



**HEALTH**  
Department

# COVID-19 Update

## December 22, 2021



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

## MITIGATION ROADMAP



## INCIDENT ACTION PLAN OBJECTIVES

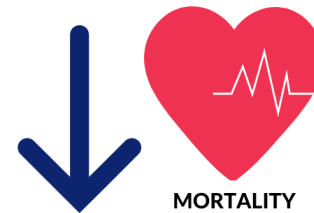
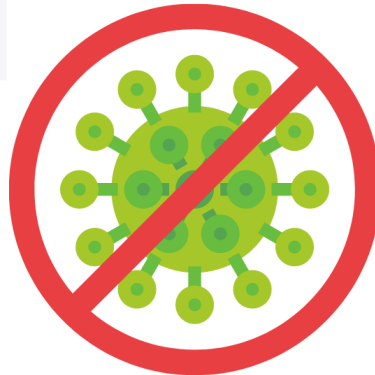
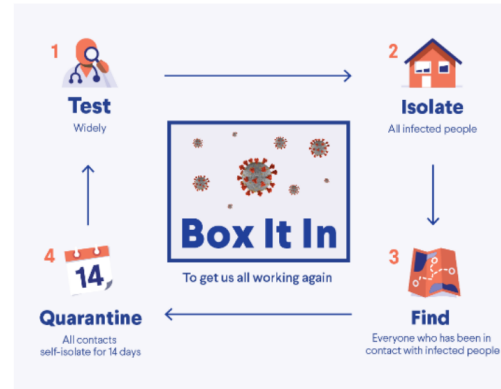
1. Identify cases, isolate the sick, quarantine the exposed, and protect vulnerable populations
2. Provide information to the public, media, and County staff to increase public awareness, address misinformation, and protect the public and increase community resiliency
3. Prepare, mitigate, and recover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

## STATE & LOCAL ORDERS

Michigan Public Health Code



## EPIDEMIOLOGICAL MODEL



# Allegan County COVID-19 Dashboard

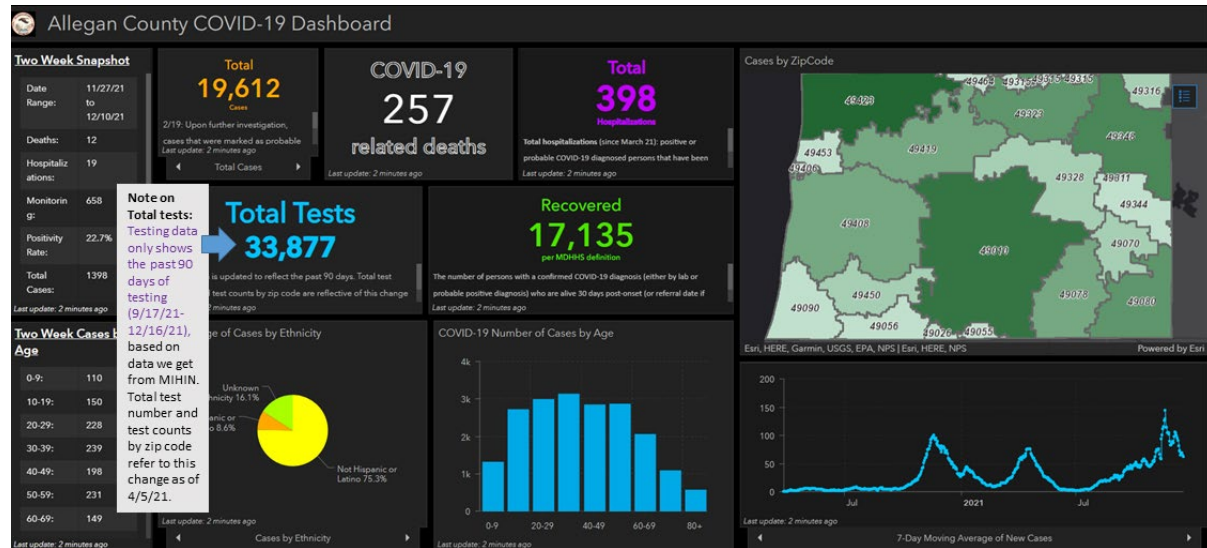
updated weekly on Fridays at 3pm.

## NEW LINK:

<https://www.arcgis.com/apps/dashboard/b2c637afa8ba417683cc06ebc89e0232>

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

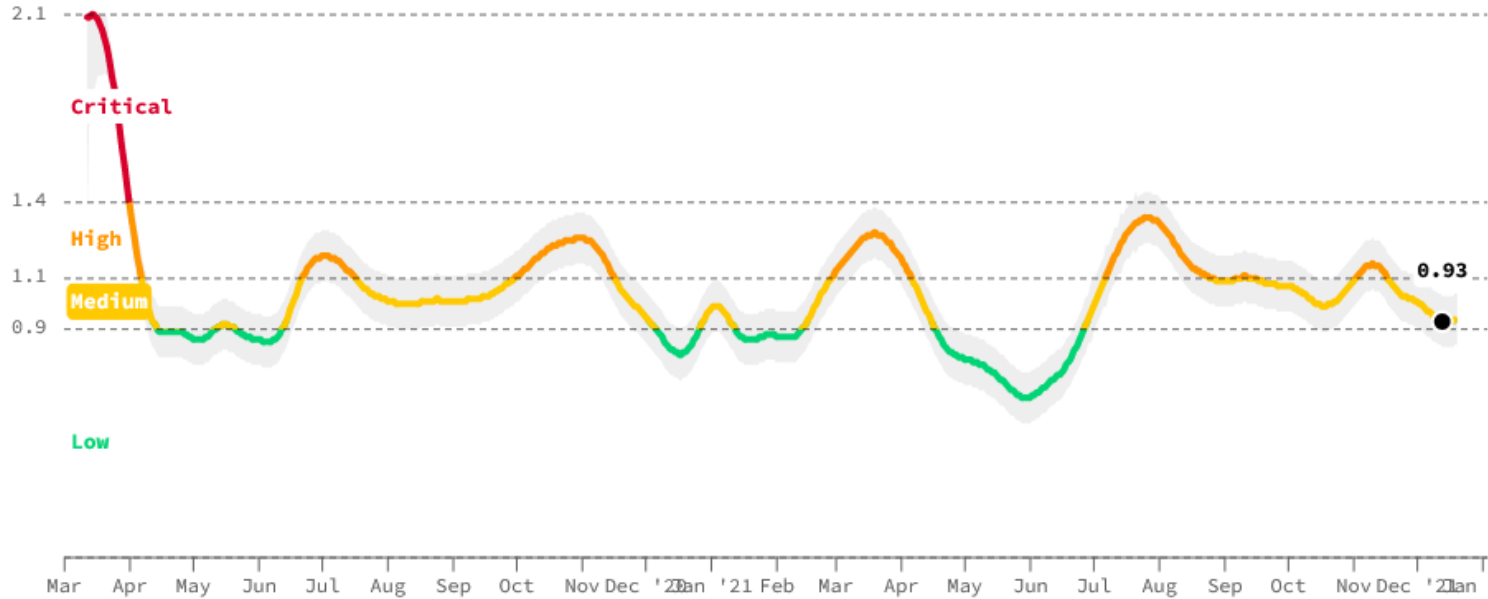
● **62.9** PER 100K

INFECTION RATE

● **0.93**

POSITIVE TEST RATE

● **15.5%**



On average, each person in Michigan with COVID is infecting 0.93 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 12/21/2021, data from 12/13/21

# Cases

DAILY NEW CASES

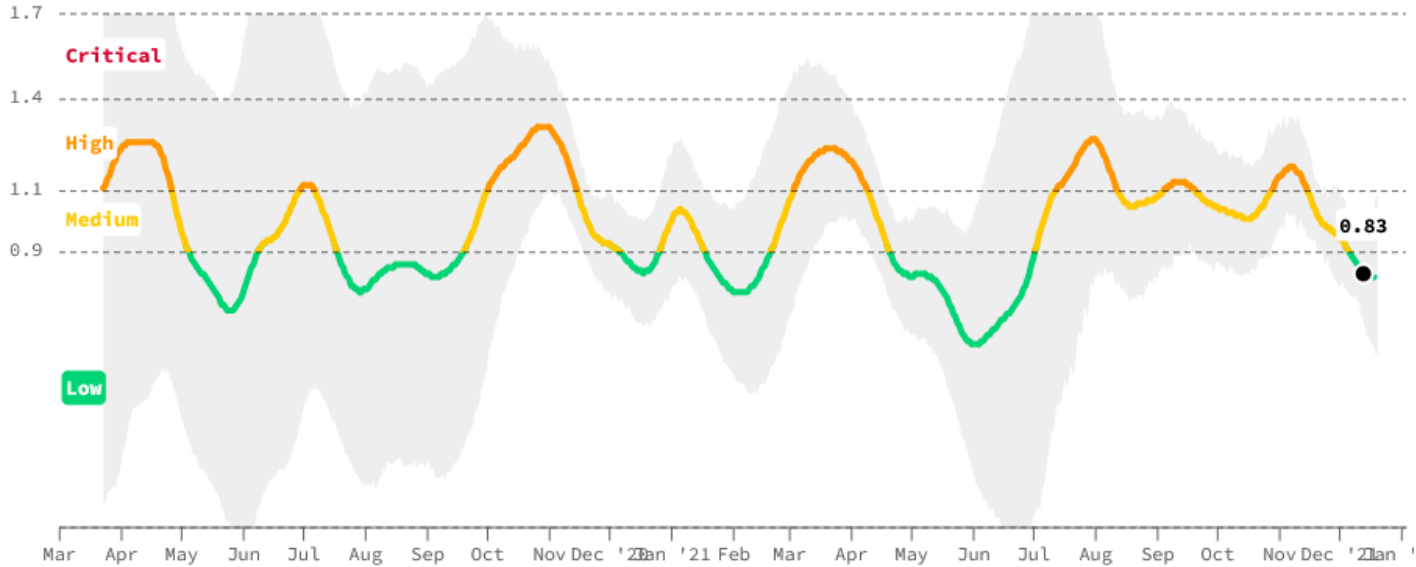
● **52.0** PER 100K

INFECTION RATE

● **0.83**

POSITIVE TEST RATE

● **15.6%**



On average, each person in Allegan County, Michigan with COVID is infecting 0.83 other people. Because each person is infecting fewer than one other person, the total number of current cases in Allegan County, Michigan is shrinking. [About this data](#)

