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Cumulative Michigan COVID-19 Data

Michigan COVID-19 State Data

3-23-2021

2021-03-23_MichiganOverview_COVIDstats

Michigan Department of Health & Human Services

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Reporting

School-Related
Outbreak
Reporting

Wastewater
Surveillance

Testing
Turnaround
Time

MIS-C Data
and Reporting

Data and
Modeling
Updates

Note on deaths (03/23/21): 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 **8** additional deaths identified by this methodology.

The State of Michigan is working around the clock to test and treat COVID-19 patients. Below is the most recent data healthcare experts across the state have compiled. It is updated Monday - Saturday.

CURRENT STATUS

DAILY CASES

CUMULATIVE TRENDS

DEMOGRAPHICS

TOTAL TESTING

DIAGNOSTIC TESTING

LEARN MORE

View Cases

View Deaths

View Table

Select Preparedness Region:

All

Select County:

All

This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection point of care (POC) tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

COVID-19 Cases by County

Confirmed cases include individuals with a positive diagnostic test for COVID-19. Probable cases include individuals with COVID-19 symptoms and an epidemiologic link to confirmed COVID-19, but no diagnostic test.

Cases by County

24-469

470-2580

2581-12287

12288-81959

81960+

Michigan

Tuesday, March 23, 2021

Michigan (Statewide) Case Fatality Rate

2.5%

Current Totals

Case Status	Cases	Deaths
Confirmed	633,191	15,919
Probable	68,187	1,013
Total	701,378	16,932

Laboratory Testing

Test Type	Tests Performed
Diagnostic	11,183,009
Serology	555,487
Total	11,738,496

Microsoft Power BI

< 1 of 7 >

Cases by Hispanic/Latino Ethnicity

https://www.michigan.gov/coronavirus/0,9753,7-406-98163_98173---,00.html

1/2

PUBLIC USE DATASETS 03/23/2021

(Downloadable .xlsx files)

[Cases and Deaths by County](#)[Cases and Deaths by County by Date of Onset of Symptoms and Date of Death](#)[Cases by Demographics Statewide](#)[COVID-19 Tests by County](#)[Diagnostic Tests by Result and County](#)

Hispanic/Latino Ethnicity	Percentage of Overall Cases by Ethnicity	Percentage of Deceased Cases by Ethnicity
Hispanic/Latino	5.58%	3.07%
Non-Hispanic Latino	70.76%	84.28%
Unknown	23.65%	12.65%

*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	2.95%	1.75%
Non-Arab	52.59%	55.94%
Unknown	44.46%	42.31%

Totals may not add to 100% due to rounding

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[MICHIGAN.GOV HOME](#)
[ADA](#)
[MICHIGAN NEWS](#)
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Cumulative Total of Recovered COVID-19 Cases

Cumulative Total of Recovered COVID-19 Cases (as of 03/19/2021): **562,775**

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 March 19, 2021 represents COVID-19 confirmed individuals with an onset date on or prior to February 17, 2021. 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



Have questions?
 Chat with Robin

[View Cases](#)[View Deaths](#)[View Table](#)

Select Preparedness Region:

All



Select County:

All



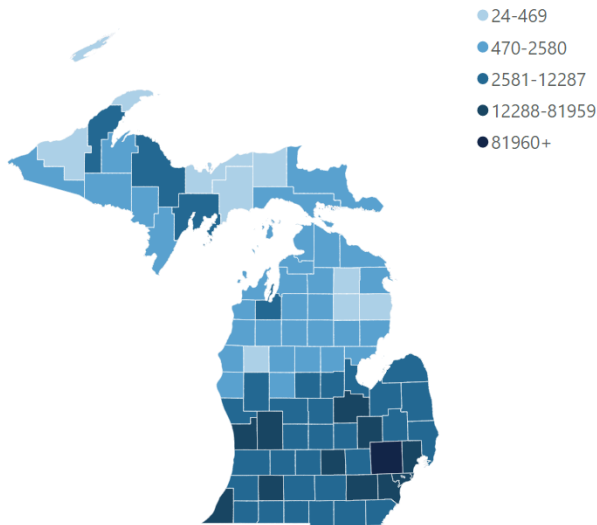
This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection point of care (POC) tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

COVID-19 Cases by County

Confirmed cases include individuals with a positive diagnostic test for COVID-19. Probable cases include individuals with COVID-19 symptoms and an epidemiologic link to confirmed COVID-19, but no diagnostic test.

Cases by County



Michigan

Tuesday, March 23, 2021

Michigan (Statewide) Case Fatality Rate

2.5%

Current Totals

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Laboratory Testing

Test Type	Tests Performed
Diagnostic	11,183,009
Serology	555,487
Total	11,738,496

[View Cases](#)[View Deaths](#)[View Table](#)

Select Preparedness Region:

All



Select County:

All



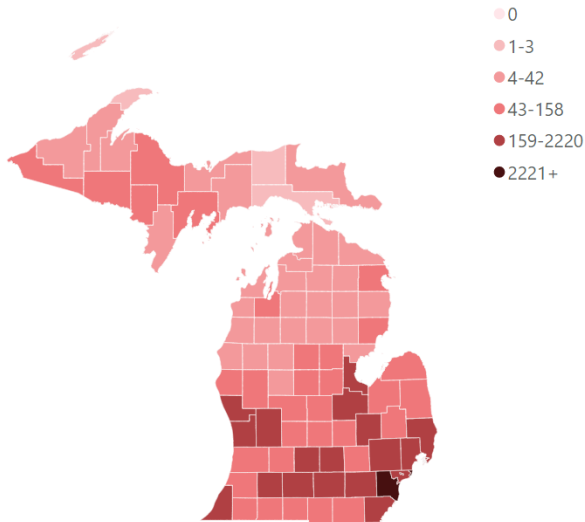
This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection point of care (POC) tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

COVID-19 Deaths by County

Confirmed deaths include individuals who had a confirmed COVID-19 infection and are classified as deceased by the case investigation, have COVID-19 indicated as a cause of death on their death certificate, or who die within 30 days of infection and their manner of death is listed as natural. Probable deaths include individuals who have COVID indicated on their death certificate, but have not had a positive diagnostic test.

Deaths by County



Michigan

Tuesday, March 23, 2021

Michigan (Statewide) Case Fatality Rate

2.5%

Current Totals

Case Status	Cases	Deaths
Confirmed	633,191	15,919
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Laboratory Testing

Test Type	Tests Performed
Diagnostic	11,183,009
Serology	555,487
Total	11,738,496

Confirmed Cases

Deaths

View Table

Select Preparedness Region:

All



Select County:

All



Cases are shown by onset date or by lab specimen collection date if onset date was unavailable. Deaths are shown by date of death or date of last status update if date of death was unavailable. Tracking of probable cases and deaths did not begin until April 5, 2020, therefore only probable cases referred for investigation on or after April 5, 2020 are displayed (onset may have been prior).

Notes: FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections.

Daily Cases by Status

The number of daily confirmed cases represent the total number of people who had a positive diagnostic test for COVID-19 by the date of the onset of their symptoms.

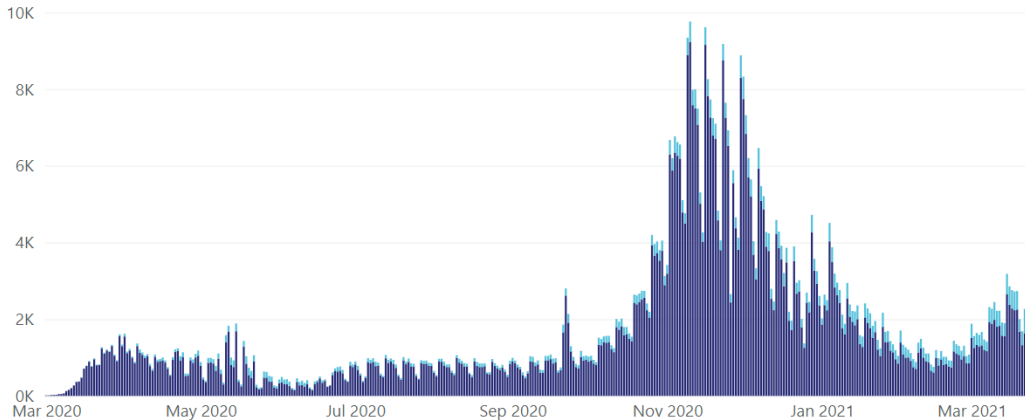
Filter by Date:

3/1/2020

3/23/2021

Cases by Date of Onset

Case Status ● Confirmed ● Probable



Confirmed Cases

Deaths

View Table

Select Preparedness Region:

All

Select County:

All

Cases are shown by onset date or by lab specimen collection date if onset date was unavailable. Deaths are shown by date of death or date of last status update if date of death was unavailable. Tracking of probable cases and deaths did not begin until April 5, 2020, therefore only probable cases referred for investigation on or after April 5, 2020 are displayed (onset may have been prior).

Notes: FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections.

Daily Deaths by Status

Confirmed deaths include individuals who had a confirmed COVID-19 infection and are classified as deceased by the case investigation, have COVID-19 indicated as a cause of death on their death certificate, or who die within 30 days of infection and their manner of death is listed as natural. Data are shown by the date of death.

