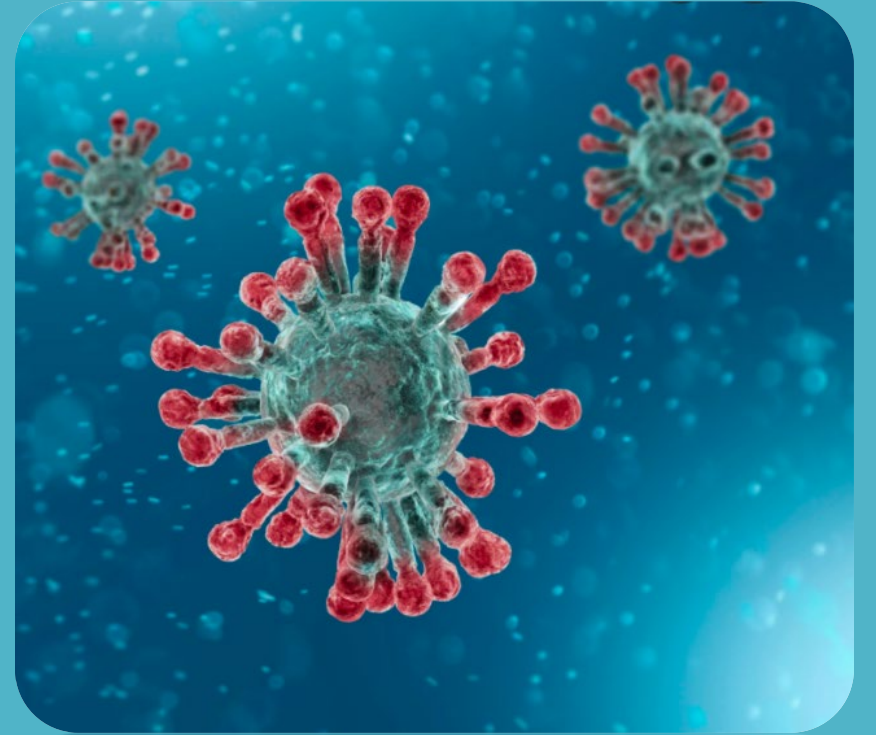


# ACHD COVID-19 School Update

2021-2022 School Year

November 9, 2021 Update



# About this Report

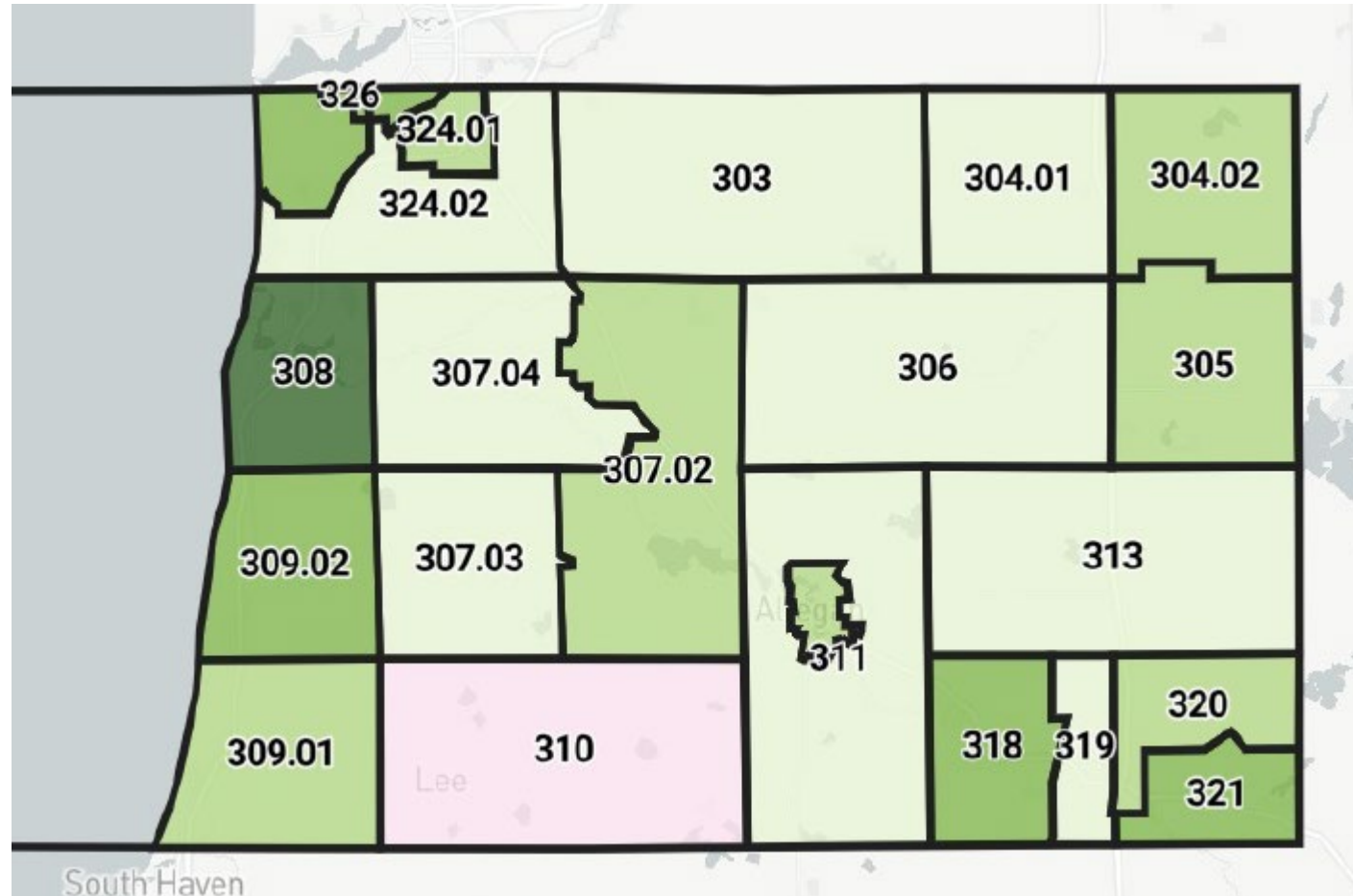
This report is compiled on a bi-weekly basis, and publication will be on the 2<sup>nd</sup> and 4<sup>th</sup> Tuesday of each month.

This report will be published under the “Schools” resource section on [www.allegancounty.org/covid](http://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 8, 2021

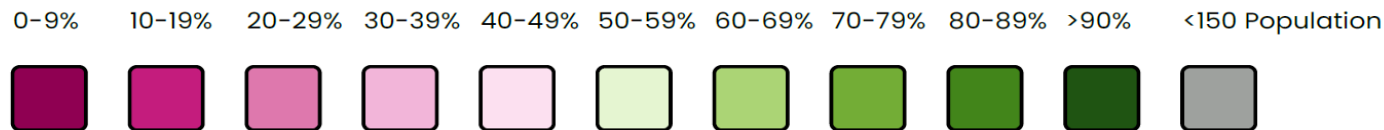


**Allegan County Percentage Fully Vaccinated All Ages:**  
**48.6%** (56,025/115,250)

**Percent Breakthrough, All Ages:**  
**1.53 %** (845/55,319)

- Data as of 10/26/21
- Breakthrough case: a confirmed COVID-19 case in a fully-vaccinated individual

