



HEALTH
Department

COVID-19 Update

September 8, 2021



For today's meeting:

- ▶ Discuss current data related to cases, test positivity, and vaccine coverage
- ▶ Highlights related to COVID-19
 - ▶ MDHHS Quarantine Updates
 - ▶ Monoclonal treatment
 - ▶ Boosters
- ▶ Outbreaks and universal masking as mitigation strategy
- ▶ Questions from community stakeholders

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 by County

● 12237-128465



Allegan

Tuesday, September 07, 2021

Michigan (Statewide) Case Fatality Rate

2.1%

Current Totals

Case Status	Cases	Deaths
Confirmed	10,974	143
Probable	1,264	24
Total	12,238	167

Laboratory Testing

TestType	Tests Performed
Diagnostic	133,676
Serology	3,317
Total	136,993

Cases

DAILY NEW CASES

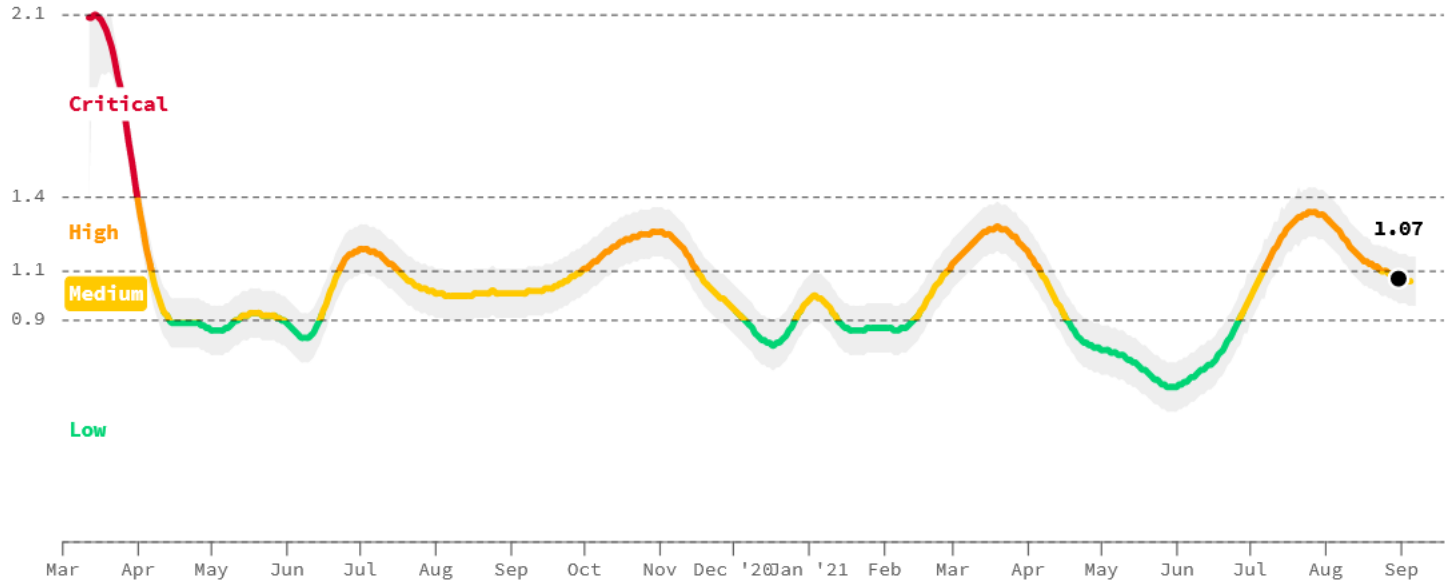
• **24.7** PER 100K

INFECTION RATE


• **1.07**

POSITIVE TEST RATE

• **8.5%**



On average, each person in Michigan with COVID is infecting 1.07 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 9/8/2021, data from 9/1/21

Cases

DAILY NEW CASES

● **15.6** PER 100K

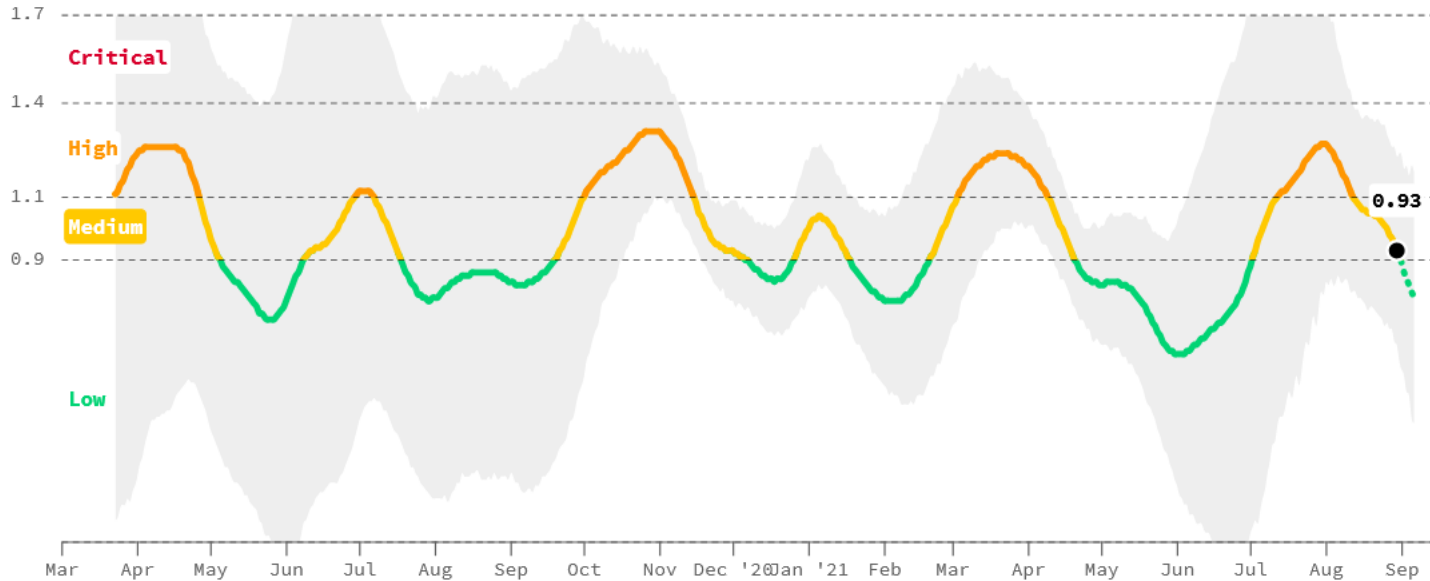
INFECTION RATE

● **0.93**

POSITIVE TEST RATE

● **12.1%**

← Calculated on 9/3/2021 from previous week



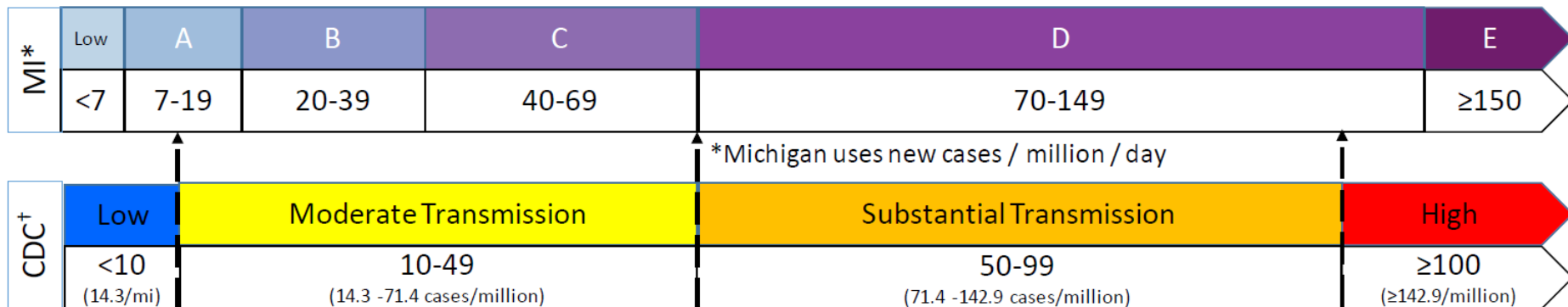
On average, each person in Allegan County, Michigan with COVID is infecting 0.93 other people. Because this number is around 1.0, it means that COVID continues to spread at about a constant rate. [About this data](#)

