HEALTH
Department

COVID-19 Update

October 27, 2021

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 → Community Vaccination and/or Herd Immunity

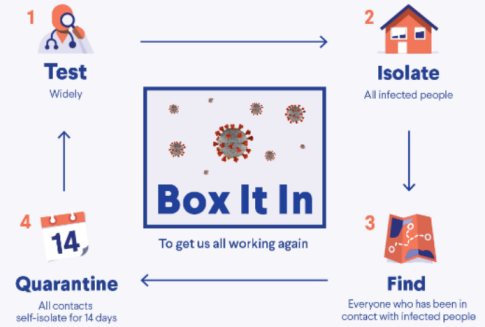
INCIDENT ACTION PLAN OBJECTIVES

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

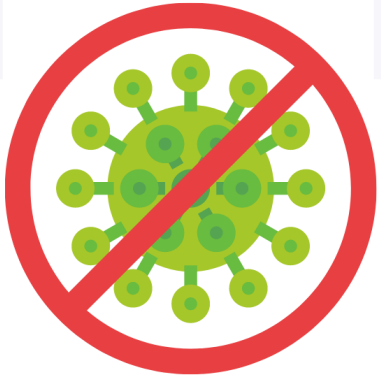
STATE & LOCAL ORDERS

Michigan Public Health Code

EPIDEMIOLOGICAL MODEL



HEALTHCARE CAPACITY

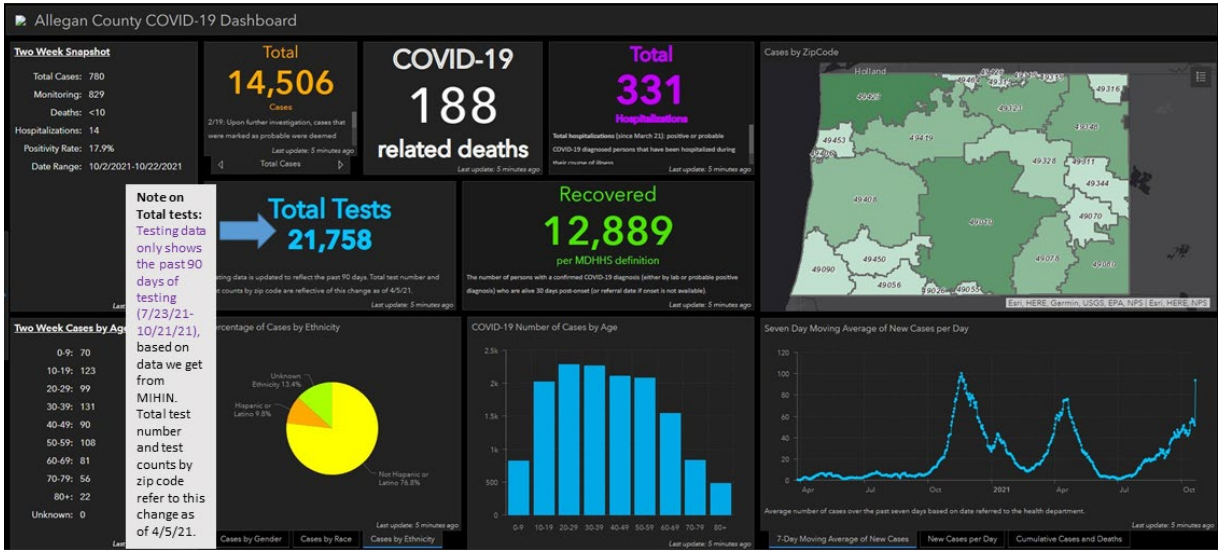


MORTALITY

Allegan County COVID-19 Dashboard

updated weekly on Fridays at 3pm.

- https://alleganco.maps.arcgis.com/apps/opsdashboard/index.html#/792287b41e3f485c97f968335b45ca6c
- Allegan County's COVID-19 data is updated Mondays, Wednesdays, and Fridays on the MDHHS COVID-19 website. Find the state's dashboard for COVID-19 cases and trends by visiting www.michigan.gov/coronavirus

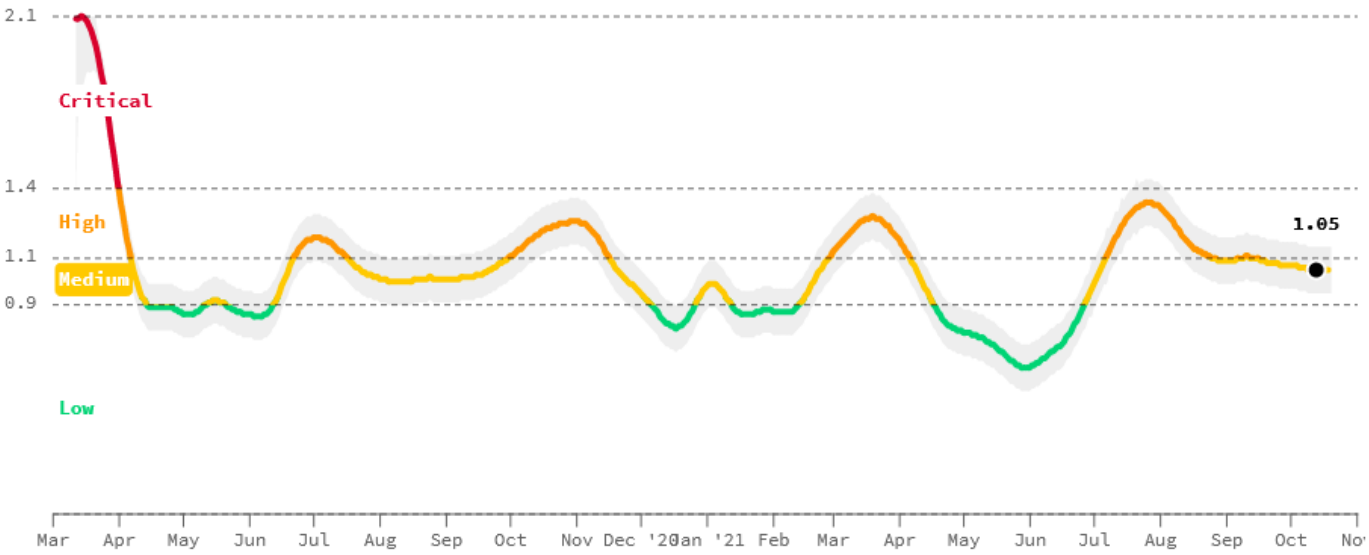


Cases

DAILY NEW CASES
• 40.1 PER 100K

INFECTION RATE
• 1.05

POSITIVE TEST RATE
• 9.5%



On average, each person in Michigan with COVID is infecting 1.05 other people. Because this number is around 1.0, it means that COVID continues to spread at about a constant rate. About this data

Share

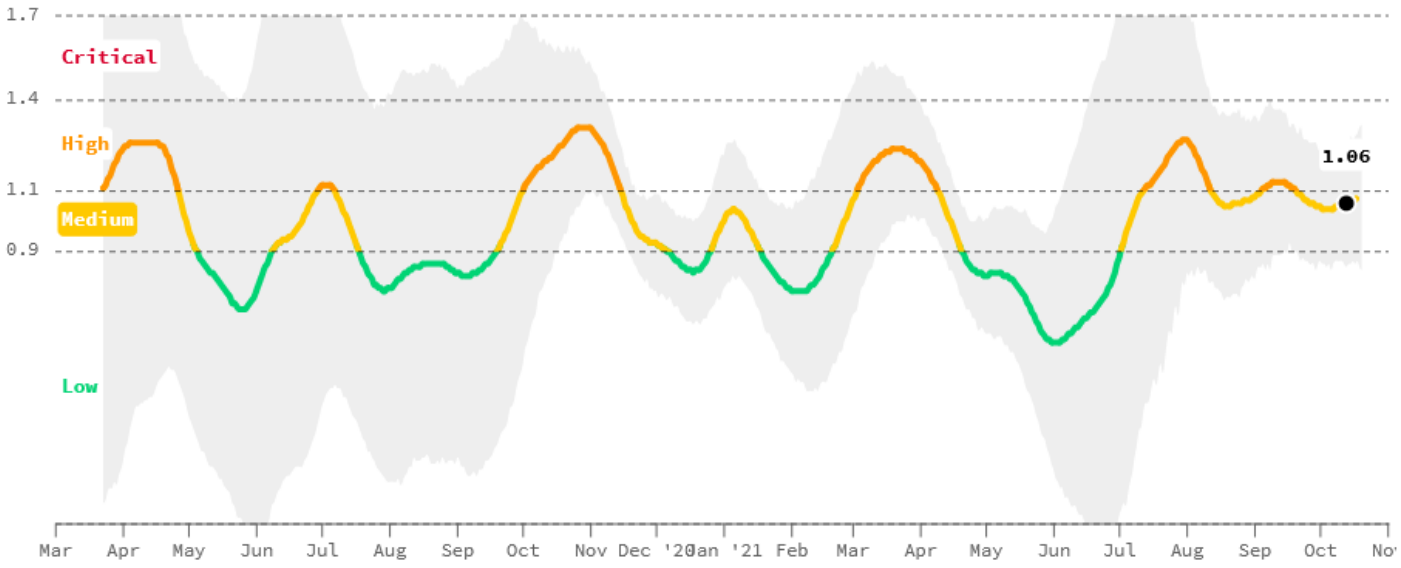
Updated 10/21/2021, data from 10/13/21

Cases

DAILY NEW CASES
• **46.0** PER 100K

INFECTION RATE
• **1.06**

POSITIVE TEST RATE
• **17.4%**



On average, each person in Allegan County, Michigan with COVID is infecting 1.06 other people. Because this number is around 1.0, it means that COVID continues to spread at about a constant rate. About this data

