ALLEGAN COUNTY · 1835 · · 1835 · MICHIGAN

HEALTH
Department

COVID-19 Update
January 12, 2022

Executive Summary: COVID-19 Mass Testing and Containment Plan

MITIGATION ROADMAP

Enhanced Ability to Test → Robust Case Investigation and Contact Tracing → Sufficent Health Care Capacity → Best Practices for Organizations → Treatment and/or Community Vaccination
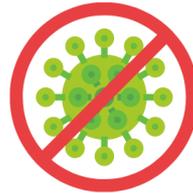
INCIDENT ACTION PLAN OBJECTIVES

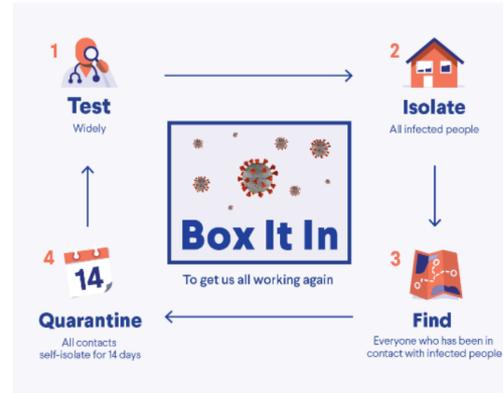1. Identify cases, isolate the sick, quarantine the exposed, and protect vulnerable populations

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

1 Test — Widely

2 Isolate — All infected people

3 Find — Everyone who has been in contact with infected people

4 Quarantine — All contacts self-isolate for 14 days

Box It In
To get us all working again

HEALTHCARE CAPACITY

MINIMIZE ECONOMIC IMPACT

MORTALITY

Allegan County COVID-19 Dashboard
updated weekly on Fridays at 3pm.

▶ NEW LINK:
https://www.arcgis.com/apps/dashboards/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
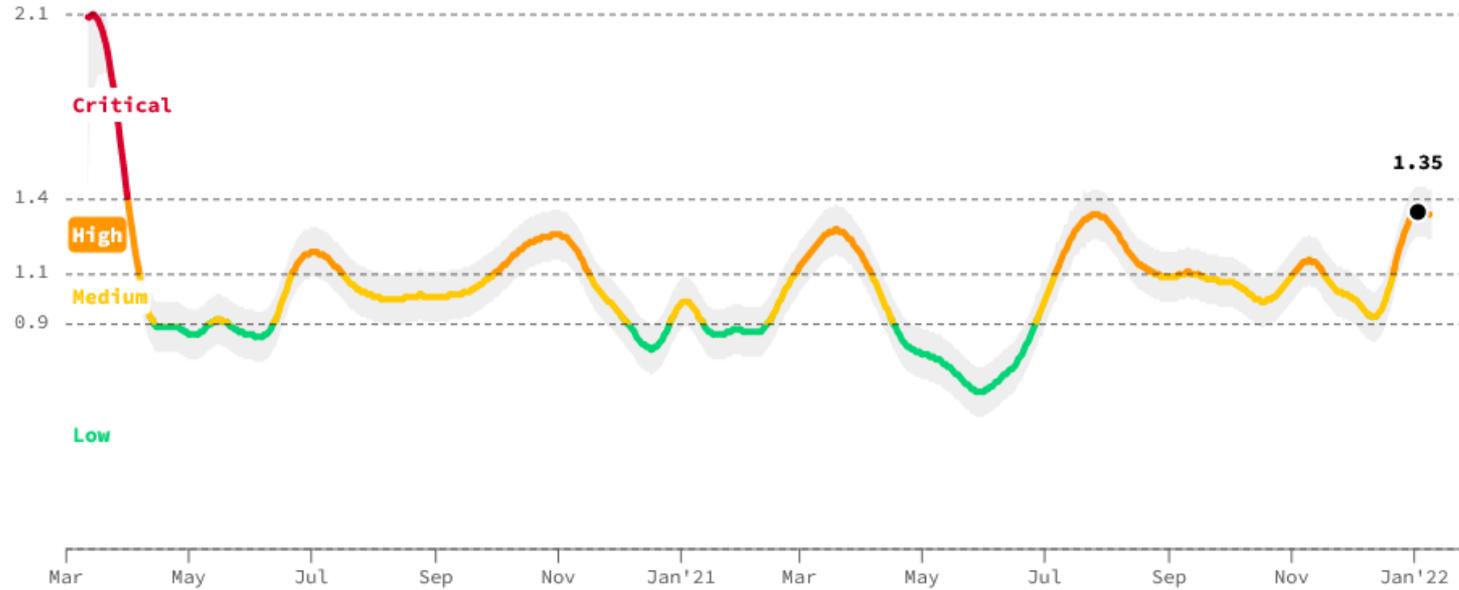
www.michigan.gov/coronavirus

Updated 1/11/22, data from 1/2/22
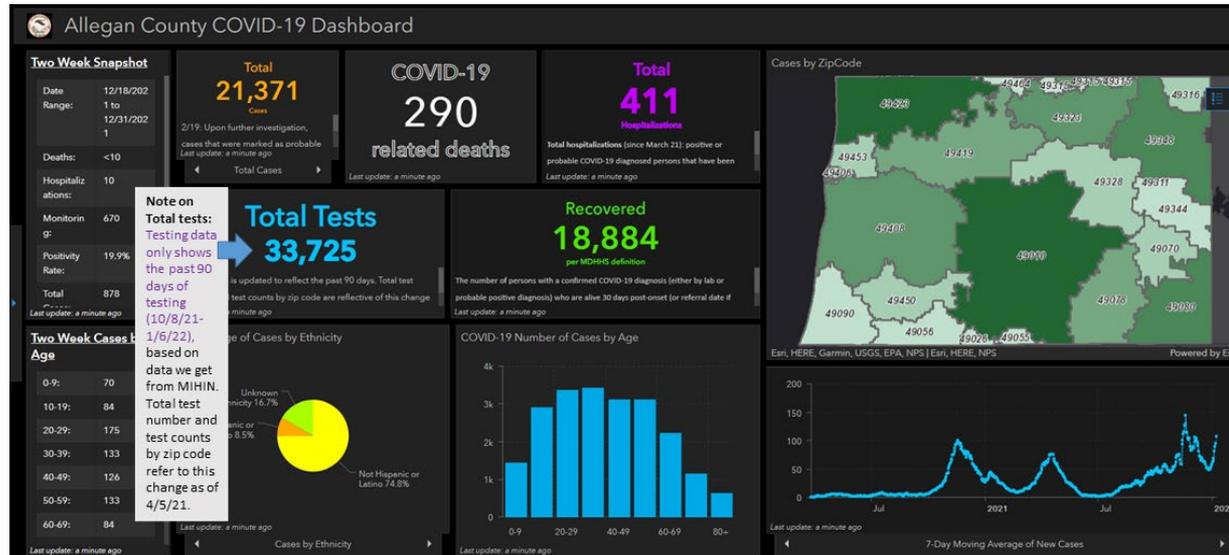
Cases

DAILY NEW CASES	INFECTION RATE	POSITIVE TEST RATE
● **125.7** PER 100K	● **1.36**	● **29.7%**

On average, each person in Allegan County, Michigan with COVID is infecting 1.36 other people. As such, the total number of active cases in Allegan County, Michigan is growing. About this data
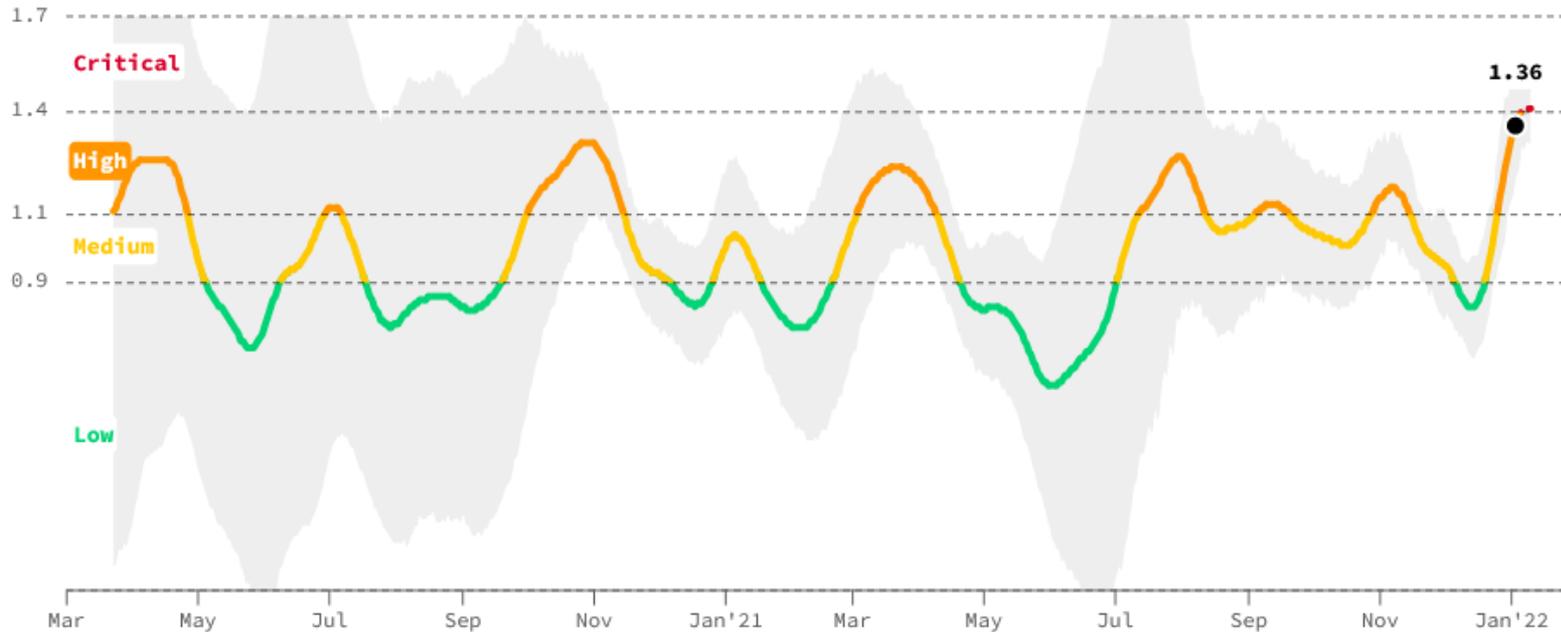
Share ⌁

Updated 1/11/22, data from 1/3/22

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Allegan County, data as of 1/10/2022

