



**HEALTH**  
Department

# COVID-19 Update

October 13, 2021



# Executive Summary: COVID-19 Mass Testing and Containment Plan

## MITIGATION ROADMAP



## INCIDENT ACTION PLAN OBJECTIVES

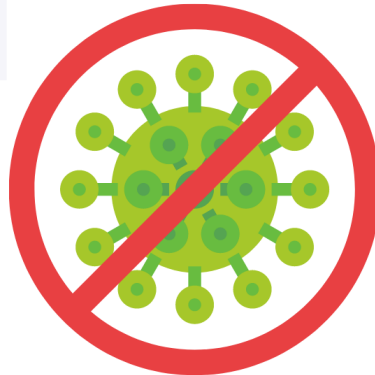
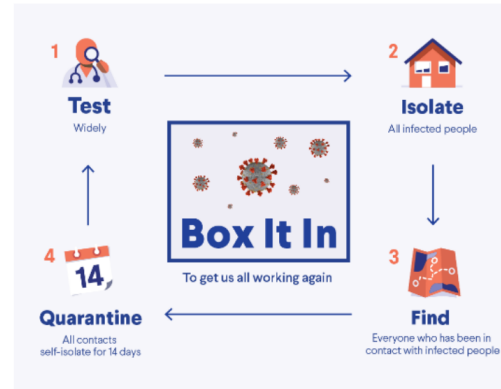
1. Identify cases, isolate the sick, quarantine the exposed, and protect vulnerable populations
2. Provide information to the public, media, and County staff to increase public awareness, address misinformation, and protect the public and increase community resiliency
3. Prepare, mitigate, and recover 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](http://www.michigan.gov/coronavirus)



# Cases

DAILY NEW CASES

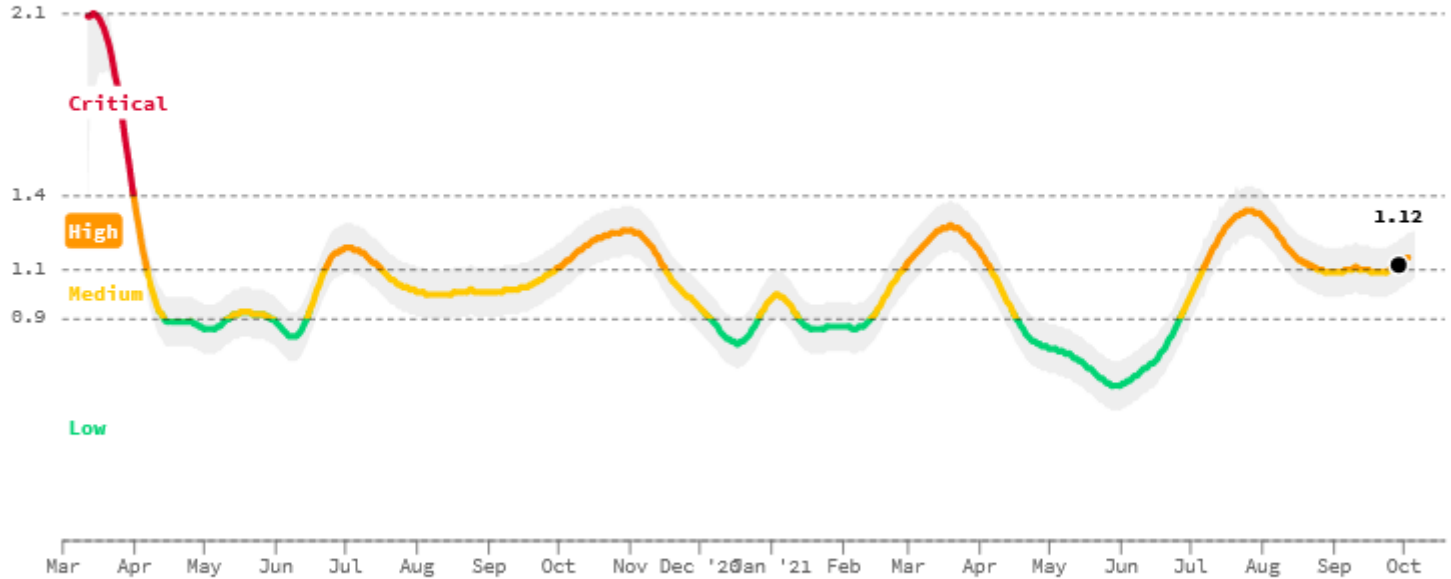
● **41.1** PER 100K

INFECTION RATE

● **1.12**

POSITIVE TEST RATE

● **9.1%**



On average, each person in Michigan with COVID is infecting 1.12 other people. As such, the total number of active cases in Michigan is growing. [About this data](#)

Share

Updated 10/7/2021, data from 9/29/21

# Cases

DAILY NEW CASES

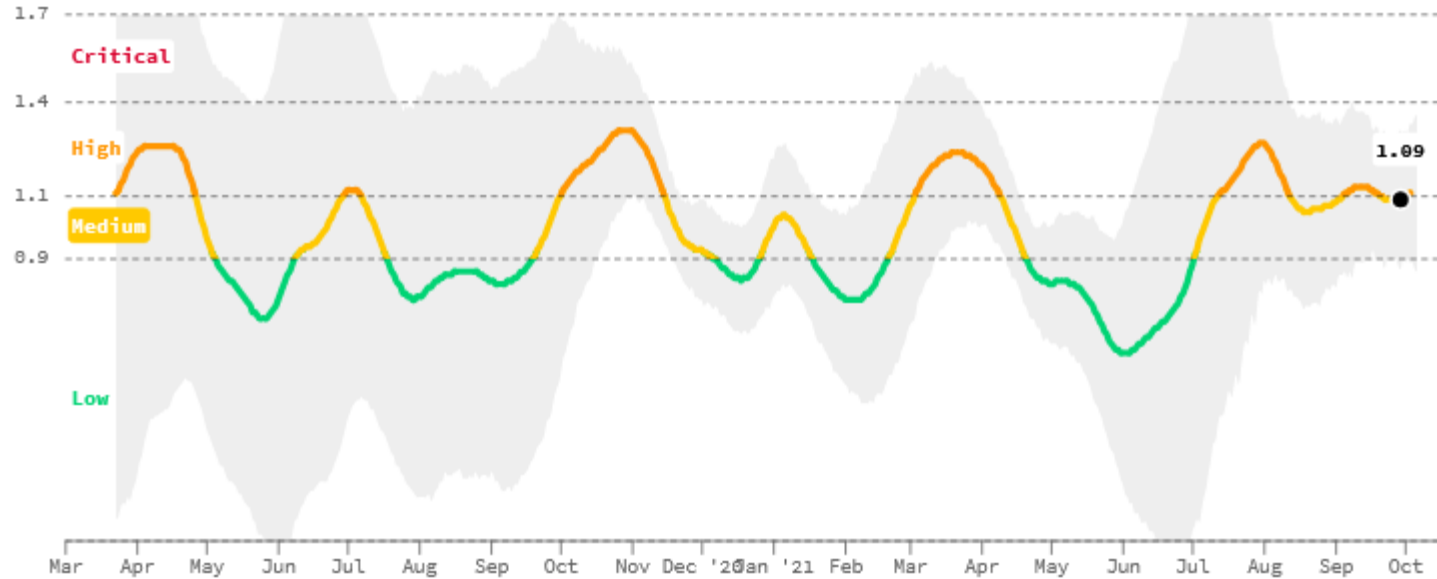
● **45.0** PER 100K

INFECTION RATE

● **1.09**

POSITIVE TEST RATE

● **12.8%**



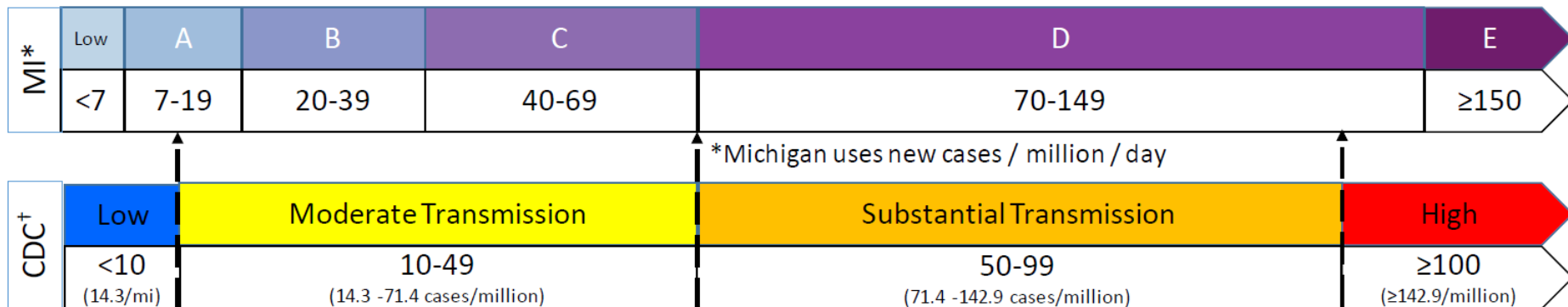
On average, each person in Allegan County, Michigan with COVID is infecting 1.09 other people. Because this number is around 1.0, it means that COVID continues to spread at about a constant rate. [About this data](#)

Share

Updated 10/7/2021, data from 9/29/21

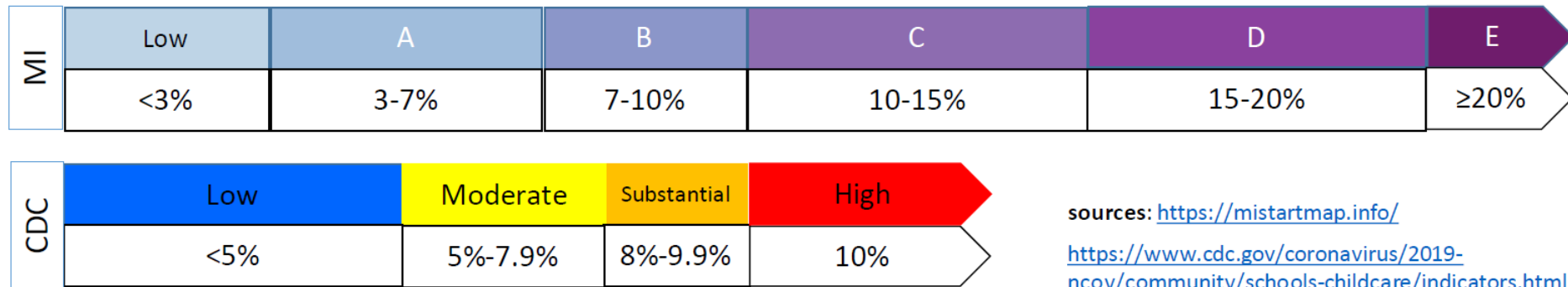
# Comparing CDC community transmission thresholds to MI levels