Share

Updated 10/21/2021, data from 10/13/21

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

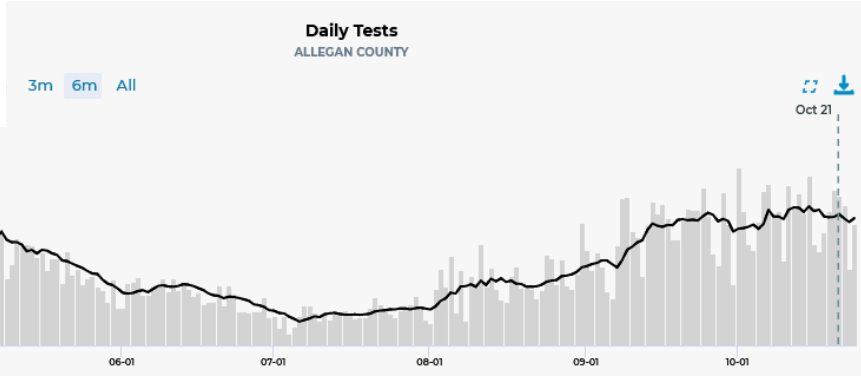
Allegan County, data as of 10/21/2021

Test Positivity
Oct 15 - Oct 21

16.8%
positive tests

3k
daily tests administered per million

1 week
Oct 08 - Oct 15



Risk Thresholds (% Positive)

Low: <5%

Moderate 5-<8%

Substantial 8-<10%

High >=10%

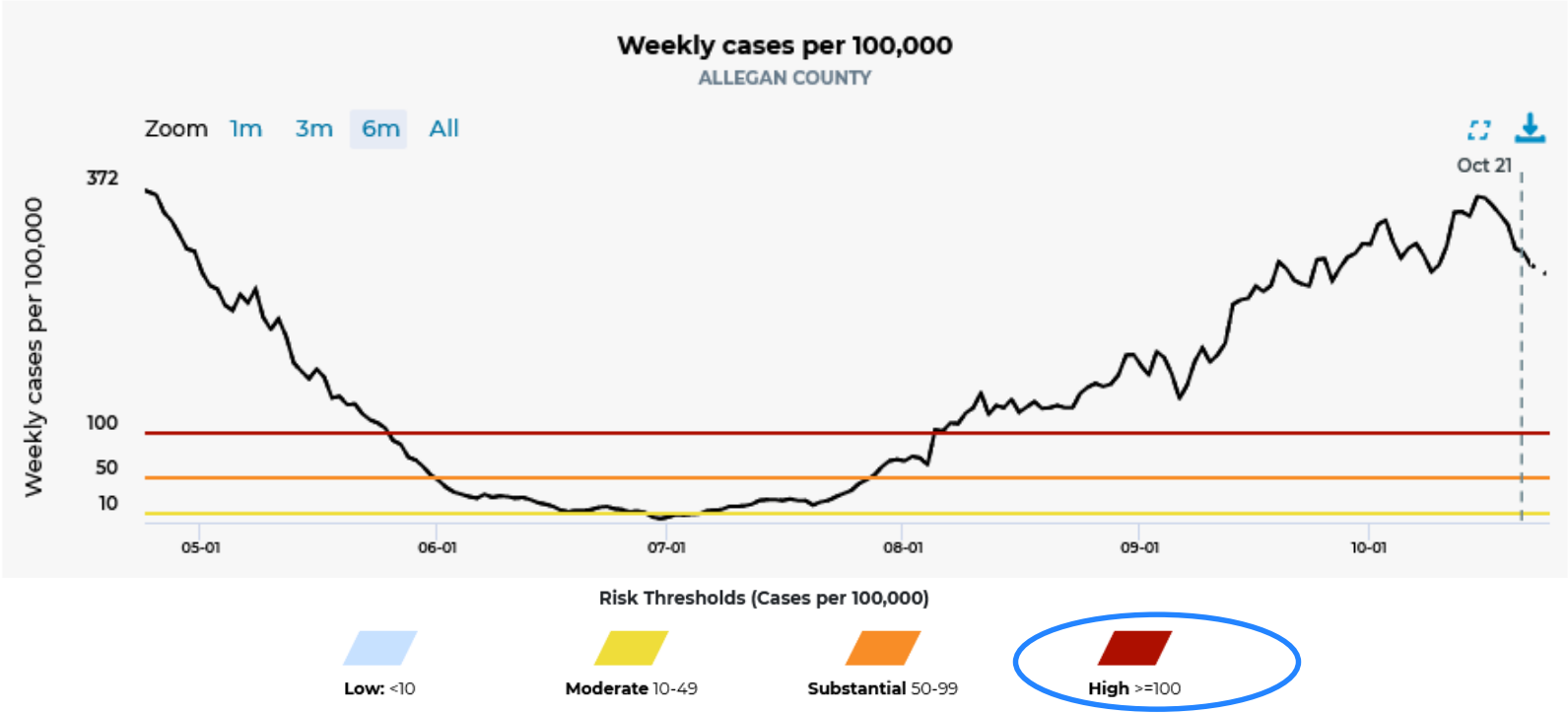
New Cases,

https://mistartmap.info/ Allegan County, data as of 10/21/2021

New Cases
Oct 15 - Oct 21

301.5
weekly cases per 100,000 population

356
weekly cases



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

Allegan County, data as of 10/19/2021

Compare Geographic Areas

AREA	REGION RISK LEVEL (OCT 19)	COUNTY RISK LEVEL (OCT 19)	DAILY CASES PER MIL. * (OCT 06 - OCT 12)	CDC CASE TREND (OCT 12)	% POSITIVE TESTS * (OCT 13 - OCT 19)	% POSITIVE WEEKLY TREND (OCT 19)	DAILY TESTS PER MIL. * (OCT 13 - OCT 19)
Allegan	E	E	401.6	13d ↘	18.4%	1w ↗	2,878.2
Barry	E	E	387.7	→	19.6%	2w ↗	2,740.3
Kalamazoo	E	E	265.4	→	8.9%	2w ↗	3,711.6
Kent	E	E	373.4	↗	16.8%	4w ↗	3,867.4
Ottawa	E	E	358.1	6d ↘	15.2%	3w ↗	3,461.4
Van Buren	E	E	320.7	10d ↘	13.5%	1w ↘	3,247.3

Epidemiologic Information, All Ages Allegan County

Overall	Percent
Healthcare Worker	5.8%
Live or work in high-risk/congregate facility	7.7%
First Responder	0.8%
Other Essential Worker/Critical Infrastructure	13.8%
Healthcare Contact to confirmed care	0.5%
Community Contact to confirmed case	9.5%
Household Contact to confirmed case	17.7%
Total Cases: 14,506	

Cases Reported in Past two weeks	Percent
In quarantine at time of onset/positive test	14.7%
Associated with known cluster/outbreak	2.1%
Any Contact to confirmed case	21.5%
Healthcare contact to confirmed case	0.4%
Community contact to confirmed case	3.9%
Household contact to confirmed case	18.0%
Attended Community Event/Mass Gathering	2.7%
Any Travel (international, domestic, in state)	3.8%
Source of Infection is unknown	24.7%
Number of cases reported in past 2 weeks: 791	

Data as of 10/22/2021. Source: Michigan Disease Surveillance System

Epidemiologic Information, Symptoms, All Ages Allegan County

Symptoms	Percent
Fatigue/Lethargy/ Weakness	70.5%
Cough	69.2%
Fever	52.1%
Chills	45.9%
Shortness of breath	22.6%
Muscle aches	57.5%
Headaches	68.4%
Runny Nose	51.9%
Nausea	24.8%
Congestion	62.6%
Sore throat	44.4%
Diarrhea	25.5%
Loss of Taste	43.9%
Loss of Smell	43.9%

Asymptomatic Cases: 11.6%

Total Cases: 14,506

Data as of 10/22/2021. Source: Michigan Disease Surveillance System

Elementary School Ages 5-10, As of October 22, 2021

As of March 2020,

47.6 % were household contact to a confirmed case

18.9 % were asymptomatic cases (no symptoms but tested positive for COVID-19)

