



HEALTH
Department

COVID-19 Update

February 9, 2022





HEALTH
Department

Ascension
Borgess Allegan



ALLEGAN COUNTY

COMMUNITY HEALTH SURVEY

Your Voice Matters!

Please help us understand the community health needs in Allegan County by taking a brief survey. The information collected in this survey will help community organizations across Allegan County better serve the health needs in your community.

Type this web address into any device to take the survey: <https://bit.ly/3xUtj2X>

You can also scan the QR code with your phone camera to take the survey:



If you do not have internet access and need help filling out the survey, please call (269) 673-5411.

If businesses are looking for communication tools for sharing the survey, contact healthed@allegancounty.org and we can send you our communication toolkit.

- ▶ Allegan County Community Health Survey Launched!
- ▶ Held by ACHD, Ascension Borgess Allegan, and Allegan County United Way
- ▶ Please take the survey and share with community members!
- ▶ Survey closes March 1, 2022.

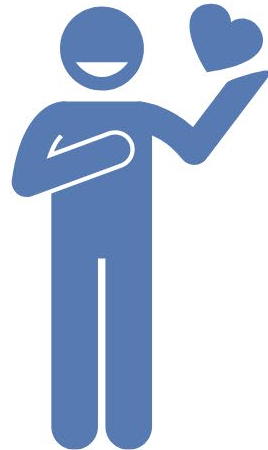
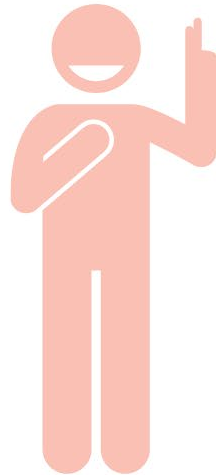
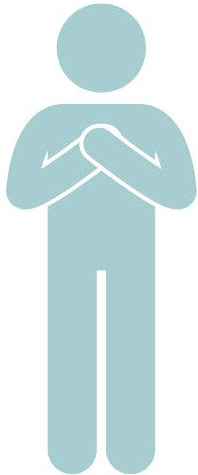
This 2/9/22 Community Leader Update will be the **last update** posted from Allegan County Health Department

- ▶ Based on the Board of Commissioners January 23, 2022 decision to transition to mandated or low services and reject ACHD response recommendation and the funding needed from ARPA; ACHD began the transition to a mandated service level.
- ▶ Mandated services include communicable disease investigation, health education services and limited vaccine appointments if a community member is vulnerable or a child qualifies for the Vaccine for Children program.
- ▶ Starting mid-February, ACHD will no longer be able to routinely provide data down to school district, zip code, or census tract data. For county level data, please visit www.Michigan.gov/coronavirus or <https://covid.cdc.gov/covid-data-tracker/#county-view>
- ▶ For feedback, please contact the [Board of Commissioners](#) and fill out ACHD's [inquiry form](#)
- ▶ ACHD will provide a monthly newsletter with public health updates, including COVID-19. To sign up: www.allegancounty.org/hdupdates



THANK YOU COMMUNITY PARTNERS

for your collaborative efforts over the past 2 years.
Together; striving for a healthier Allegan County



Executive Summary: COVID-19 Mass Testing and Containment Plan

MITIGATION ROADMAP



Communicable Disease investigation is mandated

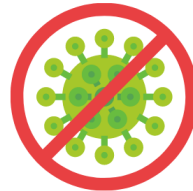
Health Education is mandated

INCIDENT ACTION PLAN OBJECTIVES

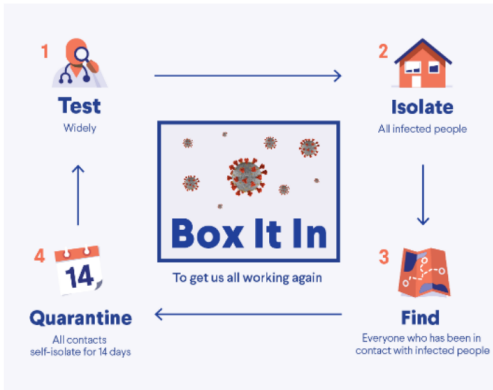
1. Identify cases, isolate the sick, quarantine the exposed, and protect vulnerable populations
2. Provide information to the public, media, and County staff to increase public awareness, address misinformation, and protect the public and increase community resiliency
3. Prepare, mitigate, and recover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

STATE & LOCAL ORDERS

Michigan Public Health Code



EPIDEMIOLOGICAL MODEL



Allegan County COVID-19 Dashboard

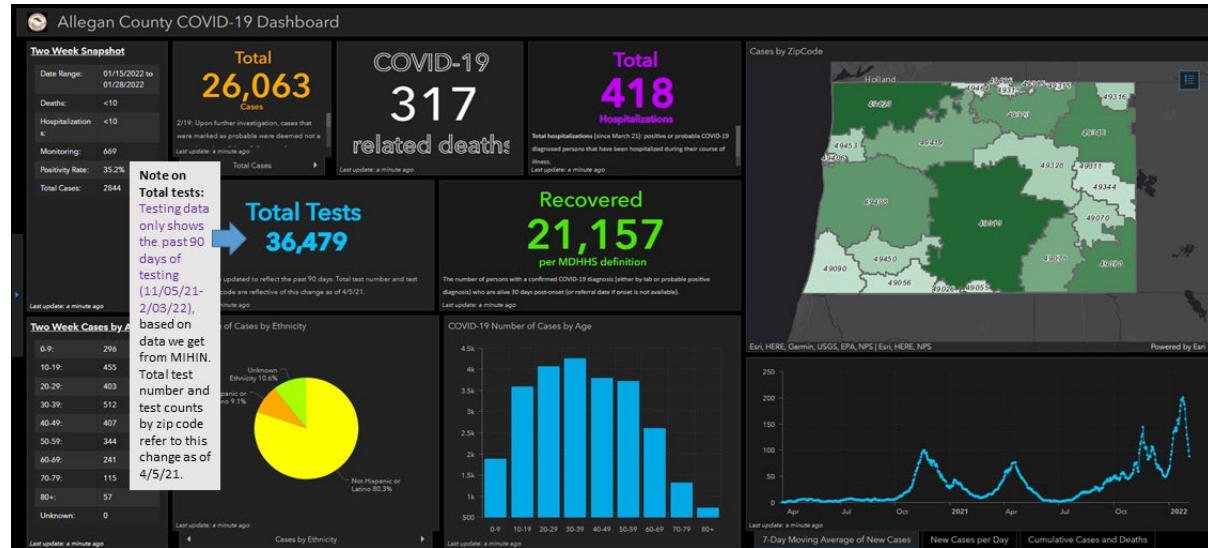
updated weekly on Fridays at 3pm. (Last Dashboard Update Post – Friday, 2/11/22)

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



Cases

DAILY NEW CASES

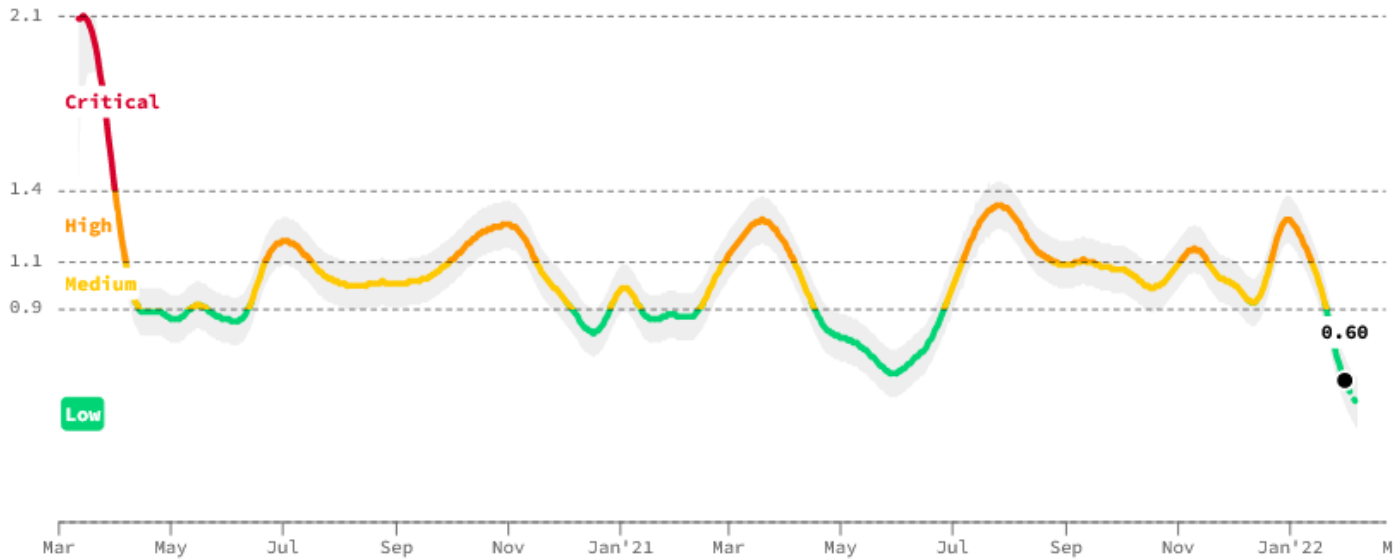
• **68.2** PER 100K

INFECTION RATE

• **0.60**

POSITIVE TEST RATE

• **18.8%**



On average, each person in Michigan with COVID is infecting 0.60 other people. Because each person is infecting fewer than one other person, the total number of current cases in Michigan is shrinking.

