

ACHD COVID-19 School Update

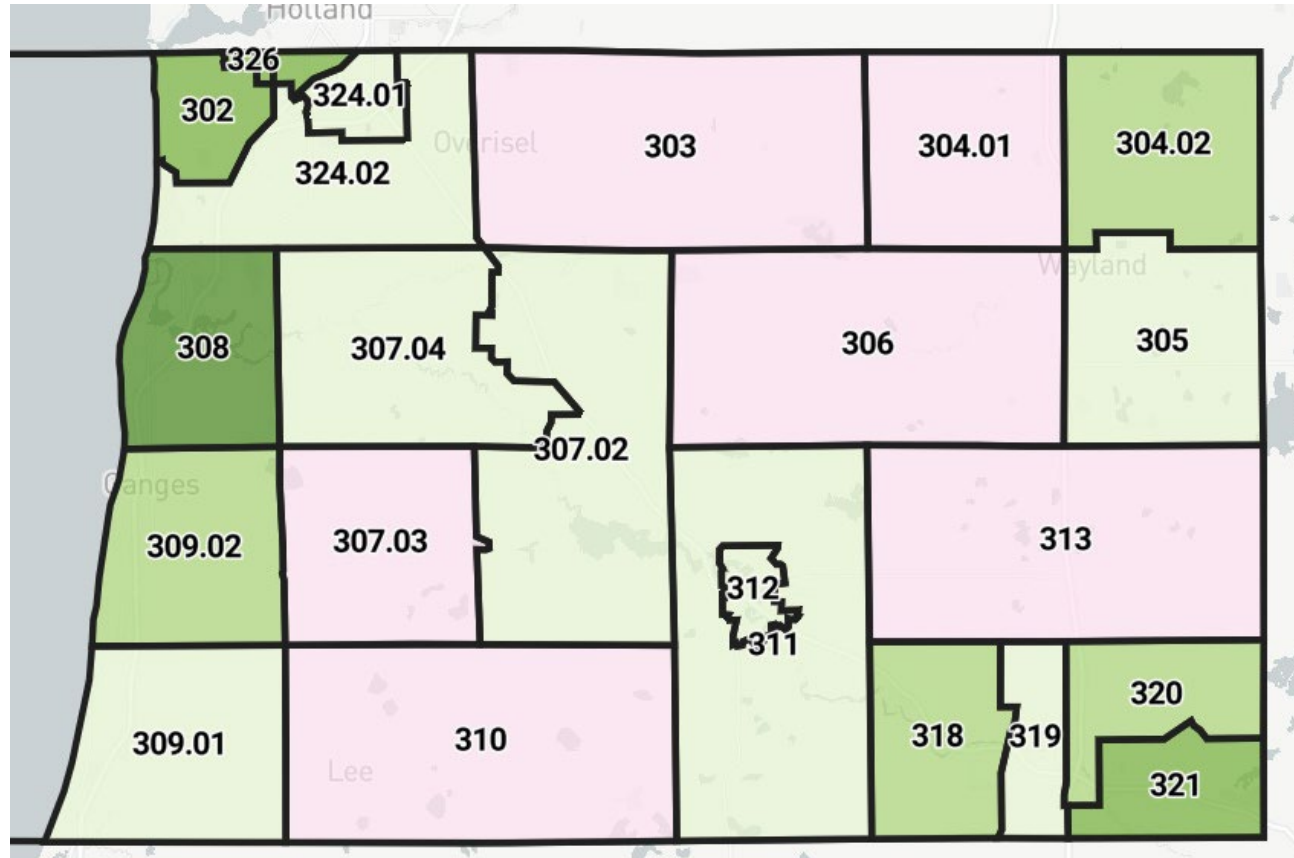
2021-2022 School Year

October 26, 2021 Update

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 October 25, 2021

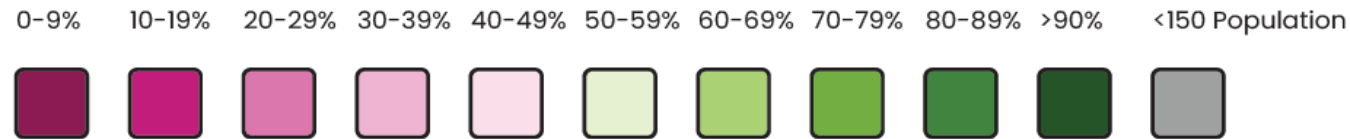


Allegan County Percentage Fully Vaccinated All Ages: 48.3% (55,700/115,250)

Percent Breakthrough, All Ages: 0.95% (516/54,395)

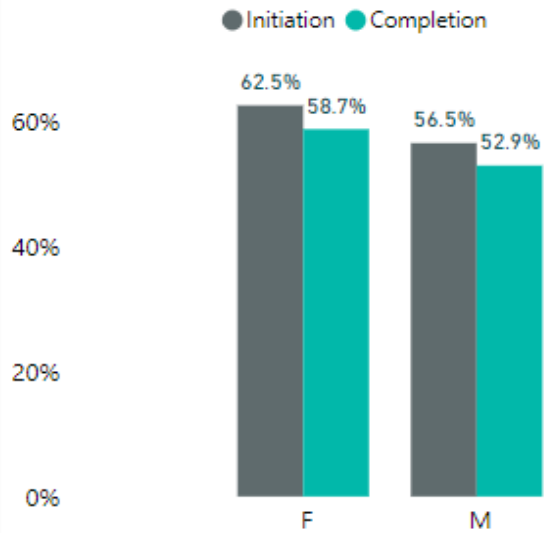
- Data as of 10/12/21
- Breakthrough case: a confirmed COVID-19 case in a fully-vaccinated individual