CASES REPORTED IN PAST TWO WEEKS **Data from 10/09/2021 to 10/22/21**

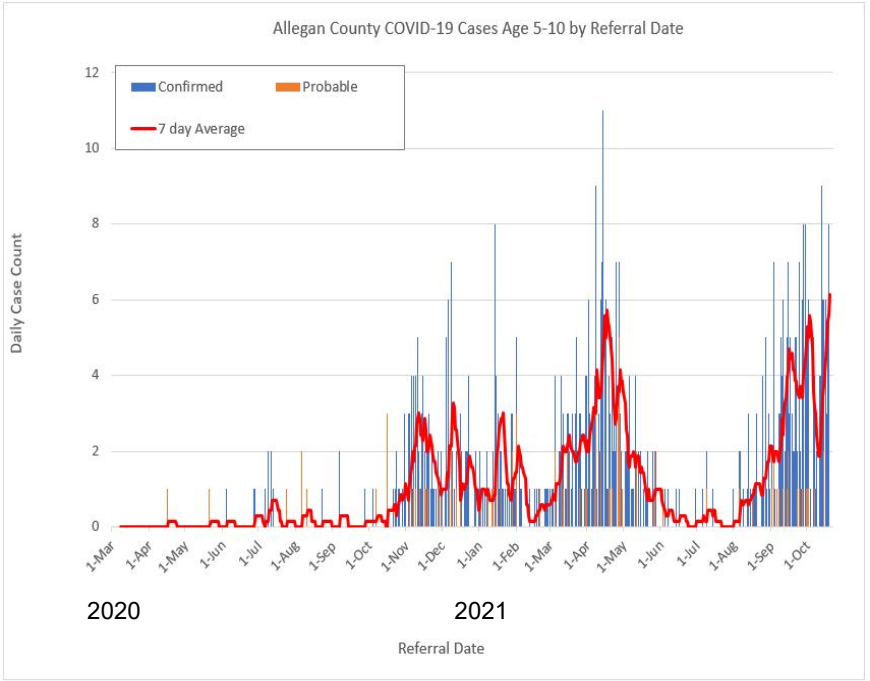
For this section to auto-calculate,
enter the date you exported the data here -----> 10/22/21
mm/dd/yy

Number of Cases reported in past two weeks 61

	Count	% **
In quarantine at time of onset/positive test	12	19.7%
Associated with known cluster/outbreak	1	1.6%
Any contact (HC, Comm, HH) to confirmed case	25	41.0%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	4	6.6%
Household Contact to confirmed case	22	36.1%
Attended Community Event/Mass Gathering	0	0.0%
Any Travel (international, domestic, in state)	1	1.6%
Source of infection is unknown	28	45.9%

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

Total Cases March 2020 to October 22, 2021: 654



Source: Michigan Disease Surveillance System

Middle School Ages 11-13, As of October 22, 2021

As of March 2020,

44.5 % were household contact to a confirmed case

15.2 % were asymptomatic cases (no symptoms but tested positive for COVID-19)

CASES REPORTED IN PAST TWO WEEKS Data from 10/09/2021 to 10/22/21

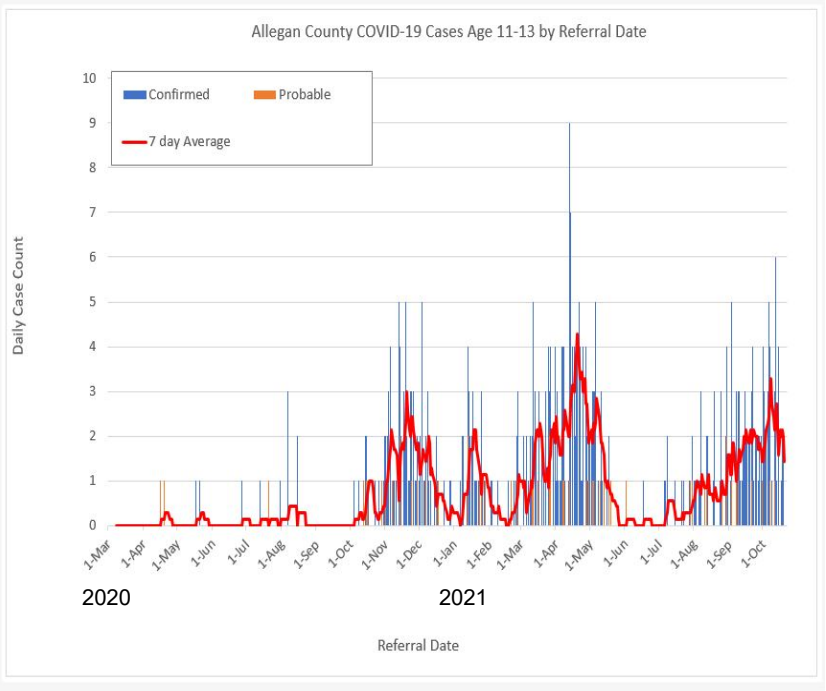
For this section to auto-calculate,
enter the date you exported the data here -----> 10/22/21
mm/dd/yy

Number of Cases reported in past two weeks 24

	Count	% **
In quarantine at time of onset/positive test	7	29.2%
Associated with known cluster/outbreak	0	0.0%
Any contact (HC, Comm, HH) to confirmed case	14	58.3%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	0	0.0%
Household Contact to confirmed case	14	58.3%
Attended Community Event/Mass Gathering	0	0.0%
Any Travel (international, domestic, in state)	1	4.2%
Source of infection is unknown	5	20.8%

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

Total Cases March 2020 to October 22, 2021: 445



Source: Michigan Disease Surveillance System

High School Ages 14-17, As of October 22, 2021

As of March 2020,

24.0 % were household contact to a confirmed case

12.9 % were asymptomatic cases (no symptoms but tested positive for COVID-19)

Total Cases March 2020 to October 22, 2021: 964

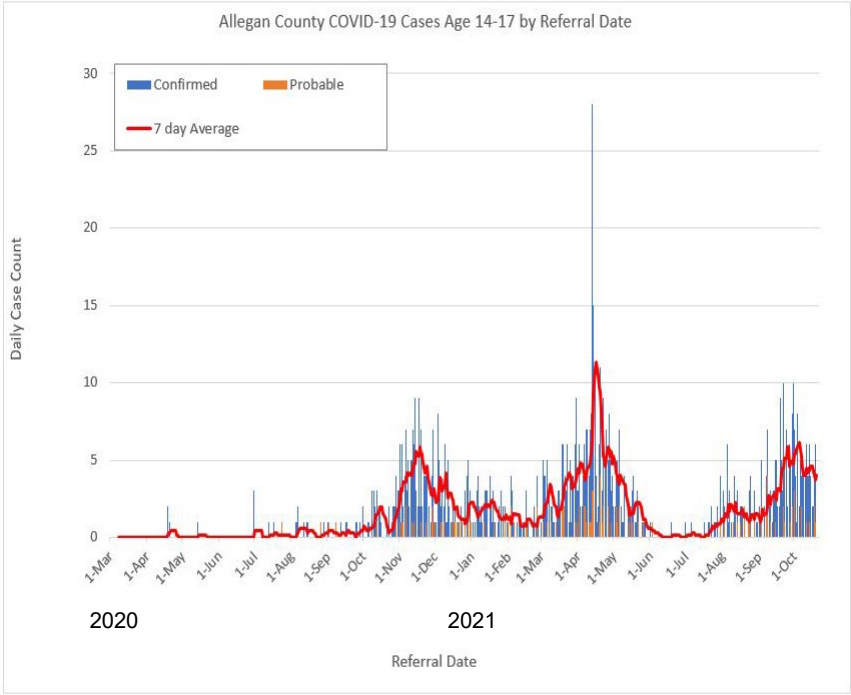
CASES REPORTED IN PAST TWO WEEKS Data from 10/09/2021 to 10/22/21

For this section to auto-calculate,
enter the date you exported the data here -----> 10/22/21
mm/dd/yy

Number of Cases reported in past two weeks 66

	Count	% **
In quarantine at time of onset/positive test	11	16.7%
Associated with known cluster/outbreak	2	3.0%
Any contact (HC, Comm, HH) to confirmed case	20	30.3%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	3	4.5%
Household Contact to confirmed case	17	25.8%
Attended Community Event/Mass Gathering	1	1.5%
Any Travel (international, domestic, in state)	0	0.0%
Source of infection is unknown	29	43.9%

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



Source: Michigan Disease Surveillance System

Allegan County Breakdown of Total COVID-19 Cases by School Age (3-17) , from March 2020 to October 22, 2021

Breakdown of Cases by School Age Categories	
Total Case Count	2189
Number of Cases <18 years	2189
% 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	126	5.8%	5.8%
K-5th grade age	5-10 years	654	29.9%	29.9%
6-8th grade age	11-13 years	445	20.3%	20.3%
9-12th grade age	14-17 years	964	44.0%	44.0%

**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 October 22 2021

Breakdown of Cases by School Age Categories	
Total Case Count	156
Number of Cases <18 years	156
% 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	10	6.4%	6.4%
K-5th grade age	5-10 years	61	39.1%	39.1%
6-8th grade age	11-13 years	23	14.7%	14.7%
9-12th grade age	14-17 years	62	39.7%	39.7%