[About this data](#)

Share

Cases

DAILY NEW CASES

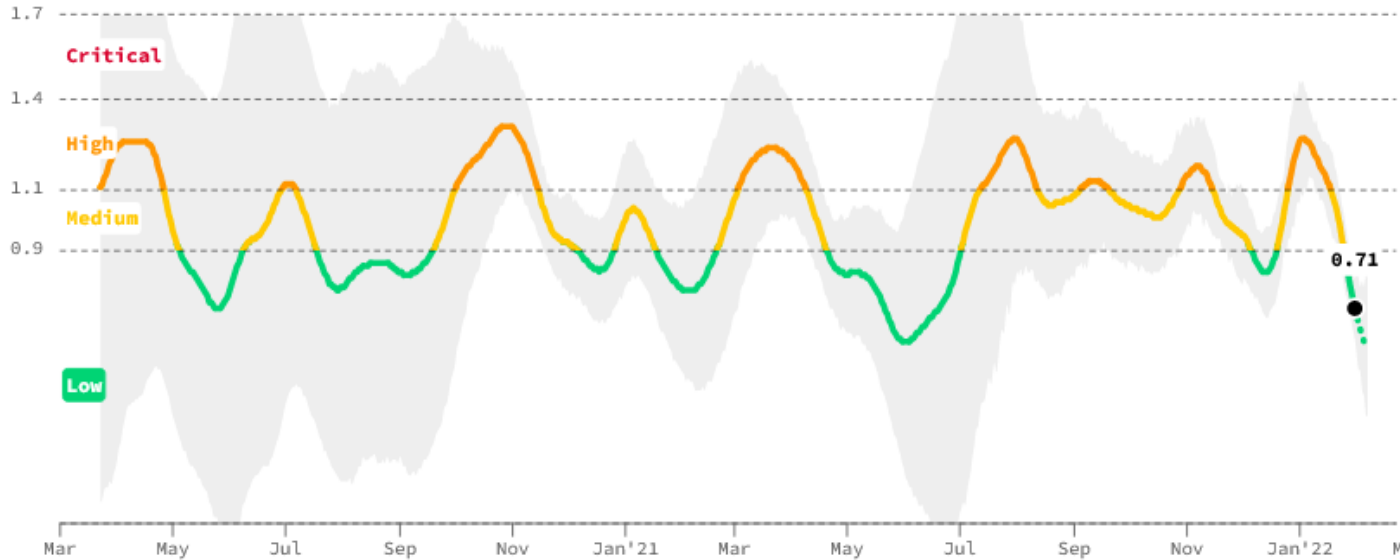
• **72.7** PER 100K

INFECTION RATE

• **0.71**

POSITIVE TEST RATE

• **26.0%**



On average, each person in Allegan County, Michigan with COVID is infecting 0.71 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 2/09/22, data from 1/31/22

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

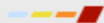
Allegheny County, data as of 2/07/2022



Test Positivity

Feb 01 - Feb 07

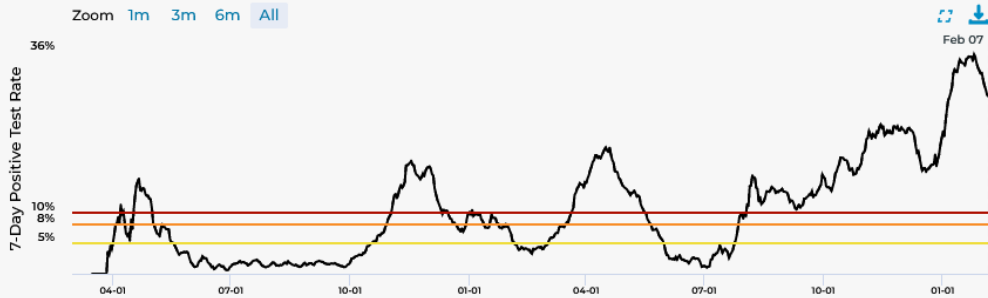
27.9%
positive tests



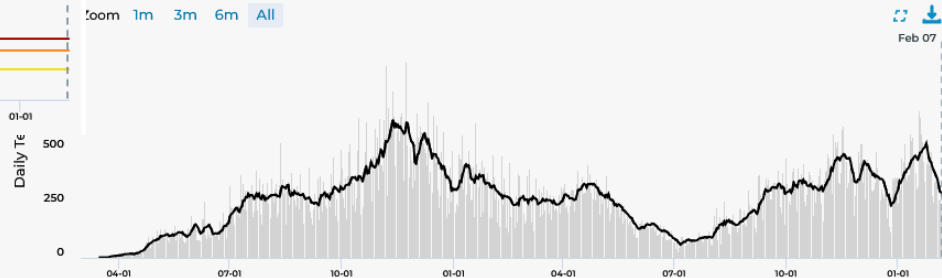
2.3k
daily tests
administered
per million

2 weeks ⓘ
Jan 21 - Feb 04

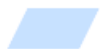
7-Day Positive Test Rate
ALLEGHENY COUNTY



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 2/07/2022



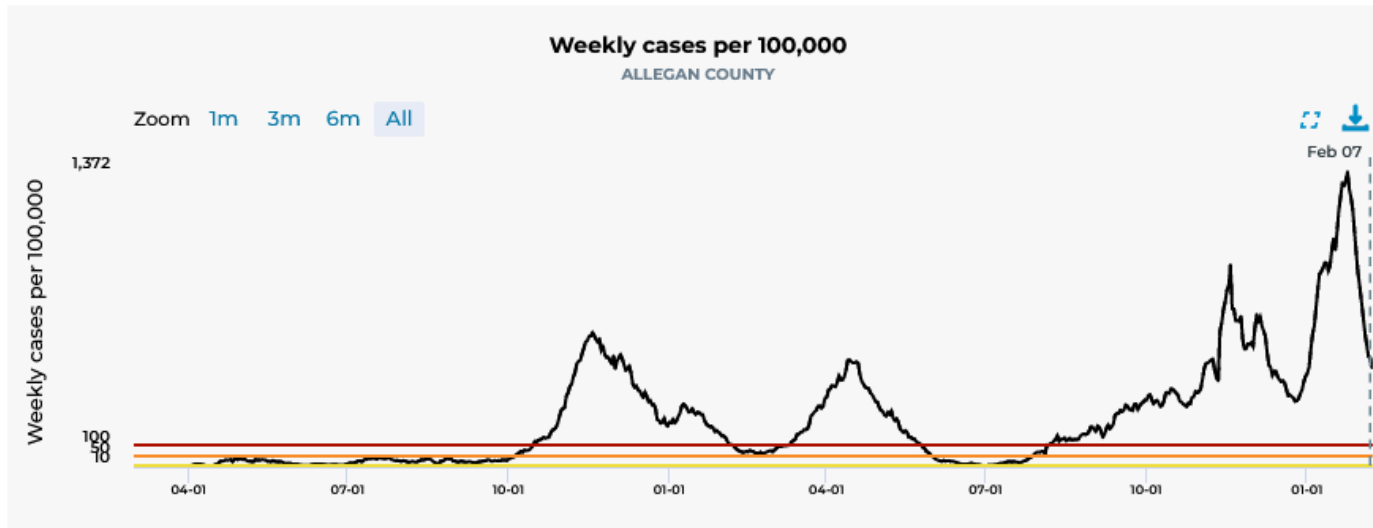
New Cases

Feb 01 - Feb 07

463.2
weekly cases per
100,000 population



547
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 2/07/2022

AREA	CDC REGION TRANSMISSION (FEB 01 - FEB 07)	CDC COUNTY TRANSMISSION (FEB 07)	WEEKLY CASES PER 100,000 POPULATION (JAN 25 - JAN 31)	% POSITIVE TESTS (FEB 01 - FEB 07)
Allegan	High	High	835	27.9%
Barry	High	High	913.1	26.0%
Kalamazoo	High	High	721.3	22.1%
Kent	High	High	737.5	23.7%
Ottawa	High	High	872.4	24.3%
Van Buren	High	High	730.7	26.3%

Epidemiologic Information, All Ages Allegan County

Overall	Percent
Healthcare Worker	5.8%
Live or work in high-risk/congregate facility	7.5%
First Responder	0.7%
Other Essential Worker/Critical Infrastructure	13.6%
Healthcare Contact to confirmed care	0.5%
Community Contact to confirmed case	7.4%
Household Contact to confirmed case	15.5%
Total Cases: 26,063	

Cases Reported in Past two weeks	Percent
In quarantine at time of onset/positive test	2.2%
Associated with known cluster/outbreak	3.2%
Any Contact to confirmed case	13.8%
Healthcare contact to confirmed case	0.7%
Community contact to confirmed case	4.5%
Household contact to confirmed case	9.5%
Attended Community Event/Mass Gathering	0.8%
Any Travel (international, domestic, in state)	1.4%
Source of Infection is unknown	20.2%
Number of cases reported in past 2 weeks: 2,179	

With the current surge, high-risk settings (school age, congregate settings, long term care facilities, etc.) 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 Allegan County

Symptoms	Percent
Fatigue/Lethargy/ Weakness	73.3%
Cough	74.8%
Fever	58.0%
Chills	50.7%
Shortness of breath	26.3%
Muscle aches	61.2%
Headaches	71.3%
Runny Nose	59.6%
Nausea	28.3%
Congestion	67.6%
Sore throat	52.0%
Diarrhea	29.4%
Loss of Taste	45.2%
Loss of Smell	45.4%

Asymptomatic Cases: 11.0%

Total Cases: 26,063

Data from 3/1/2020 - 2/04/2022. Source:
Michigan Disease Surveillance System

Allegan County Case Trends Elementary School Ages 5 to10

March 2020 through February 4, 2022

As of March 2020,
39.4% were household contact to a confirmed case
18.5% were asymptomatic cases (no symptoms but tested positive for COVID-19)

CASES REPORTED IN PAST TWO WEEKS: Data from 1/22/2022 to 2/04/2022

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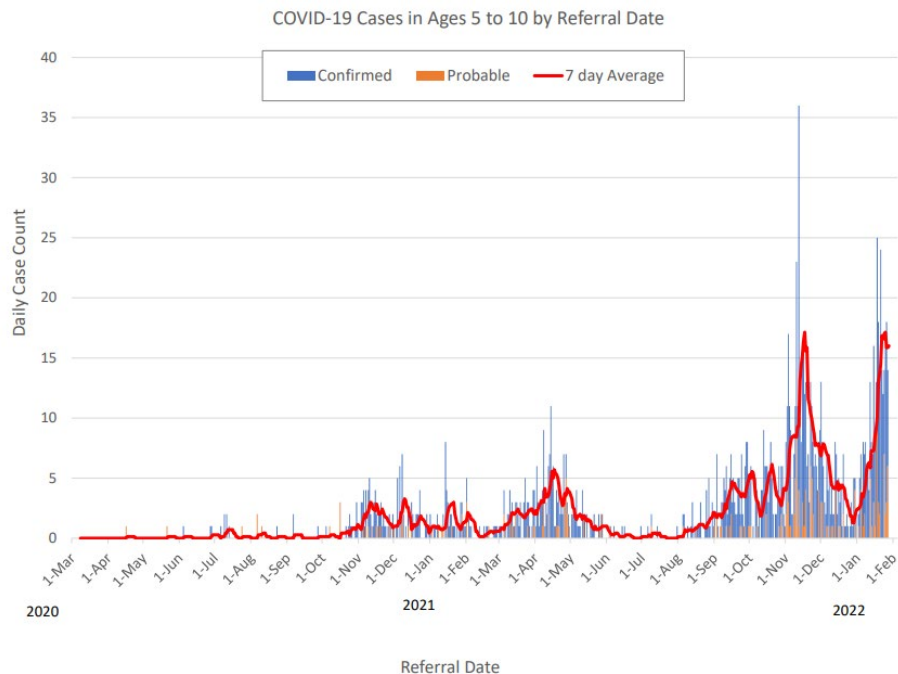
02/04/22

mm/dd/yy

Number of Cases reported in past two weeks	Count	% **
In quarantine at time of onset/positive test	9	5.0%
Associated with known cluster/outbreak	2	1.1%
Any contact (HC, Comm, HH) to confirmed case	37	20.7%
Healthcare Contact to confirmed case	1	0.6%
Community Contact to confirmed case	10	5.6%
Household Contact to confirmed case	29	16.2%
Attended Community Event/Mass Gathering	0	0.0%
Any Travel (international, domestic, in state)	2	1.1%
Source of infection is unknown	37	20.7%