Share

Updated 12/21/2021, data from 12/13/21

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

Allegheny County, data as of 12/16/2021

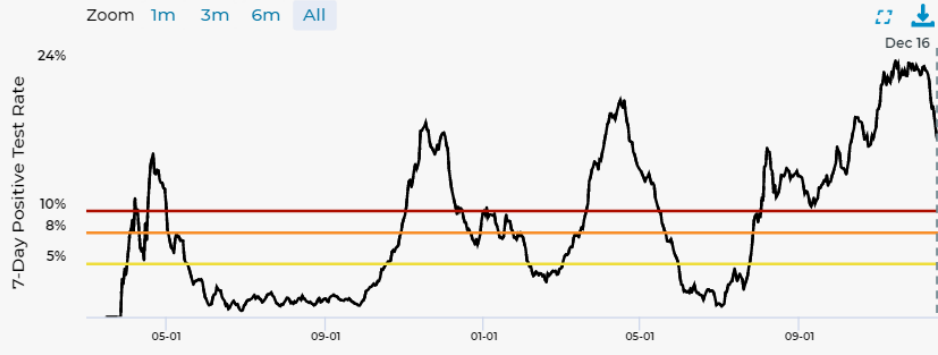
✓ **Test Positivity**  
Dec 10 - Dec 16

**16.8%**  
positive tests

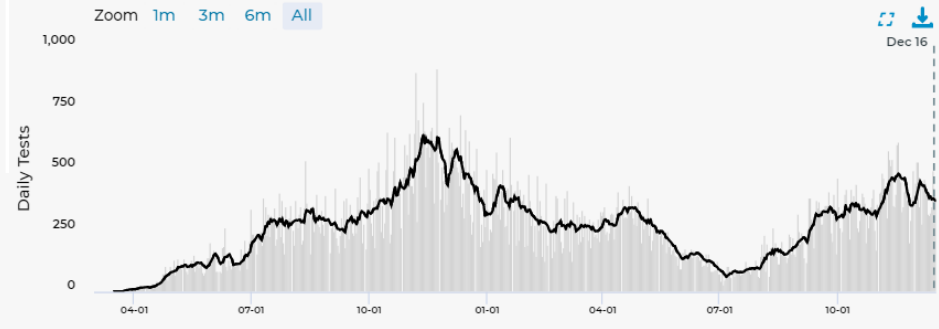
**3.2k**  
daily tests administered per million

📉 **2 weeks** ⓘ  
Nov 26 - Dec 10

**7-Day Positive Test Rate**  
ALLEGHENY COUNTY



**Daily Tests**  
ALLEGHENY COUNTY



**Risk Thresholds (% Positive)**



**Low:** <5%



**Moderate** 5-<8%



**Substantial** 8-<10%



**High** >=10%

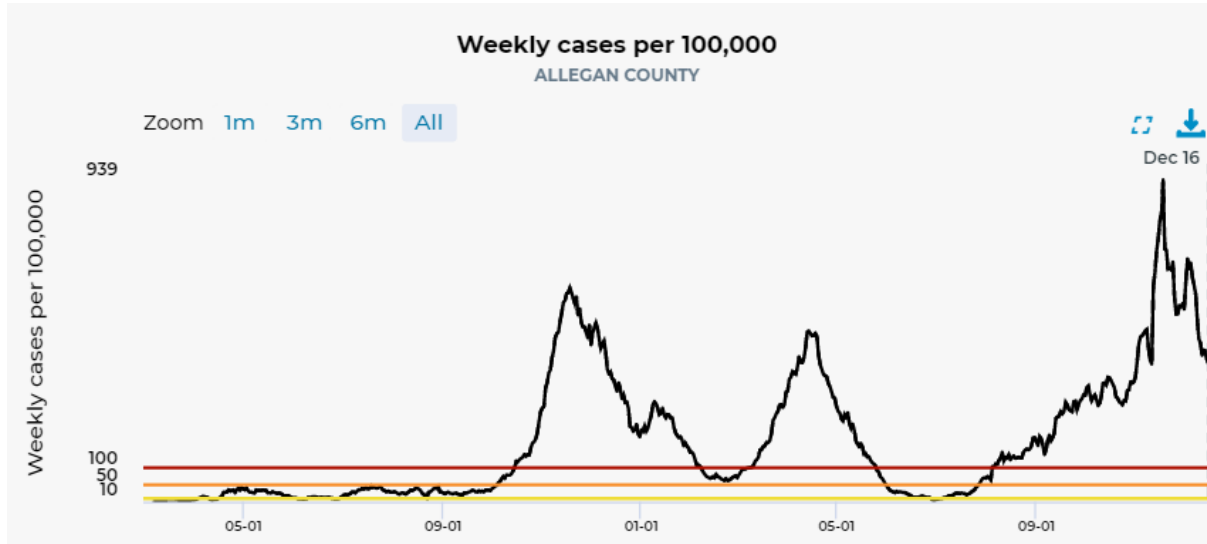
# New Cases,

<https://mistartmap.info/> Allegan County, data as of 12/16/2021

✓ **New Cases**  
Dec 10 - Dec 16

**402.3**  
weekly cases per  
100,000 population

**475**  
weekly cases



Risk Thresholds (Cases per 100,000)



Low: <10



Moderate 10-49



Substantial 50-99



High  $\geq 100$

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

Allegan County, data as of 12/16/2021

## Compare Geographic Areas

AREA	CDC REGION TRANSMISSION (DEC 10 - DEC 16)	CDC COUNTY TRANSMISSION (DEC 16)	WEEKLY CASES PER 100,000 POPULATION (DEC 03 - DEC 09)	% POSITIVE TESTS (DEC 10 - DEC 16)
<a href="#">Allegan</a>	High	High	529.3	16.8%
<a href="#">Barry</a>	High	High	495.5	19.6%
<a href="#">Kalamazoo</a>	High	High	455	14.4%
<a href="#">Kent</a>	High	High	484.5	18.5%
<a href="#">Ottawa</a>	High	High	561.6	19.1%
<a href="#">Van Buren</a>	High	High	696.4	22.5%



# Epidemiologic Information, All Ages Allegan County

Overall	Percent
Healthcare Worker	5.3%
Live or work in high-risk/congregate facility	7.1%
First Responder	0.7%
Other Essential Worker/Critical Infrastructure	12.7%
Healthcare Contact to confirmed care	0.5%
Community Contact to confirmed case	8.3%
Household Contact to confirmed case	17.1%
<b>Total Cases: 19,612</b>	

Cases Reported in Past two weeks	Percent
In quarantine at time of onset/positive test	8.0%
Associated with known cluster/outbreak	0.3%
Any Contact to confirmed case	0.0%
Healthcare contact to confirmed case	0.6%
Community contact to confirmed case	3.8%
Household contact to confirmed case	13.9%
Attended Community Event/Mass Gathering	1.1%
Any Travel (international, domestic, in state)	0.0%
Source of Infection is unknown	16.9%
<b>Number of cases reported in past 2 weeks: 1,132</b>	

With the current surge, school age children are prioritized for case investigation, so not every case aged 19-64 will not be fully investigated and case data cannot contribute to percentages above.

# Epidemiologic Information, Symptoms, All Ages Alleghen County

Symptoms	Percent
Fatigue/Lethargy/ Weakness	70.2%
Cough	70.9%
Fever	53.1%
Chills	45.4%
Shortness of breath	22.8%
Muscle aches	56.9%
Headaches	67.7%
Runny Nose	53.2%
Nausea	24.5%
Congestion	63.6%
Sore throat	44.6%
Diarrhea	25.3%
Loss of Taste	44.2%
Loss of Smell	44.6%

**Asymptomatic Cases: 11.1%**

**Total Cases: 19,612**

Data as of 12/17/2021. Source: Michigan Disease Surveillance System

# Alleghan County Case Trends Elementary School Ages 5 to10

## March 2020 through December 17, 2021

As of March 2020,  
**45.2% were household contact to a confirmed case**  
**18.7% were asymptomatic cases (no symptoms but tested positive for COVID-19)**

### CASES REPORTED IN PAST TWO WEEKS: Data from 12/4/2021 to 12/17/2021

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

12/17/21

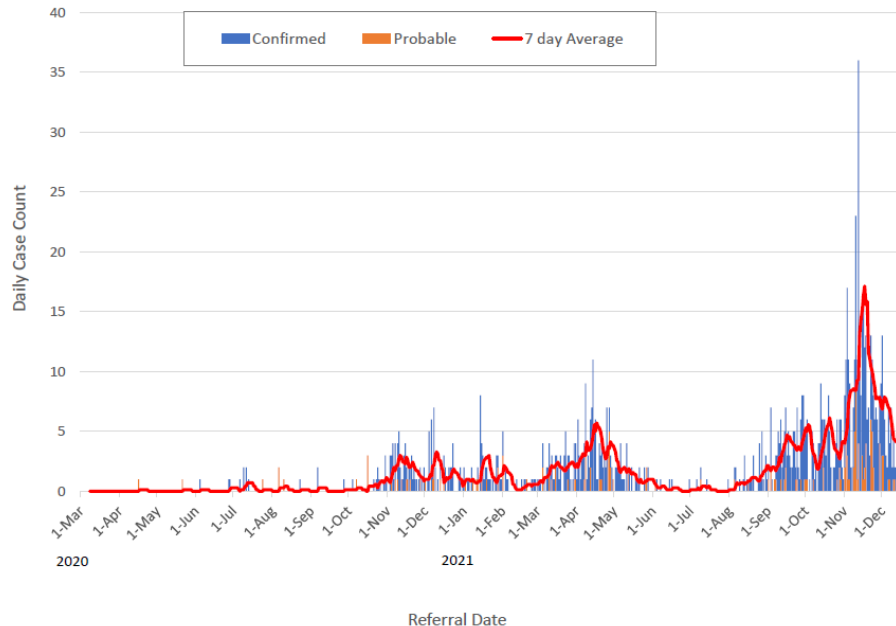
mm/dd/yy

Number of Cases reported in past two weeks	Count	% **
In quarantine at time of onset/positive test	18	28.6%
Associated with known cluster/outbreak	0	0.0%
Any contact (HC, Comm, HH) to confirmed case	37	58.7%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	3	4.8%
Household Contact to confirmed case	34	54.0%
Attended Community Event/Mass Gathering	2	3.2%
Any Travel (international, domestic, in state)	2	3.2%
Source of infection is unknown	22	34.9%

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

**Total Cases : 1,081**

Alleghan COVID-19 Cases in Age 5 to 10 by Referral Date



# Allegan County Case Trends Middle School Ages 11 to 13

## March 2020 through December 17, 2021

As of March 2020,  
**41.6% 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 12/4/2021 to 12/17/2021