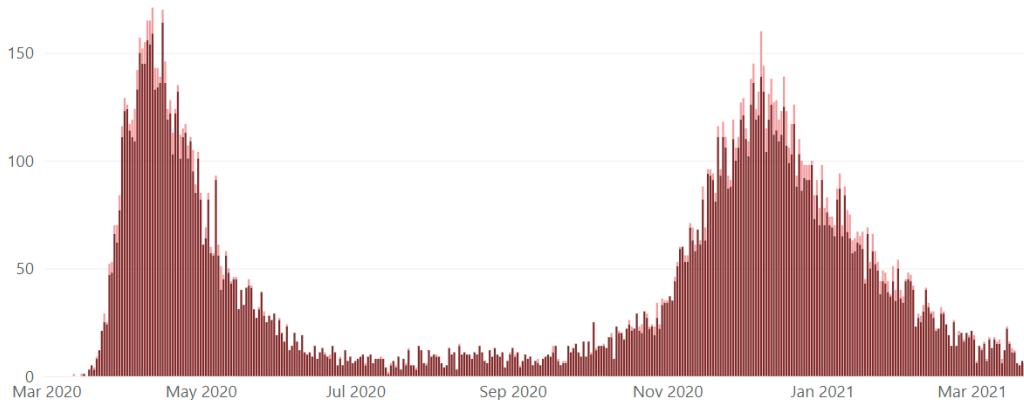
Filter by Date:

3/1/2020

3/23/2021

Deaths by Date of Death

Case Status ● Confirmed ● Probable



View Table

View Chart

Select Preparedness Region:

All

Select County:

All

Cases are shown by onset date or by lab specimen collection date if onset date was unavailable. Deaths are shown by date of death or date or last status update if date of death was unavailable. Tracking of probable cases and deaths did not begin until April 5, 2020, therefore these data are not displayed by date.

Notes: FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections.

Cumulative Confirmed Cases and Deaths among Confirmed Cases

Cumulative cases represent the total number of people who had a positive diagnostic test for COVID-19. Cases are shown by the date of onset of symptoms. Cumulative Deaths represent the total number of people who had a confirmed COVID-19 infection and are classified as deceased by the case investigation, have COVID-19 indicated as a cause of death on their death certificate, or who die within 30 days of infection and their manner of death is listed as natural. Deaths are shown by date of death.

Filter By Date:

3/1/2020

3/23/2021

Cumulative Confirmed Cases and Deaths among Confirmed Cases by Date

● Confirmed Cases ● Deaths

0.7M

0.6M

0.5M

0.4M

0.3M

0.2M

0.1M

0.0M

Mar 2020

May 2020

Jul 2020

Sep 2020

Nov 2020

Jan 2021

Mar 2021

Cases by Demographic Characteristics

Data are suppressed when the number of cases is five or below to protect the confidentiality of individuals. The sum of the cases for individual categories may be fewer than the total number of cases due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.

Cases

Deaths

Select case status:

- ☒ Confirmed
☐ Probable

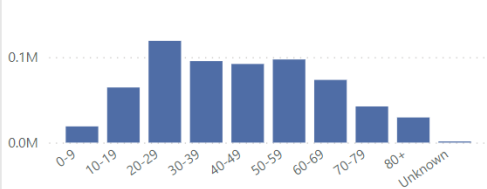
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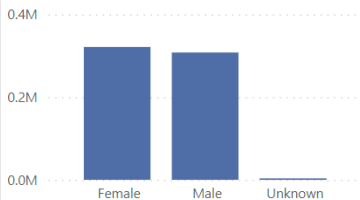
Select county:

All

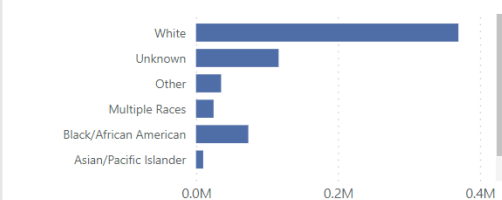
Cases by Age Group



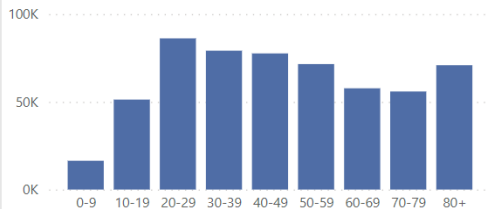
Cases by Sex



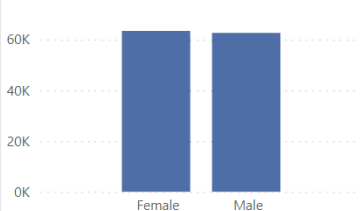
Cases by Race



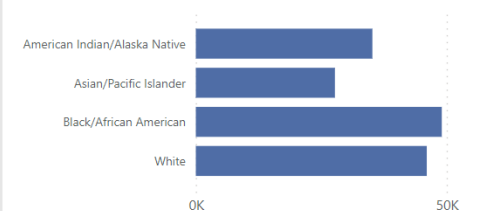
Cases per Million by Age Group



Cases per Million by Sex



Cases per Million by Race



Cases by Demographic Characteristics

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Cases

Deaths

Select case status:

☐ Confirmed☒ Probable

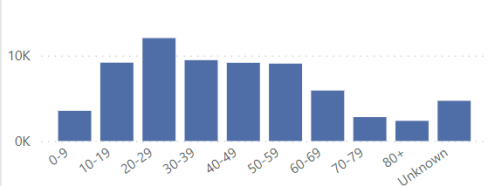
Select Preparedness Region:

All

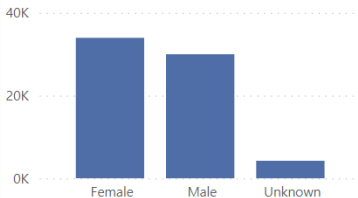
Select county:

All

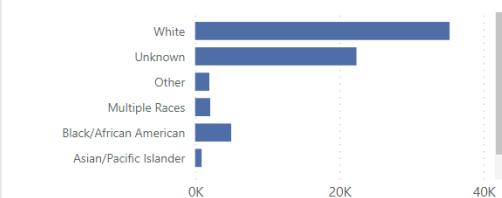
Cases by Age Group



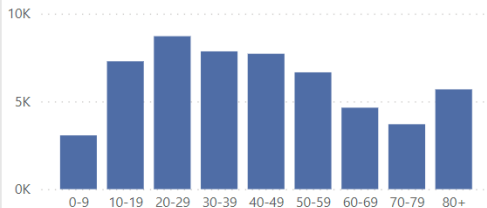
Cases by Sex



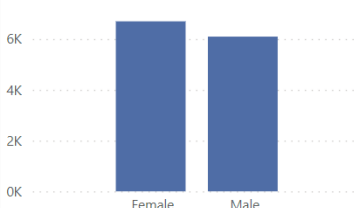
Cases by Race



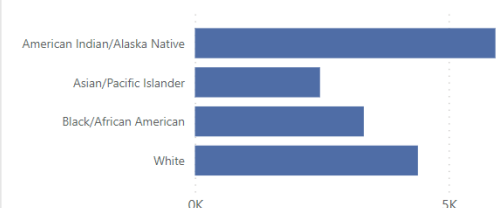
Cases per Million by Age Group



Cases per Million by Sex



Cases per Million by Race



Deaths by Demographic Characteristics

Data are suppressed when the number of deaths is five or below to protect the confidentiality of individuals. The sum of the deaths for individual categories may be fewer than the total number of deaths due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.

Cases

Deaths

Select case status:

- ☒ Confirmed
☐ Probable

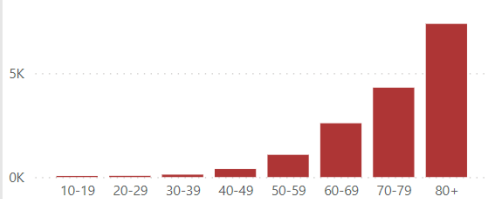
Select Preparedness Region:

All

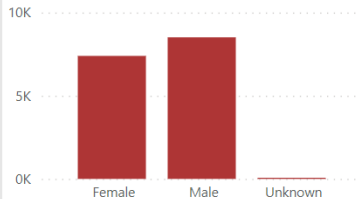
Select county:

All

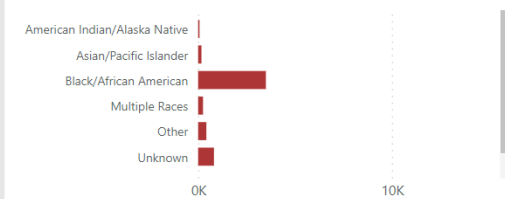
Deaths by Age Group



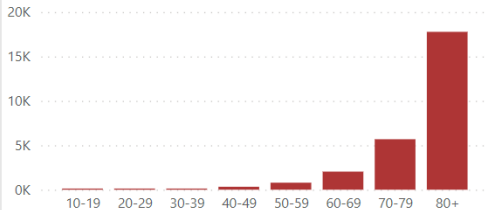
Deaths by Sex



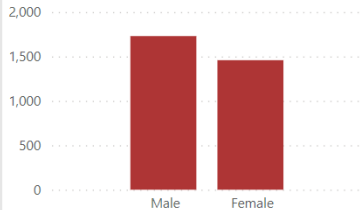
Deaths by Race



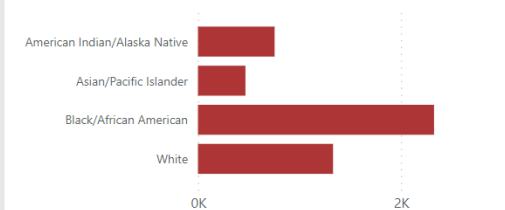
Deaths per Million by Age Group



Deaths per Million by Sex



Deaths per Million by Race



Deaths by Demographic Characteristics

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Cases

Deaths

Select case status:

☐ Confirmed☒ Probable

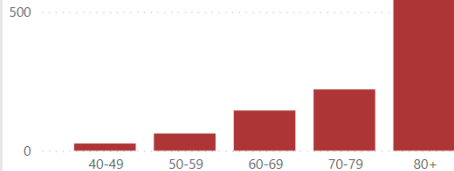
Select Preparedness Region:

All

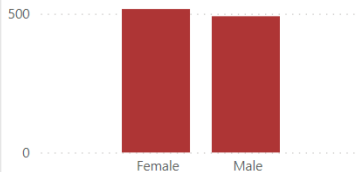
Select county:

All

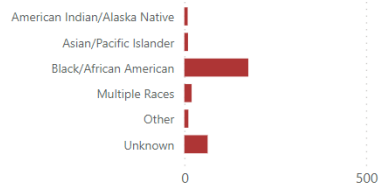
Deaths by Age Group



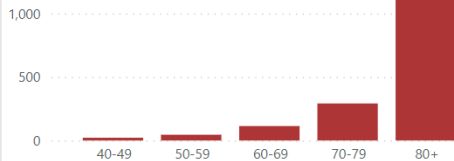
Deaths by Sex



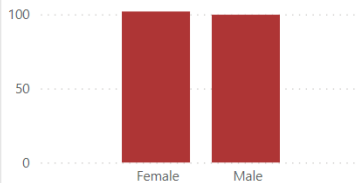
Deaths by Race



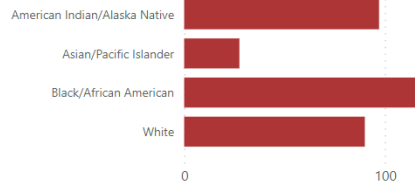
Deaths per Million by Age Group



Deaths per Million by Sex



Deaths per Million by Race



[View Table](#)[View Charts](#)

Select Preparedness Region:

All

Select County:

All

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Serology tests are used to look for the possibility of previous infection. Serology tests look for antibodies to SARS-CoV-2 in the blood. There are currently two types of serology tests: the enzyme-linked immunosorbent assay (ELISA) test and the rapid antibody detection POC test. Serology tests do not diagnose disease and do not guarantee immunity, but might provide information about previous infection.

Total Covid-19 Laboratory Tests

Total testing includes both diagnostic tests which are used to determine if an individual currently has COVID-19 and serology testing which is used to determine if a person has antibodies to Covid-19.

Filter by Date:

3/10/2020

3/22/2021

Total Laboratory Tests by Type and Date

Test Type ● Diagnostic ● Serology

100K

50K

0K

May 2020

Jul 2020

Sep 2020

Nov 2020

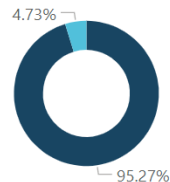
Jan 2021

Mar 2021

Total Tests Completed to Date

Test Type	Count	Tests per Million Residents
Diagnostic	11,183,009	1,119,294
Serology	555,487	55,598
Total	11,738,496	1,174,892

Percent of Tests Completed by Type



Test Type

● Diagnostic

● Serology

View Table

View Charts

Select Preparedness Region

All



Select County

All



Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests. Diagnostic tests do not include serology tests which look for antibodies to SARS-Cov-2 in the blood.

Diagnostic Covid-19 Laboratory Tests

Diagnostic tests are used to determine if an individual is currently infected with Covid-19.

Filter by Date

3/10/2020

3/22/2021

Total Laboratory Tests by Type and Date

Test Type ● Negative ● Positive

100K

50K

0K

May 2020

Jul 2020

Sep 2020

Nov 2020

Jan 2021

Mar 2021

Percent of Diagnostic Tests That Were Positive

60%

40%

20%

0%

May 2020

Jul 2020

Sep 2020

Nov 2020

Jan 2021

Mar 2021

Where does the data come from?

The State of Michigan COVID-19 Dashboard displays the most recent provisional data reported to the Michigan Department of Health and Humans Services (MDHHS) about cases in Michigan by selected demographics and county of residence (City of Detroit and Wayne County are reported separately). Data are reported to MDHHS via the [Michigan Disease Surveillance System \(MDSS\)](#). Provisional Death data are provided by the MDHHS Division for [Vital Records & Health Statistics](#).

How does MDHHS classify confirmed and probable cases?

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19. Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

How does MDHHS classify confirmed and probable deaths?

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'. Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

Why do the number of probable cases fluctuate?

The number of probable cases can change daily based on the investigation efforts of the health department. When a probable case is first reported, local and/or state health department staff investigate to determine if the person meets the case definition of probable. As additional information is gathered, the case could be re-classified to confirmed, remain as probable, or be determined as not a case.

Why do data in the demographics tab not sum to the total number of cases for a county or region?

Data are not shown whenever the number of cases for a particular demographic category is fewer than six to protect the confidentiality of individuals. Rates are not calculated for other, multiple, and unknown race because an appropriate population denominator is not available for these categories at the county level.

Where can I get more information about COVID-19?

Visit <https://www.michigan.gov/coronavirus> to find information on resources and assistance, answers to frequently asked questions, and the latest updates on Michigan's response to COVID-19. For COVID-19 updates from CDC visit <https://www.cdc.gov/coronavirus/2019-ncov>.

PUBLIC USE DATASETS

Cases and Deaths by County

README

Includes total cases and deaths to date by case status (confirmed or probable) and county. County is based on the county of residence.

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

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Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

CASES AND DEATHS BY COUNTY 2021-03-23

Updated	COUNTY	ConfirmedCases	ConfirmedDeaths	ProbableCases	ProbableDeaths
2021/03/23 13:29:59	Alcona	366	20	80	5
2021/03/23 13:29:59	Alger	283	1	161	4
2021/03/23 13:29:59	Allegan	7031	95	817	23
2021/03/23 13:29:59	Alpena	1293	47	252	1
2021/03/23 13:29:59	Antrim	863	15	228	5
2021/03/23 13:29:59	Arenac	696	26	85	0
2021/03/23 13:29:59	Baraga	513	33	107	0
2021/03/23 13:29:59	Barry	3635	48	380	2
2021/03/23 13:29:59	Bay	7554	289	358	11
2021/03/23 13:29:59	Benzie	825	31	147	1
2021/03/23 13:29:59	Berrien	11324	230	965	19
2021/03/23 13:29:59	Branch	3592	83	336	4
2021/03/23 13:29:59	Calhoun	9179	224	1467	17
2021/03/23 13:29:59	Cass	3906	62	486	5
2021/03/23 13:29:59	Charlevoix	901	13	237	0
2021/03/23 13:29:59	Cheboygan	943	38	241	0
2021/03/23 13:29:59	Chippewa	783	24	1092	4
2021/03/23 13:29:59	Clare	1435	68	228	1
2021/03/23 13:29:59	Clinton	4729	70	832	4
2021/03/23 13:29:59	Crawford	623	5	38	0
2021/03/23 13:29:59	Delta	2730	66	499	19
2021/03/23 13:29:59	Dickinson	2164	55	251	16
2021/03/23 13:29:59	Eaton	6173	152	786	8
2021/03/23 13:29:59	Emmet	1333	38	293	1
2021/03/23 13:29:59	Genesee	23501	718	4747	52
2021/03/23 13:29:59	Gladwin	1314	40	243	3
2021/03/23 13:29:59	Gogebic	956	21	354	28
2021/03/23 13:29:59	Grand Traverse	4149	64	529	11
2021/03/23 13:29:59	Gratiot	2498	100	363	4
2021/03/23 13:29:59	Hillsdale	3216	75	320	3
2021/03/23 13:29:59	Houghton	2236	31	546	8
2021/03/23 13:29:59	Huron	1981	59	679	3
2021/03/23 13:29:59	Ingham	16852	286	1221	6
2021/03/23 13:29:59	Ionia	4296	72	81	2
2021/03/23 13:29:59	Iosco	1160	64	156	3
2021/03/23 13:29:59	Iron	869	42	62	9
2021/03/23 13:29:59	Isabella	3731	75	502	1
2021/03/23 13:29:59	Jackson	10144	221	505	6
2021/03/23 13:29:59	Kalamazoo	14376	288	2044	38
2021/03/23 13:29:59	Kalkaska	661	15	50	0
2021/03/23 13:29:59	Kent	51134	668	3166	58
2021/03/23 13:29:59	Keweenaw	122	1	31	1
2021/03/23 13:29:59	Lake	377	10	22	1
2021/03/23 13:29:59	Lapeer	4951	125	824	2
2021/03/23 13:29:59	Leelanau	810	15	145	0
2021/03/23 13:29:59	Lenawee	6328	124	365	4
2021/03/23 13:29:59	Livingston	10222	140	1229	13

2021/03/23 13:29:59	Luce	134	0	111	1
2021/03/23 13:29:59	Mackinac	304	3	166	0
2021/03/23 13:29:59	Macomb	60707	1901	5214	106
2021/03/23 13:29:59	Manistee	780	18	49	3
2021/03/23 13:29:59	Marquette	3536	55	568	1
2021/03/23 13:29:59	Mason	1204	27	94	0
2021/03/23 13:29:59	Mecosta	2011	21	104	0
2021/03/23 13:29:59	Menominee	1642	38	274	2
2021/03/23 13:29:59	Midland	4763	63	614	3
2021/03/23 13:29:59	Missaukee	824	11	168	8
2021/03/23 13:29:59	Monroe	9431	197	1433	12
2021/03/23 13:29:59	Montcalm	3416	88	309	2
2021/03/23 13:29:59	Montmorency	321	17	60	1
2021/03/23 13:29:59	Muskegon	10656	300	224	7
2021/03/23 13:29:59	Newaygo	2950	52	230	2
2021/03/23 13:29:59	Oakland	70135	1935	11826	113
2021/03/23 13:29:59	Oceana	1852	49	88	2
2021/03/23 13:29:59	Ogemaw	972	33	176	1
2021/03/23 13:29:59	Ontonagon	371	20	56	1
2021/03/23 13:29:59	Osceola	1034	23	156	0
2021/03/23 13:29:59	Oscoda	339	19	81	1
2021/03/23 13:29:59	Otsego	1179	24	271	4
2021/03/23 13:29:59	Ottawa	22166	323	1389	37
2021/03/23 13:29:59	Presque Isle	610	27	90	1
2021/03/23 13:29:59	Roscommon	1198	37	185	0
2021/03/23 13:29:59	Saginaw	14903	520	779	12
2021/03/23 13:29:59	Sanilac	2306	75	275	5
2021/03/23 13:29:59	Schoolcraft	237	4	37	1
2021/03/23 13:29:59	Shiawassee	3859	83	284	1
2021/03/23 13:29:59	St Clair	8825	256	1692	11
2021/03/23 13:29:59	St Joseph	4455	82	580	6
2021/03/23 13:29:59	Tuscola	3187	130	460	10
2021/03/23 13:29:59	Van Buren	5022	87	318	11
2021/03/23 13:29:59	Washtenaw	18161	241	1725	6
2021/03/23 13:29:59	Wayne	70606	2122	5833	99
2021/03/23 13:29:59	Wexford	1686	21	141	1
2021/03/23 13:29:59	MDOC	24843	146	811	3
2021/03/23 13:29:59	FCI	310	5	5	0
2021/03/23 13:29:59	Out-of-State	1476	9	80	2
2021/03/23 13:29:59	Unknown	6	0	18	0
2021/03/23 13:29:59	Detroit City	32016	1870	2663	131

PUBLIC USE DATASETS

Cases by Demographics Statewide

README

Includes the total number of confirmed and probable cases and confirmed and probable deaths to date by demographic characteristics

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'.

Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

Data is suppressed when the number of cases or deaths in a single category is between one and five to protect the confidentiality of individuals.

CASES BY DEMOGRAPHICS STATEWIDE 2021-03-23

CASE_STATUS	AgeCat	RaceCat	SEX	Cases	Deaths
Confirmed	0-9	American Indian/Alaska Native	Female	85	0
Confirmed	10-19	American Indian/Alaska Native	Female	204	0
Confirmed	20-29	American Indian/Alaska Native	Female	344	0
Confirmed	30-39	American Indian/Alaska Native	Female	279	Suppressed
Confirmed	40-49	American Indian/Alaska Native	Female	252	Suppressed
Confirmed	50-59	American Indian/Alaska Native	Female	241	Suppressed
Confirmed	60-69	American Indian/Alaska Native	Female	169	7
Confirmed	70-79	American Indian/Alaska Native	Female	92	10
Confirmed	80+	American Indian/Alaska Native	Female	36	7
Confirmed	Unknown	American Indian/Alaska Native	Female	Suppressed	0
Confirmed	0-9	Asian/Pacific Islander	Female	166	0
Confirmed	10-19	Asian/Pacific Islander	Female	564	0
Confirmed	20-29	Asian/Pacific Islander	Female	1120	0
Confirmed	30-39	Asian/Pacific Islander	Female	918	Suppressed
Confirmed	40-49	Asian/Pacific Islander	Female	830	0
Confirmed	50-59	Asian/Pacific Islander	Female	719	7
Confirmed	60-69	Asian/Pacific Islander	Female	408	10
Confirmed	70-79	Asian/Pacific Islander	Female	199	20
Confirmed	80+	Asian/Pacific Islander	Female	131	34
Confirmed	Unknown	Asian/Pacific Islander	Female	0	0
Confirmed	0-9	Black/African American	Female	1022	Suppressed
Confirmed	10-19	Black/African American	Female	2660	Suppressed
Confirmed	20-29	Black/African American	Female	6792	12
Confirmed	30-39	Black/African American	Female	6075	16
Confirmed	40-49	Black/African American	Female	5311	65
Confirmed	50-59	Black/African American	Female	4866	150
Confirmed	60-69	Black/African American	Female	4133	337
Confirmed	70-79	Black/African American	Female	2462	445
Confirmed	80+	Black/African American	Female	1690	594
Confirmed	Unknown	Black/African American	Female	14	0
Confirmed	0-9	Multiple Races	Female	517	0
Confirmed	10-19	Multiple Races	Female	1664	Suppressed
Confirmed	20-29	Multiple Races	Female	2548	0
Confirmed	30-39	Multiple Races	Female	1835	0
Confirmed	40-49	Multiple Races	Female	1933	Suppressed
Confirmed	50-59	Multiple Races	Female	1975	10
Confirmed	60-69	Multiple Races	Female	1450	12
Confirmed	70-79	Multiple Races	Female	791	28
Confirmed	80+	Multiple Races	Female	519	64
Confirmed	Unknown	Multiple Races	Female	11	0
Confirmed	0-9	Other	Female	800	0
Confirmed	10-19	Other	Female	2180	0
Confirmed	20-29	Other	Female	3824	0
Confirmed	30-39	Other	Female	2946	Suppressed
Confirmed	40-49	Other	Female	2741	Suppressed
Confirmed	50-59	Other	Female	2173	13
Confirmed	60-69	Other	Female	1314	33

Confirmed	70-79	Other	Female	678	45
Confirmed	80+	Other	Female	465	79
Confirmed	Unknown	Other	Female	8	0
Confirmed	0-9	Unknown	Female	1324	0
Confirmed	10-19	Unknown	Female	5364	0
Confirmed	20-29	Unknown	Female	11705	Suppressed
Confirmed	30-39	Unknown	Female	9242	Suppressed
Confirmed	40-49	Unknown	Female	9489	9
Confirmed	50-59	Unknown	Female	9992	16
Confirmed	60-69	Unknown	Female	6008	46
Confirmed	70-79	Unknown	Female	2772	84
Confirmed	80+	Unknown	Female	2265	244
Confirmed	Unknown	Unknown	Female	101	0
Confirmed	0-9	White	Female	5121	0
Confirmed	10-19	White	Female	20302	Suppressed
Confirmed	20-29	White	Female	35045	12
Confirmed	30-39	White	Female	26282	18
Confirmed	40-49	White	Female	25963	60
Confirmed	50-59	White	Female	28487	191
Confirmed	60-69	White	Female	22679	549
Confirmed	70-79	White	Female	14370	1119
Confirmed	80+	White	Female	12753	3022
Confirmed	Unknown	White	Female	88	0
Confirmed	0-9	American Indian/Alaska Native	Male	77	0
Confirmed	10-19	American Indian/Alaska Native	Male	211	0
Confirmed	20-29	American Indian/Alaska Native	Male	276	0
Confirmed	30-39	American Indian/Alaska Native	Male	249	0
Confirmed	40-49	American Indian/Alaska Native	Male	249	0
Confirmed	50-59	American Indian/Alaska Native	Male	211	Suppressed
Confirmed	60-69	American Indian/Alaska Native	Male	165	19
Confirmed	70-79	American Indian/Alaska Native	Male	81	13
Confirmed	80+	American Indian/Alaska Native	Male	27	6
Confirmed	Unknown	American Indian/Alaska Native	Male	0	0
Confirmed	0-9	Asian/Pacific Islander	Male	219	0
Confirmed	10-19	Asian/Pacific Islander	Male	550	0
Confirmed	20-29	Asian/Pacific Islander	Male	1232	0
Confirmed	30-39	Asian/Pacific Islander	Male	904	0
Confirmed	40-49	Asian/Pacific Islander	Male	725	Suppressed
Confirmed	50-59	Asian/Pacific Islander	Male	683	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Male	404	24
Confirmed	70-79	Asian/Pacific Islander	Male	186	36
Confirmed	80+	Asian/Pacific Islander	Male	93	28
Confirmed	Unknown	Asian/Pacific Islander	Male	0	0
Confirmed	0-9	Black/African American	Male	1081	0
Confirmed	10-19	Black/African American	Male	2536	Suppressed
Confirmed	20-29	Black/African American	Male	7285	16
Confirmed	30-39	Black/African American	Male	7114	34
Confirmed	40-49	Black/African American	Male	6327	98
Confirmed	50-59	Black/African American	Male	5968	258
Confirmed	60-69	Black/African American	Male	4480	469

Confirmed	70-79	Black/African American	Male	2364	575
Confirmed	80+	Black/African American	Male	1002	420
Confirmed	Unknown	Black/African American	Male	6	0
Confirmed	0-9	Multiple Races	Male	558	Suppressed
Confirmed	10-19	Multiple Races	Male	1654	0
Confirmed	20-29	Multiple Races	Male	2155	0
Confirmed	30-39	Multiple Races	Male	1512	Suppressed
Confirmed	40-49	Multiple Races	Male	1505	Suppressed
Confirmed	50-59	Multiple Races	Male	1576	8
Confirmed	60-69	Multiple Races	Male	1367	36
Confirmed	70-79	Multiple Races	Male	738	34
Confirmed	80+	Multiple Races	Male	315	49
Confirmed	Unknown	Multiple Races	Male	Suppressed	0
Confirmed	0-9	Other	Male	845	0
Confirmed	10-19	Other	Male	2234	0
Confirmed	20-29	Other	Male	3997	Suppressed
Confirmed	30-39	Other	Male	3203	Suppressed
Confirmed	40-49	Other	Male	2955	18
Confirmed	50-59	Other	Male	2491	28
Confirmed	60-69	Other	Male	1427	71
Confirmed	70-79	Other	Male	633	63
Confirmed	80+	Other	Male	285	61
Confirmed	Unknown	Other	Male	Suppressed	0
Confirmed	0-9	Unknown	Male	1405	0
Confirmed	10-19	Unknown	Male	5144	0
Confirmed	20-29	Unknown	Male	11878	0
Confirmed	30-39	Unknown	Male	9702	7
Confirmed	40-49	Unknown	Male	8862	18
Confirmed	50-59	Unknown	Male	9682	28
Confirmed	60-69	Unknown	Male	5880	75
Confirmed	70-79	Unknown	Male	2451	129
Confirmed	80+	Unknown	Male	1231	153
Confirmed	Unknown	Unknown	Male	114	0
Confirmed	0-9	White	Male	5625	0
Confirmed	10-19	White	Male	18990	Suppressed
Confirmed	20-29	White	Male	30226	18
Confirmed	30-39	White	Male	24589	33
Confirmed	40-49	White	Male	24298	106
Confirmed	50-59	White	Male	27729	354
Confirmed	60-69	White	Male	23196	898
Confirmed	70-79	White	Male	14356	1697
Confirmed	80+	White	Male	8506	2608
Confirmed	Unknown	White	Male	73	0
Confirmed	0-9	American Indian/Alaska Native	Unknown	0	0
Confirmed	10-19	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	20-29	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	30-39	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	40-49	American Indian/Alaska Native	Unknown	0	0
Confirmed	50-59	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	60-69	American Indian/Alaska Native	Unknown	Suppressed	0