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

Total Cases : 1,473



Allegan County Case Trends Middle School Ages 11 to13

March 2020 through February 4, 2022

As of March 2020,
35.5% were household contact to a confirmed case
13.6% were asymptomatic cases (no symptoms but tested positive for COVID-19)

CASES REPORTED IN PAST TWO WEEKS: Data from 1/22/2022 to 2/04/2022

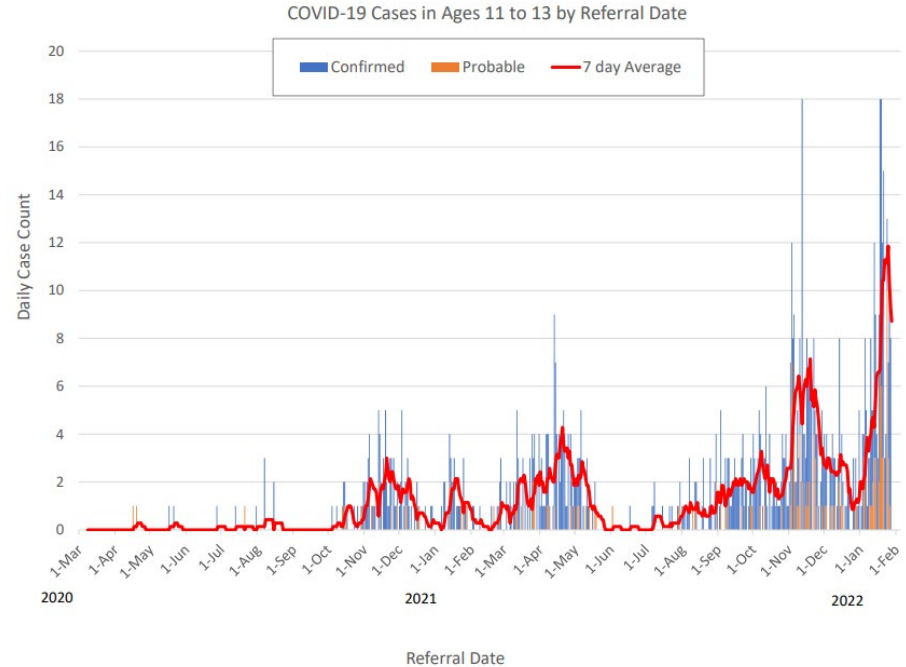
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02/04/22
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Number of Cases reported in past two weeks	Count	% **
In quarantine at time of onset/positive test	3	3.3%
Associated with known cluster/outbreak	5	5.5%
Any contact (HC, Comm, HH) to confirmed case	20	22.0%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	3	3.3%
Household Contact to confirmed case	18	19.8%
Attended Community Event/Mass Gathering	1	1.1%
Any Travel (international, domestic, in state)	1	1.1%
Source of infection is unknown	23	25.3%

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

Total Cases : 910



Source: Michigan Disease Surveillance System

Allegan County Case Trends High School Ages 14 to 17

March 2020 through February 4, 2022

As of March 2020,
23.6% 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 1/22/2022 to 2/04/2022

For this section to auto-calculate,

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

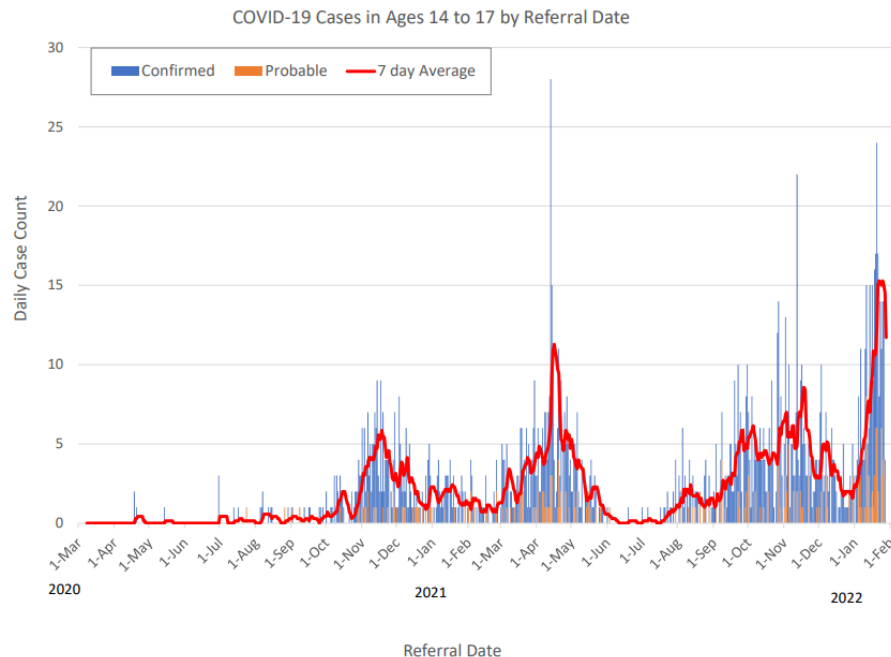
02/04/22

mm/dd/yy

Number of Cases reported in past two weeks	Count	% **
In quarantine at time of onset/positive test	3	2.5%
Associated with known cluster/outbreak	6	5.0%
Any contact (HC, Comm, HH) to confirmed case	14	11.6%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	4	3.3%
Household Contact to confirmed case	10	8.3%
Attended Community Event/Mass Gathering	0	0.0%
Any Travel (international, domestic, in state)	1	0.8%
Source of infection is unknown	26	21.5%

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

Total Cases: 1,570



**Allegheny County Breakdown of Total COVID-19 Cases
By School Age (3-17)
From March 1, 2020 to February 4, 2022**

Breakdown of Cases by School Age Categories

Total Case Count	4250
Number of Cases <18 years	4250
% cases <18 years	100.0%

<u>Approximate Grade Level</u>	<u>Age</u>	<u>Case Count*</u>	<u>% total cases</u>	<u>% cases <18 years</u>
	0-2 years	0	0.0%	0.0%
Pre-K age	3-4 years	297	7.0%	7.0%
K-5th grade age	5-10 years	1473	34.7%	34.7%
6-8th grade age	11-13 years	910	21.4%	21.4%
9-12th grade age	14-17 years	1570	36.9%	36.9%

**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.*

**Allegheny County Breakdown of COVID-19 Cases
By School Age (3-17)
Past 2 Weeks , As of February 4, 2022**

Breakdown of Cases by School Age Categories

Total Case Count	367
Number of Cases <18 years	367
% cases <18 years	100.0%

<u>Approximate Grade Level</u>	<u>Age</u>	<u>Case Count*</u>	<u>% total cases</u>	<u>% cases <18 years</u>
	0-2 years	0	0.0%	0.0%
Pre-K age	3-4 years	32	8.7%	8.7%
K-5th grade age	5-10 years	155	42.2%	42.2%
6-8th grade age	11-13 years	76	20.7%	20.7%
9-12th grade age	14-17 years	104	28.3%	28.3%

**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 (1/22/22-2/04/22):

5-10 years: 17.4%
11-13 years: 22.4%
14-17 years: 8.7%

Vital Infrastructure: K-12 school clusters and outbreaks, week ending Jan 27

Number of reported outbreaks/clusters increased since last week (309 to 410), with increases in Pre K-Elementary (155 to 211), and High Schools (96 to 115), and Middle/Jr High (57 to 83). Administration remained steady (at 1).

Region	Number of reported cases, #	# Ongoing - Excluding New	# New	Number of outbreaks	Range of cases per outbreak
Region 1	658	95		75	3-79
Region 2n	343	27		17	3-67
Region 2s	153	33		28	3-19
Region 3	3,368	541		163	3-140
Region 5	153	47		33	3-20
Region 6	171	195		42	3-34
Region 7	313	45		21	2-102
Region 8	662	0		31	3-60
Total	5,821	983		410	2-140

Grade level	Number of reported cases, #	# Ongoing - Excluding New	# New	Number of outbreaks	Range of cases per outbreak
Pre-school - elem.	2,084	532		211	3-72
Jr. high/middle school	1,234	230		83	3-84
High school	2,496	221		115	2-140
Administrative	7	0		1	7
Total	5,821	983		410	2-140

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

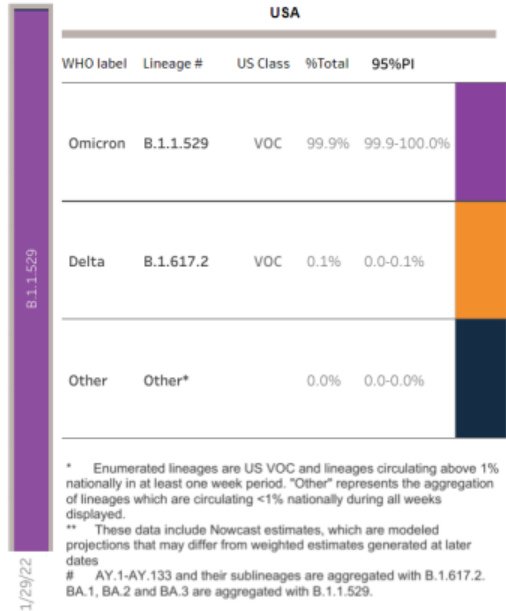
Source: LHD Weekly Sitreps

As of 2/3/22, ACHD has identified **9 ongoing** outbreaks and **1 new** outbreak/cluster.