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

12/17/21

mm/dd/yy

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

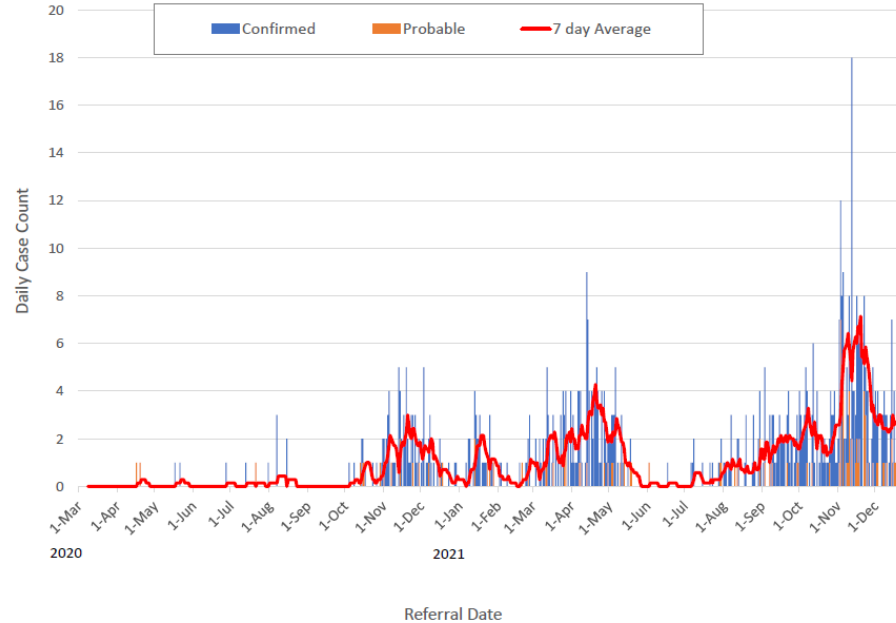
37

	Count	% **
In quarantine at time of onset/positive test	7	18.9%
Associated with known cluster/outbreak	0	0.0%
Any contact (HC, Comm, HH) to confirmed case	19	51.4%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	2	5.4%
Household Contact to confirmed case	17	45.9%
Attended Community Event/Mass Gathering	1	2.7%
Any Travel (international, domestic, in state)	1	2.7%
Source of infection is unknown	11	29.7%

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

Total Cases : 664

Allegan County COVID-19 Cases in Age 11 to 13 by Referral Date



Source: Michigan Disease Surveillance System

# Alleghan County Case Trends High School Ages 14 to 17

March 2020 through December 17, 2021

As of March 2020,  
 26.3% were household contact to a confirmed case  
 11.8% were asymptomatic cases (no symptoms but tested positive for COVID-19)

**CASES REPORTED IN PAST TWO WEEKS: Data from 12/4/2021 to 12/17/2021**

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

12/17/21

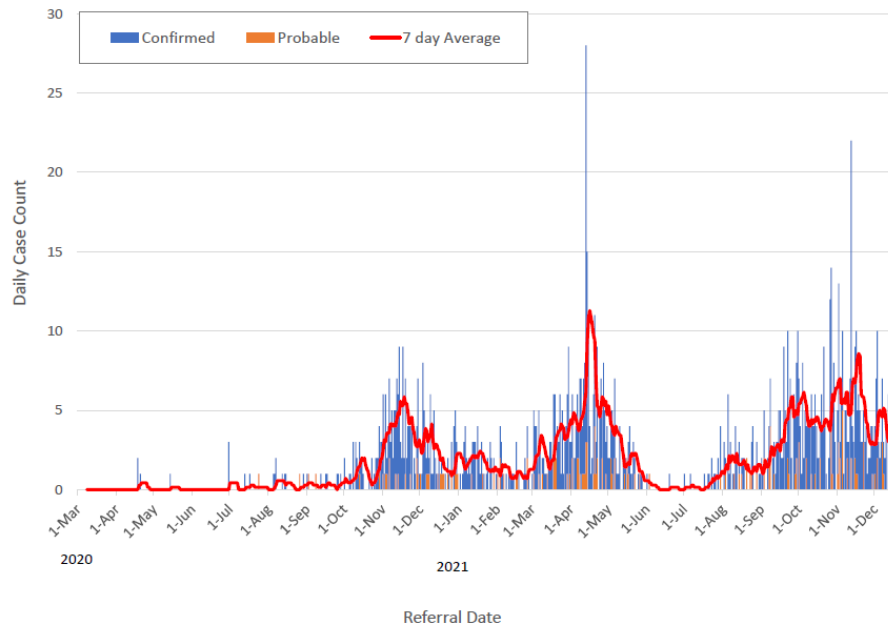
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Number of Cases reported in past two weeks	Count	% **
In quarantine at time of onset/positive test	14	27.5%
Associated with known cluster/outbreak	0	0.0%
Any contact (HC, Comm, HH) to confirmed case	25	49.0%
Healthcare Contact to confirmed case	1	2.0%
Community Contact to confirmed case	5	9.8%
Household Contact to confirmed case	20	39.2%
Attended Community Event/Mass Gathering	1	2.0%
Any Travel (international, domestic, in state)	0	0.0%
Source of infection is unknown	16	31.4%

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

Total Cases: 1,232

Alleghan County COVID-19 Cases in Age 14 to 17 by Referral Date



## Allegan County Breakdown of Total COVID-19 Cases By School Age (3-17)

From March 1, 2020 to December 17, 2021

### Breakdown of Cases by School Age Categories

Total Case Count	3179
Number of Cases <18 years	3179
% cases <18 years	100.0%

Approximate Grade Level	Age	Case Count*	% total cases	% cases <18 years
	0-2 years	0	0.0%	0.0%
Pre-K age	3-4 years	202	6.4%	6.4%
K-5th grade age	5-10 years	1081	34.0%	34.0%
6-8th grade age	11-13 years	664	20.9%	20.9%
9-12th grade age	14-17 years	1232	38.8%	38.8%

\*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 Breakdown of COVID-19 Cases By School Age (3-17)

Past 2 Weeks , As of December 17, 2021

### Breakdown of Cases by School Age Categories

Total Case Count	146
Number of Cases <18 years	146
% cases <18 years	100.0%

Approximate Grade Level	Age	Case Count*	% total cases	% cases <18 years
	0-2 years	0	0.0%	0.0%
Pre-K age	3-4 years	13	8.9%	8.9%
K-5th grade age	5-10 years	57	39.0%	39.0%
6-8th grade age	11-13 years	34	23.3%	23.3%
9-12th grade age	14-17 years	42	28.8%	28.8%

\*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.

### Household Contacts to a Confirmed Case (12/4/21-12/17/21):

5-10 years: 54.0%  
11-13 years: 45.9%  
14-17 years: 49.2%

# K-12 school clusters and outbreaks, recent and ongoing, week ending Dec 9

Number of reported outbreaks/clusters decreased since last week (557 to 523), with decreases in Pre K-Elementary (323 to 305), Middle/Jr High (115 to 103), and High Schools (119 to 115). No Administration outbreaks reported this week

Region	Number of reported cases, #	# Ongoing - Excluding New	# New	Number of outbreaks	Range of cases per outbreak
Region 1	1,538	19		109	2-77
Region 2n	430	7		50	2-45
Region 2s	442	61		45	3-44
Region 3	3,151	54		149	2-98
Region 5	183	40		37	3-21
Region 6	547	35		90	3-51
Region 7	202	7		16	3-47
Region 8	528	5		27	4-51
<b>Total</b>	<b>7,021</b>	<b>228</b>		<b>523</b>	<b>2-98</b>

Grade level	Number of reported cases, #	# Ongoing - Excluding New	# New	Number of outbreaks	Range of cases per outbreak
Pre-school - elem.	3,080	117		305	2-59
Jr. high/middle school	1,547	34		103	2-77
High school	2,394	77		115	3-98
Administrative	0	0		0	4
<b>Total</b>	<b>7,021</b>	<b>228</b>		<b>523</b>	<b>2-98</b>

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

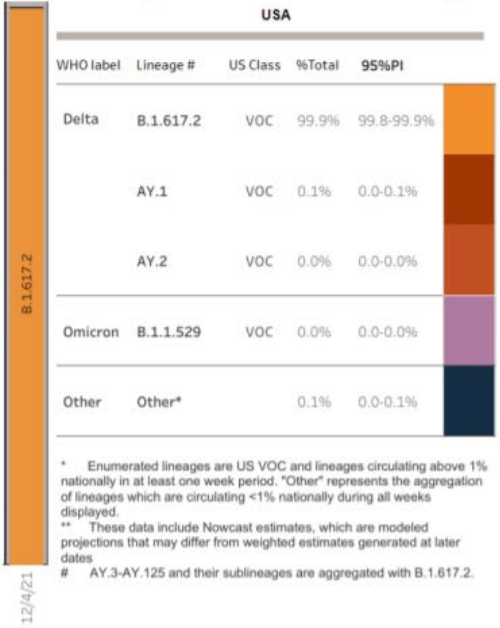
Source: LHD Weekly Sitreps

As of 12/16/21, ACHD has identified **4 ongoing** outbreaks and **1 new** outbreaks.

- 1 Other
  - 1 School K-12 setting
  - 3 Long term care facilities (LTCF)

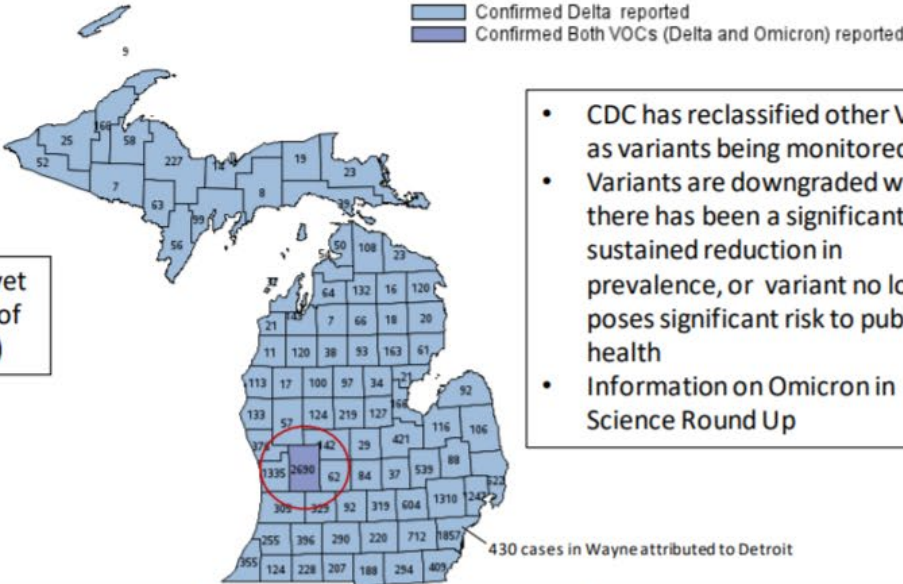
# Identified COVID-19 Cases Caused by Variants of Concern (VOC) in US and Michigan

## SARS-CoV-2 Variants Circulating in the United States, Nov 27 – Dec 4 (NOWCAST)



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

## Variants of Concern in Michigan, Dec 13



- CDC has reclassified other VOCs as variants being monitored
- Variants are downgraded when there has been a significant and sustained reduction in prevalence, or variant no longer poses significant risk to public health
- Information on Omicron in Science Round Up

Variant	MI Reported Cases <sup>§</sup>	# of Counties	MDHHS VOC Sequenced Prev.
B.1.617.2 (delta)	19,954	83	>99%
B.1.1.529 (omicron)	1	1	<1%

Data last updated Dec 13, 2021  
 Source: MDSS

Allegan County has **309** reported Delta variant cases (as of 12/13/21). There are no reported Omicron variant cases in Allegan County at this time. Note: not every positive case is serosequenced for a variant.