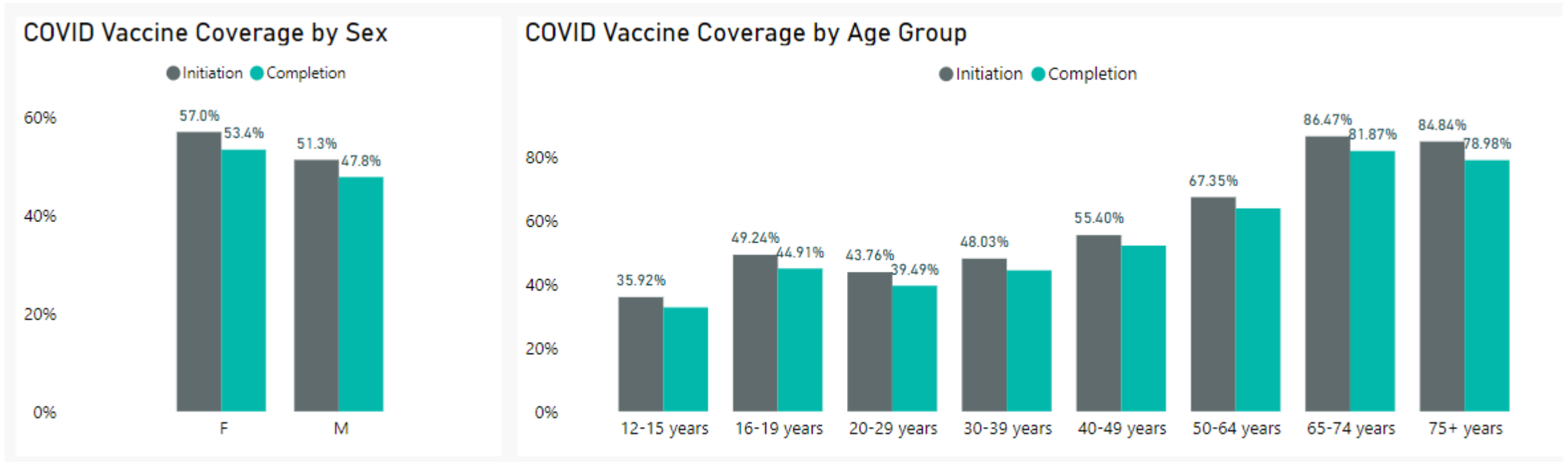
Color coded by: Received 1 or More Dose (% Ages 16+)



MI Lighthouse Report: Region Map

Source: Michigan Disease Surveillance System;  
 MI Lighthouse Report

# Allegan County Vaccination by Gender and Age Group, As of November 5, 2021



Age 12-15  
 Initiated: 2,417: 35.9%  
 Completed: 2,199: 32.7%

Age 16-19  
 Initiated: 2,844: 49.2%  
 Completed: 2,594: 44.9%

**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](#)

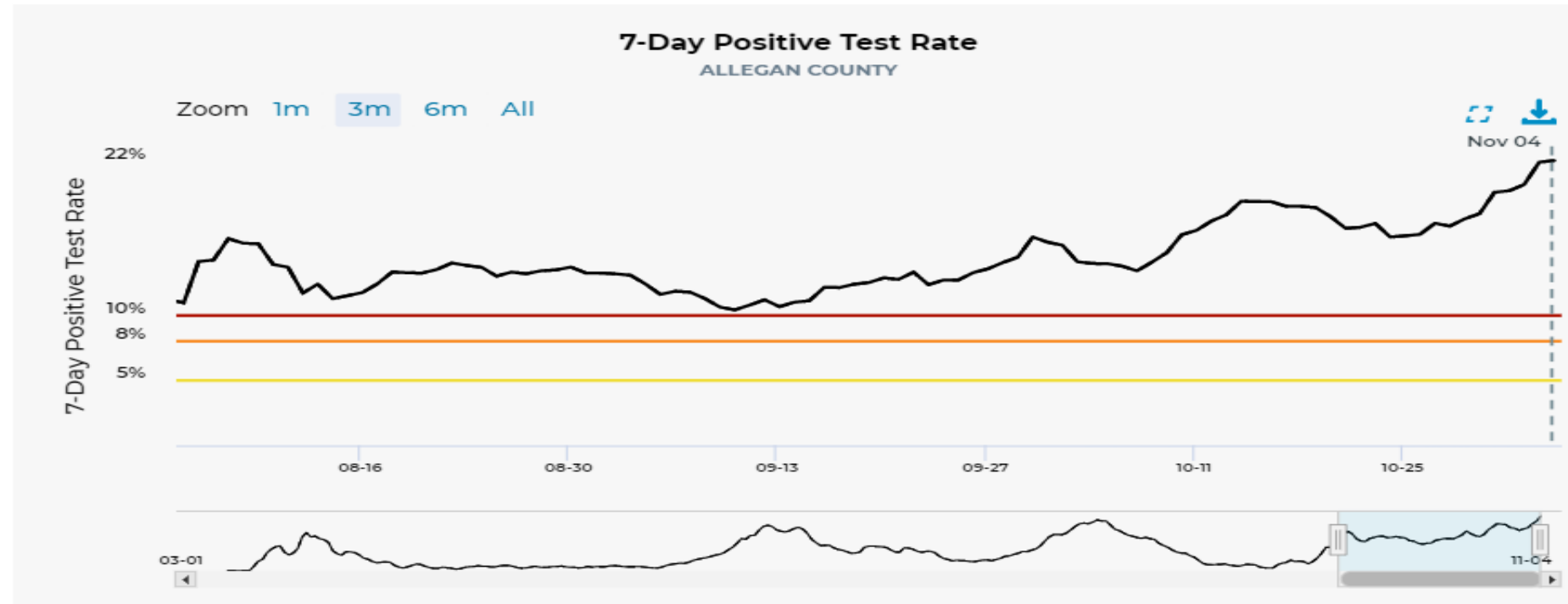
# Alleghan County Testing Trends All Ages, As of November 4, 2021

✓ **Test Positivity**  
Oct 29 - Nov 04

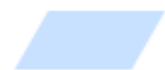
**22%**  
positive tests

**3.1k**  
daily tests administered per million

↗ **1 week** ⓘ  
Oct 22 - Oct 29



### Risk Thresholds (% Positive)



**Low:** <5%



**Moderate** 5-<8%



**Substantial** 8-<10%



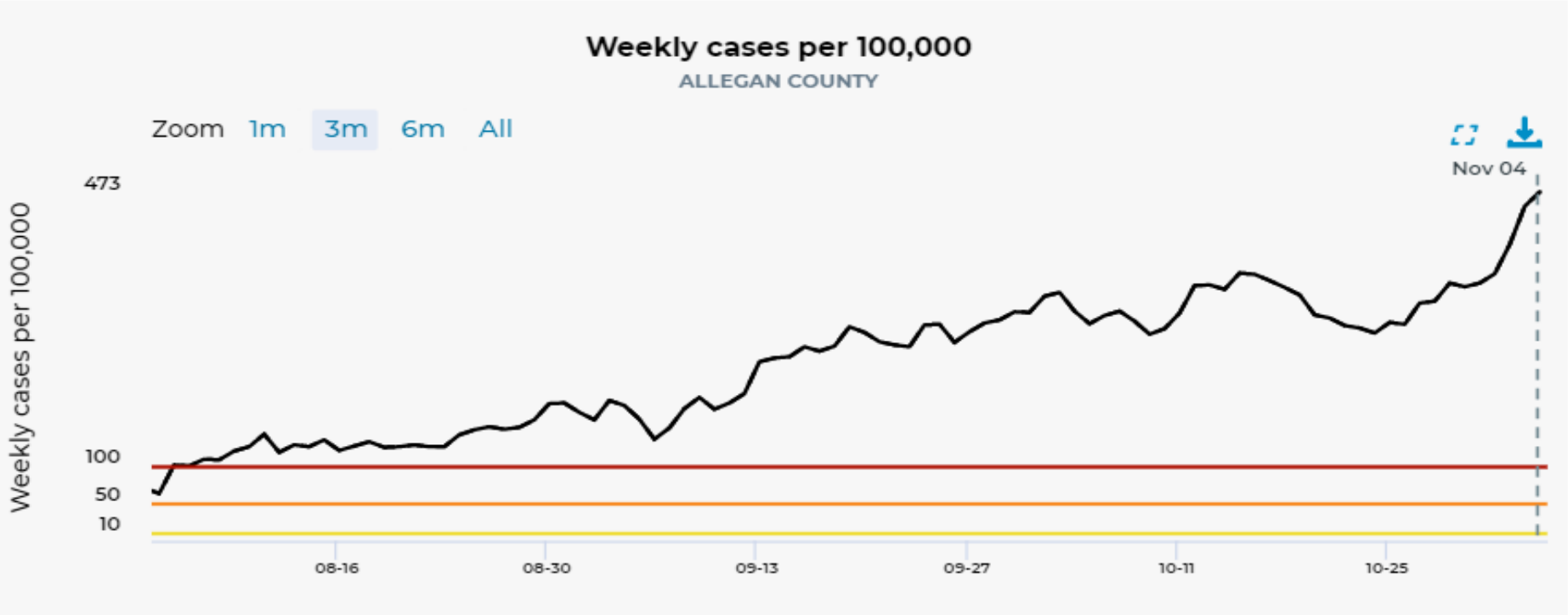
**High** >=10%

# Alleghan County Case Trends All Ages, As of November 4, 2021

**New Cases**  
Oct 29 - Nov 04

**473.4**  
weekly cases per 100,000 population

**559**  
weekly cases



Risk Thresholds (Cases per 100,000)