- 1 Child Care/ Youth Program
- 7 Long term care facilities (LTCF)
- 1 K-12 School
- 1 Jail/Prison/ Detention Center

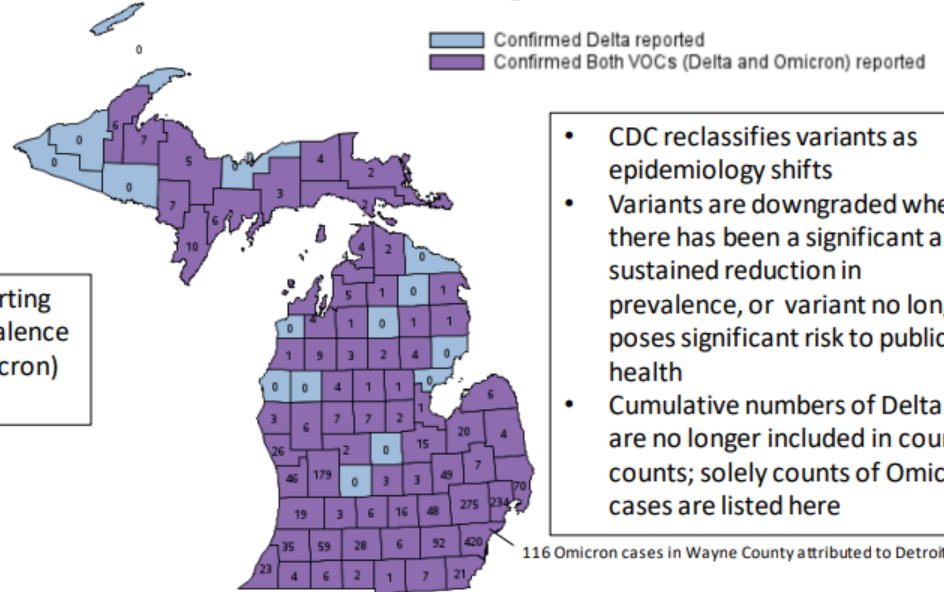
Identified COVID-19 Cases Caused by Variants of Concern (VOC) in US and Michigan

SARS-CoV-2 Variants Circulating in the United States, Jan 23 – Jan 29 (NOWCAST)



Currently, CDC is reporting rapid increase in prevalence of B.1.1.529 (i.e., Omicron) over past 2 months

Variants of Concern in Michigan, Jan



- 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

Variant	MI Reported Cases	# of Counties	MDHHS VOC Sequenced Prev. [†]
B.1.617.2 (delta)	30,856	83	3%
B.1.1.529 (omicron)	1,904	68	97%

Data last updated Jan 31, 2022
 Source: MDSS

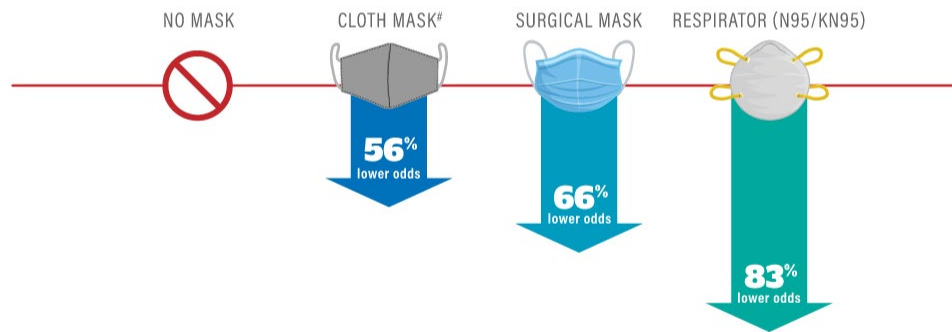
[†] Sequence specimens are from the most recent week by onset date which may change as more specimens are sent in

Note: not every positive case is serosequenced for a variant.

People who reported always wearing a mask in indoor public settings were less likely to test positive for COVID-19 than people who didn't*

WEARING A MASK LOWERED THE ODDS OF TESTING POSITIVE

Among 534 participants reporting mask type[†]



* Matched case-control study, 1,828 people, Feb 10–Dec 1, 2021

[†] Compared people with similar characteristics (e.g., vaccination)

[‡] Not statistically significant

- ▶ A MMWR posted on February 4, 2022 by the CDC shows the effectiveness of face mask or respirator use in indoor public settings for the prevention of COVID-19.
- ▶ The study found that consistent use of a face mask or respirator in indoor public settings was associated with lower odds of a positive COVID-19 test result. The use of respirators with higher filtration capacity was associated with the most protection, compared with no mask use. *Read the full study [here](#).*
- ▶ **Takeaway:** In addition to being [up to date](#) with recommended COVID-19 vaccinations, consistently wearing a comfortable, well-fitting face mask or respirator in indoor public settings protects against COVID-19 infection. A respirator offers the best protection.

FREE! ADULT KN95 MASK PICK-UP!

(STARTING JANUARY 25, 2022)



PICK-UP LOCATED AT:
ALLEGAN COUNTY HUMAN SERVICES BUILDING
3255 122ND AVE., ALLEGAN 49010

CURBSIDE PICK-UP TIMES:

Mondays, Tuesdays, & Wednesdays:
2 PM - 5 PM

Thursdays & Fridays:
9 AM - 12 PM



Signs will be posted in the parking lot for pick-up directions



Please stay in your car during pick-up



Masks given on a first come/first serve basis, while supplies last



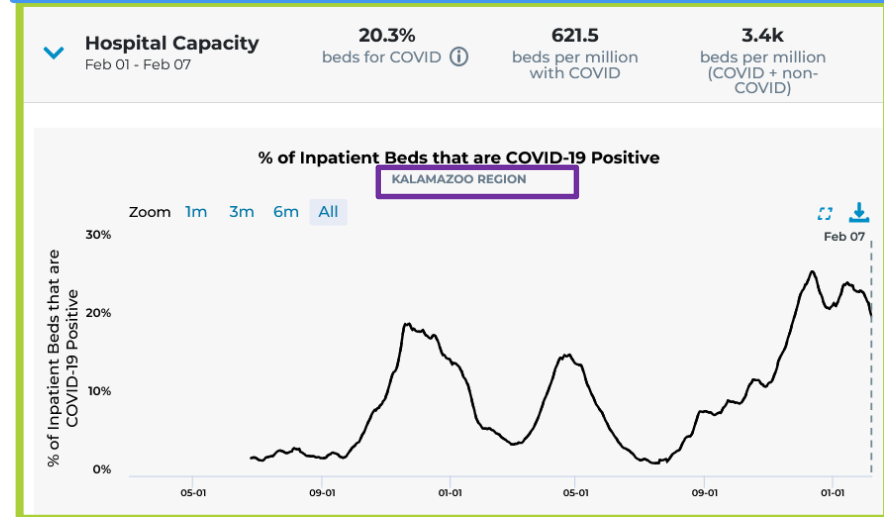
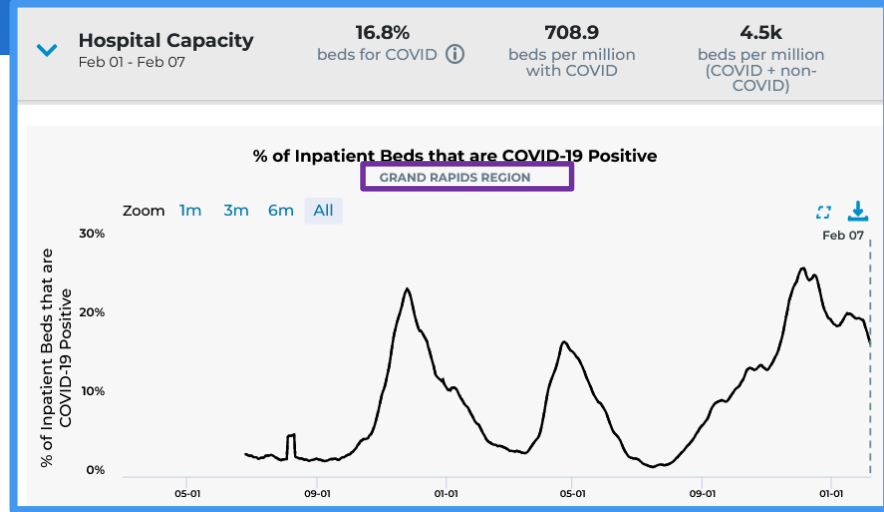
HEALTH
Department

- ▶ Free adult KN95 masks available for community members to pick-up curbside
- ▶ Monday-Wednesday 2pm-5pm and Thursday/Friday 9am-12pm

Note: Currently we have ~2,800 masks left. Based on current trends, we will most likely no longer have them available by the end of week. We requested more from MDHHS to redistribute to local units of government and local libraries within the next week and a half. We will ensure those sites that are participating are in our Newsletter and Social Media when the supplies are in.

As of 2/9/22: **5,790 masks distributed from pick-ups at ACHD**
11,390 masks redistributed to partners across county.

- ▶ Many Allegan County residents access hospital services in the Grand Rapids and Kalamazoo Regions.
- ▶ Grand Rapids Region (Region 6)
 - ▶ 16.8% of inpatient beds are treating COVID-19 patients
- ▶ Kalamazoo Region (Region 5)
 - ▶ 20.3% of inpatient beds are treating COVID-19 patients



Data as of 2/07/22

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 2/7/2022*

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	All Inpatient Pediatric Beds	Pediatric Inpatient Bed Occupancy	ICU Beds	ICU Bed Occupancy
Region 5	1780	1722	1374	1051	1351	1035	21	16	184	140
Region 6	3299	2731	2816	2216	2426	1945	376	271	424	349

Region 5: 76.5% of inpatient beds are occupied
Region 6: 78.7% of inpatient beds are occupied

COVID-19 Metrics 2/07/2022								
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	241 ↓	226 ↓	4 ↔	4 ↔	18 ↑	40 ↓	40 ↓	181 ↓
Region 6	381 ↓	371 ↓	22 ↓	22 ↓	56 ↓	72 ↓	71 ↓	138 ↓

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	1	0	16%
Ascension Borgess Hospital	30	8	73%
Ascension Borgess-Pipp Hospital	0	0	71%
Bronson Methodist Hospital	72	9	86%
Bronson South Haven	1	0	50%
Holland Community Hospital	16	1	78%
Mercy Health Mercy Campus	57	18	80%
Mercy Health St. Mary's Main Campus	40	1	94%
Metro Health Hospital	24	5	71%
Spectrum Health - Blodgett Hospital	75	11	91%
Spectrum Health - Butterworth Hospital	96	26	86%
Spectrum Health - Zeeland Hospital	13	2	56%
Spectrum Helen DeVos Children's Hospital	22	0	68%

Data as of 2/07/2022

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

Statewide Hospitalization Trends: Pediatric COVID+ Census



From 9/1/21 – 2/9/22, there have been 10 pediatric Allegan County residents hospitalized related to COVID-19

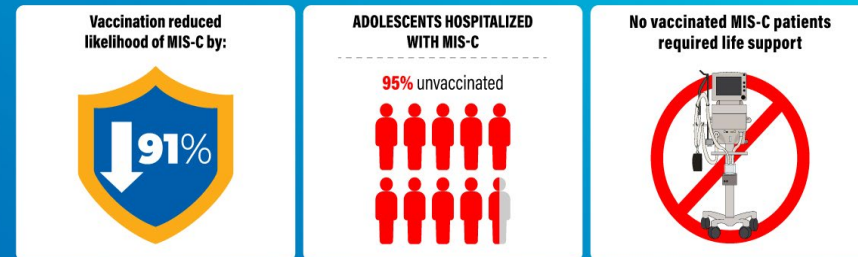
Multisystem Inflammatory Syndrome in Children (MIS-C)

- ▶ MIS-C is a condition in which different parts of the body become inflamed, including the heart, lungs, kidneys, brain, skin, eyes, or gastrointestinal organs. MIS-C can be serious and even deadly, though most children who are diagnosed with this condition get better with medical care. If your child has recovered from COVID-19, even if they didn't have symptoms or had mild symptoms, and they exhibit symptoms of MIS-C, call your pediatrician or healthcare provider.