## 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>

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

Allegheny County, data as of 10/6/2021



## Test Positivity

Sep 30 - Oct 06

14%  
positive tests



3k

daily tests  
administered  
per million

↗ 3 weeks ⓘ

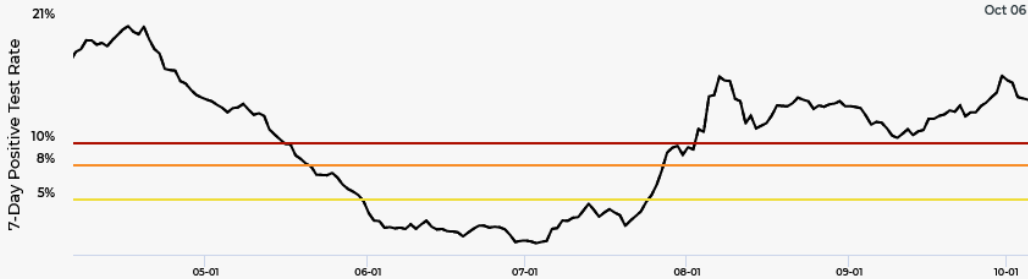
Sep 10 - Oct 01



### 7-Day Positive Test Rate

ALLEGANY COUNTY

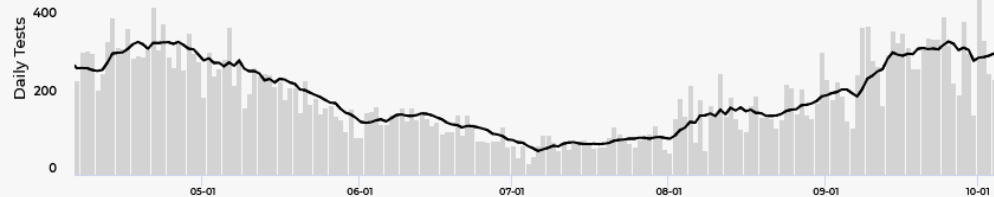
Zoom 1m 3m 6m All



### Daily Tests

ALLEGANY COUNTY

3m 6m All



### Risk Thresholds (% Positive)



Low: <5%



Moderate 5-<8%



Substantial 8-<10%



High >=10%

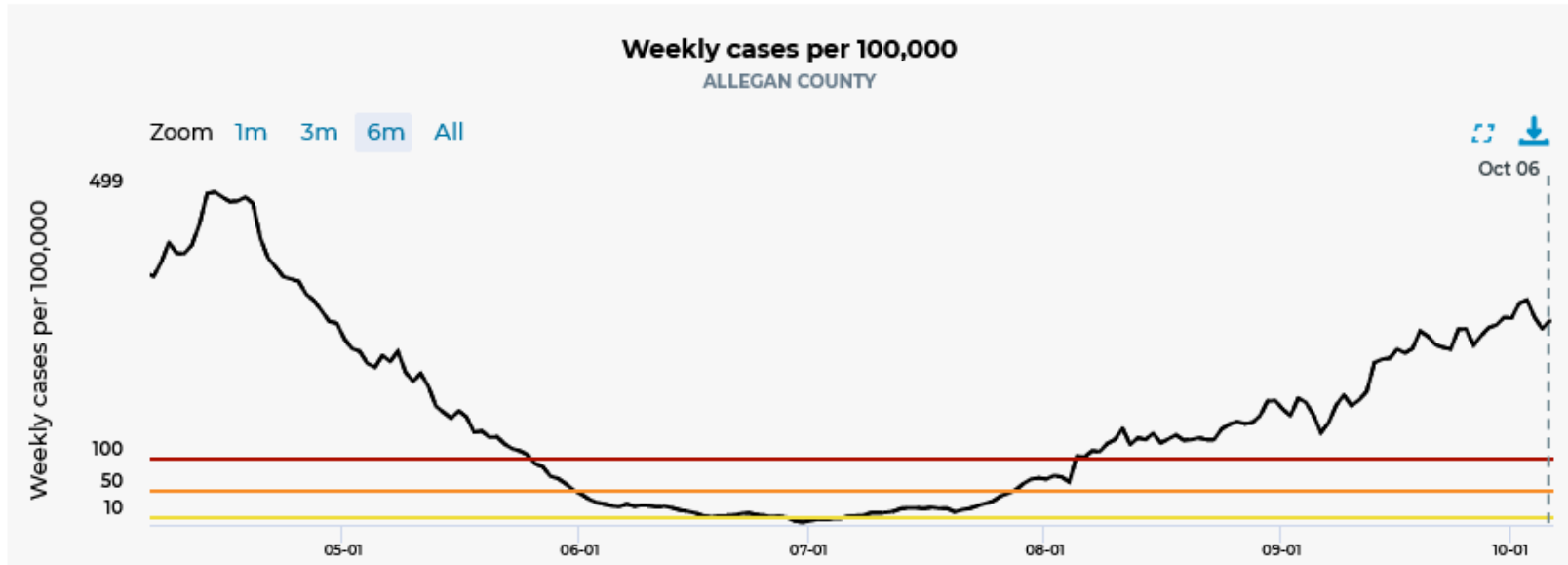
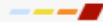
# New Cases,

<https://mistartmap.info/> Allegan County, data as of 10/6/2021

✓ **New Cases**  
Sep 30 - Oct 06

**306**  
weekly cases per  
100,000 population

**361**  
weekly cases



Low: <10



Moderate 10-49



Substantial 50-99



High  $\geq 100$



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

Allegan County, data as of 10/6/2021

Oct 6, 2021

AREA	REGION RISK LEVEL (OCT 06)	COUNTY RISK LEVEL (OCT 06)	DAILY CASES PER MIL. • (SEP 29)	CDC CASE TREND (SEP 29)	% POSITIVE TESTS • (OCT 06)	% POSITIVE WEEKLY TREND (OCT 06)	DAILY TESTS PER MIL. • (OCT 06)
<a href="#">Allegan</a>	E	E	402.0	7d ↘	14.0%	Risk Level C 3w ↗	2,708.0
<a href="#">Barry</a>	E	E	245.0	19d ↘	17.0%	2w ↘	2,169.0
<a href="#">Kalamazoo</a>	E	E	202.0	↗	9.0%	1w ↘	3,626.0
<a href="#">Kent</a>	E	E	303.0	↗	14.0%	2w ↗	3,677.0
<a href="#">Ottawa</a>	E	E	252.0	↗	13.0%	1w ↗	3,415.0
<a href="#">Van Buren</a>	E	E	285.0	↗	16.0%	1w ↗	2,999.0

# Epidemiologic Information, All Ages Allegan County

Overall	Percent
Healthcare Worker	5.8%
Live or work in high-risk/congregate facility	7.8%
First Responder	0.8%
Other Essential Worker/Critical Infrastructure	14.1%
Healthcare Contact to confirmed care	0.5%
Community Contact to confirmed case	9.8%
Household Contact to confirmed case	17.7%
<b>Total Cases: 13,739</b>	<b>Asymptomatic Cases: 11.9%</b>

Cases Reported in Past two weeks	Percent
In quarantine at time of onset/positive test	14.4%
Associated with known cluster/outbreak	1.1%
Any Contact to confirmed case	23.8%
Healthcare contact to confirmed case	0.1%
Community contact to confirmed case	6.3%
Household contact to confirmed case	18.1%
Attended Community Event/Mass Gathering	5.9%
Any Travel (international, domestic, in state)	4.5%
Source of Infection is unknown	31.1%
<b>Number of cases reported in past 2 weeks: 759</b>	

# Allegan County, Elementary Ages 5-10

Total Cases As of March 2020: **594**

- **48.7%** were household contacts to a confirmed case
- **19.8%** were asymptomatic cases (no symptoms but tested positive for COVID-19)

## Exposure Information Past 2 weeks:

### CASES REPORTED IN PAST TWO WEEKS

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

10/08/21

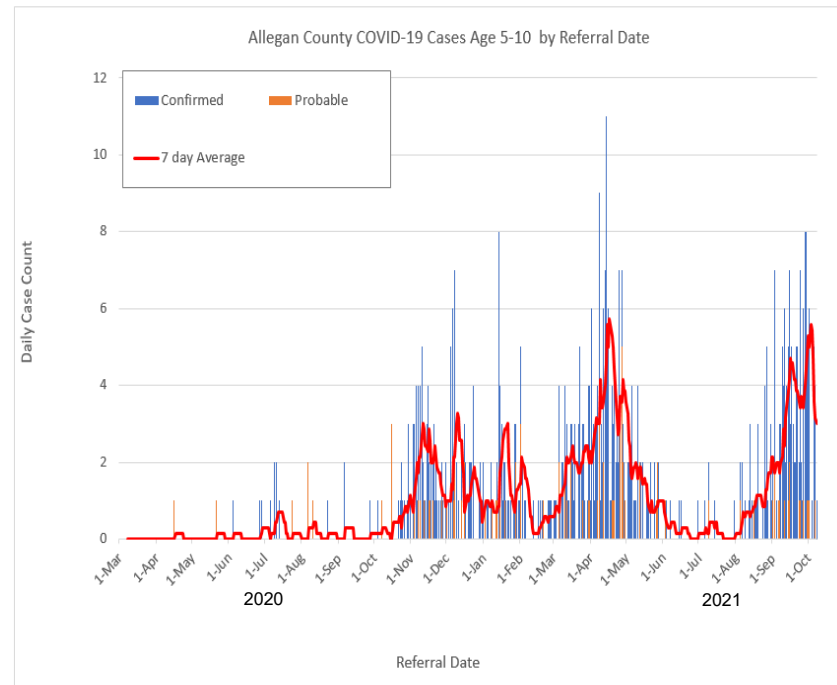
mm/dd/yy

Number of Cases reported in past two weeks

59

	Count	% **
In quarantine at time of onset/positive test	15	25.4%
Associated with known cluster/outbreak	0	0.0%
Any contact (HC, Comm, HH) to confirmed case	28	47.5%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	3	5.1%
Household Contact to confirmed case	25	42.4%
Attended Community Event/Mass Gathering	3	5.1%
Any Travel (international, domestic, in state)	4	6.8%
Source of infection is unknown	22	37.3%