**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:

5-10 years: 36.1%

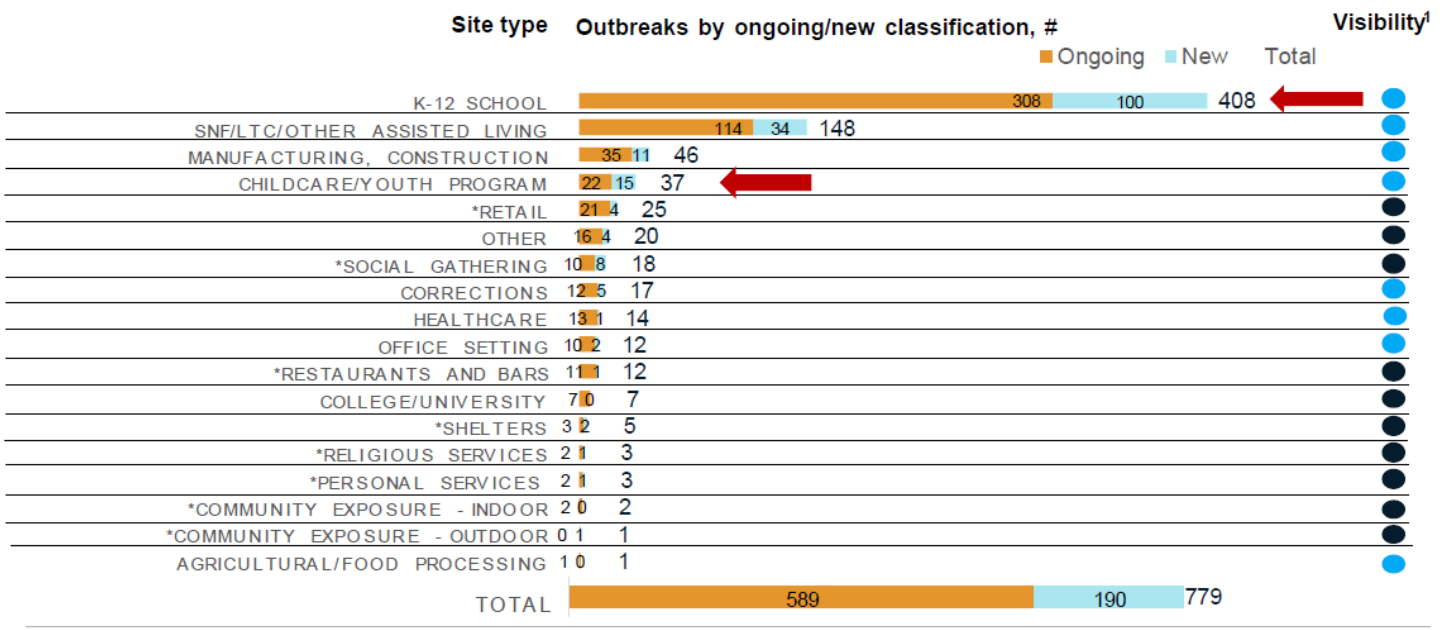
11-13 years: 58.3%

14-17 years: 25.8%

Source: Michigan Disease Surveillance System

Number of Weekly Reported Outbreaks

Number of outbreak investigations by site type, week ending Oct 14



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

NOTE: Many factors, including the lack of ability to conduct effective contact tracing in certain settings, may result in significant underreporting of outbreaks. This chart does not provide a complete picture of outbreaks in Michigan and the absence of identified outbreaks in a particular setting in no way provides evidence that, in fact, that setting is not having outbreaks.
NOTE (10/4): MDHHS adopted the new CSTE school cluster and outbreak definition which impacts how transmissions within school-sponsored settings are reported to the health department

Source: LHD Weekly Sitreps

Total number of active outbreaks is **up 3%** from previous week, with 190 new outbreaks identified

K-12 schools reported the greatest number of new outbreaks and clusters (100) this week, and there were an additional 15 new outbreaks in childcare and youth programs for a total of 115 outbreaks in settings primarily with 0-19-year-olds. (61% of all known new outbreaks)

The next greatest number of new outbreaks was among SNF/LTC (34), followed by manufacturing/construction (11), social gathering (8), and 10 other settings with at least 1 new outbreak in the last week.

As of 10/21/21, ACHD has identified **3 ongoing** outbreaks and **3 new** outbreaks.

- 2 in Manufacturing/Construction
- 2 School K-12 setting
- 2 LTCF

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

SARS-CoV-2 Variants Circulating in the United States, Oct 1 – Oct 9 (NOWCAST)

**

B.1.617.2

10/9/21

USA

WHO label	Lineage #	US Class	%Total	95%PI
Alpha	B.1.1.7	VBM	0.0%	0.0-0.0%
Gamma	P.1	VBM	0.0%	0.0-0.0%
Delta	B.1.617.2	VOC	99.9%	99.8-99.9%
	AY.1	VOC	0.0%	0.0-0.1%
	AY.2	VOC	0.0%	0.0-0.0%
Mu	B.1.621	VBM	0.0%	0.0-0.0%
Other	Other*		0.0%	0.0-0.1%

* 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.

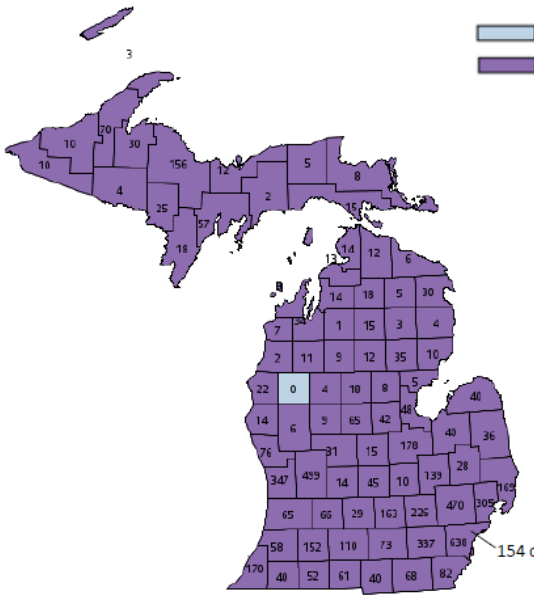
** These data include Nowcast estimates, which are modeled projections that may differ from weighted estimates generated at later dates

Sublineages of P.1 and B.1.621 are aggregated with the parent lineage and included in parent lineage's proportion. Q.1-Q.8 are aggregated with B.1.1.7. AY.3-AY.38 and their sublineages are aggregated with B.1.617.2.

Data last updated Oct 18, 2021

Source: MDSS

Variants of Concern in Michigan, Oct 18



- CDC has reclassified other VOCs as variants being monitored
- Variants are downgraded when there has been a significant and sustained reduction in prevalence, or variant no longer poses significant risk to public health
- Currently, only Delta (B.1.617.2) remains a VOC

Variant	MI Reported Cases¶	# of Counties	MDHHS Est. Prevalence
B.1.617.2 (delta)	5,916	82	100%

Allegan County has **65** reported Delta variant cases (as of 10/18/21). Note: not every positive case is serosequenced for a variant.

Sufficient Health Care Capacity

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

Statewide Hospital Capacity Report COVID-19 10/25/2021**

Region	All Hospital Beds	All Adult Hospital Beds	All Hospital Inpatient Beds	All Hospital Inpatient Bed Occupancy	Adult Hospital Inpatient Beds	Adult Hosp Inpatient Bed Occupancy	ICU Beds	ICU Bed Occupancy	Adult ICU Beds	Adult ICU Bed Occupancy
Region 5	1684	1667	1430	1022	1390	998	199	152	186	144
Region 6	3186	2804	2890	2322	2526	2004	384	335	230	193

COVID-19 Metrics 10/25/21, by HCC Region

HCC Region	Region 5	Region 6
Total Hospitalized Adult Suspected/Confirmed	157	367
Adult Confirmed-Positive COVID	149	359
Hospitalized Peds Confirmed/Suspected	3	10
Hospitalized Ped Confirmed-Positive	2	9
Hospitalized and Ventilated COVID	16	70
Adult ICU Confirmed/Suspected COVID	38	90
ICU Adult Confirmed-Positive COVID	37	87
Prev Day COVID Related ED Visits	146	159

Region 5	Region 6
↓	↑
↓	↑
↑	↑
↑	↑
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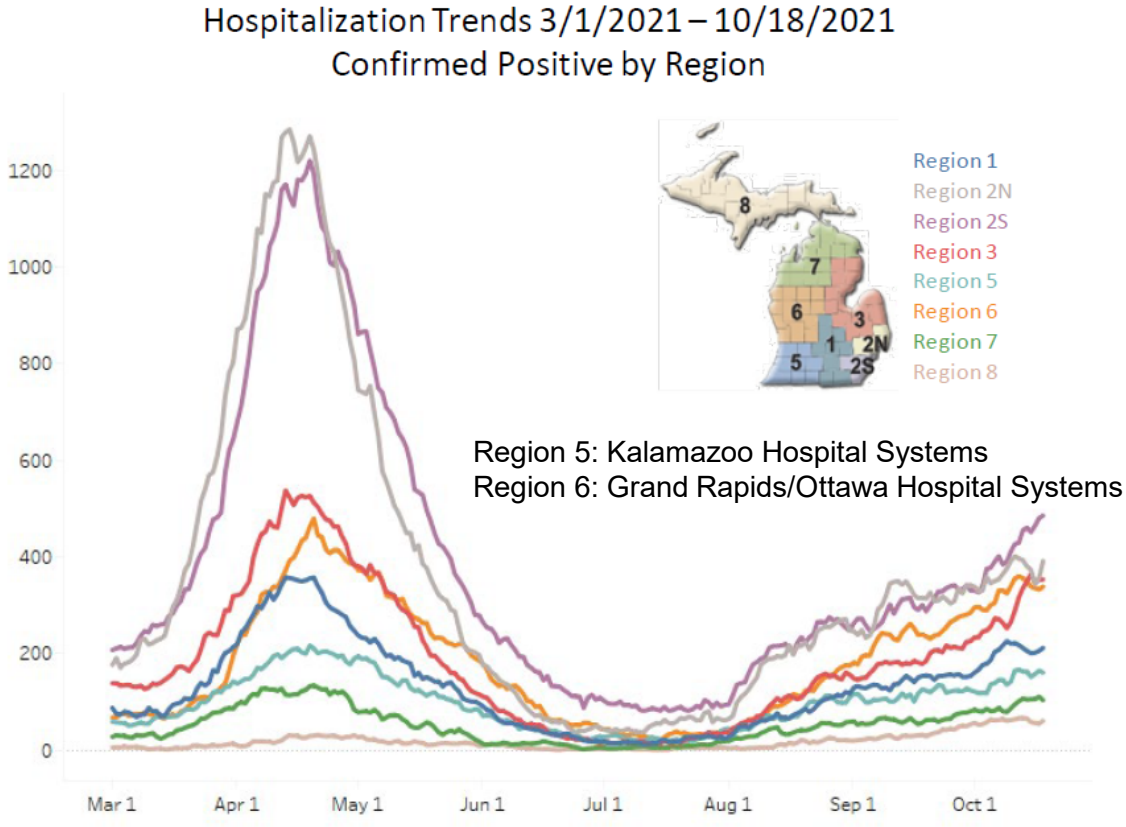
Statewide Hospitalization Trends: Regional COVID+ Census