# COVID-19 and the Omicron variant

## What We Know:

The best way to protect yourself from COVID-19 is to get fully vaccinated and boosted, combined with prevention strategies like wearing a mask in crowds or indoors.

Dated: 12/1/2021

## What We're Learning:

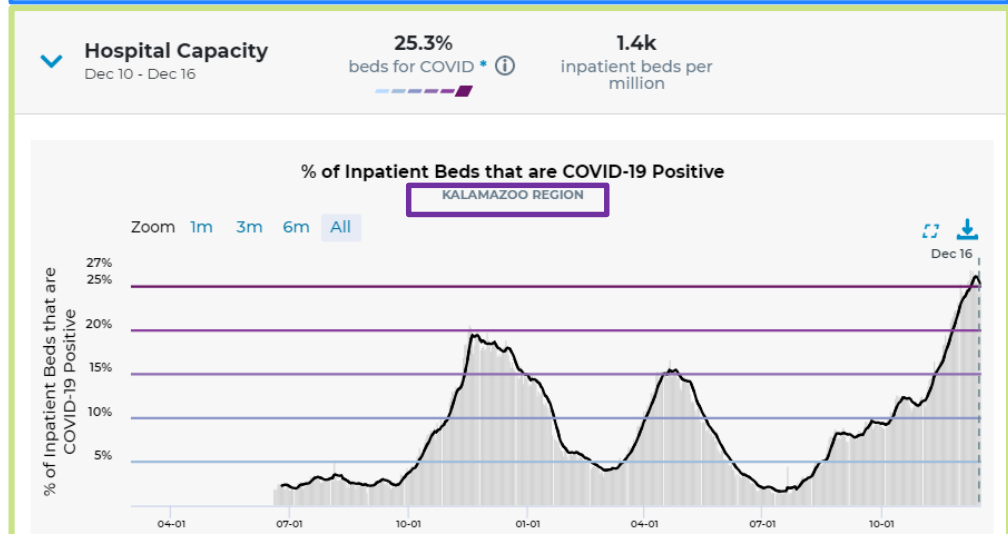
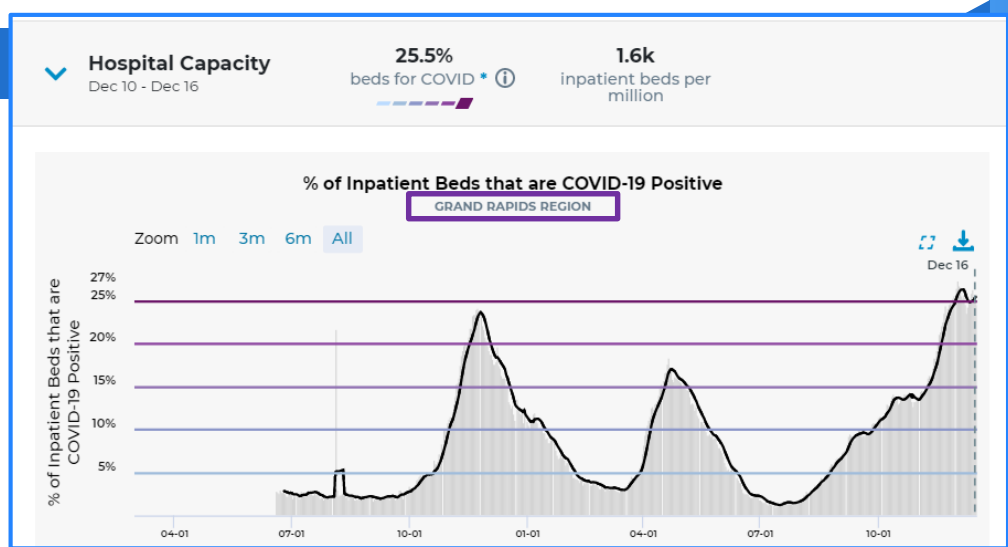
Scientific studies are currently underway to learn if Omicron is more contagious or causes more severe disease than other variants, and how effective vaccines are against Omicron.

- ▶ At this time, we have no reported or confirmed COVID-19 Omicron variant cases in Allegan County.
- ▶ On Monday, CDC released updated [Nowcast predictions](#) from genomic sequencing that shows Omicron is now the dominant variant representing approximately 73% of cases. In Regions 2, 4, 5 (includes Michigan), 6, and 10, Omicron is over 90% of cases. This sharp rise in Omicron was expected and is similar to what has been seen worldwide.

# We have the tools to fight Omicron:

- ▶ Masks offer protection against all variants, even if you are fully vaccinated.
  - ▶ In addition to getting vaccinated, get a booster dose if you are eligible.
- ▶ Testing can tell you if you are currently infected with COVID-19, so you can isolate and prevent spreading the virus to others
  - ▶ Consider taking an at home test prior to gathering with others over the Holidays
  - ▶ Stay home if you are sick, and self-isolate until you recover if you develop symptoms or test positive.
  - ▶ ACHD is holding upcoming free drive-thru testing events for the public (Wednesdays at the Allegan County Transportation Building)

- ▶ Many Allegan County residents access hospital services in the Grand Rapids and Kalamazoo Regions.
- ▶ Grand Rapids Region (Region 6)
  - ▶ 25.5% of inpatient beds are treating COVID-19 patients
- ▶ Kalamazoo Region (Region 5)
  - ▶ 25.3% of inpatient beds are treating COVID-19 patients



Data as of 12/16/21

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

# Sufficient Health Care Capacity

Region 5: Allegan/Kalamazoo Hospital Systems

Region 6: Grand Rapids/Ottawa Hospital Systems

Statewide Hospital Capacity Report COVID-19 12/20/2021\*

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	1723	1602	1306	1069	1275	1049	162	137	152	134
Region 6	3177	2786	2860	2318	2508	2031	448	400	295	270

Region 5: **81.9%** of inpatient beds are occupied  
 Region 6: **81.0%** of inpatient beds are occupied

COVID-19 Metrics 12/20/2021

HCC Region	Total Adult Suspected/Confirmed	Adult Confirmed-Positive COVID	Hospitalized Peds Confirmed/Suspected	Hospitalized Ped Confirmed-Positive	Hospitalized and Ventilated COVID	Adult ICU Confirmed/Suspected COVID	ICU Adult Confirmed-Positive COVID	Prev Day COVID Related ED Visits
Region 5	292 ↓	284 ↓	4 ↑	3 ↔	45 ↓	52 ↓	52 ↓	226 ↓
Region 6	568 ↓	557 ↓	11 ↔	11 ↔	132 ↓	168 ↓	165 ↓	205 ↓

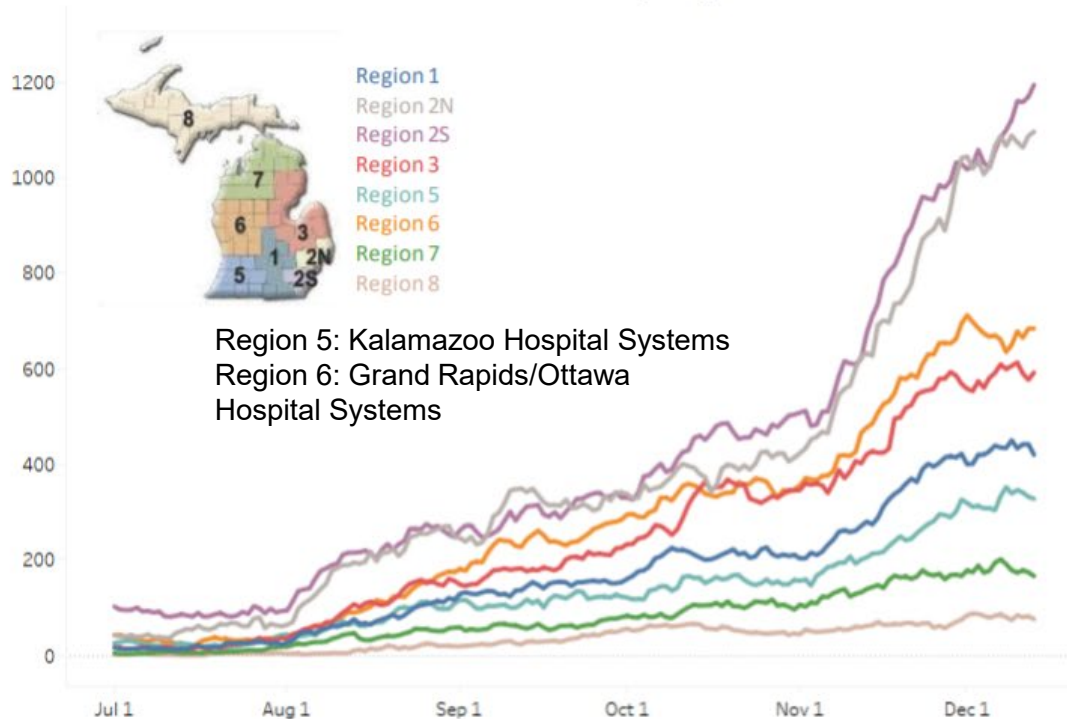
## Hospitals in our Area, Patient Census

Hospital	COVID-19 Patients	COVID-19 Patients in ICU	Bed Occupancy %
Allegan General Hospital	2	0	20%
Ascension Borgess Hospital	49	8	98%
Ascension Borgess-Pipp Hospital	0	0	53%
Bronson Methodist Hospital	74	2	88%
Bronson South Haven	4	0	88%
Holland Community Hospital	30	3	68%
Mercy Health Mercy Campus	66	32	73%
Mercy Health St. Mary's Main Campus	43	12	83%
Metro Health Hospital	48	6	92%
Spectrum Health - Blodgett Hospital	107	35	91%
Spectrum Health - Butterworth Hospital	144	52	91%
Spectrum Health - Zeeland Hospital	27	4	85%
Spectrum Helen DeVos Children's Hospital	11	0	77%
Data as of 12/20/2021			