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



Data as of 10/8/2021

Source: Michigan Disease Surveillance System

# Allegheny County, Middle School Ages 11-13

Total Cases As of March 2020: **421**

- **43.7%** were household contacts to a confirmed case
- **15.1%** were asymptomatic cases (no symptoms, tested positive for COVID-19)

Exposure Information Past 2 weeks:

## CASES REPORTED IN PAST TWO WEEKS

*For this section to auto-calculate,*

*enter the date you exported the data here ---->*

10/08/21

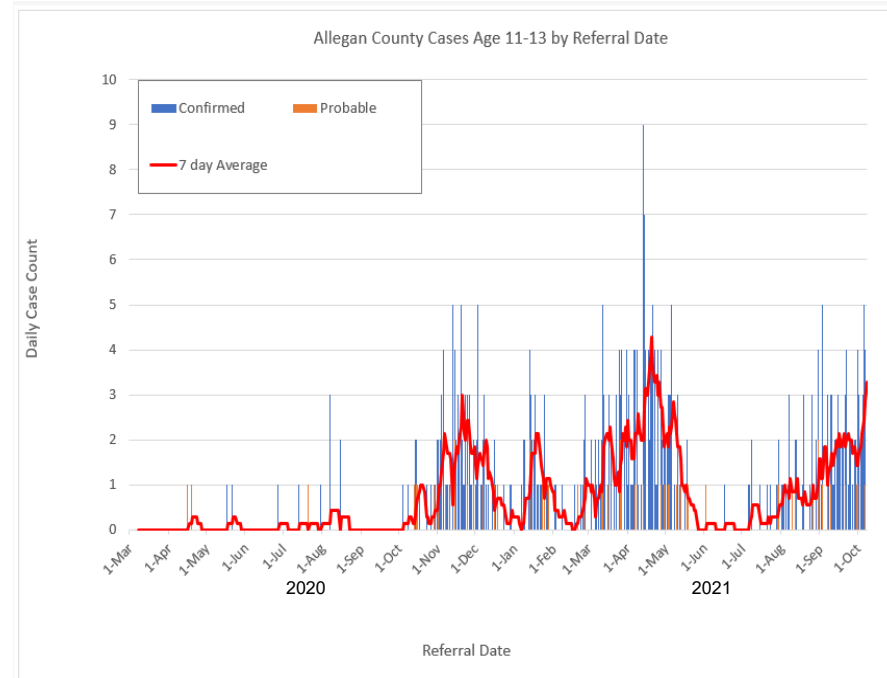
*mm/dd/yy*

**Number of Cases reported in past two weeks**

33

	Count	% **
In quarantine at time of onset/positive test	13	39.4%
Associated with known cluster/outbreak	0	0.0%
Any contact (HC, Comm, HH) to confirmed case	20	60.6%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	4	12.1%
Household Contact to confirmed case	16	48.5%
Attended Community Event/Mass Gathering	1	3.0%
Any Travel (international, domestic, in state)	0	0.0%
Source of infection is unknown	10	30.3%

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



Data as of 10/8/2021

Source: Michigan Disease Surveillance System

# Allegheny County, High School Ages 14-17

Total Cases As of March 2020: **902**

- **23.7%** were a household contact to a confirmed case
- **13.4%** were asymptomatic cases (no symptoms, tested positive for COVID-19)

## Exposure Information Past 2 weeks:

### CASES REPORTED IN PAST TWO WEEKS

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

10/08/21

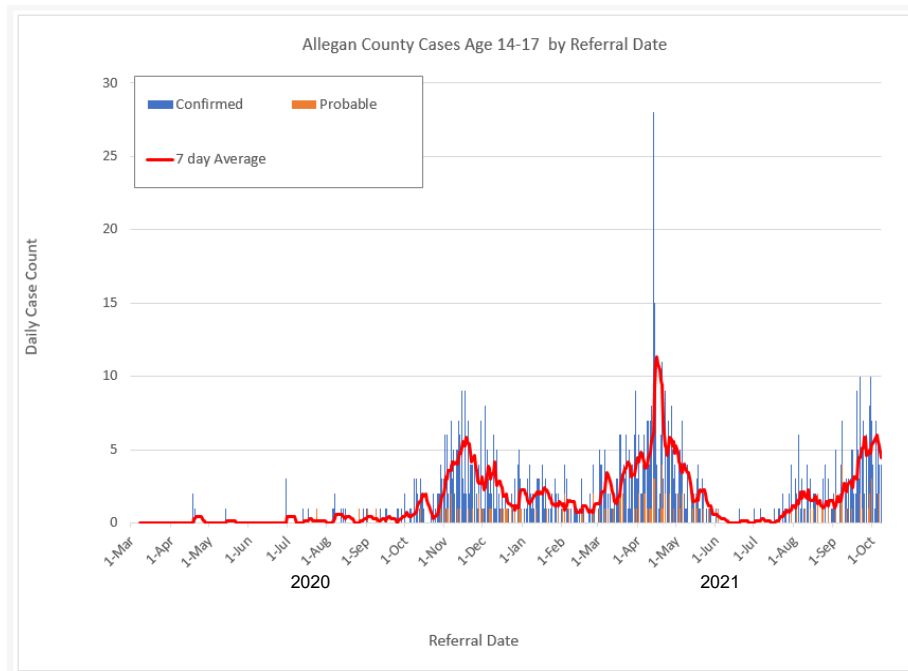
mm/dd/yy

#### Number of Cases reported in past two weeks

73

	<u>Count</u>	<u>% **</u>
In quarantine at time of onset/positive test	13	17.8%
Associated with known cluster/outbreak	0	0.0%
Any contact (HC, Comm, HH) to confirmed case	18	24.7%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	5	6.8%
Household Contact to confirmed case	14	19.2%
Attended Community Event/Mass Gathering	9	12.3%
Any Travel (international, domestic, in state)	0	0.0%
Source of infection is unknown	41	56.2%

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



Data as of 10/8/2021

Source: Michigan Disease Surveillance System

## Allegan County Breakdown of Total COVID-19 Cases by School Age (3-17), from March 1, 2020 to October 8, 2021

Breakdown of Cases by School Age Categories				
Total Case Count		2032		
Number of Cases <18 years		2032		
% cases <18 years		100.0%		
<u>Approximate Grade Level</u>	<u>Age</u>	<u>Case Count*</u>	<u>% total cases</u>	<u>% cases &lt;18 years</u>
	0-2 years	0	0.0%	0.0%
Pre-K age	3-4 years	115	5.7%	5.7%
K-5th grade age	5-10 years	594	29.2%	29.2%
6-8th grade age	11-13 years	421	20.7%	20.7%
9-12th grade age	14-17 years	902	44.4%	44.4%
*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) from September 25 to October 8, 2021

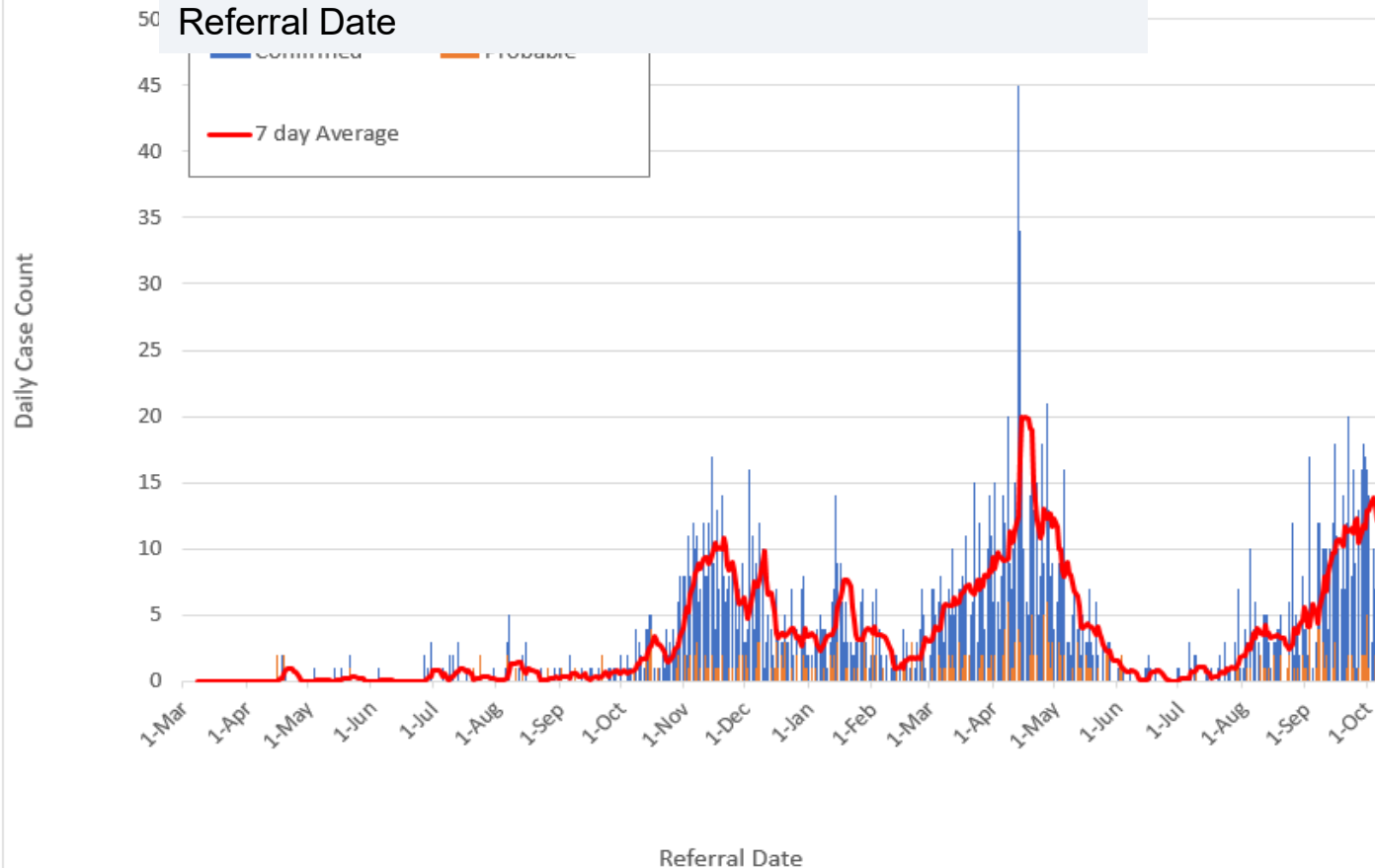
42.5% were HH  
Close contacts to  
a confirmed case