Share

Updated 9/7/2021, data from 8/30/21

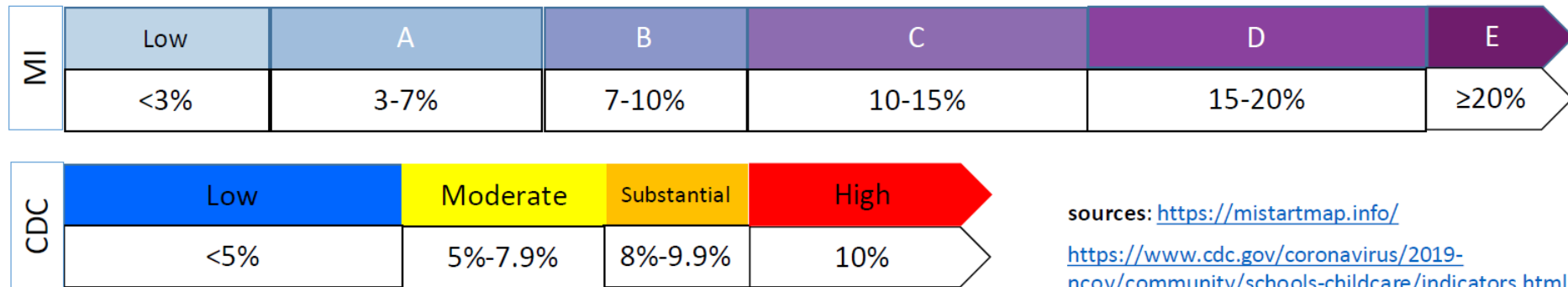
Comparing CDC community transmission thresholds to MI levels

Case Rate*†



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

Percent Positivity



sources: <https://mistartmap.info/>
<https://www.cdc.gov/coronavirus/2019-ncov/community/schools-childcare/indicators.html>

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

Alleghen County, data as of 9/2/2021

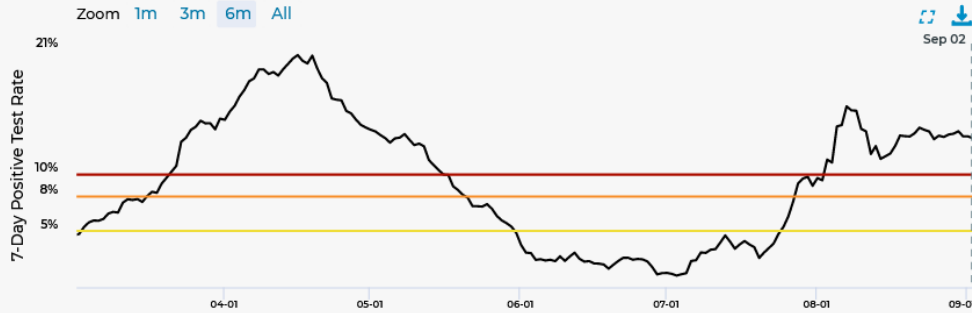
✓ **Test Positivity**
Aug 27 - Sep 02

13.2%
positive tests

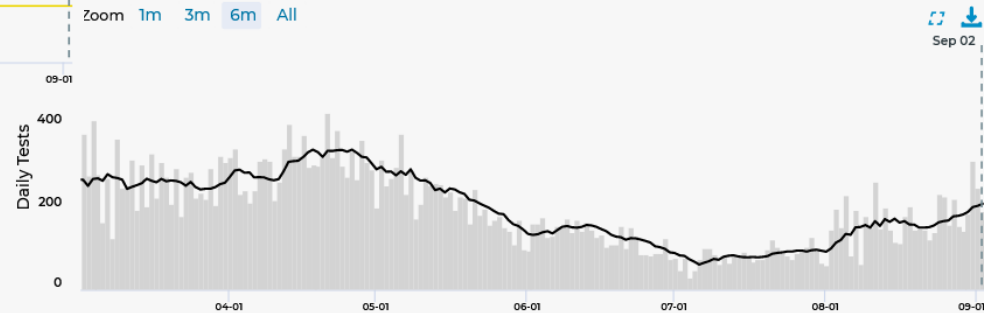
1.4k
tests administered



7-Day Positive Test Rate
ALLEGHEN COUNTY



Daily Tests
ALLEGHEN COUNTY



Risk Thresholds (% Positive)



Low: <5%



Moderate 5-<8%



Substantial 8-<10%



High >=10%

New Cases,

<https://mistartmap.info/> Allegan County, data as of 9/2/2021



New Cases

Aug 27 - Sep 02

160.9

weekly cases per
100,000 population



190

weekly cases

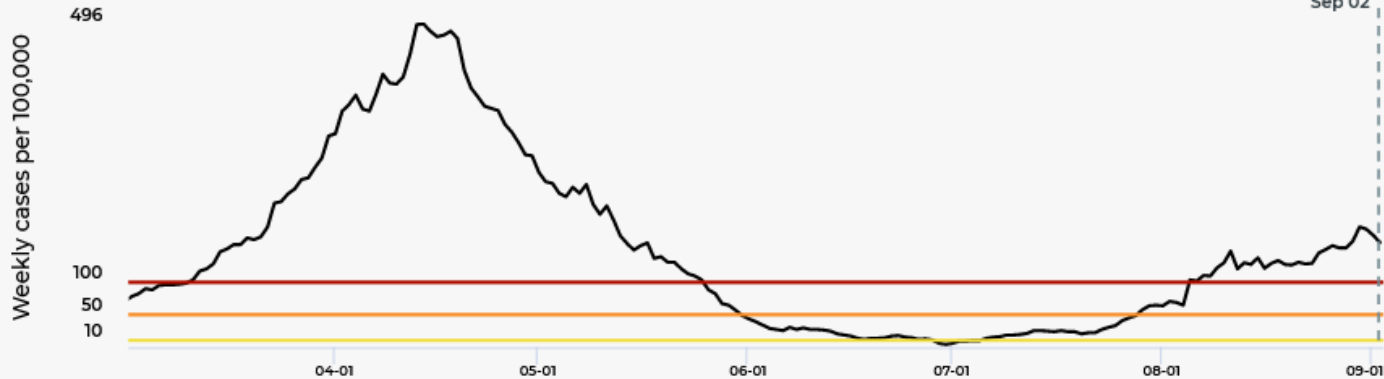
Weekly cases per 100,000

ALLEGAN COUNTY

Zoom 1m 3m 6m All



Sep 02



risk thresholds (cases per 100,000)



Low: <10



Moderate 10-49



Substantial 50-99



High ≥ 100

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

Allegan County, data as of 9/2/2021

Sep 2, 2021

AREA	REGION RISK LEVEL	COUNTY RISK LEVEL	DAILY CASES PER MIL.	WEEKLY CASES PER 100,000 POPULATION	CDC CASE TREND	% POSITIVE TESTS	POSITIVE TESTS	POSITIVE TESTS	% POSITIVE WEEKLY TREND	DAILY TESTS PER MIL.
Allegan	E	E	142.5	160.9	0	13.2%	13.2%	13.2%	1w ↘	1,827.0
Barry	E	E	233.1	211.2	1	15.0%	15.0%	15.0%	9w ↗	1,907.7
Kalamazoo	E	E	188.9	158.4	0	9.3%	9.3%	9.3%	2w ↘	2,342.9
Kent	E	E	226.3	203.8	1	11.8%	11.8%	11.8%	9w ↗	3,136.6
Ottawa	E	E	243.4	224.4	1	13.5%	13.5%	13.5%	2w ↗	2,933.2
Van Buren	E	D	96.7	105.7	0	9.5%	9.5%	9.5%	2w ↘	1,975.6

Epidemiologic Information, All Ages Allegan County

Overall	Percent
Healthcare Worker	6.1%
Live or work in high-risk/congregate facility	8.3%
First Responder	0.9%
Other Essential Worker/Critical Infrastructure	15.3%
Healthcare Contact to confirmed care	0.6%
Community Contact to confirmed case	10.2%
Household Contact to confirmed case	17.4%
Total Cases: 12,266	Asymptomatic Cases: 12.4%

Cases Reported in Past two weeks	Percent
In quarantine at time of onset/positive test	21.5%
Associated with known cluster/outbreak	1.8%
Any Contact to confirmed case	29.7%
Healthcare contact to confirmed case	0.2%
Community contact to confirmed case	11.0%
Household contact to confirmed case	19.4%
Attended Community Event/Mass Gathering	4.3%
Any Travel (international, domestic, in state)	10.0%
Source of Infection is unknown	35.8%
Number of cases reported in past 2 weeks: 438	

Epidemiologic Information, Ages 5-11, Allegan County

Overall	Percent
Healthcare Worker	0.0%
Live or work in high-risk/congregate facility	0.0%
First Responder	0.0%
Other Essential Worker/Critical Infrastructure	0.2%
Healthcare Contact to confirmed case	0.0%
Community Contact to confirmed case	14.4%
Household Contact to confirmed case	50.2%
Total Cases: 564	Asymptomatic Cases: 20.1%

Cases Reported in Past two weeks	Percent
In quarantine at time of onset/positive test	31.4%
Associated with known cluster/outbreak	5.7%
Any Contact to confirmed case	71.4%
Healthcare contact to confirmed case	0.0%
Community contact to confirmed case	20.0%
Household contact to confirmed case	54.3%
Attended Community Event/Mass Gathering	0%
Any Travel (international, domestic, in state)	14.3%
Source of Infection is unknown	20.0%
Number of cases reported in past 2 weeks: 35	

Epidemiologic Information, Ages 12-17, Allegan County

Overall	Percent
Healthcare Worker	0.3%
Live or work in high-risk/congregate facility	0.9%
First Responder	0.0%
Other Essential Worker/Critical Infrastructure	1.9%
Healthcare Contact to confirmed case	0.0%
Community Contact to confirmed case	14.7%
Household Contact to confirmed case	29.3%
Total Cases: 1,028	Asymptomatic Cases: 15.7%

Cases Reported in Past two weeks	Percent
In quarantine at time of onset/positive test	26.2%
Associated with known cluster/outbreak	0%
Any Contact to confirmed case	38.1%
Healthcare contact to confirmed case	0.0%
Community contact to confirmed case	16.7%
Household contact to confirmed case	23.8%
Attended Community Event/Mass Gathering	2.4%
Any Travel (international, domestic, in state)	9.5%
Source of Infection is unknown	52.4%
Number of cases reported in past 2 weeks: 42	

Breakdown of Cases by School Age Categories

Total Case Count	12266
Number of Cases <18 years	1830
% cases <18 years	14.9%

Data as of 9/7/2021.
Source: Michigan Disease Surveillance System

<u>Approximate Grade Level</u>	<u>Age</u>	<u>Case Count*</u>	<u>% total cases</u>	<u>% cases <18 years</u>
	0-2 years	146	1.2%	8.0%
Pre-K age	3-4 years	91	0.7%	5.0%
K-5th grade age	5-10 years	472	3.8%	25.8%
6-8th grade age	11-13 years	356	2.9%	19.5%
9-12th grade age	14-17 years	765	6.2%	41.8%

*Case counts are based on case ages, which have been grouped into approximate grade levels. These counts may not reflect the actual grade level of cases. To prevent double-counting of cases, the age brackets do not overlap.