Low: <10



Moderate 10-49



Substantial 50-99



High >=100

Source: [MI Safe Start Map](#)

# Allegan County Case Trends School Ages 3-17

## March 2020 through November 5, 2021

As of March 2020,  
15.0 % were asymptomatic cases (no symptoms but tested positive for COVID-19)

Total Cases March 2020 to November 5, 2021: 2,416

### Data from 3/1/2020 to 11/5/21

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

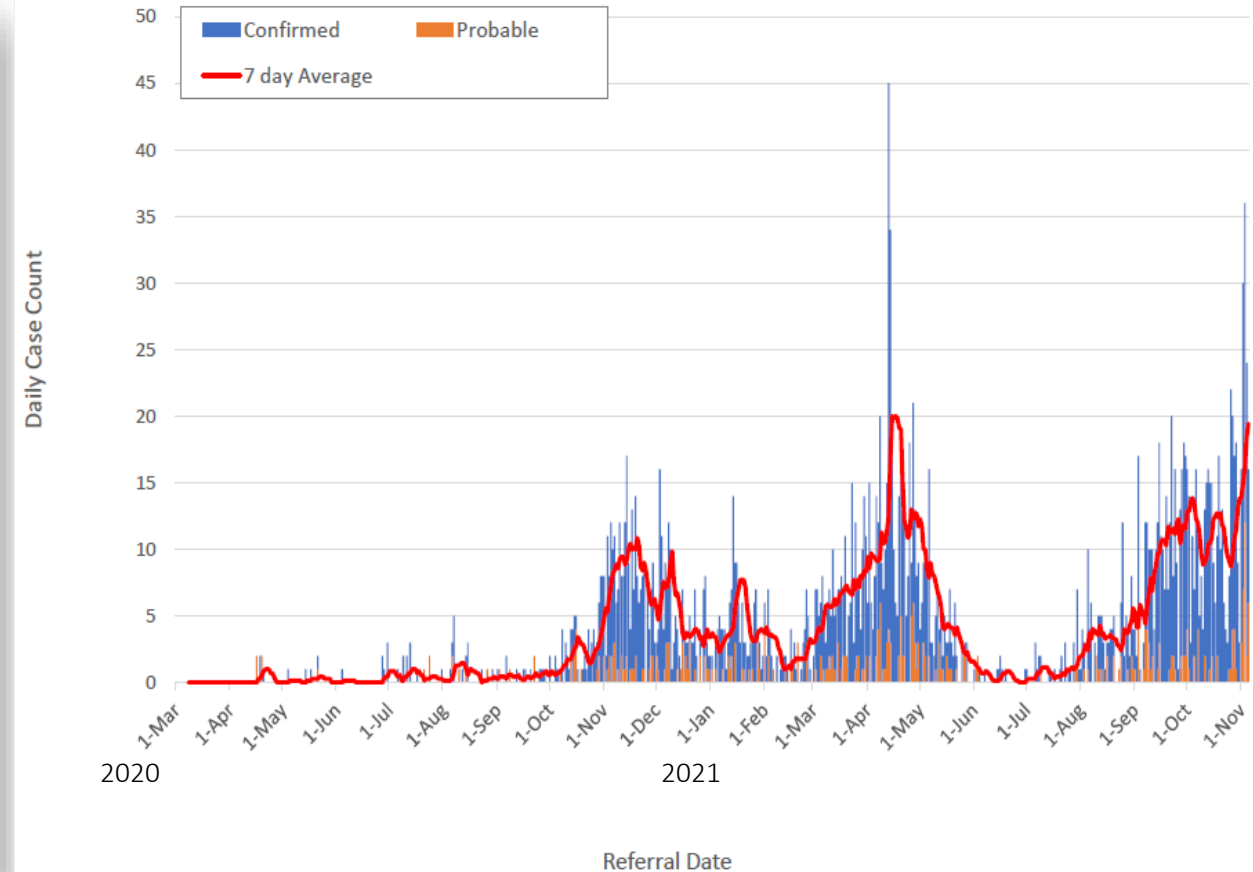
03/01/20  
mm/dd/yy

Number of Cases reported since March 2020

2416

	Count	% **
In quarantine at time of onset/positive test	798	33.0%
Associated with known cluster/outbreak	49	2.0%
Any contact (HC, Comm, HH) to confirmed case	1158	47.9%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	298	12.3%
Household Contact to confirmed case	894	37.0%
Attended Community Event/Mass Gathering	91	3.8%
Any Travel (international, domestic, in state)	151	6.3%
Source of infection is unknown	789	32.7%

Allegan County COVID-19 Cases, Age 3 - 17 by Referral Date



## Allegan County Breakdown of Total COVID-19 Cases by School Age (3-17)

From March 1, 2020 to November 5, 2021

### Breakdown of Cases by School Age Categories

Total Case Count	2416
Number of Cases <18 years	2416
% cases <18 years	100.0%

<u>Approximate Grade Level</u>	<u>Age</u>	<u>Case Count*</u>	<u>% total cases</u>	<u>% cases &lt;18 years</u>
	0-2 years	0	0.0%	0.0%
Pre-K age	3-4 years	138	5.7%	5.7%
K-5th grade age	5-10 years	738	30.5%	30.5%
6-8th grade age	11-13 years	499	20.7%	20.7%
9-12th grade age	14-17 years	1041	43.1%	43.1%

*\*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 5, 2021

### Breakdown of Cases by School Age Categories

Total Case Count	226
Number of Cases <18 years	226
% cases <18 years	100.0%

<u>Approximate Grade Level</u>	<u>Age</u>	<u>Case Count*</u>	<u>% total cases</u>	<u>% cases &lt;18 years</u>
	0-2 years	0	0.0%	0.0%
Pre-K age	3-4 years	12	5.3%	5.3%
K-5th grade age	5-10 years	84	37.2%	37.2%
6-8th grade age	11-13 years	54	23.9%	23.9%
9-12th grade age	14-17 years	76	33.6%	33.6%

*\*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.*



# Alleghan County Case Trends Elementary School Ages 5-10

## March 2020 through November 5, 2021

As of March 2020,  
 46.6 % were household contact to a confirmed case  
 18.5 % were asymptomatic cases (no symptoms but tested positive for COVID-19)