48.5% were HH  
close contacts to  
a confirmed case

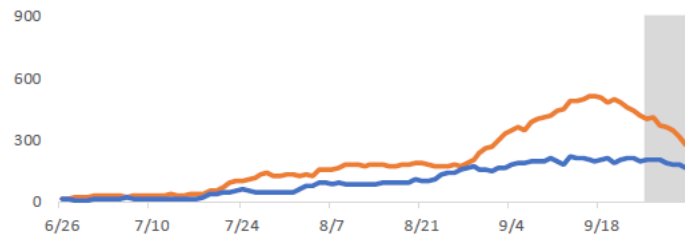
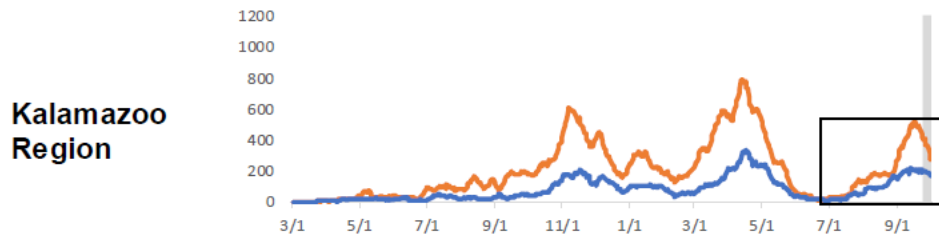
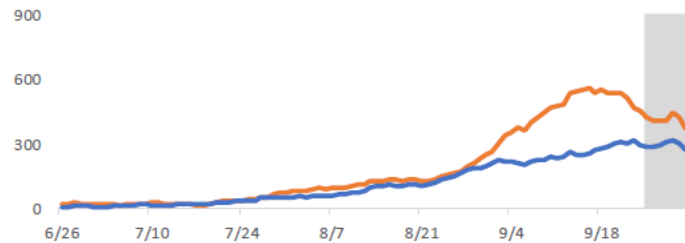
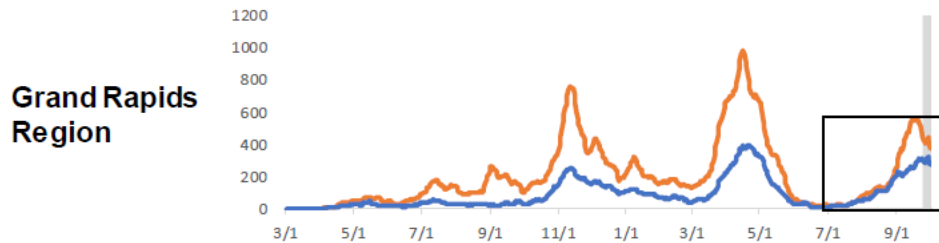
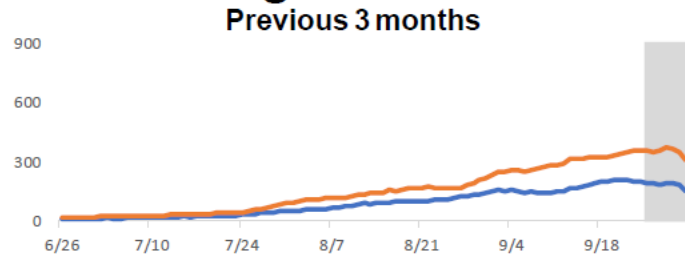
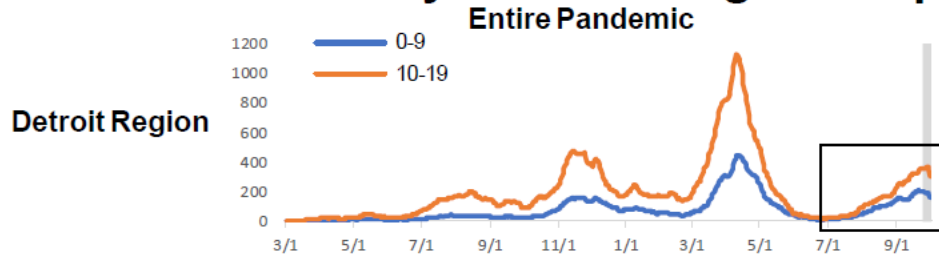
19.2% were HH  
close contacts to  
a confirmed case

Breakdown of Cases by School Age Categories				
Total Case Count		158		
Number of Cases <18 years		158		
% cases <18 years		100.0%		
<u>Approximate Grade Level</u>	<u>Age</u>	<u>Case Count*</u>	<u>% total cases</u>	<u>% cases &lt;18 years</u>
	0-2 years	0	0.0%	0.0%
Pre-K age	3-4 years	9	5.7%	5.7%
K-5th grade age	5-10 years	52	32.9%	32.9%
6-8th grade age	11-13 years	31	19.6%	19.6%
9-12th grade age	14-17 years	66	41.8%	41.8%
*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 School Age (3-17) COVID Cases by Referral Date



# Case Rate Trends by Pediatric Age Group and MERC Region

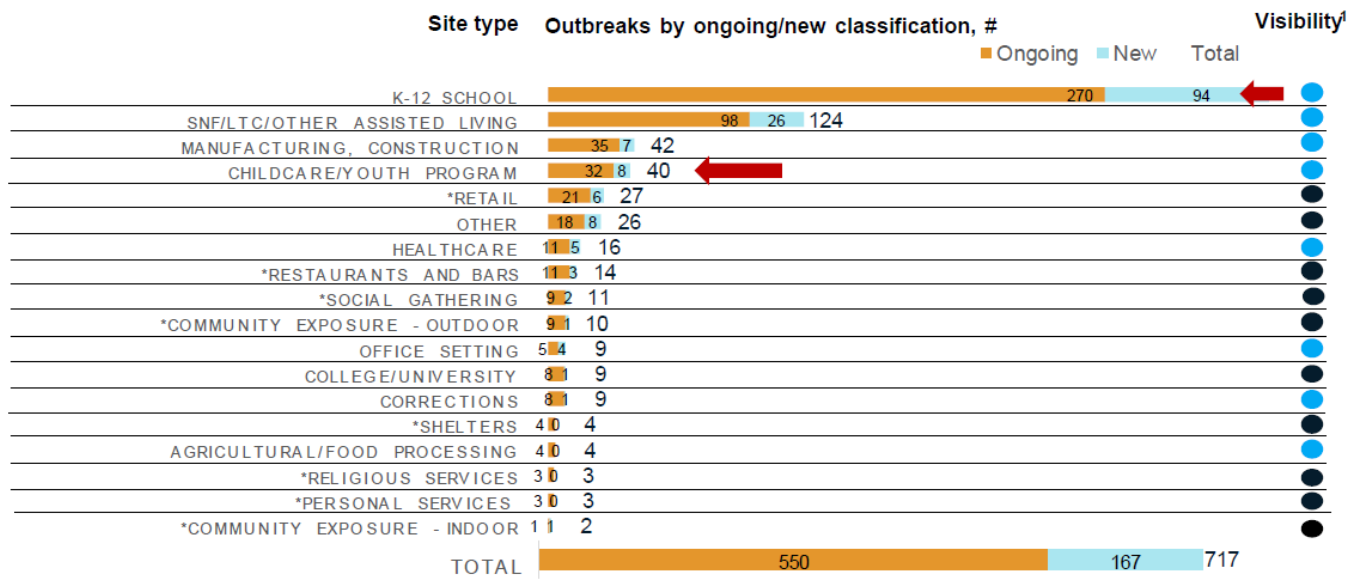


Note: Case information sourced from MDHHS and reflects date of onset of symptoms  
 Source: MDHHS – Michigan Disease Surveillance System



# Number of Weekly Reported Outbreaks

Number of outbreak investigations by site type, week ending Sep 30



● Easier to identify outbreak  
● Harder to identify outbreak

Total number of active outbreaks is **up 13%** from previous week, with 167 new outbreaks identified

K-12 schools reported the greatest number of new outbreaks and clusters (94) this week, and there were an additional 8 new outbreaks in childcare and youth programs for a total of 102 outbreaks in settings primarily with 0-19-year-olds. (61% of all known new outbreaks)

The next greatest number of new outbreaks was among SNF/LTC (26), followed by other (8), manufacturing/construction (7), retail (6), and eight 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

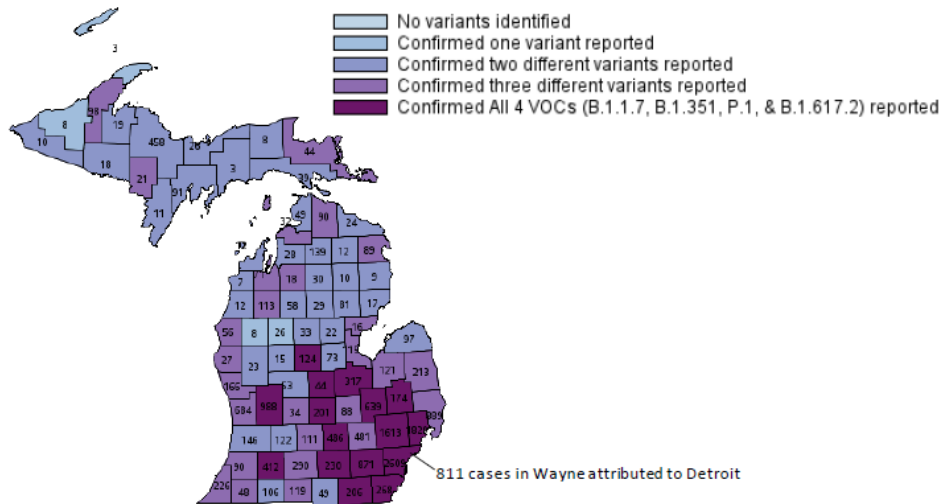
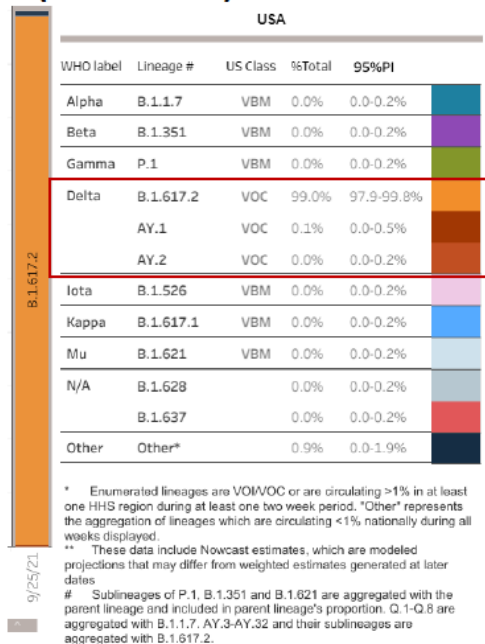
As of 10/7/21, ACHD has identified **9 ongoing** outbreaks and **0 new** outbreaks.