As of 2/9/22, there has been 1 reported MIS-C case in Allegan County

- ▶ New research, published on January 14, studied the effectiveness of two doses of the Pfizer vaccine in children ages 12 to 18, and found that the vaccine was 91% effective in preventing MIS-C. **COVID-19 vaccination is the best protection against MIS-C.**
- ▶ Read the full study [here](#).

COVID-19 vaccination protects against multisystem inflammatory syndrome in children (MIS-C) among 12–18 year-olds hospitalized during July–December 2021



COVID-19 VACCINATION IS THE BEST PROTECTION AGAINST MIS-C



* Case-control study, 238 patients in 24 pediatric hospitals—20 U.S. states
† 2 doses of Pfizer-BioNTech vaccine received >28 days before hospital admission

bit.ly/MMWR7102

MMWR

Deaths in Allegan County Related to COVID-19



Contact Tracing and Case Investigations

- ▶ Most cases and close contacts are not being reached by public health
- ▶ It is important to ensure that the public is taking a larger role in understanding what to do if feeling ill, testing positive (isolation and contact notification), or being notified as a contact (quarantine)
- ▶ Public Health capacity shifts to investigation and mitigation of COVID-19 outbreaks in priority settings like schools, congregate settings, and long term care facilities
- ▶ People can self report and indicate in that form if they need a letter to return to school/work ([ACHD Website](#))

Moderna Vaccine Receives Full FDA Approval

- ▶ On January 31, the U.S Food and Drug Administration (FDA) announced that the Moderna vaccine has been fully approved. Moderna is now one of two fully FDA approved mRNA vaccines for the COVID-19 virus. The other fully approved mRNA vaccine is Pfizer-BioNTech.
- ▶ ACHD urges all residents to [stay up-to-date](#) with their vaccines by receiving all recommended COVID-19 vaccines, including any booster doses when eligible.
- ▶ More information about the FDA's approval of the Moderna vaccine can be found [here](#).
- ▶ Find vaccination locations near you at vaccinatewestmi.com.

Vaccine updates: 6 months to 4 year age group

- ▶ On February 1, 2022, Pfizer announced that they would seek emergency use authorization (EUA) for a 6 month to 4-year-old COVID-19 vaccine.
- ▶ The Vaccines and Related Biological Products Advisory Committee (VRBPAC) is set to meet on [February 15](#) to discuss the clinical trial data from this population. Pharmacy providers will be able to vaccinate individuals 3 years old and older.
- ▶ ACHD is currently working to contact all pharmacy and medical providers locally to see who will provide COVID-19 vaccines to this age group.
- ▶ When this vaccine is approved and there are gaps in providers willing to vaccinate this age group, ACHD will need to extend clinic hours per our minimum program requirements to meet that gap.

Allegan County VACCINE DATA

Updated 2/7/22
Data as of 2/3/22



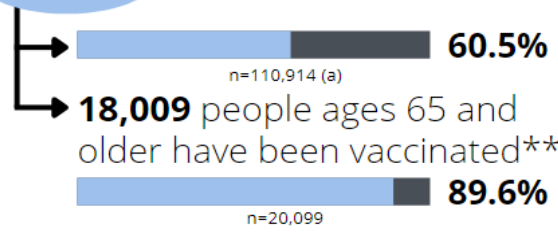
66.5% of Allegan County residents age 16+ have received at least 1 dose of vaccine.



Comparison to surrounding counties:

- 61.3% Barry County
- 74.8% Kalamazoo County
- 76.2% Kent County
- 71.9% Ottawa County
- 71% Van Buren County

As of February 3, **67,093** 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 (55.6%).

Over 4 in 5 individuals aged 65 and older are fully vaccinated (82.9%).

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

Total Doses Distributed*

132,910

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

Primary Series Doses Administered*

122,319

Additional/Booster Doses Administered*

32,175

*based on person's residence.

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.









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.



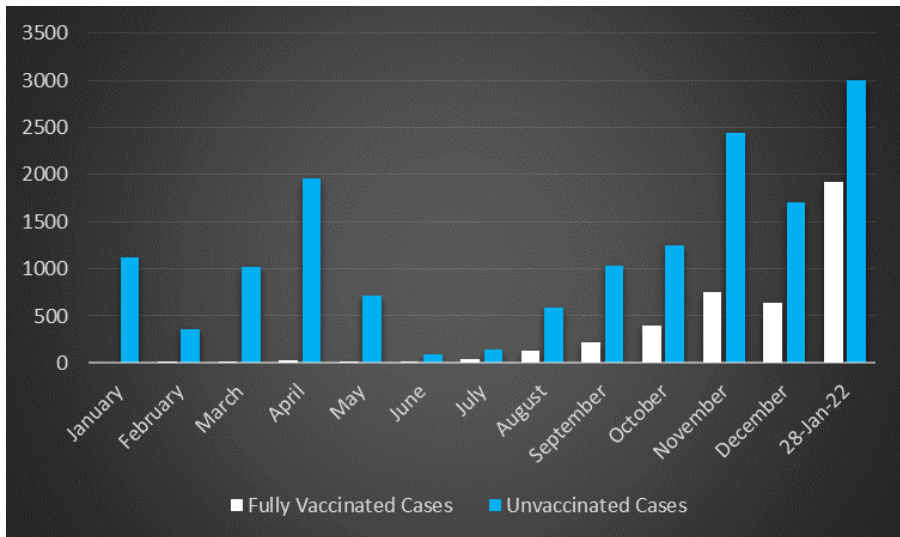
Allegan County Case Data by Vaccination Status ALL AGES

Since January 2021, there have been:

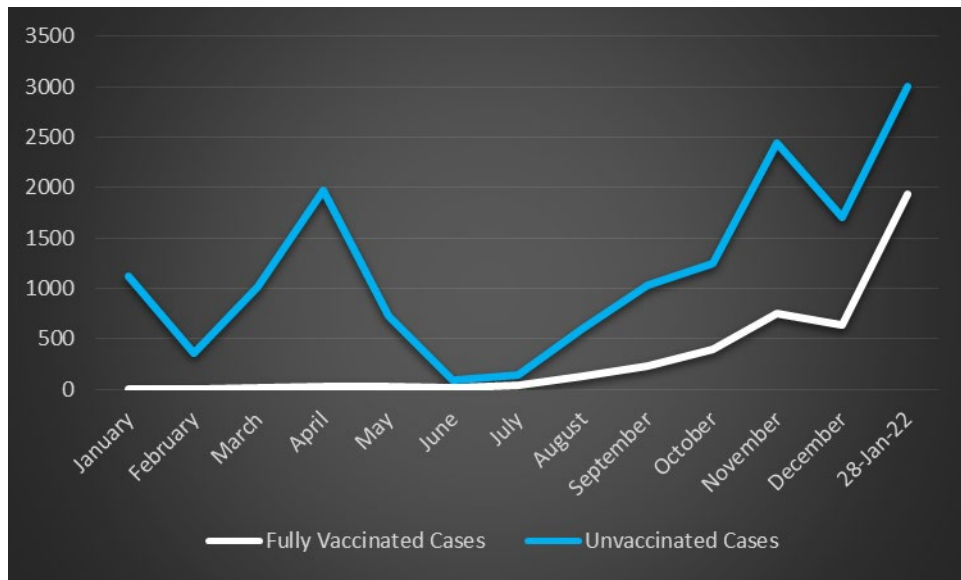
19,627 Total COVID-19 Cases	354 Total COVID-19 Hospitalizations	210 Total COVID-19 Related Deaths
Total COVID-19 cases not fully vaccinated	Total COVID-19 hospitalizations not fully vaccinated	Total COVID-19 deaths not fully vaccinated
15,455	292	180
% of not fully vaccinated COVID-19 cases	% of not fully vaccinated COVID-19 hospitalizations	% of not fully vaccinated COVID-19 deaths
 <p>78.7%</p>	 <p>82.5%</p>	 <p>85.7%</p>
Total COVID-19 cases fully vaccinated	Total COVID-19 hospitalizations fully vaccinated	Total COVID-19 deaths fully vaccinated
4,172	62	30
% of fully vaccinated COVID-19 cases	% of fully vaccinated COVID-19 hospitalizations	% of fully vaccinated COVID-19 deaths
 <p>21.3%</p>	 <p>17.5%</p>	 <p>14.3%</p>

