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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

<b>County</b>	<b>Confirmed Cases</b>	<b>Reported Deaths</b>
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	
<b>Grand Total</b>	<b>54365</b>	<b>5223</b>

\*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.

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- [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%
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#### 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**

<b>Age</b>	<b>Percentage of Overall Cases by Age</b>	<b>Percentage of Deceased Cases by Age</b>
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**

<b>Race</b>	<b>Percentage of Overall Cases by Race</b>	<b>Percentage of Deceased Cases by Race</b>
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**

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

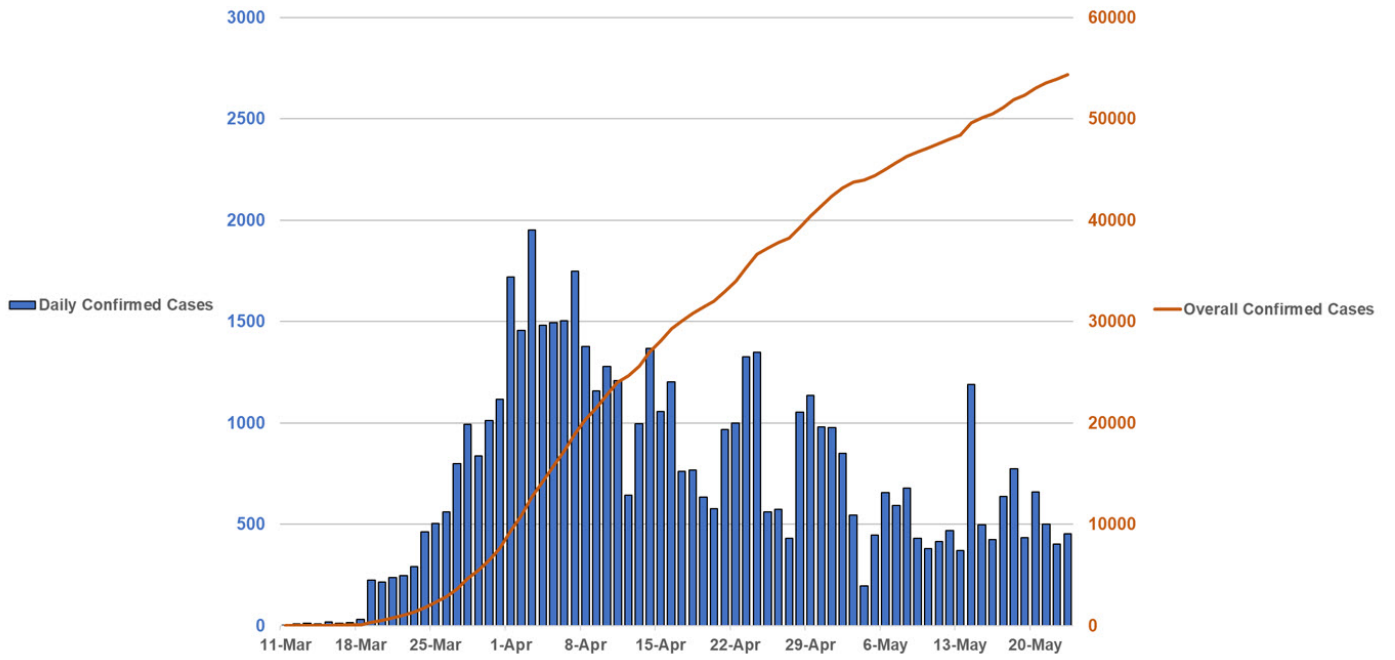
*Totals may not add to 100% due to rounding*

**Cases by Arab Ethnicity**

<b>Arab Ethnicity</b>	<b>Percentage of Overall Cases by Ethnicity</b>	<b>Percentage of Deceased Cases by Ethnicity</b>
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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