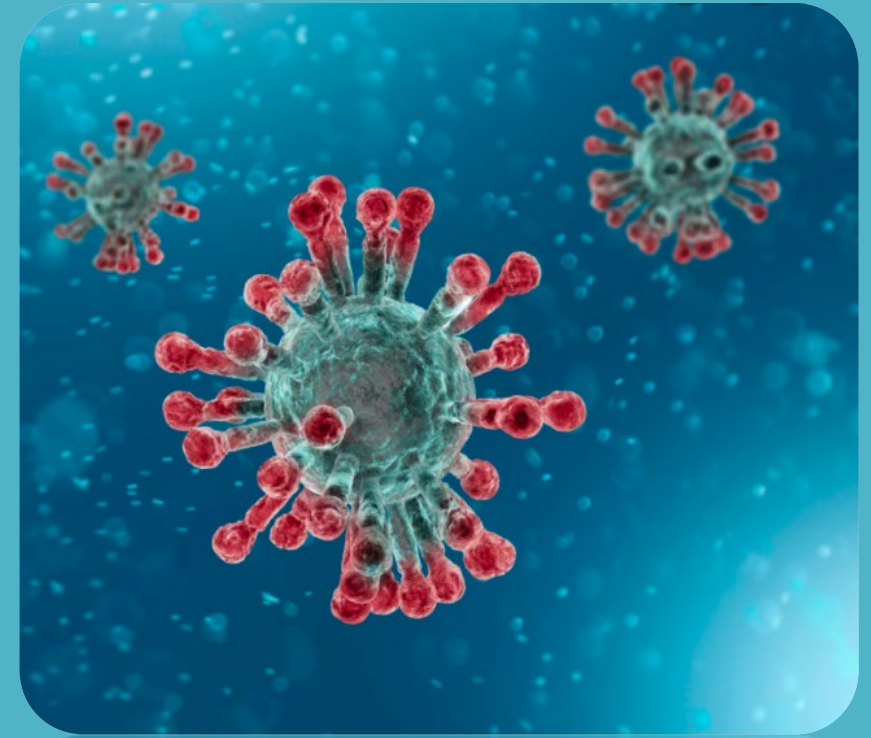




HEALTH
Department

ACHD COVID-19 School Update

2021-2022 School Year
November 24, 2021 Update





HEALTH
Department

About this Report

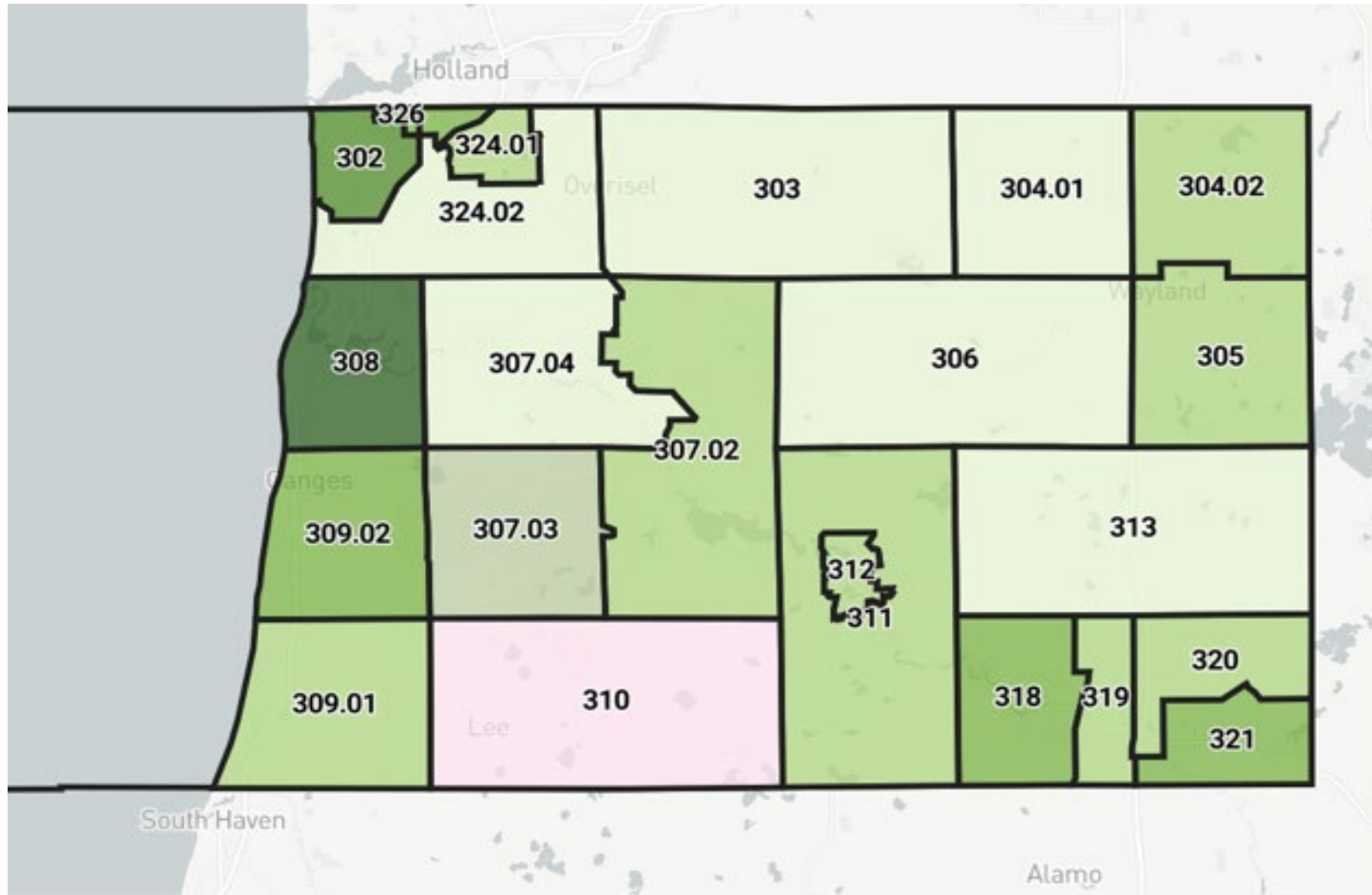
This report is compiled on a bi-weekly basis, and publication will be on the 2nd and 4th Tuesday of each month.

This report will be published under the “Schools” resource section on www.allegancounty.org/covid

This report was created for school leaders, Board of Education members, parents and communities.

If you have suggestions for improvement, please complete an [inquiry form](#)

Allegan County Vaccination Coverage Trends (% Age 16+), As of November 16, 2021

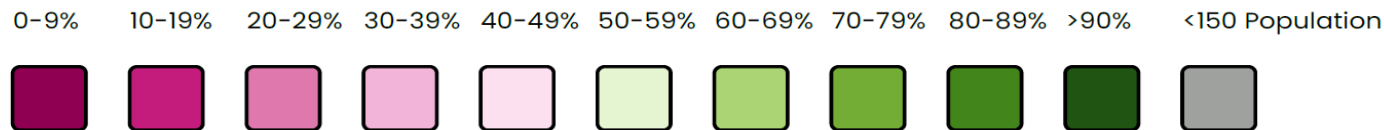


Allegan County Percentage Fully Vaccinated All Ages: 49.1% (56,558/115,250)

Percent Breakthrough, All Ages: 1.79% (1,008/56,192)

- Data as of 11/16/21
- Breakthrough case: a confirmed COVID-19 case in a fully-vaccinated individual

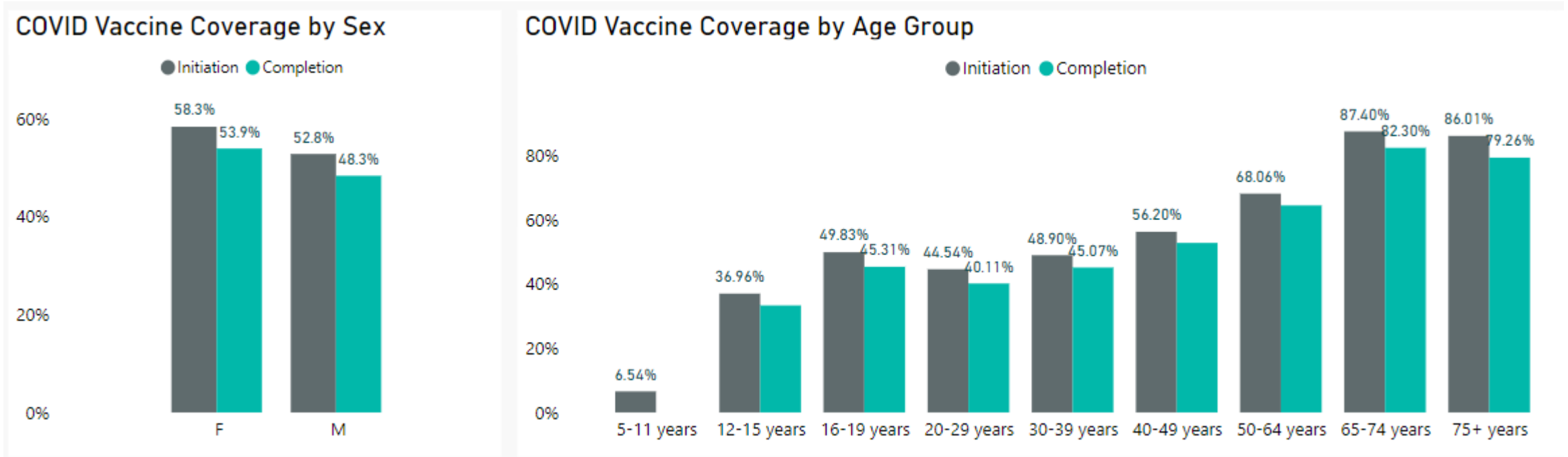
Color coded by: Received 1 or More Dose (% Ages 16+)



