



HEALTH
Department

COVID-19 Update

November 10, 2021



Executive Summary: COVID-19 Mass Testing and Containment Plan

MITIGATION ROADMAP



INCIDENT ACTION PLAN OBJECTIVES

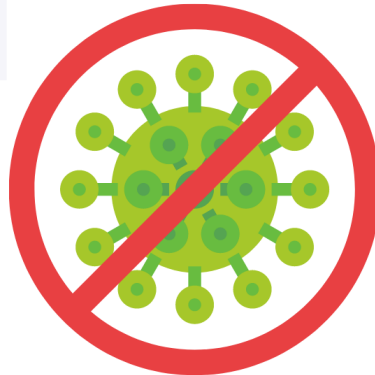
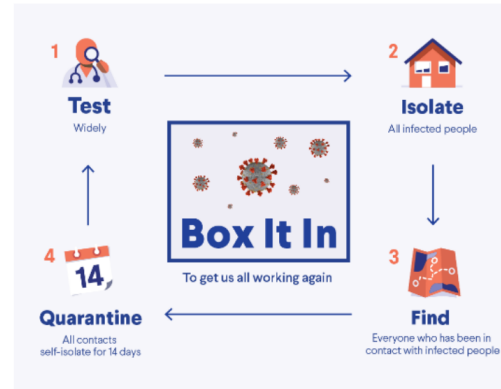
1. Identify cases, isolate the sick, quarantine the exposed, and protect vulnerable populations
2. Provide information to the public, media, and County staff to increase public awareness, address misinformation, and protect the public and increase community resiliency
3. Prepare, mitigate, and recover from widespread transmission in Allegan County

STATE & LOCAL ORDERS

Michigan Public Health Code



EPIDEMIOLOGICAL MODEL



Allegan County COVID-19 Dashboard

updated weekly on Fridays at 3pm.

<https://alleganco.maps.arcgis.com/apps/opsdashboard/index.html#/792287b41e3f485c97f968335b45ca6c>

Allegan County's COVID-19 data is updated Mondays, Wednesdays, and Fridays on the MDHHS COVID-19 website. Find the state's dashboard for COVID-19 cases and trends by visiting

www.michigan.gov/coronavirus



Cases

DAILY NEW CASES

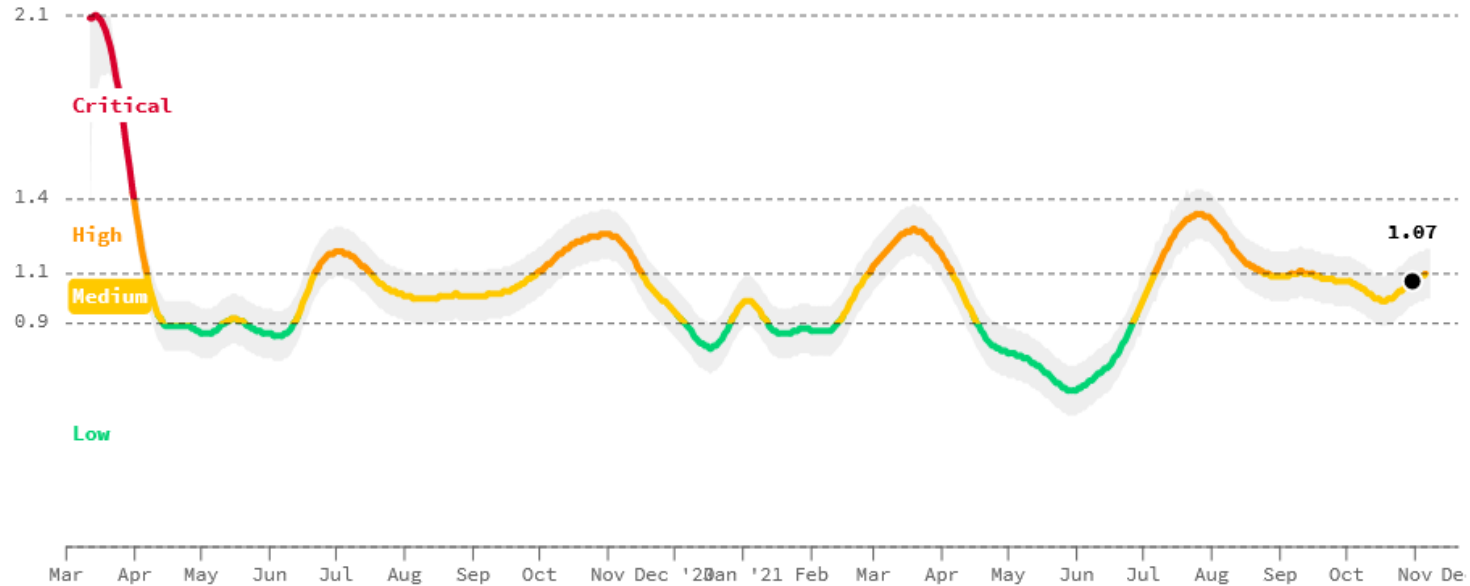
● **48.9** PER 100K

INFECTION RATE

● **1.08**

POSITIVE TEST RATE

● **10.5%**



On average, each person in Michigan with COVID is infecting 1.08 other people. Because this number is around 1.0, it means that COVID continues to spread at about a constant rate. [About this data](#)

Share

Updated 11/9/2021, data from 10/31/21

Cases

DAILY NEW CASES

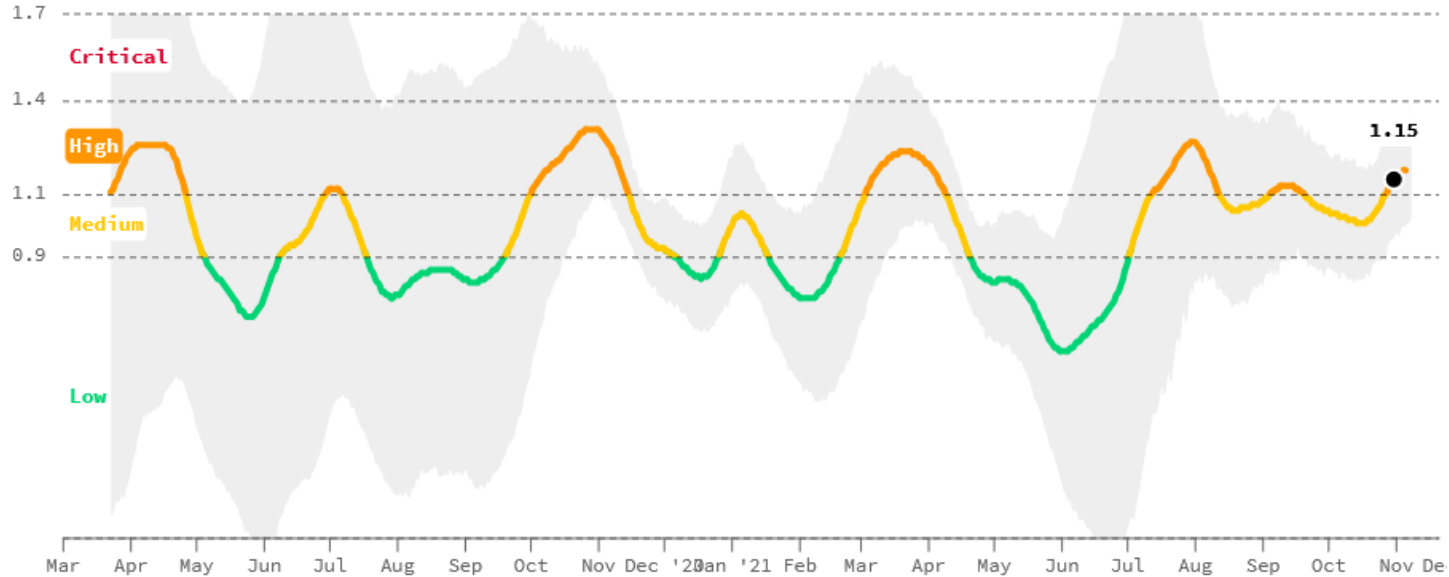
● **71.6** PER 100K

INFECTION RATE

● **1.16**

POSITIVE TEST RATE

● **21.1%**



On average, each person in Allegan County, Michigan with COVID is infecting 1.16 other people. As such, the total number of active cases in Allegan County, Michigan is growing. [About this data](#)

Share

Updated 11/9/2021, data from 10/31/21

Enhanced Ability to Test, <https://mistartmap.info/>

Alleghan County, data as of 11/7/2021

✓ **Test Positivity**
Nov 01 - Nov 07

21.6%
positive tests

3.5k
daily tests
administered
per million

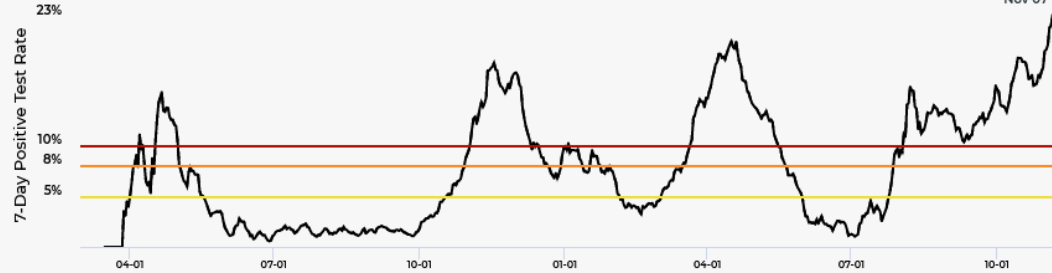
↗ **2 weeks** ⓘ
Oct 22 - Nov 05

7-Day Positive Test Rate
ALLEGAN COUNTY

Zoom 1m 3m 6m All



Nov 07

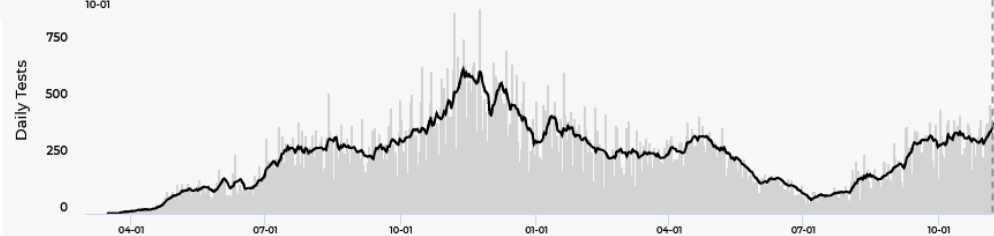


Daily Tests
ALLEGAN COUNTY

3m 6m All



Nov 07



Risk Thresholds (% Positive)



