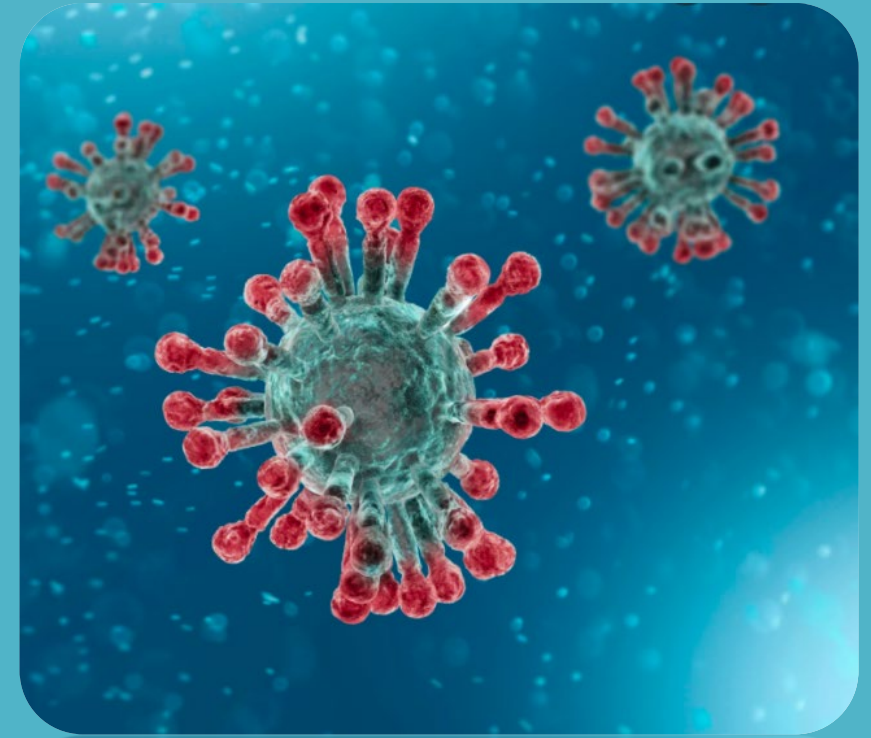




HEALTH
Department

ACHD COVID-19 School Update

2021-2022 School Year
January 11, 2022 Update





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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.

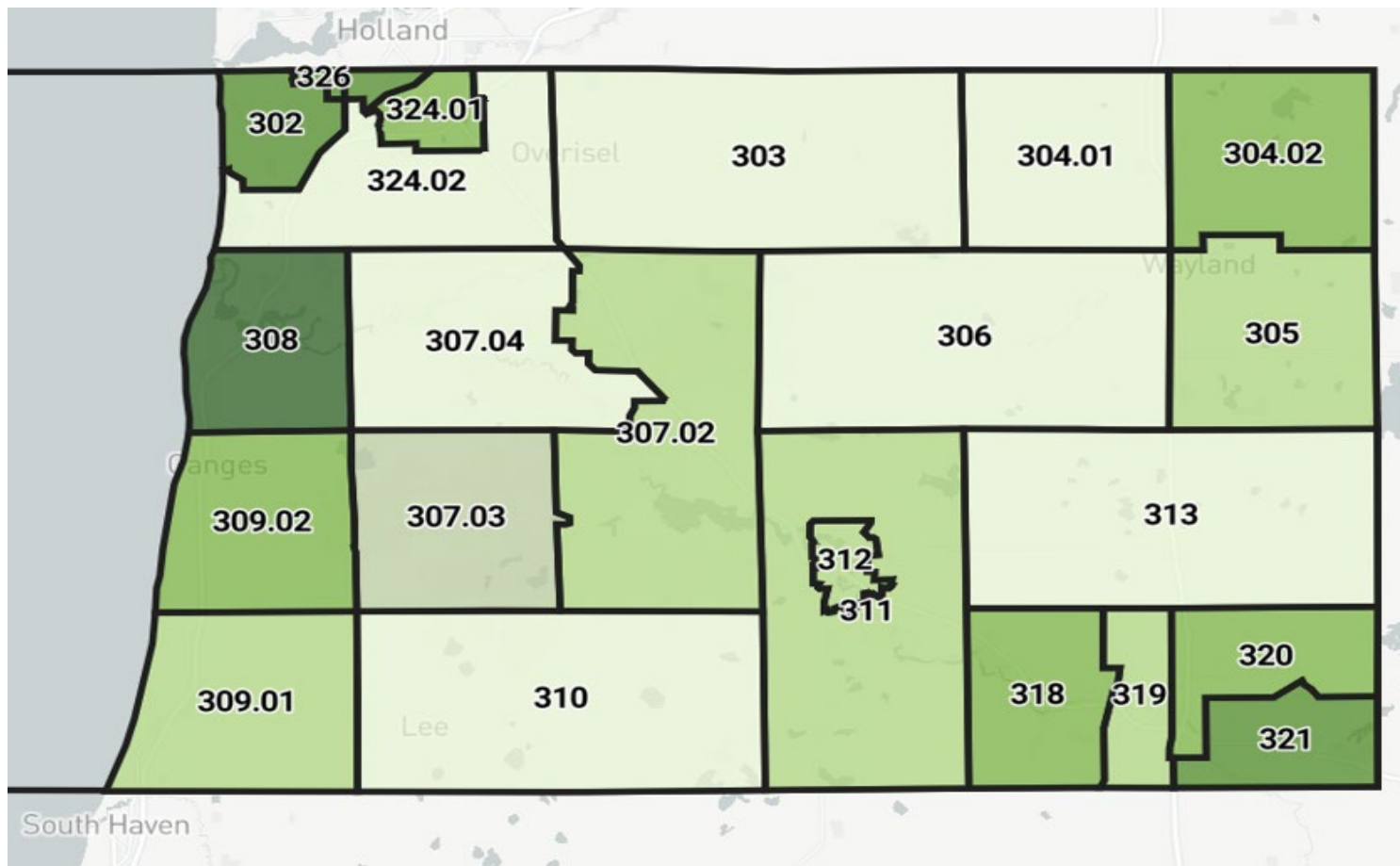
This report will be published under the “Schools” resource section on www.allegancounty.org/covid