CASES REPORTED IN PAST TWO WEEKS: Data from 10/23/2021 to 11/5/21

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

11/05/21  
 mm/dd/yy

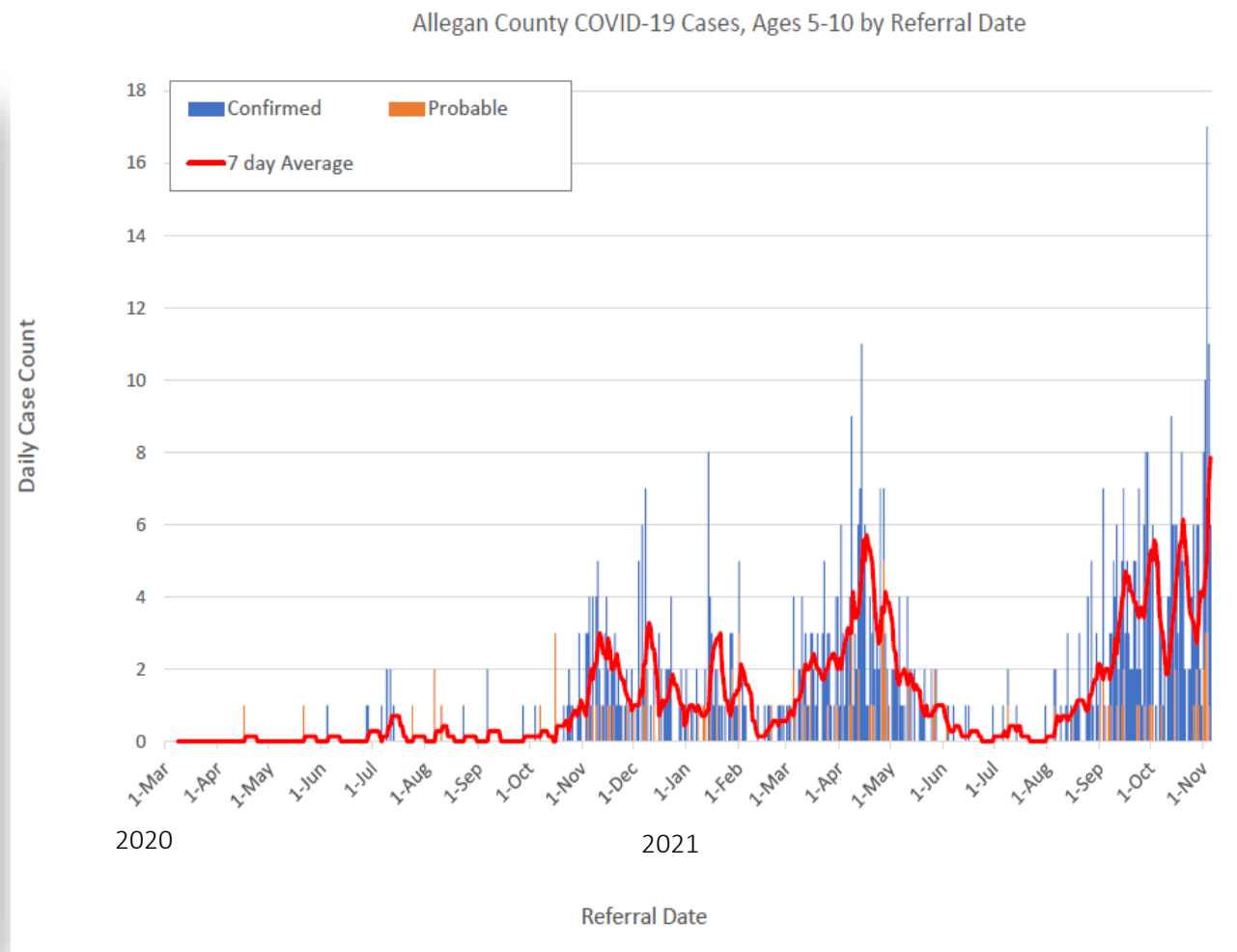
**Number of Cases reported in past two weeks**

84

	Count	% **
In quarantine at time of onset/positive test	26	31.0%
Associated with known cluster/outbreak	3	3.6%
Any contact (HC, Comm, HH) to confirmed case	42	50.0%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	10	11.9%
Household Contact to confirmed case	33	39.3%
Attended Community Event/Mass Gathering	5	6.0%
Any Travel (international, domestic, in state)	5	6.0%
Source of infection is unknown	25	29.8%

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

Total Cases March 2020 to November 5, 2021: 738



# Allegan County Case Trends Middle School Ages 11-13

## March 2020 through November 5, 2021

As of March 2020,  
 42.1 % 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 10/23/2021 to 11/5/21

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

11/05/21  
 mm/dd/yy

#### Number of Cases reported in past two weeks

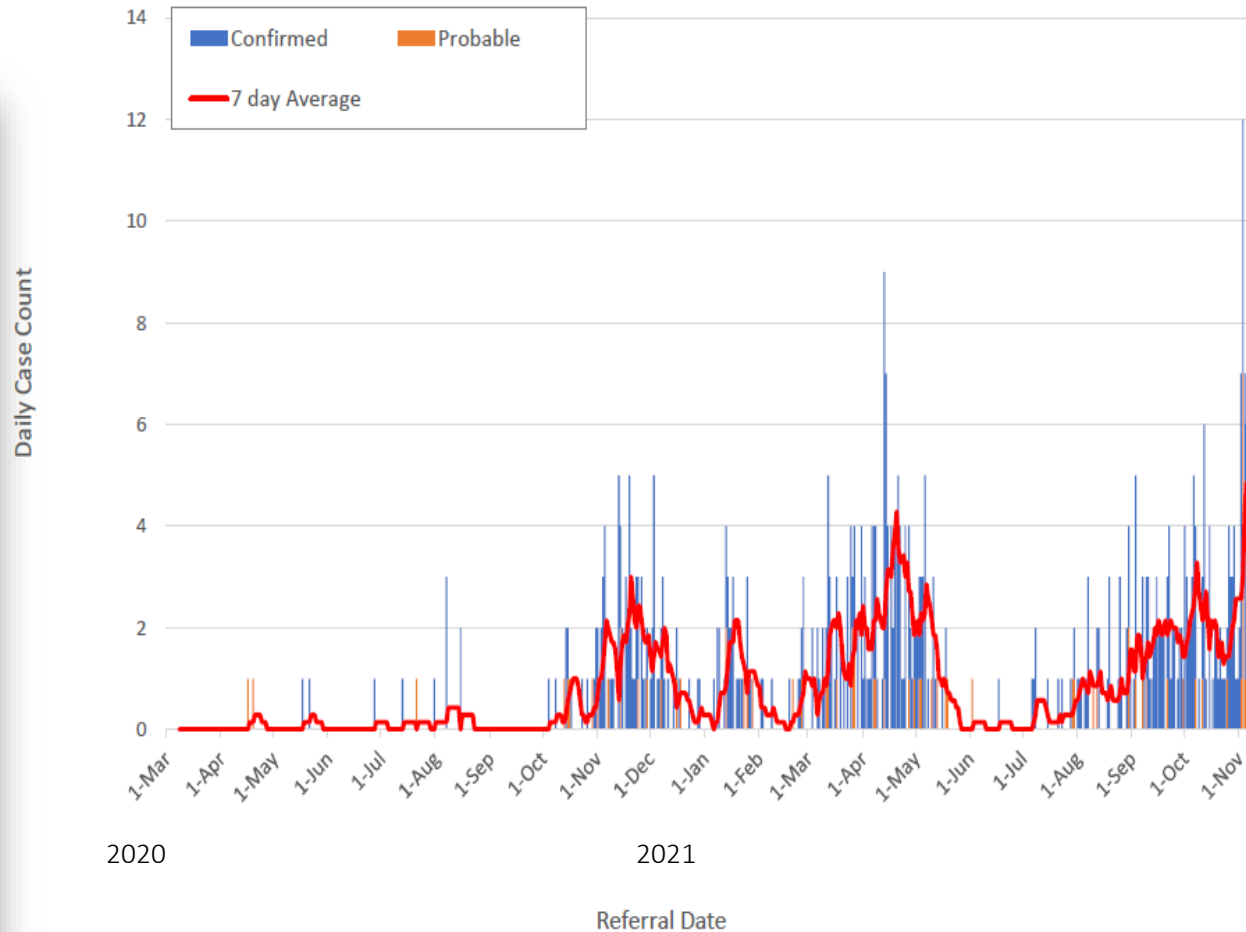
54

	Count	% **
In quarantine at time of onset/positive test	7	13.0%
Associated with known cluster/outbreak	0	0.0%
Any contact (HC, Comm, HH) to confirmed case	13	24.1%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	3	5.6%
Household Contact to confirmed case	11	20.4%
Attended Community Event/Mass Gathering	2	3.7%
Any Travel (international, domestic, in state)	0	0.0%
Source of infection is unknown	25	46.3%

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

Total Cases March 2020 to November 5, 2021: 499

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



Referral Date

Source: Michigan Disease Surveillance System

# Alleghan County Case Trends High School Ages 14 -17

## March 2020 through November 5, 2021

As of March 2020,  
 25.0 % were household contact to a confirmed case  
 12.5 % were asymptomatic cases (no symptoms but tested positive for COVID-19)