Data from January 1, 2021 to January 28, 2022

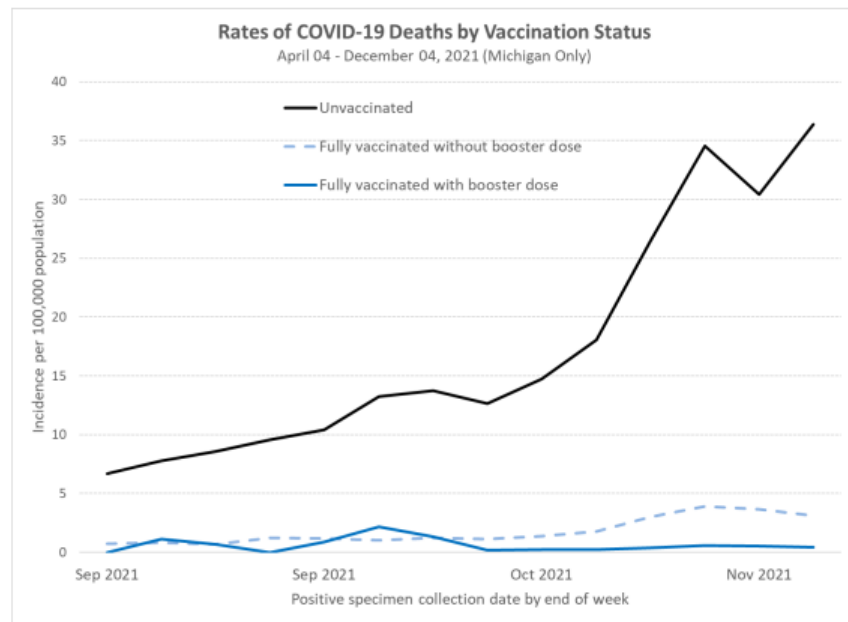
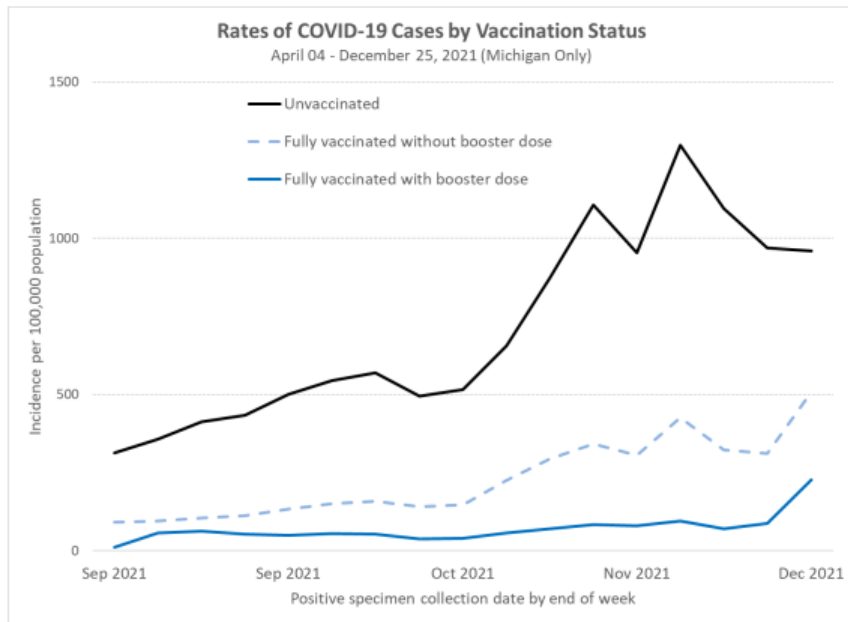
Allegan County COVID-19 Fully Vaccinated Cases vs Unvaccinated Cases from 1/1/2021 to 1/28/2022



The graphs 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.



Michigan Age-Standardized Rates of COVID-19 Cases and Deaths by Vaccination + Booster Status



In November, unvaccinated adults aged 18 years and older had:

11.7 X
Risk of Testing Positive for COVID-19

AND

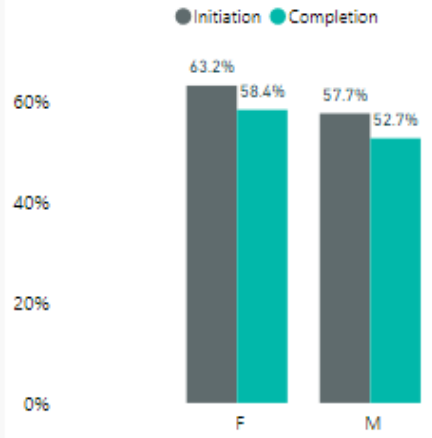
59.2 X
Risk of Dying from COVID-19

compared to fully vaccinated adults with booster doses

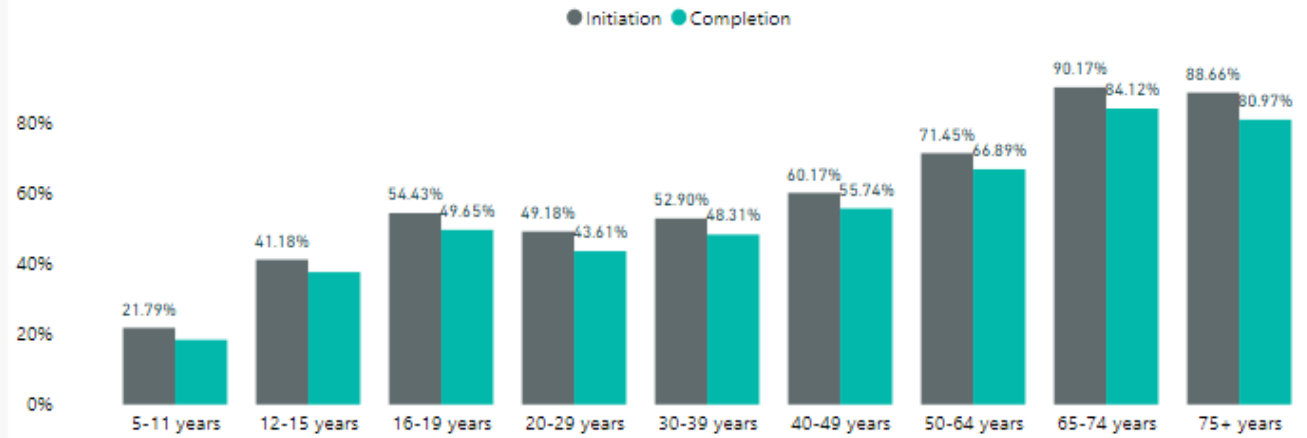
Footnotes: Incidence rates were age-standardized using the 2000 U.S. Census standard population; and rates are not adjusted for time since vaccination, underlying conditions, or other demographic factors besides age. Incidence rate ratios for the past one month were calculated by dividing the average weekly incidence rates among unvaccinated people by that among fully vaccinated people.

Allegan County Vaccination by Gender and Age Group, As of January 31, 2022

COVID Vaccine Coverage by Sex



COVID Vaccine Coverage by Age Group



Age 5-11
 Initiated: 2,405: 21.79%
 Completed: 2,031: 18.4%

Age 12-15
 Initiated: 2,771: 41.18%
 Completed: 2,533: 37.6%

Age 16-19
 Initiated: 3,144: 54.43%
 Completed: 2,868: 49.65%

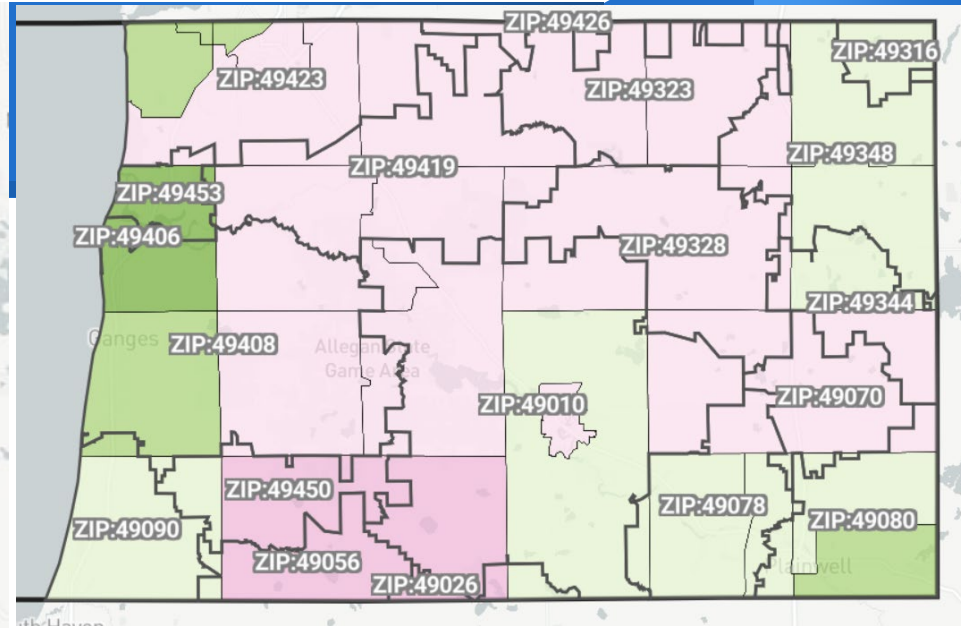
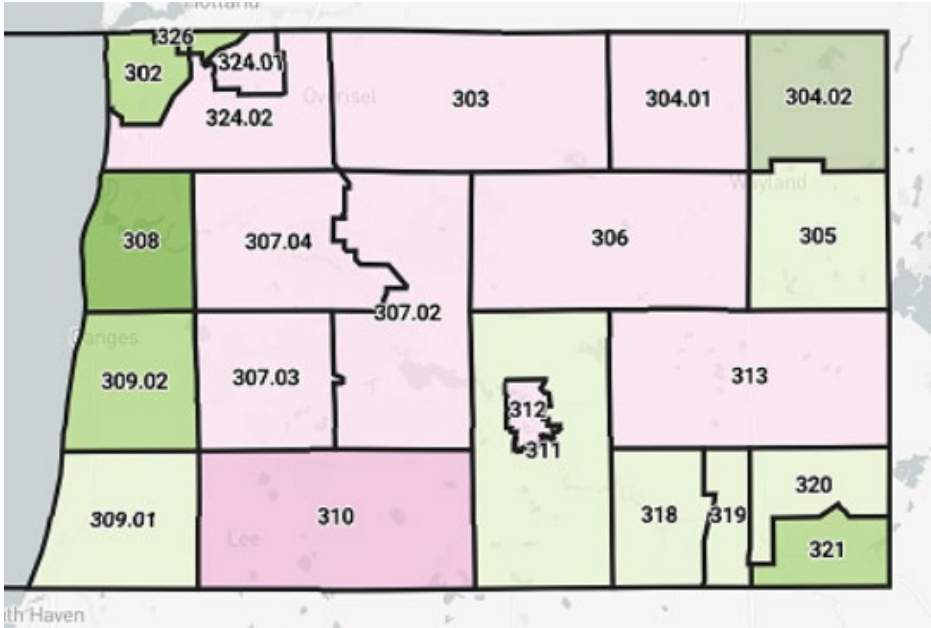
Definitions:

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

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

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

Data as of 2/02/22



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

TOOLS THAT HELP PREVENT COVID-19 IN SCHOOLS/BUSINESSES



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.**

ACHD COVID-19 Response

- ▶ Based on the Board of Commissioners January 23, 2022 decision to transition to mandated or low services and reject ACHD response recommendation and the funding needed from ARPA; ACHD began the transition to a mandated service level.
- ▶ Mandated services include communicable disease investigation, health education services and limited vaccine appointments if a community member is vulnerable or a child qualifies for the Vaccine for Children program.