Low: <5%



Moderate 5-8%



Substantial 8-10%



High >=10%

New Cases,

<https://mistartmap.info/> Allegan County, data as of 11/7/2021



New Cases

Nov 01 - Nov 07

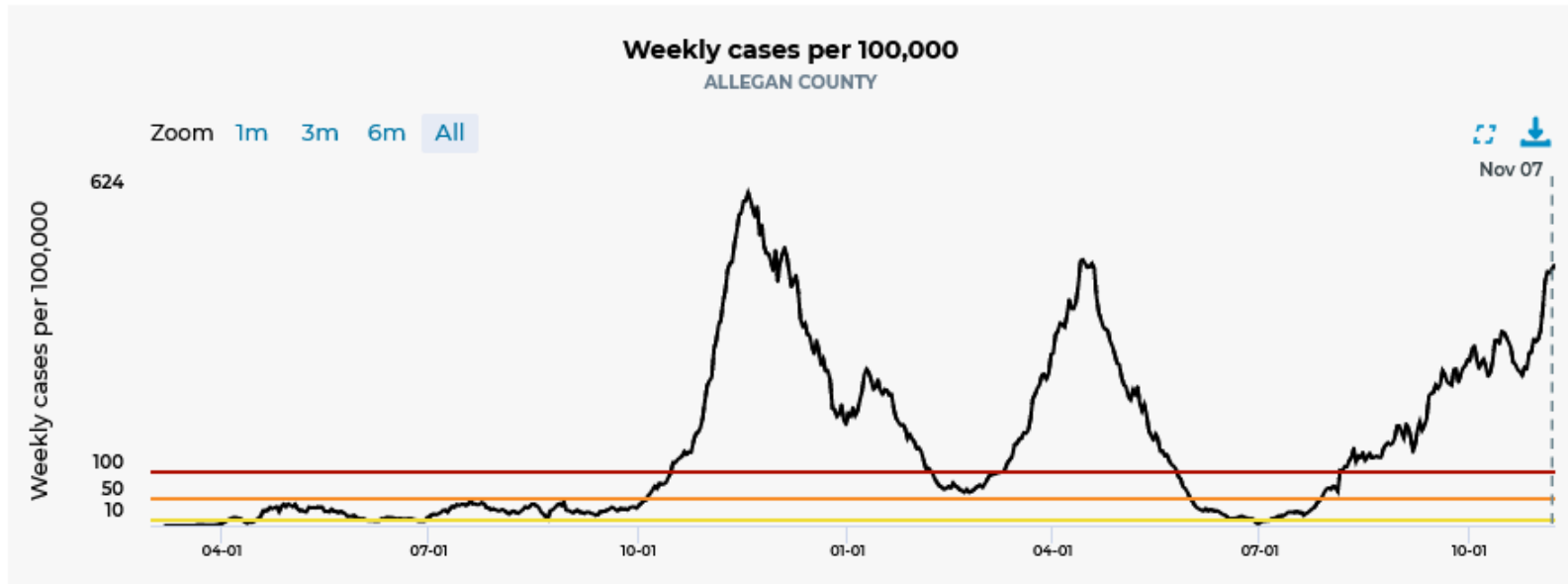
487.8

weekly cases per
100,000 population



576

weekly cases



Low: <10



Moderate 10-49



Substantial 50-99



High ≥ 100

Comparison with Neighboring Counties, <https://mistartmap.info/>

Allegan County, data as of 11/7/2021

Compare Geographic Areas

AREA	MI START MAP REGION RISK (NOV 07)	MI START MAP COUNTY RISK (NOV 07)	DAILY CASES PER MIL. (OCT 25 - OCT 31)	CDC CASE TREND (OCT 31)	% POSITIVE TESTS (NOV 01 - NOV 07)	% POSITIVE WEEKLY TREND (NOV 07)	DAILY TESTS PER MIL. (NOV 01 - NOV 07)
Allegan	E	E	482.2		21.5%	2w	3,452.1
Barry	E	E	466.2		24.2%	2w	2,699.8
Kalamazoo	E	E	278.5		11.9%	2w	4,245.7
Kent	E	E	353.4	16d	19.0%	7w	4,031.3
Ottawa	E	E	418.0		21.3%	6w	4,192.7
Van Buren	E	E	381.5	26d	15.1%	3w	3,729.3

Epidemiologic Information, All Ages Allegan County

Overall	Percent
Healthcare Worker	5.6%
Live or work in high-risk/congregate facility	7.4%
First Responder	0.8%
Other Essential Worker/Critical Infrastructure	13.6%
Healthcare Contact to confirmed case	0.5%
Community Contact to confirmed case	9.3%
Household Contact to confirmed case	17.7%
Total Cases: 15,461	

Cases Reported in Past two weeks	Percent
In quarantine at time of onset/positive test	12.7%
Associated with known cluster/outbreak	1.4%
Any Contact to confirmed case	12.4%
Healthcare contact to confirmed case	0.1%
Community contact to confirmed case	5.0%
Household contact to confirmed case	15.9%
Attended Community Event/Mass Gathering	2.1%
Any Travel (international, domestic, in state)	2.2%
Source of Infection is unknown	23.8%
Number of cases reported in past 2 weeks: 985	

With the current surge, school age children are prioritized for case investigation, so not every case ages 19-64 is able to be fully investigated.

Epidemiologic Information, Symptoms, **All Ages** Allegan County

Symptoms	Percent
Fatigue/Lethargy/ Weakness	70.4%
Cough	69.7%
Fever	52.4%
Chills	45.6%
Shortness of breath	22.4%
Muscle aches	57.1%
Headaches	68.2%
Runny Nose	52.0%
Nausea	24.4%
Congestion	62.7%
Sore throat	44.3%
Diarrhea	25.3%
Loss of Taste	43.9%
Loss of Smell	44.0%

Asymptomatic Cases: 11.4%

Total Cases: 15,461

Data as of 11/5/2021. Source: Michigan Disease Surveillance System

Allegheny County Case Trends Elementary School Ages 5-10

March 2020 through November 5, 2021

As of March 2020,

46.6 % were household contact to a confirmed case

18.5 % were asymptomatic cases (no symptoms but tested positive for COVID-19)

CASES REPORTED IN PAST TWO WEEKS: Data from 10/23/2021 to 11/5/21

For this section to auto-calculate,
enter the date you exported the data here ----->

11/05/21
mm/dd/yy

Number of Cases reported in past two weeks

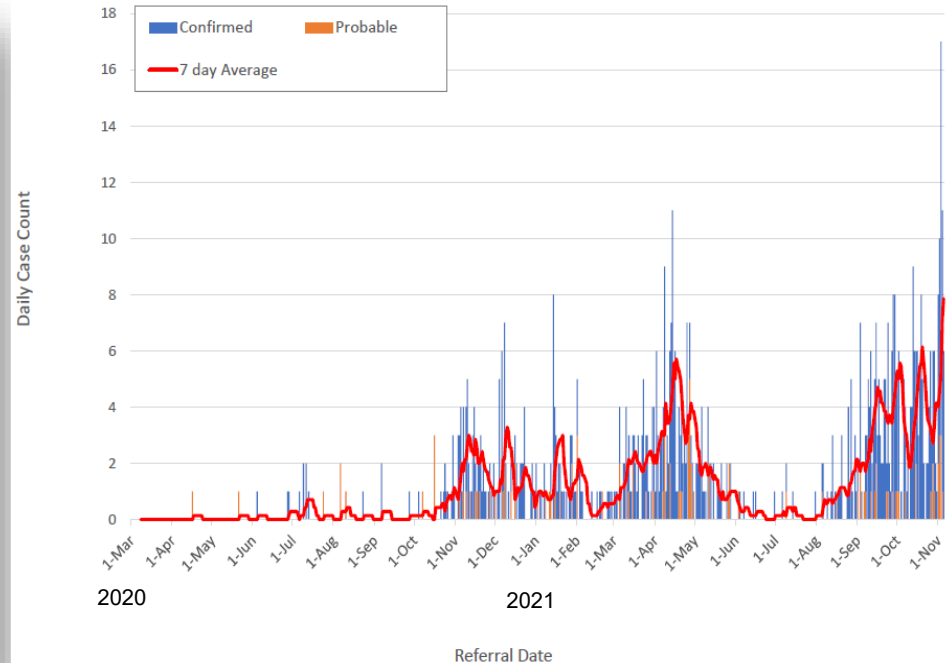
84

	Count	% **
In quarantine at time of onset/positive test	26	31.0%
Associated with known cluster/outbreak	3	3.6%
Any contact (HC, Comm, HH) to confirmed case	42	50.0%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	10	11.9%
Household Contact to confirmed case	33	39.3%
Attended Community Event/Mass Gathering	5	6.0%
Any Travel (international, domestic, in state)	5	6.0%
Source of infection is unknown	25	29.8%