***Some smaller hospitals might not have ICU beds for COVID or non-COVID patients***

# Statewide Hospitalization Trends: Regional COVID+ Census

Hospitalization Trends 6/1/2021 – 12/13/2021  
Confirmed Positive by Region

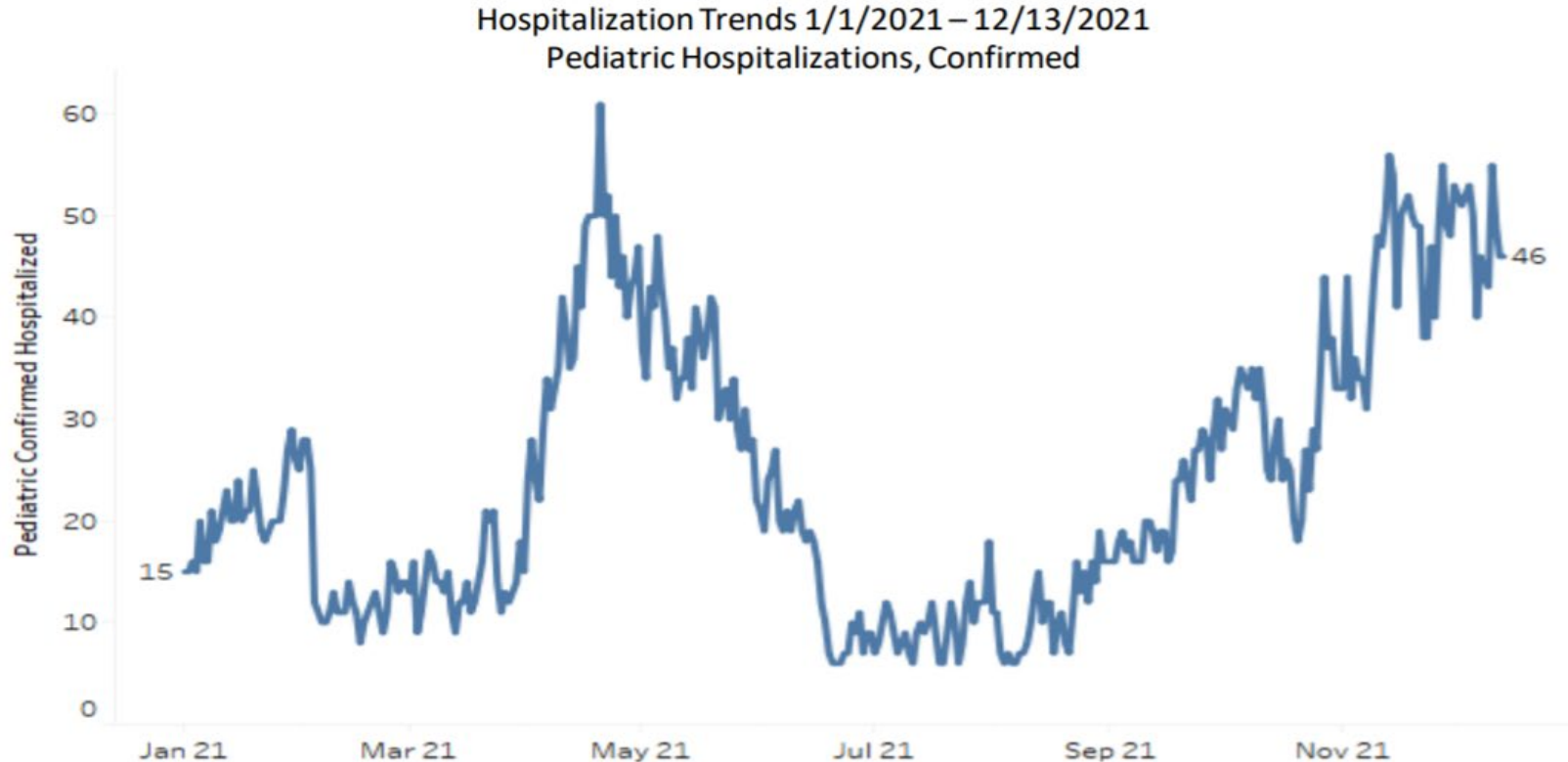


The change in COVID+ census in hospitals was variable this week across regions. Regions 2S and 3 show the fastest growth this week while Region 7 and 8 showed the greatest rate of decline.

Regions 2N, 2S, 3 and 6 now have greater than 400/Million population hospitalized and Regions 2S and 3 have >500/Million.

Region	COVID+ Hospitalizations (% Δ from last week)	COVID+ Hospitalizations / MM
Region 1	420 (-6%)	388/M
Region 2N	1096 (-4%)	495/M
Region 2S	1194 (17%)	536/M
Region 3	592 (12%)	522/M
Region 5	328 (2%)	344/M
Region 6	684 (2%)	466/M
Region 7	166 (-14%)	332/M
Region 8	76 (-8%)	244/M

# Statewide Hospitalization Trends: Pediatric COVID+ Census



From 9/1/21 – 12/20/21, there have been 8 pediatric Allegan County residents hospitalized related to COVID-19

# Allegan County VACCINE DATA

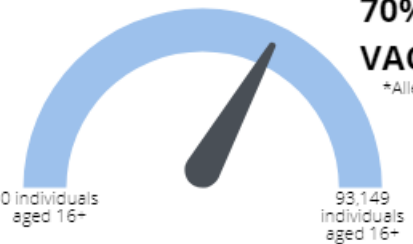
Updated 12/20/21  
Data as of 12/17/21



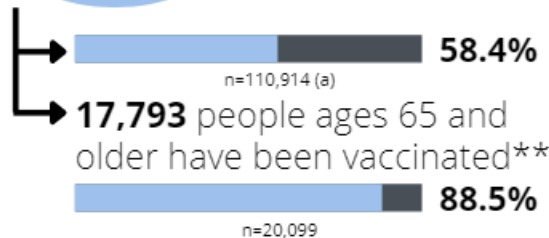
**64.7%**

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

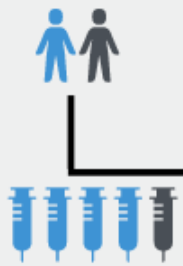
\*Allegan County residents age 16+



As of December 17, **64,728** people 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 (53.4%).

**Over 4 in 5** individuals aged 65 and older are fully vaccinated (82.1%).

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

Total Doses Distributed\*

**124,270**

Primary Series Doses Administered\*

**117,834**

Additional/Booster Doses Administered\*

**24,067**

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

\*based on person's residence.

**PLANNED CLINICS** December 20, 2021 to December 31, 2021

**2** Clinics

**100** 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

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.





# Allegan County UNVACCINATED CASE DATA ALL AGES

Since January 2021, there have been:

**12,786**  
Total COVID-19  
Cases

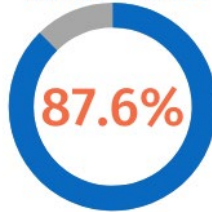
**296**  
Total COVID-19  
Hospitalizations

**142**  
Total COVID-19  
Related Deaths

Total COVID-19 cases  
not fully vaccinated

**11,197**

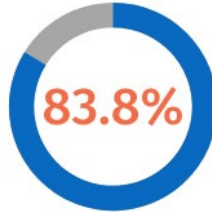
% of not fully  
vaccinated  
COVID-19 cases



Total COVID-19  
hospitalizations not fully  
vaccinated

**248**

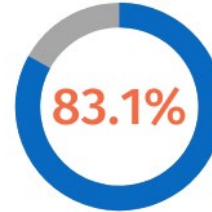
% of not fully  
vaccinated COVID-19  
hospitalizations



Total COVID-19 deaths  
not fully vaccinated

**118**

% of not fully  
vaccinated COVID-19  
deaths





# Allegan County BREAKTHROUGH CASE DATA ALL AGES

As of December 1, there are **63,247** total fully vaccinated individuals in Allegan County

<p>Total breakthrough cases:</p> <p><b>1,589</b></p>	<p>Total breakthrough hospitalizations:</p> <p><b>48</b></p> <p><i>all breakthrough hospitalizations are over the age of 40</i></p>	<p>Total breakthrough COVID-19 related deaths:</p> <p><b>24</b></p> <p><i>all breakthrough deaths are over the age of 55</i></p>
<p>% of breakthrough cases:</p> <p><b>2.51%</b></p>	<p>% of breakthrough hospitalizations:</p> <p><b>0.08%</b></p>	<p>% of breakthrough deaths:</p> <p><b>0.04%</b></p>

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

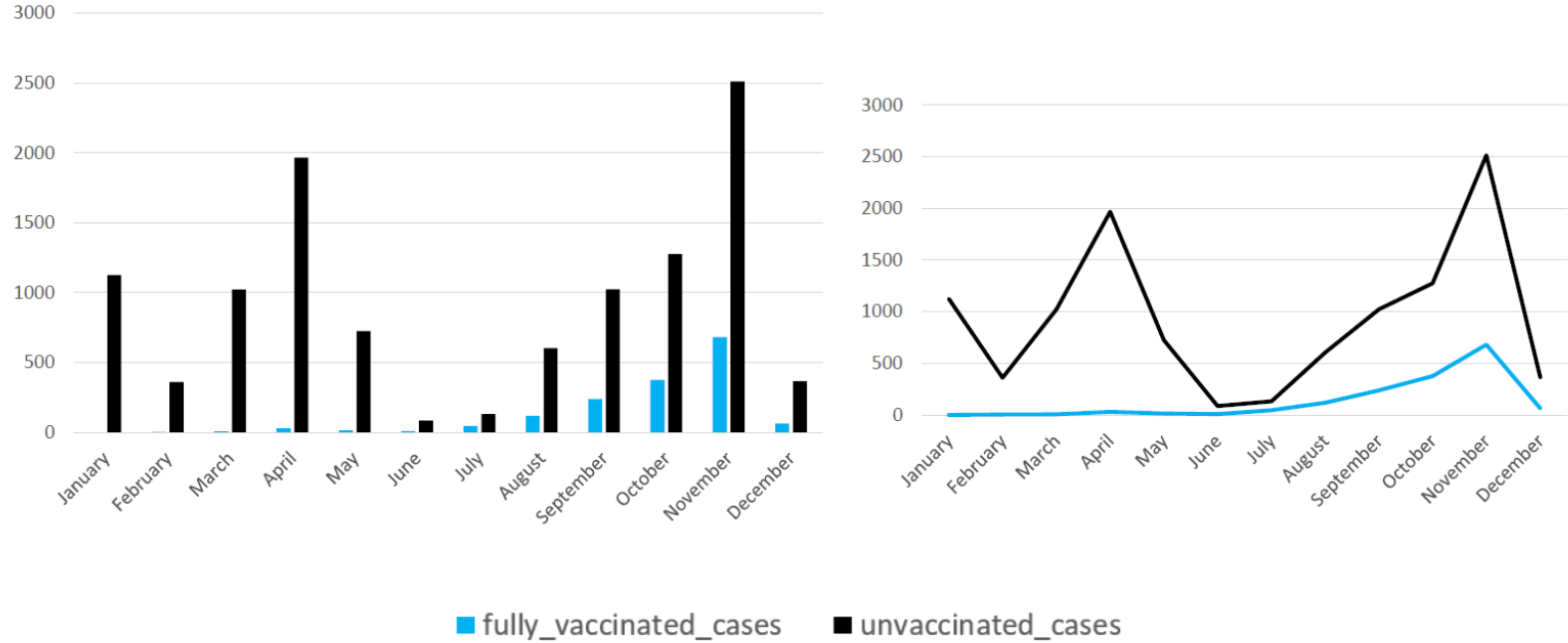
This bottom section shows breakthrough data for ages 5-19 ONLY