MI Lighthouse Report: Region Map

Source: Michigan Disease Surveillance System;
MI Lighthouse Report

Allegan County Vaccination by Gender and Age Group, As of November 16, 2021



Age 5-11
Initiated: 722: 6.5%

Age 12-15
Initiated: 2,487: 37 %
Completed: 2,239: 33.3%

Age 16-19
Initiated: 2,878: 49.8%
Completed: 2,617: 45.3%

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](#)

Alleghan County Testing Trends All Ages, As of November 17, 2021

✓ **Test Positivity**
Nov 11 - Nov 17

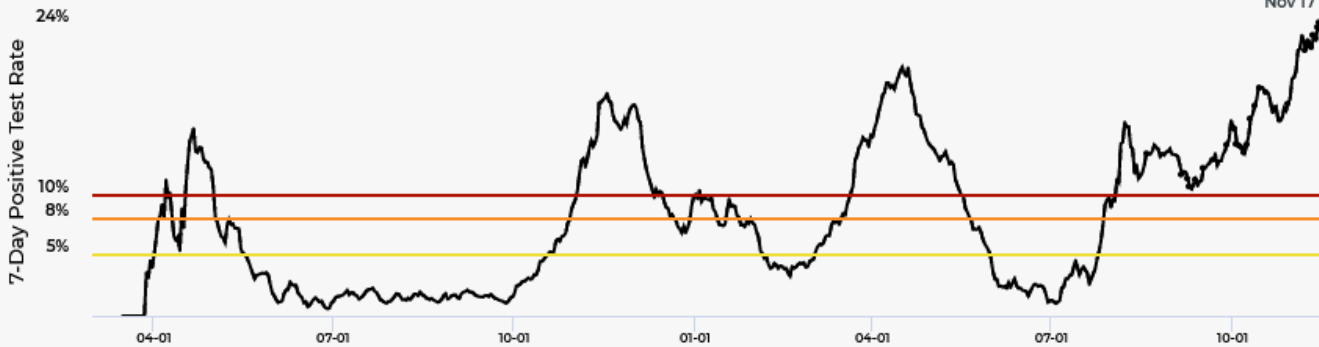
22.5%
positive tests

4.2k
daily tests
administered
per million

↘ **1 week** ⓘ
Nov 05 - Nov 12

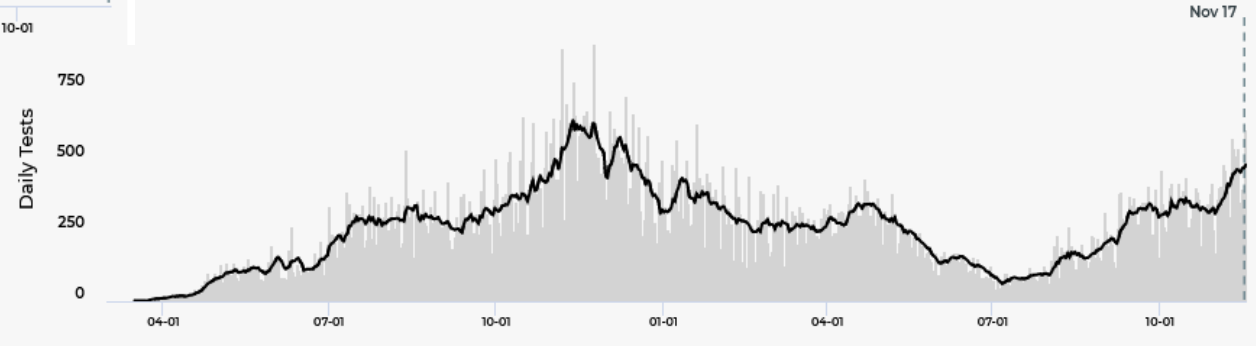
7-Day Positive Test Rate
ALLEGAN COUNTY

Zoom 1m 3m 6m All

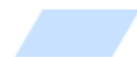


Daily Tests
ALLEGAN COUNTY

Zoom 1m 3m 6m All



Risk Thresholds (% Positive)



Low: <5%



Moderate 5-<8%



Substantial 8-<10%



High >=10%

Alleghan County Case Trends All Ages, As of November 17, 2021



New Cases

Nov 11 - Nov 17

835

weekly cases per
100,000 population



986

weekly cases

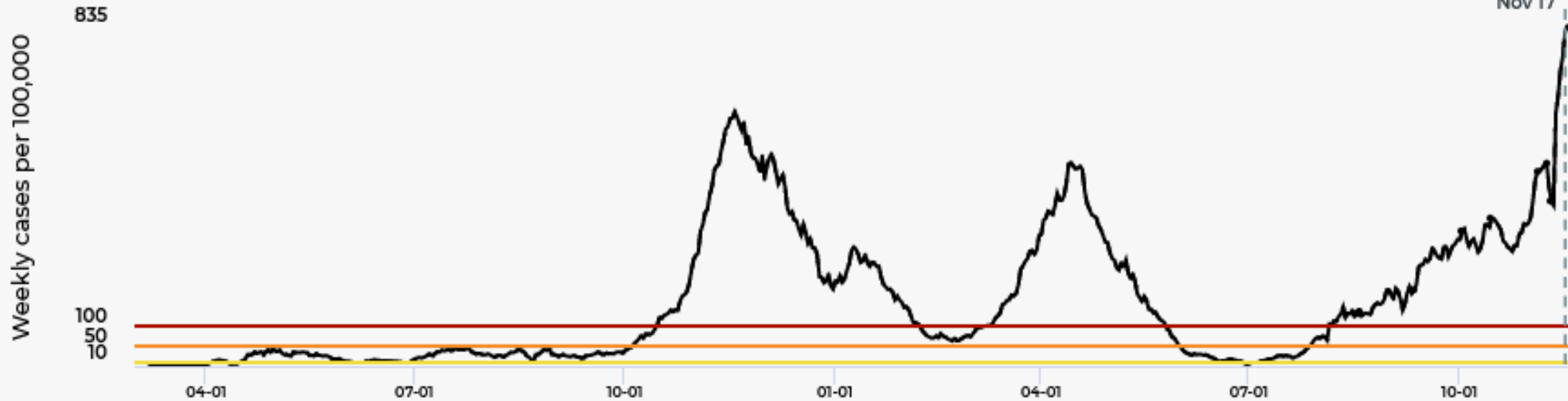
Weekly cases per 100,000

ALLEGAN COUNTY

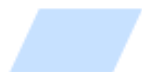
Zoom 1m 3m 6m All



Nov 17



Risk Thresholds (Cases per 100,000)



Low: <10



Moderate 10-49



Substantial 50-99



High >=100

Source: [MI Safe Start Map](#)

Alleghan County Case Trends School Ages 3 to 17

March 2020 through November 19, 2021

As of March 2020,
14.9% were asymptomatic cases (no symptoms but tested positive for COVID-19)