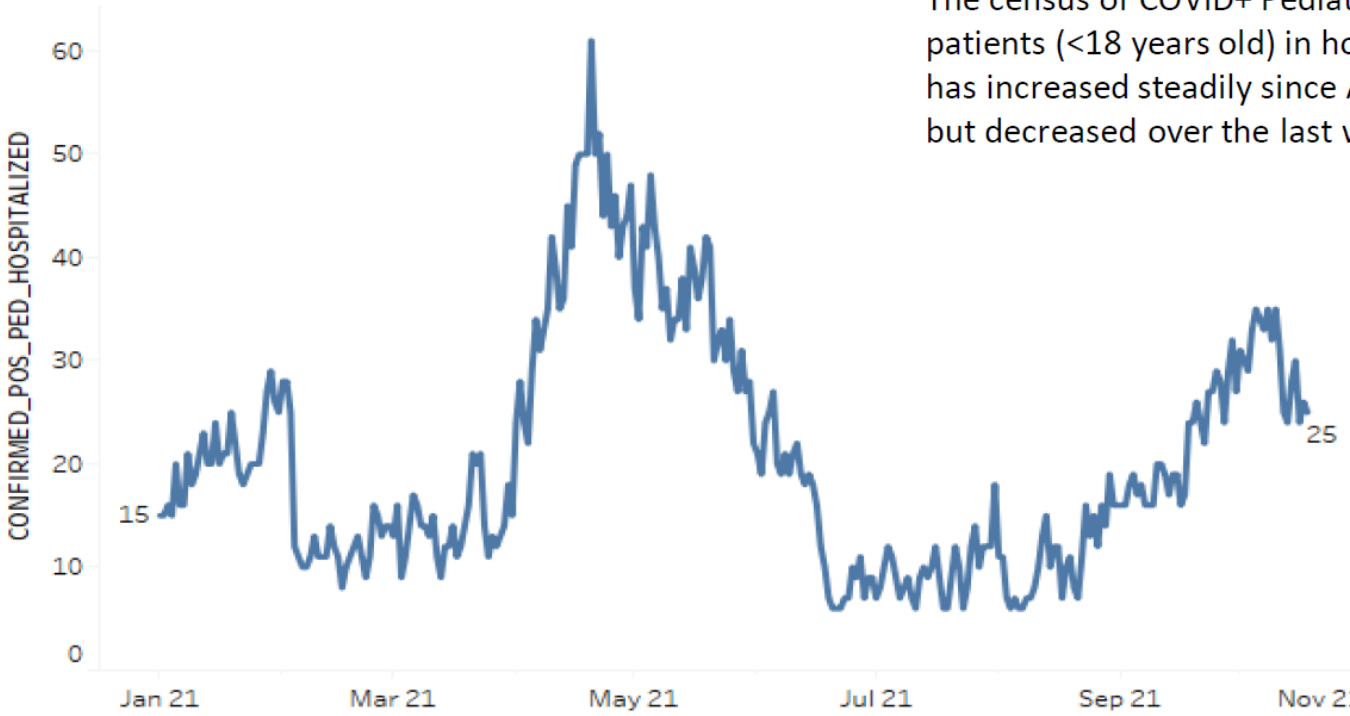
The census of COVID+ patients has increased in 3 regions and decreased slightly in the other regions of the state. Regions 2S and 3 show the largest increases this week.

Regions 3 is over 300/M population hospitalized and Regions 2S, 6 and 7 have greater than 200 hospitalizations/M.

Region	COVID+ Hospitalizations (% Δ from last week)	COVID+ Hospitalizations / MM
Region 1	211 (-5%)	195/M
Region 2N	391 (-2%)	177/M
Region 2S	485 (14%)	218/M
Region 3	353 (23%)	311/M
Region 5	160 (-2%)	168/M
Region 6	338 (-5%)	230/M
Region 7	103 (10%)	206/M
Region 8	60 (-5%)	193/M

Statewide Hospitalization Trends: Pediatric COVID+ Census

The census of COVID+ Pediatric patients (<18 years old) in hospitals has increased steadily since August but decreased over the last week



Source: MDHHS October 19 Data Update

Allegan County
BREAKTHROUGH CASE DATA

All Ages in Allegan County

As of 10/12/21, there are 0.94% **(516/54,846)** reported vaccine breakthrough cases.

12-19 year olds in Allegan County

As of 10/12/21, there are 0.46% **(21/4,533)** reported vaccine breakthrough cases, 16 cases are under age of 18.

What do these numbers mean?

To calculate breakthrough cases, we take the number of fully vaccinated COVID positive cases, divided by the total number of fully vaccinated individuals in Allegan County.

Vaccine Breakthrough %= (number of fully vaccinated, COVID+ cases/total number of fully vaccinated individuals)

Age Group Vaccine Breakthrough %= (number of fully vaccinated, COVID+ cases in age group/total number of fully vaccinated individuals in age group)

Comparing hospitalizations and death of unvaccinated and vaccinated in Allegan County

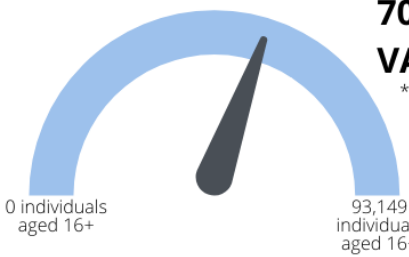
Since 1/1/21 to 10/12/21, there have been **167 hospitalizations** and **80 deaths** due to COVID-19

- **24 of the 167 hospitalizations (14.4%)** were fully-vaccinated individuals. All breakthrough case related hospitalizations were over the age of 40.
- **6 of the 80 deaths (7.5%)** were fully-vaccinated individuals. All breakthrough case related deaths were over the age of 65.

Allegan County VACCINE DATA

Updated 10/25/21
Data as of 10/22/21

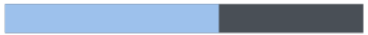
61.5%



70% OF ELIGIBLE INDIVIDUALS* VACCINATED BY END OF 2021

*Allegan County residents age 16+

As of October 22, **59,627** people have been vaccinated**



17,080 people ages 65 and older have been vaccinated**

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

Over 1 in 2 individuals are fully vaccinated (56%).

Over 4 in 5 individuals aged 65 and older are fully vaccinated (80.7%).