Breakdown of Cases by School Age Categories Past 2 Weeks

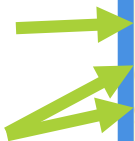
Total Case Count	85
Number of Cases <18 years	85
% cases <18 years	100.0%

Data as of 9/7/2021 for previous 2 weeks
Source: Michigan Disease Surveillance System

<u>Approximate Grade Level</u>	<u>Age</u>	<u>Case Count*</u>	<u>% cases <18 years</u>
	0-2 years	3	3.5%
Pre-K age	3-4 years	5	5.9%
K-5th grade age	5-10 years	32	37.6%
6-8th grade age	11-13 years	20	23.5%
9-12th grade age	14-17 years	25	29.4%

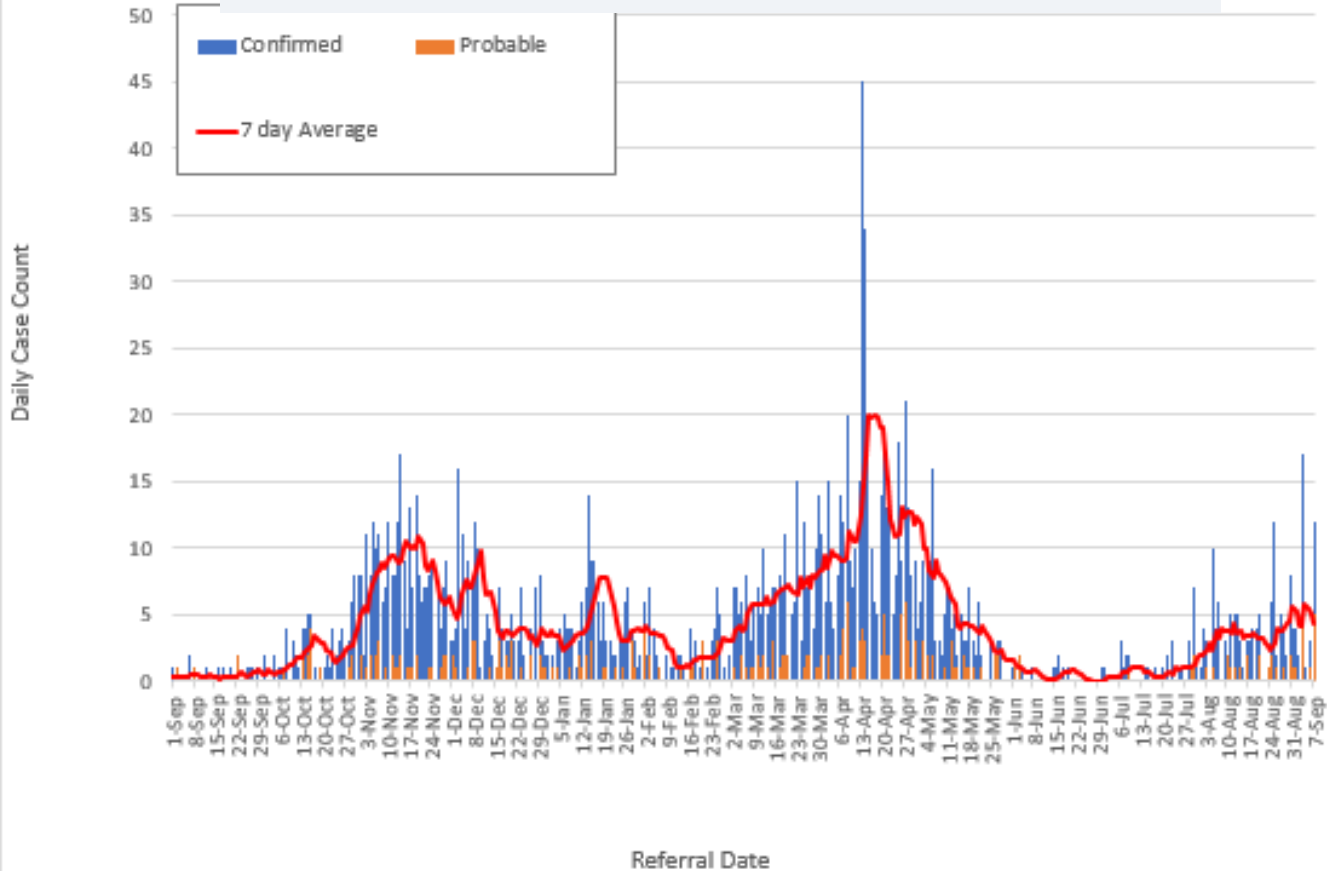
~54% of cases are a household close contact (5-11 years)

~24% of cases are a household close contact (12-17 years)

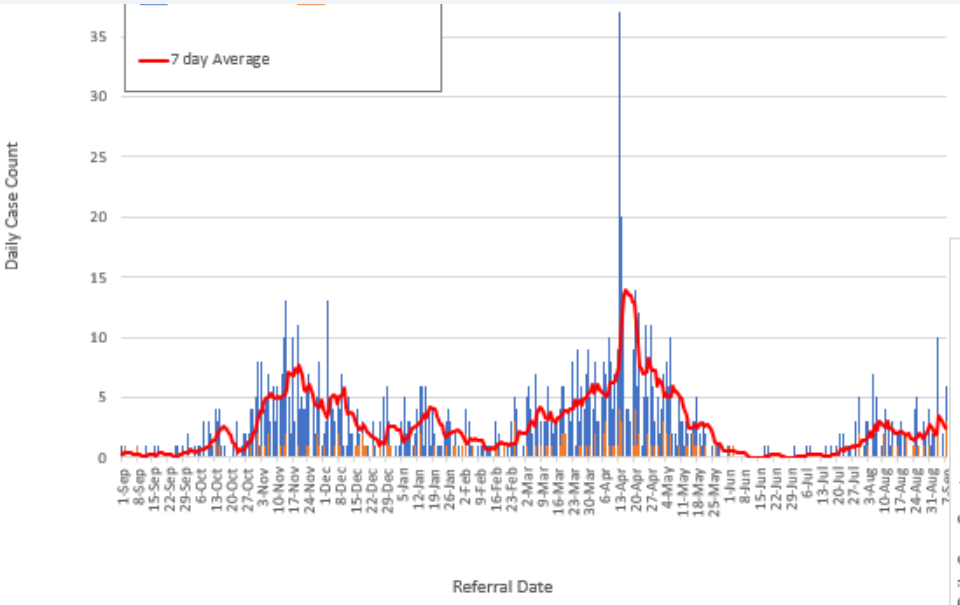


*Case counts are based on case ages, which have been grouped into approximate grade levels. These counts may not reflect the actual grade level of cases. To prevent double-counting of cases, the age brackets do not overlap.