Test Positivity
Jan 04 - Jan 10

33.2%
positive tests

3.7k
daily tests
administered
per million

↗ **3 weeks** ⓘ
Dec 17 - Jan 07

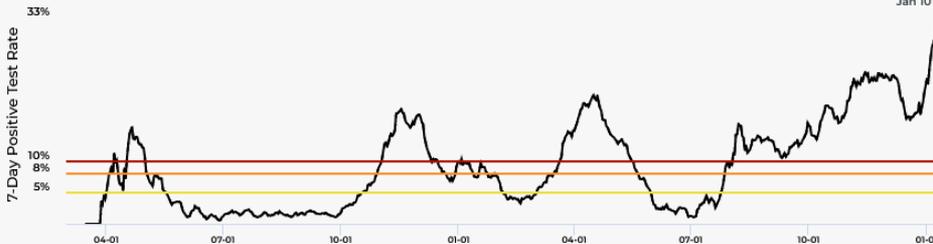**7-Day Positive Test Rate**
ALLEGAN COUNTY

Zoom 1m 3m 6m All

Daily Tests
ALLEGAN COUNTY

Zoom 1m 3m 6m All
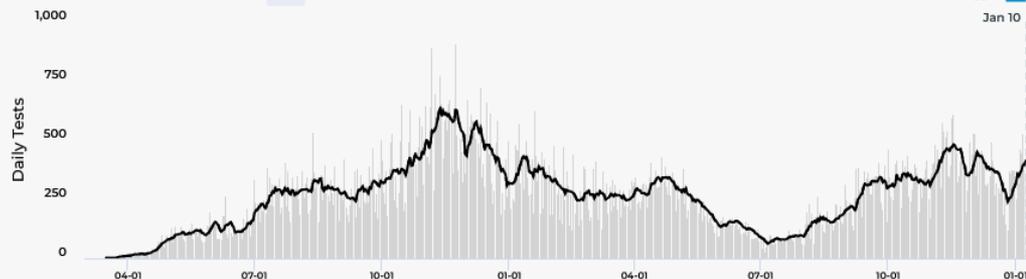
Risk Thresholds (% Positive)

Low: <5% Moderate 5-<8% Substantial 8-<10% High >=10%

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New Cases,

, Allegan County, data as of 1/10/2022
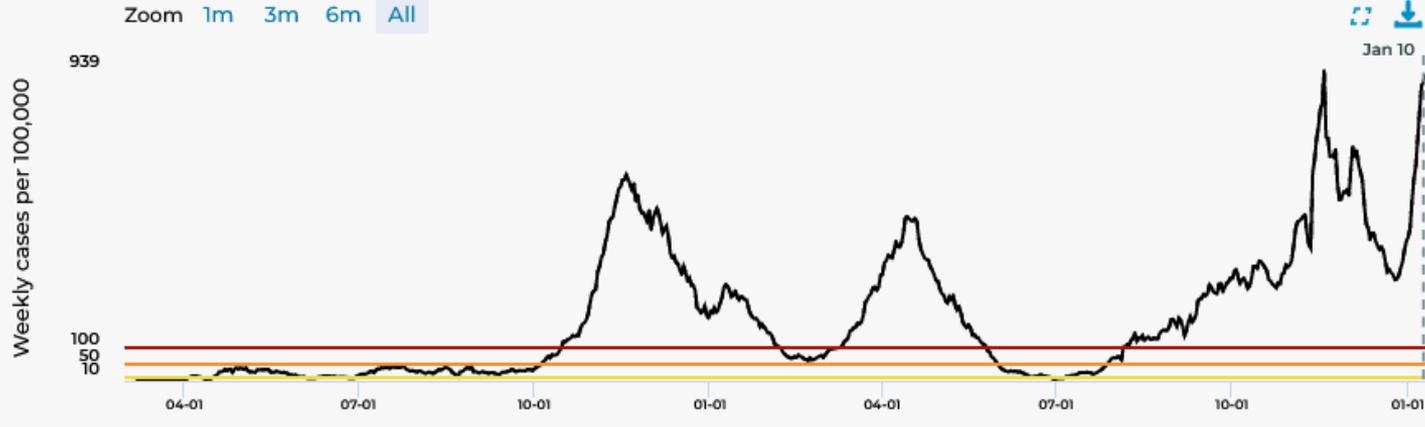
NOTE: Our peak in November 2021 was 939 weekly cases per 100,000 population

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

Allegan County, data as of 1/10/2022

AREA	CDC REGION TRANSMISSION (JAN 04 - JAN 10)	CDC COUNTY TRANSMISSION (JAN 10)	WEEKLY CASES PER 100,000 POPULATION (DEC 28 - JAN 03)	% POSITIVE TESTS (JAN 04 - JAN 10)
Allegan	High	High	553.9	33.2%
Barry	High	High	528	32.8%
Kalamazoo	High	High	910.7	33.7%
Kent	High	High	970.5	38.2%
Ottawa	High	High	624	35.2%
Van Buren	High	High	574.8	35.9%

Overall	Percent
Healthcare Worker	5.4%
Live or work in high-risk/congregate facility	7.1%
First Responder	0.7%
Other Essential Worker/Critical Infrastructure	13.0%
Healthcare Contact to confirmed care	0.5%
Community Contact to confirmed case	8.0%
Household Contact to confirmed case	16.8%

Total Cases: 21,371

Cases Reported in Past two weeks	Percent
In quarantine at time of onset/positive test	4.2%
Associated with known cluster/outbreak	1.3%
Any Contact to confirmed case	15.8%
Healthcare contact to confirmed case	0.9%
Community contact to confirmed case	4.9%
Household contact to confirmed case	11.1%
Attended Community Event/Mass Gathering	1.1%
Any Travel (international, domestic, in state)	4.2%
Source of Infection is unknown	20.4%
Number of cases reported in past 2 weeks: 1,392	

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.

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Data as of 1/7/2022. Source: Michigan Disease Surveillance System

Symptoms	Percent
Fatigue/Lethargy/ Weakness	70.8%
Cough	71.9%
Fever	54.4%
Chills	46.6%
Shortness of breath	23.8%
Muscle aches	57.9%
Headaches	68.5%
Runny Nose	54.8%
Nausea	25.4%
Congestion	64.5%
Sore throat	46.2%
Diarrhea	26.2%
Loss of Taste	44.4%
Loss of Smell	44.8%

Asymptomatic Cases: 11.1%

Total Cases: 21,371

Data as of 1/7/2022. Source: Michigan Disease Surveillance System

Allegan County Case Trends Elementary School Ages 5 to 10
March 2020 through January 7, 2022

As of March 2020,

38.8% were household contact to a confirmed case

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

Total Cases : 1,150

CASES REPORTED IN PAST TWO WEEKS: Data from 12/4/2021 to 1/7/2022

For this section to auto-calculate,
enter the date you exported the data here -----> 01/07/22

mm/dd/yy

Number of Cases reported in past two weeks 49

	Count	% **
In quarantine at time of onset/positive test	11	22.4%
Associated with known cluster/outbreak	0	0.0%
Any contact (HC, Comm, HH) to confirmed case	19	38.8%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	1	2.0%
Household Contact to confirmed case	19	38.8%
Attended Community Event/Mass Gathering	0	0.0%
Any Travel (international, domestic, in state)	3	6.1%
Source of infection is unknown	6	12.2%

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

Allegan County COVID-19 Cases in Ages 5 to 10 by Referral Date

Source: Michigan Disease Surveillance System

Allegan County Case Trends Middle School Ages 11 to13
March 2020 through January 7, 2022

As of March 2020,

37.8% were household contact to a confirmed case

14.3% were asymptomatic cases (no symptoms but tested positive for COVID-19)

CASES REPORTED IN PAST TWO WEEKS: Data from 12/4/2021 to 1/7/2022

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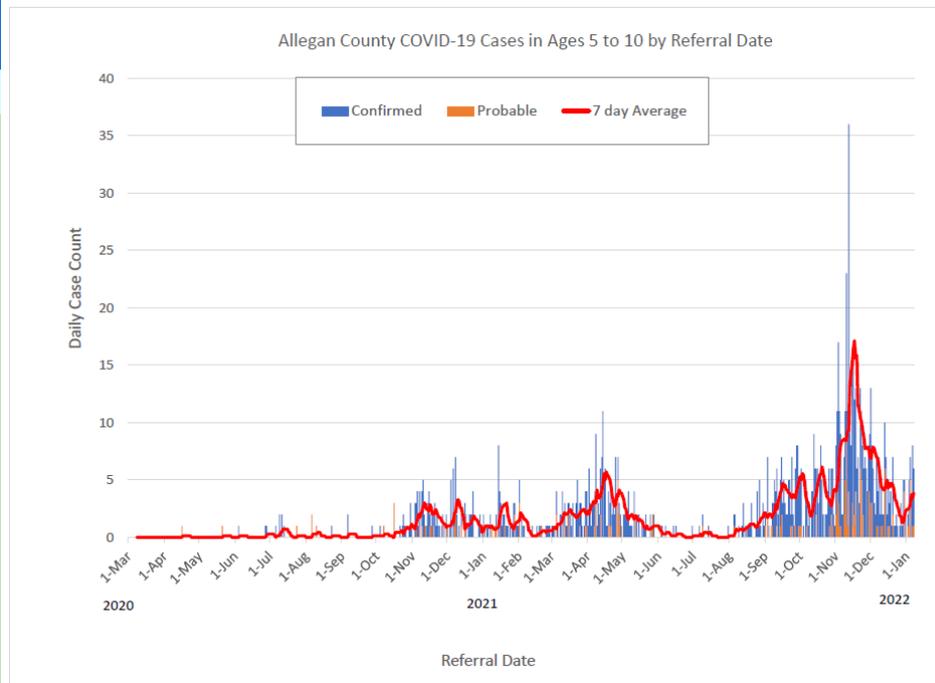enter the date you exported the data here -----> **01/07/22**

mm/dd/yy

	Count	% **
Number of Cases reported in past two weeks	37	
In quarantine at time of onset/positive test	4	10.8%
Associated with known cluster/outbreak	0	0.0%
Any contact (HC, Comm, HH) to confirmed case	14	37.8%
Healthcare Contact to confirmed case	1	2.7%
Community Contact to confirmed case	1	2.7%
Household Contact to confirmed case	12	32.4%
Attended Community Event/Mass Gathering	1	2.7%
Any Travel (international, domestic, in state)	3	8.1%
Source of infection is unknown	4	10.8%

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

Total Cases : 710

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

Source: Michigan Disease Surveillance System

As of March 2020,

24.0% were household contact to a confirmed case

11.6% were asymptomatic cases (no symptoms but tested positive for COVID-19)