- 2 in Manufacturing/Construction
- 1 Childcare/Youth programs
- 4 School K-12 setting
- 2 LTCF

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

Variants Circulating in United States, Sep 19 – Sep 25 (NOWCAST)

Variants of Concern in Michigan, Oct 4



Variant	MI Reported Cases <sup>¶</sup>	# of Counties	% Specimens in last 4 wks
B.1.1.7 (alpha) now VBM	13,667*	81	0%
B.1.351 (beta) now VBM	88	24	0%
P.1 (gamma) now VBM	336	35	<1%
<b>B.1.617.2 (delta)</b>	<b>3,949 (↑457)</b>	<b>81 (↔)</b>	<b>&gt;99%</b>

\* 534 cases within MDOC; ¶ 41 cases with county not yet determined; now only Delta remains a VOC

Allegan County has **146** reported cases of variants, with four different confirmed variants (as of 10/4/21).

Note: not every positive case is serosequenced for a variant

# Sufficient Health Care Capacity

Region 5: Allegan/Kalamazoo Hospital Systems

Region 6: Grand Rapids/Ottawa Hospital Systems

## Statewide Hospital Capacity Report COVID-19 10/11/2021\*\*

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	1430	1039	1390	1013	221	141	183	136
Region 6	3219	2807	2923	2392	2544	2063	381	326	228	190

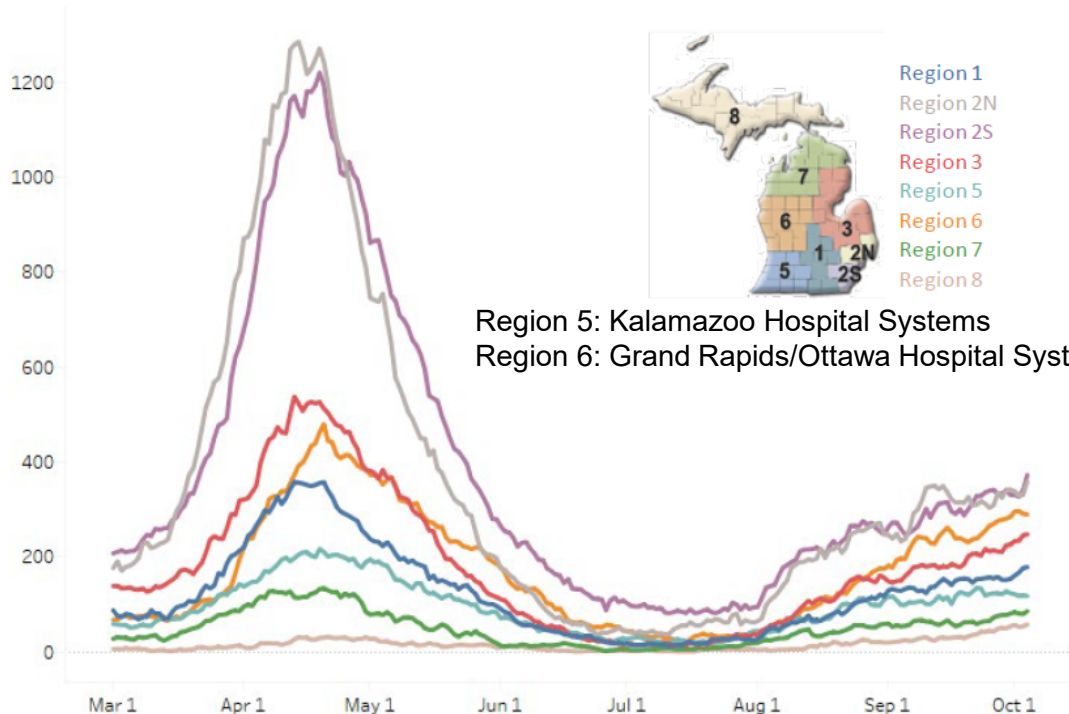
**COVID-19 Metrics**  
10/11/21, by HCC Region

HCC Region	Region 5	Region 6
Total Hospitalized Adult Suspected/Confirmed	171	356
Adult Confirmed-Positive COVID	162	347
Hospitalized Beds Confirmed/Suspected	1	6
Hospitalized Bed Confirmed-Positive	1	6
Hospitalized and Ventilated COVID	22	72
Adult ICU Confirmed/Suspected COVID	33	93
ICU Adult Confirmed-Positive COVID	32	90
Prev Day COVID Related ED Visits	125	199

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

# Statewide Hospitalization Trends: Regional COVID+ Census

Hospitalization Trends 3/1/2021 – 10/4/2021  
Confirmed Positive by Region

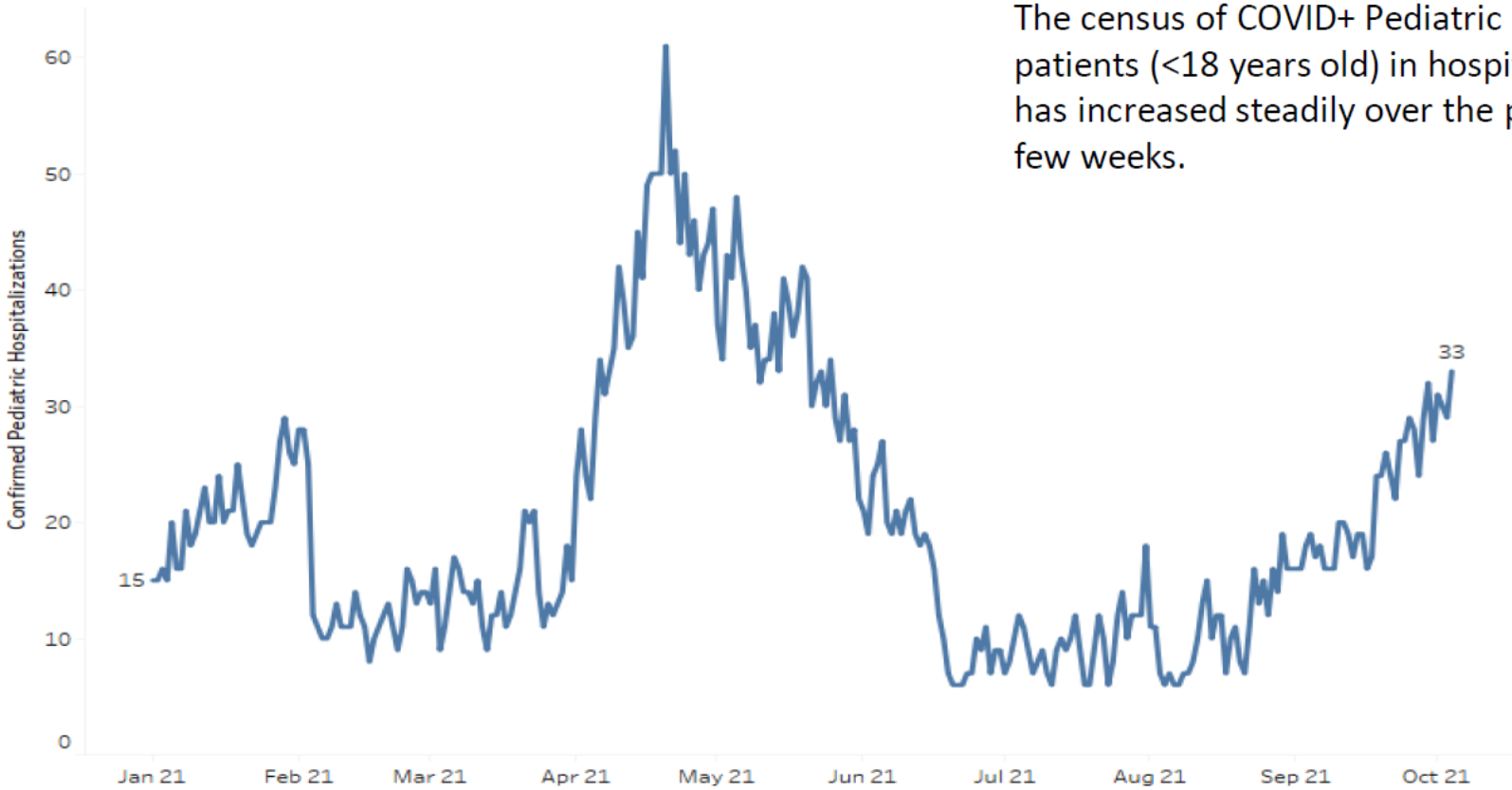


The hospital census of COVID+ patients has increased in each region, except Region 5.

All regions, except Region 5, now have above 150/M population hospitalized. Regions 3 has greater than 200 hospitalized/M population.

Region	COVID+ Hospitalizations (% Δ from last week)	COVID+ Hospitalizations / MM
Region 1	178 (13%)	165/M
Region 2N	358 (8%)	162/M
Region 2S	372 (12%)	167/M
Region 3	247 (17%)	218/M
Region 5	117 (-5%)	123/M
Region 6	289 (5%)	197/M
Region 7	85 (13%)	170/M
Region 8	57 (19%)	183/M

# Statewide Hospitalization Trends: Pediatric COVID+ Census



The census of COVID+ Pediatric patients (<18 years old) in hospitals has increased steadily over the past few weeks.