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

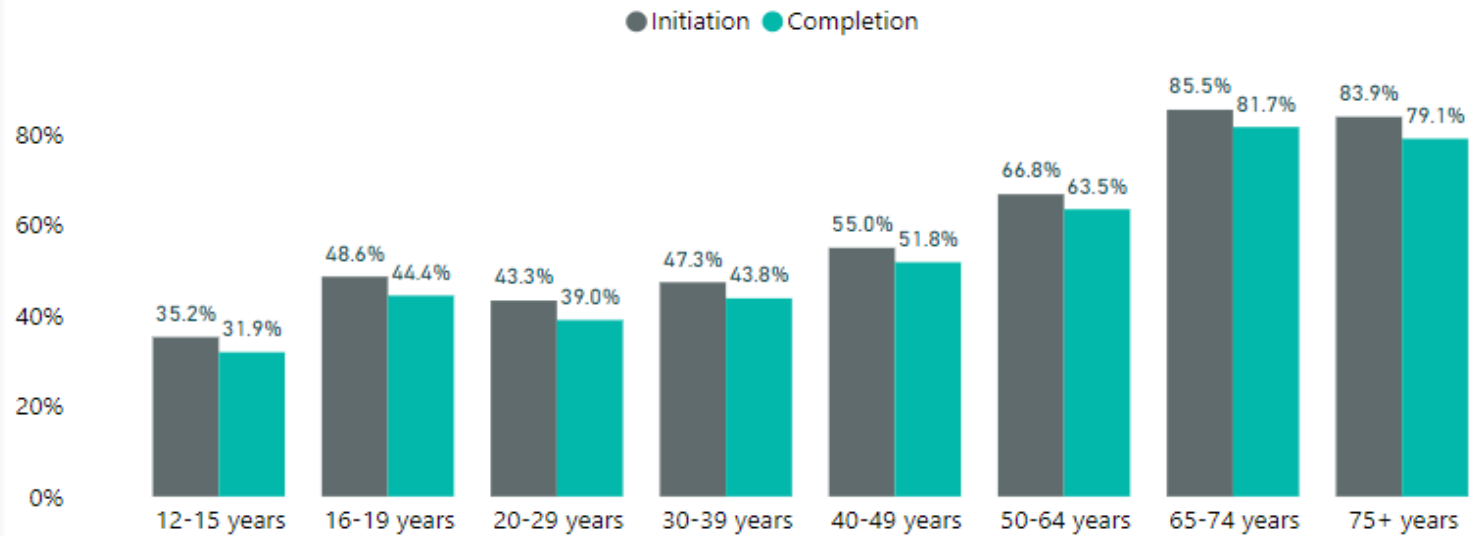


Allegan Vaccination Rates by Age, As of October 22, 2021

COVID Vaccine Coverage by Sex



COVID Vaccine Coverage by Age Group



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.

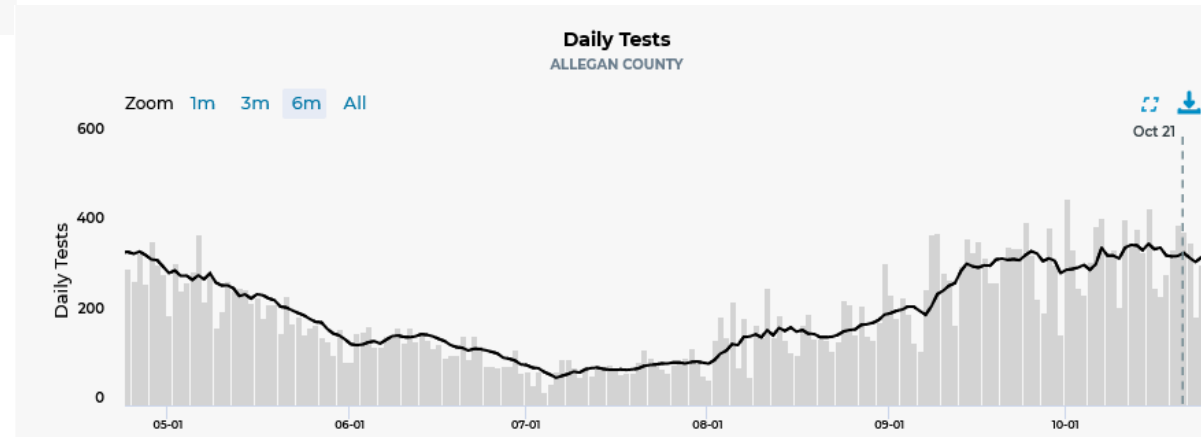
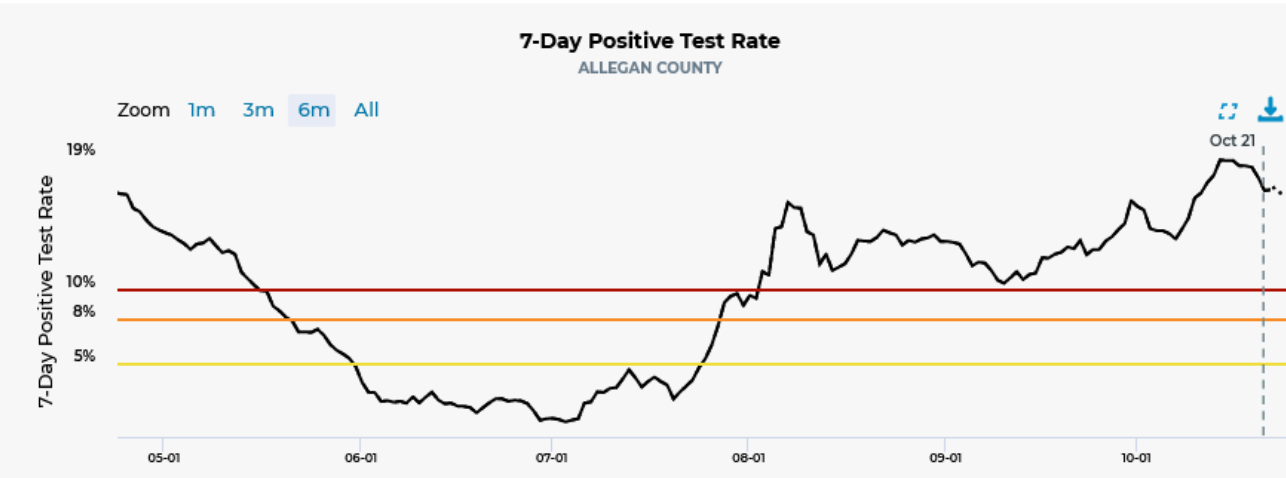
Alleghan County Testing Trends All Ages, As of October 21, 2021

Test Positivity
Oct 15 - Oct 21

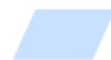
16.8%
positive tests

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%

Source: [MI Safe Start Map](#)