CASES REPORTED IN PAST TWO WEEKS: Data from 12/4/2021 to 1/7/2022

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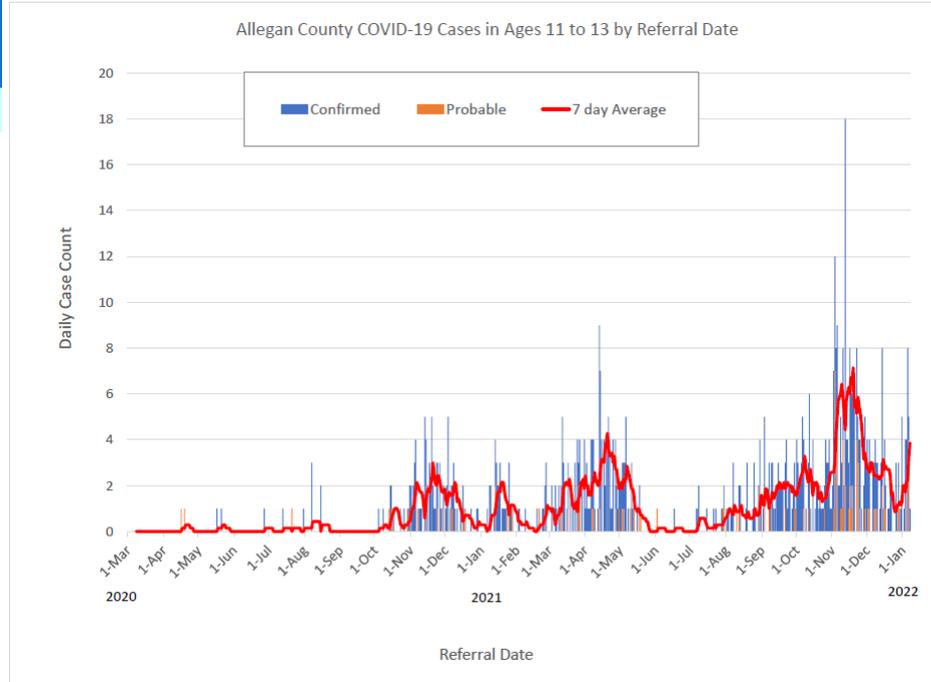enter the date you exported the data here -----> **01/07/22**
mm/dd/yy

		Count	% **
Number of Cases reported in past two weeks		50	
In quarantine at time of onset/positive test		5	10.0%
Associated with known cluster/outbreak		0	0.0%
Any contact (HC, Comm, HH) to confirmed case		12	24.0%
Healthcare Contact to confirmed case		1	2.0%
Community Contact to confirmed case		3	6.0%
Household Contact to confirmed case		10	20.0%
Attended Community Event/Mass Gathering		3	6.0%
Any Travel (international, domestic, in state)		6	12.0%
Source of infection is unknown		11	22.0%

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

Total Cases: 1,298

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

Source: Michigan Disease Surveillance System
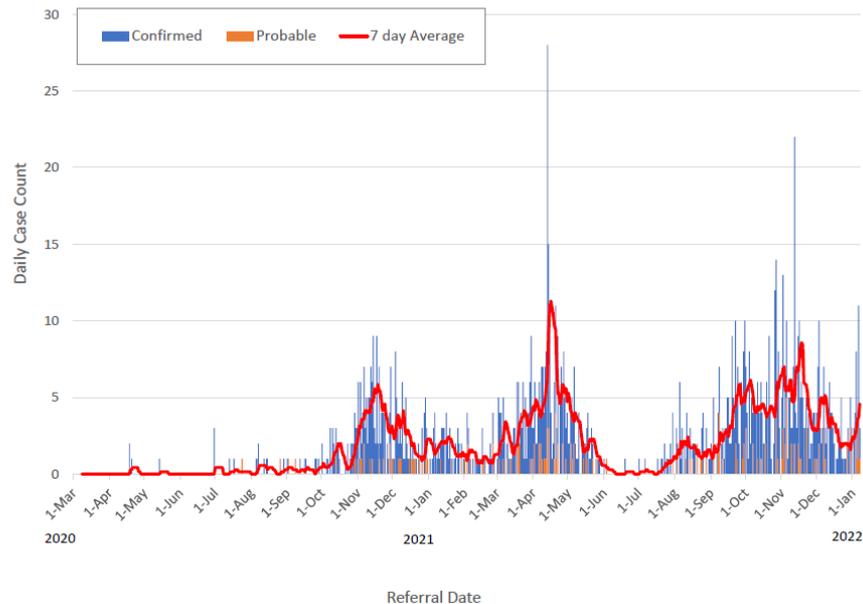
Allegan County Breakdown of Total COVID-19 Cases By School Age (3-17) From March 1, 2020 to January 7, 2022

Breakdown of Cases by School Age Categories

Total Case Count   3384
Number of Cases <18 years 3384
% 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	226	6.7%	6.7%
K-5th grade age	5-10 years	1150	34.0%	34.0%
6-8th grade age	11-13 years	710	21.0%	21.0%
9-12th grade age	14-17 years	1298	38.4%	38.4%

*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) Past 2 Weeks , As of January 7, 2022

Breakdown of Cases by School Age Categories

Total Case Count   147
Number of Cases <18 years 147
% 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	8.8%	8.8%
K-5th grade age	5-10 years	48	32.7%	32.7%
6-8th grade age	11-13 years	37	25.2%	25.2%
9-12th grade age	14-17 years	49	33.3%	33.3%

*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 (12/25/21-1/7/22):

5-10 years: 37.5%

11-13 years: 32.4%

14-17 years: 22.4%

Source: Michigan Disease Surveillance System

K-12 school clusters and outbreaks, recent and ongoing, week ending Dec 29

Number of reported outbreaks/clusters decreased since last week (412 to 365), with decreases in Pre K-Elementary (221 to 195), and High Schools (110 to 102), and Middle/Jr High (81 to 68). Administration (0 to 0) remained the same.

Region	Number of reported cases, # (# Ongoing - Excluding New / # New)	Number of outbreaks	Range of cases per outbreak
Region 1	1,140 / 10	65	2-82
Region 2n	456 / 17	44	5-54
Region 2s	351 / 37	46	3-44
Region 3	2,842 / 14	119	3-100
Region 5	71 / 15	17	3-17
Region 6	291 / 17	43	2-54
Region 7	177 / 0	11	3-51
Region 8	378 / 0	20	3-51
Total	**5,706 / 110**	**365**	**2-99**

Grade level	Number of reported cases, # (# Ongoing - Excluding New / # New)	Number of outbreaks	Range of cases per outbreak
Pre-school - elem.	2,279 / 67	195	2-62
Jr. high/middle school	1,221 / 0	68	3-82
High school	2,206 / 43	102	2-100
Administrative	0 / 0	0	4
Total	**5,706 / 110**	**365**	**2-99**

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. Week of 12/16 98% LHDs reporting due to technical difficulties. 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
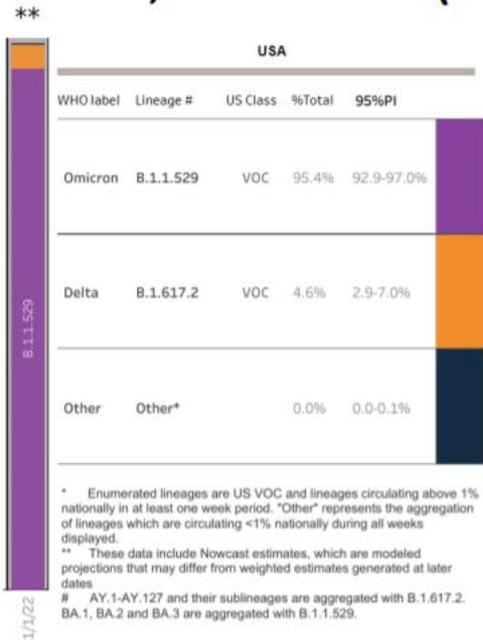
Source: LHD Weekly Sitreps

As of 1/6/22, ACHD has identified **4 ongoing** outbreaks and **1 new** outbreaks.
- 1 Child Care/ Youth Program
- 3 Business settings
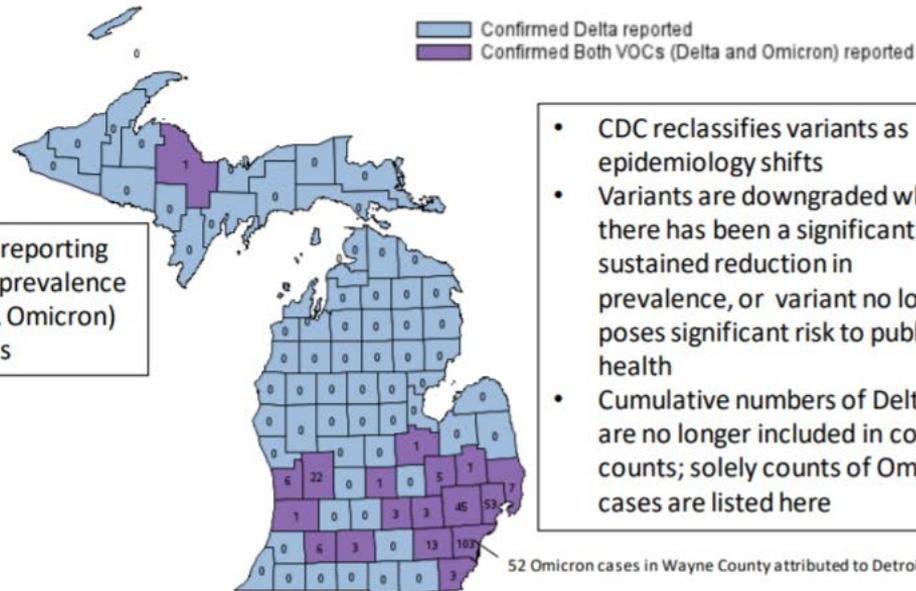- 1 Long term care facilities (LTCF)

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

SARS-CoV-2 Variants Circulating in the United States, Dec 26 – Jan 1 (NOWCAST) **

WHO label	Lineage #	US Class	%Total	95%PI
Omicron	B.1.1.529	VOC	95.4%	92.9-97.0%
Delta	B.1.617.2	VOC	4.6%	2.9-7.0%
Other	Other*		0.0%	0.0-0.1%

Currently, CDC is reporting rapid increase in prevalence of B.1.1.529 (i.e., Omicron) over past 3 weeks

*   Enumerated lineages are US VOC and lineages circulating above 1% nationally in at least one week period. "Other" represents the aggregation of lineages which are circulating <1% nationally during all weeks displayed.
**   These data include Nowcast estimates, which are modeled projections that may differ from weighted estimates generated at later dates
#   AY.1-AY.127 and their sublineages are aggregated with B.1.617.2. BA.1, BA.2 and BA.3 are aggregated with B.1.1.529.