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

Total Doses Distributed*

96,780

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

Total Doses Administered*

109,783

***includes 1st and 2nd doses and based on person's residence.**

PLANNED CLINICS October 26, 2021 to November 9, 2021

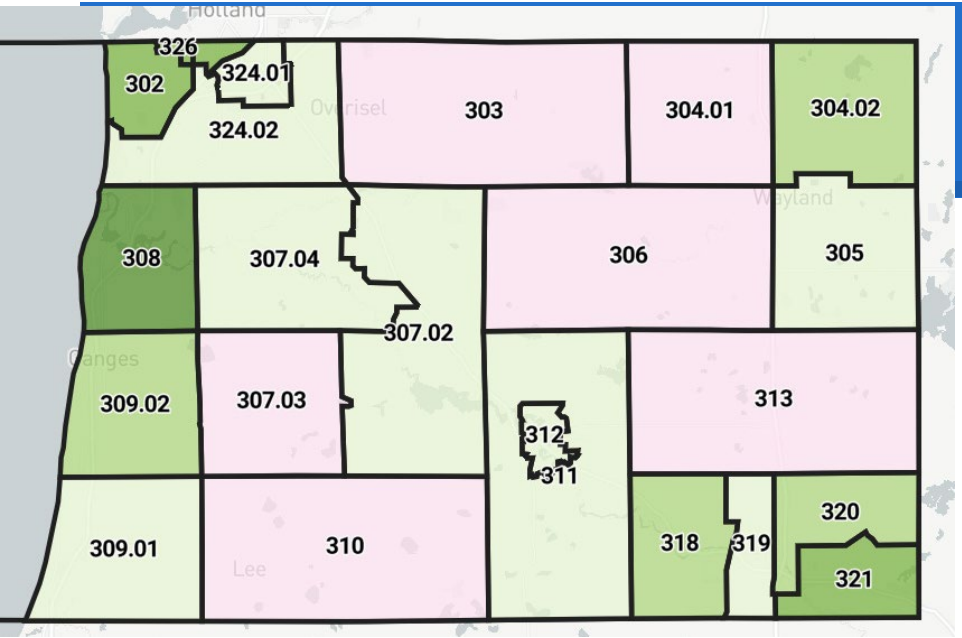
7 Clinics

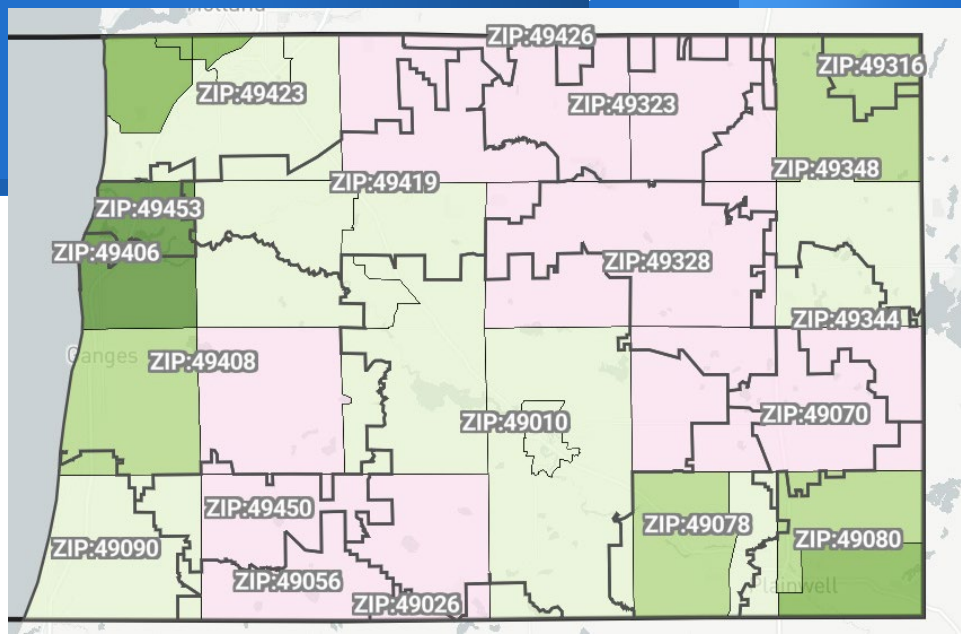
250 Doses

Note: Our goal of vaccinating 70% of the population accounted for the 16 and older population. With increasing the eligibility population, our vaccine coverage decreased. We are continuing to strive towards our goal of vaccinating 70% of residents 16 and older, which will reflect on the gauge at the top of this graphic.
6/1/2021 Update: Previous vaccine graphics included 96,451 as the population of Allegan County residents 12 years and older. After further review, 99,878 is a more accurate population estimation.

HEALTH Department

Data as of 10/24/21

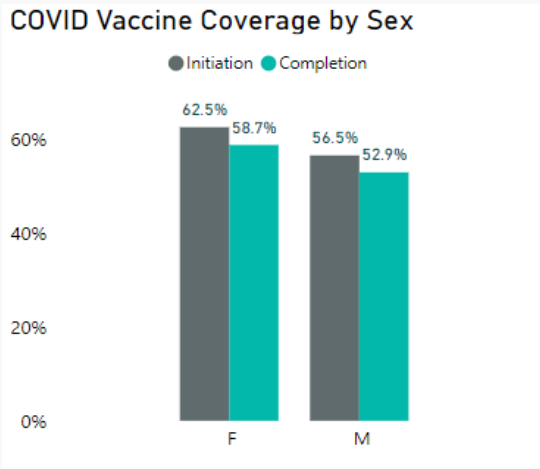


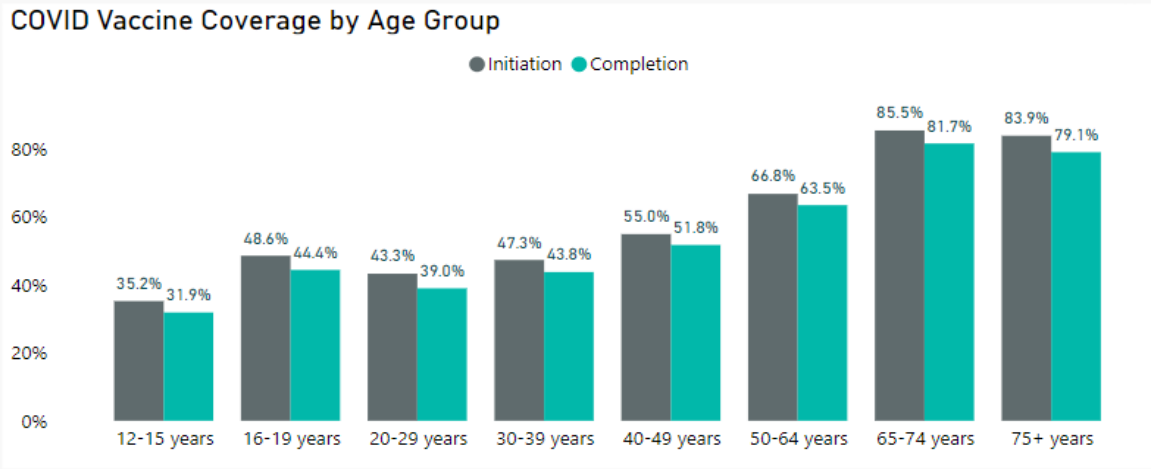


Color coded by: Fully Vaccinated (% Ages 16+)