** Denominator is the number of cases reported in past two weeks

Total Cases March 2020 to November 5, 2021: 738

Allegheny County COVID-19 Cases, Ages 5-10 by Referral Date



Allegan County Case Trends Middle School Ages 11-13

March 2020 through November 5, 2021

As of March 2020,
42.1 % were household contact to a confirmed case
14.6 % were asymptomatic cases (no symptoms but tested positive for COVID-19)

CASES REPORTED IN PAST TWO WEEKS: Data from 10/23/2021 to 11/5/21

enter the date you exported the data here -----> 11/05/21
 mm/dd/yy

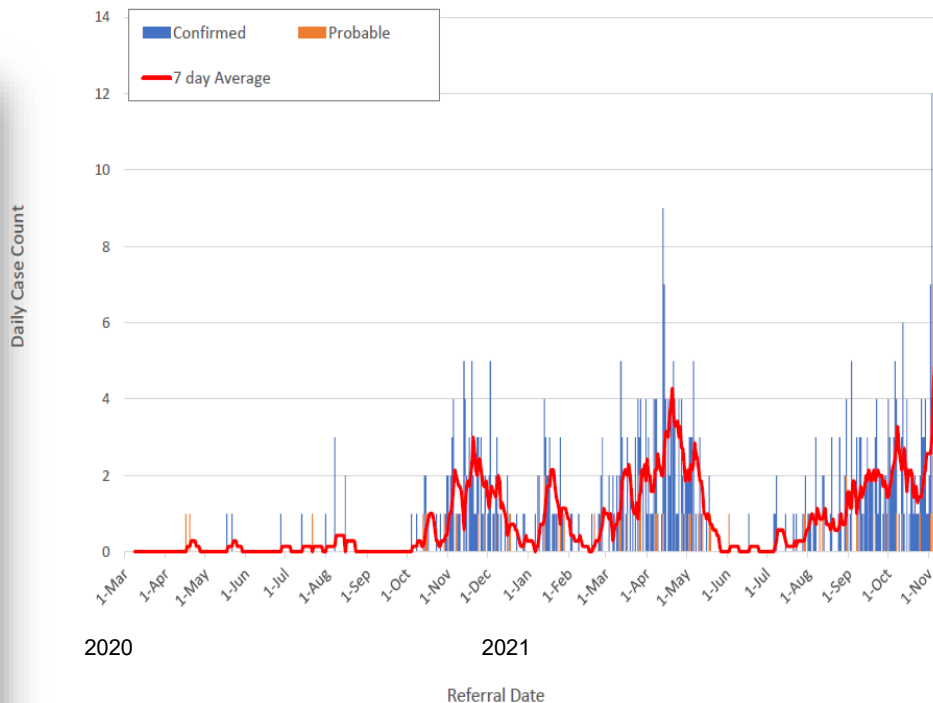
Number of Cases reported in past two weeks 54

	Count	% **
In quarantine at time of onset/positive test	7	13.0%
Associated with known cluster/outbreak	0	0.0%
Any contact (HC, Comm, HH) to confirmed case	13	24.1%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	3	5.6%
Household Contact to confirmed case	11	20.4%
Attended Community Event/Mass Gathering	2	3.7%
Any Travel (international, domestic, in state)	0	0.0%
Source of infection is unknown	25	46.3%

** Denominator is the number of cases reported in past two weeks

Total Cases March 2020 to November 5, 2021: 499

Allegan County COVID-19 Cases, Ages 11-13 by Referral Date



Source: Michigan Disease Surveillance System

Alleghan County Case Trends High School Ages 14 -17

March 2020 through November 5, 2021

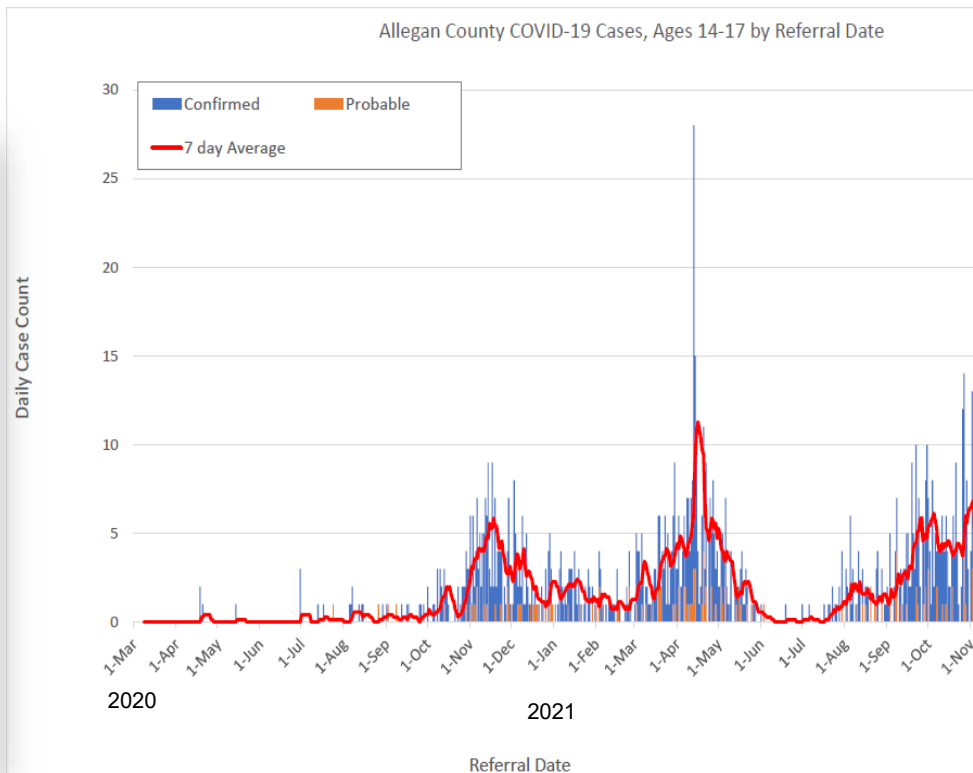
As of March 2020,
25.0 % were household contact to a confirmed case
12.5 % were asymptomatic cases (no symptoms but tested positive for COVID-19)

CASES REPORTED IN PAST TWO WEEKS: Data from 10/23/2021 to 11/5/21

enter the date you exported the data here ----->	11/05/21	
	mm/dd/yy	
Number of Cases reported in past two weeks	76	
	<u>Count</u>	<u>% **</u>
In quarantine at time of onset/positive test	17	22.4%
Associated with known cluster/outbreak	1	1.3%
Any contact (HC, Comm, HH) to confirmed case	29	38.2%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	6	7.9%
Household Contact to confirmed case	26	34.2%
Attended Community Event/Mass Gathering	1	1.3%
Any Travel (international, domestic, in state)	3	3.9%
Source of infection is unknown	32	42.1%

** Denominator is the number of cases reported in past two weeks

Total Cases March 2020 to November 5, 2021: 1,041



Source: Michigan Disease Surveillance System

**Allegan County Breakdown of Total COVID-19 Cases
by School Age (3-17)
From March 1, 2020 to November 5, 2021**

Breakdown of Cases by School Age Categories

Total Case Count	2416
Number of Cases <18 years	2416
% cases <18 years	100.0%

<u>Approximate Grade Level</u>	<u>Age</u>	<u>Case Count*</u>	<u>% total cases</u>	<u>% cases <18 years</u>
	0-2 years	0	0.0%	0.0%
Pre-K age	3-4 years	138	5.7%	5.7%
K-5th grade age	5-10 years	738	30.5%	30.5%
6-8th grade age	11-13 years	499	20.7%	20.7%
9-12th grade age	14-17 years	1041	43.1%	43.1%

**Case counts are based on case ages, which have been grouped into approximate grade levels.
These counts may not reflect the actual grade level of cases.
To prevent double-counting of cases, the age brackets do not overlap.*

**Allegan County Breakdown of COVID-19 Cases
by School Age (3-17)
Past 2 Weeks , As of November 5, 2021**

Breakdown of Cases by School Age Categories

Total Case Count	226
Number of Cases <18 years	226
% cases <18 years	100.0%

<u>Approximate Grade Level</u>	<u>Age</u>	<u>Case Count*</u>	<u>% total cases</u>	<u>% cases <18 years</u>
	0-2 years	0	0.0%	0.0%
Pre-K age	3-4 years	12	5.3%	5.3%
K-5th grade age	5-10 years	84	37.2%	37.2%
6-8th grade age	11-13 years	54	23.9%	23.9%
9-12th grade age	14-17 years	76	33.6%	33.6%