Allegran County Case Trends All Ages, As of October 21, 2021

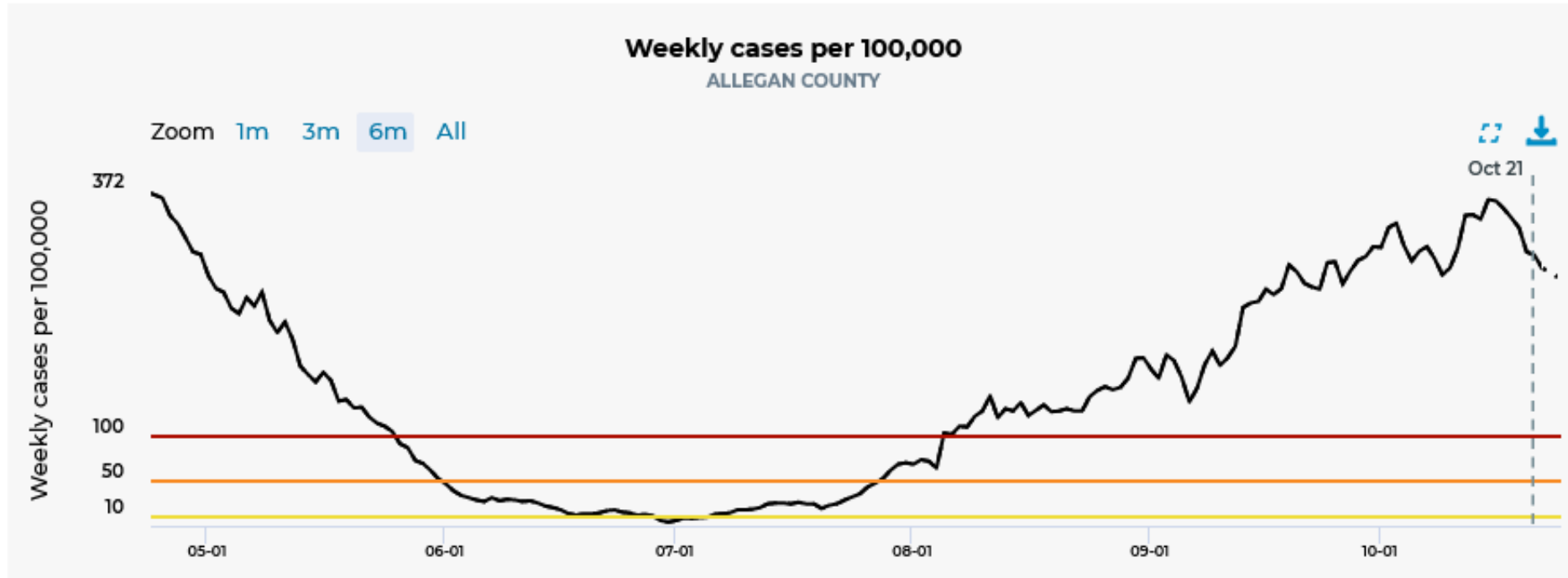


New Cases

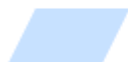
Oct 15 - Oct 21

301.5
weekly cases per
100,000 population

356
weekly cases



Risk Thresholds (Cases per 100,000)



Low: <10



Moderate 10-49



Substantial 50-99



High \geq 100

Source: [MI Safe Start Map](#)

Allegan County Case Trends School Age (3-17): March, 2020 through October 22, 2021

As of March 2020,
15.4 % were asymptomatic cases (no symptoms but tested positive for COVID-19)

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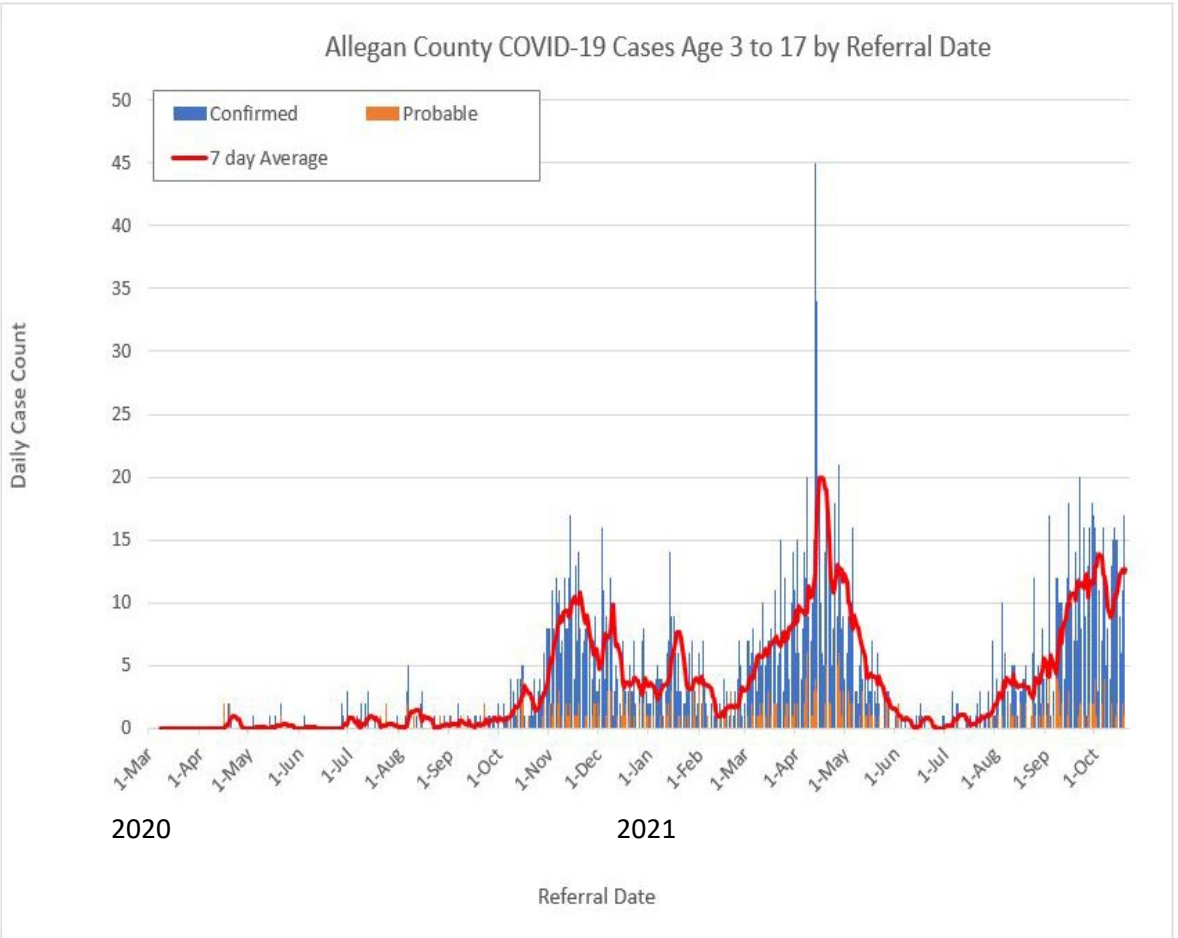
Number of Cases reported since March 2020