As of December 1, there are **4,959** fully vaccinated children ages 5-19

Total breakthrough cases:	% of breakthrough cases:
<b>74</b>	<b>1.49%</b>

Data from January 1, 2021 to December 3, 2021

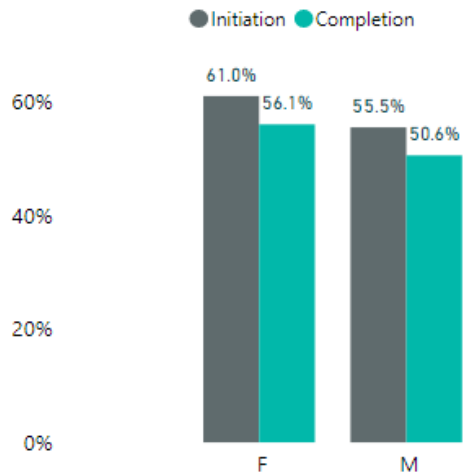
## Allegheny County COVID-19 Fully Vaccinated Cases vs Unvaccinated Cases from 01/01/2021 to 12/3/2021



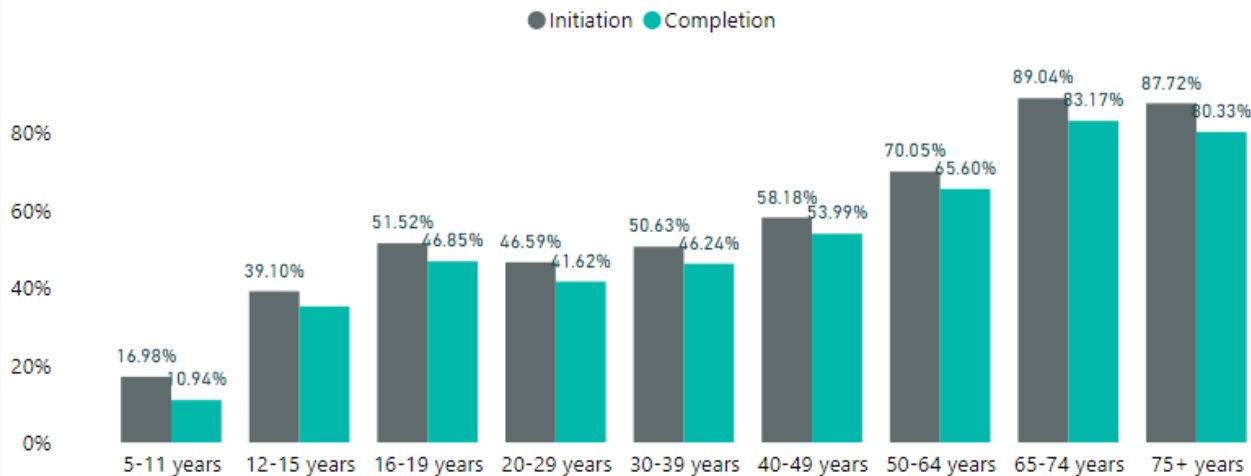
The graphs above show a comparison of fully vaccinated cases and unvaccinated cases on a monthly basis. As the graph indicates, number of breakthrough cases have increased since July 2021. However, the number of unvaccinated cases have continued to outnumber the fully vaccinated cases each month.

# Allegan County Vaccination by Gender and Age Group, As of December 17, 2021

## COVID Vaccine Coverage by Sex



## COVID Vaccine Coverage by Age Group



Age 5-11  
Initiated: 1,874: 17%  
Completed: 1,207: 10.9%

Age 12-15  
Initiated: 2,631: 39.1%  
Completed: 2,367: 35.2%

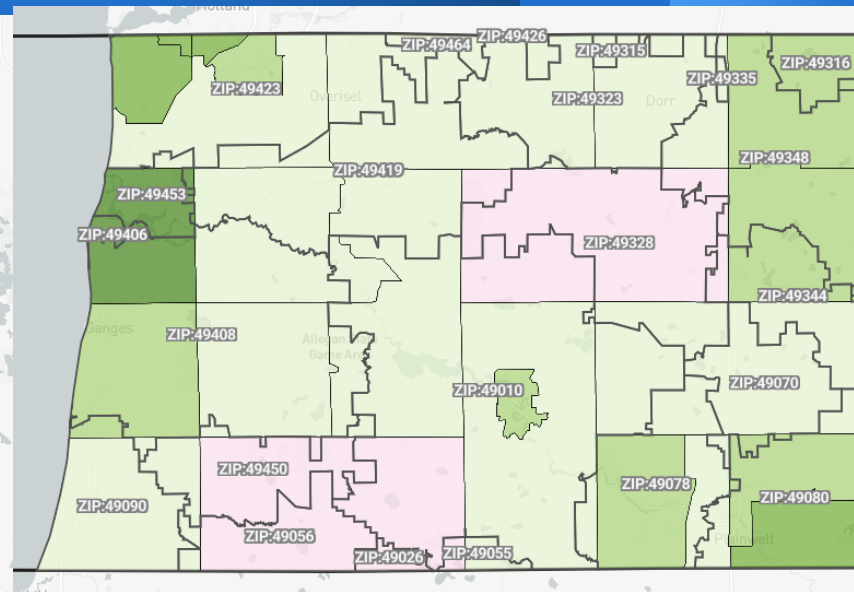
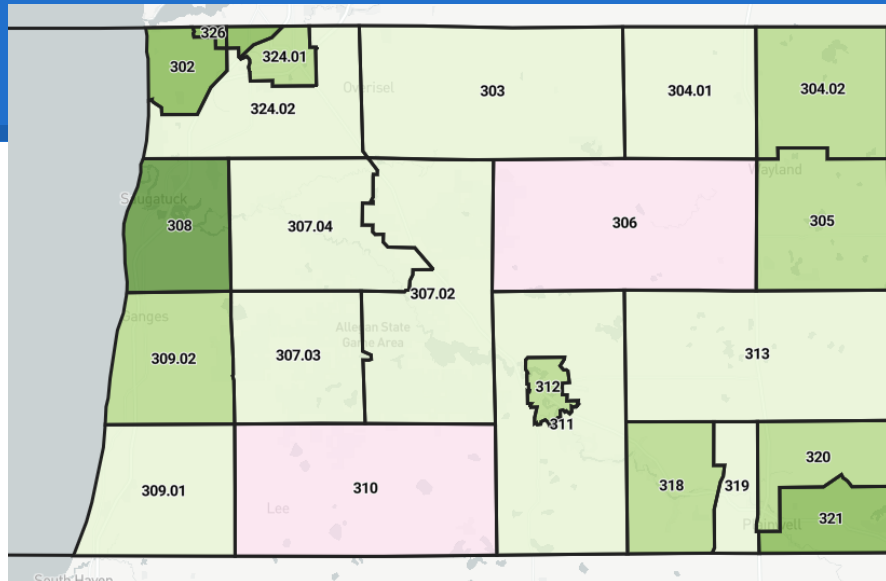
Age 16-19  
Initiated: 2,976: 51.5%  
Completed: 2,706: 46.8%

### 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](#)

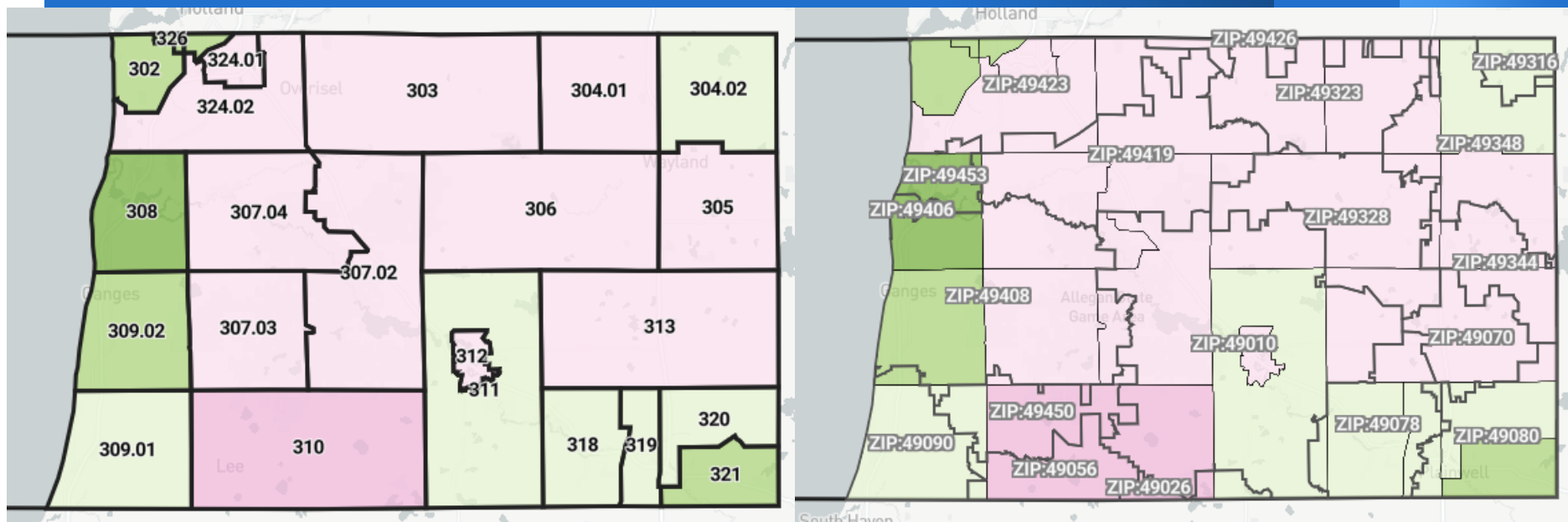


Color coded by: Fully Vaccinated (% Ages 16+)

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



Data as of 12/21/21



Color coded by: Fully Vaccinated (% Population)

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 <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



# OSHA Update

- ▶ According to an [OSHA update](#), covered employers will have until Jan. 10, 2022, to comply with all requirements except the weekly testing of unvaccinated workers. Weekly testing may be delayed until Feb. 9, assuming the employer is making reasonable, good-faith efforts to come into compliance.
- ▶ While a U.S. circuit court issued a nationwide stay on the ETS the next day, as of Dec. 17, 2021, the [stay has been lifted](#) and ***the ETS is currently in effect.***

# Pfizer Pediatric Trial Update, 6 months to 5 years of age:

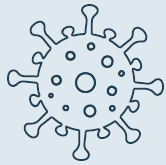
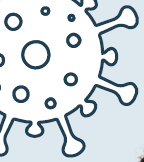
- ▶ On 12/17, Pfizer and BioNTech announced results of their Phase II/III trial, saying that they are [modifying their clinical trial](#) to include a third shot at least two months after the initial two-dose regimen for children under age 5.
  - ▶ The vaccine was safe, and no severe events occurred. The vaccine dosage worked for children between 6 months and under 2 years of age.
  - ▶ The vaccine dosage did not work for ages 2 to under 5 population. Because of this, the process for authorization was stopped and Pfizer announced a plan of continuation into the next phase.
  - ▶ If three doses are successful at triggering a protective immune response, the companies expect to submit the data to regulators in the first half of next year.
  - ▶ ACHD is monitoring as information is provided

# ACHD surveying businesses

- ▶ As we enter 2022, we are evaluating our work by identifying experiences from businesses and areas that we can improve upon for the future. Please consider taking 5 minutes to fill out [this survey](#). Your insight and feedback is extremely valuable to us.