Confirmed	70-79	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	80+	American Indian/Alaska Native	Unknown	0	0
Confirmed	Unknown	American Indian/Alaska Native	Unknown	0	0
Confirmed	0-9	Asian/Pacific Islander	Unknown	0	0
Confirmed	10-19	Asian/Pacific Islander	Unknown	6	0
Confirmed	20-29	Asian/Pacific Islander	Unknown	8	0
Confirmed	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	40-49	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	50-59	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	60-69	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	70-79	Asian/Pacific Islander	Unknown	0	0
Confirmed	80+	Asian/Pacific Islander	Unknown	0	0
Confirmed	Unknown	Asian/Pacific Islander	Unknown	0	0
Confirmed	0-9	Black/African American	Unknown	Suppressed	0
Confirmed	10-19	Black/African American	Unknown	10	0
Confirmed	20-29	Black/African American	Unknown	115	0
Confirmed	30-39	Black/African American	Unknown	100	0
Confirmed	40-49	Black/African American	Unknown	106	0
Confirmed	50-59	Black/African American	Unknown	87	0
Confirmed	60-69	Black/African American	Unknown	40	Suppressed
Confirmed	70-79	Black/African American	Unknown	12	Suppressed
Confirmed	80+	Black/African American	Unknown	Suppressed	0
Confirmed	Unknown	Black/African American	Unknown	0	0
Confirmed	0-9	Multiple Races	Unknown	6	0
Confirmed	10-19	Multiple Races	Unknown	11	0
Confirmed	20-29	Multiple Races	Unknown	20	0
Confirmed	30-39	Multiple Races	Unknown	14	0
Confirmed	40-49	Multiple Races	Unknown	14	0
Confirmed	50-59	Multiple Races	Unknown	11	0
Confirmed	60-69	Multiple Races	Unknown	15	0
Confirmed	70-79	Multiple Races	Unknown	6	0
Confirmed	80+	Multiple Races	Unknown	Suppressed	0
Confirmed	Unknown	Multiple Races	Unknown	Suppressed	0
Confirmed	0-9	Other	Unknown	7	0
Confirmed	10-19	Other	Unknown	11	0
Confirmed	20-29	Other	Unknown	22	0
Confirmed	30-39	Other	Unknown	18	0
Confirmed	40-49	Other	Unknown	27	0
Confirmed	50-59	Other	Unknown	16	0
Confirmed	60-69	Other	Unknown	13	0
Confirmed	70-79	Other	Unknown	Suppressed	0
Confirmed	80+	Other	Unknown	6	0
Confirmed	Unknown	Other	Unknown	Suppressed	0
Confirmed	0-9	Unknown	Unknown	55	0
Confirmed	10-19	Unknown	Unknown	173	0
Confirmed	20-29	Unknown	Unknown	371	0
Confirmed	30-39	Unknown	Unknown	267	0
Confirmed	40-49	Unknown	Unknown	310	0
Confirmed	50-59	Unknown	Unknown	285	0
Confirmed	60-69	Unknown	Unknown	147	Suppressed

Confirmed	70-79	Unknown	Unknown	79	Suppressed
Confirmed	80+	Unknown	Unknown	56	Suppressed
Confirmed	Unknown	Unknown	Unknown	47	0
Confirmed	0-9	White	Unknown	15	0
Confirmed	10-19	White	Unknown	98	0
Confirmed	20-29	White	Unknown	195	0
Confirmed	30-39	White	Unknown	192	0
Confirmed	40-49	White	Unknown	181	0
Confirmed	50-59	White	Unknown	166	0
Confirmed	60-69	White	Unknown	118	0
Confirmed	70-79	White	Unknown	59	Suppressed
Confirmed	80+	White	Unknown	22	Suppressed
Confirmed	Unknown	White	Unknown	Suppressed	0
Probable	0-9	American Indian/Alaska Native	Female	32	0
Probable	10-19	American Indian/Alaska Native	Female	43	0
Probable	20-29	American Indian/Alaska Native	Female	57	0
Probable	30-39	American Indian/Alaska Native	Female	44	0
Probable	40-49	American Indian/Alaska Native	Female	41	0
Probable	50-59	American Indian/Alaska Native	Female	30	0
Probable	60-69	American Indian/Alaska Native	Female	23	0
Probable	70-79	American Indian/Alaska Native	Female	7	0
Probable	80+	American Indian/Alaska Native	Female	Suppressed	Suppressed
Probable	Unknown	American Indian/Alaska Native	Female	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Female	22	0
Probable	10-19	Asian/Pacific Islander	Female	54	0
Probable	20-29	Asian/Pacific Islander	Female	109	0
Probable	30-39	Asian/Pacific Islander	Female	85	0
Probable	40-49	Asian/Pacific Islander	Female	65	0
Probable	50-59	Asian/Pacific Islander	Female	64	0
Probable	60-69	Asian/Pacific Islander	Female	30	Suppressed
Probable	70-79	Asian/Pacific Islander	Female	13	Suppressed
Probable	80+	Asian/Pacific Islander	Female	Suppressed	0
Probable	Unknown	Asian/Pacific Islander	Female	Suppressed	0
Probable	0-9	Black/African American	Female	116	0
Probable	10-19	Black/African American	Female	240	0
Probable	20-29	Black/African American	Female	548	0
Probable	30-39	Black/African American	Female	485	0
Probable	40-49	Black/African American	Female	410	Suppressed
Probable	50-59	Black/African American	Female	367	10
Probable	60-69	Black/African American	Female	258	17
Probable	70-79	Black/African American	Female	103	15
Probable	80+	Black/African American	Female	72	34
Probable	Unknown	Black/African American	Female	25	Suppressed
Probable	0-9	Multiple Races	Female	100	0
Probable	10-19	Multiple Races	Female	188	0
Probable	20-29	Multiple Races	Female	194	0
Probable	30-39	Multiple Races	Female	129	0
Probable	40-49	Multiple Races	Female	139	0
Probable	50-59	Multiple Races	Female	133	Suppressed
Probable	60-69	Multiple Races	Female	93	Suppressed

Probable	70-79	Multiple Races	Female	41	0
Probable	80+	Multiple Races	Female	29	7
Probable	Unknown	Multiple Races	Female	45	0
Probable	0-9	Other	Female	71	0
Probable	10-19	Other	Female	146	0
Probable	20-29	Other	Female	215	0
Probable	30-39	Other	Female	170	0
Probable	40-49	Other	Female	145	0
Probable	50-59	Other	Female	107	Suppressed
Probable	60-69	Other	Female	61	Suppressed
Probable	70-79	Other	Female	27	0
Probable	80+	Other	Female	12	Suppressed
Probable	Unknown	Other	Female	17	0
Probable	0-9	Unknown	Female	330	0
Probable	10-19	Unknown	Female	1070	0
Probable	20-29	Unknown	Female	1805	0
Probable	30-39	Unknown	Female	1277	0
Probable	40-49	Unknown	Female	1369	0
Probable	50-59	Unknown	Female	1330	Suppressed
Probable	60-69	Unknown	Female	897	Suppressed
Probable	70-79	Unknown	Female	351	Suppressed
Probable	80+	Unknown	Female	243	22
Probable	Unknown	Unknown	Female	1178	0
Probable	0-9	White	Female	1018	0
Probable	10-19	White	Female	2700	Suppressed
Probable	20-29	White	Female	3217	0
Probable	30-39	White	Female	2571	0
Probable	40-49	White	Female	2574	Suppressed
Probable	50-59	White	Female	2543	15
Probable	60-69	White	Female	1698	34
Probable	70-79	White	Female	898	72
Probable	80+	White	Female	1138	260
Probable	Unknown	White	Female	336	Suppressed
Probable	0-9	American Indian/Alaska Native	Male	23	0
Probable	10-19	American Indian/Alaska Native	Male	54	0
Probable	20-29	American Indian/Alaska Native	Male	47	0
Probable	30-39	American Indian/Alaska Native	Male	40	0
Probable	40-49	American Indian/Alaska Native	Male	34	0
Probable	50-59	American Indian/Alaska Native	Male	33	0
Probable	60-69	American Indian/Alaska Native	Male	19	Suppressed
Probable	70-79	American Indian/Alaska Native	Male	7	Suppressed
Probable	80+	American Indian/Alaska Native	Male	Suppressed	Suppressed
Probable	Unknown	American Indian/Alaska Native	Male	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Male	31	0
Probable	10-19	Asian/Pacific Islander	Male	56	0
Probable	20-29	Asian/Pacific Islander	Male	108	0
Probable	30-39	Asian/Pacific Islander	Male	87	Suppressed
Probable	40-49	Asian/Pacific Islander	Male	65	0
Probable	50-59	Asian/Pacific Islander	Male	50	Suppressed
Probable	60-69	Asian/Pacific Islander	Male	20	Suppressed