With a mandated level response, the services to be discontinued, include but are not limited to:

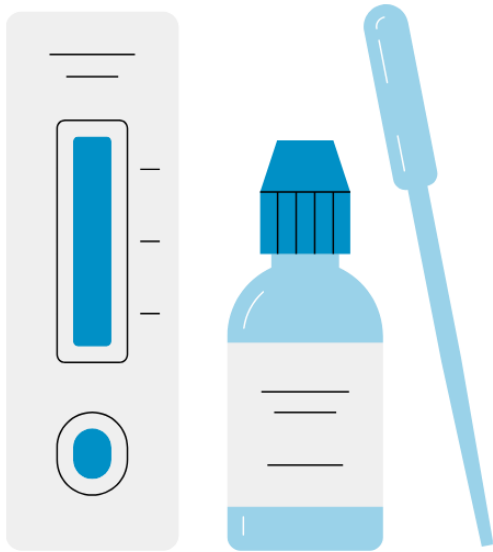
- COVID-19 testing
- COVID-19 vaccine clinics (except for minimum program requirements)
- Business/other organizations assistance
- Local school reports (*last report February 8, 2022*)
- Local dashboard (*last dashboard post February 11, 2022*)
- Local community leader reports (*last report February 9, 2022*)
- ▶ Starting mid-February, ACHD will no longer be able to routinely provide data down to school district, zip code, or census tract data. For county level data, please visit www.Michigan.gov/coronavirus or <https://covid.cdc.gov/covid-data-tracker/#county-view>
- ▶ For feedback, please contact the [Board of Commissioners](#) and fill out ACHD's

Mandates COVID-19 Response Services

Notwithstanding the broader mandates contained within the Public Health Code, absent the allocation of funding that was requested on January 13, 2022, ACHD still has to provide the following **mandated** services relative to the COVID-19 pandemic (as would be required of any communicable disease related incident):

1. Communicable Disease Case Investigation (Michigan Public Health Code and Michigan Local Public Health Accreditation requirements)	<ul style="list-style-type: none">• MCL 333.2433; Parts 51 and 52;• PA 349 of 2004 – Sec. 218 and 904;• R325.171 et seq.
2. Health Education (Michigan Public Health Code and Michigan Local Public Health Accreditation requirements).	<ul style="list-style-type: none">• MCL 333.2433

Free COVID Test Kits Available to Order



- ▶ On January 18, the Federal Government launched [covidtests.gov](https://www.covidtests.gov), a website for all Americans to order 4 free rapid COVID-19 tests based on their household.
- ▶ **Take an at-home test:**
 - ▶ If you begin having COVID-19 symptoms like fever, sore throat, runny nose, or loss of taste or smell, or
 - ▶ At least 5 days after you come into close contact with someone with COVID-19, or
 - ▶ When you're going to gather with a group of people, especially those who are at risk of severe disease or may not be [up to date on their COVID-19 vaccines](#)

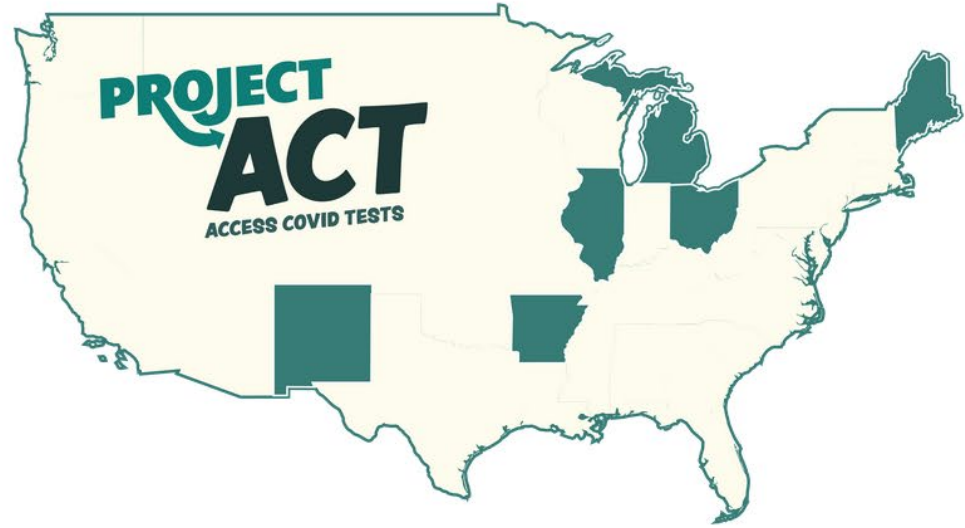
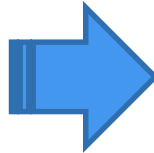
Get your **FREE** at-home test kits!

We are offering free, rapid, at-home COVID-19 test kits to residents of eligible communities while supplies last. **Enter your zip code to see if tests are available in your area:**



Residents in zip codes

- 49090
- 49056
- 49026



Free COVID-19 tests are available through Project ACT. Order here: <https://accesscovidtests.org/>

One free kit per household, five tests in a kit. This is in addition to the free tests available to every household at covidtests.gov.

Don't live in these zip codes? Continue to check the site as new zip codes are being added daily.

5 community locations for at home test pick up

- ▶ MDHHS asked local health departments for community partners that would be interested and willing to distribute at home test kits, to help make testing more accessible.
- ▶ **ACHD submitted 5 community partners that included local townships and libraries that voiced their interest and we are now awaiting supplies.**
- ▶ ACHD will provide updates in the monthly newsletter and social media on local locations for free testing resources.

Antiviral Medication Therapy Available for COVID-19

- ▶ MDHHS sent out a [press release](#) on February 7, letting residents in Michigan know that the eligibility criteria for COVID-19 antivirals is expanding to include more at-risk individuals as the supply of oral medication becomes more widely available. MDHHS urges residents to talk to their health care providers if they test positive for COVID-19 to see if antiviral treatment is right for them.
- ▶ The two medications, Paxlovid and molnupiravir, have received emergency use authorization by the FDA. These medications are used for outpatient treatment of mild to moderate COVID-19, and are to only be prescribed for patients by a qualified healthcare provider.
- ▶ When the medications are administered to non-hospitalized COVID-19 patients, who are at high risk of severe illness, within 5 days of symptom onset, the antivirals may reduce symptoms and the risk of hospitalization and emergency department visits associated with COVID-19.



Antiviral Medication Therapy for COVID-19



What is Antiviral Medication?

Antiviral medications may help you recover from COVID-19 faster, or prevent you from becoming seriously ill. The medication can boost the immune system, helping it fight off COVID-19 infection. Vaccinations remain the best way to protect a person from COVID-19, and are a preventative measure to reduce severity of illness and risk of hospitalization or, even, death. Antivirals are prescribed after a person has tested positive for COVID-19 and within 5 days of symptom onset. Currently there are two oral antiviral medications under emergency use authorization (EUA) by the FDA: Paxlovid and Molnupiravir.

Who can take Paxlovid?

Your healthcare provider will determine if you are a candidate for PAXLOVID. At a minimum you must:

- Have mild-to-moderate COVID-19
- Be over 12 years of age and weigh at least 88 lbs.
- Be at high risk for severe COVID-19, including hospitalization or death, meeting certain [high-risk eligibility criteria established by MDHHS](#).

(View the [Paxlovid Fact Sheet for more information](#) - [michigan.gov/covidtherapy](#))

Who can take molnupiravir?

A qualified healthcare provider may prescribe molnupiravir for patients with the following:

- Adults (18 years or older) who are at high risk for progression to severe COVID-19, including hospitalization or death, meeting certain [high-risk eligibility criteria established by MDHHS](#).
- Are able to start the medication within 5 days of the onset of symptoms.
- Only someone who does not have timely access to alternative COVID-19 medications (like monoclonal antibody therapy) is eligible for molnupiravir

(View the [molnupiravir Fact Sheet for more information](#) - [michigan.gov/covidtherapy](#))

Where can I fill my Paxlovid or Monlunpiravir Prescription?

- Paxlovid is available at select pharmacies across the state including [47 Michigan Meijer Locations](#).
- Monlunpiravir is available at all Meijer locations in Michigan and several other pharmacies.

Talk to your doctor or primary provider about antiviral COVID-19 medication

Your health care provider will determine if you are a candidate or eligible for Paxlovid or Molnupiravir.

Limitations of Authorization Use:

Paxlovid and Molnupiravir are not authorized in patients under 12 and 18 years of age, respectively.

- Medications are not authorized for initiation of treatment in patients requiring hospitalization due to severe or critical COVID-19.
- Medications are not authorized for pre-exposure or post-exposure prophylaxis of COVID-19.
- Medications are not authorized for use longer than 5 consecutive days.

Learn more about antiviral COVID-19 treatment by visiting [www.michigan.gov/covidtherapy](#).

Outpatient therapy now available for those with COVID-19. Supplies may be limited.

Eligibility guidelines ensure those with the highest risks have priority access to treatments.



Those at highest risk

Treatment window after symptoms appear:

Paxlovid P0

Sotrovimab IV

Remdesivir IV

Molnupiravir P0

5 days

10 days

7 days

5 days

- 75+ years old and not up to date*
- Moderately or severely immunocompromised regardless of vaccine status



If other therapies not available or appropriate

- 65–74 years old and not up to date* with MI priority risk factor**
- Pregnant and not up to date*



If other therapies not available or appropriate

- 65–74 years old and not up to date*
- Under 65 years old and not up to date* with MI priority risk factor**



If other therapies not available or appropriate

- 75+ years old and up to date*
- 65–74 years old and up to date* with MI priority risk factor**



Not currently eligible

Not currently eligible



If other therapies not available or appropriate

- 65–74 years old and up to date* with CDC risk factors

Not currently eligible

Not currently eligible

Not currently eligible



- 65–74 years old and up to date*
- Younger than 65 years old and up to date* with CDC risk factors

Not currently eligible

Not currently eligible

Not currently eligible



*Up to date means a person has received all recommended COVID-19 vaccines, including booster dose(s) when eligible (bit.ly/CDCStayUptoDate).

**MI priority risk factors include:

Obesity (Body Mass Index >35), chronic respiratory disease, pregnancy (note: in pregnancy, molnupiravir should not be used and Paxlovid and remdesivir should be used with caution when sotrovimab is unavailable), chronic kidney disease (special considerations with Paxlovid), cardiovascular disease, and diabetes.



Talk to your health care provider or visit Michigan.gov/COVIDtherapy to learn more.



HEALTH
Department

FREE

Preschool and Kindergarten Entrance Hearing and Vision Screenings

3255 I22nd Avenue, Suite 200
Allegan, MI 49010

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



Upcoming Spring Clinics

9am - 12pm

By Appointment Only



March 4th

April 5th, 6th & 7th

May 6th

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



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



HEALTH
Department

GRATIS

Exámenes de visión y audición de Entrance para preescolar y jardín de infantes

3255 I22nd Avenue, Suite 200
Allegan, MI 49010

Llame al (269) 673-5411 para hacer una cita.



Próximas clínicas de primavera

9am - 12pm

Solo por cita



4 de Marzo

5, 6 & 7 de Abril

6 de Mayo

"La capacidad
de oír y ver, la
capacidad de
aprender, es la
clave del éxito
de un niño".