Allegan County Health Department is aware of **2** Allegan County residents who are currently hospitalized as pediatric COVID cases in the last two weeks

# Allegan County

## BREAKTHROUGH CASE DATA

Updated 10/12/21  
Data as of 10/6/21

COVID-19  
Vaccine

- As of 10/5, there are **0.92%** (505/54,770) reported vaccine breakthrough cases in Allegan County for all ages.
- As of 10/5, there are **0.39%** (18/4,521) reported vaccine breakthrough cases in the 12-19 age group, **14 cases** are under age of 18.



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Since Jan 1, 2021 to Oct 6, 2021, there have been **166 hospitalizations** and **79 deaths** due to COVID-19

- ➔ **23 of the 166 hospitalizations (13.9%)** were fully-vaccinated individuals. All breakthrough case related hospitalizations were over the age of 40.
- ➔ **6 of the 79 deaths (7.6%)** were fully-vaccinated individuals. All breakthrough case related deaths were over the age of 65.



# Allegan County VACCINE DATA

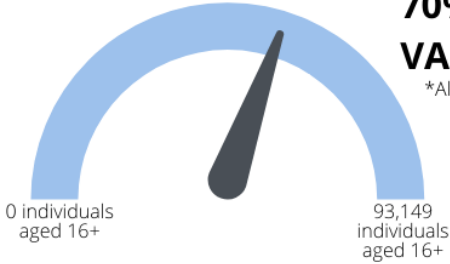
Updated 10/13/21  
Data as of 10/12/21



**61.1%**

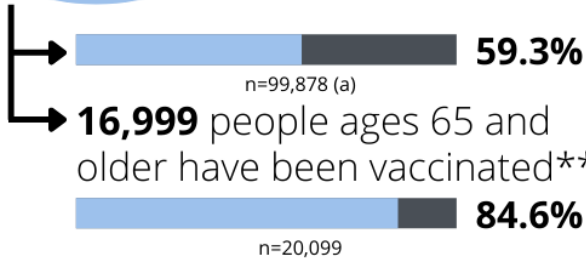
**70% OF ELIGIBLE INDIVIDUALS\*  
VACCINATED BY END OF 2021**

\*Allegan County residents age 16+



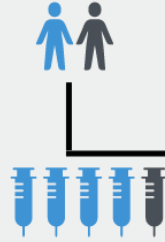
As of October 12, vaccinated\*\*

**59,235** people have been vaccinated\*\*



**16,999** people ages 65 and older have been vaccinated\*\*

\*\*Individuals given at least 1 dose of vaccine. On 5/18, we began including the population 12 years and older.  
a): 2019 American Community Survey (ACS) population estimates for 12+ in Allegan County



**Over 1 in 2** individuals are fully vaccinated (55.6%).

**Over 4 in 5** individuals aged 65 and older are fully vaccinated (80.5%).

**Fully Vaccinated:** Individuals (12 years and older) receiving 2 doses of Pfizer or Moderna or 1 dose of J&J.

Total Doses Distributed\*

**93,210**

\*includes 1st and 2nd doses. Based on allocation process established by MDHHS to each county.

**PLANNED CLINICS**



6 Clinics

October 13, 2021 to October 26, 2021



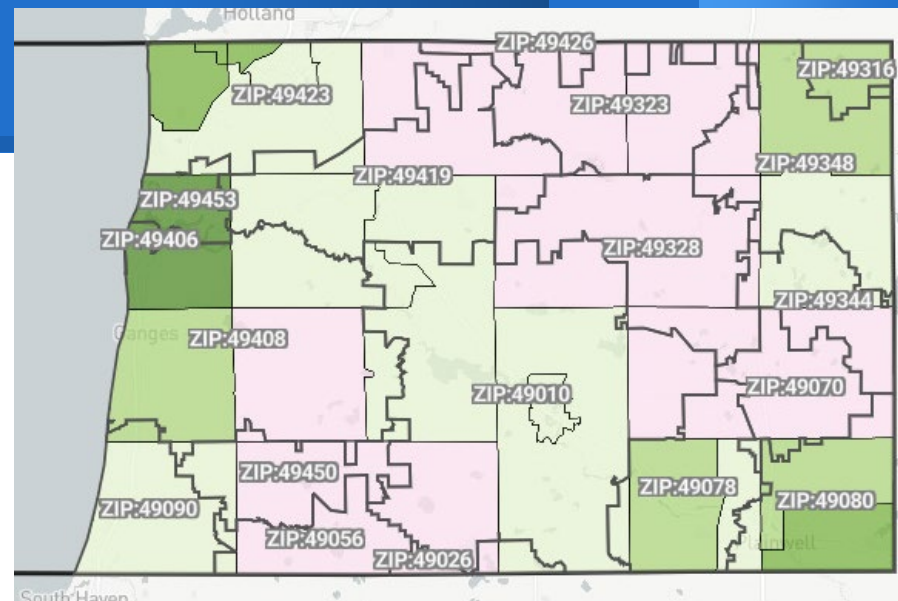
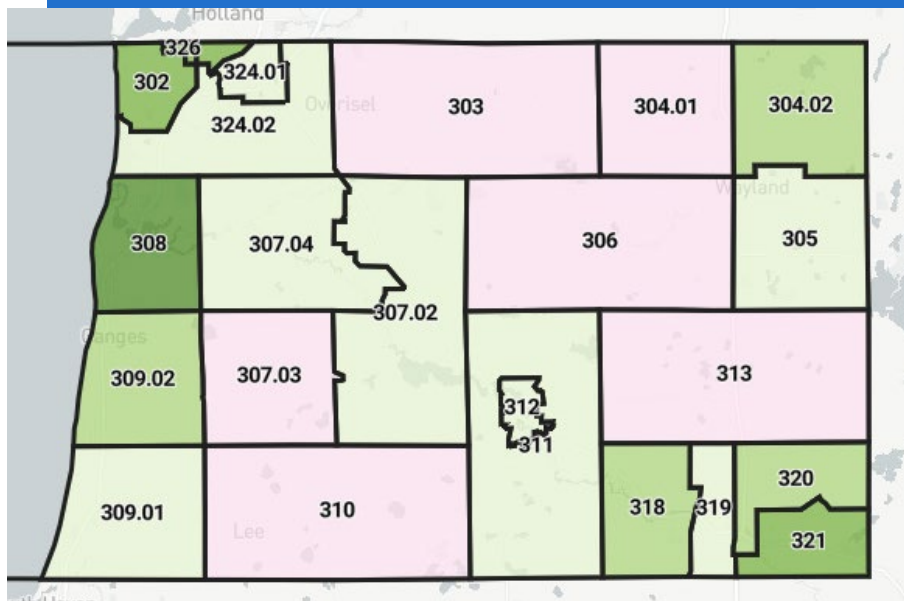
200 Doses

**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



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

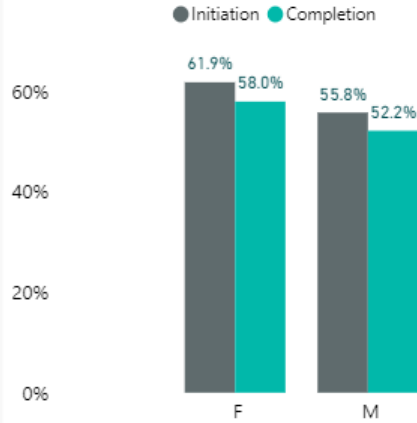
0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% >90% <150 Population



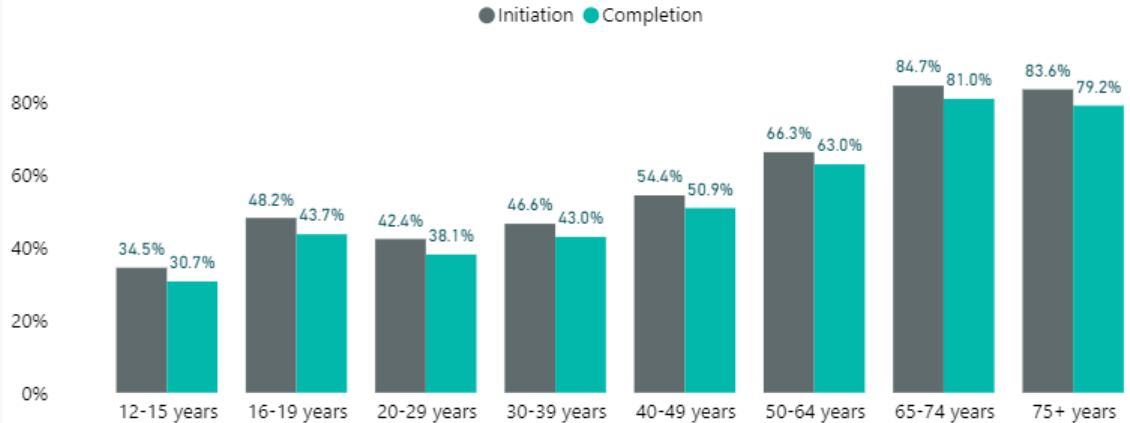


# Allegan Vaccination Rates by Age, As of October 8, 2021

## COVID Vaccine Coverage by Sex



## COVID Vaccine Coverage by Age Group



### Age 12-15:

Initiated: 2,319: **34.5%**  
Completed: 2,064: **30.7%**

### Age 16-19:

Initiated: 2,783 **48.2%**  
Completed: 2,524 **43.7%**

### 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.

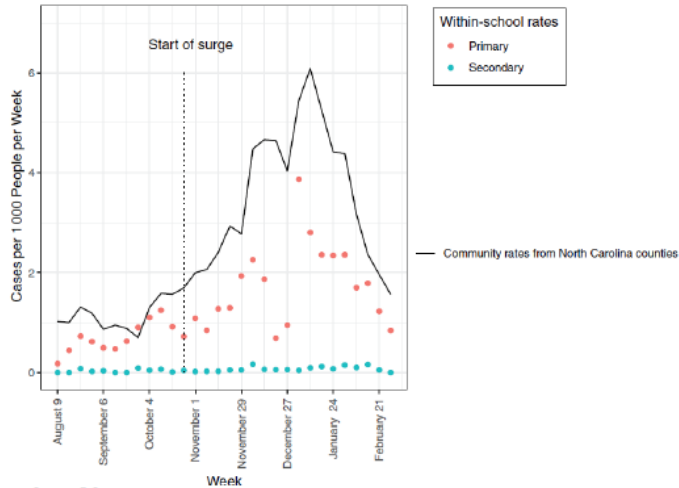
Source: [MI COVID-19 Vaccine Dashboard](#)

# Bi Weekly School Reports

- ▶ This report will be published under the “Schools” resource section on [www.allegancounty.org/covid](http://www.allegancounty.org/covid).
- ▶ This report was created for school leaders, Board of Education members, parents and communities.
- ▶ If you have suggestions for improvement, please complete an [inquiry form](#).