Total Cases : 2,776

Data from 3/1/2020 to 11/19/21

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

03/01/20
mm/dd/yy

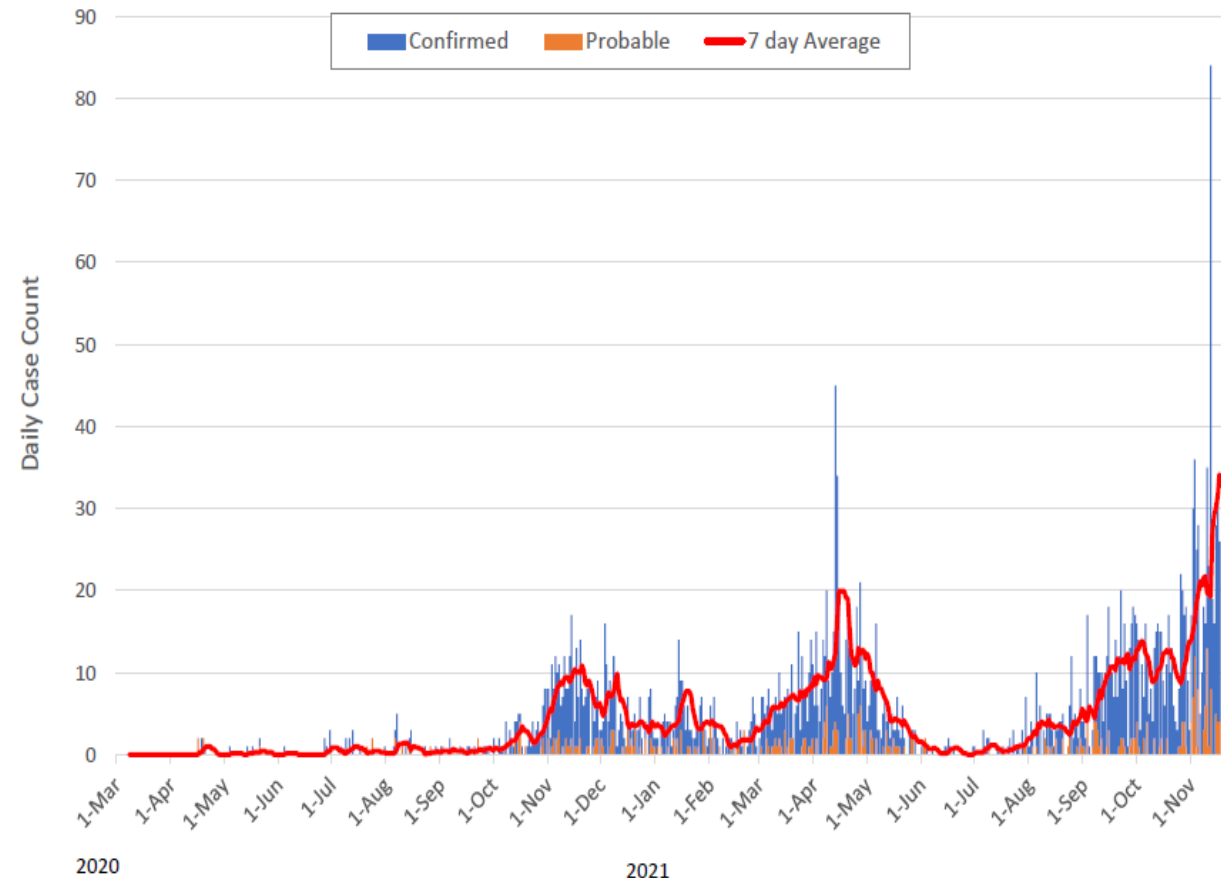
Number of Cases reported since March 2020

2776

	Count	% **
In quarantine at time of onset/positive test	870	31.3%
Associated with known cluster/outbreak	67	2.4%
Any contact (HC, Comm, HH) to confirmed case	1307	47.1%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	338	12.2%
Household Contact to confirmed case	1015	36.6%
Attended Community Event/Mass Gathering	95	3.4%
Any Travel (international, domestic, in state)	156	5.6%
Source of infection is unknown	897	32.3%

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

Alleghan County COVID-19 Cases Age 3 to 17 by Referral Date



Source: Michigan Disease Surveillance System

Allegan County Breakdown of Total COVID-19 Cases
by School Age (3-17)
From March 1, 2020 to November 19, 2021

Breakdown of Cases by School Age Categories

Total Case Count	2776
Number of Cases <18 years	2776
% 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	167	6.0%	6.0%
K-5th grade age	5-10 years	902	32.5%	32.5%
6-8th grade age	11-13 years	577	20.8%	20.8%
9-12th grade age	14-17 years	1130	40.7%	40.7%

**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.*

Allegan County Breakdown of COVID-19 Cases
by School Age (3-17)
Past 2 Weeks , As of November 19, 2021

Breakdown of Cases by School Age Categories

Total Case Count	346
Number of Cases <18 years	346
% 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	27	7.8%	7.8%
K-5th grade age	5-10 years	162	46.8%	46.8%
6-8th grade age	11-13 years	74	21.4%	21.4%
9-12th grade age	14-17 years	83	24.0%	24.0%

**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 Case Trends Elementary School Ages 5 to 10

March 2020 through November 19, 2021

As of March 2020,
 44.6% were household contact to a confirmed case
 18.3% were asymptomatic cases (no symptoms but tested positive for COVID-19)

Total Cases : 902

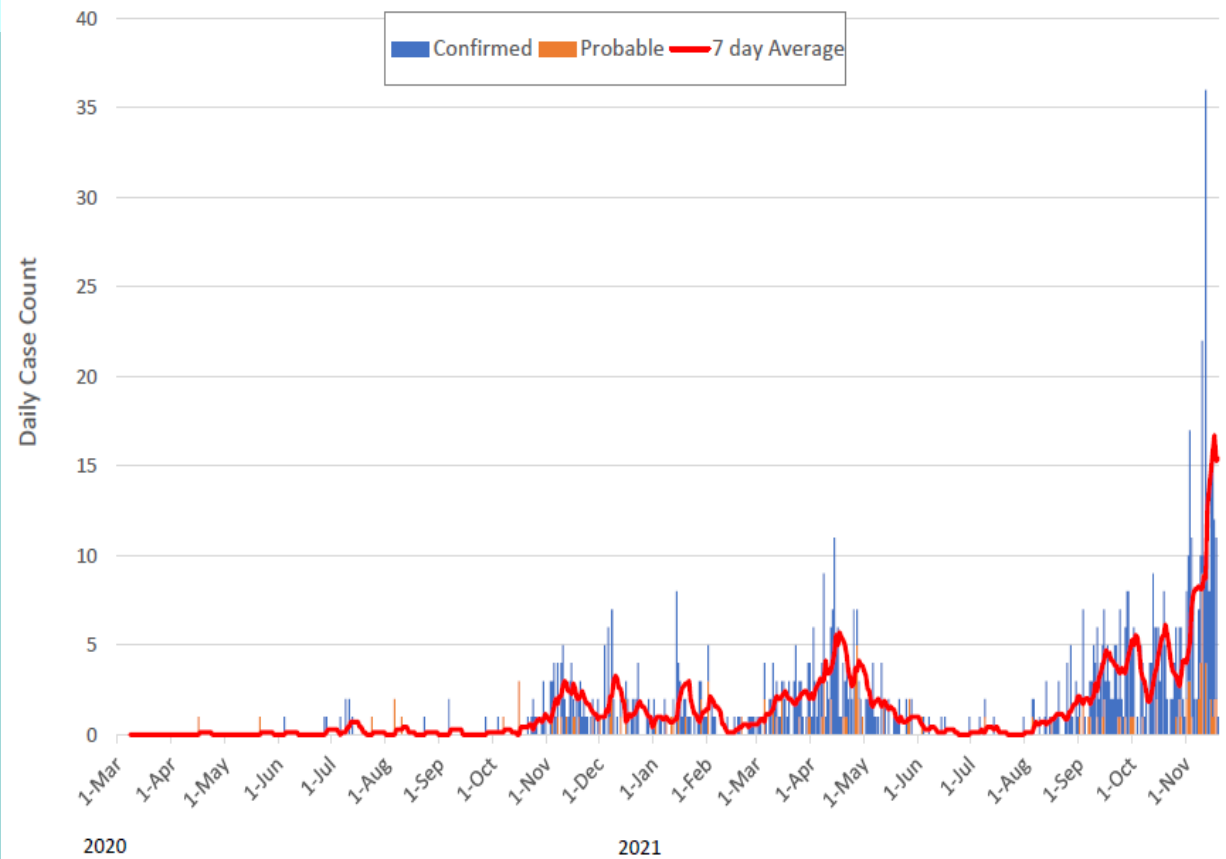
CASES REPORTED IN PAST TWO WEEKS: Data from 11/6/2021 to 11/19/2021

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

	11/19/21
	<i>mm/dd/yy</i>
Number of Cases reported in past two weeks	162
	<u>Count</u> <u>% **</u>
In quarantine at time of onset/positive test	33 20.4%
Associated with known cluster/outbreak	9 5.6%
Any contact (HC, Comm, HH) to confirmed case	69 42.6%
Healthcare Contact to confirmed case	0 0.0%
Community Contact to confirmed case	16 9.9%
Household Contact to confirmed case	56 34.6%
Attended Community Event/Mass Gathering	2 1.2%
Any Travel (international, domestic, in state)	3 1.9%
Source of infection is unknown	41 25.3%

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

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



Allegan County Case Trends Middle School Ages 11 to 13

March 2020 through November 19, 2021

As of March 2020,
 40.7% were household contact to a confirmed case
 14.6% were asymptomatic cases (no symptoms but tested positive for COVID-19)