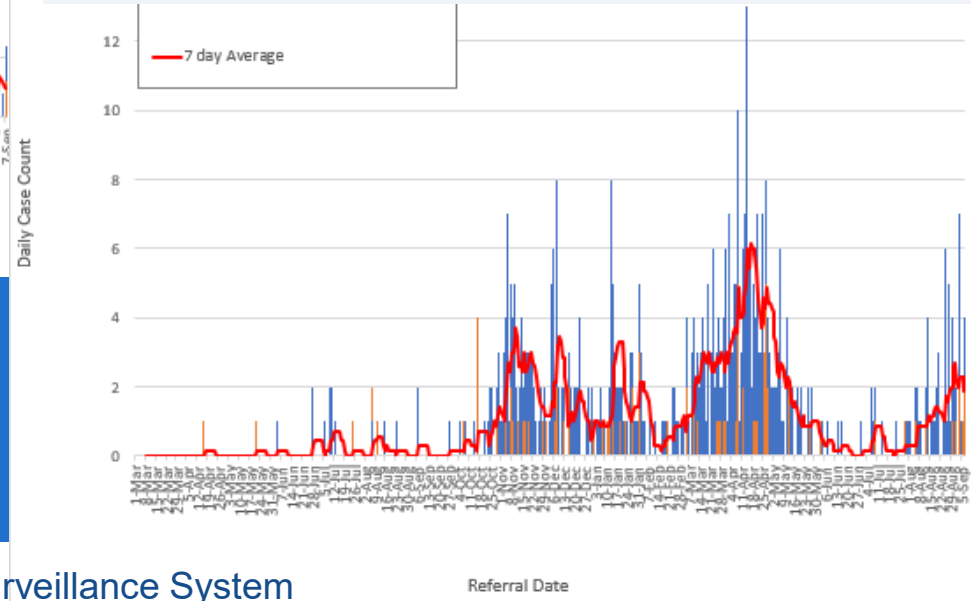
Allegan County School Age (3-17) COVID Cases by Referral Date



Allegan County School Age (12-17) COVID Cases by Referral Date

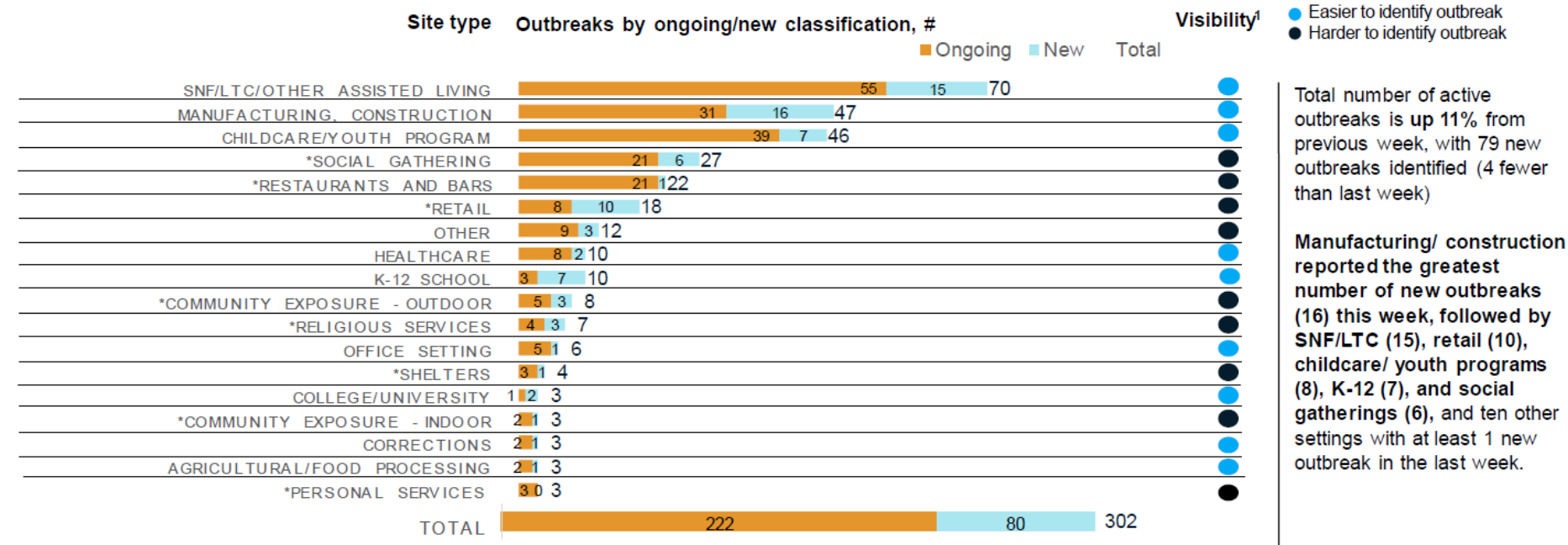


Allegan County School Age (5-11) COVID Cases by Referral Date



Number of Outbreaks Reported has Increased

Number of outbreak investigations by site type, week ending Aug 26



Total number of active outbreaks is up 11% from previous week, with 79 new outbreaks identified (4 fewer than last week)

Manufacturing/ construction reported the greatest number of new outbreaks (16) this week, followed by SNF/LTC (15), retail (10), childcare/ youth programs (8), K-12 (7), and social gatherings (6), and ten other settings with at least 1 new outbreak in the last week.

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

NOTE: Many factors, including the lack of ability to conduct effective contact tracing in certain settings, may result in significant underreporting of outbreaks. This chart does not provide a complete picture of outbreaks in Michigan and the absence of identified outbreaks in a particular setting in no way provides evidence that, in fact, that setting is not having outbreaks.

Source: LHD Weekly Sitreps

ACHD has identified **11 ongoing** outbreaks since last Thursday (9/2), and **1 new** outbreak since 9/3.

- 3 in Manufacturing/Construction
- 5 Childcare/Youth programs
- 1 School K-12 setting
- 1 Retail
- 1 Restaurant
- 1 Office
- 1 Other setting

Sufficient Health Care Capacity

Region 5: Allegan/Kalamazoo Hospital Systems

Region 6: Grand Rapids/Ottawa Hospital Systems

Statewide Hospital Capacity Report for COVID-19 09/07/2021**

Region	All Hospital Beds	All Adult Hospital Beds	All Hospital Inpatient Beds	All Hospital Inpatient Bed Occupancy	Adult Hospital Inpatient Beds	Adult Hosp Inpatient Bed Occupancy	ICU Beds	ICU Bed Occupancy	Adult ICU Beds	Adult ICU Bed Occupancy
Region 5	1684	1667	1430	1039	1390	1020	221	146	186	138
Region 6	3214	2807	2920	2333	2544	2020	390	305	237	186

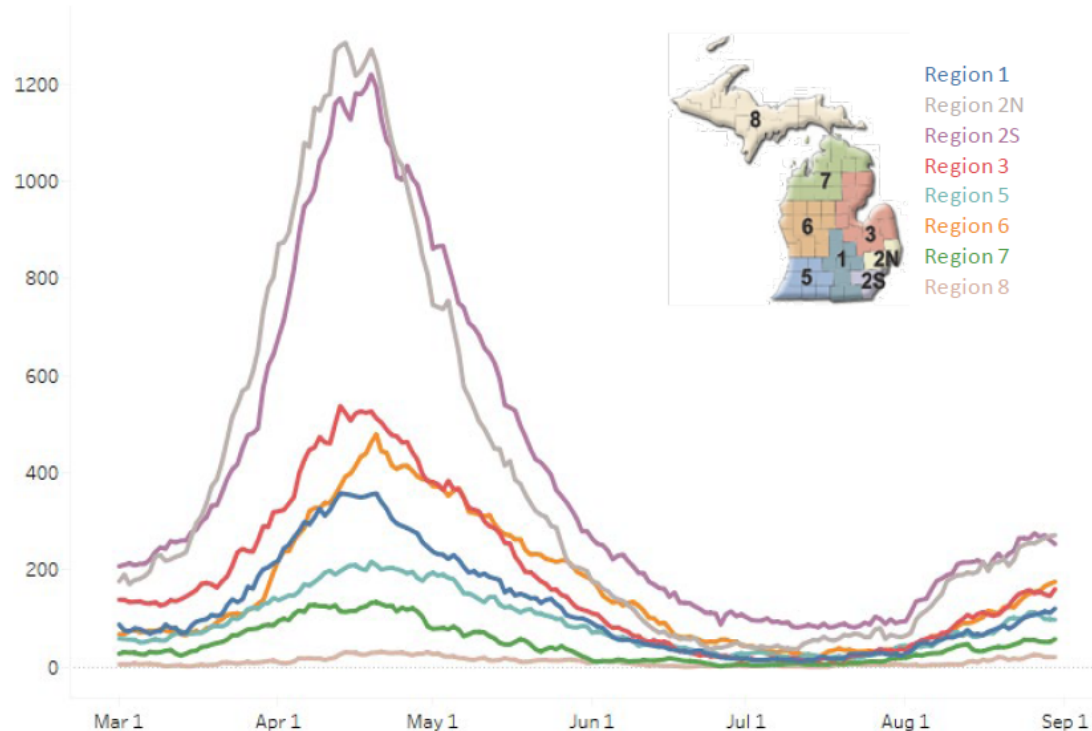
HCC Region	Region 5	Region 6
Total Hospitalized Adult Suspected/Confirmed	109	236
Adult Confirmed-Positive COVID	102	227
Hospitalized Peds Confirmed/Suspected	1	4
Hospitalized Ped Confirmed-Positive	1	4
Hospitalized and Ventilated COVID	17	46
Adult ICU Confirmed/Suspected COVID	29	68
ICU Adult Confirmed-Positive COVID	28	68
Prev Day COVID Related ED Visits	174	191

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

COVID-19 Metrics
9/7/21, by HCC Region

Statewide Hospitalization Trends: Regional COVID+ Census

Hospitalization Trends 3/1/2021 – 8/30/2021
Confirmed Positive by Region



6/8 Regions are showing continued increasing hospitalization trends this week.

Regions 1, 6 and 8 showed the fastest growth while Regions 2S and Region 5 showed slight decreases.