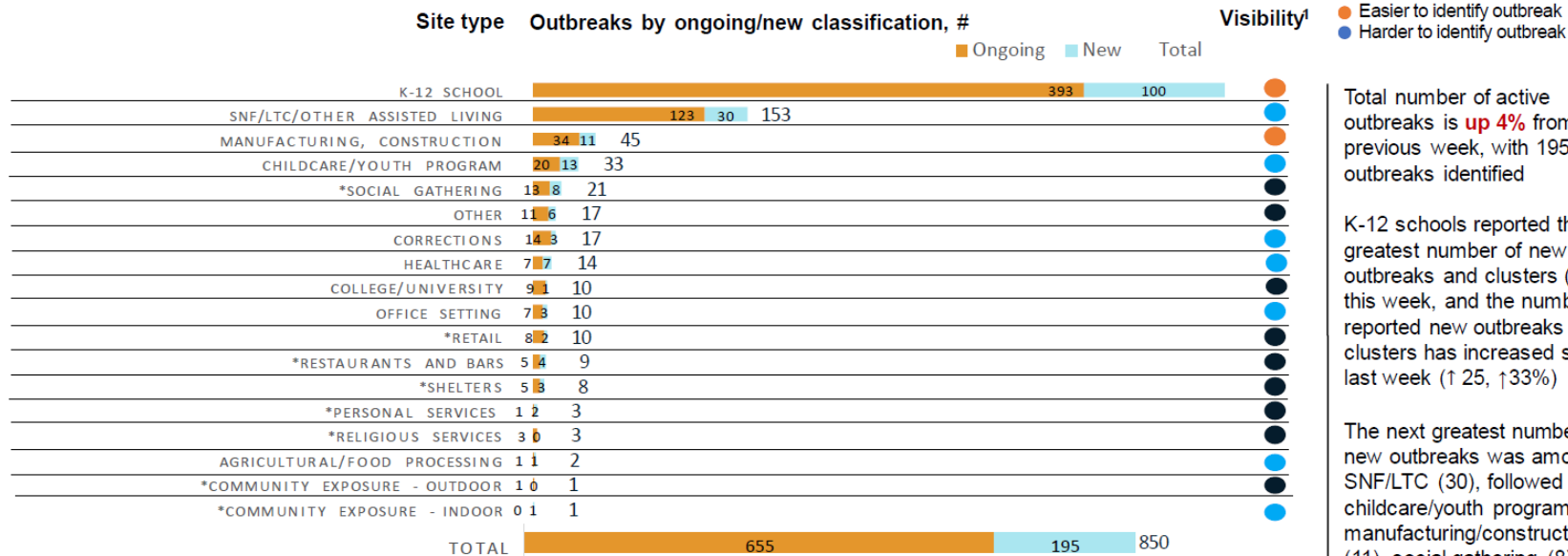
**Case counts are based on case ages, which have been grouped into approximate grade levels.
These counts may not reflect the actual grade level of cases.
To prevent double-counting of cases, the age brackets do not overlap.*

Household Contacts to a Confirmed Case (10/23/21-11/5/21):

5-10 years: 39.3%
11-13 years: 21.8%
14-17 years: 33.8%

Number of Weekly Reported Outbreaks

Number of outbreak investigations by site type, week ending Oct 28



● Easier to identify outbreak
● Harder to identify outbreak

Total number of active outbreaks is **up 4%** from previous week, with 195 new outbreaks identified

K-12 schools reported the greatest number of new outbreaks and clusters (100) this week, and the number of reported new outbreaks and clusters has increased since last week (↑ 25, ↑33%)

The next greatest number of new outbreaks was among SNF/LTC (30), followed by childcare/youth programs (13) manufacturing/construction (11), social gathering (8), healthcare (7), and 10 other settings with at least 1 new outbreak in the last week.

1. Based on a setting's level of control and the extent of time patrons/residents spend in the particular setting, different settings have differing levels of ability to ascertain whether a case derived from that setting

NOTE: Many factors, including the lack of ability to conduct effective contact tracing in certain settings, may result in significant underreporting of outbreaks. This chart does not provide a complete picture of outbreaks in Michigan and the absence of identified outbreaks in a particular setting in no way provides evidence that, in fact, that setting is not having outbreaks.

NOTE (10/4): MDHHS adopted the new [CSTE school cluster and outbreak definition](#) which impacts how transmissions within school-sponsored settings are reported to the health department

Source: LHD Weekly Sitreps

As of 11/4/21, ACHD has identified **5 ongoing** outbreaks and **4 new** outbreaks.

- 3 in Manufacturing/Construction
- 5 School K-12 setting
- 1 LTCF

Identified COVID-19 Cases Caused by Variants of Concern (VOC) in US and Michigan

SARS-CoV-2 Variants Circulating in the United States, Oct 17 – Oct 23 (NOWCAST)

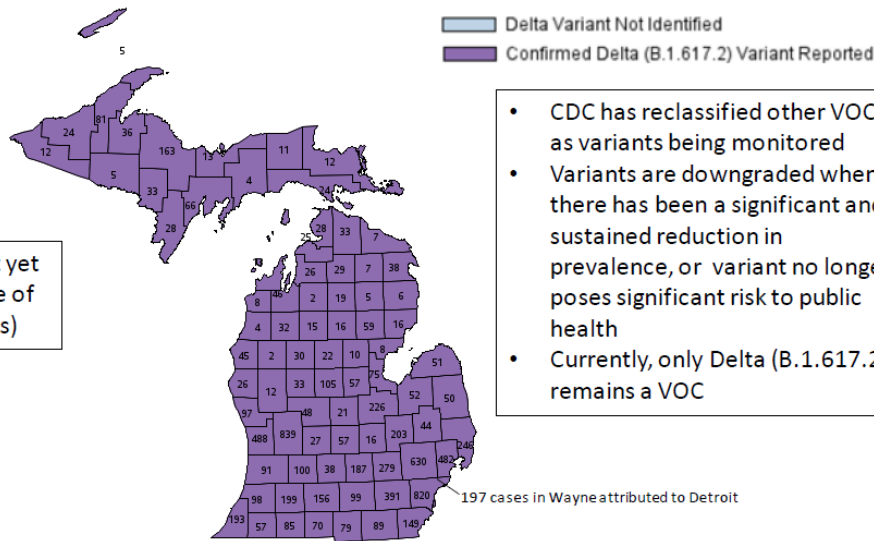
USA				
WHO label	Lineage #	US Class	%Total	95%PI
Alpha	B.1.1.7	VBM	0.0%	0.0-0.0%
Delta	B.1.617.2	VOC	99.5%	99.2-99.7%
	AY.1	VOC	0.1%	0.0-0.1%
	AY.2	VOC	0.0%	0.0-0.0%
Other	Other*		0.4%	0.3-0.8%

10/23/21
B.1.617.2

* Enumerated lineages are US VOC and lineages circulating above 1% nationally in at least one week period. "Other" represents the aggregation of lineages which are circulating <1% nationally during all weeks displayed.
 ** These data include Nowcast estimates, which are modeled projections that may differ from weighted estimates generated at later dates
 # Q.1-Q.8 are aggregated with B.1.1.7, AY.3-AY.38 and their sublineages are aggregated with B.1.617.2.

Currently, CDC is not yet reporting prevalence of AY.4.2 (i.e., Delta plus)

Variants of Concern in Michigan, Nov 1



Variant	MI Reported Cases ¹	# of Counties	MDHHS Sequenced Prevalence
B.1.617.2 (delta)	8,252	83	100%

Data last updated Nov 1, 2021
 Source: MDSS

Allegan County has **91** reported Delta variant cases (as of 11/1/21). Note: not every positive case is serosequenced for a variant.

- ▶ Many Allegan County residents access hospital services in the Grand Rapids and Kalamazoo Regions.
- ▶ Grand Rapids Region (Region 6)
 - ▶ 14.6% of inpatient beds are treating COVID-19 patients
- ▶ Kalamazoo Region (Region 5)
 - ▶ 13.1% of inpatient beds are treating COVID-19 patients

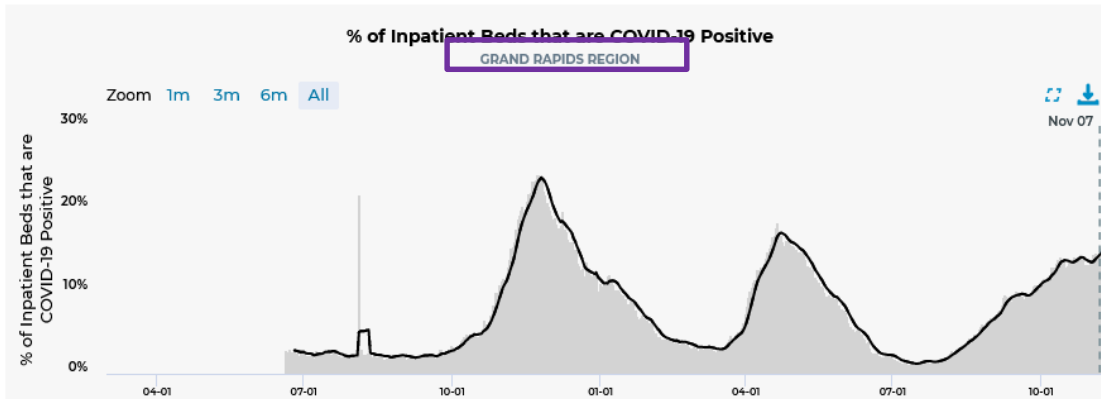
Data as of 11/7/21

17 Source: <https://mistartmap.info>

▼ **Hospital Capacity** Nov 07

14.6%
beds for COVID * ⓘ

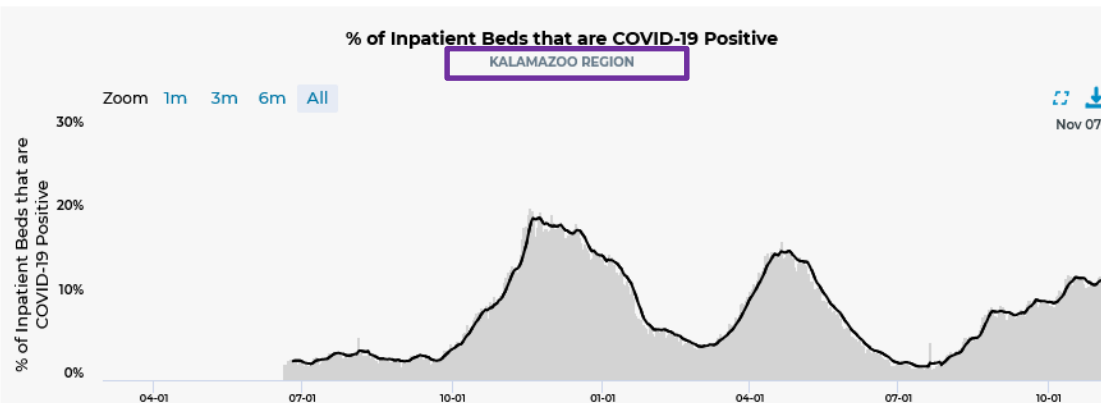
1.7k
inpatient beds per million



▼ **Hospital Capacity** Nov 07

13.1%
beds for COVID * ⓘ

1.4k
inpatient beds per million



Sufficient Health Care Capacity

Region 5: Allegan/Kalamazoo Hospital Systems

Region 6: Grand Rapids/Ottawa Hospital Systems

Statewide Hospital Capacity Report COVID-19 11/08/2021**

Region	All Hospital Beds	All Adult Hospital Beds	All Hospital Inpatient Beds	All Hospital Inpatient Bed Occupancy	Adult Hospital Inpatient Beds	Adult Hosp Inpatient Bed Occupancy	ICU Beds	ICU Bed Occupancy	Adult ICU Beds	Adult ICU Bed Occupancy
Region 5	1684	1667	1376	1096	1336	1073	196	146	184	142
Region 6	3210	2811	2914	2399	2548	2085	424	359	271	225