Data last updated Jan 3, 2022
Source: MDSS
¶ Sequence specimens are from the most recent week by onset date which may change as more specimens are sent in

Variants of Concern in Michigan, Jan 3

Legend:
- Confirmed Delta reported
- Confirmed Both VOCs (Delta and Omicron) reported

- CDC reclassifies variants as epidemiology shifts
- Variants are downgraded when there has been a significant and sustained reduction in prevalence, or variant no longer poses significant risk to public health
- Cumulative numbers of Delta are no longer included in county counts; solely counts of Omicron cases are listed here

52 Omicron cases in Wayne County attributed to Detroit City

Variant	MI Reported Cases	# of Counties	MDHHS VOC Sequenced Prev. ¶
B.1.617.2 (delta)	29,704	83	68.1%
B.1.1.529 (omicron)	289	18	31.9%

Allegan County has **2** reported Omicron variant cases (as of 1/10/22). **Note: not every positive case is serosequenced for a variant.**

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We have the tools to fight Omicron:

- A well-fitting mask can offer protection against 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
  - Stay home if you are sick, and self-isolate until you recover if you develop symptoms or test positive.
  - There are **free** drive-thru testing events for the public (Mondays, Wednesdays, and Fridays 12pm-5pm at the Allegan County Transportation Building)

Why Cloth Masks Might Not Be Enough as Omicron Spreads

Time it takes to transmit an infectious dose of Covid-19

		PERSON NOT INFECTED IS WEARING		
PERSON INFECTED IS WEARING		Nothing	Cloth mask	Surgical mask	N95
	Nothing	15 min.	20 min.	30 min.	2.5 hours
	Cloth mask	20 min.	27 min.	40 min.	3.3 hours
	Surgical mask	30 min.	40 min.	1 hour	5 hours
	N95	2.5 hours	3.3 hours	5 hours	25 hours

It will take 25 hours for an infectious dose of Covid-19 to transmit between people wearing non-fit-tested N95 respirators. If they're using tightly sealed N95s—where only 1% of particles enter the facepiece—they will have 2,500 hours of protection.

Note: Results published in Spring 2021. The CDC expects the Omicron variant to spread more easily.
Source: ACGIH's Pandemic Response Task Force

- ACHD sent a Memorandum on 1/11/22 to Community and School Leaders requesting masking until this surge subsides and we are no longer in high community transmission.

- Upgrading masks is an important item to consider with the Omicron variant, as cloth masks are showing not being enough against Omicron. KN95 and N95 masks for adults and children are more readily available for purchase now compared to the early days in the pandemic. The figure to the left shows the time it takes to transmit an infectious dose of COVID-19 when an infected person is wearing a mask and a not infected person is wearing a mask. It will take 25 hours for an infectious dose of COVID-19 to transmit between people wearing non-fit tested N95 respirators.

What Mask Should I Wear?

Along with getting vaccinated and boosted, experts recommend upgrading your mask if you want optimal protection.
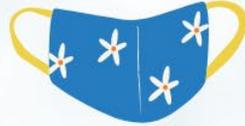
No Protection ← → **Some Protection** **Most Protection**

No Mask or Improper Use

- Mask should fit over your nose and mouth and be snug against your face with no gaps
- Don't use masks that are damp, dirty or damaged
- Don't wear masks with exhalation valves, which allow virus particles to escape

Cloth Masks

- Washable and reusable. Masks should be washed at least once a day or as soon as they become dirty
- Multiple layers of woven, breathable fabric

Surgical Masks

- Disposable, intended for one time use
- Multiple layers of non-woven material
- Provides protection against large droplets

High Filtration Masks

(Respirators – N95, KN95, KF94)

- Varies by mask type, but reusable up to 5 times with proper care
- Filters up to 95% of particles in the air
- Seals tightly to the face when fitted properly (some facial hair can interfere with this seal)
- Designed and regulated to meet international standards. Check lists of trusted manufacturers from CDC and Project N95 to avoid counterfeit masks

(!) If you don't have access to a high filtration respirator mask, double up. Single layer masks, such as bandanas and gaiters, are less effective, so wear a cloth mask with multiple layers or wear a cloth mask over a surgical mask. Be sure your mask fits properly—nose wires improve fit.

- Many Allegan County residents access hospital services in the Grand Rapids and Kalamazoo Regions.

- Grand Rapids Region (Region 6)
  - 19.5% of inpatient beds are treating COVID-19 patients

- Kalamazoo Region (Region 5)
  - 23.8% of inpatient beds are treating COVID-19 patients

Data as of 1/10/22
Source: https://mistartmap.info
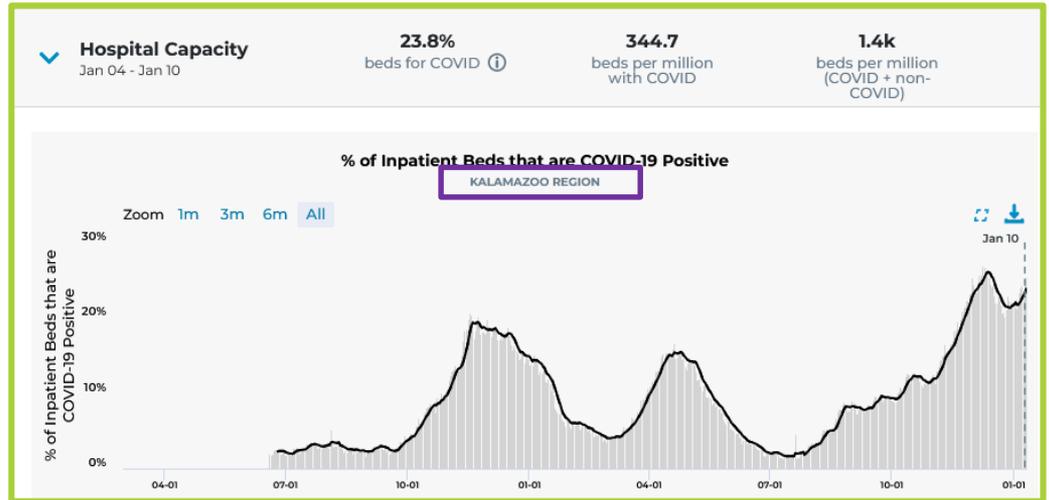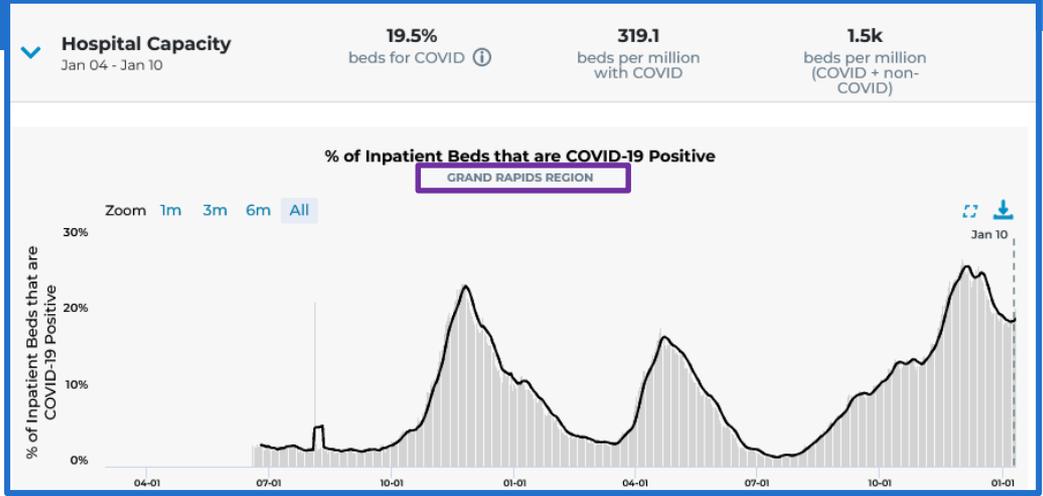
Sufficient Health Care Capacity

Region 5: Allegan/Kalamazoo Hospital Systems
Region 6: Grand Rapids/Ottawa Hospital Systems

Statewide Hospital Capacity Report COVID-19 1/10/2022*

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	1728	1660	1329	1142	1300	1120	179	141	174	136
Region 6	3322	2782	2803	2303	2454	2039	452	364	299	242

Region 5: **85.9% of inpatient beds are occupied**
Region 6: **82.6% of inpatient beds are occupied**

COVID-19 Metrics 1/10/2022								
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	330 ⬆	324 ⬆	3 ⬇	3 ↔	29 ⬇	48 ⬇	48 ⬇	310 ⬆
Region 6	530 ⬍	518 ⬇	15 ⬆	14 ⬆	103 ⬇	129 ⬇	128 ⬇	330 ⬆

Note: Arrows indicate %change from previous ACHD update

Hospitals in our Area, Patient Census

Hospital	COVID-19 Patients	COVID-19 Patients in ICU	Bed Occupancy %
Ascension Borgess Allegan Hospital	4	0	32%
Ascension Borgess Hospital	52	10	100%
Ascension Borgess-Pipp Hospital	0	0	53%
Bronson Methodist Hospital	90	7	96%
Bronson South Haven	1	0	100%
Holland Community Hospital	28	4	100%
Mercy Health Mercy Campus	70	21	86%
Mercy Health St. Mary's Main Campus	45	10	79%
Metro Health Hospital	48	6	92%
Spectrum Health - Blodgett Hospital	96	23	97%
Spectrum Health - Butterworth Hospital	139	48	92%
Spectrum Health - Zeeland Hospital	18	2	76%
Spectrum Helen DeVos Children's Hospital	14	0	78%
Data as of 1/10/2022			

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

# Statewide Hospitalization Trends: Pediatric COVID+ Census

Hospitalization Trends 1/1/2021 – 1/3/2022
Pediatric Hospitalizations, Confirmed
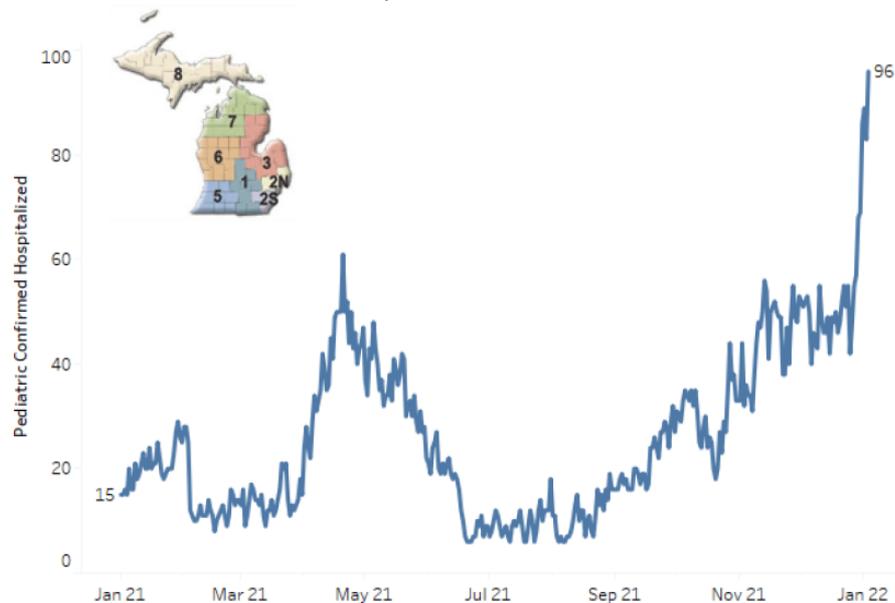
Pediatric hospitalizations have risen significantly with the COVID+ census nearly doubling since last week and reaching a new record for the pandemic.