CASES REPORTED IN PAST TWO WEEKS: Data from 11/6/2021 to 11/19/2021

For this section to auto-calculate,

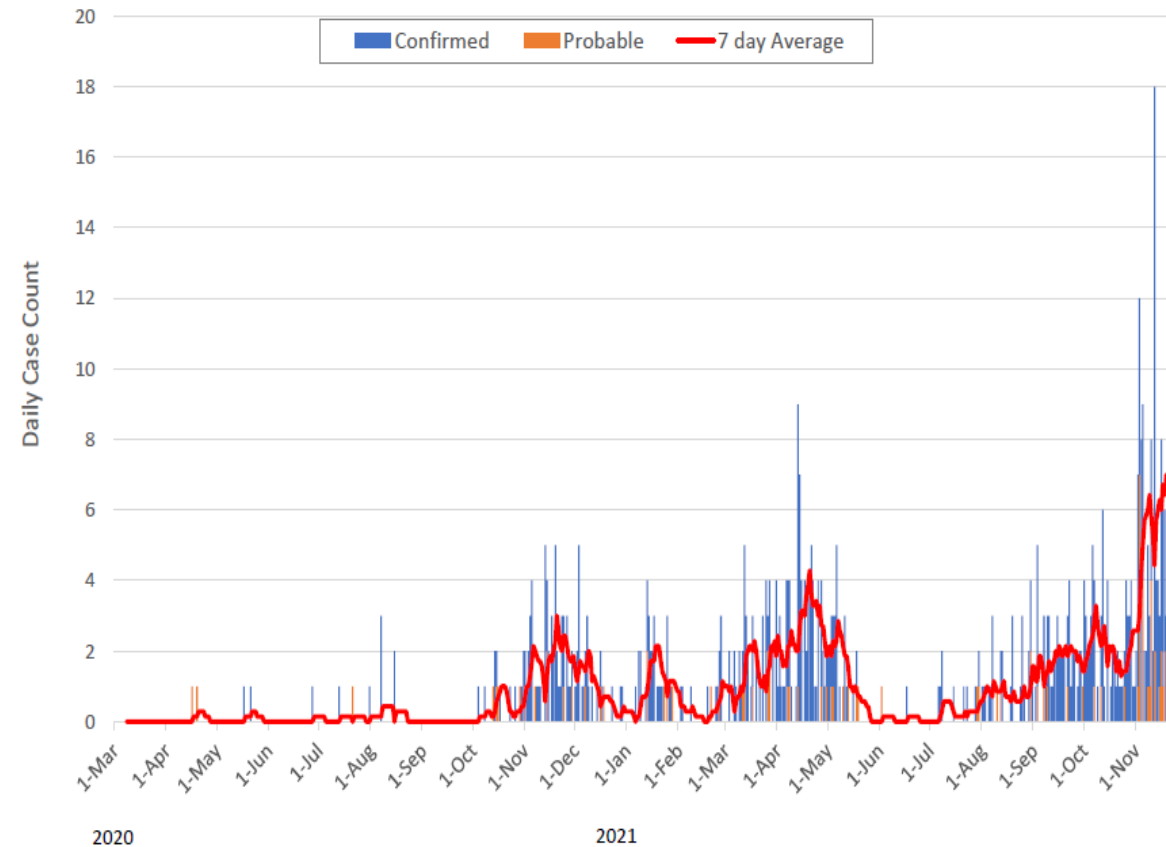
enter the date you exported the data here -----> 11/19/21
 mm/dd/yy

Number of Cases reported in past two weeks	Count	% **
In quarantine at time of onset/positive test	14	18.9%
Associated with known cluster/outbreak	3	4.1%
Any contact (HC, Comm, HH) to confirmed case	27	36.5%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	8	10.8%
Household Contact to confirmed case	23	31.1%
Attended Community Event/Mass Gathering	1	1.4%
Any Travel (international, domestic, in state)	1	1.4%
Source of infection is unknown	19	25.7%

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

Total Cases : 577

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



Source: Michigan Disease Surveillance System

Alleghan County Case Trends High School Ages 14 to 17

March 2020 through November 19, 2021

As of March 2020,
 25.4% were household contact to a confirmed case
 12.2% were asymptomatic cases (no symptoms but tested positive for COVID-19)

Total Cases: 1,130

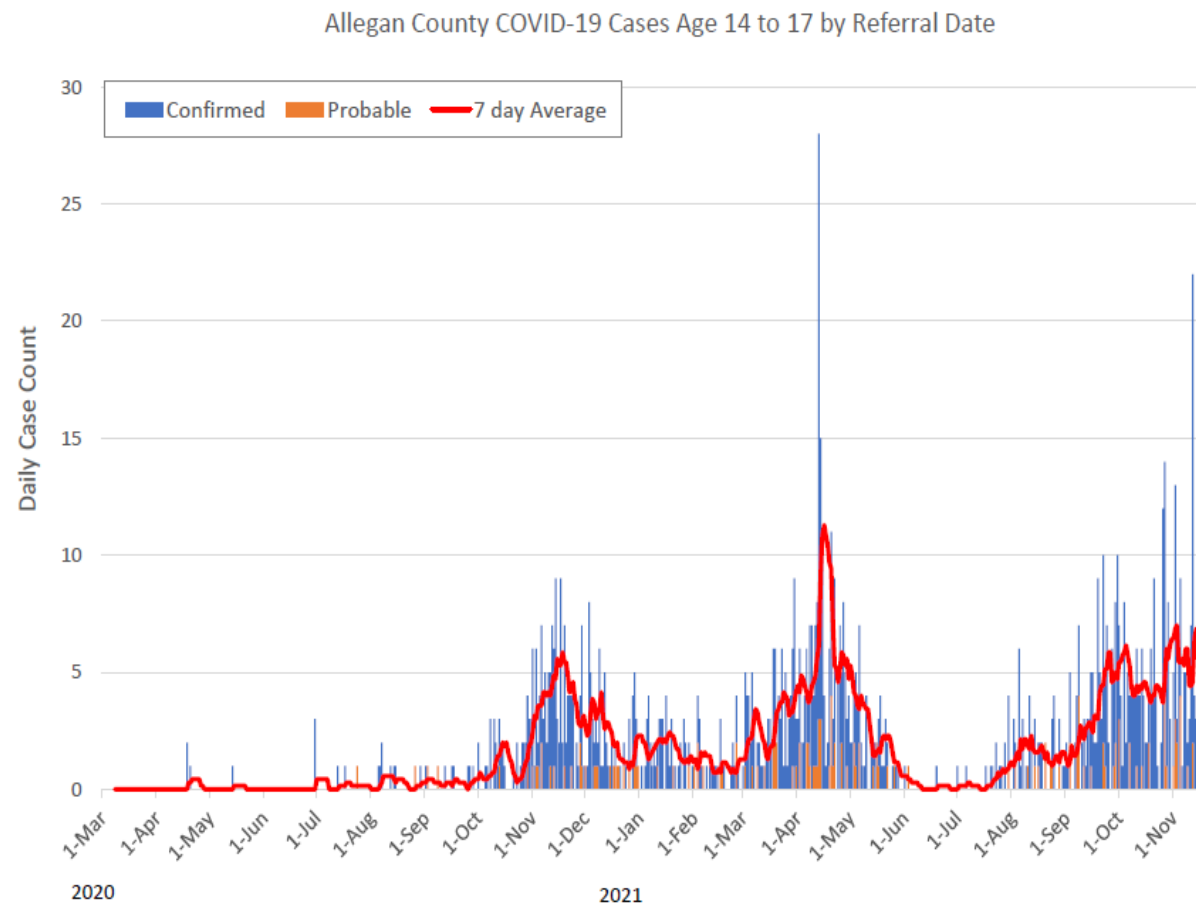
CASES REPORTED IN PAST TWO WEEKS: Data from 11/6/2021 to 11/19/2021

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

11/19/21
 mm/dd/yy

Number of Cases reported in past two weeks	Count	% **
In quarantine at time of onset/positive test	14	16.9%
Associated with known cluster/outbreak	4	4.8%
Any contact (HC, Comm, HH) to confirmed case	25	30.1%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	6	7.2%
Household Contact to confirmed case	22	26.5%
Attended Community Event/Mass Gathering	0	0.0%
Any Travel (international, domestic, in state)	1	1.2%
Source of infection is unknown	29	34.9%