# Community SARS-CoV-2 Surge and Within-School Transmission

Kanecia O. Zimmerman, MD, MPH,<sup>a,b,d</sup> M. Alan Brookhart, PhD,<sup>c</sup> Ibukunoluwa C. Kalu, MD,<sup>d</sup> Angelique E. Boutzoukas, MD,<sup>d</sup>



- Study of over 100,000 students from 13 North Carolina school districts to demonstrate the impact of social distancing tools on disease transmission to support safe school opening.

**FIGURE 1**

Community rates of infection versus community-acquired (primary) and school-acquired (secondary) infections in school buildings.

## Findings:

- School-acquired infections remained stable and uncommon, with a <1% secondary attack rate.
- With strict adherence to masking and some distancing, school-acquired SARS-CoV-2 infection is uncommon, even in the setting of high community infection rates. Consistent with previous data, schools can and should reopen safely.

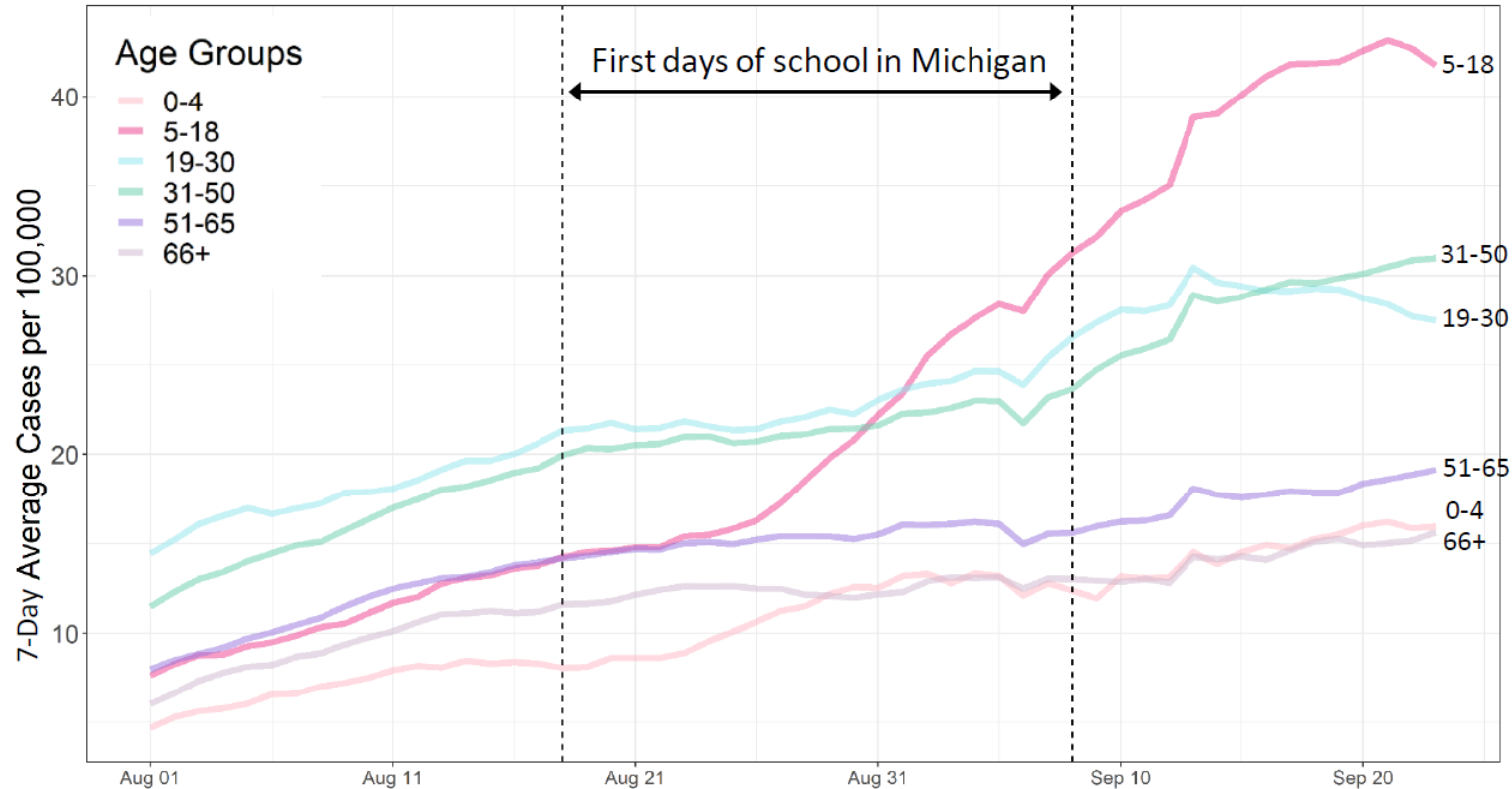
Source 1. [Van Naarden Braun K, Rozenfeld RA, et al. Multicomponent Strategies to Prevent SARS-CoV-2 Transmission — Nine Overnight Youth Summer Camps, United States, June–August 2021. MMWR Morb Mortal Wkly Rep. ePub: 1 Oct 2021.](#)

Source 2. [Tonzei JL, Sokol T. COVID-19 Outbreaks at Youth Summer Camps— Louisiana, June–July 2021. MMWR Morb Mortal Wkly Rep. ePub: 1 Oct 2021](#)

Source 3. [Zimmerman, KO et al. Community SARS-CoV-2 Surge and Within-School Transmission. Pediatrics October 2021, 148 \(4\).](#)

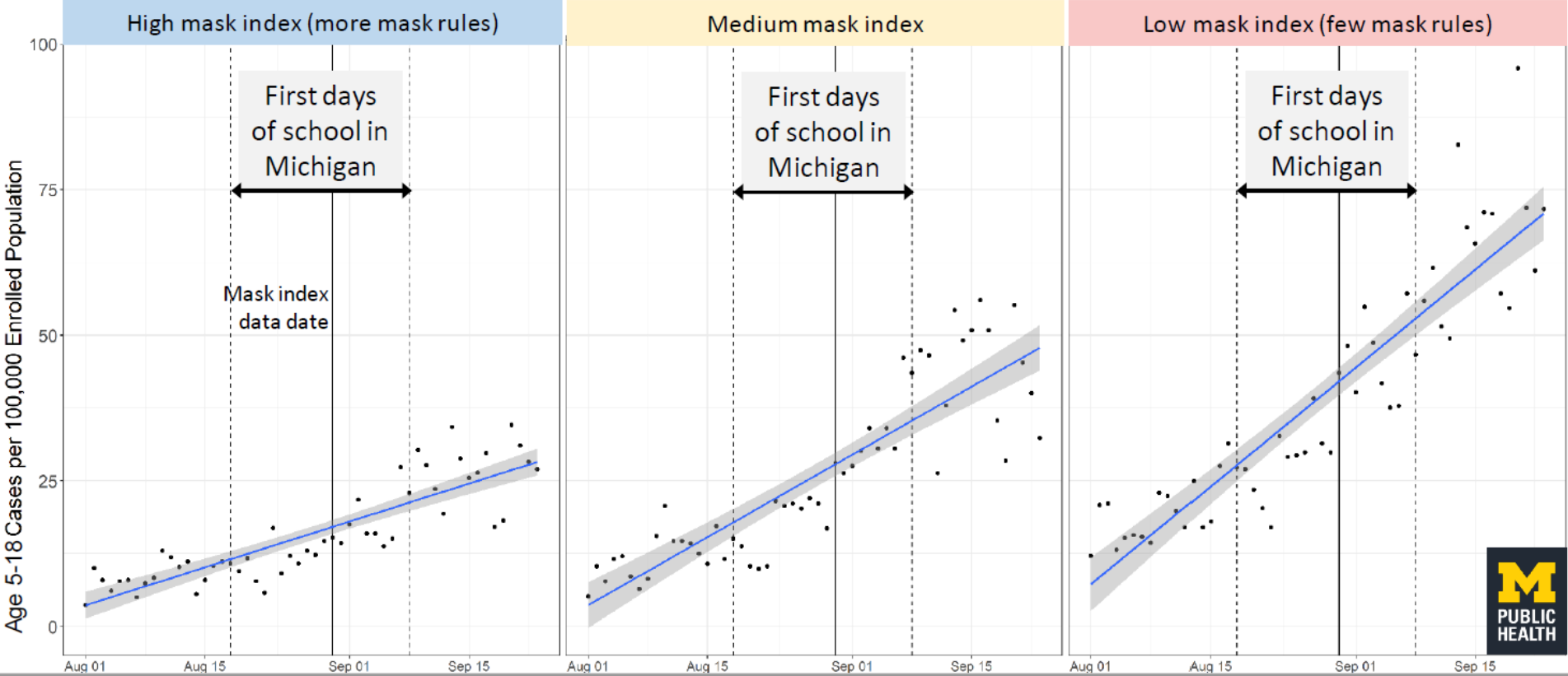
# A closer look: increases have been largest in the K-12 school aged population (5-18 year olds)

- School aged children (5-18 y) saw a rapid rise beginning over the school reopening period that has continued following back-to-school
- The largest increases during and following back-to-school have been among 5-18 year olds
- Young and middle-aged adults (19-50 y) make up the next highest case rates



# Districts with fewer mask rules during back-to-school saw higher case rates and faster case rises

High mask index = mask required for all grades; Medium = partial mask req. (tiered, some grades, based on vax status, staff only); Low = None or unknown. See Appendix for details. Blue line & shaded region is a linear trend fit. Data Sources: MDSS/MDHHS case data as of 10/1/2021 geocoded to school district, EOG School District Mask Policy Tracker as of 8/30/2021. Note: Cases are among all 5-18 year olds, population is the school-enrolled 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

# #DoYourPart



HEALTH  
Department

# 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 <sup>1</sup> 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 displays the number of counties in each level and the change from the prior week.