2189

	<u>Count</u>	<u>% **</u>
In quarantine at time of onset/positive test	741	33.9%
Associated with known cluster/outbreak	43	2.0%
Any contact (HC, Comm, HH) to confirmed case	1060	48.4%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	277	12.7%
Household Contact to confirmed case	812	37.1%
Attended Community Event/Mass Gathering	82	3.7%
Any Travel (international, domestic, in state)	142	6.5%
Source of infection is unknown	701	32.0%

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

Total Cases March 2020 to October 22, 2021: 2,189



**Allegan County Breakdown of Total COVID-19 Cases
by School Age (3-17) , From March 1, 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%		
<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	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%		
<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	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.				

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

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10/22/21

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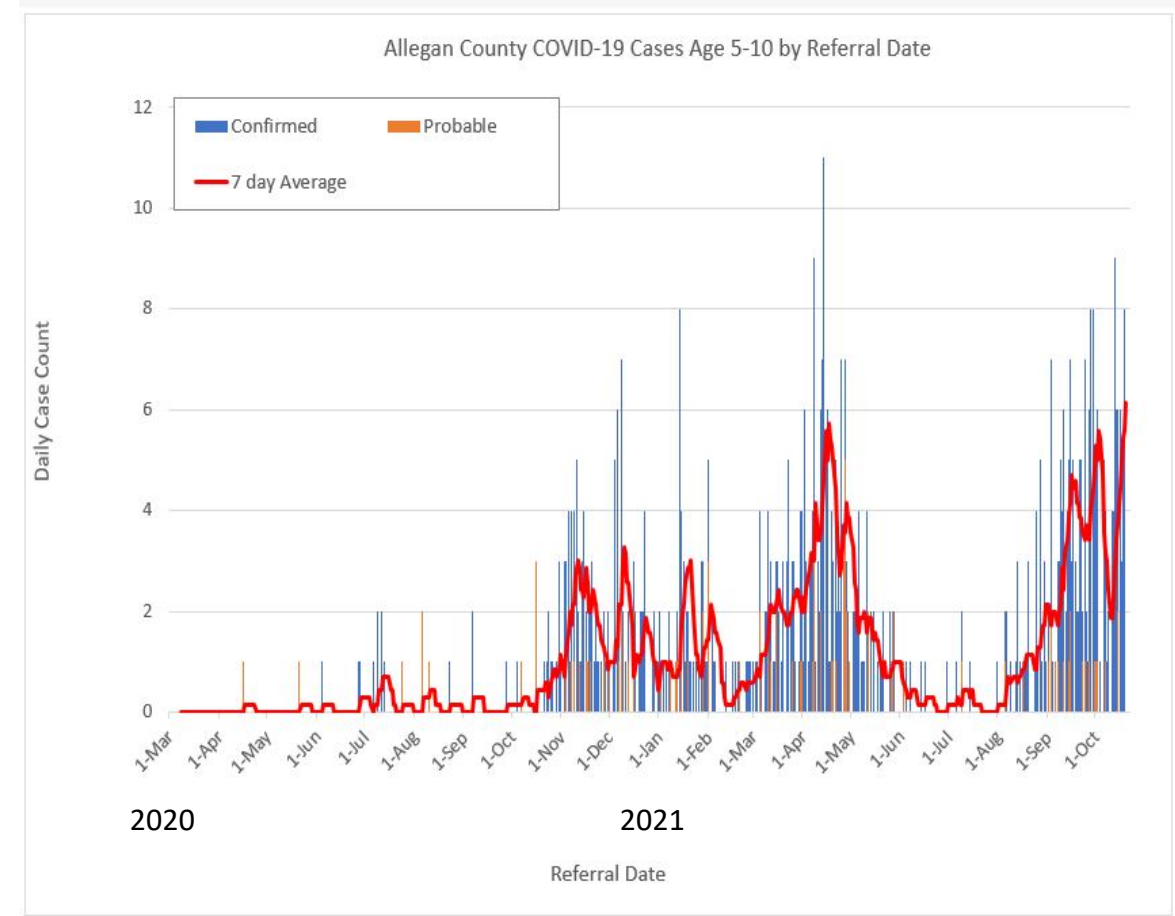
Number of Cases reported in past two weeks