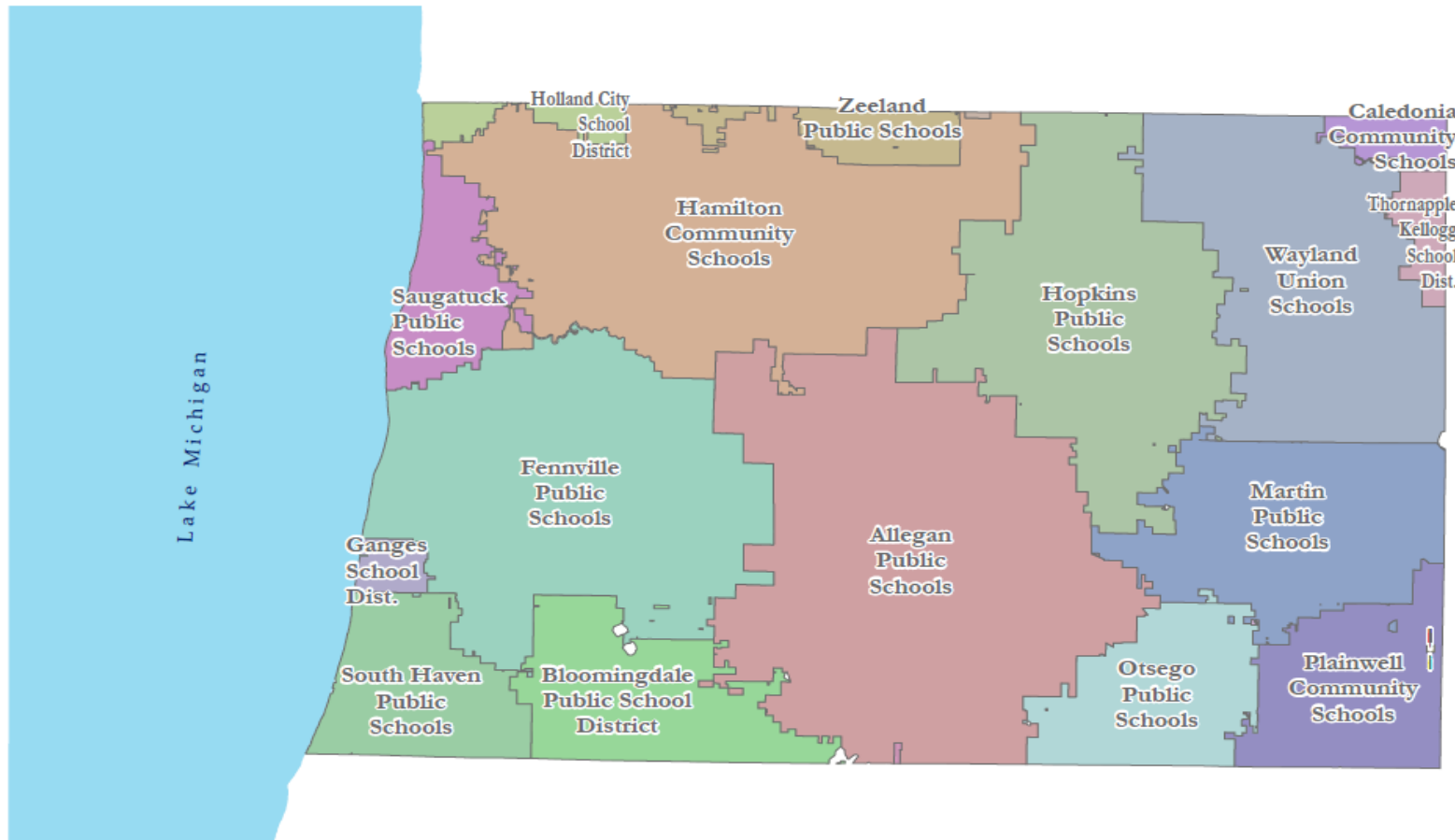
** Denominator is the number of cases reported in past two weeks



Source: Michigan Disease Surveillance System

Map for Cases by School District: Data from 11/6/21 to 11/19/21

Allegan County School Districts



Total Cases
(11/6/21 to 11/19/21)

Ages 5 to 10: 157

Ages 11 to 13: 75

Ages 14 to 17: 81

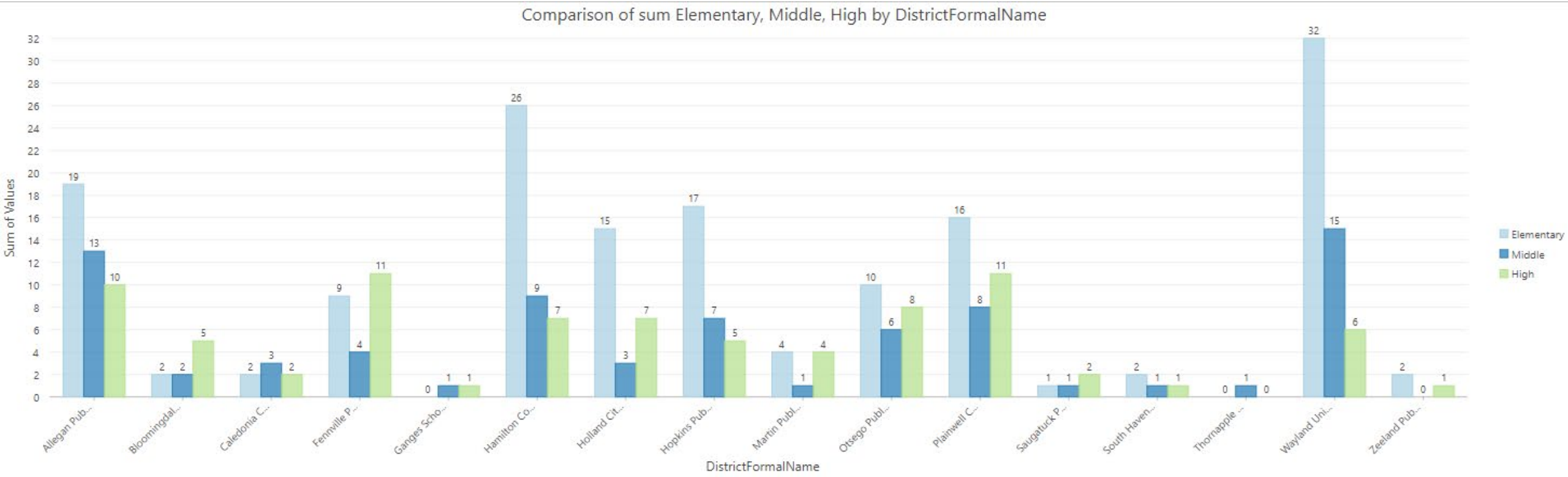
*Please note this data is formulated by address from Michigan Disease Surveillance System and some school age cases in a district may attend school in another district. Cases are updated on all school websites, please see individual school district webpage for more specific case numbers as required by the October 6, 2020 MDHHS Epidemic Order, Reporting of Confirmed and Probable Cases of COVID-19 at School.

Chart for Cases by School District: Data from 11/6/21 to 11/19/21

Total Elementary Cases: 157

Total Middle School Cases: 75

Total High School Cases: 81



*Please note this data is formulated by address from Michigan Disease Surveillance System and some school age cases in a district may attend school in another district. Cases are updated on all school websites, please see individual school district webpage for more specific case numbers as required by the October 6, 2020 MDHHS Epidemic Order, Reporting of Confirmed and Probable Cases of COVID-19 at School.

<i>School District</i>	<i>Vaccine Efforts</i>	<i>Mask Requirements</i>	<i>Contact Tracing/ Screening</i>	<i>Social Distancing</i>	<i>Air Ventilation/ Cleaning</i>	<i>Percent Vaccinated</i>	<i>Number of Cases</i>
Allegan Public Schools [§]		✓	✓	✓	✓	21%	34
Allegan Area Educational Service Agency** (includes ACATEC and Hillside)		✓	✓	✓	✓		10
Fennville Public Schools	✓			✓	✓	21.77%	18
Glenn Public School		✓		✓	✓	Staff: 90%	2
						Students: 0%	
Hamilton Community Schools				✓	✓	13%	36
Holland Christian Schools ^{‡, ◊}							1
Hopkins Public Schools**, [§]		✓		✓	✓		14
Innocademy- Allegan Campus	✓		✓	✓	✓	Students: 15%	3
Martin Public Schools [‡]						6-8 th grade: 17%	4
						9-11 th grade: 19%	
Moline Christian School ^{‡, ◊}							0
Otsego Public Schools				✓	✓	35%	26
Outlook Academy	✓		✓	✓	✓	43%	0
Plainwell Community Schools	✓		✓	✓	✓	22%	9
Saugatuck Public Schools [§]	✓	✓	✓	✓	✓	HS: 49%	11
						MS: 24%	
St. Mary's Visitation**		✓	✓	✓	✓		0
St. Margaret School ^{‡, ◊}							0
St. Stanislaus School ^{‡, ◊}							1
St. Therese Catholic School**	✓	✓	✓	✓	✓		0
Wayland Union Schools	✓		✓	✓	✓	HS: 28%	35
						MS: 14%	
						CCA: 18%	

§ Following universal masking for K-12 students until after the Thanksgiving break

**Data is insufficient for calculating percent vaccinated

‡ Did not receive information in the ACHD 21-22 Back to School Survey

◊ Did not receive roster information to calculate percent vaccinated

Data for Number of Cases is the current number of cases in that district as of 11/22/21

Data for Percent Vaccinated is fully vaccinated/ number of students or staff (roster provided by school district). Data calculations for percent vaccinated is as of 10/8/21

Close Contact Data by School Building (Districts A-M)