Region 5: Kalamazoo Hospital Systems

Region 6: Grand Rapids/Ottawa Hospital Systems

Region	COVID+ Hospitalizations (% Δ from last week)	COVID+ Hospitalizations / MM
Region 1	120 (29%)	111/M
Region 2N	271 (10%)	122/M
Region 2S	253 (-5%)	114/M
Region 3	160 (7%)	141/M
Region 5	97 (-2%)	102/M
Region 6	175 (31%)	119/M
Region 7	57 (16%)	114/M
Region 8	20 (33%)	64/M

Vaccine Works

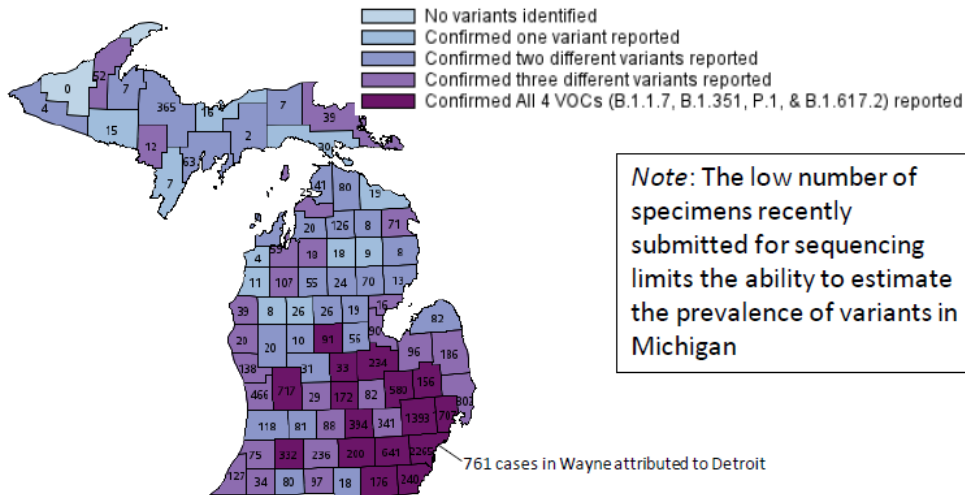
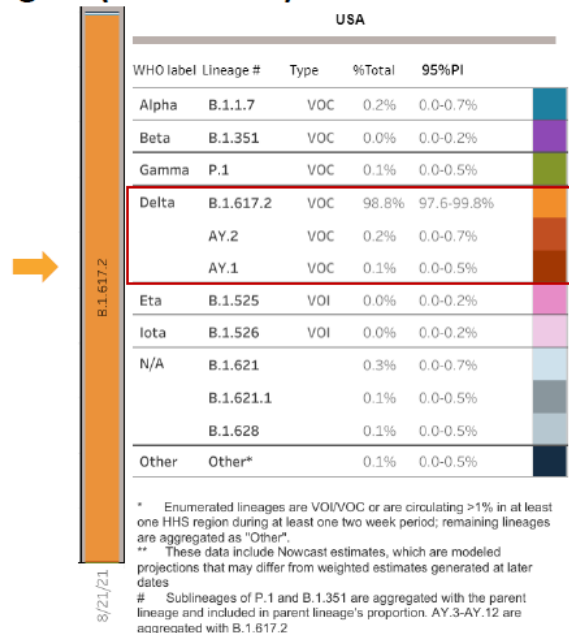


- ▶ Majority of those hospitalized are not vaccinated
- ▶ There will be a small percentage of fully vaccinated people who still get sick, are hospitalized, or die from COVID-19.
 - ▶ As of August 31, there are 0.43% (**223/51,327**) reported vaccine breakthrough cases in Allegan County.
- ▶ Since January 1, 2021 to September 7, 2021—
 - ▶ There have been 142 total hospitalizations and 73 deaths
 - ▶ 8 fully vaccinated individuals were hospitalized
 - ▶ There's been 1 death in Allegan County from a fully vaccinated individual

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

Variants Circulating in United States, Aug 8 – Aug 14 (NOWCAST)

Variants of Concern in Michigan, Aug 30



Variant	MI Reported Cases [¶]	# of Counties	% Specimens in last 4 wks
B.1.1.7 (alpha)	13,667*	81	0.5%
B.1.351 (beta)	85	24	0%
P.1 (gamma)	332	35	0.3%
B.1.617.2 (delta)	1,353 (↑529)	73 (↑4)	99.2%

* 534 cases within MDOC; [¶] 37 cases with county not yet determined

Data last updated Aug 23, 2021

Source: <https://covid.cdc.gov/covid-data-tracker/#variant-proportions> and MDSS

Allegan County has **118** reported cases of variants, with four different confirmed variants (as of 8/30/21)

Allegan County VACCINE DATA

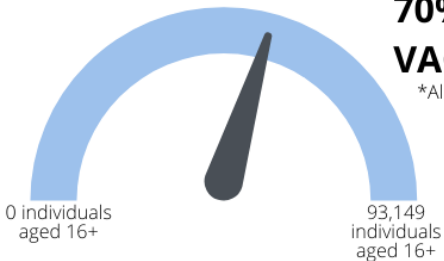
Updated 9/8/21
Data as of 9/7/21



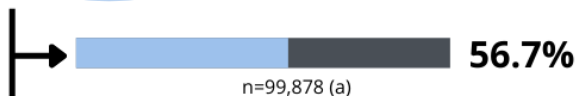
58.5%

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

*Allegan County residents age 16+



As of September 7, **56,604** people have been vaccinated**



16,451 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 (52.7%).



Over 3 in 4 individuals aged 65 and older are fully vaccinated (78.2%).

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

Total Doses Distributed*

89,500

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

Total Doses Administered*

103,860

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

PLANNED CLINICS September 5, 2021 to September 11, 2021

4
Clinics

100
First and second doses

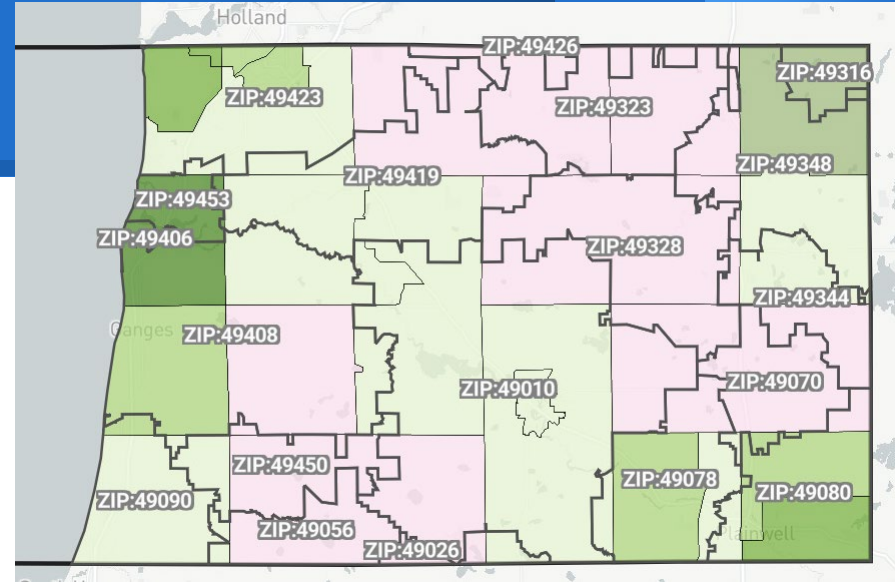
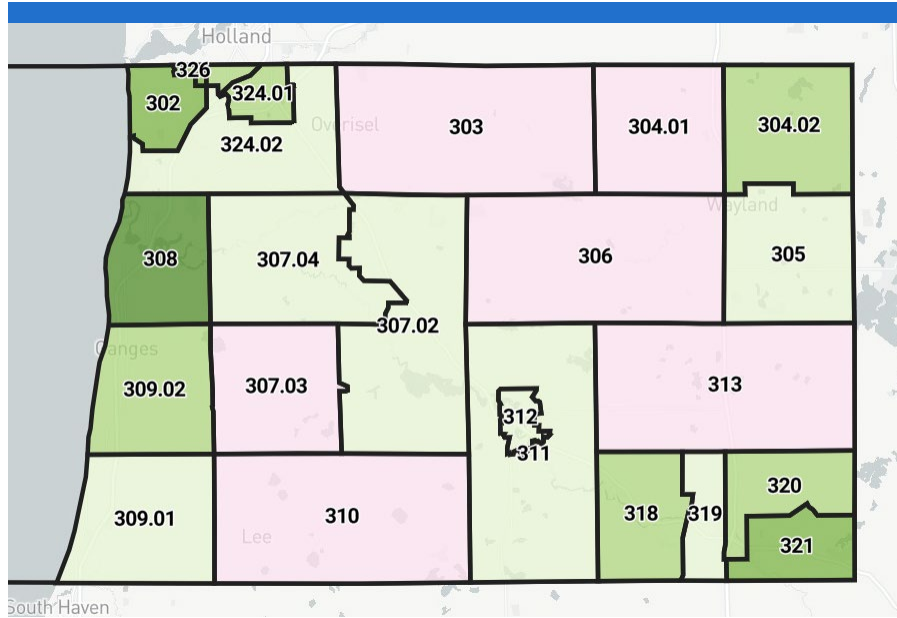
Note: Our goal of vaccinating 70% of the population accounted for the 16 and older population. With increasing the eligibility population, our vaccine coverage decreased. We are continuing to strive towards our goal of vaccinating 70% of residents 16 and older, which will reflect on the gauge at the 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 9/7/21