Probable	70-79	Asian/Pacific Islander	Male	7	Suppressed
Probable	80+	Asian/Pacific Islander	Male	6	Suppressed
Probable	Unknown	Asian/Pacific Islander	Male	Suppressed	0
Probable	0-9	Black/African American	Male	116	0
Probable	10-19	Black/African American	Male	255	Suppressed
Probable	20-29	Black/African American	Male	475	0
Probable	30-39	Black/African American	Male	444	0
Probable	40-49	Black/African American	Male	350	8
Probable	50-59	Black/African American	Male	338	11
Probable	60-69	Black/African American	Male	221	25
Probable	70-79	Black/African American	Male	88	31
Probable	80+	Black/African American	Male	36	20
Probable	Unknown	Black/African American	Male	14	0
Probable	0-9	Multiple Races	Male	82	0
Probable	10-19	Multiple Races	Male	189	0
Probable	20-29	Multiple Races	Male	152	0
Probable	30-39	Multiple Races	Male	112	0
Probable	40-49	Multiple Races	Male	128	Suppressed
Probable	50-59	Multiple Races	Male	103	0
Probable	60-69	Multiple Races	Male	76	Suppressed
Probable	70-79	Multiple Races	Male	37	Suppressed
Probable	80+	Multiple Races	Male	17	7
Probable	Unknown	Multiple Races	Male	45	0
Probable	0-9	Other	Male	59	0
Probable	10-19	Other	Male	172	0
Probable	20-29	Other	Male	214	0
Probable	30-39	Other	Male	178	0
Probable	40-49	Other	Male	152	0
Probable	50-59	Other	Male	100	Suppressed
Probable	60-69	Other	Male	61	Suppressed
Probable	70-79	Other	Male	24	Suppressed
Probable	80+	Other	Male	7	Suppressed
Probable	Unknown	Other	Male	15	0
Probable	0-9	Unknown	Male	355	0
Probable	10-19	Unknown	Male	1133	0
Probable	20-29	Unknown	Male	1649	0
Probable	30-39	Unknown	Male	1237	Suppressed
Probable	40-49	Unknown	Male	1095	Suppressed
Probable	50-59	Unknown	Male	1185	Suppressed
Probable	60-69	Unknown	Male	700	Suppressed
Probable	70-79	Unknown	Male	285	7
Probable	80+	Unknown	Male	146	16
Probable	Unknown	Unknown	Male	1017	0
Probable	0-9	White	Male	1056	0
Probable	10-19	White	Male	2566	0
Probable	20-29	White	Male	2755	Suppressed
Probable	30-39	White	Male	2195	Suppressed
Probable	40-49	White	Male	2157	6
Probable	50-59	White	Male	2288	18
Probable	60-69	White	Male	1520	50

Probable	70-79	White	Male	803	84
Probable	80+	White	Male	598	171
Probable	Unknown	White	Male	297	0
Probable	0-9	American Indian/Alaska Native	Unknown	0	0
Probable	10-19	American Indian/Alaska Native	Unknown	0	0
Probable	20-29	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	30-39	American Indian/Alaska Native	Unknown	0	0
Probable	40-49	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	50-59	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	60-69	American Indian/Alaska Native	Unknown	0	0
Probable	70-79	American Indian/Alaska Native	Unknown	0	0
Probable	80+	American Indian/Alaska Native	Unknown	0	0
Probable	Unknown	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	10-19	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	20-29	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	40-49	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	50-59	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	60-69	Asian/Pacific Islander	Unknown	0	0
Probable	70-79	Asian/Pacific Islander	Unknown	0	0
Probable	80+	Asian/Pacific Islander	Unknown	0	0
Probable	Unknown	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	0-9	Black/African American	Unknown	Suppressed	0
Probable	10-19	Black/African American	Unknown	6	0
Probable	20-29	Black/African American	Unknown	8	0
Probable	30-39	Black/African American	Unknown	Suppressed	0
Probable	40-49	Black/African American	Unknown	6	0
Probable	50-59	Black/African American	Unknown	Suppressed	0
Probable	60-69	Black/African American	Unknown	Suppressed	0
Probable	70-79	Black/African American	Unknown	Suppressed	0
Probable	80+	Black/African American	Unknown	0	0
Probable	Unknown	Black/African American	Unknown	6	0
Probable	0-9	Multiple Races	Unknown	Suppressed	0
Probable	10-19	Multiple Races	Unknown	11	0
Probable	20-29	Multiple Races	Unknown	11	0
Probable	30-39	Multiple Races	Unknown	13	0
Probable	40-49	Multiple Races	Unknown	Suppressed	0
Probable	50-59	Multiple Races	Unknown	7	0
Probable	60-69	Multiple Races	Unknown	Suppressed	0
Probable	70-79	Multiple Races	Unknown	0	0
Probable	80+	Multiple Races	Unknown	0	0
Probable	Unknown	Multiple Races	Unknown	10	0
Probable	0-9	Other	Unknown	Suppressed	0
Probable	10-19	Other	Unknown	Suppressed	0
Probable	20-29	Other	Unknown	Suppressed	0
Probable	30-39	Other	Unknown	Suppressed	0
Probable	40-49	Other	Unknown	Suppressed	0
Probable	50-59	Other	Unknown	Suppressed	0
Probable	60-69	Other	Unknown	Suppressed	0

Probable	70-79	Other	Unknown	0	0
Probable	80+	Other	Unknown	0	0
Probable	Unknown	Other	Unknown	0	0
Probable	0-9	Unknown	Unknown	82	0
Probable	10-19	Unknown	Unknown	224	Suppressed
Probable	20-29	Unknown	Unknown	432	0
Probable	30-39	Unknown	Unknown	341	0
Probable	40-49	Unknown	Unknown	365	Suppressed
Probable	50-59	Unknown	Unknown	318	0
Probable	60-69	Unknown	Unknown	203	0
Probable	70-79	Unknown	Unknown	88	Suppressed
Probable	80+	Unknown	Unknown	33	Suppressed
Probable	Unknown	Unknown	Unknown	1642	0
Probable	0-9	White	Unknown	29	0
Probable	10-19	White	Unknown	59	0
Probable	20-29	White	Unknown	45	0
Probable	30-39	White	Unknown	48	0
Probable	40-49	White	Unknown	46	0
Probable	50-59	White	Unknown	50	0
Probable	60-69	White	Unknown	18	Suppressed
Probable	70-79	White	Unknown	20	0
Probable	80+	White	Unknown	8	0
Probable	Unknown	White	Unknown	45	0

PUBLIC USE DATASETS

COVID-19 Tests by County

README

Data includes tests by type (diagnostic, serology or total combined) by county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Serology tests are used to look for the possibility of previous infection. Serology tests look for antibodies to SARS-CoV-2 in the blood. There are currently two types of serology tests: the enzyme-linked immunosorbent assay (ELISA) test and the rapid antibody detection POC test. Serology tests do not diagnose disease and do not guarantee immunity, but might provide information about previous infection.

Correctional includes state and federal prisons and county and city detection facilities.

Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.

COVID-19 TESTS BY COUNTY 2021-03-23

Updated	COUNTY	TestType	Count	RatePerMillion
2021/03/23 13:30:14	Alcona	Diagnostic	5912	568188
2021/03/23 13:30:14	Alcona	Serology	165	15858
2021/03/23 13:30:14	Alcona	Total	6077	584046
2021/03/23 13:30:14	Alger	Diagnostic	7229	793698
2021/03/23 13:30:14	Alger	Serology	363	39855
2021/03/23 13:30:14	Alger	Total	7592	833553
2021/03/23 13:30:14	Allegan	Serology	2802	23729
2021/03/23 13:30:14	Allegan	Diagnostic	102874	871216
2021/03/23 13:30:14	Allegan	Total	105676	894945
2021/03/23 13:30:14	Alpena	Diagnostic	17315	609576
2021/03/23 13:30:14	Alpena	Serology	685	24115
2021/03/23 13:30:14	Alpena	Total	18000	633691
2021/03/23 13:30:14	Antrim	Diagnostic	19604	840508
2021/03/23 13:30:14	Antrim	Serology	747	32027
2021/03/23 13:30:14	Antrim	Total	20351	872535
2021/03/23 13:30:14	Arenac	Diagnostic	13153	883760
2021/03/23 13:30:14	Arenac	Serology	448	30101
2021/03/23 13:30:14	Arenac	Total	13601	913861
2021/03/23 13:30:14	Baraga	Diagnostic	7593	924960
2021/03/23 13:30:14	Baraga	Serology	59	7187
2021/03/23 13:30:14	Baraga	Total	7652	932148
2021/03/23 13:30:14	Barry	Serology	1837	29846
2021/03/23 13:30:14	Barry	Diagnostic	51009	828741
2021/03/23 13:30:14	Barry	Total	52846	858587
2021/03/23 13:30:14	Bay	Diagnostic	110093	1067558
2021/03/23 13:30:14	Bay	Serology	6861	66530
2021/03/23 13:30:14	Bay	Total	116954	1134088
2021/03/23 13:30:14	Benzie	Diagnostic	11311	636666
2021/03/23 13:30:14	Benzie	Serology	718	40414
2021/03/23 13:30:14	Benzie	Total	12029	677080
2021/03/23 13:30:14	Berrien	Diagnostic	208900	1361790
2021/03/23 13:30:14	Berrien	Serology	5657	36877
2021/03/23 13:30:14	Berrien	Total	214557	1398668
2021/03/23 13:30:14	Branch	Serology	503	11559
2021/03/23 13:30:14	Branch	Diagnostic	35969	826551
2021/03/23 13:30:14	Branch	Total	36472	838109
2021/03/23 13:30:14	Calhoun	Diagnostic	173368	1292258
2021/03/23 13:30:14	Calhoun	Serology	1750	13044
2021/03/23 13:30:14	Calhoun	Total	175118	1305302
2021/03/23 13:30:14	Cass	Serology	692	13362
2021/03/23 13:30:14	Cass	Diagnostic	35297	681580
2021/03/23 13:30:14	Cass	Total	35989	694943
2021/03/23 13:30:14	Charlevoix	Diagnostic	20445	782045
2021/03/23 13:30:14	Charlevoix	Serology	1086	41541
2021/03/23 13:30:14	Charlevoix	Total	21531	823586
2021/03/23 13:30:14	Cheboygan	Serology	557	22037
2021/03/23 13:30:14	Cheboygan	Diagnostic	13334	527536