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



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

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10/22/21

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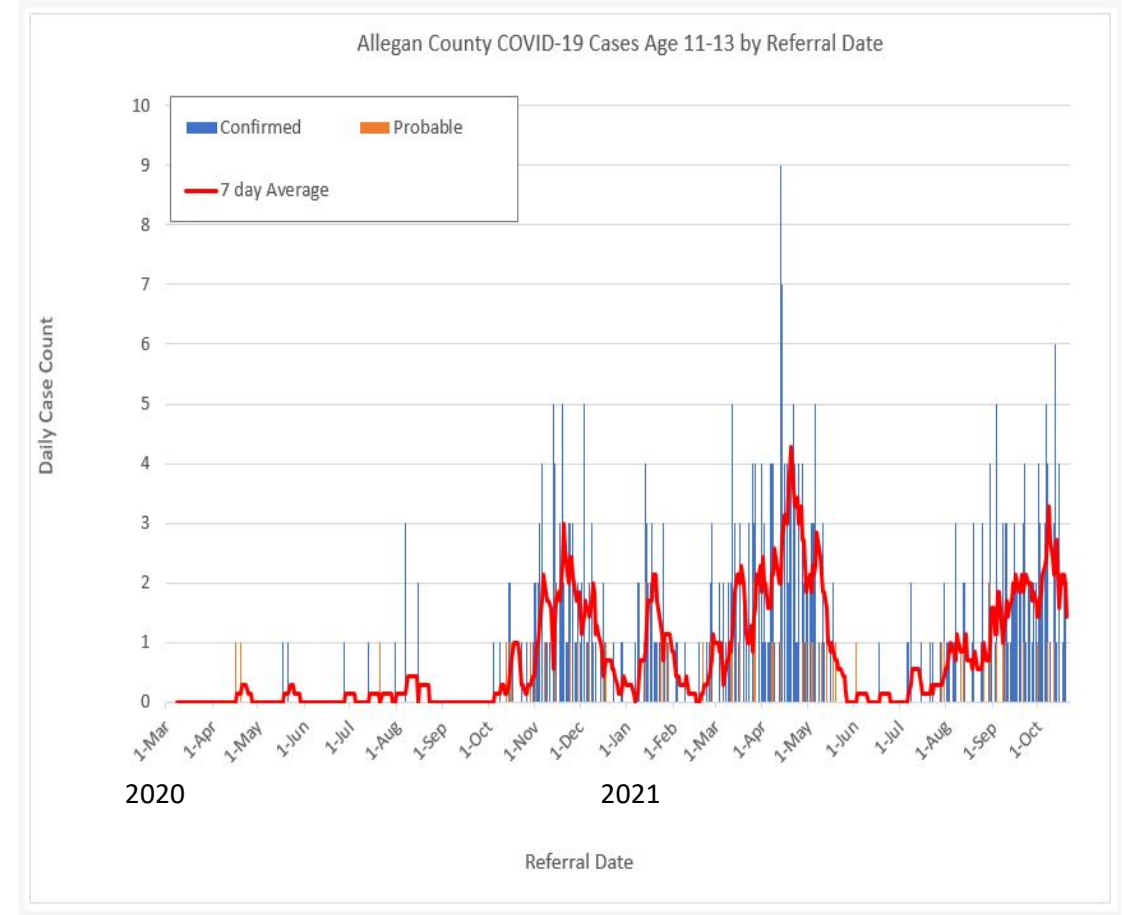
Number of Cases reported in past two weeks

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



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)

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

For this section to auto-calculate,

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10/22/21

mm/dd/yy

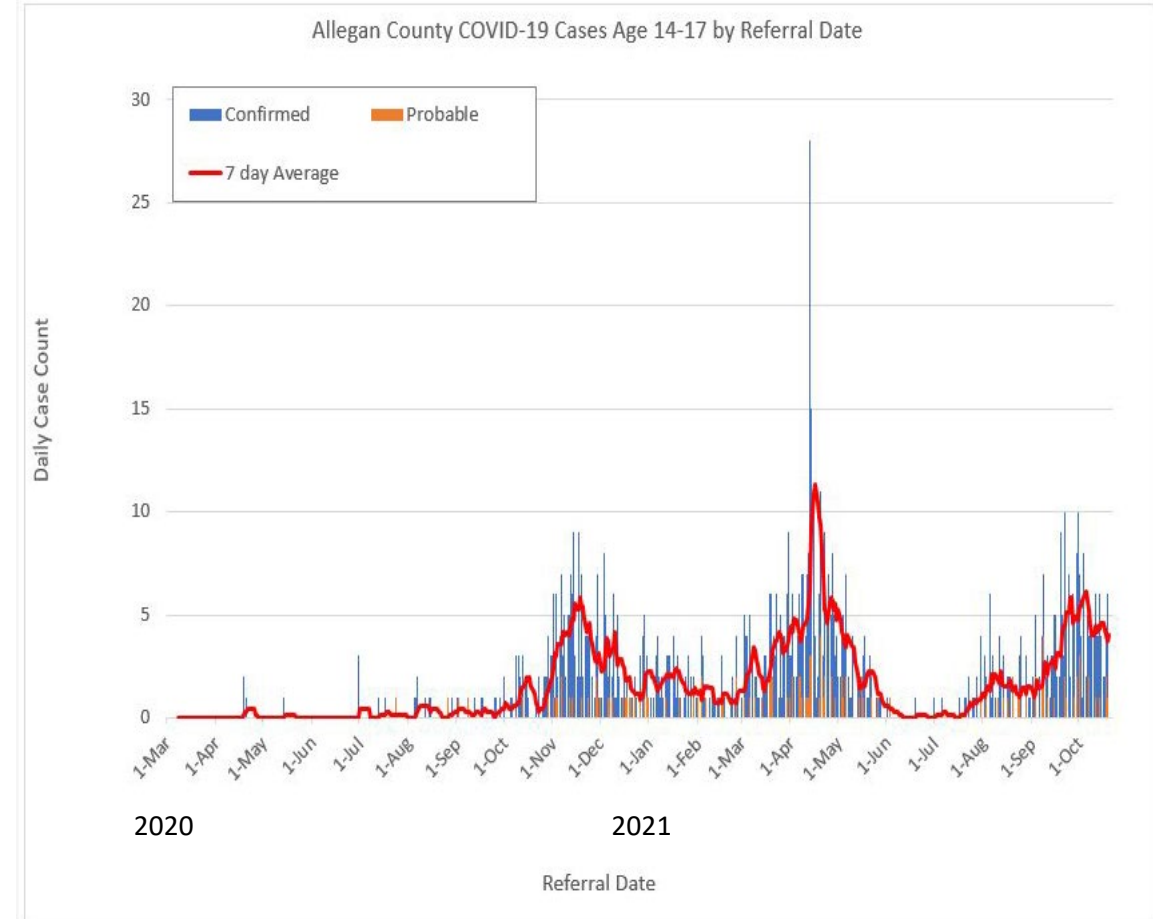
Number of Cases reported in past two weeks