### CASES REPORTED IN PAST TWO WEEKS: Data from 10/23/2021 to 11/5/21

For this section to auto-calculate,

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

11/05/21  
 mm/dd/yy

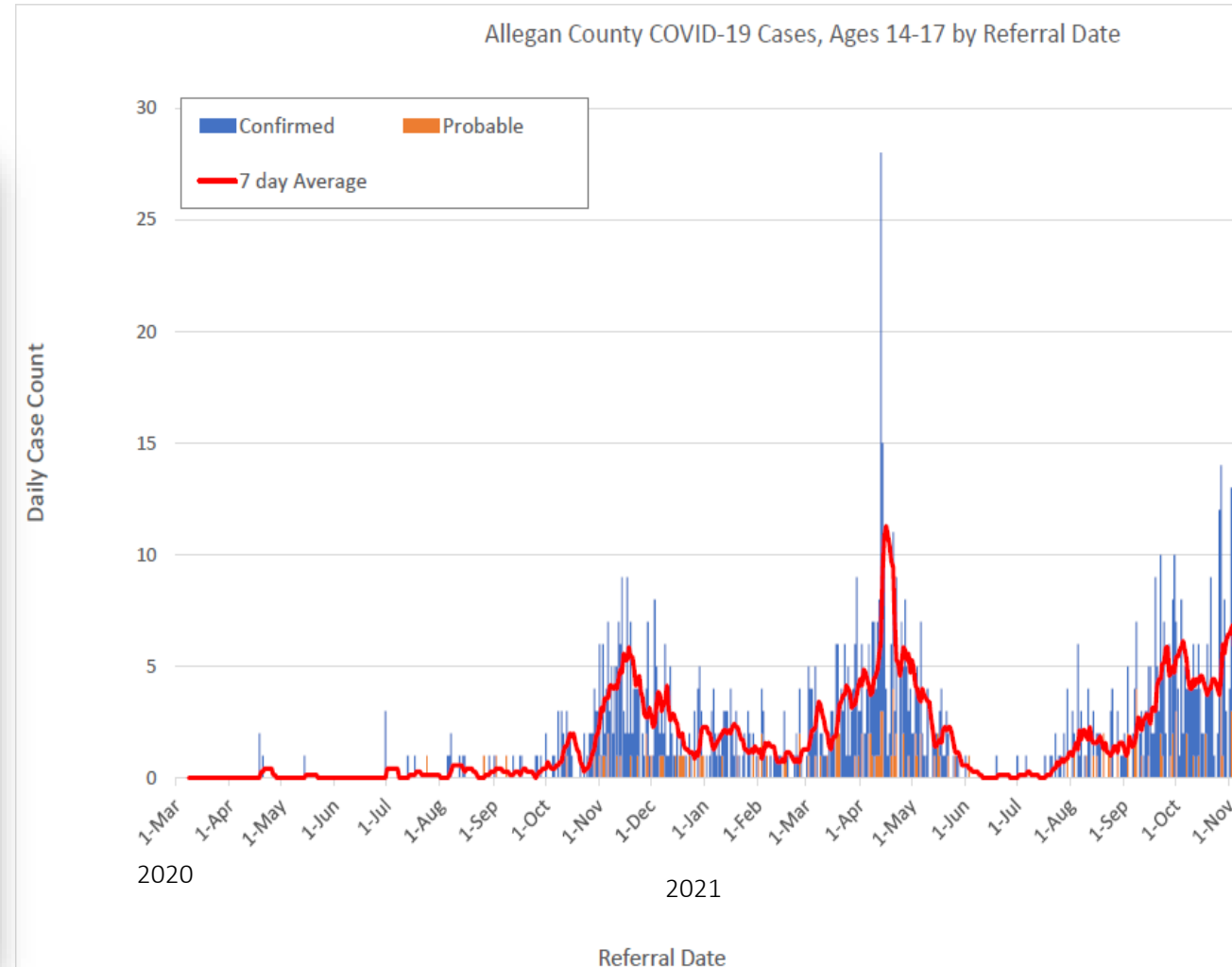
#### Number of Cases reported in past two weeks

76

	Count	% **
In quarantine at time of onset/positive test	17	22.4%
Associated with known cluster/outbreak	1	1.3%
Any contact (HC, Comm, HH) to confirmed case	29	38.2%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	6	7.9%
Household Contact to confirmed case	26	34.2%
Attended Community Event/Mass Gathering	1	1.3%
Any Travel (international, domestic, in state)	3	3.9%
Source of infection is unknown	32	42.1%

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

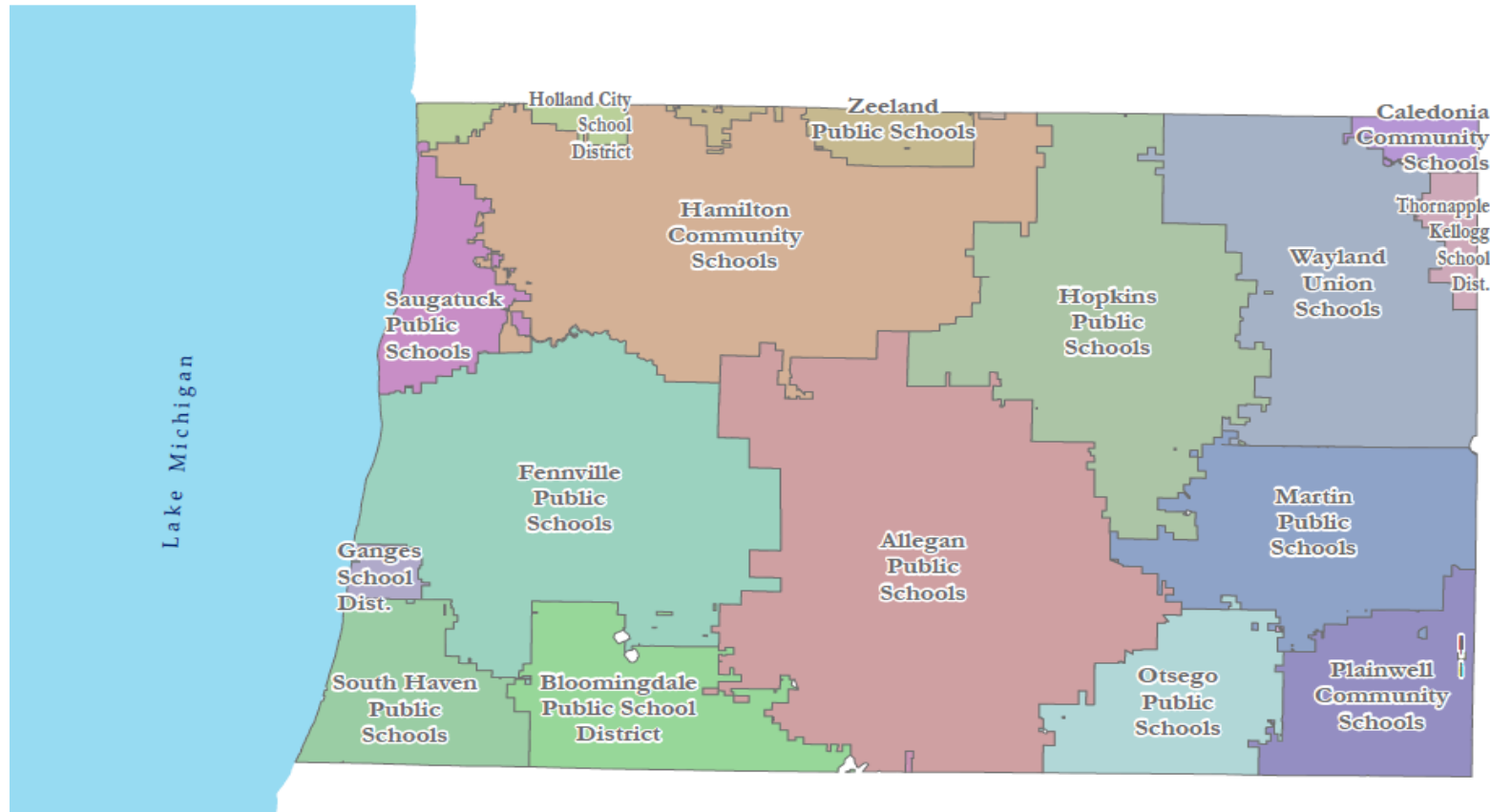
Total Cases March 2020 to November 5, 2021: 1,041