# TOOLS THAT HELP PREVENT COVID-19 IN SCHOOLS/BUSINESSES



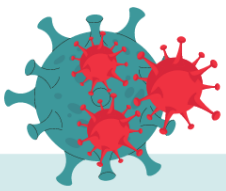
**What we are trying to do is to get the virus transmission level so low in the community that it can't continue to spread.**

- 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

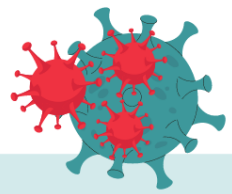
# ACHD rescinded K-6 Mask Requirement in Educational settings on 9/30/21

- ▶ Language in the fiscal year 2022 state budget (Senate Bill 82) signed by Governor Whitmer on September 29, 2021, jeopardizes future health department funding if a mask order remains in effect as of October 1, 2021.
- ▶ We could not jeopardize a loss of over \$1 million in our total budget.
- ▶ While we see the effectiveness of masks in school settings and know a mask mandate is the best thing for our vulnerable population who does not have a vaccine available to them, we also cannot risk funding that allows us to provide so many essential public health services and **ACHD had to follow our legal counsel opinion.**
- ▶ AG has not formally issued an opinion nor has a court deemed it unconstitutional
- ▶ It is still possible for a mask requirement to exist for school-aged children, however, the decision is currently left to local school districts.





## Natural Immunity vs. Vaccine-Induced Immunity



**Natural immunity** is acquired from exposure to the disease organism through infection with the actual disease.

**Vaccine-Induced immunity** is acquired through the introduction of a killed or weakened form of the disease organism through vaccination.

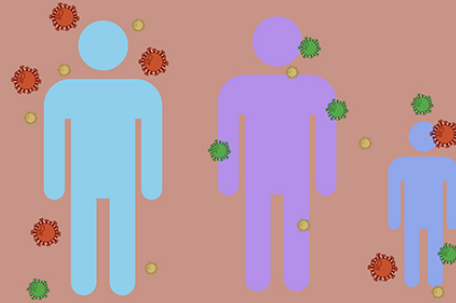
### Which provides more protection against COVID-19?

A study of COVID-19 infections in Kentucky among people who were previously infected with COVID-19 shows that unvaccinated individuals are more than twice as likely to be reinfected with COVID-19 than those who were fully vaccinated after initially contracting the virus. This data indicates that **COVID-19 vaccines offer better protection than natural immunity alone** and that vaccines, even after prior infection, help prevent reinfections.

- ▶ Recent [study](#) looked at protection levels across coronaviruses and SARS-CoV-2.
- ▶ The study found that under endemic situations (not a global pandemic), potential reinfection of SARS-CoV-2 would likely occur between 3 and 63 months after peak antibody response, **with a median of 16 months.**

## If I already had COVID...

People are infected with different levels of the COVID virus...

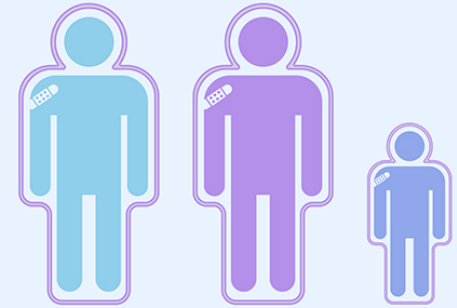


...and thus have different levels of antibodies.

VACCINATE  
WEST MICHIGAN

## Why get the VACCINE?

Vaccination provides a strong [boost](#) in immune response...



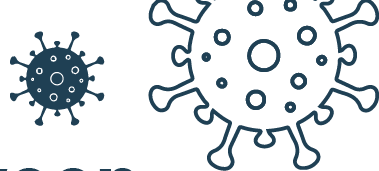
... which helps protect you and family from future infections.

*A vaccine is waiting for you  
Call 211 or  
visit [vaccinatewestmi.com](https://vaccinatewestmi.com)*

# Why should I wear a mask when I have antibodies for COVID or am fully vaccinated?

- ▶ Research is still being done to understand the level of protection natural immunity provides— what we do know is that the level of protection varies from person to person
- ▶ As antibody responses decrease over time or variants of a virus become stronger, it's not uncommon for boosters to be given to help the immune system receive an increase in antibodies. Studies are showing that after getting vaccinated against COVID-19, protection against the virus may decrease over time and be less able to protect against the Delta variant or other variants
- ▶ **Masking in indoor public spaces during high levels of community transmission helps reduce risk, despite past infections of COVID-19 or vaccination status.**

# What's the difference between a COVID-19 vaccine booster dose and an additional dose?



An **additional dose** is sometimes needed for people who are moderately to severely immunocompromised because they were likely unable to build enough protection after the initial primary vaccine series. **Also known as 3<sup>rd</sup> dose**

A **booster** is the next dose in a vaccination series to likely boost immunity that has waned over time.

The risk of severe illness from COVID-19 increases with age, and can also increase for adults of any age with underlying medical conditions. Please contact your primary care provider to see if you need an additional or booster dose.



**booster dose**



**additional dose**

**For**

People aged 65 years and older, residents aged 18 years and older in long-term care settings, and people aged 56–64 years with certain underlying medical conditions **should get a booster dose.**

Based on individual benefits and risks, people aged 18–49 years who are at high risk for severe COVID-19 due to certain underlying medical conditions and people aged 18–64 years who are at increased risk for COVID-19 exposure because of occupational\* or institutional setting **may get a booster dose.**

People who are moderately to severely immunocompromised **should get an additional dose.**

**Minimum time after 2<sup>nd</sup> dose**

**6 months**

**28 days**

**Initial vaccine**

**Pfizer**

**Pfizer or Moderna**

Plan to get the same type of vaccine for all doses.

\*Per CDC, occupations at increased risk for COVID-19 exposure and transmission include frontline essential workers and health care workers.

# 5-11 YEAR OLD COVID-19 VACCINE AUTHORIZATION

Timeline

**END OF  
OCTOBER/  
EARLY  
NOVEMBER**



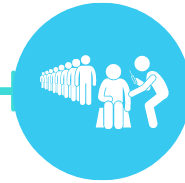
Pfizer sought  
Emergency Use  
Authorization from FDA  
for COVID-19 Vaccine in  
5-11 year olds.  
FDA to meet Oct. 26

**AFTER FDA  
EUA**



ACIP meets and  
provides  
recommendations to  
the CDC. This meeting  
is currently scheduled  
for 11/2 and 11/3

**AFTER  
ACIP MEET**



CDC announces  
recommendations

**ACHD STARTS  
VACCINATIONS**



Once recommendations  
have been established,  
ACHD will begin  
administering vaccines  
to the next eligible  
group at currently  
scheduled clinics

# Mitigation Strategies are important to keep in place

- ▶ ACHD will provide modified quarantine to asymptomatic individuals (related to business continuity of operations or individual financial hardships) for businesses who have strict mitigation strategies in place (mask wearing, social distancing, frequent handwashing, health screening/testing).
- ▶ Allegan County residents have the option to reduce quarantine after day 7 with proof of negative test on day 7 (rapid or PCR, and home test not accepted)

# 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](http://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.



## BOOSTER SHOT RECOMMENDATIONS



For Pfizer COVID-19 vaccine recipients, at least 6 months after completion of their Pfizer vaccine primary series.



Anyone ages 65 and older

Anyone ages 18 and older with a medical condition that increases their risk of severe COVID-19 illness such as obesity, diabetes, high blood pressure, kidney disease and others



Anyone ages 18 and older who lives or works in a high-risk setting for being exposed to COVID-19, such as residents of congregate living facilities, health care workers, first responders, educators, childcare staff, grocery store workers, and others

# Upcoming COVID-19 Vaccine Clinics\* for anyone 12 years and older



## OCTOBER VACCINE CLINICS



Make an appointment ahead of time by visiting [www.allegancounty.org/covid](http://www.allegancounty.org/covid)

**Friday, October 1 | 11:00am–3:00pm**

Love INC., 943 56th St., Pullman

**Friday, October 8 | 1:00pm–4:00pm**

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

**Sunday, October 10 | 3:00pm–6:00pm**

Hamilton High School, 4911 136th Ave., Hamilton

**Tuesday, October 12 | 3:00pm–6:00pm**

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

**Thursday, October 14 | 5:00pm–7:30pm**

Starr Elementary School,  
601 School Dr., Plainwell

**Monday, October 18 | 3:00pm–6:00pm**

Allegan High School, 1560 M-40, Allegan

**Tuesday, October 19 | 3:00pm–6:00pm**

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

**Thursday October 21 | 10:00am–2:00pm**

First Baptist Church, 1290 32nd St., Allegan

**Monday, October 25 | 3:00pm–6:00pm**

Allegan High School, 1560 M-40, Allegan

**Tuesday, October 26 | 3:00pm–6:00pm**

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

**Friday, October 29 | 1:00pm–4:00pm**

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

**\*Pfizer–BioNTech Booster Shots available to those who are eligible\***

(Minors ages 12 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)

People can make an appointment ahead of time by visiting [www.allegancounty.org/covid](http://www.allegancounty.org/covid)



HEALTH  
Department



**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

# 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



HEALTH  
Department

3255 I22nd Avenue, Suite 200  
Allegan, MI 49010

# FREE

## Preschool and Kindergarten Entrance Hearing and Vision Screenings

Please call (269) 673-5411 to  
make an appointment.



### Upcoming Clinics

9am – 12pm

By Appointment Only

Friday, September 3rd

Friday, October 1st

Friday, November 5th

"The ability to  
hear and see--  
the ability to  
learn--is the  
key to a child's  
success."



Michigan's Public Health Code requires screening during preschool (ages 3 to 5) and again prior to kindergarten entry. Once a child begins elementary school, free screenings continue on a regular basis and are conducted by your local health department.



michigan  
**HEARING & VISION**  
screening programs

# 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)	Pevnar 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.



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



Questions?