## Moving into 2022 – ACHD Focus

- ▶ ACHD is looking to shift resources to **increase testing availability** in our County and **decrease the number of vaccine clinics** we offer.
  - ▶ Vaccines will still be available by appointment at the Health Department main location
  - ▶ There are many other places for individuals to access vaccines – visit [www.vaccines.gov](http://www.vaccines.gov)



# Everyone 16 years or older is now eligible for a **COVID-19 booster!**

Immunity decreases naturally over time and cold weather makes viruses even easier to spread. As we gather with friends and family over the holidays, a booster can help keep us protected.

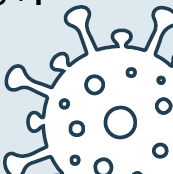
If you got your initial doses of **Pfizer** or **Moderna** at least **6 months ago**, you are now eligible for another dose.

If you got your initial dose of **Johnson & Johnson** at least **2 months ago**, you are eligible for another dose.

Some people may prefer a different vaccine type for their booster; mixing and matching is allowed as long as you are 18+.



For help finding a vaccination site, visit [Michigan.gov/COVIDVaccine](https://Michigan.gov/COVIDVaccine) or call 2-1-1.

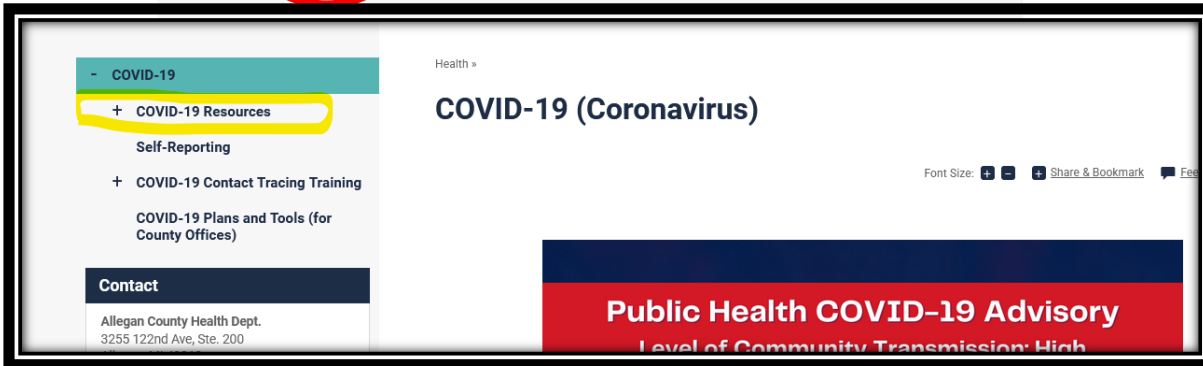


# New Allegan County Website Navigation



Health Department Home:  
[www.allegancounty.org/health](http://www.allegancounty.org/health)

New COVID page link:  
[www.allegancounty.org/health/covid-19](http://www.allegancounty.org/health/covid-19)



Directly on the home page of the website you can find COVID-19 information on the middle left indicated by the arrow above. The health department home page can be found near the top right "Health" tab indicated by the circle above. Find COVID-19 Related Resources on the left side menu of the COVID-19 page. Resources are broken down by sector. If there is a resource you cant find, please email [healthed@allegancounty.org](mailto:healthed@allegancounty.org)



# Mitigation to Adaptation



COVID-19 Response



**Given our current state, how do we move forward with adaptation? What resources are needed to do this?**

**Goal: Recover from the pandemic as a community with a low amount negative impact and high amount of community resiliency**

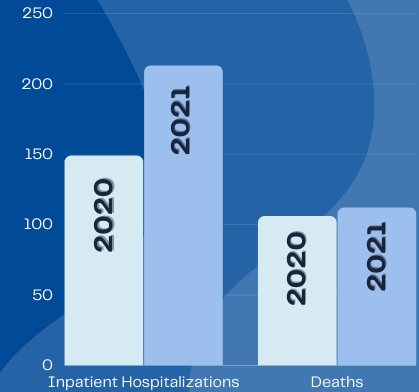


**Pandemic:** Event in which a disease spreads across several countries and affects a large number of people.

**Endemic:** The constant presence and/or usual prevalence of a disease or infectious agent in a population within a geographic area.

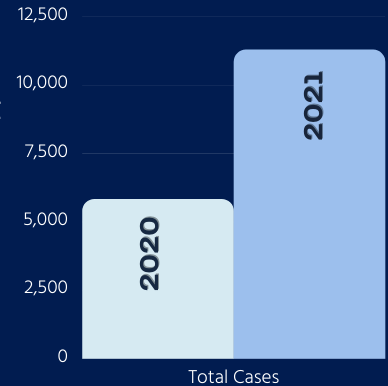
**We are not yet in the endemic stage for COVID-19 and still have a response to the pandemic.**

**Allegan County, 2020 and 2021 data as of 11/19/21**



## **Current State of the Pandemic (where we are at):**

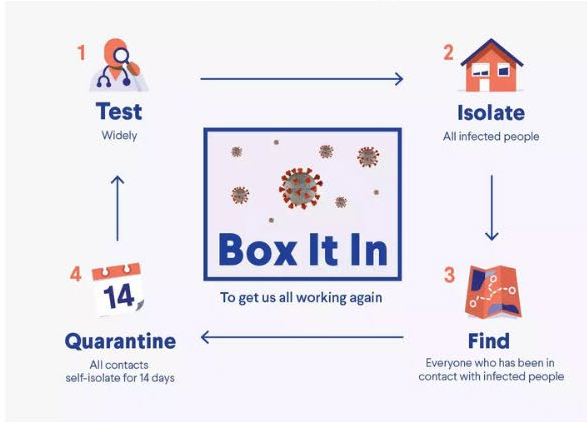
- In November 2020, Allegan County peaked in our most recent surge, the highest surge we've faced thus far.
- Pandemic Fatigue continues, with minimal mitigation strategies being used on a community level
- Politically Divisive charged environment
- Individual behaviors collectively influence community numbers and outcomes
- Allegan County's vaccine coverage rate is lower than the state's average



# Enhanced Ability to Test



## Ensure timely access to testing for all residents



Testing is incredibly important to quickly identify cases moving forward. **This will help minimize transmission and prevalence of virus in community.**

Home Test Kits



Pharmacy Testing

Community Pop-up Testing



Provider Testing



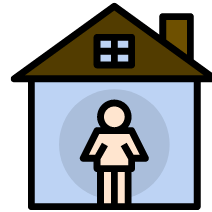
# Robust Contact Tracing and Case Investigation



- Provide health education on actions to take
- Evaluate Required Quarantine practices

Local Public Health, based on resources, will only contact trace high risk environments. For non-high risk cases, positive individuals are responsible for notifying close contacts.

Letters of Exposure sent for high risk environments



Isolation when sick (required)

Cases telling close contacts



Quarantine when exposed (recommended).  
Testing will allow for early detection of COVID.

**Testing on day 3-5 is highly recommended for close contacts to identify asymptomatic cases.**

# Sufficient Health Care Capacity



- **Provide health education on actions to take**
- **Monitor capacity to include COVID and non-COVID health needs**
- **Surveillance on chronic and infectious diseases in Allegan County**

What chronic diseases in Allegan County may put people in the hospital?  
(lung cancer, diabetes, obesity, etc.)

What other infectious diseases that may be circulating in our community?

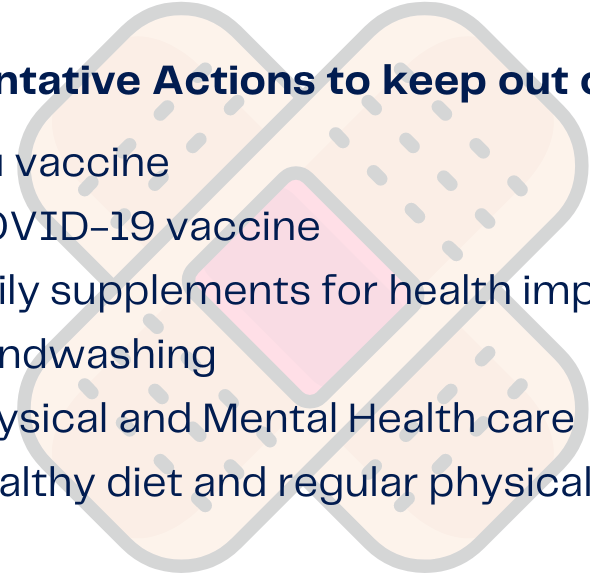


What other things should our community be monitoring?

What partnerships should be in place?

## Preventative Actions to keep out of hospital

- Flu vaccine
- COVID-19 vaccine
- Daily supplements for health improvement
- Handwashing
- Physical and Mental Health care
- Healthy diet and regular physical activity



# Best Practices for Organizations



- **Workplace policies that improve public health outcomes**
- **Expanding/Building relationships to improve broad public health outcomes**

## **Policies related to:**

Diversity, Equity, Inclusion    Health in All policies  
Sick Leave

(ex [The Healthy Families Act](#) [Paid Sick Days](#))

Health Screenings

Enhanced Ventilation and  
Cleaning

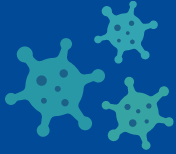
Considering social distancing or other barriers to put/keep in place when establishing work flow processes

Vaccine clinics on site (COVID-19, Flu, Hep A, Hep B, other vaccines for workforce)

Health Education to consider for Employer Wellness Programs

Consider sharing your business experiences with public health

# Treatment, Community Vaccination and/or Herd Immunity



- **Determining clinic needs based on availability in the community and where people choose to get vaccinated**
  - **Is there a need for ACHD clinics?**
- **Surveillance for COVID-19 resistant variants (current challenge)**
- **Monitor vaccine rates and infection rates**
- **Implement Vaccine Plan for large vaccine events if needed (vaccine resistant variant)**
- **Ensure access to available COVID-19 treatments**

# Socio-Ecological Model

The social ecological model looks at health broadly and focuses on multiple factors that might affect health (social, physical, cultural, environmental).