Source: Michigan Disease Surveillance System

# Map for Cases by School District: Data from 10/23/21 to 11/5/21

## Allegan County School Districts



**Total Cases**  
(10/23/21 to 11/5/21)

**Ages 5 to 10: 82**

**Ages 11 to 13: 54**

**Ages 14 to 17: 76**

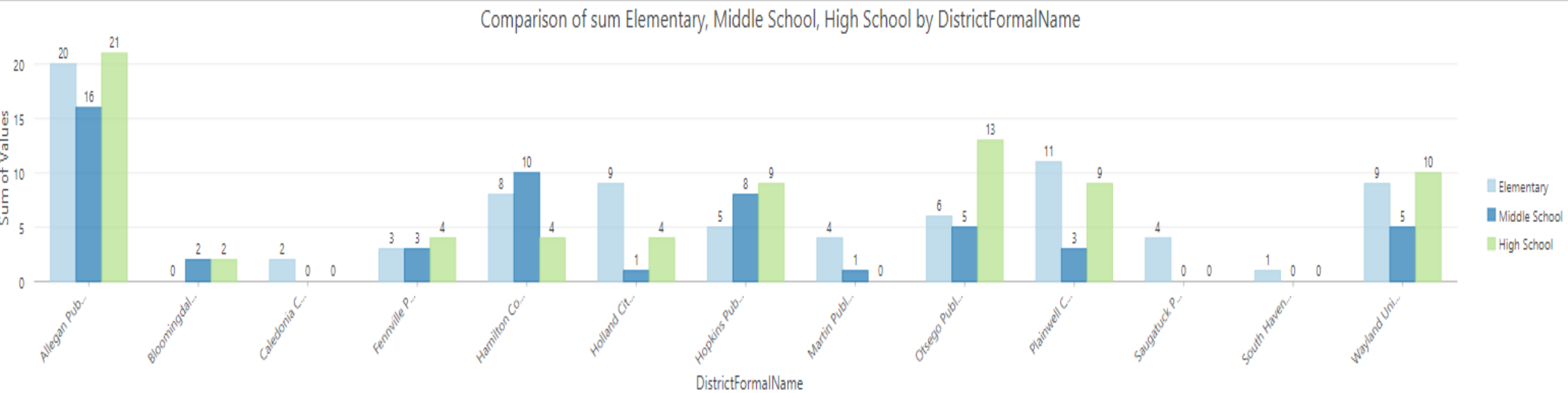
\*Please note this data is formulated by address from Michigan Disease Surveillance System and some school age cases in a district may attend school in another district. Cases are updated on all school websites, please see individual school district webpage for more specific case numbers as required 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 10/23/21 to 11/5/21

Total Elementary Cases: 82

Total Middle School Cases: 54

Total High School Cases: 76



\*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.

School District	Vaccine Efforts	Mask Requirements	Contact Tracing/ Screening	Social Distancing	Air Ventilation/ Cleaning	Percent Vaccinated	Number of Cases
Allegan Public Schools			✓	✓	✓	21%	59
Allegan Area Educational Service Agency** (includes ACATEC and Hillside)			✓	✓	✓		15
Fennville Public Schools	✓	✓*		✓	✓	21.77%	10
Glenn Public School		✓		✓	✓	Staff: 90%	1
						Students: 0%	
Hamilton Community Schools				✓	✓	13%	8
Holland Christian Schools †, ∅							0
Hopkins Public Schools**		✓*		✓	✓		45
Innocademy- Allegan Campus	✓		✓	✓	✓	Students: 15%	3
Martin Public Schools †						6-8 <sup>th</sup> grade: 17%	1
						9-11 <sup>th</sup> grade: 19%	
Moline Christian School <sup>†, ∅</sup>							
Otsego Public Schools				✓	✓	35%	38
Outlook Academy	✓		✓	✓	✓	43%	0
Plainwell Community Schools	✓		✓	✓	✓	22%	16
Saugatuck Public Schools	✓	✓	✓	✓	✓	HS: 49%	5
						MS: 24%	
St. Mary's Visitation**		✓	✓	✓	✓		1
St. Margaret School <sup>†, ∅</sup>							1
St. Stanislaus School <sup>†, ∅</sup>							1
St. Therese Catholic School**	✓	✓	✓	✓	✓		0
Wayland Union Schools	✓		✓	✓	✓	HS: 28%	23
						MS: 14%	
						CCA: 18%	

\* Following ACHD order of K-6 students to wear masks  
\*\*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 11/8/21**  
**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** *Sources: ACHD School SharePoint Site, ACHD Back to School Survey, MICR*

## 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	30	30	30	0	0	638
AAESA	Hillside	7	7	6	1	6	124
Allegan	Allegan HS	84	84	52	32	1	581
Allegan	Dawson El	38	36	38	0	1	284
Allegan	LE White MS	272	270	252	20	90	492
Allegan	Pine Trails El	56	55	56	0	0	347
Allegan	West Ward El	10	8	9	1	0	234
Fennville	Fennville El	21	13	21	0	0	551
Fennville	Fennville MS	14	10	14	0	0	310
Fennville	Fennville HS	26	23	17	9	1	421
Glenn	Glenn	21	21	21	0	0	33
Hamilton	Bentheim El	4	0	4	0	0	234
Hamilton	Blue Star El	0	0	0	0	0	233
Hamilton	Hamilton El	51	50	51	0	0	356
Hamilton	Hamilton HS	1	0	1	0	0	798
Hamilton	Hamilton MS	18	18	18	0	0	821
Hamilton	Sandyview El	0	0	0	0	0	98
Hopkins	Hopkins El	3	1	3	0	0	397
Hopkins	Hopkins HS	1	0	1	0	0	522
Hopkins	Hopkins MS	39	33	35	4	0	369
Hopkins	Sycamore El	9	0	9	0	0	251
Martin	Brandon El	0	0	0	0	0	288
Martin	Martin HS	1	0	0	1	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 11/8/2021. **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	1	0	1	0	0	687
Otsego	Otsego MS	1	0	1	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	2	0	2	0	0	378
Plainwell	Plainwell HS	6	0	6	0	0	834
Plainwell	Renaissance HS	0	0	0	0	0	61
Plainwell	Starr El	65	0	65	0	0	452
Plainwell	Plainwell MS	0	0	0	0	0	645
Saugatuck	Douglas El	35	35	28	7	16	345
Saugatuck	Saugatuck HS	3	0	3	0	0	264
Saugatuck	Saugatuck MS	6	6	4	2	0	206
Wayland	Baker El	0	0	0	0	0	318
Wayland	Dorr El	16	15	16	0	6	396
Wayland	Pine St. El	10	10	6	4	6	405
Wayland	Steeby El	10	10	10	0	1	241
Wayland	Wayland HS	7	7	6	1	0	825
Wayland	Wayland MS	88	88	82	6	1	684
Non-Public	East Martin	0	0	0	0	0	
Non-Public	Moline Christian	0	0	0	0	0	
Non-Public	St. Margaret's	20	14	19	1	0	
Non-Public	St. Mary's	7	4	6	1	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 11/8/2021. **Note: this is not an aggregate number.**