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

Allegan Vaccination Rates by Age, As of October 22, 2021



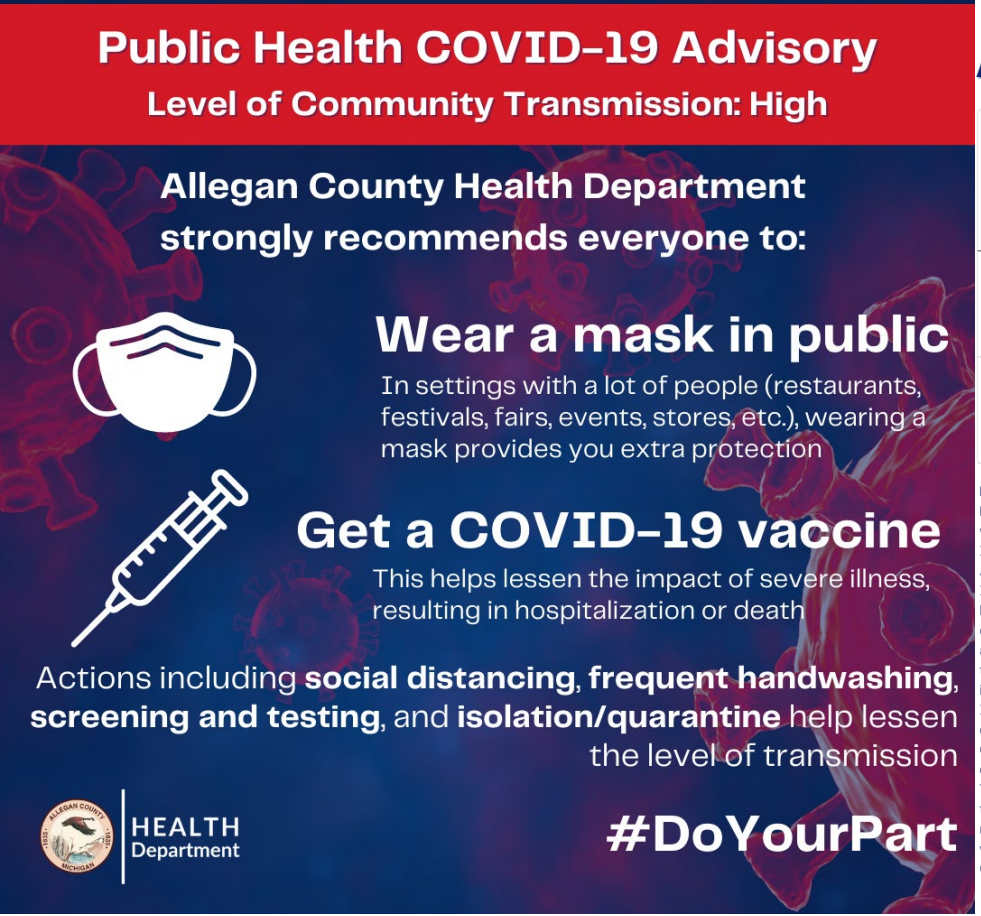


Age 12-15
Initiated: 2,371: **35.2%**
Completed: 2,145**: 31.9%**

Age 16-19
Initiated: 2,807: **48.6%**
Completed: 2,566**: 44.4%**

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



CDC Levels of Community Transmission

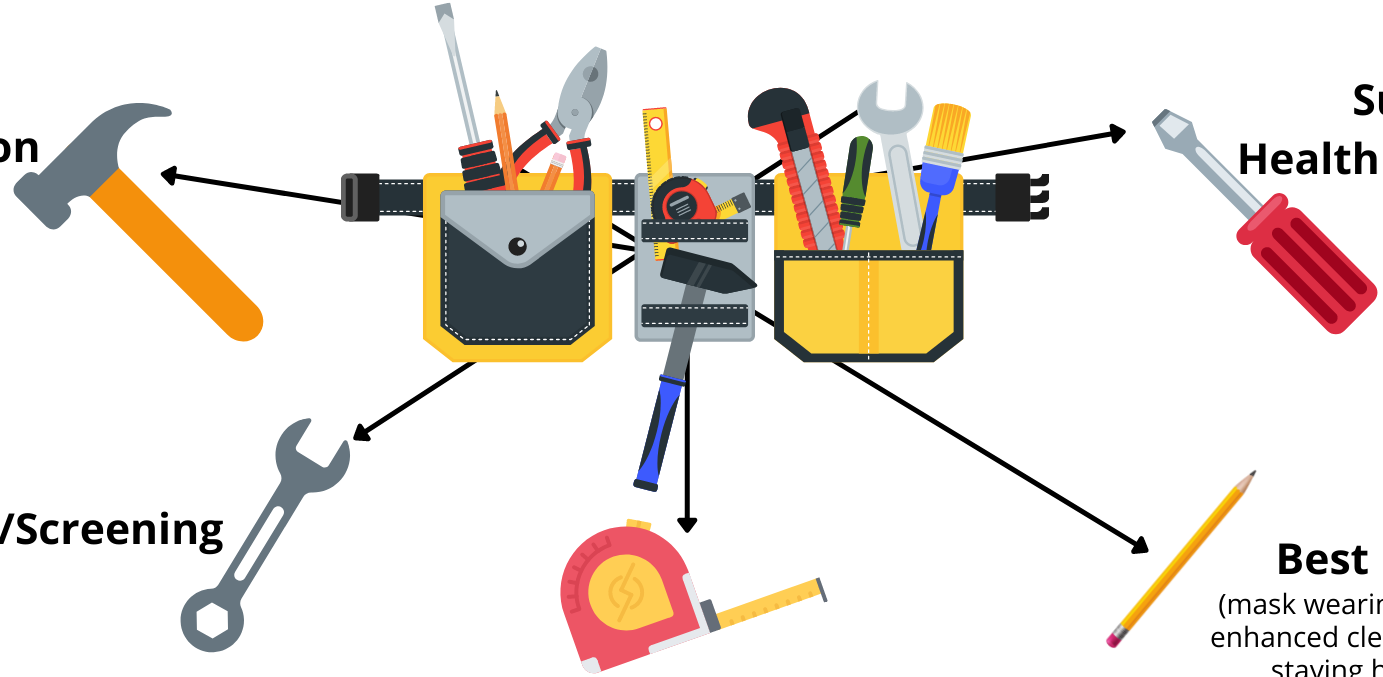
Allegan County Level of Community Transmission: High

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

Footnote:

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

TOOLS THAT HELP PREVENT COVID-19 IN SCHOOLS/BUSINESSES



Vaccination

Sufficient Health Care Capacity

Testing/Screening

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

Contact Tracing/Case Investigation

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

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

Mitigation vs. Adaptation of COVID-19

- Mitigation strategies help reduce the severity of illness and burden. Effective mitigation takes community cooperation.
- Adaptation is learning how to adjust and live with COVID-19 in our communities. **What is the new normal?**
  - Healthy workplace policies

Halloween

- Tips for all persons include getting the COVID-19 vaccine if you are eligible (ages 12 and over), staying home if you are sick, wearing a mask that covers both the mouth and nose, washing hands often and/or using hand sanitizer containing at least 60 percent alcohol, and coughing or sneezing into your elbow.
- We strongly recommend outdoor activities

Monoclonal Antibody (MAB) Treatment for COVID-19

What is MAB Treatment?

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

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

Who can receive MAB Treatment?

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

Are over the age of 65

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

OR

Over the age of 12 with:

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

How do I get MAB Treatment?

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

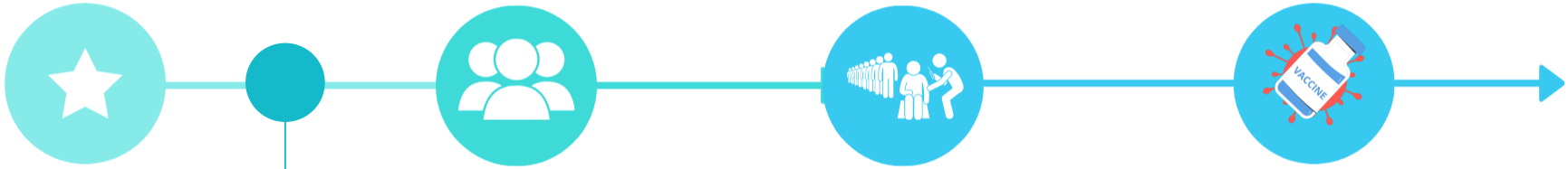
Talk to your doctor or primary provider about MAB treatment if you have COVID-19 or are a close contact at high risk for severe disease or hospitalization.

ALLEGAN COUNTY MICHIGAN 1851 1895 HEALTH Department

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

5-11 YEAR OLD COVID-19 VACCINE AUTHORIZATION

Timeline



END OF OCTOBER/ EARLY NOVEMBER

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

AFTER FDA EUA

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

AFTER ACIP MEET

CDC announces recommendations

ACHD STARTS VACCINATIONS

Once recommendations have been established,

ACHD has ordered and expects to receive shipment 3-5 days after approval

CDC and MDHHS state you cannot use the adult/adolescent vaccine vials for pediatric. Doses and volume are different. Optimistically projecting 11/8

Update: VRBPAC (an external scientific advisory committee to the FDA) met 10/26 and voted in favor of the Pfizer COVID19 vaccine for 5-11 year olds.
Next Stop: Full review by FDA

Pfizer-BioNTech COVID-19 Vaccines

PRELIMINARY – SUBJECT TO CHANGE PENDING REGULATORY GUIDANCE AND AUTHORIZATION/APPROVAL

Description	Current Adult/Adolescent Formulation (1170 and 450 packs)	Future Pediatric Formulation
	Dilute Prior to Use	*Dilute Prior to Use*
Age Group	12 years and older	5 to <12 years**
Vial Cap Color	PURPLE 	ORANGE 
Dose	30 mcg	10 mcg
Injection Volume	0.3 mL	0.2 mL
Fill Volume (before dilution)	0.45 mL	1.3 mL
Amount of Diluent* Needed per Vial	1.8 mL	1.3 mL
Doses per Vial	6 doses per vial (after dilution)	10 doses per vial (after dilution)
Storage Conditions		
ULT Freezer (-90°C to -60°C)	9 months	6 months
Freezer (-25°C to -15°C)	2 weeks	N/A
Refrigerator (2°C to 8°C)	1 month	10 weeks

Q: Can the current adult/adolescent formulation (purple cap) be used to vaccinate children 5 to <12 years old once the vaccine is authorized for this age group?

A: No. For children under 12 years of age, you cannot use the current formulation and will need to use the future pediatric (orange cap) formulation.

Purple Cap – Adult/Adolescent: Authorized only for aged 12 years and older

Orange Cap – Pediatric: Future authorization for aged 5- to 12 years. A separate vaccine formulation specific for a 10mcg dose will be introduced.

NOTE: Use of the current adult/adolescent formulation (purple cap) to prepare doses for children 5 to <12 years would result in an injection volume for the 10mcg dose of 0.1mL, which is both generally considered too small for typical IM injections and has not been studied.

***Diluent: 0.9% sterile Sodium Chloride Injection, USP (non-bacteriostatic; DO NOT USE OTHER DILUENTS**

****The vaccine is currently under emergency use authorization review by the Food and Drug Administration (FDA) for children 5 to <12 years old**

Full Series expected to be two doses three weeks apart

https://downloads.aap.org/DOPCSP/PfizerPedsOnePagerForPlanning-10.14.21.pdf

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

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

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

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

MDHHS
Michigan Department of Health & Human Services

	booster dose	additional dose
For	People aged 65 years and older, residents aged 18 years and older in long-term care settings, and people aged 56–64 years with certain underlying medical conditions **should get a booster dose**. Based on individual benefits and risks, people aged 18–49 years who are at high risk for severe COVID-19 due to certain underlying medical conditions and people aged 18–64 years who are at increased risk for COVID-19 exposure because of occupational* or institutional setting **may get a booster dose**.	People who are moderately to severely immunocompromised **should get an additional dose.**
Minimum time after 2nd dose	**6 months**	**28 days**
Initial vaccine	**Pfizer**	**Pfizer or Moderna**

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

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

Booster Eligibility

- **Eligibility groups for a Moderna or Pfizer vaccine booster include:**
  - Anyone 65 and older.
  - Anyone 18 and older with a medical condition that increases their risk of severe COVID-19 illness such as obesity, diabetes, high blood pressure, kidney disease and others.
  - Anyone 18 years or older who lives or works in a high-risk setting for being exposed to COVID-19 such as residents of congregate living facilities, health care workers, first responders, educators, childcare staff, food and agriculture workers, manufacturing workers, and others.
  - Anyone described above who previously received two doses of Moderna or Pfizer vaccine with a second dose being at least 6 months ago
- **Eligibility groups for J&J vaccine booster include:**
  - All Johnson & Johnson recipients age 18 and older at least two months after their initial shot

What is "mixing and matching"?

