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 this week's assessment, today's data includes 65 additional deaths that have been identified through this methodology.

Confirmed COVID-19 Cases by Jurisdiction updated 4/16/2020

County	Confirmed Cases	Reported Deaths	Case Fatality Rate
Alcona	1		
Allegan	25		
Alpena	2		
Antrim	9		
Arenac	7		
Baraga	1		
Barry	20	1	5%
Bay	67	2	3%
Berrien	133	7	5%
Branch	31	2	6%
Calhoun	119	4	3%
Cass	19	1	5%
Charlevoix	11	1	9%
Cheboygan	12	1	8%
Clare	7	1	14%
Clinton	102	6	6%
Crawford	18	1	6%
Delta	10	1	10%
Detroit City	7383	546	7%
Dickinson	3	2	67%
Eaton	84	5	6%
Emmet	21	2	10%
Genesee	1147	99	9%
Gladwin	8		
Gogebic	4	1	25%
Grand Traverse	17	3	18%
Gratiot	7		
Hillsdale	84	9	11%
Houghton	2		
Huron	8		
Ingham	278	6	2%
Ionia	20	2	10%
Iosco	6	1	17%
Isabella	45	5	11%
Jackson	209	8	4%
Kalamazoo	118	8	7%
Kalkaska	17	2	12%

County	Confirmed Cases	Reported Deaths	Case Fatality Rate
Kent	385	17	4%
Lake	2		
Lapeer	131	13	10%
Leelanau	6		
Lenawee	59		
Livingston	263	9	3%
Luce	1		
Mackinac	4		
Macomb	3992	354	9%
Manistee	11		
Marquette	27	5	19%
Mason	4		
Mecosta	11	1	9%
Menominee	1		
Midland	41	1	2%
Missaukee	3	1	33%
Monroe	217	10	5%
Montcalm	23	1	4%
Montmorency	2		
Muskegon	110	5	5%
Newaygo	7		
Oakland	5778	420	7%
Oceana	3	1	33%
Ogemaw	5		
Osceola	6		
Oscoda	4		
Otsego	44	2	5%
Ottawa	82	2	2%
Presque Isle	2		
Roscommon	9		
Saginaw	349	20	6%
Sanilac	25	2	8%
Schoolcraft	3		
Shiawassee	70	2	3%
St Clair	232	8	3%
St Joseph	23	1	4%
Tuscola	50	10	20%
Van Buren	26	2	8%
Washtenaw	826	25	3%
Wayne	5619	435	8%
Wexford	7	1	14%
MDOC*	486	12	2%
FCI**	39		
Unknown	76	4	5%
Out of State	144	2	1%
<b>Totals</b>	<b>29263</b>	<b>2093</b>	<b>7%</b>

City of Detroit and Wayne County are reported separately.

\*Michigan Department of Corrections

\*\*Federal Correctional Institute

**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.

**Note on the deaths:** Deaths must be reported by health care providers, medical examiners/coroners, and recorded by local 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:** As of 4/16/2020, the MDHHS is including a case fatality rate for jurisdictions with at least one confirmed case of COVID-19 infection. The case fatality rate is the proportion of people who have died from causes associated with confirmed COVID-19 infection. It is often used as one of the measures of the severity of illness. However, it is important to note several factors can affect this measurement. The methodology employed to identify confirmed cases of illness can impact on the case fatality rate if the cases identified are more likely to be among people with serious illness. A testing strategy that has historically included prioritizing limited testing resources toward confirming infection of hospitalized cases of disease can lead to the overestimation of serious consequences greater than experienced by the entire population of ill persons. The impact of a low number of cases in any specific jurisdiction can contribute to a less accurate and a falsely high proportion of deaths. The results also hinge on public health's ability to identify and include all associated deaths.

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#### Age Data of Overall Deceased

Average Age	73.6 years
Median Age	75 years
Age Range	20-107 years

#### Cases by Sex

Sex	Percentage of Overall Cases by Sex	Percentage of Deceased Cases by Sex
Male	45%	57%
Female	54%	43%
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	1%	0%
20 to 29	9%	<1%
30 to 39	13%	1%
40 to 49	16%	4%
50 to 59	20%	10%
60 to 69	18%	19%
70 to 79	13%	27%
80+	10%	37%
Unknown	<1%	0%

**\*\*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%

Race	Percentage of Overall Cases by Race	Percentage of Deceased Cases by Race
Asian/Pacific Islander	1%	1%
Black or African American	33%	41%
Caucasian	28%	41%
Multiple Races	5%	2%
Other	3%	2%
Unknown	29%	13%

**\*\*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	2%	1%
Non-Hispanic Latino	54%	69%
Unknown	44%	30%

**\*\*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	1%	1%
Non-Arab	21%	20%
Unknown	78%	79%

**\*\*Totals may not add to 100% due to rounding\*\***

**Cumulative Total of Recovered COVID-19 Cases (as of 4/10/2020): 433**

**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 April 10, 2020 represents COVID-19 confirmed individuals with an onset date on or prior to March 11, 2020. These numbers will be updated every Saturday.

Source: Michigan Disease Surveillance System and Vital Records



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