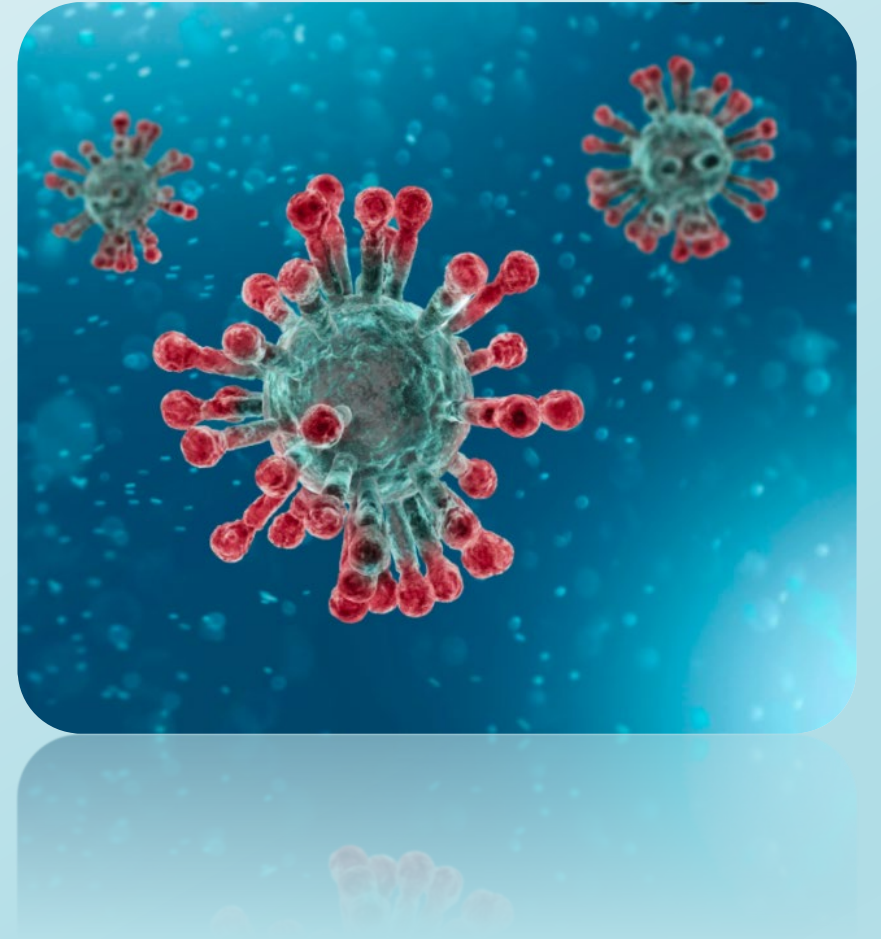
*Source: ACHD School SharePoint Site*

### 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.

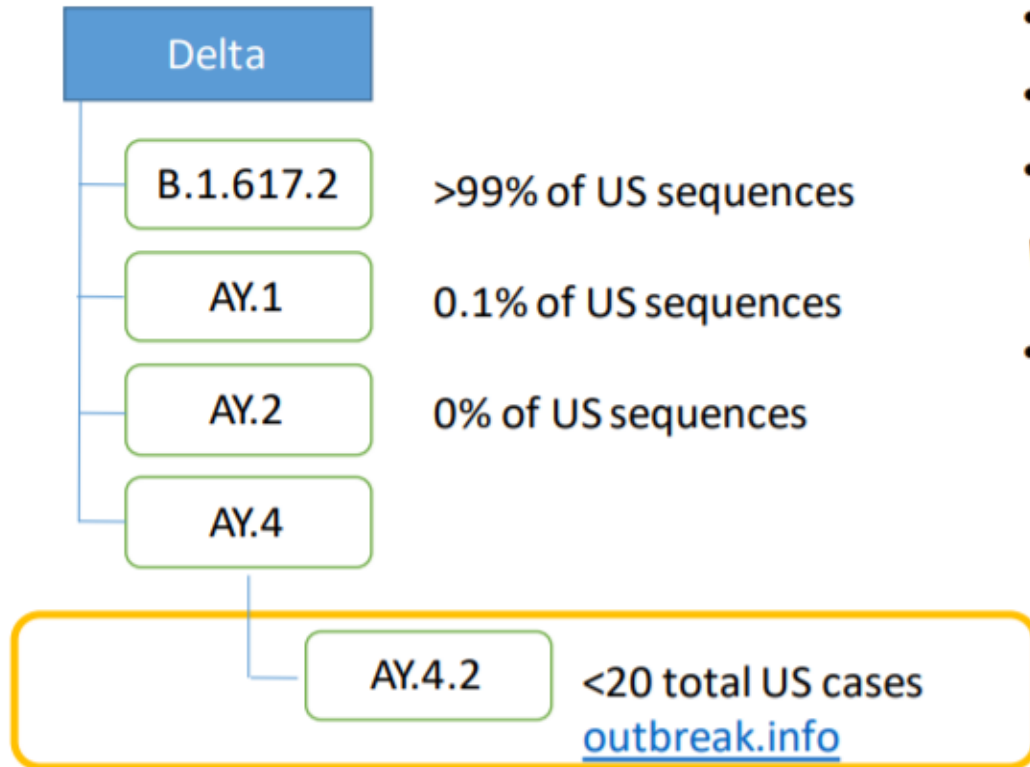


# Science Round Up: School Related Data



# New Delta variant

## US Variant Statistics (CDC):



## What we know:

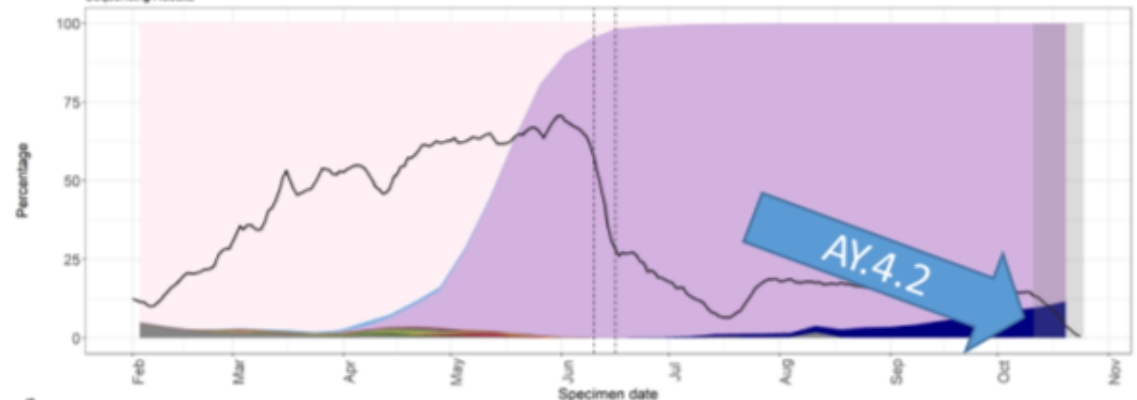
- AY.4.2 has Delta mutations plus additional changes
- Increasing in UK (19% faster than other variants)
- No concerns identified for vaccine effectiveness
- No increased severity in UK (medical visits or hospitalization)

## What we don't yet know:

- Clinical relevance (Is this different from other Delta infections?)

## UK Data showing slow increases in AY.4.2 (~10%):

Figure 7. Variant prevalence for all England available sequenced cases from 1 February 2021 as of 25 October 2021 (excluding 245 case where the specimen date was unknown)