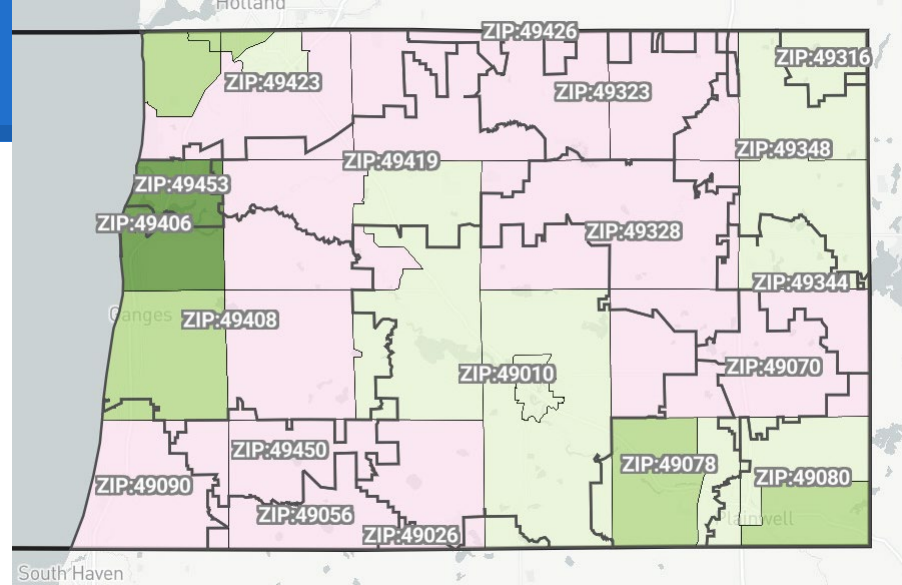
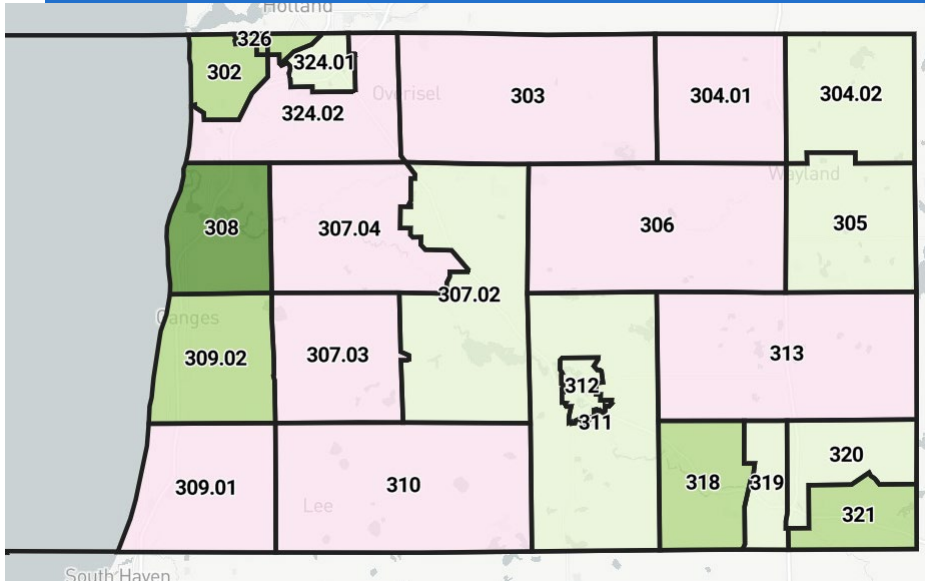


Color coded by: Received 1 or More Dose (% Ages 16+)

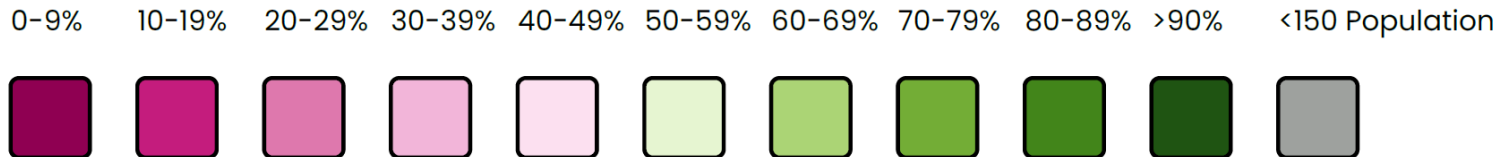
0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% >90% <150 Population



Data as of 9/7//21



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



Public Health COVID-19 Advisory

Level of Community Transmission: High

Allegan County Health Department strongly recommends everyone to:



Wear a mask in public

In settings with a lot of people (restaurants, festivals, fairs, events, stores, etc.), wearing a mask provides you extra protection



Get a COVID-19 vaccine

This helps lessen the impact of severe illness, resulting in hospitalization or death

Actions including **social distancing, frequent handwashing, screening and testing, and isolation/quarantine** help lessen the level of transmission

#DoYourPart



HEALTH
Department

CDC Levels of Community Transmission

Allegan County Level of Community Transmission: High

Indicator - If the two indicators suggest different transmission levels, the higher level is selected	Low Transmission Blue	Moderate Transmission Yellow	Substantial Transmission Orange	High Transmission Red
Total new cases per 100,000 persons in the past 7 days	0-9.99	10-49.99	50-99.99	≥100
Percentage of NAATs 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). INAAAT remains the "gold standard" for clinical diagnostic detection of SARS-CoV-2 and includes viral testing such as Nucleic Acid Amplification Tests (NAATs), which include reverse transcriptase-polymerase chain reaction (RT-PCR) tests. Total number of new cases per 100,000 persons within the last 7 days is calculated by adding the number of new cases in the county (or other administrative level) in the last 7 days divided by the population in the county (or other administrative level) and multiplying by 100,000. Percentage of positive diagnostic and screening NAAT during the last 7 days is calculated by dividing the number of positive tests in the county (or other administrative level) during the last 7 days by the total number of tests resulted over the last 7 days. If the two indicators suggest different transmission levels, the higher level is selected. Transmission categories include Blue (Low Transmission); Control is achieved largely through individual prevention behaviors and the public health response to identify and isolate cases or clusters. Threshold: Counties with fewer than 10 cumulative cases per 100,000 population in the past 7 days, and a cumulative NAAT percent test positivity result below 5% in the past 7 days. Yellow (Moderate Transmission); Adherence to individual and selected community level prevention strategies are needed. Threshold: Counties with 10-49 cumulative cases per 100,000 population or a cumulative NAAT test positivity result between 5.0-7.9% in the past 7 days. Orange (Substantial Transmission); Everyday activities should be limited to reduce spread and protect the health care system. Threshold: Counties with 50-99 cumulative cases per 100,000 population or a cumulative NAAT test positivity result between 8.0-9.9% in the past 7 days. Red (High Transmission); Significant measures are needed to limit contact between persons, with priority given to maintaining essential community activities and services (e.g., health care, transportation, food and agriculture, schools). Threshold: Counties with cumulative cases ≥100 per 100,000 population or a cumulative NAAT test positivity result ≥10.0% in the past 7 days. The Level of Community Transmission table displays the number of counties in each level and the change from the prior week.

TOOLS THAT HELP PREVENT COVID-19 IN SCHOOLS/BUSINESSES



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

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

Universal Masking

- ▶ As many businesses are seeing outbreaks or increases in cases, **we are seeing more universal masking policies put in places at the businesses in our county.**



Mitigation Strategies are important to keep in place

- ▶ ACHD will provide modified quarantine to asymptomatic individuals (related to business continuity of operations or individual financial hardships) for businesses who have strict mitigation strategies in place (mask wearing, social distancing, frequent handwashing, health screening/testing).
- ▶ ACHD will provide modified quarantine for students identified as close contacts (between 3-6ft) when strict mitigation strategies are in place, including wearing a mask and having no symptoms.

MDHHS published updated Quarantine Guidance today

- ▶ Expect an update from ACHD at next Community Update
 - ▶ Testing can shorten quarantine periods





School Quarantine Guidance

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

Masking helps keep kids in the classroom.

If the COVID-exposed student was:

Then they should:

Vaccinated, regardless of masking and distancing. 	Test on day 3, 4, or 5 and monitor symptoms for 14 days.	
Distanced 3–6 feet and masked AND the COVID-positive student was masked. 	Monitor symptoms for 14 days.	
Less than 3 feet apart and masked AND the COVID-positive student was masked. 	Daily test for 7 days and monitor symptoms for 14 days.	Stay home for 7 days, return after day 7 with negative test or return after day 10.
Unmasked OR the COVID-positive student was unmasked. 	Stay home for 7 days, return after day 7 with negative test or return after day 10.	

If an individual gets COVID-19, this is a consideration for treatment that reduces risk of long-term health impacts



Scan QR Code for e-form


Monoclonal Antibody Therapy – Patient Profile Form (Rev 8/23/2021)

- ▶ Regeneron is one of the only effective therapies/medical treatments we have for COVID-19 infections.
- ▶ Regeneron is very effective at decreasing the severity of infection, especially in high risk and elderly patients.
- ▶ It is now also used as a preventive measure for high risk individuals who have been exposed to or test positive for COVID-19 before serious illness develops.
- ▶ It is widely available at no cost to all Michigan residents.