The increase is predominantly in Region 2S where two of the state's largest Children's hospitals are located.

Pediatric Hospitalizations by Region
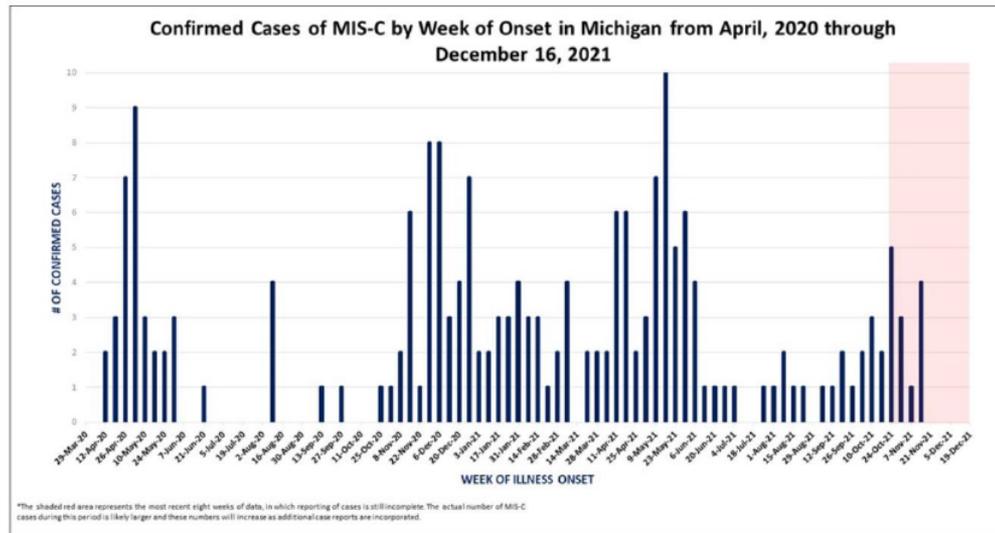### (Nov 2021-Jan 2022)
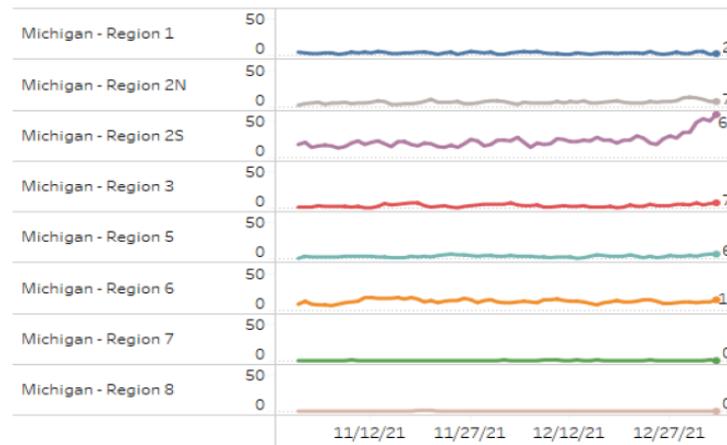
From 9/1/21 – 1/10/21, there have been 9 pediatric Allegan County residents hospitalized related to COVID-19

Multisystem Inflammatory Syndrome in Children (MIS-C)

Michigan Surveillance

- Higher community transmissions is followed by higher incidence of MIS-C cases

- 196 cases identified in Michigan

- More than 60% of those children are elementary and pre-school aged

- Black/African American children are disproportionately impacted

- 70.4% children with MIS-C are treated in the ICU

There have been 0 reported MIS-C cases in Allegan County

Confirmed Cases of MIS-C by Week of Onset in Michigan from April, 2020 through December 16, 2021

*The shaded red area represents the most recent eight weeks of data, in which reporting of cases is still incomplete. The actual number of MIS-C cases during this period is likely larger and these numbers will increase as additional case reports are incorporated.

Red shading indicates the expected reporting lag for new cases. Cases with onset dates in this time period may not have been detected or reported yet.

DEMOGRAPHIC INFORMATION (N=196)

Age Group	Count	%	Race	Count	%
0-4 yrs	50	25.5%	Black/African American	78	39.8%
5-10 yrs	79	40.3%	Caucasian	83	42.3%
>10 yrs	67	34.2%	All Others / Unknown	35	17.9%
Gender	Counts	%	Ethnicity	Count	%
Male	117	59.7%	Not Hispanic or Latino	142	72.4%
Female	79	40.3%	Hispanic or Latino	16	8.2%
Unknown	0	0.0%	Unknown	38	19.4%

Source: MDHHS and MIS-C Data and Reporting; Data through 12/16

Source: MDHHS January 4 Data Update

Allegan County VACCINE DATA

Updated 1/10/22
Data as of 1/7/22

COVID-19 Vaccine

65.7%

70% OF ELIGIBLE INDIVIDUALS* VACCINATED BY END OF 2021

*Allegan County residents age 16+

Not Met

0 individuals aged 16+

93,149 individuals aged 16+
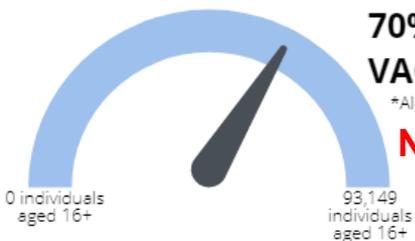
As of January 7, **66,039** people have been vaccinated**

59.5%

n=110,914 (a)

17,935 people ages 65 and older have been vaccinated**

89.2%

n=20,099

**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 (54.6%).

Over 4 in 5 individuals aged 65 and older are fully vaccinated (82.5%).

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

Total Doses Distributed*
127,710

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

Primary Series Doses Administered*
120,262

Additional/Booster Doses Administered*
28,734

*based on person's residence.

PLANNED CLINICS
ACHD has vaccine clinics available by appointment only at the health department.
To schedule an appointment, visit www.allegancounty.org/covid

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.
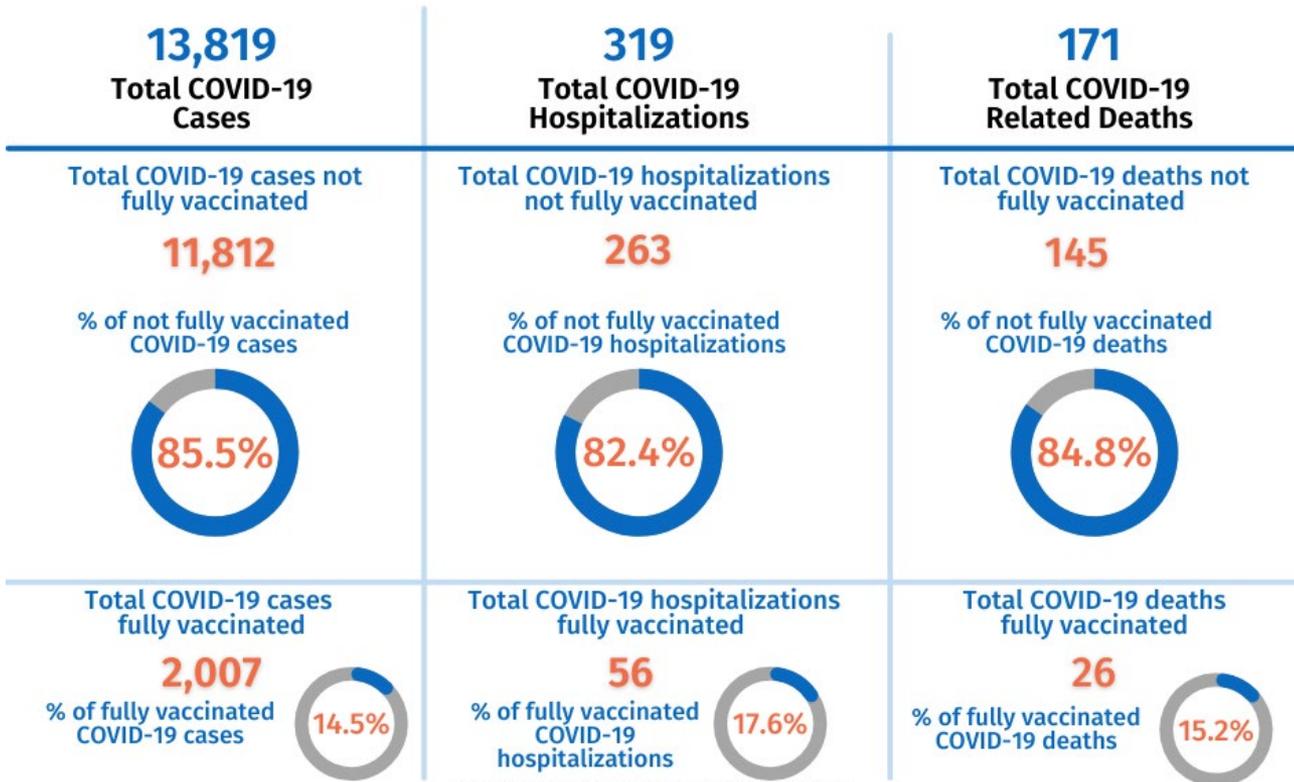
ALLEGAN COUNTY HEALTH Department

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
Case Data by Vaccination Status
ALL AGES

Updated 1/10/2022
Data as of 12/17/21

Since January 2021, there have been:

13,819	319	171
Total COVID-19 Cases	**Total COVID-19 Hospitalizations**	**Total COVID-19 Related Deaths**
Total COVID-19 cases not fully vaccinated	Total COVID-19 hospitalizations not fully vaccinated	Total COVID-19 deaths not fully vaccinated
11,812	263	145
% of not fully vaccinated COVID-19 cases	% of not fully vaccinated COVID-19 hospitalizations	% of not fully vaccinated COVID-19 deaths
85.5%	82.4%	84.8%
Total COVID-19 cases fully vaccinated	Total COVID-19 hospitalizations fully vaccinated	Total COVID-19 deaths fully vaccinated
2,007	56	26
% of fully vaccinated COVID-19 cases 14.5%	% of fully vaccinated COVID-19 hospitalizations 17.6%	% of fully vaccinated COVID-19 deaths 15.2%

Data from January 1, 2021 to December 17, 2021
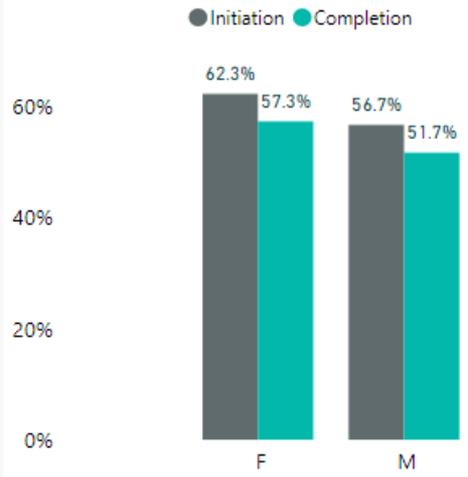
Allegan County COVID-19 Fully Vaccinated Cases vs. Unvaccinated cases from 01/01/2021 to 12/17/21
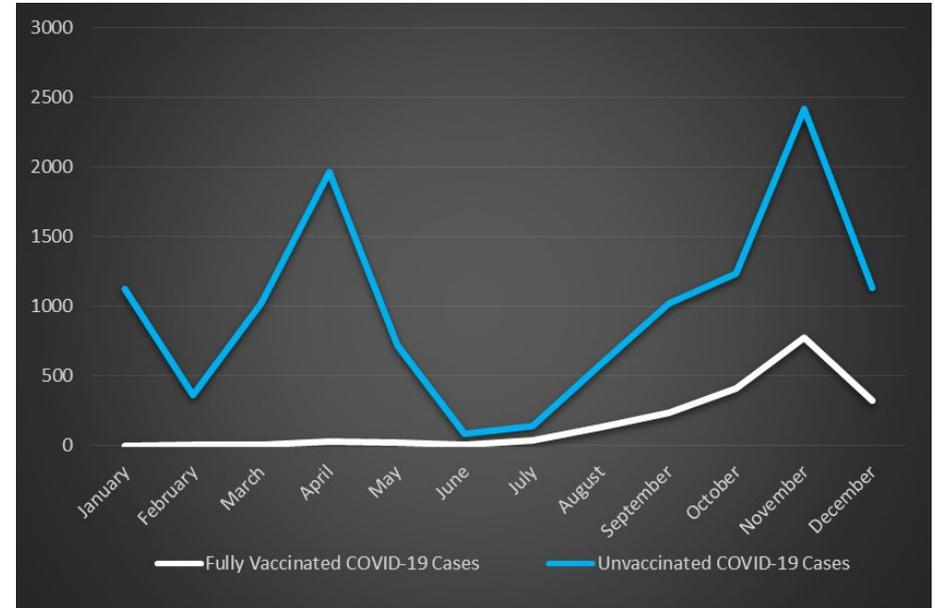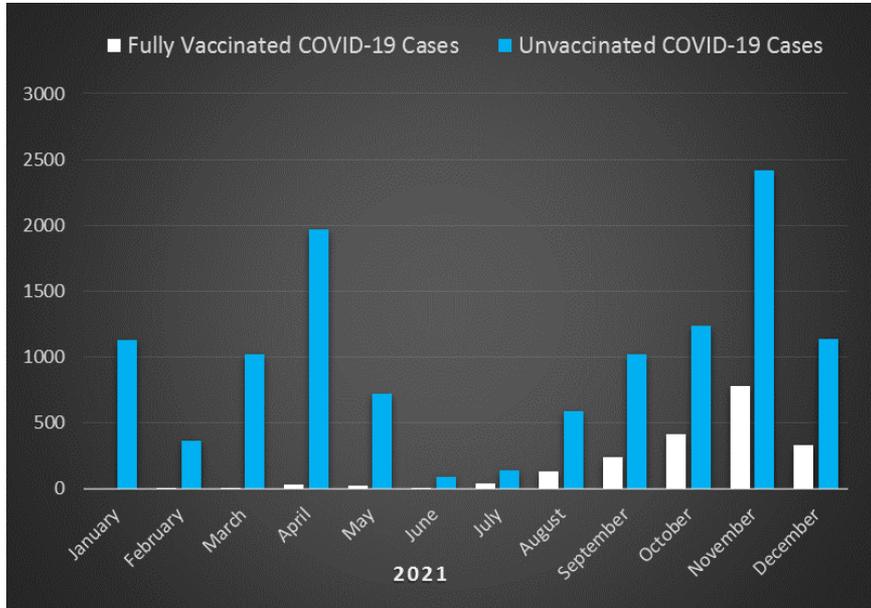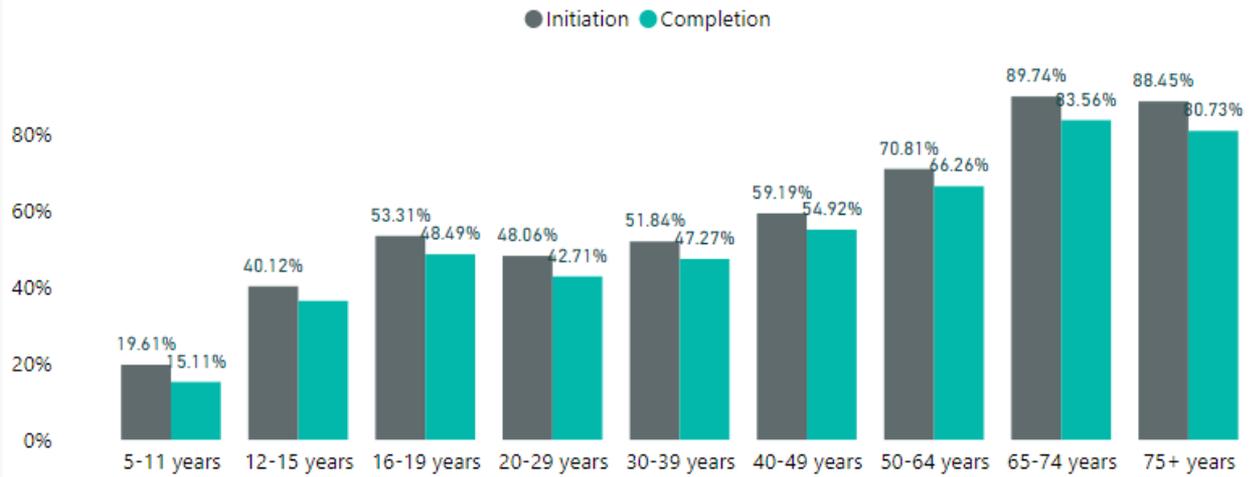

The graphs above show a comparison of fully vaccinated cases and unvaccinated cases on a monthly basis. As the graph indicates, the number of breakthrough cases have increased since July 2021. However, the number of unvaccinated cases have continued to outnumber the fully vaccinated cases each month.

27

Allegan County Vaccination by Gender and Age Group, As of January 7, 2022

COVID Vaccine Coverage by Sex

● Initiation ● Completion

- F: 62.3% / 57.3%
- M: 56.7% / 51.7%

COVID Vaccine Coverage by Age Group

● Initiation ● Completion

Age Group	Initiation	Completion
5-11 years	19.61%	15.11%
12-15 years	40.12%	(36%)
16-19 years	53.31%	48.49%
20-29 years	48.06%	42.71%
30-39 years	51.84%	47.27%
40-49 years	59.19%	54.92%
50-64 years	70.81%	66.26%
65-74 years	89.74%	83.56%
75+ years	88.45%	80.73%

Age 5-11
Initiated: 2,164: 19.61%
Completed: 1,668: 15.11%

Age 12-15
Initiated: 2,700: 40.12%
Completed: 2,443: 36.3%

Age 16-19
Initiated: 3,079: 53.31%
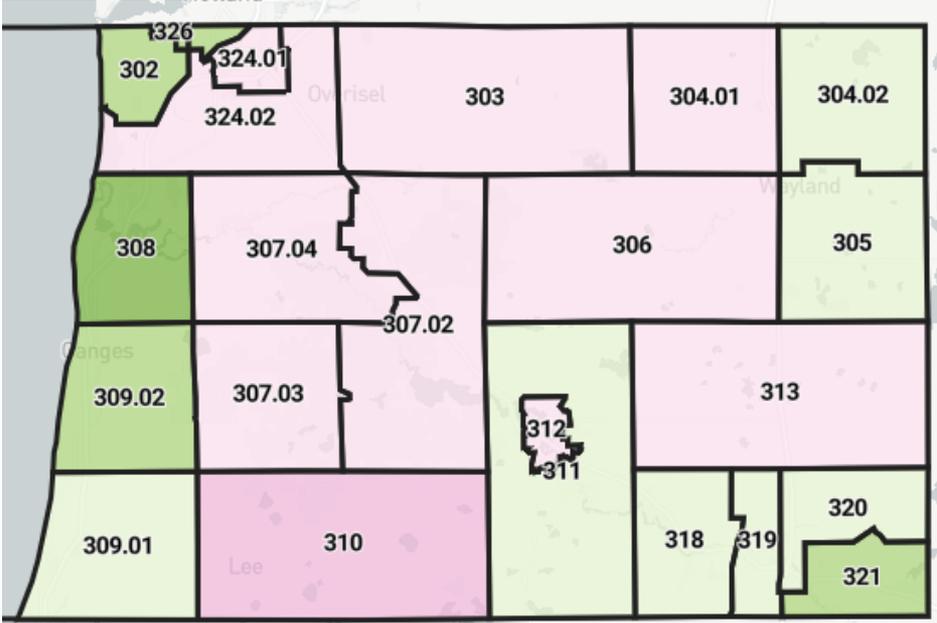Completed: 2,801: 48.5%

Definitions:
Initiation: Percentage who have received either 1 or more doses of ANY vaccine.
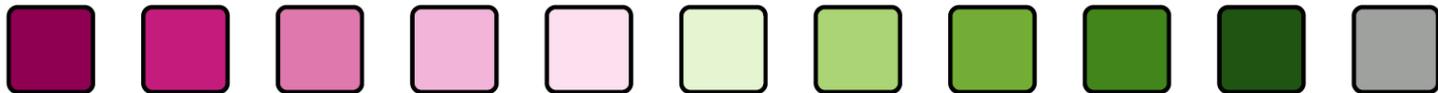**Completion:** Percentage of Allegan County Residents receiving 2 doses of Pfizer or Moderna or 1 dose of J&J.