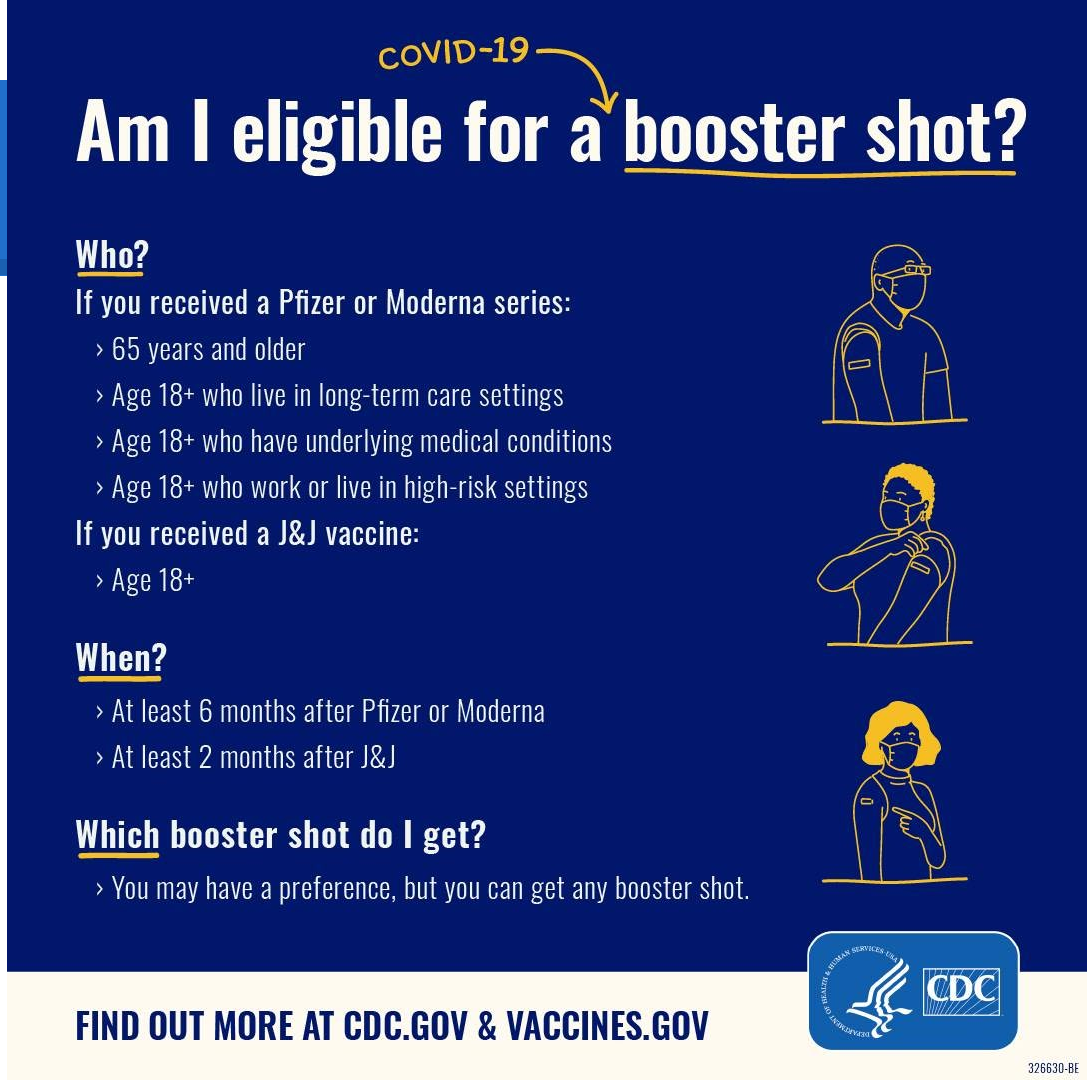
"Mixing and matching" is getting a different COVID-19 booster than your initial vaccine.

The CDC advises people to get the same booster as their initial vaccine, but allows people to mix and match if they have a different preference.

As of 10/22/2021

Boosters

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



Testing Expanded

- ACHD has worked with partners to expand testing availability. Drive Thru testing will be available at the vaccine clinic locations. More information will be available in a press release.

- **Data on Testing Events, Wednesdays from 1-7pm at ACT**
  - September: 283 (3 testing events)
  - October: 389 (3 testing events, 1 happening today)

COVID-19 Vaccination and Non–COVID-19 Mortality Risk

- A new study looking at millions of vaccinated and unvaccinated people found no increased risk of death among COVID-19 vaccine recipients.
- The report looks at 7 months of data from a large population. COVID-19 vaccines are effective at helping prevent COVID-19 infection, including severe illness and death.
- This study's findings provide additional information that vaccines are safe, and the benefits outweigh potential risk.

[View the study referenced here]

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

OCTOBER VACCINE CLINICS

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

Friday, October 1 | 11:00am-3:00pm
Love INC., 943 56th St., Pullman

Friday, October 8 | 1:00pm-4:00pm
Plainwell Department of Public Safety,
119 Island Ave., Plainwell

Sunday, October 10 | 3:00pm-6:00pm
Hamilton High School, 4911 136th Ave., Hamilton

Tuesday, October 12 | 3:00pm-6:00pm
Casco United Methodist Church,
880 66th St., South Haven

Thursday, October 14 | 5:00pm-7:30pm
Starr Elementary School,
601 School Dr., Plainwell

Monday, October 18 | 3:00pm-6:00pm
Allegan High School, 1560 M-40, Allegan

Tuesday, October 19 | 3:00pm-6:00pm
Casco United Methodist Church,
880 66th St., South Haven

Thursday October 21 | 10:00am-2:00pm
First Baptist Church, 1290 32nd St., Allegan

Monday, October 25 | 3:00pm-6:00pm
Allegan High School, 1560 M-40, Allegan

Tuesday, October 26 | 3:00pm-6:00pm
Casco United Methodist Church,
880 66th St., South Haven

Friday, October 29 | 1:00pm-4:00pm
Plainwell Department of Public Safety,
119 Island Ave., Plainwell

Pfizer-BioNTech Booster Shots available to those who are eligible
(Minors ages 12 to 17 will need a parent or legal guardian to accompany them to their appointment in order to provide consent to receive the COVID-19 vaccine)

HEALTH Department

Due to increased demand with boosters, we highly recommend you schedule an appointment ahead of time by visiting www.allegancounty.org/covid

NOVEMBER VACCINE CLINICS

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

Monday, November 1 | 3:00pm-6:00pm
Allegan High School, 1560 M-40, Allegan

Tuesday, November 2 | 3:00pm-6:00pm
Casco United Methodist Church,
880 66th St., South Haven

Thursday, November 4 | 5:00pm-7:30pm
Starr Elementary School,
601 School Dr., Plainwell

Monday, November 8 | 3:00pm-6:00pm
Allegan High School, 1560 M-40, Allegan

Tuesday, November 9 | 3:00pm-6:00pm
Casco United Methodist Church,
880 66th St., South Haven

Saturday, November 13 | 10:00am-1:00pm
Wayland High School,
870 E. Superior St., Wayland

Sunday, November 14 | 3:00pm-6:00pm
Hamilton High School,
4911 136th Ave., Hamilton

Tuesday, November 16 | 3:00pm-6:00pm
Casco United Methodist Church,
880 66th St., South Haven

Thursday, November 18 | 5:00pm-7:30pm
Starr Elementary School,
601 School Dr., Plainwell

Friday, November 19 | 1:00pm-4:00pm
Plainwell Department of Public Safety,
119 Island Ave., Plainwell

Monday, November 22 | 3:00pm-6:00pm
Allegan High School, 1560 M-40, Allegan

Tuesday, November 23 | 3:00pm-6:00pm
Casco United Methodist Church,
880 66th St., South Haven

Monday, November 29 | 3:00pm-6:00pm
Allegan High School, 1560 M-40, Allegan

HEALTH Department

Pfizer-BioNTech, Moderna, and J&J Booster Shots available to those who are eligible
(Minors ages 12 to 17 will need a parent or legal guardian to accompany them to their appointment in order to provide consent to receive the COVID-19 vaccine)

Due to increased demand with boosters, we highly recommend you schedule an appointment ahead of time by visiting www.allegancounty.org/covid

DRIVE THRU COVID-19 TESTING EVENTS

Every Wednesday: 1pm - 7pm

Allegan County Transportation Building
750 Airway Dr., Allegan

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

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

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

HEALTH Department

CONDUCE A TRAVÉS DE EVENTOS DE PRUEBA DE COVID 19

Cada Miércoles: 1pm - 7pm

Allegan County Transportation Building
750 Airway Dr., Allegan

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

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

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

HEALTH Department

Confirmed Cyanobacteria Blooms in Swan Lake

ADVISORY

CONFIRMED CYANOBACTERIA HARMFUL BLOOMS PRESENT.

KEEP PEOPLE AND PETS OUT OF AREA.

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

HEALTH Department Environmental Health (269) 673-5415

FREE

Preschool and Kindergarten Entrance Hearing and Vision Screenings

HEALTH Department

3255 122nd Avenue, Suite 200
Allegan, MI 49010

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

Upcoming Clinics
9am – 12pm
By Appointment Only

Friday, September 3rd

Friday, October 1st

Friday, November 5th

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

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

michigan HEARING & VISION screening programs

Pregnant women and children under the age of 6 are more susceptible to lead poisoning

Why is it important to test for lead poisoning?

There is no safe blood lead level in children, and even relatively low levels of lead exposure can impair a child's cognitive development.

Children with blood lead levels can experience delayed growth and development, damage to the brain and nervous system, learning and behavior problems, and a host of other health-related issues.

The only way to know if you have a recent or on-going exposure to lead is to get a blood lead test. You can contact your healthcare provider to request a blood test to see if you and your loved ones are being exposed.

Ascension Borgess

Get the FLU SHOT not the flu!

Allegan County Health Department

Wed, Oct 6, 9am-11am

Thurs, Oct 28, 2pm-4pm

Wed, Nov 17, 11am-1pm

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

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

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

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

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

Questions?

Questions, concerns, or more information needed? Please complete an inquiry form

Appendices

Appendix A

Comparing CDC community transmission thresholds to MI levels

Case Rate*†

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

*Michigan uses new cases / million / day

	Low	Moderate Transmission	Substantial Transmission	High
CDC†	<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

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

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

sources: https://mistartmap.info/

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