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%

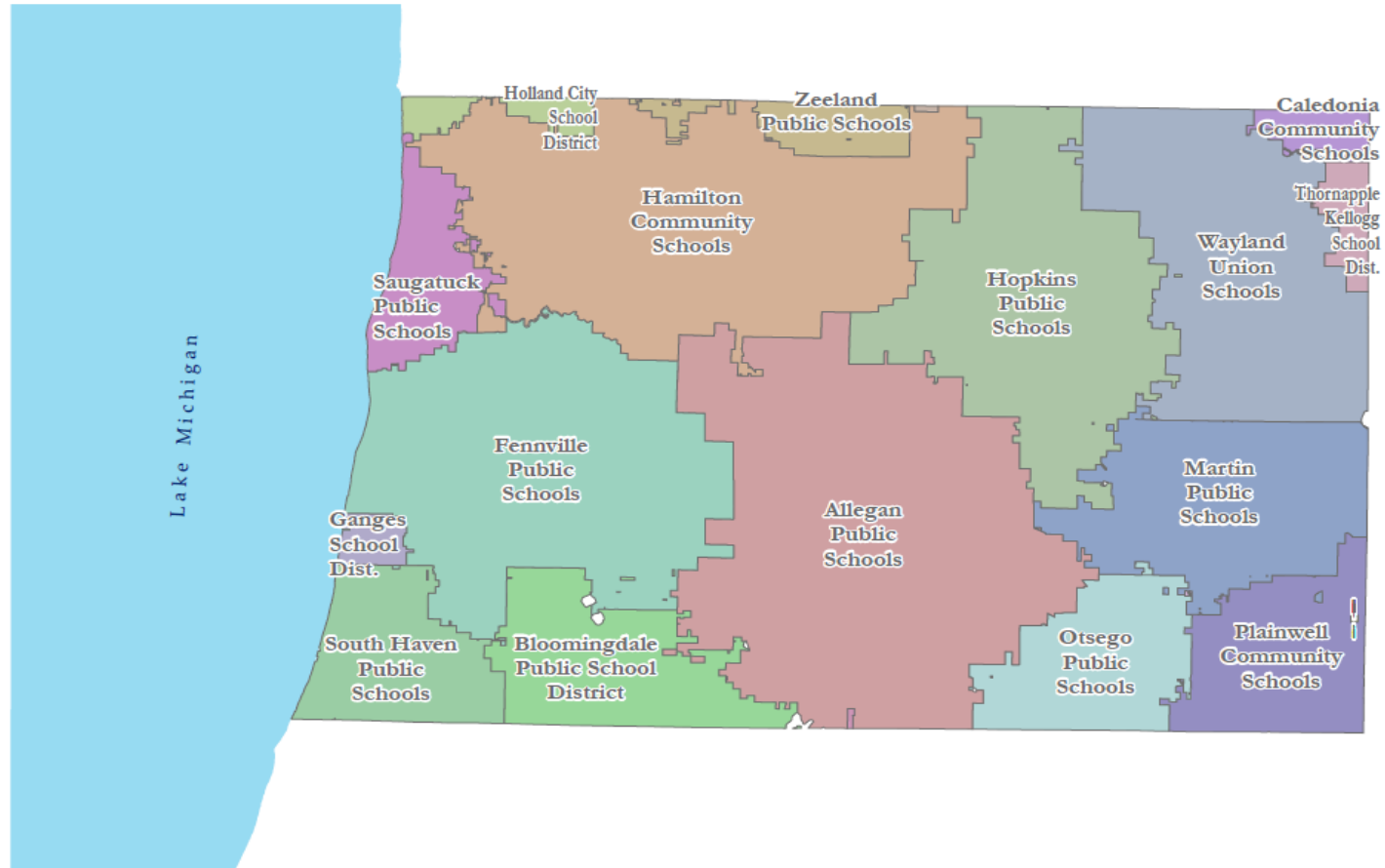
** Denominator is the number of cases reported in past two weeks

Total Cases March 2020 to October 22, 2021: 964



Map for Cases by School District: Data from 10/09/2021 to 10/22/21

Allegan County School Districts



Total Cases
(10/09/21 to 10/22/21)

Ages 5 to 10: 60

Ages 11 to 13: 24

Ages 14 to 17: 62

*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.

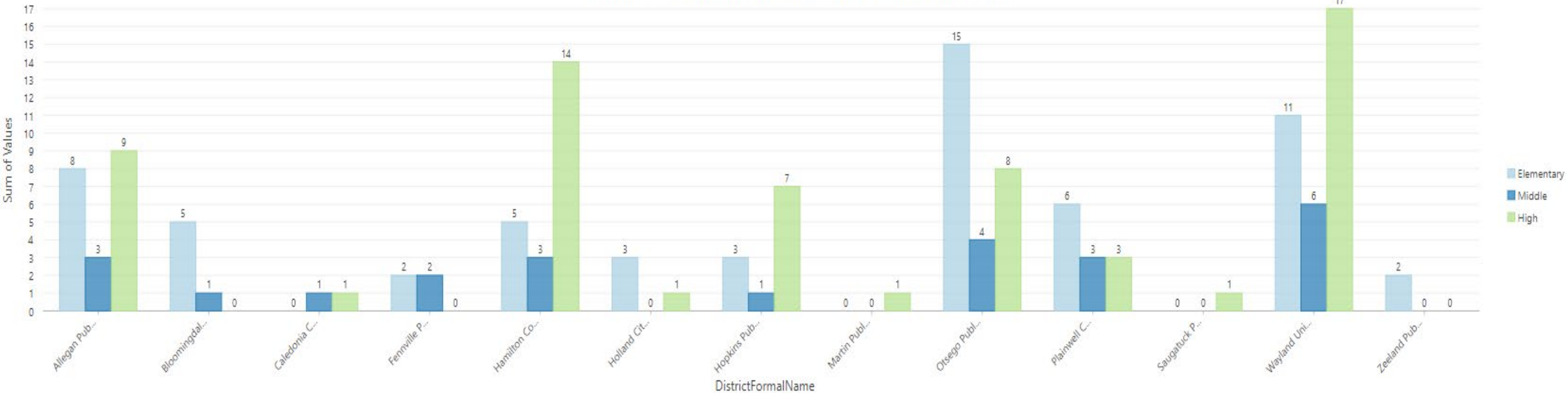
Chart for Cases by School District: Data from 10/09/2021 to 10/22/21

Total Elementary Cases: 60

Total Middle School Cases: 24

Total High School Cases: 62

Comparison of sum Elementary, Middle, High by DistrictFormalName



*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.