Source: Michigan Disease Surveillance System; MI COVID-19 Vaccine Dashboard
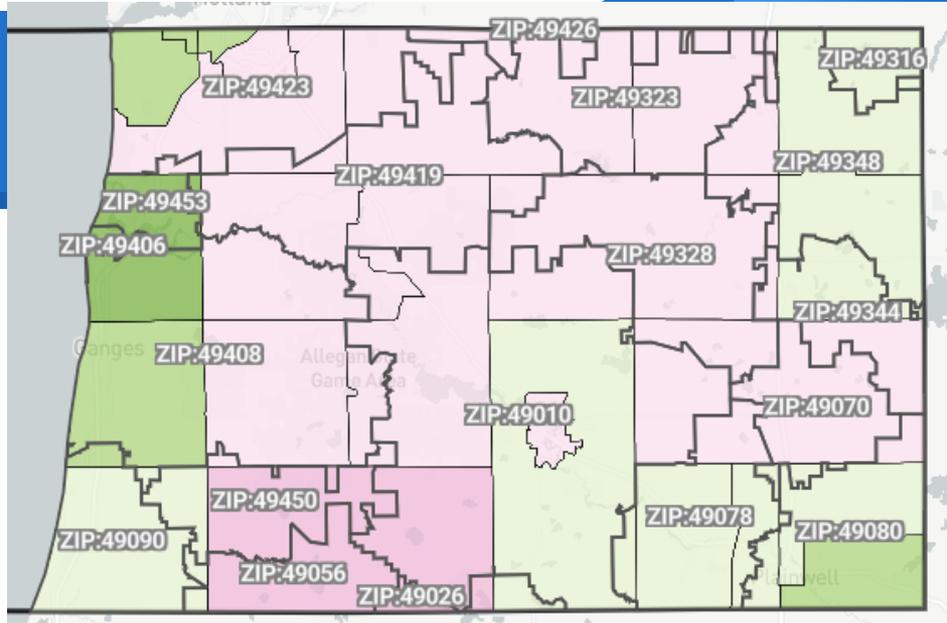
Color coded by: Fully Vaccinated (% Population)

| 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 and booster

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

30

TOOLS THAT HELP PREVENT COVID-19 IN SCHOOLS/BUSINESSES

Vaccination

Sufficient
Health Care Capacity

Treatment
(Monoclonal Antibody Treatment
(MABs), Antiviral medication)

Testing/Screening

Best Practices
(**mask wearing**, social distancing,
enhanced cleaning, handwashing,
staying home when sick

Contact Tracing/Case Investigation

ACHD is imploring community leaders to implement universal masking in indoor public spaces into the near future.
We need to not only decrease transmission, but protect hospital capacity, businesses can provide services without interruptions, and minimize unintended financial impacts to families in our community.

Federal OSHA's COVID-19 Emergency Temporary Standard for Vaccination and Testing

▶ Since the 6th Circuit lifted the stay on Federal OSHA's COVID-19 Emergency Temporary Standard for Vaccination and Testing 1910.501 (ETS2), applications have been filed with the U.S. Supreme Court for another emergency stay. It is anticipated that the U.S. Supreme Court will rule on the emergency stay by mid-January 2022. **Federal OSHA is requiring state plan states like Michigan to adopt ETS2 or equivalent by January 24, 2022.** The agency is closely monitoring the legal challenges while preparing for the deadline to adopt ETS2 to align with federal standards.

▶ To help workplaces prepare to comply with ETS2 and to answer questions, employers and employees can find helpful FAQs, fact sheets, templates and other helpful resources on the Federal OSHA website at OSHA.gov/Coronavirus. These resources include information on properly counting employees, customizable template plans employers can use for vaccine or testing strategies, and other important guidance.

https://www.michigan.gov/leo/0,5863,7-336-100207---,00.html
https://www.osha.gov/coronavirus/ets2

EMERGENCY TEMPORARY STANDARD

COVID-19 Healthcare ETS

Statement on the Status of the
OSHA COVID-19 Healthcare ETS

(December 27, 2021)

On June 21, 2021, OSHA adopted a Healthcare Emergency Temporary Standard (Healthcare ETS) protecting workers from COVID-19 in settings where they provide healthcare or healthcare support services. 86 FR 32376. Under the OSH Act, an ETS is effective until superseded by a permanent standard – a process contemplated by the OSH Act to occur within 6 months of the ETS's promulgation. 29 U.S.C. 655(c).

OSHA announces today that it intends to continue to work expeditiously to issue a final standard that will protect healthcare workers from COVID-19 hazards, and will do so as it also considers its broader infectious disease rulemaking. However, given that OSHA anticipates a final rule cannot be completed in a timeframe approaching the one contemplated by the OSH Act, OSHA also announces today that it is withdrawing the non-recordkeeping portions of the healthcare ETS. The COVID-19 log and reporting provisions, 29 CFR 1910.502(q)(2)(ii), (q)(3)(ii)-(iv), and (r), remain in effect. These provisions were adopted under a separate provision of the OSH Act, section 8, and OSHA found good cause to forgo notice and comment in light of the grave danger presented by the pandemic. See 86 FR 32559.

With the rise of the Delta variant this fall, and now the spread of the Omicron variant this winter, OSHA believes the danger faced by healthcare workers continues to be of the highest concern and measures to prevent the spread of COVID-19 are still needed to protect them. Given these facts, and given OSHA's anticipated finalization of this rule, OSHA strongly encourages all healthcare employers to continue to implement the ETS's requirements in order to protect employees from a hazard that too often causes death or serious physical harm to employees.

As OSHA works towards a permanent regulatory solution, OSHA will vigorously enforce the general duty clause and its general standards, including the Personal Protective Equipment (PPE) and Respiratory Protection Standards, to help protect healthcare employees from the hazard of COVID-19. The Respiratory Protection Standard applies to personnel providing care to persons who are suspected or confirmed to have COVID-19. OSHA will accept compliance with the terms of the Healthcare ETS as satisfying employers' related obligations under the general duty clause, respiratory protection, and PPE standards. Continued adherence to the terms of the healthcare ETS is the simplest way for employers in healthcare settings to protect their employees' health and ensure compliance with their OSH Act obligations.

OSHA believes the terms of the Healthcare ETS remain relevant in general duty cases in that they show that COVID-19 poses a hazard in the healthcare industry and that there are feasible means of abating the hazard. OSHA plans to publish a notice in the Federal Register to implement this announcement.

ACHD surveying local organizations : LAST CHANCE

▸ We are looking for areas for opportunities for improvement to support our local organizations. Please consider taking 5 minutes to fill out this survey. Your insight and feedback is extremely valuable to us.

ACHD Prioritized Strategy: Testing

- Based on demand and access for community members, ACHD has worked to **increase testing availability** in our County and **decrease the number of vaccine clinics** ACHD offers.
  - Vaccines will still be available by appointment at the Health Department main location.
    - Our Calendar is up to date with scheduling links on clinic days
    - There are many other places for individuals to access vaccines – visit www.vaccines.gov
  - There are **free** drive-thru testing events for the public (Mondays, Wednesdays, and Fridays 12pm-5pm at the Allegan County Transportation Building)

Updated COVID-19 Quarantine & Isolation Guidelines

- On December 27, 2021, the Centers for Disease Control and Prevention (CDC) issued updated guidance which shortened the recommended isolation period for someone with COVID-19, as well as quarantine guidance for those exposed to someone with COVID-19. You can read the CDC's statement on the changes here. See CDC's Isolation and Quarantine guidance here.

- On January 10, 2022, MDHHS issued updated K-12 quarantine and isolation guidance, aligning with the CDC. You can read MDHHS's updated guidance here.

- We have modified our isolation and quarantine guidance, effective immediately, to align with these new changes.

Updated COVID-19 Isolation and Quarantine Guidance

Adapted from CDC guidance 1/11/22

You isolate when you are sick or when you have been infected with the virus, even if you don't have symptoms.

You quarantine and stay away from others when you have been in close contact with someone who has COVID-19.

Isolation
If you tested positive for COVID-19 or have symptoms, regardless of vaccination status:

- Stay home for 5 days.
- If you have no symptoms or your symptoms are resolving after 5 days, you can leave your house. (Fever free for 24 hours without use of fever reducing medication)
- Continue to wear a mask around others for 5 additional days.
- If you have a fever, continue to stay home until your fever resolves.
- Avoid travel & avoid being around people who are at high risk

If you were severely ill with COVID-19:
- You should isolate for at least 10 days. Consult your doctor before ending isolation.

Quarantine
If you were exposed to someone with COVID-19

Regardless of vaccination status, take precautions for 10 days after exposure with someone who has COVID-19:
- **Watch for symptoms**
- **Wear a well fitting mask for 10 full days after exposure, do not go places where you are unable to mask**
- **Avoid travel**
- **Avoid being around people who are at high risk**
- **If you develop symptoms, isolate immediately and get tested. Continue to stay home until you know your results and wear a mask around others**

If you were exposed to COVID-19 and are NOT up-to-date on COVID-19 vaccinations then you should:

- Stay home and quarantine for at least 5 full days.
- Get tested: Even if you don't develop symptoms, get tested at least 5 days after you last had close contact with someone with COVID-19.

OR

If you were exposed to COVID-19 and are up-to-date with vaccination OR had confirmed COVID-19 within the past 90 days:

- You do not need to stay home unless you develop symptoms.
- Get tested: Even if you don't develop symptoms, get tested at least 5 days after you last had close contact with someone with COVID-19

HEALTH Department

★ = Continue to mask around others

= Test after 5 days, if possible

Everyone 12 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. A booster can help keep us and communities protected.

If you are 12+ years and got your initial doses of **Pfizer** at least **5 months ago**, you are now eligible for another dose.*

If you are 18+ years and got your initial doses of **Moderna** at least **5 months ago**, you are now eligible for another dose.*

If you are 18+ years and got your initial dose of **Johnson & Johnson** at least **2 months ago**, you are eligible for another dose.*

*Talk to your health care provider to decide which booster vaccine is right for you.
Pfizer is the only vaccine authorized and recommended for those 12 through 17.