Outbreak Associated with SARS-CoV-2 B.1.617.2 (Delta) Variant in an Elementary School

The Delta variant spreads easily in indoor spaces when people are unmasked and unvaccinated





Occasionally unmasked adult infected with Delta variant worked for 2 days



12 of 24 kids infected



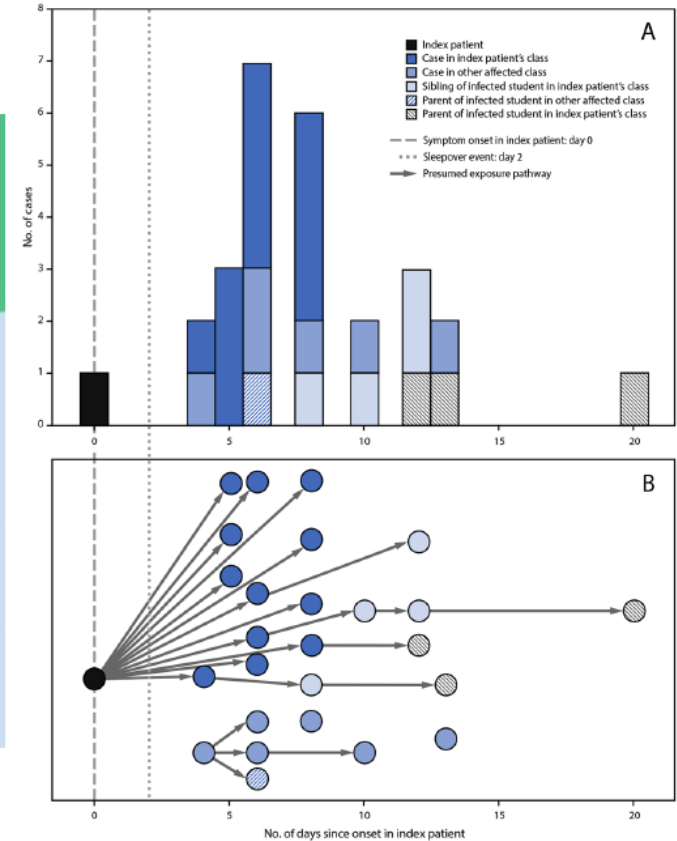
Schools can help stop spread by ensuring everyone:

-  **Wears masks correctly** in indoor spaces
-  **Gets vaccinated**, if eligible
-  **Stays home** if having symptoms
-  **Tests routinely**

bit.ly/MMWR82721b

MMWR

- 22 of the 24 students were ineligible for vaccine due to age
- Students in the first two rows were more likely be infected
- In addition to vaccination, strict adherence to multiple nonpharmaceutical prevention strategies, including masking, are important to ensure safe school instruction



Quarantine Letters

▶ History:

- ▶ Under the Public Health Code, the requirement to issue the letters is not limited to COVID-19 (MCL 333.5201-MCL 333.5203).
- ▶ The letters have been a part of approved departmental procedures and have been issued in other matters related to stopping the spread of an infectious disease.

▶ Recently:

- ▶ The quarantine letters have been amended to place greater focus on the educational element and actions that are necessary to be followed, while still maintaining the required language that is mandated to be included.

Boosters

- ▶ HHS [announced a plan](#) to begin offering COVID-19 vaccine booster shots this fall.
 - ▶ The Advisory Committee on Immunization Practices continues to meet and discuss data on the evolution of the pandemic and the use of COVID-19 vaccines.
 - Meet mid-September to review additional data to inform policy
 - Will vote once FDA provides authorization for booster
- ▶ **For Allegan County:**
 - ▶ Meeting with stakeholders, emergency management, volunteers for planning. For organizations interested in holding a vaccine clinic, complete this [interest form](#).
 - ▶ Scheduling out clinics through December
 - ▶ Encourage individuals to seek options including pharmacies, health care providers apart of their visit or when they get flu vaccines.

School Data

- ▶ Working to provide public data reports by school district and general school age data.
- ▶ Goal is to have reports posted for superintendents, BOE, parents, etc. by the next month

Individual Impact vs. Community Impact: My child, my choice?



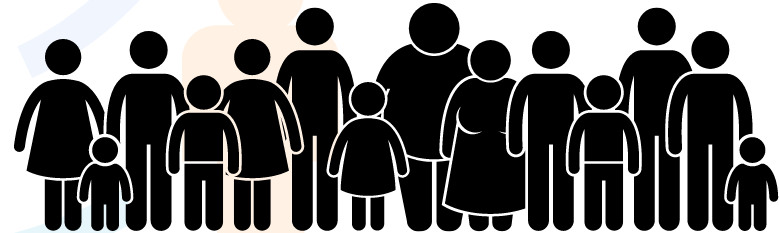
Example:

Public Health recommends for children to wear a helmet while riding a bike to minimize traumatic brain injuries. If the parent doesn't have their child wear a helmet, only that child's health is impacted from this event.



When children don't wear masks, and are carrying COVID-19, they are impacting other children's and their family's health directly.

The more people that wear masks, the slower the transmission occurs



Choices

Choices:

- ▶ Going to a football game
- ▶ Going to a restaurant
- ▶ Participating in extra curricular activities
- ▶ Attending Allegan County Fair

Not a choice:

- ▶ Children getting an education in public schools (for most people)
- ▶ 5-11 year olds do not have access to an authorized COVID-19 vaccine

K-6 Mask Requirement: *Who is excluded?*

01 Persons in the act of eating or drinking.



02 Persons outside if not engaged in activities involving direct physical contact.



03 Persons under the age of five years; however, supervised masking is strongly recommended.



04 Students with developmental conditions of any age attending school, although supervised masking is encouraged.



05 Teachers who are working with children who are hard of hearing or students with developmental conditions who benefit from facial cues. These teachers or staff must be vaccinated or comply with masking directive.



06 A person with a disability who cannot wear a mask, or cannot safely wear a mask, because of the disability as defined by the Americans with Disabilities Act (ADA, 42 U.S.C. 12101 et seq.) and Michigan Persons with Disabilities Act.



For concerns, schedule an appointment with your primary provider to determine whether your child's disability prevents them from safely wearing a mask.

Resources

Mental Health and Adverse Childhood Experiences (ACEs)

Mental Health impacts health and well being of our children. ACHD recognizes that this pandemic can be an adverse childhood experience or traumatic experience for many children in our community. ACEs are linked to chronic health problems, mental illness, substance use problems in adulthood. We recognize mental health support is needed for children to reach their full potential. ACHD is willing to provide recommendations to policy and decision makers on funding to ensure all families have access to mental health support.

If you or your child are feeling emotional distress, get free, confidential support from a Michigan Stay Well counselor.

- Dial 1-888-535-6136 and press "8"
- The Stay Well counseling line is available 24/7.

The Allegan County Community Mental Health Service Agency is also a resource. Please call (269) 673-6617

Masks and Research

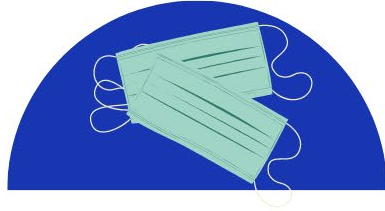
For mask suggestions for kids, or to read our literature review, visit www.allegancounty.org/covid

Face Masks Tips for Schools



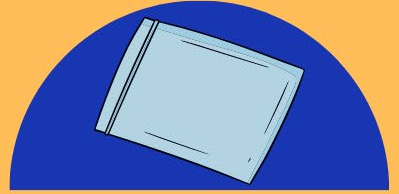
Find a well-fitting, comfortable mask.

- Every child's face is different, and because of that, there is no one right mask for all children.
- **Make sure the mask is properly covering the nose and under the chin with no gaps on the sides**



Pack extra masks for your child, in case the one they leave with gets wet or dirty

- **Replace your mask with a new one as soon as it is wet or dirty**
- Pack clean, dry masks in a paper bag.
- Let the teacher know they have extras.
- Talk to your school or the health department if you need extra masks
- Talk to your child on storing masks when they go out for recess (put in baggie, have a mask lanyard)



Pack a "mask baggie" for wet, dirty masks

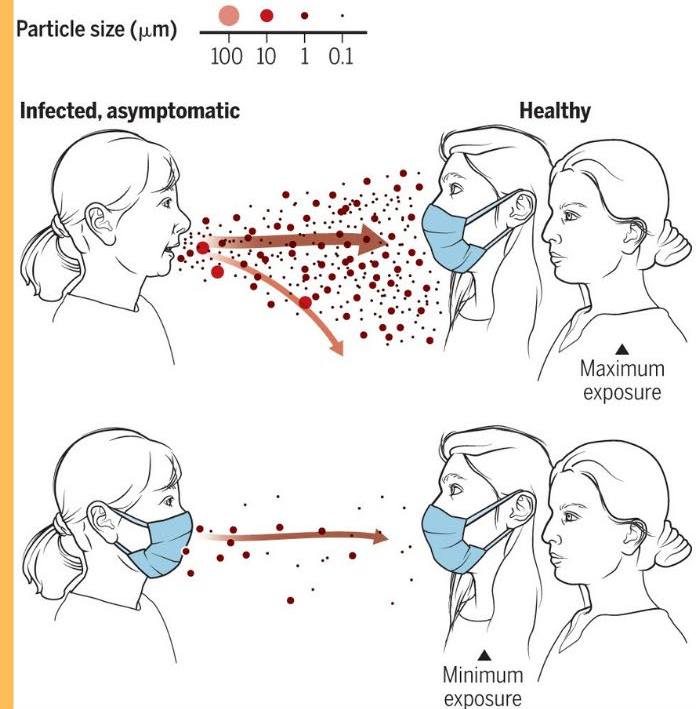
- Store your wet or dirty mask in a plastic bag until it can be washed

Why masks are effective

Masks are not 100% effective, but they greatly reduce transmission

Masks reduce airborne transmission

Infectious aerosol particles can be released during breathing and speaking by asymptomatic infected individuals. No masking maximizes exposure, whereas universal masking results in the least exposure.