District	School	Total Close Contacts	School Exposure	On Quarantine	Eligible for Self Monitoring / Close Contacts Attending Class	Eligible for Daily Testing	Total student population
AAESA	ACATEC	5	3	5	0	0	638
AAESA	Hillside	0	0	0	0	0	124
Allegan	Allegan HS	38	33	8	30	0	581
Allegan	Dawson El	18	12	13	5	0	284
Allegan	LE White MS	155	145	47	108	9	492
Allegan	Pine Trails El	12	10	2	10	0	347
Allegan	West Ward El	11	6	11	0	0	234
Fennville	Fennville El	45	14	45	0	0	551
Fennville	Fennville MS	21	5	20	1	0	310
Fennville	Fennville HS	13	11	12	1	0	421
Glenn	Glenn	0	0	0	0	0	33
Hamilton	Bentheim El	30	30	30	0	0	234
Hamilton	Blue Star El	10	10	10	0	0	233
Hamilton	Hamilton El	44	44	44	0	0	356
Hamilton	Hamilton HS	7	7	7	0	0	798
Hamilton	Hamilton MS	34	34	34	0	0	821
Hamilton	Sandyview El	0	0	0	0	0	98
Hopkins	Hopkins El	0	0	0	0	0	397
Hopkins	Hopkins HS	2	0	2	0	0	522
Hopkins	Hopkins MS	23	15	15	8	0	369
Hopkins	Sycamore El	9	0	9	0	0	251
Martin	Brandon El	1	0	1	0	0	288
Martin	Martin HS	6	2	6	0	0	331
Martin	Martin MS	0	0	0	0	0	
Charter	Innocademy	0	0	0	0	0	87
Charter	Outlook	0	0	0	0	0	44

This data is the identified current close contacts by each school building on **11/22/2021**. **Note: this is not an aggregate number.**

Source: ACHD School SharePoint Site

Definitions:

- Total close contact:** Any school staff or student that was determined to meet the close contact definition (includes household exposures)
- Eligible for self monitoring/still attending:** Any close contact that is still attending school due to vaccination status, previous infection in the last 90 days, or both case and close contact were masked during time of exposure.
- School Exposure:** the exposure was identified in the school setting
- On quarantine:** those that are following the traditional quarantine and not attending school during their quarantine period.
- Eligible for Daily Testing:** Any school staff or student identified as a close contact to an unmasked case, but was wearing a mask during the time of exposure. These individuals have a quarantine option to test daily for 7 days in order to stay in school.
- Total Student Population:** numbers are from the 2020-2021 school year from [MI School Data](#). Please note this does not include staff numbers. Private schools were not available at the time of publication.

Close Contact Data by School Building (Districts O-W & Non-Public)

District	School	Total Close Contacts	School Exposure	On Quarantine	Close Contacts Attending Class	Eligible for Daily Testing	Total student population
Otsego	Dix St. El	0	0	0	0	0	310
Otsego	Otsego HS	0	0	0	0	0	687
Otsego	Otsego MS	0	0	0	0	0	535
Otsego	Otsego WC HS	0	0	0	0	0	33
Otsego	Washington El	0	0	0	0	0	427
Plainwell	Gilkey El	20	19	20	0	0	378
Plainwell	Plainwell HS	0	0	0	0	0	834
Plainwell	Renaissance HS	0	0	0	0	0	61
Plainwell	Starr El	12	11	12	0	0	452
Plainwell	Plainwell MS	0	0	0	0	0	645
Saugatuck	Douglas El	36	19	31	5	1	345
Saugatuck	Saugatuck HS	22	16	9	13	1	264
Saugatuck	Saugatuck MS	40	38	25	15	0	206
Wayland	Baker El	3	3	3	0	2	318
Wayland	Dorr El	5	5	4	1	4	396
Wayland	Pine St. El	16	16	13	3	0	405
Wayland	Steeby El	0	0	0	0	0	241
Wayland	Wayland HS	31	31	31	0	0	825
Wayland	Wayland MS	119	119	118	1	4	684
Non-Public	East Martin	0	0	0	0	0	
Non-Public	Moline Christian	0	0	0	0	0	
Non-Public	St. Margaret's	3	0	3	0	0	
Non-Public	St. Mary's	0	0	0	0	0	
Non-Public	St. Stanislaus	0	0	0	0	0	
Non-Public	St. Therese	0	0	0	0	0	
Non-Public	Holland Christian	0	0	0	0	0	

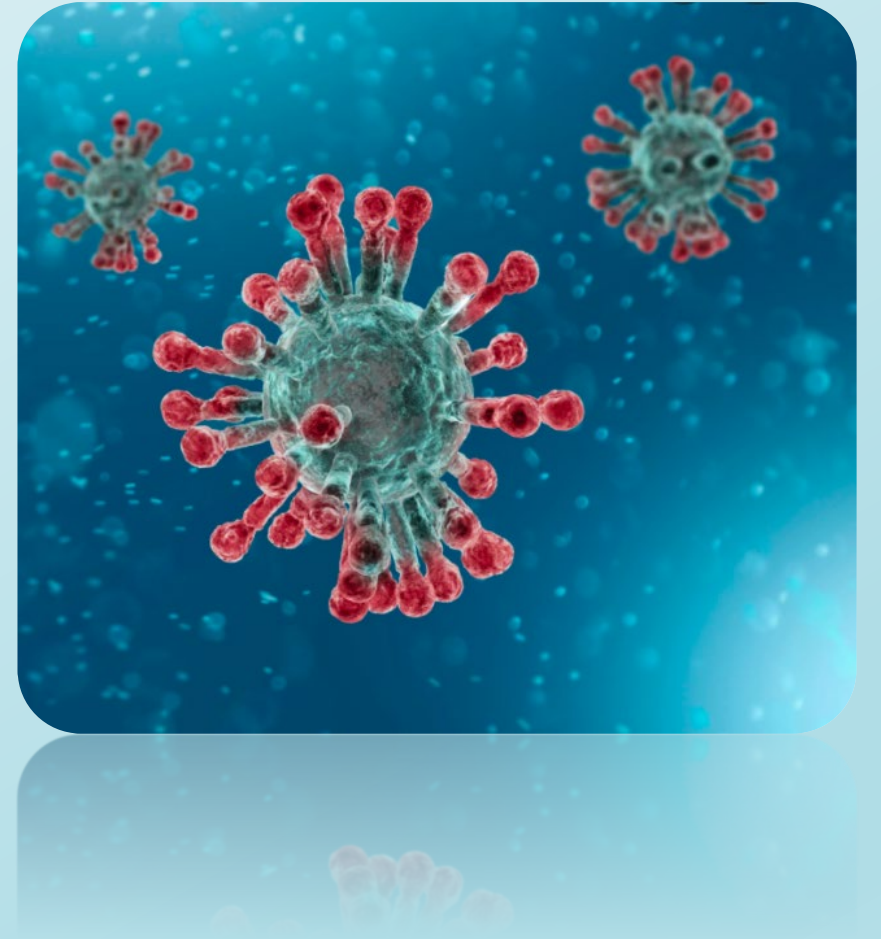
This data is the identified current close contacts by each school building on **11/22/2021**. **Note: this is not an aggregate number.**

Source: ACHD School SharePoint Site

Definitions:

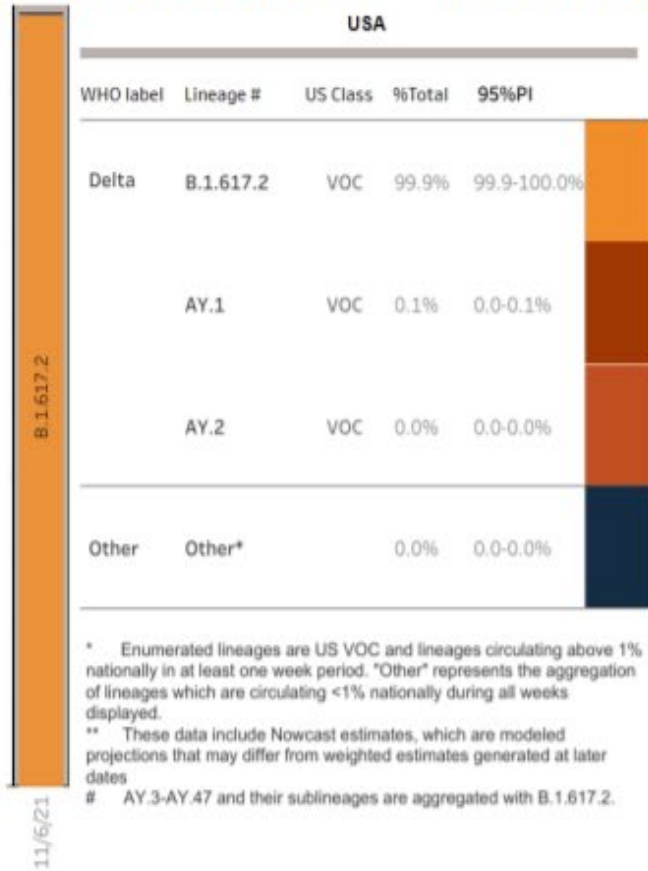
- Total close contact:** Any school staff or student that was determined to meet the close contact definition (includes household exposures)
- Eligible for self monitoring/still attending:** Any close contact that is still attending school due to vaccination status, previous infection in the last 90 days, or both case and close contact were masked during time of exposure.
- School Exposure:** the exposure was identified in the school setting
- On quarantine:** those that are following the traditional quarantine and not attending school during their quarantine period.
- Eligible for Daily Testing:** Any school staff or student identified as a close contact to an unmasked case, but was wearing a mask during the time of exposure. These individuals have a quarantine option to test daily for 7 days in order to stay in school.
- Total Student Population:** numbers are from the 2020-2021 school year from [MI School Data](#). Please note this does not include staff numbers. Private schools were not available at the time of publication.