MDHHS
Michigan Department of Health & Human Services

For help finding a vaccination site, visit Michigan.gov/COVIDVaccine or call 2-1-1.
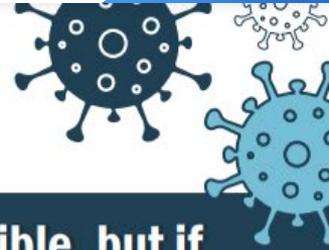
When supporting a business, store or restaurant:

- Consider taking advantage of **delivery and pickup services** when available.

- If visiting a business in-person, consider supporting businesses with **safety precautions** in place including masking, testing and distancing requirements for staff and patrons.

- Wear a well-fitting **mask** properly regardless of vaccination status, in accordance with MDHHS' mask advisory.

Avoid large gatherings if possible, but if unavoidable use the following precautions:

(Examples include conferences, sporting events, festivals, concerts, or large weddings and parties.)

- **Do not** attend a large gathering or event if ill or within 10 days of testing positive for COVID-19.

- Wear a well-fitting **mask** properly regardless of vaccination status, in accordance with MDHHS' mask advisory.

- **Test** right before the event and then again 3 days after.

- **Outdoor** events are safer than indoor events.

- Practice **social distancing** at the event if possible. This means being able to maintain 6 feet of distance from other event attendees.

MDHHS – Drinking Water Education Focus Group

▶ The Michigan Department of Health and Human Services is looking to get feedback from Michigan residents on an upcoming statewide drinking water education campaign. They will be holding focus groups with adults in Michigan this month. Each focus group will be held virtually using Microsoft Teams and will take two hours. If you participate in a focus group, you will receive a $50 gift card as a thank you.

▶ **To learn more and sign up for a focus group, please** click here. Please feel free to reach out to the focus group coordinator, Alaina Bur (abur2@michigan.gov) if you have any questions or concerns about this project.

Cold Weather Safety Tips

01

Layer Your Clothing

- Hat
- Scarf or knit mask to cover face
- Sleeves that are snug at the wrist
- Mittens
- Water-resistant coat and boots
- Several layers of loose-fitting clothing

02

Prevent Frozen Pipes

Allow heated air to reach pipes. For example, open cabinet doors beneath the kitchen and bathroom sinks.

03

Protect Your Pets

Like people, dogs and cats can get frostbite and should be kept inside during extreme cold tempetures.

04

Car Care

Check your tires, antifreeze, and battery. Always clear off snow and ice before driving.

HEALTH Department

January 2022 is Radon Action Month in Michigan

- Exposure to radon is the second leading cause of lung cancer in the US

- Testing is recommended every two years because homes settle, new cracks form in the foundation and radon levels can change

- ACHD has radon test kits available for pick up Monday-Friday from 8am to 5pm

View more information: michigan.gov/radon, view press release here.

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

Questions?

Questions, concerns, or more information needed? Please complete an inquiry form
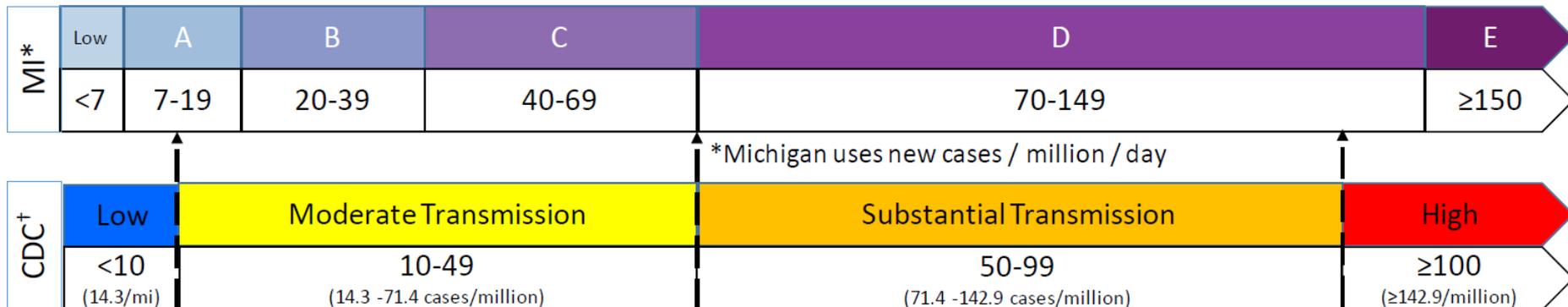
Mitigation to Adaptation slides from previous updates are now in the Appendices, as well as communication materials on testing and vaccine
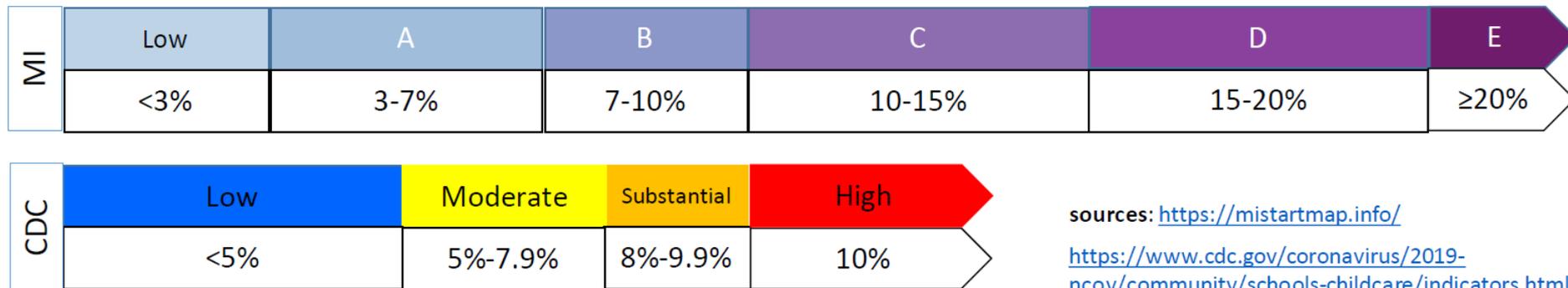
Appendices

Comparing CDC community transmission thresholds to MI levels

Case Rate*†

MI*	Low	A	B	C	D	E
	<7	7-19	20-39	40-69	70-149	≥150

*Michigan uses new cases / million / day

CDC†	Low	Moderate Transmission	Substantial Transmission	High
	<10 (14.3/mi)	10-49 (14.3 -71.4 cases/million)	50-99 (71.4 -142.9 cases/million)	≥100 (≥142.9/million)

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

Percent Positivity

MI	Low	A	B	C	D	E
	<3%	3-7%	7-10%	10-15%	15-20%	≥20%

CDC	Low	Moderate	Substantial	High
	<5%	5%-7.9%	8%-9.9%	10%

sources: https://mistartmap.info/

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

COVID-19 vaccines are now available at ACHD on Thursdays and Fridays, by <u>appointment only</u>.

- COVID-19 Vaccination Available for anyone 5+* years
Moderna and J&J Booster Doses available for eligible individuals 18+
Pfizer booster doses available for 12+*

- Individuals will need to call the 269-673-5411 or visit our <u>website calendar</u> to schedule an appointment.

  *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.

Now anyone ages 5+ can get the COVID-19 vaccine.

Make an appointment today.

FREE DRIVE THRU COVID-19 TESTING EVENTS

Every Monday, Wednesday and Friday: 12pm - 5pm

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

GRATIS CONDUCE A TRAVÉS DE EVENTOS DE PRUEBA DE COVID 19

Cada Lunes, Miércoles, y Viernes: 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

Expanded Testing Dates: Every Monday, Wednesday, & Friday testing events will be held from 12pm to 5pm at the Allegan County Transportation Building
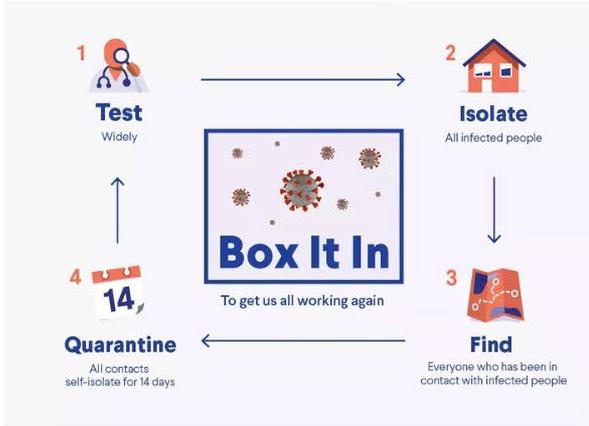
Given our current state, how do we move forward with adaptation? What resources are needed to do this?

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

Enhanced Ability to Test

Ensure timely access to testing for all residents

Test Widely → Isolate All infected people → Find Everyone who has been in contact with infected people → Quarantine All contacts self-isolate for 14 days

Box It In
To get us all working again

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
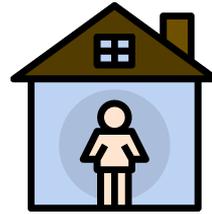
Isolation when sick (required)

Cases telling close contacts

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

14 DAYS

Testing after day 5

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
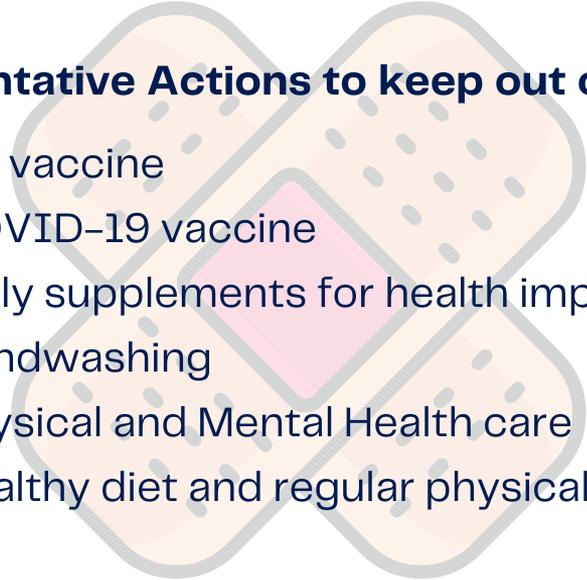
Best Practices for Organizations

- **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)

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

Health Screenings

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

Enhanced Ventilation and Cleaning

Health Education to consider for Employer Wellness Programs

Consider sharing your business experiences with public health

Treatment, Community Vaccination and/or Herd Immunity
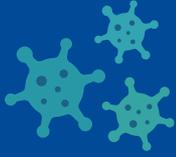
- **Determining clinic needs based on availability in the community and where people choose to get vaccinated**
  - **Is there a need for ACHD clinics?**

- **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).