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	7	6	6	1	0	638
AAESA	Hillside	0	0	0	0	0	124
Allegan	Allegan HS	94	89	63	31	1	581
Allegan	Dawson El	0	0	0	0	0	284
Allegan	LE White MS	48	48	41	7	12	492
Allegan	Pine Trails El	3	2	2	1	0	347
Allegan	West Ward El	3	0	3	0	0	234
Fennville	Fennville El	5	0	5	0	0	551
Fennville	Fennville MS	5	5	2	3	0	310
Fennville	Fennville HS	0	0	0	0	0	421
Glenn	Glenn	0	0	0	0	0	33
Hamilton	Bentheim El	2	0	2	0	0	234
Hamilton	Blue Star El	0	0	0	0	0	233
Hamilton	Hamilton El	0	0	0	0	0	356
Hamilton	Hamilton HS	0	0	0	0	0	798
Hamilton	Hamilton MS	0	0	0	0	0	821
Hamilton	Sandyview El	0	0	0	0	0	98
Hopkins	Hopkins El	13	13	13	0	0	397
Hopkins	Hopkins HS	4	0	4	0	0	522
Hopkins	Hopkins MS	8	0	8	0	0	369
Hopkins	Sycamore El	1	0	1	0	0	251
Martin	Brandon El	0	0	0	0	0	288
Martin	Martin HS	0	0	0	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 10/25/2021. **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	1	0	1	0	0	310
Otsego	Otsego HS	1	0	1	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	4	3	4	0	0	378
Plainwell	Plainwell HS	0	0	0	0	0	834
Plainwell	Renaissance HS	0	0	0	0	0	61
Plainwell	Starr El	11	10	11	0	0	452
Plainwell	Plainwell MS	0	0	0	0	0	645
Saugatuck	Douglas El	0	0	0	0	0	345
Saugatuck	Saugatuck HS	1	0	0	1	0	264
Saugatuck	Saugatuck MS	0	0	0	0	0	206
Wayland	Baker El	24	24	24	0	0	318
Wayland	Dorr El	51	50	45	6	35	396
Wayland	Pine St. El	10	10	10	0	1	405
Wayland	Steeby El	0	0	0	0	0	241
Wayland	Wayland HS	71	69	54	17	1	825
Wayland	Wayland MS	22	22	18	4	0	684
Non-Public	East Martin	0	0	0	0	0	
Non-Public	Moline Christian	0	0	0	0	0	
Non-Public	St. Margaret's	0	0	0	0	0	
Non-Public	St. Mary's	3	0	3	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	

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Science Round Up: School Related Data

Mitigation Strategies for Schools

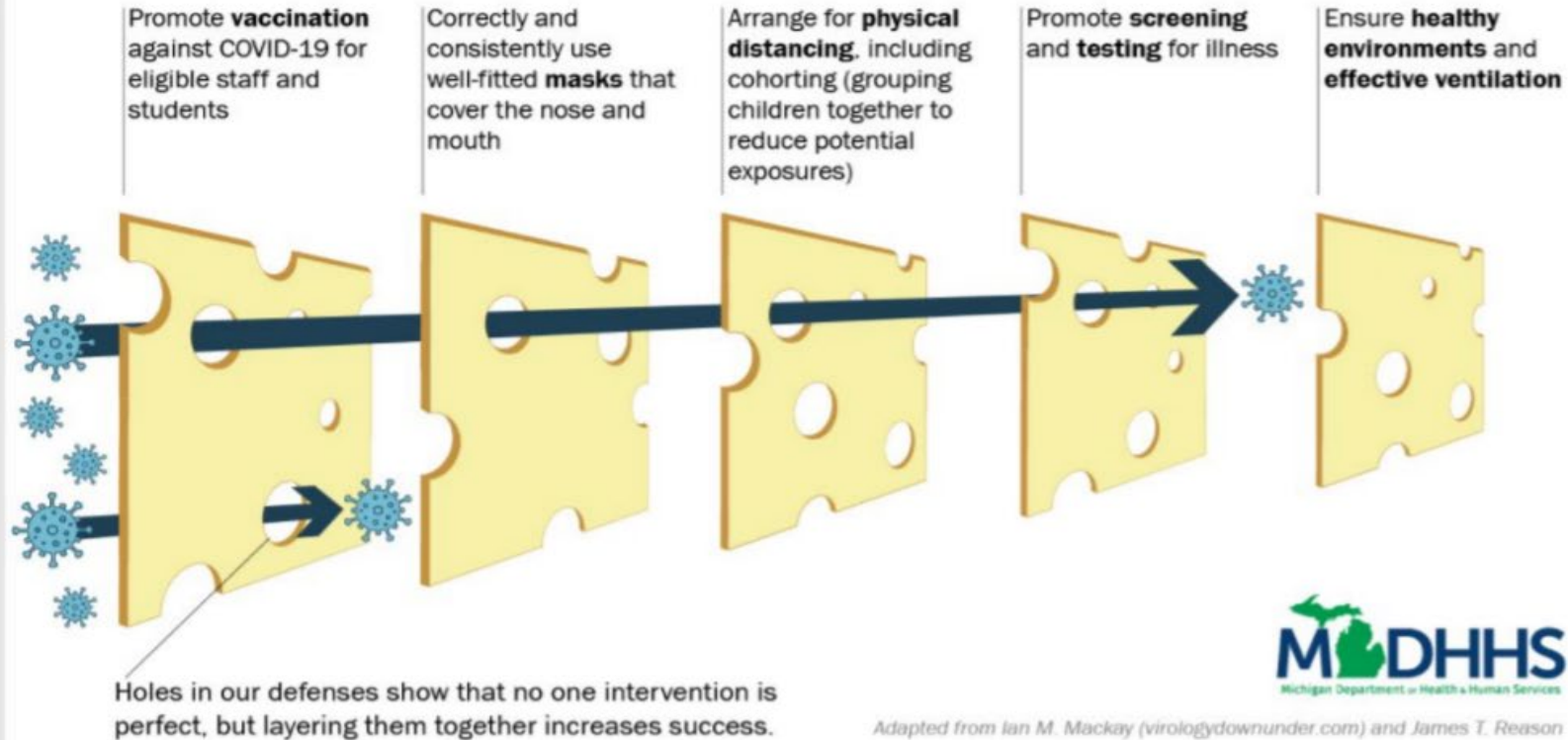
Layers of Defense Against COVID-19 in Schools

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.