2021/03/23 13:30:14	Cheboygan	Total	13891	549573
2021/03/23 13:30:14	Chippewa	Diagnostic	21673	580283
2021/03/23 13:30:14	Chippewa	Serology	297	7952
2021/03/23 13:30:14	Chippewa	Total	21970	588235
2021/03/23 13:30:14	Clare	Serology	942	30436
2021/03/23 13:30:14	Clare	Diagnostic	18718	604782
2021/03/23 13:30:14	Clare	Total	19660	635218
2021/03/23 13:30:14	Clinton	Serology	3922	49274
2021/03/23 13:30:14	Clinton	Diagnostic	51546	647603
2021/03/23 13:30:14	Clinton	Total	55468	696878
2021/03/23 13:30:14	Correctional	Diagnostic	665227	
2021/03/23 13:30:14	Correctional	Serology	24095	
2021/03/23 13:30:14	Correctional	Total	689322	
2021/03/23 13:30:14	Crawford	Serology	354	25233
2021/03/23 13:30:14	Crawford	Diagnostic	9021	643025
2021/03/23 13:30:14	Crawford	Total	9375	668259
2021/03/23 13:30:14	Delta	Diagnostic	36522	1020624
2021/03/23 13:30:14	Delta	Serology	792	22133
2021/03/23 13:30:14	Delta	Total	37314	1042757
2021/03/23 13:30:14	Detroit City	Serology	25175	38742
2021/03/23 13:30:14	Detroit City	Diagnostic	676952	1041779
2021/03/23 13:30:14	Detroit City	Total	702127	1080521
2021/03/23 13:30:14	Dickinson	Diagnostic	16947	671461
2021/03/23 13:30:14	Dickinson	Serology	164	6498
2021/03/23 13:30:14	Dickinson	Total	17111	677959
2021/03/23 13:30:14	Eaton	Diagnostic	108858	987213
2021/03/23 13:30:14	Eaton	Serology	5774	52363
2021/03/23 13:30:14	Eaton	Total	114632	1039576
2021/03/23 13:30:14	Emmet	Diagnostic	26359	788837
2021/03/23 13:30:14	Emmet	Serology	1500	44890
2021/03/23 13:30:14	Emmet	Total	27859	833727
2021/03/23 13:30:14	Genesee	Diagnostic	331957	818005
2021/03/23 13:30:14	Genesee	Serology	18800	46327
2021/03/23 13:30:14	Genesee	Total	350757	864332
2021/03/23 13:30:14	Gladwin	Diagnostic	16429	645566
2021/03/23 13:30:14	Gladwin	Serology	1138	44717
2021/03/23 13:30:14	Gladwin	Total	17567	690283
2021/03/23 13:30:14	Gogebic	Diagnostic	16928	1211306
2021/03/23 13:30:14	Gogebic	Serology	258	18462
2021/03/23 13:30:14	Gogebic	Total	17186	1229767
2021/03/23 13:30:14	Grand Traverse	Serology	6382	68559
2021/03/23 13:30:14	Grand Traverse	Diagnostic	78490	843181
2021/03/23 13:30:14	Grand Traverse	Total	84872	911739
2021/03/23 13:30:14	Gratiot	Diagnostic	50052	1229447
2021/03/23 13:30:14	Gratiot	Serology	1070	26283
2021/03/23 13:30:14	Gratiot	Total	51122	1255729
2021/03/23 13:30:14	Hillsdale	Diagnostic	40079	878829
2021/03/23 13:30:14	Hillsdale	Serology	949	20809
2021/03/23 13:30:14	Hillsdale	Total	41028	899638
2021/03/23 13:30:14	Houghton	Diagnostic	43150	1209225

2021/03/23 13:30:14	Houghton	Serology	259	7258
2021/03/23 13:30:14	Houghton	Total	43409	1216484
2021/03/23 13:30:14	Huron	Diagnostic	26208	845938
2021/03/23 13:30:14	Huron	Serology	684	22078
2021/03/23 13:30:14	Huron	Total	26892	868016
2021/03/23 13:30:14	Ingham	Diagnostic	296486	1013953
2021/03/23 13:30:14	Ingham	Serology	18853	64475
2021/03/23 13:30:14	Ingham	Total	315339	1078429
2021/03/23 13:30:14	Ionia	Diagnostic	68100	1052599
2021/03/23 13:30:14	Ionia	Serology	2170	33541
2021/03/23 13:30:14	Ionia	Total	70270	1086140
2021/03/23 13:30:14	Iosco	Serology	600	23879
2021/03/23 13:30:14	Iosco	Diagnostic	21475	854658
2021/03/23 13:30:14	Iosco	Total	22075	878537
2021/03/23 13:30:14	Iron	Diagnostic	23792	2150009
2021/03/23 13:30:14	Iron	Serology	125	11296
2021/03/23 13:30:14	Iron	Total	23917	2161305
2021/03/23 13:30:14	Isabella	Serology	1345	19249
2021/03/23 13:30:14	Isabella	Diagnostic	49068	702256
2021/03/23 13:30:14	Isabella	Total	50413	721505
2021/03/23 13:30:14	Jackson	Diagnostic	189558	1195874
2021/03/23 13:30:14	Jackson	Serology	3498	22068
2021/03/23 13:30:14	Jackson	Total	193056	1217942
2021/03/23 13:30:14	Kalamazoo	Serology	6884	25971
2021/03/23 13:30:14	Kalamazoo	Diagnostic	264371	997378
2021/03/23 13:30:14	Kalamazoo	Total	271255	1023349
2021/03/23 13:30:14	Kalkaska	Serology	716	39694
2021/03/23 13:30:14	Kalkaska	Diagnostic	14890	825480
2021/03/23 13:30:14	Kalkaska	Total	15606	865174
2021/03/23 13:30:14	Kent	Diagnostic	775391	1180280
2021/03/23 13:30:14	Kent	Serology	44536	67792
2021/03/23 13:30:14	Kent	Total	819927	1248072
2021/03/23 13:30:14	Keweenaw	Diagnostic	2036	962193
2021/03/23 13:30:14	Keweenaw	Serology	31	14650
2021/03/23 13:30:14	Keweenaw	Total	2067	976843
2021/03/23 13:30:14	Lake	Diagnostic	10015	844934
2021/03/23 13:30:14	Lake	Serology	200	16873
2021/03/23 13:30:14	Lake	Total	10215	861807
2021/03/23 13:30:14	Lapeer	Diagnostic	56851	648932
2021/03/23 13:30:14	Lapeer	Serology	3163	36104
2021/03/23 13:30:14	Lapeer	Total	60014	685037
2021/03/23 13:30:14	Leelanau	Serology	988	45402
2021/03/23 13:30:14	Leelanau	Diagnostic	11316	520013
2021/03/23 13:30:14	Leelanau	Total	12304	565415
2021/03/23 13:30:14	Lenawee	Serology	1944	19746
2021/03/23 13:30:14	Lenawee	Diagnostic	110705	1124468
2021/03/23 13:30:14	Lenawee	Total	112649	1144214
2021/03/23 13:30:14	Livingston	Diagnostic	174668	909753
2021/03/23 13:30:14	Livingston	Serology	7438	38741
2021/03/23 13:30:14	Livingston	Total	182106	948493

2021/03/23 13:30:14	Luce	Diagnostic	4694	753572
2021/03/23 13:30:14	Luce	Serology	37	5940
2021/03/23 13:30:14	Luce	Total	4731	759512
2021/03/23 13:30:14	Mackinac	Diagnostic	7373	682748
2021/03/23 13:30:14	Mackinac	Serology	127	11760
2021/03/23 13:30:14	Mackinac	Total	7500	694509
2021/03/23 13:30:14	Macomb	Diagnostic	746604	854265
2021/03/23 13:30:14	Macomb	Serology	55338	63318
2021/03/23 13:30:14	Macomb	Total	801942	917583
2021/03/23 13:30:14	Manistee	Serology	918	37381
2021/03/23 13:30:14	Manistee	Diagnostic	17143	698062
2021/03/23 13:30:14	Manistee	Total	18061	735443
2021/03/23 13:30:14	Marquette	Serology	1284	19251
2021/03/23 13:30:14	Marquette	Diagnostic	116147	1741360
2021/03/23 13:30:14	Marquette	Total	117431	1760611
2021/03/23 13:30:14	Mason	Diagnostic	28449	976153
2021/03/23 13:30:14	Mason	Serology	971	33317
2021/03/23 13:30:14	Mason	Total	29420	1009470
2021/03/23 13:30:14	Mecosta	Diagnostic	34241	788001
2021/03/23 13:30:14	Mecosta	Serology	950	21863
2021/03/23 13:30:14	Mecosta	Total	35191	809864
2021/03/23 13:30:14	Menominee	Diagnostic	22073	968964
2021/03/23 13:30:14	Menominee	Serology	140	6146
2021/03/23 13:30:14	Menominee	Total	22213	975110
2021/03/23 13:30:14	Midland	Serology	7119	85610
2021/03/23 13:30:14	Midland	Diagnostic	55338	665472
2021/03/23 13:30:14	Midland	Total	62457	751082
2021/03/23 13:30:14	Missaukee	Diagnostic	9129	603850
2021/03/23 13:30:14	Missaukee	Serology	618	40878
2021/03/23 13:30:14	Missaukee	Total	9747	644728
2021/03/23 13:30:14	Monroe	Diagnostic	137076	910804
2021/03/23 13:30:14	Monroe	Serology	5397	35860
2021/03/23 13:30:14	Monroe	Total	142473	946664
2021/03/23 13:30:14	Montcalm	Serology	2286	35781
2021/03/23 13:30:14	Montcalm	Diagnostic	67631	1058587
2021/03/23 13:30:14	Montcalm	Total	69917	1094368
2021/03/23 13:30:14	Montmorency	Diagnostic	6419	688143
2021/03/23 13:30:14	Montmorency	Serology	379	40630
2021/03/23 13:30:14	Montmorency	Total	6798	728774
2021/03/23 13:30:14	Muskegon	Diagnostic	180971	1042664
2021/03/23 13:30:14	Muskegon	Serology	3473	20010
2021/03/23 13:30:14	Muskegon	Total	184444	1062674
2021/03/23 13:30:14	Newaygo	Diagnostic	38429	784586
2021/03/23 13:30:14	Newaygo	Serology	1608	32830
2021/03/23 13:30:14	Newaygo	Total	40037	817415
2021/03/23 13:30:14	Oakland	Serology	106793	84919
2021/03/23 13:30:14	Oakland	Diagnostic	1184247	941684
2021/03/23 13:30:14	Oakland	Total	1291040	1026603
2021/03/23 13:30:14	Oceana	Diagnostic	30729	1161031
2021/03/23 13:30:14	Oceana	Serology	843	31851