Region 5: **79.7%** of inpatient beds are occupied
 Region 6: **82.3%** of inpatient beds are occupied

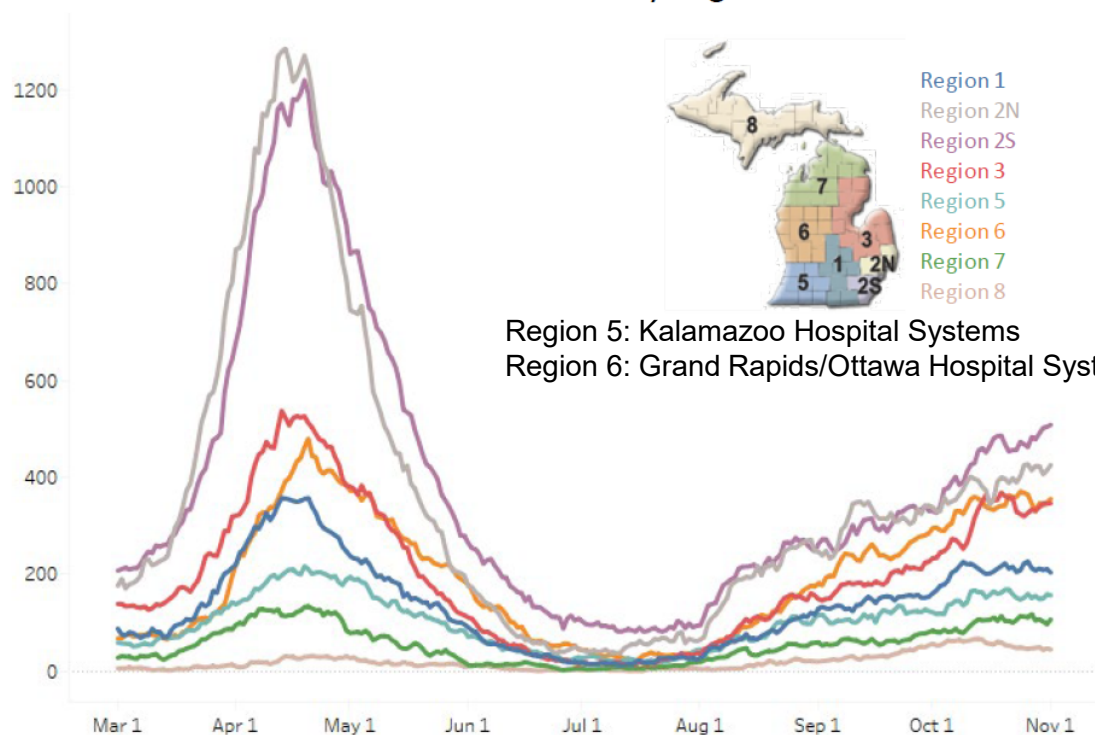
COVID-19 Metrics
 11/8/21, by HCC Region

HCC Region	Region 5	Region 6
Total Hospitalized Adult Suspected/Confirmed	201	412
Adult Confirmed-Positive COVID	191	406
Hospitalized Peds Confirmed/Suspected	3	10
Hospitalized Ped Confirmed-Positive	3	10
Hospitalized and Ventilated COVID	21	83
Adult ICU Confirmed/Suspected COVID	46	100
ICU Adult Confirmed-Positive COVID	45	100
Prev Day COVID Related ED Visits	198	223

Region 5	Region 6
↑	↑
↑	↑
↔	↔
↑	↑
↑	↑
↑	↑
↑	↑
↑	↑

Statewide Hospitalization Trends: Regional COVID+ Census

Hospitalization Trends 3/1/2021 – 11/1/2021
Confirmed Positive by Region



The hospital census of COVID+ patients has increased in some regions while decreasing in other regions.

Regions 2S, 3 and 5 showed growth while other regions were flat or showed small declines.

Region	COVID+ Hospitalizations (% Δ from last week)	COVID+ Hospitalizations / MM
Region 1	203 (-9%)	188/M
Region 2N	425 (0%)	192/M
Region 2S	508 (9%)	228/M
Region 3	346 (8%)	305/M
Region 5	156 (3%)	164/M
Region 6	355 (-4%)	242/M
Region 7	106 (-5%)	212/M
Region 8	44 (-6%)	141/M

Statewide Hospitalization Trends: Pediatric COVID+ Census



Source: [MDHHS November 2 Data Update](#)

Allegan County VACCINE DATA

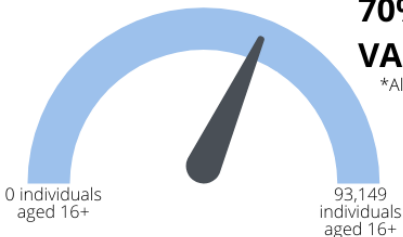
Updated 11/9/21
Data as of 11/4/21



62.2%

**70% OF ELIGIBLE INDIVIDUALS*
VACCINATED BY END OF 2021**

*Allegan County residents age 16+



As of November 5, **60,354** people have been vaccinated**



17,319 people ages 65 and older have been vaccinated**

**Individuals given at least 1 dose of vaccine. On 11/9, we began including the population 5 years and older.
a: MI Population estimates for Allegan County from Vital Records



Over 1 in 2 individuals are fully vaccinated (50.8%).

Over 4 in 5 individuals aged 65 and older are fully vaccinated (80.9%).

Fully Vaccinated: Individuals (5 years and older) receiving 2 doses of Pfizer or Moderna or 1 dose of J&J.

Total Doses Distributed*

106,230

*includes Moderna, J&J, Pfizer, and Pediatric Pfizer Vaccines

Primary Series Doses Administered*

110,757

Additional/Booster Doses Administered*

9,146

*based on person's residence.

PLANNED CLINICS November 8, 2021 to November 22, 2021



Note: Our goal of vaccinating 70% of the population accounted for the 16 and older population. With increasing the eligibility population, our vaccine coverage decreased. We are continuing to strive towards our goal of vaccinating 70% of residents 16 and older, which will reflect on the gauge at the top of this graphic.

6/1/2021 Update: Previous vaccine graphics included 96,451 as the population of Allegan County residents 12 years and older. After further review, 99,878 is a more accurate population estimation.



HEALTH
Department

On 11/9/21, we added the 5-11 population estimates to the eligible populations for vaccine. This changed the percentage of initially vaccinated and fully vaccinated.



HEALTH
Department

Updated 11/09/21
Data as of 10/26/21



Allegan County BREAKTHROUGH CASE DATA ALL AGES

Since January 2021, there have been:

Total COVID-19 cases
ages 19 and under:
2,105



8,890
Total COVID-19
Cases

185
Total COVID-19
Hospitalizations

94
Total COVID-19
Related Deaths

Total cases not
fully vaccinated
8,045

Total hospitalizations not
fully vaccinated
150

Total deaths not fully
vaccinated
84

% of not fully
vaccinated cases

% of not fully vaccinated
hospitalizations

% of not fully vaccinated
deaths



Data from January 1, 2021-October 26, 2021

As of October 26, there are **55,316** fully vaccinated individuals in Allegan County

Total breakthrough cases:

845

Total breakthrough hospitalizations:

35

all breakthrough hospitalizations over the age of 40

Total breakthrough COVID-19 related deaths:

10

all breakthrough deaths over the age of 65

% of breakthrough cases:

1.53%

% of breakthrough hospitalizations:

0.06%

% of breakthrough deaths:

0.017%

Breakthrough cases: the number of fully vaccinated people who developed COVID-19

Breakthrough hospitalizations: the number of fully vaccinated people who were hospitalized for COVID-19

Breakthrough deaths: the number of fully vaccinated people who died related to COVID-19

As of October 26, there is **4,657** fully vaccinated children ages 5-19

Total breakthrough cases:

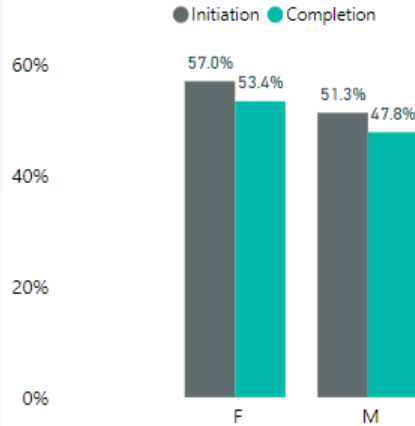
32

% of breakthrough cases:

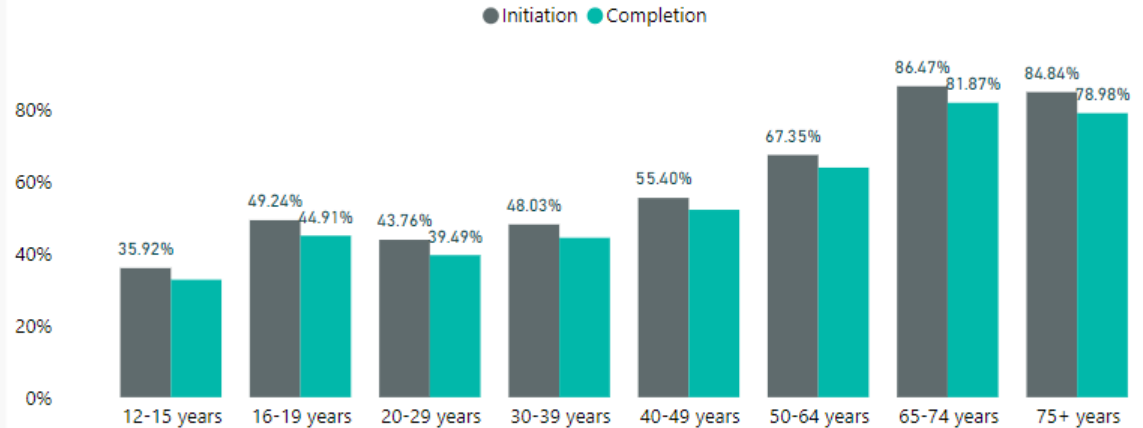
0.69%

Allegan County Vaccination by Gender and Age Group, As of November 5, 2021

COVID Vaccine Coverage by Sex



COVID Vaccine Coverage by Age Group



Age 12-15
 Initiated: 2,417: 35.9%
 Completed: 2,199: 32.7%

Age 16-19
 Initiated: 2,844: 49.2%
 Completed: 2,594: 44.9%

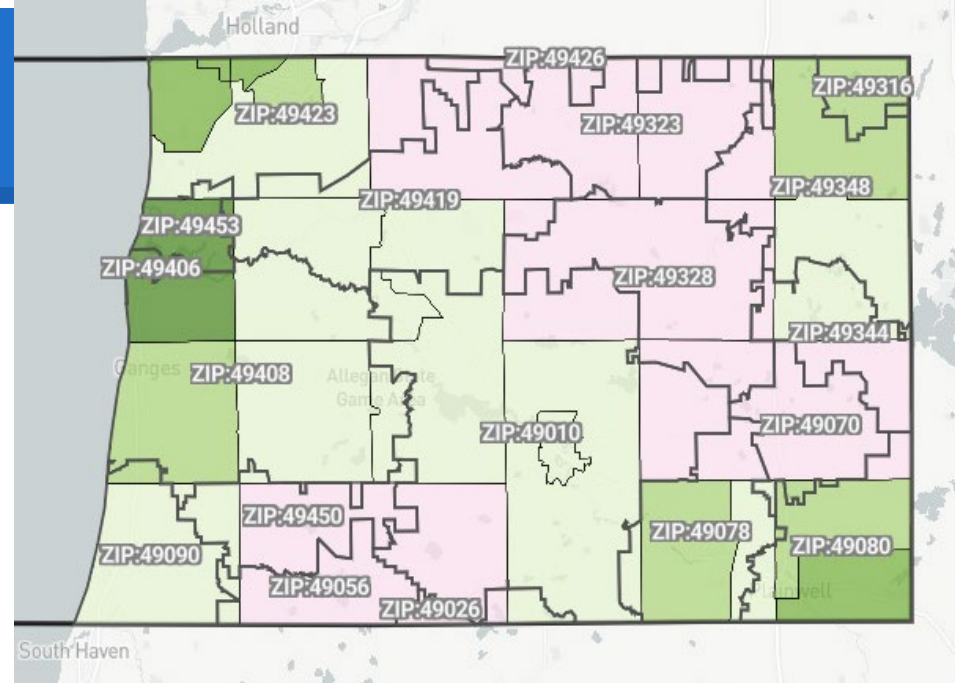
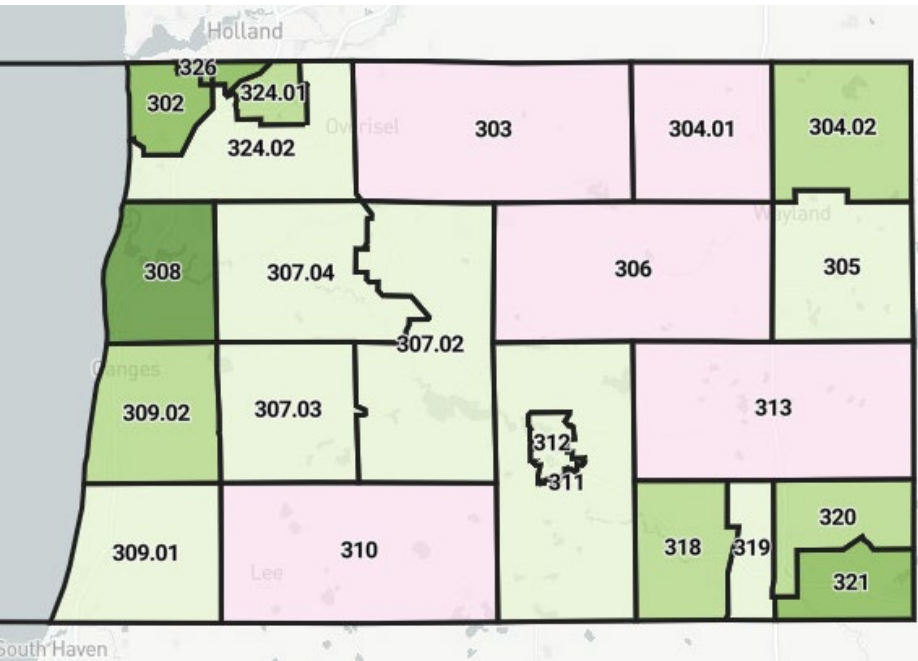
Definitions:

Initiation: Percentage who have received either 1 or more doses of ANY vaccine.

Completion: Percentage of Allegan County Residents receiving 2 doses of Pfizer or Moderna or 1 dose of J&J.

Source: Michigan Disease Surveillance System; [MI COVID-19 Vaccine Dashboard](#)

Data as of 11/5/21



Color coded by: Fully Vaccinated (% Ages 16+)

0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% >90% <150 Population



Public Health COVID-19 Advisory

Level of Community Transmission: High

Allegan County Health Department strongly recommends everyone to:



Wear a mask in public

In settings with a lot of people (restaurants, festivals, fairs, events, stores, etc.), wearing a mask provides you extra protection



Get a COVID-19 vaccine

This helps lessen the impact of severe illness, resulting in hospitalization or death

Actions including **social distancing, frequent handwashing, screening and testing, and isolation/quarantine** help lessen the level of transmission



HEALTH
Department

#DoYourPart

CDC Levels of Community Transmission

Allegan County Level of Community Transmission: High

Indicator - If the two indicators suggest different transmission levels, the higher level is selected	Low Transmission Blue	Moderate Transmission Yellow	Substantial Transmission Orange	High Transmission Red
Total new cases per 100,000 persons in the past 7 days	0-9.99	10-49.99	50-99.99	≥100
Percentage of NAATs ¹ that are positive during the past 7 days	0-4.99%	5-7.99%	8-9.99%	≥10.0%

Footnote:

Level of Community Transmission: This metric ** uses two indicators for categorization (1. Total number of new cases per 100,000 persons within the last 7 days and 2. Percentage of positive diagnostic and screening nucleic acid amplification tests (NAAT) during the last 7 days). INAAAT remains the "gold standard" for clinical diagnostic detection of SARS-CoV-2 and includes viral testing such as Nucleic Acid Amplification Tests (NAATs), which include reverse transcriptase-polymerase chain reaction (RT-PCR) tests. Total number of new cases per 100,000 persons within the last 7 days is calculated by adding the number of new cases in the county (or other administrative level) in the last 7 days divided by the population in the county (or other administrative level) and multiplying by 100,000. Percentage of positive diagnostic and screening NAAT during the last 7 days is calculated by dividing the number of positive tests in the county (or other administrative level) during the last 7 days by the total number of tests resulted over the last 7 days. If the two indicators suggest different transmission levels, the higher level is selected. Transmission categories include Blue (Low Transmission); Control is achieved largely through individual prevention behaviors and the public health response to identify and isolate cases or clusters. Threshold: Counties with fewer than 10 cumulative cases per 100,000 population in the past 7 days, and a cumulative NAAT percent test positivity result below 5% in the past 7 days. Yellow (Moderate Transmission); Adherence to individual and selected community level prevention strategies are needed. Threshold: Counties with 10-49 cumulative cases per 100,000 population or a cumulative NAAT test positivity result between 5.0-7.9% in the past 7 days. Orange (Substantial Transmission); Everyday activities should be limited to reduce spread and protect the health care system. Threshold: Counties with 50-99 cumulative cases per 100,000 population or a cumulative NAAT test positivity result between 8.0-9.9% in the past 7 days. Red (High Transmission); Significant measures are needed to limit contact between persons, with priority given to maintaining essential community activities and services (e.g., health care, transportation, food and agriculture, schools). Threshold: Counties with cumulative cases ≥100 per 100,000 population or a cumulative NAAT test positivity result ≥10.0% in the past 7 days. The Level of Community Transmission table display the number of counties in each level and the change from the prior week.

TOOLS THAT HELP PREVENT COVID-19 IN SCHOOLS/BUSINESSES



What we are trying to do is to get the virus transmission level so low in the community that it can't continue to spread.