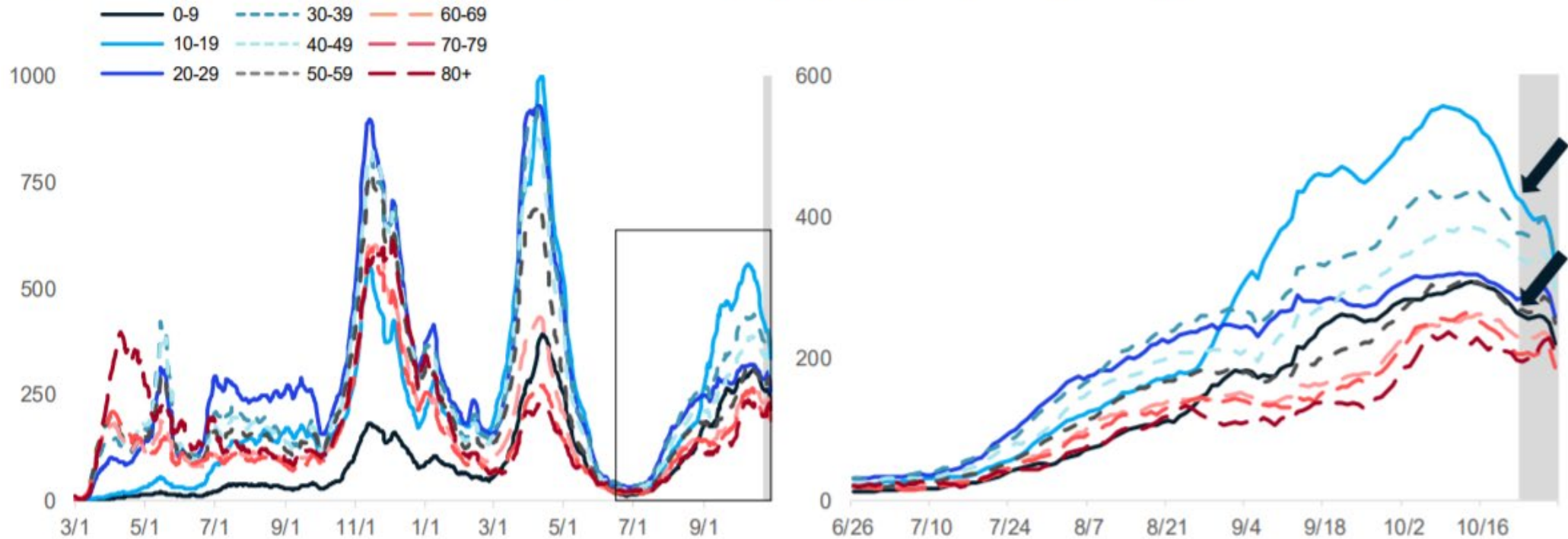


<https://covid.cdc.gov/covid-data-tracker/#variant-proportions>  
UK Health Security Agency Technical Report 27

# Update: Michigan Trends, as of November 2, 2021

## Case Rate Trends by Age Group

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

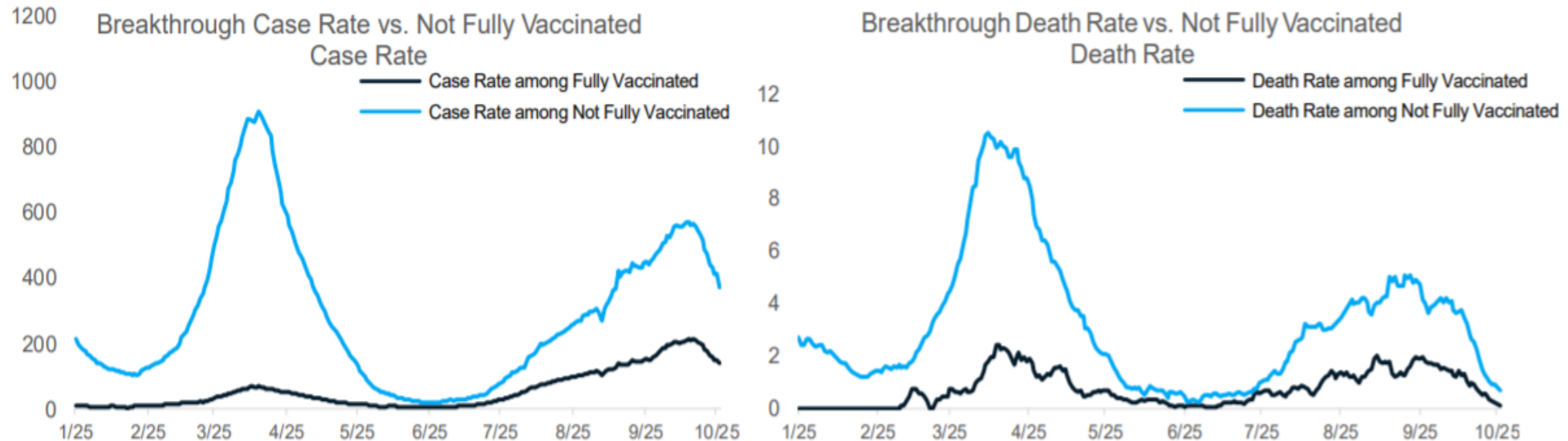


- Case rate trends for all age groups are currently decreasing or plateaued
- Case rates for all age groups are between 178 and 410 cases per million (through 10/25)
- Case rates remain highest for **10-19-year-olds**

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

# Update: Michigan Breakthrough Cases and Deaths, as of November 2, 2021

## COVID-19 Vaccination Breakthrough Cases and Deaths



- Trends over time show that both case and death rates among the Fully Vaccinated are lower than the Not Fully vaccinated rates in Michigan
- The *proportion* of breakthrough cases and deaths among all cases and deaths has shown some increases as more people become fully vaccinated
  - However, the risk of infection and death remains significantly lower among the fully vaccinated

# Mitigation Strategies for Schools

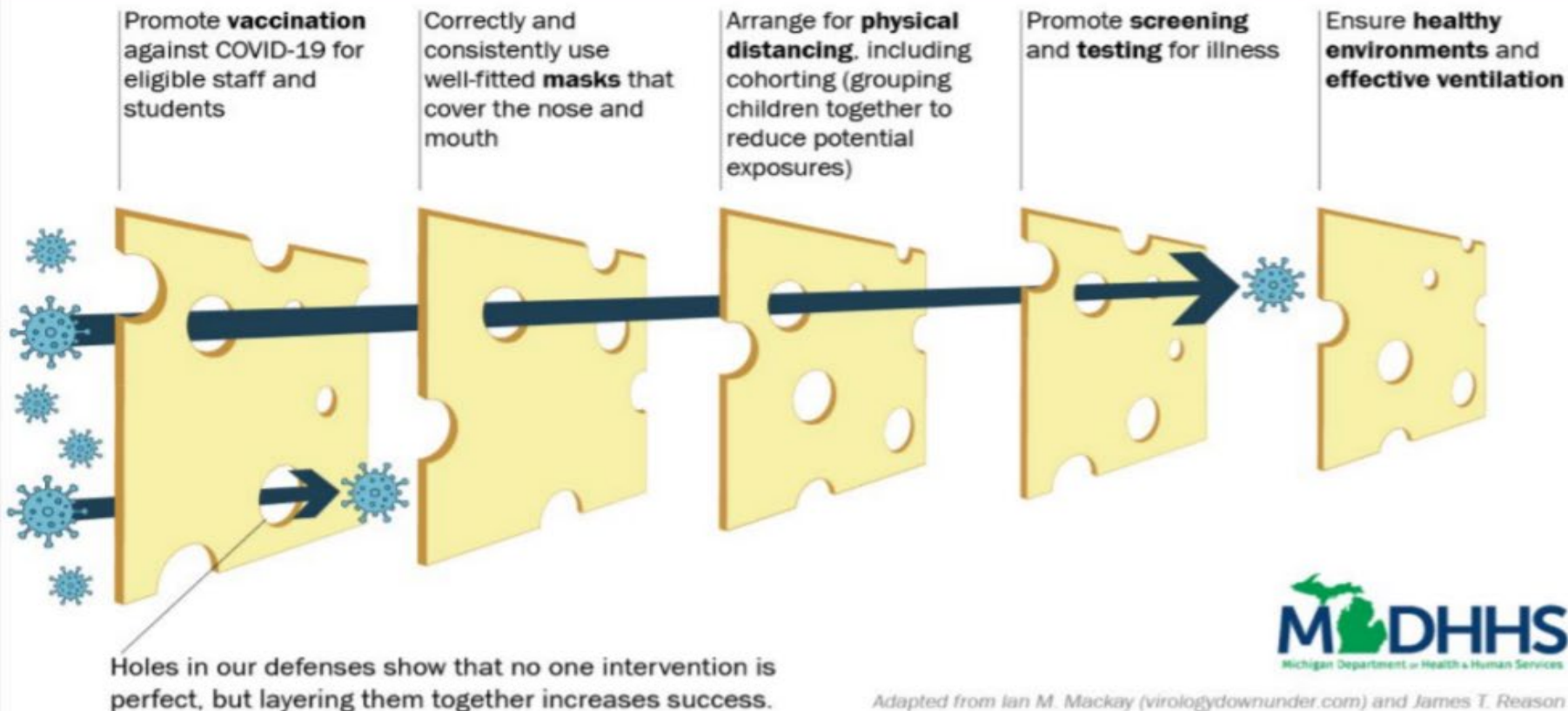
## Layers of Defense Against COVID-19 in Schools

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

# Questions on the School Reports?

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