2021/03/23 13:30:14	Oceana	Total	31572	1192882
2021/03/23 13:30:14	Ogemaw	Diagnostic	16038	763823
2021/03/23 13:30:14	Ogemaw	Serology	551	26242
2021/03/23 13:30:14	Ogemaw	Total	16589	790065
2021/03/23 13:30:14	Ontonagon	Diagnostic	6875	1201923
2021/03/23 13:30:14	Ontonagon	Serology	69	12063
2021/03/23 13:30:14	Ontonagon	Total	6944	1213986
2021/03/23 13:30:14	Osceola	Diagnostic	20924	891901
2021/03/23 13:30:14	Osceola	Serology	919	39173
2021/03/23 13:30:14	Osceola	Total	21843	931074
2021/03/23 13:30:14	Oscoda	Diagnostic	4763	577964
2021/03/23 13:30:14	Oscoda	Serology	298	36161
2021/03/23 13:30:14	Oscoda	Total	5061	614124
2021/03/23 13:30:14	Otsego	Diagnostic	17822	722474
2021/03/23 13:30:14	Otsego	Serology	907	36768
2021/03/23 13:30:14	Otsego	Total	18729	759243
2021/03/23 13:30:14	Ottawa	Serology	13798	47281
2021/03/23 13:30:14	Ottawa	Diagnostic	329583	1129366
2021/03/23 13:30:14	Ottawa	Total	343381	1176647
2021/03/23 13:30:14	Presque Isle	Diagnostic	9080	721093
2021/03/23 13:30:14	Presque Isle	Serology	523	41534
2021/03/23 13:30:14	Presque Isle	Total	9603	762627
2021/03/23 13:30:14	Roscommon	Diagnostic	16467	685582
2021/03/23 13:30:14	Roscommon	Serology	675	28103
2021/03/23 13:30:14	Roscommon	Total	17142	713685
2021/03/23 13:30:14	Saginaw	Serology	9011	47292
2021/03/23 13:30:14	Saginaw	Diagnostic	219285	1150867
2021/03/23 13:30:14	Saginaw	Total	228296	1198159
2021/03/23 13:30:14	Sanilac	Serology	1213	29463
2021/03/23 13:30:14	Sanilac	Diagnostic	45598	1107554
2021/03/23 13:30:14	Sanilac	Total	46811	1137017
2021/03/23 13:30:14	Schoolcraft	Serology	64	7907
2021/03/23 13:30:14	Schoolcraft	Diagnostic	5847	722387
2021/03/23 13:30:14	Schoolcraft	Total	5911	730294
2021/03/23 13:30:14	Shiawassee	Serology	2397	35187
2021/03/23 13:30:14	Shiawassee	Diagnostic	58173	853953
2021/03/23 13:30:14	Shiawassee	Total	60570	889140
2021/03/23 13:30:14	St Clair	Diagnostic	119178	748944
2021/03/23 13:30:14	St Clair	Serology	7523	47276
2021/03/23 13:30:14	St Clair	Total	126701	796221
2021/03/23 13:30:14	St Joseph	Diagnostic	51649	847205
2021/03/23 13:30:14	St Joseph	Serology	1530	25097
2021/03/23 13:30:14	St Joseph	Total	53179	872302
2021/03/23 13:30:14	Tuscola	Serology	2021	38683
2021/03/23 13:30:14	Tuscola	Diagnostic	53405	1022203
2021/03/23 13:30:14	Tuscola	Total	55426	1060886
2021/03/23 13:30:14	Unknown	Serology	24534	
2021/03/23 13:30:14	Unknown	Diagnostic	512082	
2021/03/23 13:30:14	Unknown	Total	536616	
2021/03/23 13:30:14	Van Buren	Diagnostic	83905	1108725

2021/03/23 13:30:14	Van Buren	Serology	1708	22570
2021/03/23 13:30:14	Van Buren	Total	85613	1131295
2021/03/23 13:30:14	Washtenaw	Serology	16705	45443
2021/03/23 13:30:14	Washtenaw	Diagnostic	585471	1592681
2021/03/23 13:30:14	Washtenaw	Total	602176	1638124
2021/03/23 13:30:14	Wayne	Serology	71590	64857
2021/03/23 13:30:14	Wayne	Diagnostic	1177511	1066768
2021/03/23 13:30:14	Wayne	Total	1249101	1131625
2021/03/23 13:30:14	Wexford	Diagnostic	25416	755731
2021/03/23 13:30:14	Wexford	Serology	1194	35503
2021/03/23 13:30:14	Wexford	Total	26610	791234

PUBLIC USE DATASETS

Diagnostic Tests by Result and County

README

Data include diagnostic tests for COVID-19 by date and county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Correctional includes state and federal prisons and county and city detention facilities.

Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.

The total number of positive tests may exceed the number of confirmed cases due to 1) a single individual may have more than one test performed; 2) MDHHS may receive data on positive tests in advance of a local health department classifying an individual as a confirmed or probable case, and 3) although efforts have been made to de-duplicate testing data, some duplication may occur.

DIAGNOSTIC TESTS BY RESULT AND COUNTY 2021-03-23

MessageDate	COUNTY	Negative	Positive	Total
3/22/2021	Alcona	3	0	3
3/22/2021	Alger	3	0	3
3/22/2021	Allegan	155	23	178
3/22/2021	Alpena	26	0	26
3/22/2021	Antrim	20	2	22
3/22/2021	Arenac	21	3	24
3/22/2021	Baraga	2	0	2
3/22/2021	Barry	75	11	86
3/22/2021	Bay	109	10	119
3/22/2021	Benzie	13	0	13
3/22/2021	Berrien	301	21	322
3/22/2021	Branch	94	10	104
3/22/2021	Calhoun	249	31	280
3/22/2021	Cass	61	2	63
3/22/2021	Charlevoix	18	4	22
3/22/2021	Cheboygan	35	6	41
3/22/2021	Chippewa	25	3	28
3/22/2021	Clare	71	4	75
3/22/2021	Clinton	88	14	102
3/22/2021	Correctional	84	14	98
3/22/2021	Crawford	12	1	13
3/22/2021	Delta	76	1	77
3/22/2021	Detroit City	1121	151	1272
3/22/2021	Dickinson	41	0	41
3/22/2021	Eaton	147	38	185
3/22/2021	Emmet	32	8	40
3/22/2021	Genesee	493	94	587
3/22/2021	Gladwin	11	0	11
3/22/2021	Gogebic	13	1	14
3/22/2021	Grand Traverse	75	11	86
3/22/2021	Gratiot	29	2	31
3/22/2021	Hillsdale	42	4	46
3/22/2021	Houghton	20	3	23
3/22/2021	Huron	20	3	23
3/22/2021	Ingham	507	74	581
3/22/2021	Ionia	80	4	84
3/22/2021	Iosco	49	2	51
3/22/2021	Iron	18	0	18
3/22/2021	Isabella	48	3	51
3/22/2021	Jackson	346	45	391
3/22/2021	Kalamazoo	414	52	466
3/22/2021	Kalkaska	13	1	14
3/22/2021	Kent	1401	176	1577
3/22/2021	Keweenaw	1	0	1
3/22/2021	Lake	18	0	18
3/22/2021	Lapeer	116	29	145
3/22/2021	Leelanau	7	1	8

3/22/2021	Lenawee	187	14	201
3/22/2021	Livingston	345	40	385
3/22/2021	Luce	6	0	6
3/22/2021	Mackinac	14	0	14
3/22/2021	Macomb	1395	282	1677
3/22/2021	Manistee	22	0	22
3/22/2021	Marquette	137	7	144
3/22/2021	Mason	35	0	35
3/22/2021	Mecosta	41	0	41
3/22/2021	Menominee	46	0	46
3/22/2021	Midland	40	6	46
3/22/2021	Missaukee	11	2	13
3/22/2021	Monroe	357	47	404
3/22/2021	Montcalm	104	8	112
3/22/2021	Montmorency	15	1	16
3/22/2021	Muskegon	195	20	215
3/22/2021	Newaygo	115	17	132
3/22/2021	Oakland	2758	378	3136
3/22/2021	Oceana	40	7	47
3/22/2021	Ogemaw	9	0	9
3/22/2021	Ontonagon	3	0	3
3/22/2021	Osceola	34	4	38
3/22/2021	Oscoda	5	1	6
3/22/2021	Otsego	64	23	87
3/22/2021	Ottawa	441	78	519
3/22/2021	Presque Isle	14	3	17
3/22/2021	Roscommon	33	6	39
3/22/2021	Saginaw	227	28	255
3/22/2021	Sanilac	91	31	122
3/22/2021	Schoolcraft	1	0	1
3/22/2021	Shiawassee	71	9	80
3/22/2021	St Clair	266	99	365
3/22/2021	St Joseph	59	6	65
3/22/2021	Tuscola	70	31	101
3/22/2021	Unknown	432	45	477
3/22/2021	Van Buren	127	9	136
3/22/2021	Washtenaw	1558	60	1618
3/22/2021	Wayne	2266	358	2624
3/22/2021	Wexford	49	19	68