MIel Código de Salud Pública de Michigan
requiere una evaluación durante el
preescolar (de 3 a 5 años) y nuevamente
antes de ingresar al jardín de infantes. Una
vez que un niño comienza la escuela
primaria, los exámenes gratuitos continúan
de manera regular y son realizados por su
departamento de salud local.



ACHD COVID-19 Updates: Our last update is today.

If you want to stay up to date on public health news, including COVID-19, [sign up](#) for our monthly newsletter

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

Allegan County School Quarantine Guidance

updated 1/12/2022

What to do when a student is exposed to COVID-19 but doesn't have symptoms.

Masking helps keep kids in the classroom.

This guidance is for school setting exposures only.

If you are a household contact or outside school exposure, this guidance may not apply.

"Day 0" is day of last contact with a COVID+ student, teacher, or staff member.

ACHD asks for cooperation with quarantine options the parent chooses. If an individual refuses to comply, ACHD shall be forced to issue a warning notice pursuant to MCL 333.5203.








*-If a parent chooses their child to return to school after day 5, the parent is also expected that their child wears a mask for the next 5 days. If not, 10 day quarantine remains in effect.

**-If a parent chooses their child to test every other day for 6 days to stay in school, the parent is also expected that their child wears a mask for 10 days.


For more information, see our [2021-2022 COVID-19 School Guidance](#)

If the student exposed was:

Then they:

Distanced \leq 6 feet; tested positive for COVID-19 within the previous 90 days and recovered, regardless of masking 	Monitor symptoms for 10 days. Test on day 5, if possible ★				
Distanced \leq 6 feet; <u>up to date on their COVID-19 vaccines</u> , regardless of masking 	Monitor symptoms for 10 days. Test on day 5, if possible ★				
Distanced \leq 6 feet and masked; not vaccinated. COVID+ case was masked 	Monitor symptoms for 10 days. Test on day 5, if possible ★				
Distanced \leq 6 feet and masked; not vaccinated. COVID+ case was unmasked. OR Distanced \leq 6 feet and unmasked; not vaccinated. COVID+ case was masked. 	Test every other day for 6 days (for days 1-5). Wear a mask for 10 days**. Monitor symptoms for 10 days. ★ 	OR	Stay home for 5 days. Test on day 5, if possible. Wear a mask for 5 additional days*. ★	OR	Stay home and return after day 10.
Distanced \leq 6 feet and unmasked; not vaccinated 	Test every other day for 6 days (for days 1-5). Wear a mask for 10 days**. Monitor symptoms for 10 days. ★ 	OR	Stay home for 5 days. Test on day 5, if possible. Wear a mask for 5 additional days*. ★	OR	Stay home and return after day 10.

★ = Continue to mask

 = If testing to stay, may be able to participate in activities outside of school

 = Stay in person

 = Stay home



HEALTH Department



How to handle symptoms for students

updated 1/5/2022

DISCLAIMER: This information was developed based on the latest information, but is subject to change at any time.

What should parents/students do if they are experiencing symptoms of COVID-19 that are similar to other related illnesses/diseases? Use this flow chart to help with decision making on when a student can return to school.

Student has symptom (new/different/worse from baseline of any chronic illness):

- Temperature of 100.4 or signs of fever (chills/sweating)
- Sore throat
- Uncontrolled cough that causes difficulty breathing
- Diarrhea, vomiting, or abdominal pain
- Severe headache

Exclude student from school

Screen for close contact or potential exposure risk within last 14 days.

- Student had close contact with a COVID+ case

yes

no

Student diagnosed with COVID-19 OR no diagnosis is available.

Refer to healthcare provider or COVID-19 testing location for possible testing.

Student has negative test results.

See "Allegheny County School Quarantine Guidance" for students exposed to COVID. Student may return based on guidance for their symptoms. Must continue to mask.

- Fever: at least 24 hours have passed with no fever without the use of fever-reducing medications
- Sore throat: improvement (if strep throat: do not return until at least 2 doses of antibiotic have been taken)
- Cough/Shortness of breath: improvement
- Diarrhea, vomiting, abdominal pain: no diarrhea or vomiting for 24 hours
- Severe headache: improvement

Student may return based on the guidance for their symptoms

- Fever: at least 24 hours have passed with no fever without the use of fever-reducing medications
- Sore throat: improvement (if strep throat: do not return until at least 2 doses of antibiotic have been taken)
- Cough/Shortness of breath: improvement
- Diarrhea, vomiting, abdominal pain: no diarrhea or vomiting for 24 hours
- Severe headache: improvement

Home Isolation, regardless of vaccination status, until:

- At least 5 days since symptoms first appeared **and**
- At least 24 hours with no fever without fever-reducing medication **and**
- Symptoms have improved

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.

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

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

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



*Up-to-date: means a person has received all [recommended COVID-19 vaccines](#), including any booster dose(s) when eligible.

= Continue to mask around others

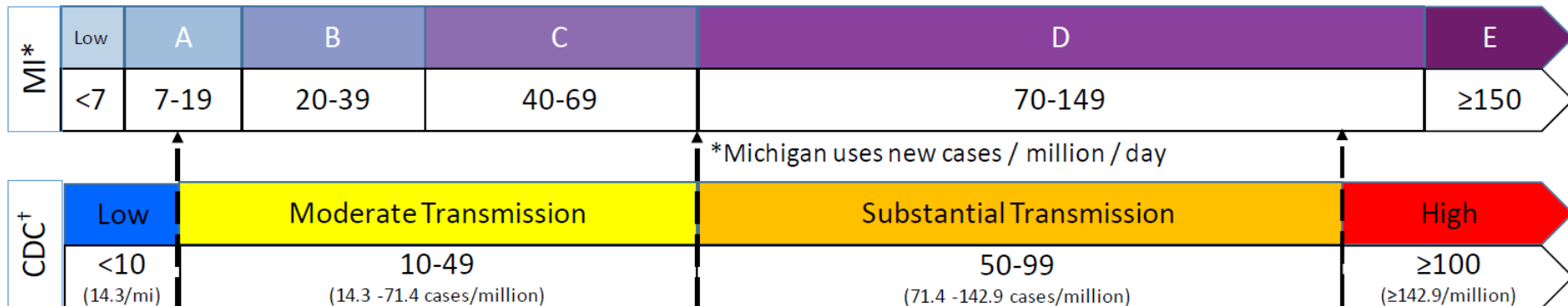
= Test after 5 days, if possible



Appendix A

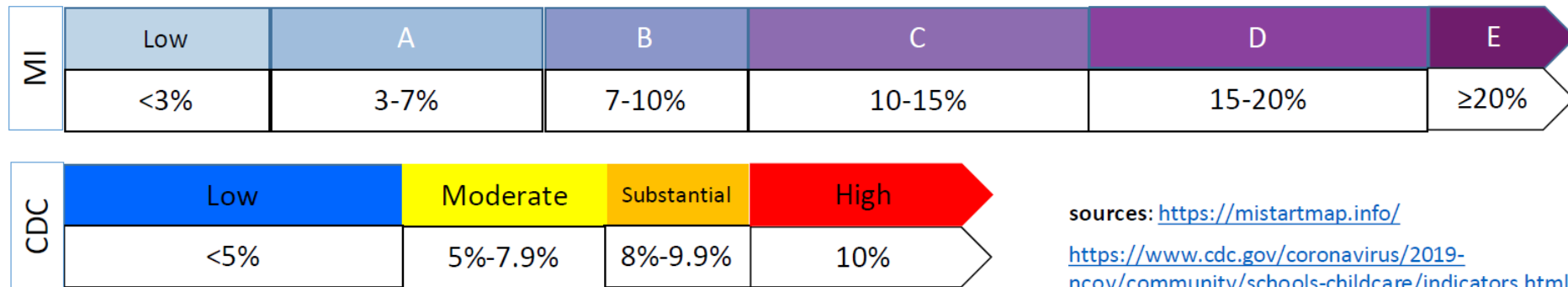
Comparing CDC community transmission thresholds to MI levels

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>



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.



For help finding a vaccination site, visit Michigan.gov/COVIDVaccine or call 2-1-1.

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

- ▶ 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 [website calendar](#) 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**

Testing Dates: Every Monday, Wednesday, & Friday testing events will be held from 12pm to 5pm at the Allegan County Transportation Building



Mitigation to Adaptation



COVID-19 Response



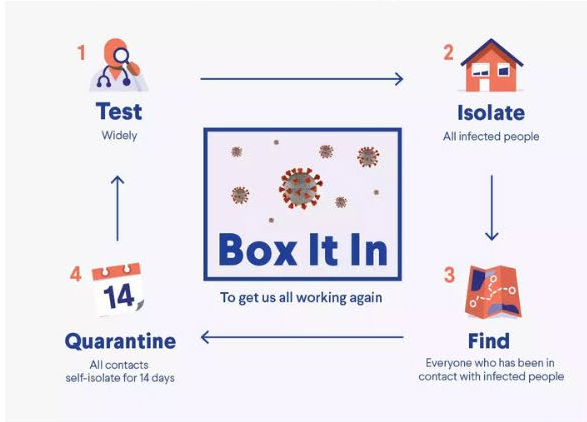
Given our current state, how do we move forward with adaptation? What resources are needed to do this?

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

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



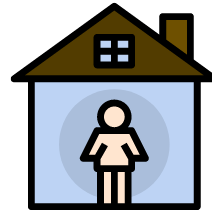
Robust Contact Tracing and Case Investigation



- 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.

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?

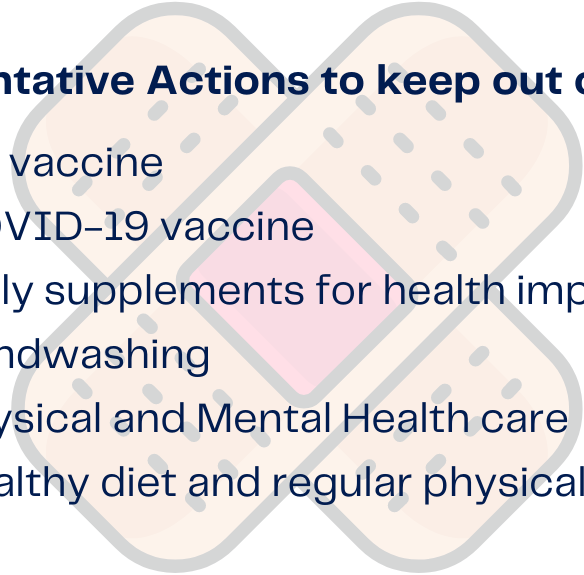


What other things should our community be monitoring?

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

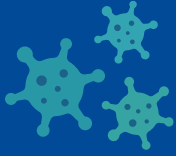
Considering social distancing or other barriers to put/keep in place when establishing work flow processes

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).