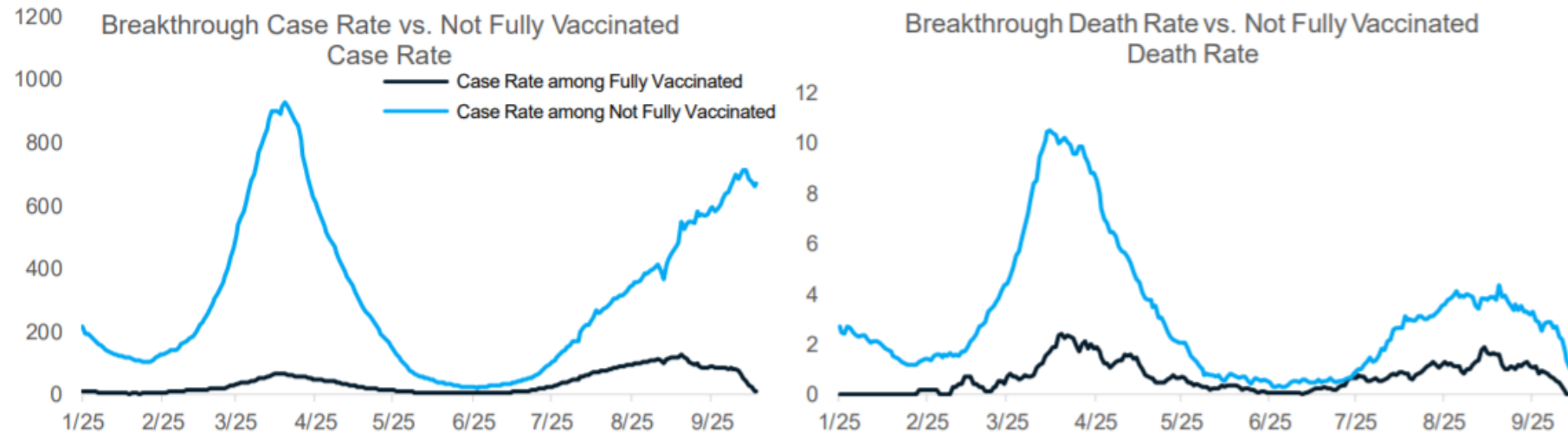


As the vaccination rate within a building or facility increases, fewer holes will appear in the defenses.



Update: Michigan Breakthrough Cases, as of October 19, 2021

COVID-19 Vaccination Breakthrough Cases and Deaths



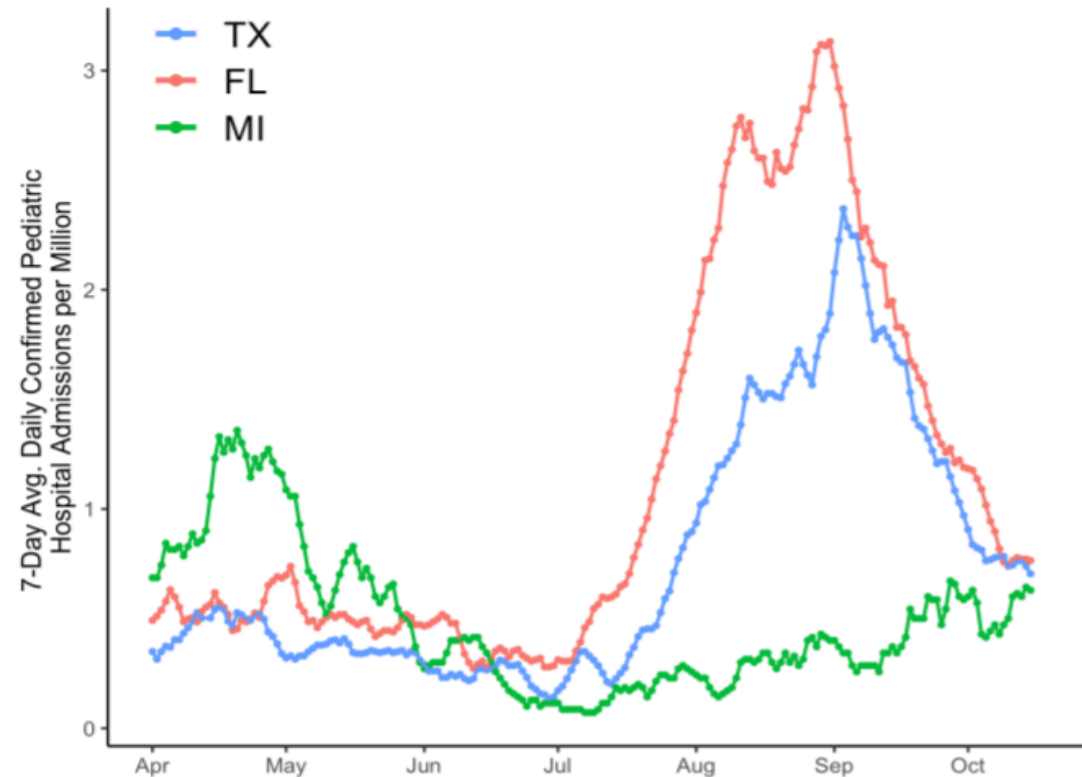
- Trends over time show that both case and death rates among the Fully Vaccinated are lower than the Not Fully vaccinated rates in Michigan
- The *proportion* of breakthrough cases and deaths among all cases and deaths has shown some increases as more people become fully vaccinated
 - However, the risk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

Pediatric Hospital Admissions, as of October 19, 2021

Other states experienced a sharp increase in pediatric hospital admissions during the recent surge

- States across the southern US saw extremely rapid and concerning surges in pediatric hospital admission rates
- Highest pediatric COVID-19 hospitalization rate seen so far in the pandemic for many areas
- Many of these areas are now declining (still higher than current MI levels though)
- Michigan is experiencing a delayed surge—potential for similar increases in Michigan as cases (and subsequently hospital admissions) rise

Source: CDC [COVID Data Tracker](#) confirmed pediatric hospital admissions



Questions on the School Reports?

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