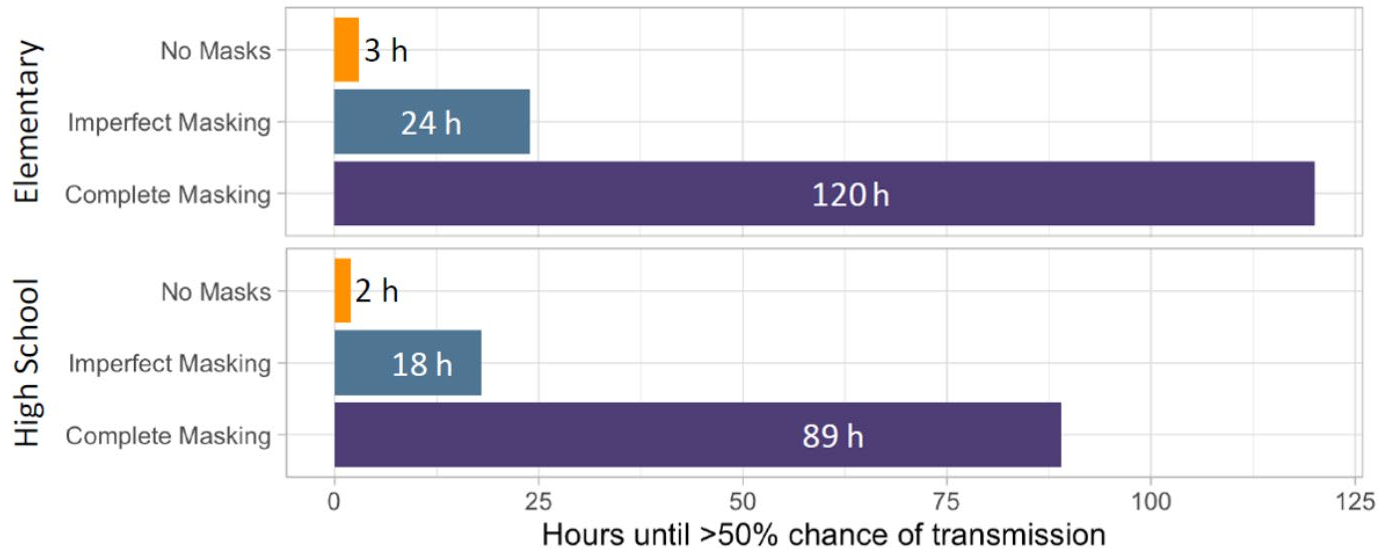


Sources:

- Reducing transmission of SARS-CoV-2 | Science (sciencemag.org)
- Mask adherence and rate of COVID-19 across the United States (nih.gov)
- An evidence review of face masks against COVID-19 | PNAS
- https://www.michigan.gov/documents/coronavirus/20210809_Data_and_modeling_update_vFINAL_732387_7.pdf
- <https://www.medrxiv.org/content/10.1101/2021.08.10.21261726v1>
- https://caldercenter.org/sites/default/files/WP%20247-1220_updated_tyop.pdf
- <https://onlinelibrary.wiley.com/doi/10.1111/apa.15870#apa15870-bib-0004>
- <https://www.preprints.org/manuscript/202103.0271/v1>

Modeling: Masks can substantially reduce transmission in school settings

If 1 infectious child attends a class of 25 students, how long does it take for there to be a >50% chance of transmission occurring?



Estimates from the [COVID-19 Indoor Safety Guideline](#), based on [Bazant and Bush, A guideline to limit indoor airborne transmission of COVID-19, PNAS 2021](#). Simulations assume: delta strain, normal talking (not singing/etc.), with child age group for elementary and average between adult and child age groups for high school. Vaccine coverage was assumed to be 0% for elementary and 33% for high school, based on age-specific coverage rates as of 8/6/21. We assumed 95% mask fit/compliance for 'Complete Masking' and 75% for 'Imperfect Masking'.

Are masks harmful?

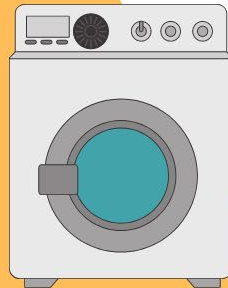


Children aged 7 to 13 years have been shown to be able to make accurate inferences about the emotions of others with partially covered faces.

Concerns about reduced oxygen saturation and carbon dioxide retention when wearing a mask have not been supported by available data, including recent statements from American Academy of Pediatrics.



Cloth masks can be used safely more than once if you wash them each day. Proper laundering of cloth masks removes any viruses, bacteria or respiratory secretions that may build up on the mask. You should wash your cloth mask with soap and water after you are done using it for the day. It should be completely dry before you use it again. Clean, dry masks will not develop mold or make you sick.



Sources:

- Ruba AL, Pollak SD. Children's emotion inferences from masked faces: Implications for social interactions during COVID-19. PLoS One. 2020;15(12):e0243708.
- Samannan R, Holt G, Calderon-Candelario R, Mirsaeidi M, Campos M. Effect of face masks on gas exchange in healthy persons and patients with COPD. Ann Am Thorac Soc. Published online October 2, 2020. doi:10.1513/AnnalsATS.202007-812RL
- <https://www.hopkinsallchildrens.org/ACH-News/General-News/Myths-about-Masks-and-Other-Coronavirus-Facial-Cov>

Why put this order in place?

1

The best tool for combating COVID-19 is vaccination. For the population who does not have access, the next best tool is the protection of face masks.

2

Keeping children in school is a high priority since the start of the pandemic.

3

Universal Face Masking is effective

4

The Delta variant is more transmissible and the amount of detectable virus of infected individuals is much higher, even in fully vaccinated individuals

5

Parents of those under 11 years of age do not have a choice to get their child vaccinated since the age group is not yet eligible

6

This order is effective until 6 weeks after this age group is eligible and has access to an authorized COVID-19 vaccine or Allegan County is in low risk for 7 days



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



SEPTEMBER VACCINE CLINICS



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

Tuesday, September 7 | 1:00pm–5:00pm

Fennville Library, 400 West Main St., Fennville (mobile)

Thursday, September 9 | 3:00pm–6:00pm

Saugatuck Brewing Company, 2948 Blue Star Hwy, Douglas (mobile)

Friday, September 10 | 2:30pm–3:30pm

Motus Integrated, 88 E. 48th St., Holland (mobile)

Monday, September 13 | 4:00pm–6:00pm

Dawson Elementary, 125 Elm St., Allegan (mobile)

Thursday, September 23 | 3:00pm–6:00pm

Ladders of Hope, 717 E. Main St., Fennville (mobile)

**September 10–18: We'll be at the Allegan County Fair!
(Time TBA)**

*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**

People can make an appointment ahead of time by visiting www.allegancounty.org/covid

Local Testing opportunities available soon

- ▶ Partnering with HONU Management and ACT to offer drive through testing in Allegan County
- ▶ Will share out dates once finalized with vendors
- ▶ Anticipate availability for once a week

Confirmed Cyanobacteria Blooms in Swan Lake

**ADVISORY
CONFIRMED
CYANOBACTERIA
HARMFUL BLOOMS
PRESENT.**

**KEEP PEOPLE
AND PETS
OUT OF AREA.**

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



HEALTH
Department

Environmental Health (269) 673-5415



HEALTH
Department

3255 I22nd Avenue, Suite 200
Allegan, MI 49010

FREE

Preschool and Kindergarten Entrance Hearing and Vision Screenings

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



Upcoming Clinics

9am - 12pm

By Appointment Only

Friday, September 3rd

Friday, October 1st

Friday, November 5th

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



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



michigan
HEARING & VISION
screening programs

Final thoughts

- ▶ Delta variant is present and fully vaccinated individuals can still transmit the virus, but have protection against severe illness/hospitalization and death
- ▶ Vaccines are widely available
- ▶ **Mitigation strategies work to reduce transmission against virus**
- ▶ To prevent outbreaks in your workplace, more mitigation strategies can be layered to reduce spread
- ▶ Treatment is available to help minimize COVID-19 illness for those infected

**ACHD COVID-19 Updates
are held on the 2nd and 4th
Wednesday of every
month.**



Questions?