Science Round Up: School Related Data

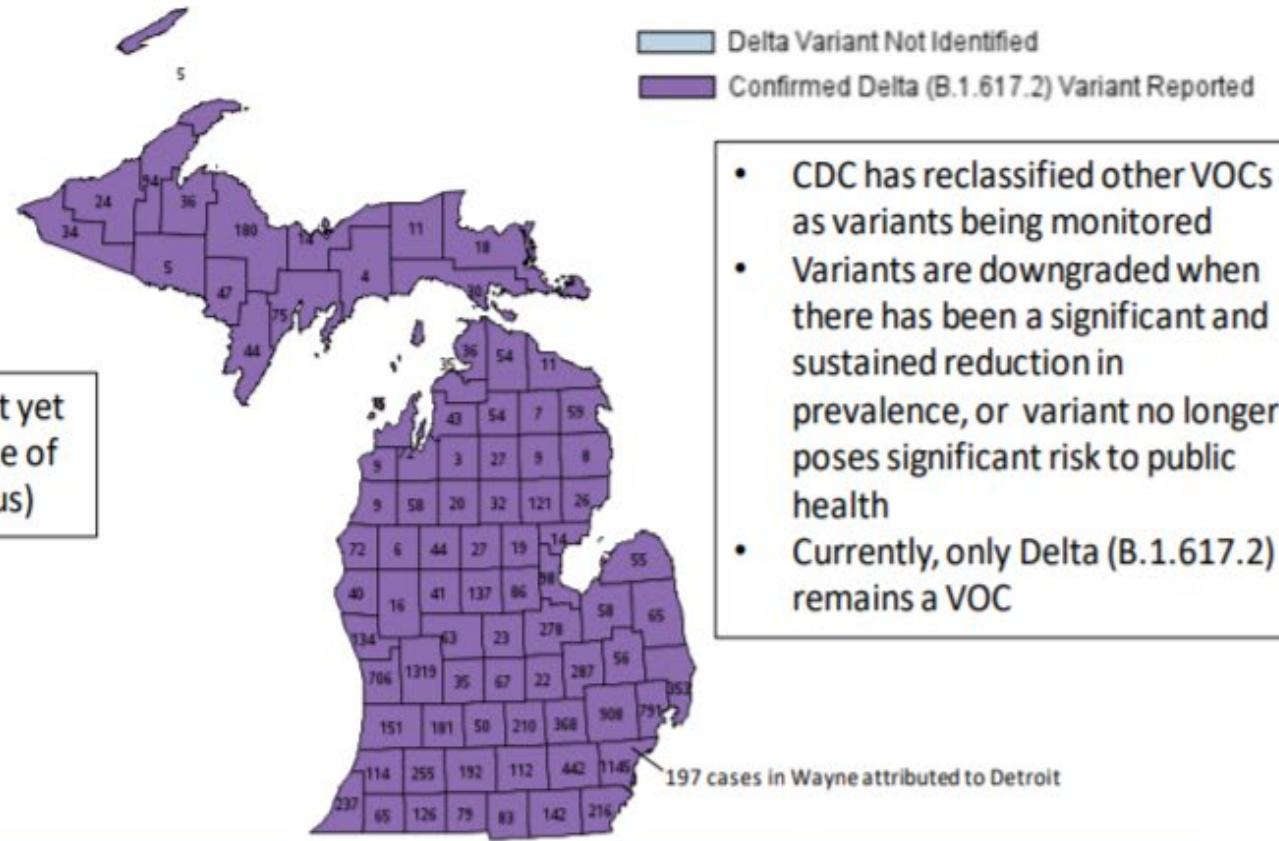


Identified COVID-19 Cases Caused by Variants of Concern (VOC) in US and Michigan

SARS-CoV-2 Variants Circulating in the United States. Oct 31 – Nov 6 (NOWCAST)



Variants of Concern in Michigan, Nov 15



- 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

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

Variant	MI Reported Cases*	# of Counties	MDHHS VOC Sequenced Prev.
B.1.617.2 (delta)	11,439	83	100%

Data last updated Nov 15, 2021
 Source: MDSS

Michigan Trends, as of November 16, 2021

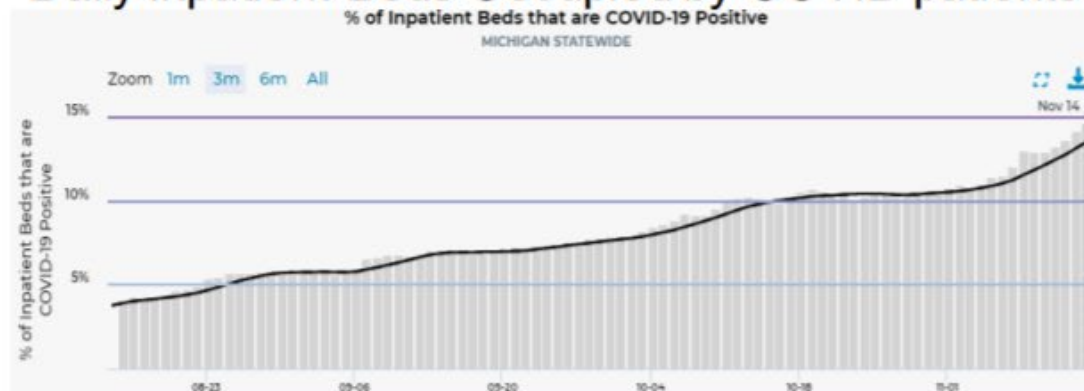
Time Trends – Positivity, Case Rates, Hospitalizations, Deaths

➤ Core COVID-19 indicators show that transmission is increasing, and burden remains high in Michigan

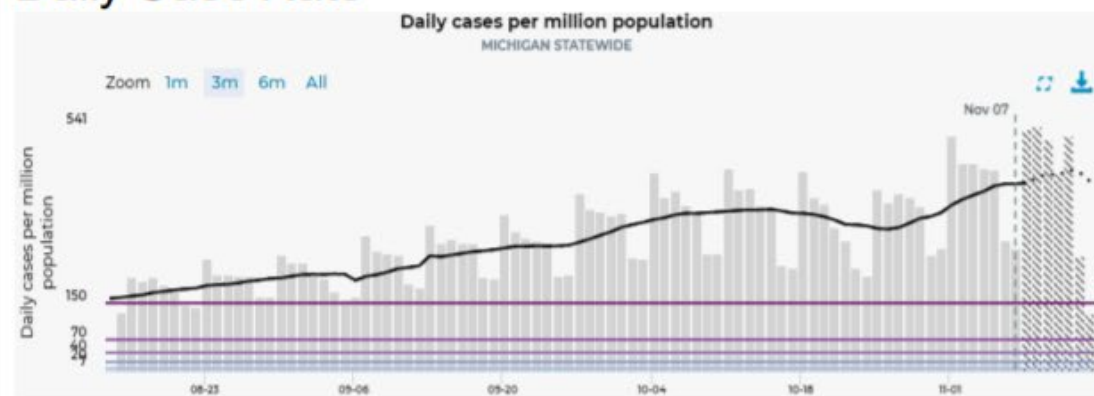
Daily Positive Test Rate



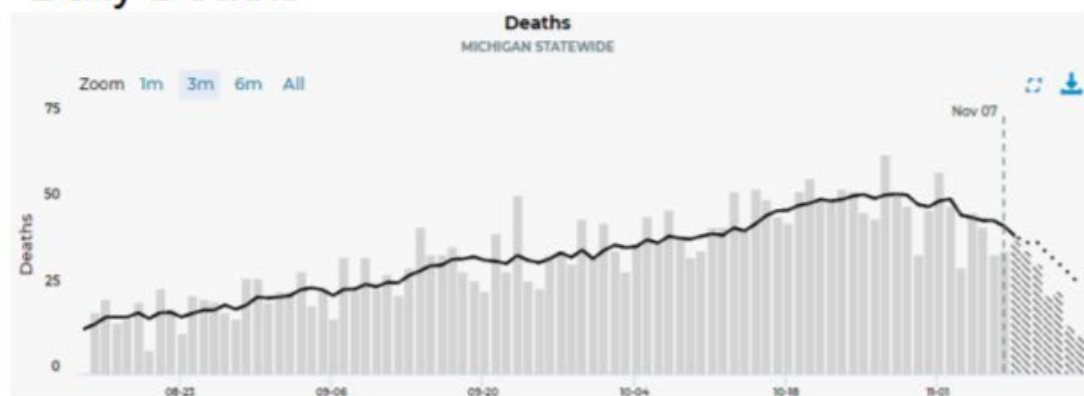
Daily Inpatient Beds Occupied by COVID patients