- These tools by themselves are helpful, but when paired together, we can get to our intended outcome (low to no virus transmission) quicker.
 - As community transmission increases, we need more tools to help provide protection
 - As vaccination rate within a community increases, fewer tools need to be practiced since there is a layer of protection

Monoclonal Antibody (MAB) Treatment for COVID-19



What is MAB Treatment?

Generally, antibodies are proteins that people's bodies make to fight viruses, including COVID-19. Monoclonal antibodies (MABs) are made in a laboratory that act a lot like natural antibodies to limit the amount of virus in your body.

MAB treatment is for people who have tested positive for COVID-19 and have mild to moderate symptoms. These treatments are allowed by the Food and Drug Administration (FDA) under an Emergency Use Authorization (EUA) while clinical studies continue to look at their usefulness and safety. Recently the FDA approved the use of monoclonal antibodies to treat certain high-risk adult and pediatric patients who have been exposed to COVID-19. This treatment method is known as post-exposure prophylaxis, or PEP.

Who can receive MAB Treatment?

Individuals that have mild to moderate COVID-19, or are a close contact with the following risk factors:

Are over the age of 65

Have other health conditions considered by their health care provider to place them at higher risk for severe illness

OR

Over the age of 12 with:

- chronic kidney disease
- heart or lung disease
- obesity
- diabetes
- pregnancy
- immunosuppressive disease

How do I get MAB Treatment?

Antibodies may be administered only in settings where health care providers have immediate access to medications to treat any reactions and where emergency medical systems are available, if needed.

Talk to your doctor or primary provider about MAB treatment if you have COVID-19 or are a close contact at high risk for severe disease or hospitalization.



HEALTH
Department

Learn more about MAB treatment by visiting www.michigan.gov/coronavirus.

Anti-viral Oral Medications for COVID-19

- ▶ Research showing the oral antiviral pills showing a significant decrease in health impact of COVID-19 if taken
- ▶ 1st phase of COVID-19 infection (replication phase): virus rapidly replicates in body
- ▶ 2nd phase of COVID-19 infection (inflammatory phase): defective immune response gets triggered by replicated virus
 - ▶ Antivirals not as beneficial
- ▶ More information to come in future updates

Boosters

- ▶ **How can I get my booster dose?**
We will provide booster doses for anyone in the eligible groups at scheduled ACHD Vaccine clinics. We provide walk-in availability or the option to make an appointment. People can also visit www.vaccines.gov for pharmacies that are providing booster doses. Please bring your vaccine card or copy of your record when you get your booster dose.

COVID-19

Am I eligible for a booster shot?

Who?

If you received a Pfizer or Moderna series:

- > 65 years and older
- > Age 18+ who live in long-term care settings
- > Age 18+ who have underlying medical conditions
- > Age 18+ who work or live in high-risk settings

If you received a J&J vaccine:

- > Age 18+

When?

- > At least 6 months after Pfizer or Moderna
- > At least 2 months after J&J

Which booster shot do I get?

- > You may have a preference, but you can get any booster shot.



FIND OUT MORE AT CDC.GOV & VACCINES.GOV

Mitigation vs. Adaptation of COVID-19

- ▶ Mitigation strategies help reduce the severity of illness and burden. Effective mitigation takes community cooperation.
- ▶ Adaptation is learning how to adjust and live with COVID-19 in our communities. **What is the new normal?**
 - ▶ Healthy workplace policies
 - What does sick time look like?
 - What does PTO look like?
 - What does health screenings, cleaning, workplace flow processes look like?



HOLIDAY

Recipe for Thanksgiving 2021



Makes: One Happy and Healthy Holiday

Ingredients:

Vaccination
Mask
Hand Soap
Hand Sanitizer
Outdoors
Communication
Safe Travels

Steps:

Get vaccinated. Children and adults age 5 and up should get a COVID-19 vaccine.

Wear a mask. Wear a cloth or surgical face mask over your mouth and nose when grocery shopping or in other public indoor settings, or when serving food.

Wash your hands before eating or serving food.

Outdoors is safer than indoors—enjoy a picnic or other outdoor activities, weather permitting.

Communicate in advance with guests about your COVID-19 ground rules and the precautions you're taking. Cancel plans if you're sick.

Safe Travels. If possible, delay travel if you are not vaccinated. If traveling with unvaccinated family members, avoid crowds, wear a mask, and get tested.

Children 5–11 Now Eligible for COVID–19 Vaccines

The CDC recommends that all children age 5 and older get a COVID–19 vaccine.

Vaccination is the best way to protect our children, friends, and families from COVID–19



11/3/2021

The dose for children age 5-11 is one-third of the dosage of the vaccine for older adolescents and adults.

Update to Testing Guidance for Fully Vaccinated

- Fully vaccinated people with no COVID-like symptoms following an exposure to someone with suspected or confirmed COVID-19 should seek testing to ensure they are not infected
- Fully vaccinated people who have come into close contact with someone with COVID-19 should be tested 5-7 days following the date of their exposure and wear a mask in public indoor settings for 14 days or until they receive a negative test result
 - If test is positive, individuals should isolate
 - Regardless of result, fully vaccinated people who live in a household with someone who is immunosuppressed, at increased risk of severe disease, or unvaccinated (including children <12 years of age) could also consider masking at home for 14 days following a known exposure or until they receive a negative test result
- Most fully vaccinated people with no COVID-like symptoms do not need to quarantine or be restricted from work following an exposure to someone with suspected or confirmed COVID-19, if they follow the testing and masking recommendation above
- Fully vaccinated people should monitor for symptoms of COVID-19 for 14 days following an exposure

Lab confirmed COVID-19 among adults hospitalized with COVID like illness with infection-induced or vaccine induced immunity

- ▶ [View the study referenced here](#)
- ▶ Examined hospitalizations in adults with COVID-19–like illness and compared the odds of receiving a positive SARS-CoV-2 test result between unvaccinated patients with a previous SARS-CoV-2 infection occurring 90–179 days before COVID-19–like illness hospitalization, and patients who were fully vaccinated with an mRNA COVID-19 vaccine 90–179 days before hospitalization with no previous documented SARS-CoV-2 infection.

A study of hospitalized patients with symptoms similar to COVID-19* found...

Unvaccinated people with a previous infection were



5x

more likely to have a positive COVID-19 test compared to vaccinated people[†]

*COVID-19-like illness hospitalizations 90–179 days after prior infection or full vaccination
†Received two doses of an mRNA vaccine and no previous infection

Get vaccinated as soon as possible

bit.ly/MMWR7044e1



OSHA's COVID-19 Vaccination Emergency Temporary Standard

- ▶ The Occupational Safety and Health Administration (OSHA) has released an emergency temporary standard (ETS) requiring private employers with 100 or more employees to mandate vaccination or weekly testing and masking for their unvaccinated employees. **The ETS requires covered employers to ensure all unvaccinated workers begin wearing masks by Dec. 5, 2021, and provide a negative COVID-19 test on a weekly basis beginning Jan. 4, 2022.**
- ▶ The ETS on Vaccination and Testing was officially filed in the Office of the Federal Register on November 4, 2021, and it became effective when it was published on November 5, 2021.
- ▶ Legal challenges to the ETS have been and will be made, but until these challenges are resolved, employers must prepare for compliance.
- ▶ Find OSHA resources, including template policies for vaccinations and testing [here](#)

The key requirements of the ETS

- ▶ Employer Policy on Vaccination
- ▶ Determination of employee vaccination status
- ▶ Employer support for employee vaccination
- ▶ COVID-19 testing for employees who are not fully vaccinated
- ▶ Employee notification to employer of a positive COVID-19 test and removal
- ▶ Face Coverings
- ▶ Information provided to employees
- ▶ Reporting COVID-19 fatalities and hospitalizations
- ▶ Availability of Records

Testing for Employees

- ▶ To find labs that can partner for testing, click [here](#).
- ▶ To refer staff to testing at a pharmacy, click [here](#).



NOVEMBER VACCINE CLINICS



 **VACCINATING AGES 5 AND UP STARTING NOVEMBER 8TH**

Make an appointment ahead of time by visiting www.allegancounty.org/covid

Monday, November 8 | 3:00pm-6:00pm

Allegan High School, 1560 M-40, Allegan

Tuesday, November 9 | 3:00pm-6:00pm

Casco United Methodist Church,
880 66th St., South Haven

Saturday, November 13 | 10:00am-1:00pm

Wayland High School,
870 E. Superior St., Wayland

Sunday, November 14 | 3:00pm-6:00pm

Hamilton High School,
4911 136th Ave., Hamilton

Tuesday, November 16 | 3:00pm-6:00pm

Casco United Methodist Church,
880 66th St., South Haven

Thursday, November 18 | 5:00pm-7:30pm

Starr Elementary School,
601 School Dr., Plainwell

Friday, November 19 | 1:00pm-4:00pm

Plainwell Department of Public Safety,
119 Island Ave., Plainwell

Monday, November 22 | 3:00pm-6:00pm

Allegan High School, 1560 M-40, Allegan

Tuesday, November 23 | 3:00pm-6:00pm

Casco United Methodist Church,
880 66th St., South Haven

Monday, November 29 | 3:00pm-6:00pm

Allegan High School, 1560 M-40, Allegan

Tuesday, November 30 | 3:30pm-6:30pm

Saugatuck High School,
401 Elizabeth St., Saugatuck

Please schedule an appointment ahead of time by visiting www.allegancounty.org/covid



HEALTH
Department

Pfizer-BioNTech, Moderna, and J&J Booster Shots available to those who are eligible

(Minors ages 5 to 17 will need a parent or legal guardian to accompany them to their appointment in order to provide consent to receive the COVID-19 vaccine. The dose for children age 5-11 is one-third of the dosage of the vaccine for older adolescents and adults.)