# Evaluating Risk vs. Benefit for COVID and impact to greater community

## **Individual-level**

- What brings value to your life/loved ones/friends?
- What are ways to be more healthy/protected to do those things?

## **Business/School/Organization Level**

- What are your goals/objectives? What are ways to ensure a healthy workplace is in place to meet your goals/objectives?

## **Community Level**

- How can we all work together?



# Future State of Public Health Response

COVID-19 pandemic has demonstrated the intersection between health and impact on the economy.

ACHD has prioritized technical assistance to businesses, schools, and other organizations since the start of the pandemic to minimize outbreaks and absenteeism while providing services.

**If businesses, schools, or other organizations would like continued technical assistance , then please consider sharing your experience with the Allegan County Board of Commissioners (BOC) at upcoming public meetings (December 9th, January 13th, or by email).**

The BOC will consider allocating funding (at the January 13 BOC Meeting) to allow ACHD to continue providing technical assistance, timely case investigation/contact tracing, and other mitigation strategies (if no funding is received, the MDHHS COVID-19 grant funding will be spent by March 2022 and ACHD's response will not include technical assistance to organizations).



# DECEMBER VACCINE CLINICS



 VACCINATING AGES 5 AND UP AT ALL CLINICS

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

**Saturday, December 4 | 10:00am-1:00pm**

Walk-ins available from 11:00am-12:30pm  
Wayland High School, 870 E. Superior St.,  
Wayland

**Thursday, December 9 | 5:00pm-7:30pm**

Walk-ins available from 5:30pm-7:00pm  
Starr Elementary School, 601 School Dr, Plainwell

**Sunday, December 12 | 3:00pm-6:00pm**

Walk-ins available from 4:00pm-5:30pm  
Hamilton High School, 4911 136th ave, Hamilton

**Tuesday, December 14 | 3:00pm-5:00pm**

Walk-ins available from 3:30pm-4:30pm  
Casco United Methodist Church,  
880 66th St., South Haven

**Monday, December 20 | 3:00pm-5:00pm**

Walk-ins available from 3:30pm-4:30pm  
Allegan High School, 1560 M-40, Allegan

**Tuesday, December 28 | 3:30pm-6:30pm**

Walk-ins available from 4:00pm-5:30pm  
Saugatuck High School, 401 Elizabeth St.,  
Saugatuck

Please schedule an appointment ahead of time by visiting [www.allegancounty.org/health/covid-19](http://www.allegancounty.org/health/covid-19)

**\*Pfizer-BioNTech, Moderna, and J&J Booster Shots available to those 18+\***

(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.)



HEALTH  
Department

**FREE**

# DRIVE THRU COVID-19 TESTING EVENTS



**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.



**GRATIS**

# CONDUCE A TRAVÉS DE EVENTOS DE PRUEBA DE COVID 19



**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.



**Note: Starting January 5, the Wednesday testing event time will be from 12pm to 5pm at the Allegan County Transportation Building**

# Mental Health and the Holidays

The holiday season can bring joy to many, but it can also be a stressful time of year. Stress, anxiety, and loneliness may be compounded by the COVID-19 pandemic. If you are feeling stressed, start by acknowledging and accepting your feelings, and take steps that make you feel safe.



If you are feeling isolated this holiday season, reach out or ask for help if you need it.



Setting boundaries can help you feel more in control of the season's celebrations, in a way that is best for you.



Use positive coping strategies that can support your mental health—like practicing mindfulness, exercising, eating well, spending time in nature, and getting enough sleep.



Do what you can to stay healthy by getting vaccinated or a booster if you are eligible, and by wearing a mask or practicing social distancing where advisable—indoors and in crowds.

## Additional Resources

CDC Mental Health Resources  
[HowRightNow.org](https://www.howrightnow.org)

National Alliance on Mental Illness  
[NAMI.org](https://www.nami.org)

National Suicide Prevention Lifeline  
800-273-8255

Public Health  
Communications  
COLLABORATIVE

# Mental Health – Suicide Prevention Resources

Suicide is a hard topic to discuss and report on, and a complex public health issue.

There are resources available

- ▶ Michigan-based coalitions, crisis lines, fact sheets, trainings and events listed on the MDHHS website at [Michigan.gov/suicideprevention](https://www.michigan.gov/suicideprevention).
- ▶ The [National Suicide Prevention Lifeline](https://www.suicidepreventionlifeline.org/) number, 800-273-8255, should be included with any news media materials that talk about suicide.

**Media Resources for Suicide Prevention Reporting Toolbox**

- ▶ The American Association of Suicidology toolkit, [Media as Partners in Suicide Prevention](https://www.aasucidology.org/media-as-partners-in-suicide-prevention/) was generated by extensive consultation with journalists and those with lived experience of suicide attempts and thoughts. It contains critical information for all media professionals looking to effectively report on suicide as a topic.
- ▶ [Recommendations for Reporting on Suicide](https://www.suicidepreventionlifeline.org/recommendations-for-reporting-on-suicide/) is a two-page document that was developed with worldwide suicide prevention agencies. It offers specific reporting strategies that could help prevent another suicide or encourage someone to seek help.
- ▶ [The National Action Alliance for Suicide Prevention](https://www.nationalactionalliance.org/) offers several resources on its media messaging page, including “Real Stories” which helps media tell positively framed news stories. The National Action Alliance also has several other categories of information, including a framework for successful messaging which aims to inform organizations how to craft media content about suicide.

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



# HAPPY HOLIDAYS!

ACHD WILL BE CLOSED 12/23 & 12/24.  
NORMAL BUSINESS HOURS WILL RESUME 12/27.

ACHD will be closed  
12/23, 12/24, 12/30  
and 12/31 for the  
holidays.

# Questions?

Questions, concerns, or more information needed?

Please complete an [inquiry form](#)

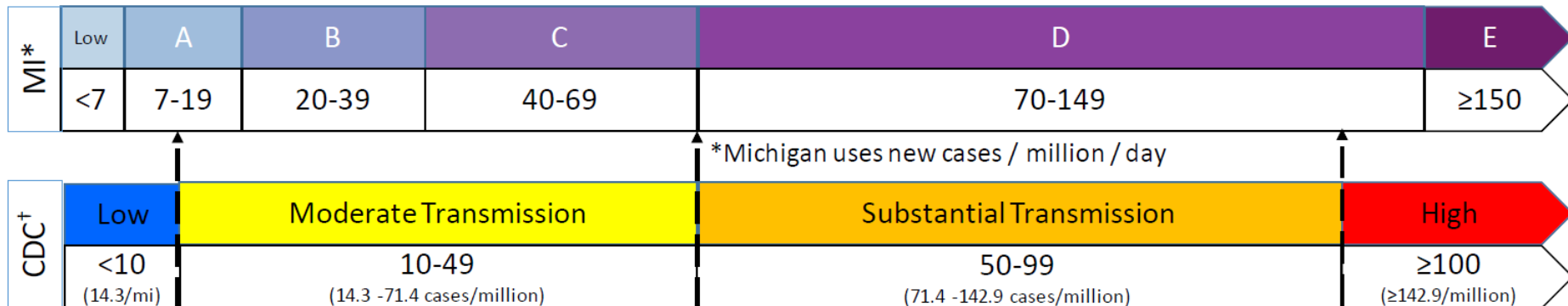


# Appendices

## Appendix A

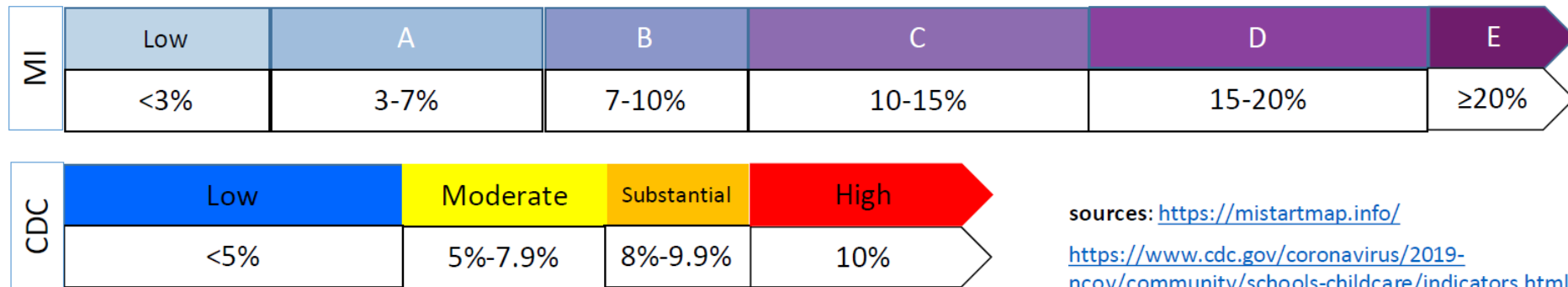
# Comparing CDC community transmission thresholds to MI levels

## 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>



# DICIEMBRE CLÍNICAS DE VACUNACIÓN



VACUNACIÓN DE 5 AÑOS EN ADELANTE

Concierte una cita con anticipación visitando: [www.allegancounty.org/covid](http://www.allegancounty.org/covid)

## Sabado, Diciembre 4 | 10:00am-1:00pm

Se aceptan visitas sin cita previa: 11:00am-12:30pm

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

## Jueves, Diciembre 9 | 5:00pm-7:30pm

Se aceptan visitas sin cita previa: 5:30pm-7:00pm

Starr Elementary School, 601 School Dr,  
Plainwell

## Domingo, Diciembre 12 | 3:00pm-6:00pm

Se aceptan visitas sin cita previa: 4:00pm-5:30pm

Hamilton High School, 4911 136th ave, Hamilton

## Martes, Diciembre 14 | 3:00pm-5:00pm

Se aceptan visitas sin cita previa: 3:30pm-4:30pm

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

## Lunes, Diciembre 20 | 3:00pm-5:00pm

Se aceptan visitas sin cita previa: 3:30pm-4:30pm

Allegan High School, 1560 M-40, Allegan

## Martes, Diciembre 28 | 3:30pm-6:30pm

Se aceptan visitas sin cita previa: 4:00pm-5:30pm

Saugatuck High School, 401 Elizabeth St.,  
Saugatuck

**\*Pfizer-BioNTech, Moderna, y J&J Booster Shots disponibles para aquellos que son elegibles\***

(Los niños de 5 a 17 años necesitarán un padre o tutor legal que los acompañe a su cita para dar su consentimiento para la vacuna COVID-19. Los niños de 5 a 11 años pueden recibir la vacuna pediátrica de Pfizer. Los niños de 12 años en adelante pueden recibir la vacuna de Pfizer.)



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