Daily Case Rate



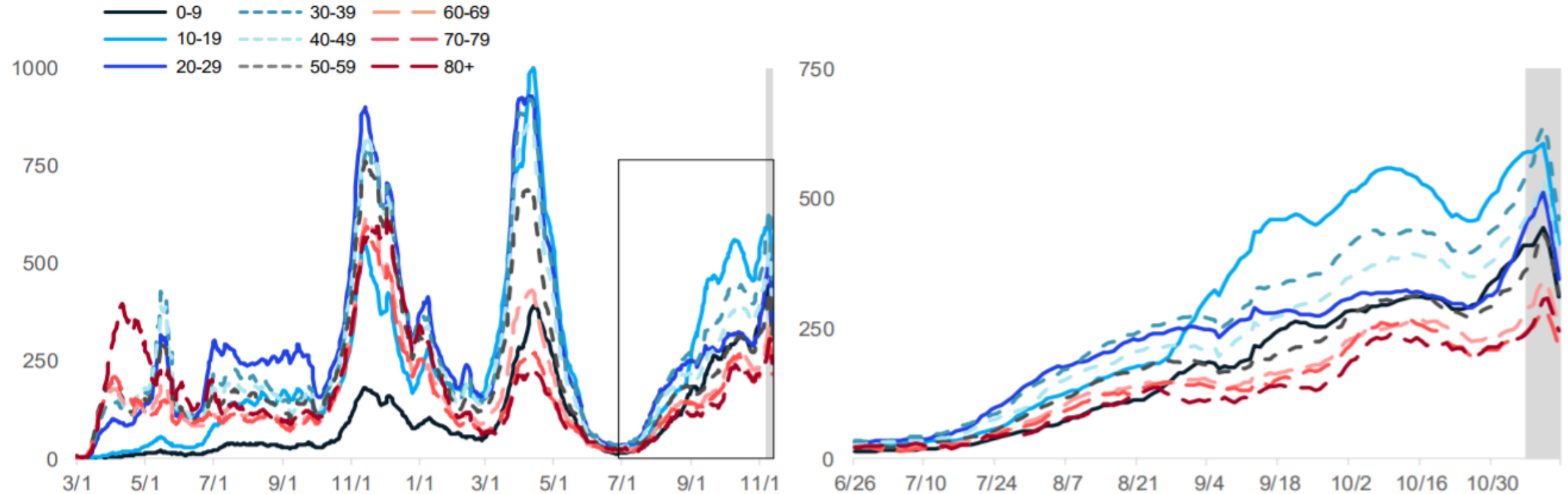
Daily Deaths



Michigan Trends, as of November 16, 2021

Case Rate Trends by Age Group

Daily new confirmed and probable cases per million by age group (7-day rolling average)



- Case rate trends for all age groups are increasing
- Case rates by onset date for all age groups are between 235 and 590 cases per million (through 11/8)
- Case rates remain highest for **10-19-year-olds**, but cases for 20-29 saw the largest one-week growth

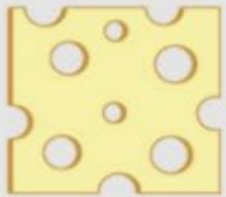
Note: Case information sourced from MDHHS and reflects date of onset of symptoms
Source: MDHHS – Michigan Disease Surveillance System

Mitigation Strategies for Schools

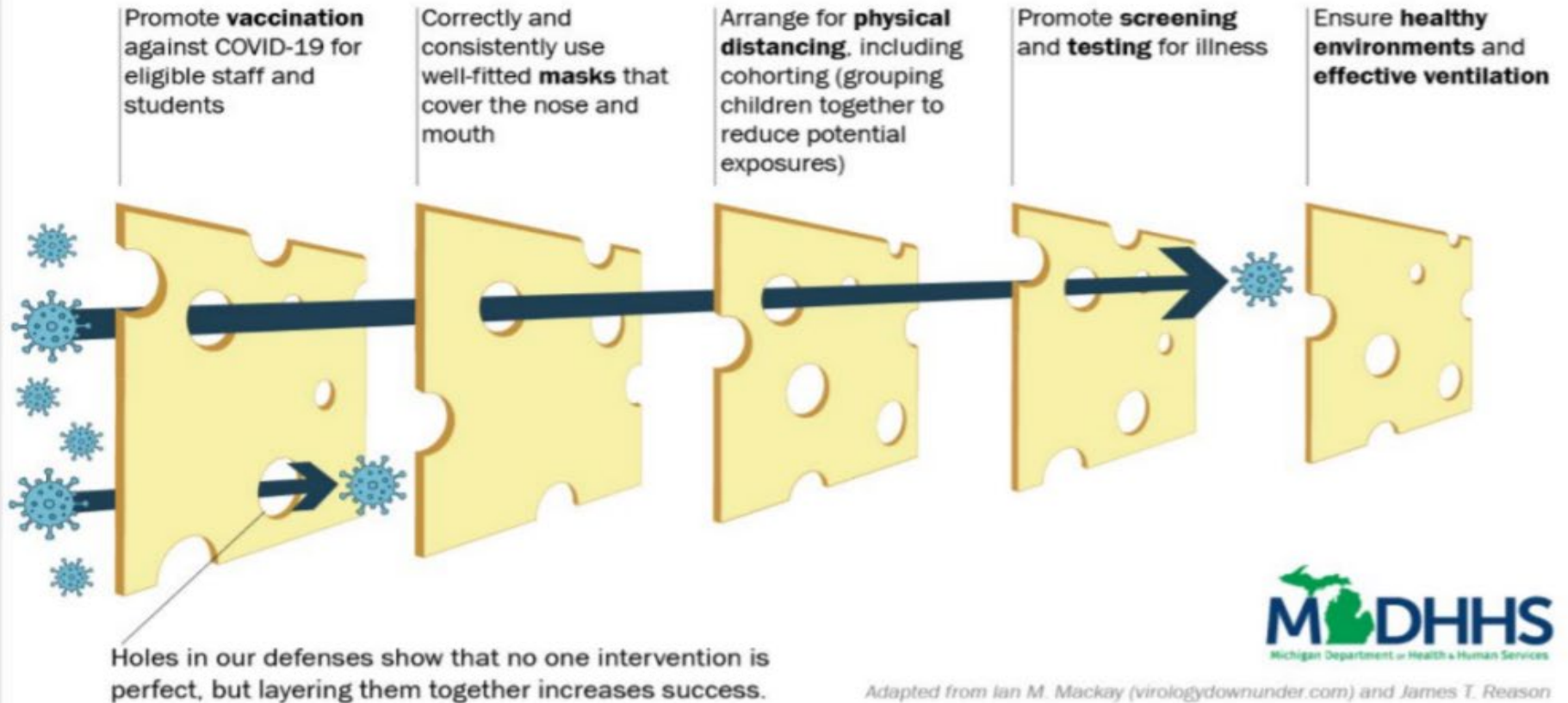
Layers of Defense Against COVID-19 in Schools

CDC recommended prevention strategies can be layered in different ways – the number and intensity of the layers can increase if community transmission increases

As community transmission increases, more holes appear in the defenses, meaning more layers of protection may be needed.



As the vaccination rate within a building or facility increases, fewer holes will appear in the defenses.



Adapted from Ian M. Mackay (virologydownunder.com) and James T. Reason

Safer Ways to Celebrate Holidays

Holiday traditions are important for families and children. There are several ways to enjoy holiday traditions and protect your health. Many generations tend to gather to celebrate holidays. Here are some ways to celebrate the holidays more safely:



- The best way to minimize COVID-19 risk and keep your family and friends safer is to **get vaccinated** if you're eligible.
- If you are sick or have symptoms, don't host or attend a gathering.
- Regardless of vaccination status, all those aged 2 or older, you should **wear a mask in indoor public places** in areas of substantial or high SARS-CoV-2 transmission and in crowded, poorly ventilated outdoor areas.
- **Before a multihousehold gathering, consider taking a rapid antigen test**, regardless of whether you've been in contact with someone with COVID-19; if you test positive, stay home until you consult your provider and rule out any possibility of infecting others.
- Consider a setting where people can spread out and where there can be good ventilation.
- If you are traveling for a holiday event, follow domestic and international travel guidelines and public health recommendations.
- Practice healthy hygiene – e.g., proper respiratory etiquette, wash your hands frequently, and avoid touching your face.
- People who have a condition or are taking medications that weaken their immune system may not be fully protected even if they are fully vaccinated. They should continue to take all precautions recommended for unvaccinated people, including wearing a well-fitted mask, until advised otherwise by their healthcare provider.
- Visit the CDC COVID-19 [Safer Ways to Celebrate Holidays](#) and [Travel Guidelines](#) for more information on how to keep yourself and your loved ones safe this holiday season.



HEALTH
Department

Questions on the School Reports?

Please submit an [inquiry form](#) with your questions and your contact information.