FREE

DRIVE THRU COVID-19 TESTING EVENTS



GRATIS

CONDUCE A TRAVÉS DE EVENTOS DE PRUEBA DE COVID 19



Every Wednesday: 1pm - 7pm
Allegan County Transportation Building
750 Airway Dr., Allegan

FREE Drive-thru Rapid COVID-19 testing
Available to individuals of any age, regardless of symptoms.
Individuals under the age of 18 will need parental/guardian consent.

No pre-registration | No insurance needed | No doctor's note needed



NOTICE: In the event of severe weather, ACHD will cancel testing events for the protection of staff and residents. Please check our Facebook page @AlleganCountyHD or call 269-686-4546 for any cancellation notices the day of the event.



HEALTH
Department

Cada Miércoles: 1pm - 7pm
Allegan County Transportation Building
750 Airway Dr., Allegan

COVID-19 rápido para conducir GRATIS
Disponible para personas de cualquier edad*, independientemente de los síntomas. Las personas menores de 18 años necesitarán el consentimiento de los padres / tutores.

Sin preinscripción | No se necesita seguro | No se necesita una nota del médico



AVISO: En caso de mal tiempo, ACHD cancelará los eventos de prueba para la protección del personal y los residentes. Consulte nuestra página de Facebook @AlleganCountyHD o llame al 269-686-4546 para recibir avisos de cancelación el día del evento.



HEALTH
Department

Testing Expanded

- ▶ Saturday, November 13th from 10am – 3pm at [Wayland High School](#)
- ▶ Sunday, November 14th from 3pm – 7pm at [Hamilton High School](#)
- ▶ Tuesday, November 16th from 3pm – 7pm at [Casco United Methodist Church](#)
- ▶ Thursday, November 18th from 3pm – 7pm at [Plainwell Middle School](#)
- ▶ Monday, November 22nd from 3pm – 7pm at [Allegan High School](#)
- ▶ Tuesday, November 23rd from 3pm – 7pm at [Casco United Methodist Church](#)
- ▶ Monday, November 29nd from 3pm – 7pm at [Allegan High School](#)

These testing events happen at the same locations as vaccine clinic events. Please follow testing signage in the parking lots upon arrival. Testing events are curbside so individuals do not need to leave their vehicles.

Confirmed Cyanobacteria Blooms in Swan Lake

**ADVISORY
CONFIRMED
CYANOBACTERIA
HARMFUL BLOOMS
PRESENT.**

**KEEP PEOPLE
AND PETS
OUT OF AREA.**

This Advisory remains in effect until future testing shows no harmful cyanobacteria present.



HEALTH
Department

Environmental Health (269) 673-5415

Two Important Health Studies in Your Area



MiPEHS

Michigan PFAS
Exposure &
Health Study



**Multi-site
Health Study**

People in the Belmont/Rockford area and the Parchment/Cooper Township area could be eligible!



People from 7 states are eligible, including some Michiganders who are also eligible for MiPEHS!



**A PFAS Exposure
& Health Survey**

**A PFAS Exposure
& Health Survey**

✓ Blood sample
✓ Blood spot

✓ Newborn blood spot
✓ Water samples

✓ Blood sample
✓ Urine sample

State of Michigan funded

CDC/ATSDR funded

3 study visits total
one every other year beginning in 2020

1 study visit
in 2021-2022

Blood testing on participants
12 years old and older

Blood testing on participants
4 years old and older

Participation in both is encouraged!

To find out more call 855-322-3037 or visit Michigan.gov/DEHbio

GET A FLU VACCINE TO PROTECT YOURSELF, YOUR FAMILY AND YOUR COMMUNITY.

FIGHT FLU

#FIGHT FLU

Get the **FLU** **SHOT** not the flu!

Allegan County Health Department

Wed, Oct 6, 9am-11am
Thurs, Oct 28, 2pm-4pm
Wed, Nov 17, 11am-1pm

Vaccines Available	
<i>If you are unsure which vaccine to choose, please talk with your healthcare provider:</i>	
Flu	Pneumonia <i>(discuss with your healthcare provider)</i>
High Dose Quadrivalent (65 years and up)	Pneumovax 23 (19 years and up)
Quadrivalent (6 months and up)	Prevnar 13 (19 years and up)
Quadrivalent FluMist Nasal Spray (2-17 years)	

NOTE: All vaccines listed may not be available at every clinic. Delivery times are expected to be delayed due to the increased quantities manufacturers are producing.

Flu and pneumonia vaccines are **FREE** with most insurances.
 All Medicare Part B plans and most commercial insurances are accepted.
 We are not able to accept any Medicaid or Medicaid HMO insurances. Anyone with Medicaid or Medicaid HMO insurance should contact their primary care physician for an immunization.

Appropriate COVID-19 guidelines will be followed.
 Each patient will undergo COVID-19 screening.





Healthy Ways to Cope with Stress

Everyone reacts differently to stressful situations. The changes that can happen because of the COVID-19 pandemic can affect anyone. Coping with stress in healthy ways during the COVID-19 pandemic will make you, your loved ones, and your community stronger.

- **Take breaks from watching, reading, or listening to news stories**, including those on social media.
- **Take breaks to unwind through yoga, music, gardening, or new hobbies.** Try to do some other activities you enjoy.

Take care of your body:

- Get vaccinated with a COVID-19 [vaccine](#).
- Take deep breaths, stretch, or [meditate](#).
- [Eat healthy, well-balanced meals](#).
- [Exercise regularly](#).
- [Get plenty of sleep](#).
- Avoid [excessive alcohol](#), tobacco, and [substance use](#).
- Continue with routine preventive measures (such as vaccinations, cancer screenings, etc.) as recommended by your healthcare provider.
- Connect with others. Talk with people you trust about your concerns and how you are feeling.
- Connect with your community- or faith-based organizations. While physical distancing measures are in place, try connecting online, through social media, or by phone or mail.

Connect with others. Talk with people you trust about your concerns and how you are feeling.

Connect with your community- or faith-based organizations. While physical distancing measures are in place, try connecting online, through social media, or by phone or mail.

For the 11/24/21 COVID-19 Update,
In anticipation of low call participation
(related to Thanksgiving being the next
day), we will not hold the meeting call, but
we will share out the update via email.

**ACHD COVID-19 Updates
are held on the 2nd and
last Wednesday of every
month.**

Questions?

Questions, concerns, or more information needed?

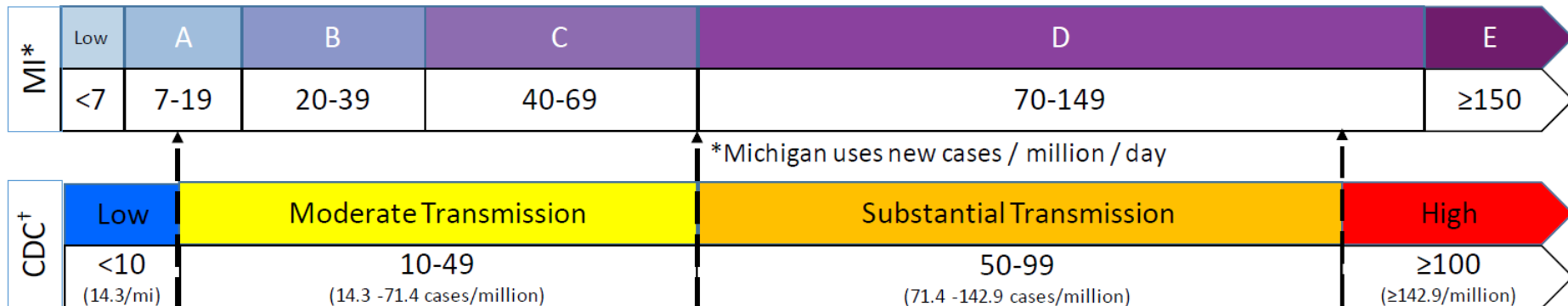
Please complete an [inquiry form](#)

Appendices

Appendix A

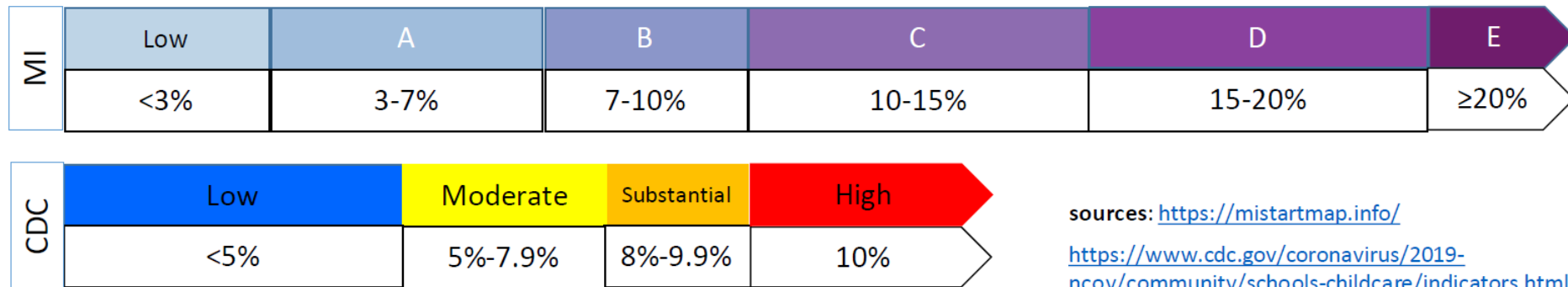
Comparing CDC community transmission thresholds to MI levels

Case Rate*†



† CDC uses cases / 100,000 / week (conversion to MI metrics in paratheses)

Percent Positivity



sources: <https://mistartmap.info/>

<https://www.cdc.gov/coronavirus/2019-ncov/community/schools-childcare/indicators.html>