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 January 08, 2022

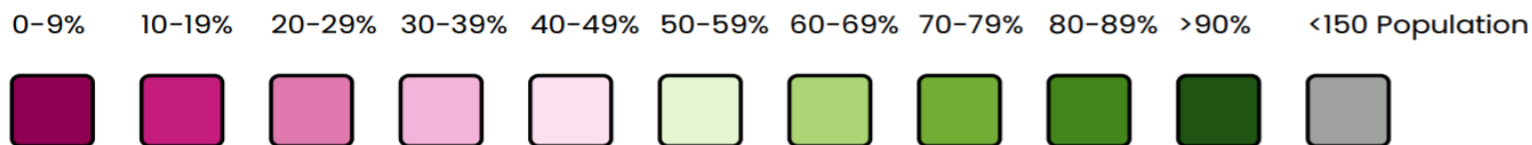


Allegan County Percentage Fully Vaccinated All Ages: 50.9% (58,701/115,250)

Percent Breakthrough, All Ages: 3.09% (2,007/64,963)

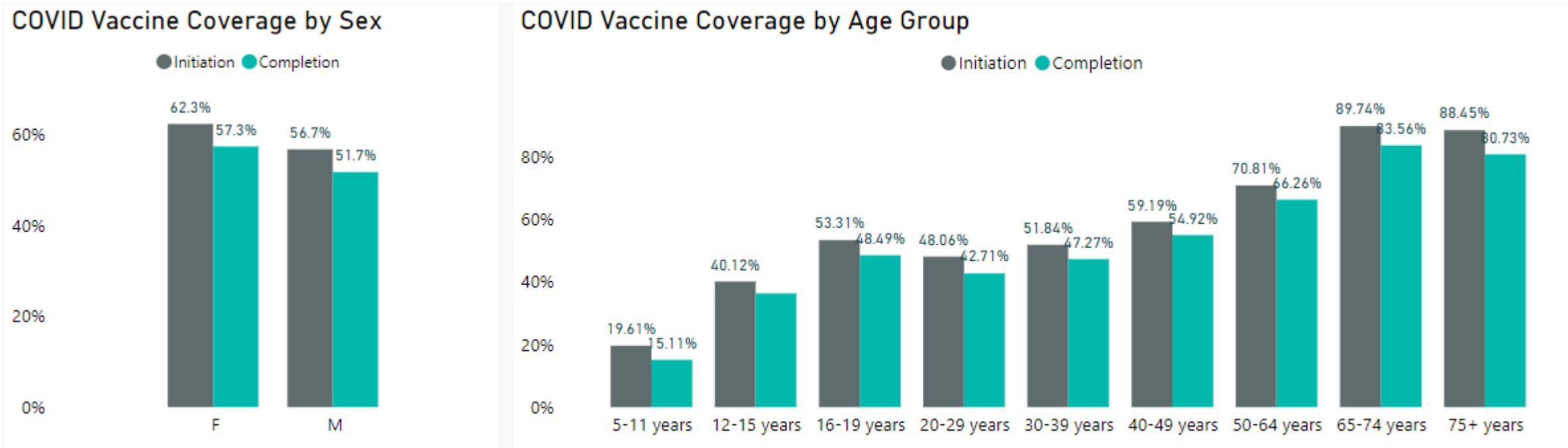
- Percent Breakthrough All Ages Data as of 12/3/2021
- Breakthrough case: a confirmed COVID-19 case in a fully-vaccinated individual

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





Allegan County Vaccination by Gender and Age Group, As of January 06, 2022



Age 5-11
 Initiated: 2,164: 19.6%
 Completed: 1,668: 15.1%

Age 12-15
 Initiated: 2,700: 40.1 %
 Completed: 2,443: 36.3%

Age 16-19
 Initiated: 3,079: 53.3%
 Completed: 2,801 48.5%

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](#)



Allegan County Testing Trends All Ages, As of January 06, 2022

Test Positivity
Dec 31 - Jan 06

28.7%
positive tests

3.4k
daily tests
administered
per million

2 weeks
Dec 17 - Dec 31

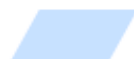
7-Day Positive Test Rate

ALLEGAN COUNTY

Zoom 1m 3m 6m All



Risk Thresholds (% Positive)



Low: <5%



Moderate 5-<8%



Substantial 8-<10%



High >=10%

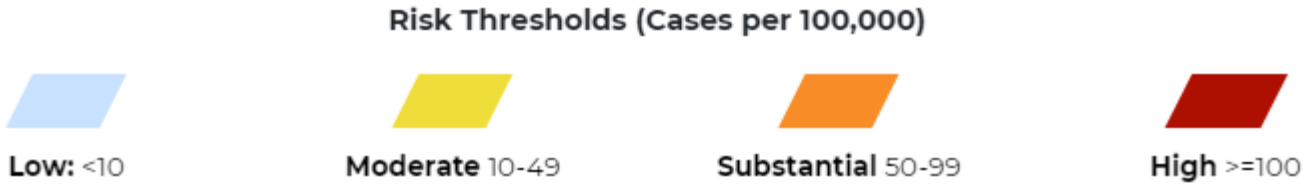
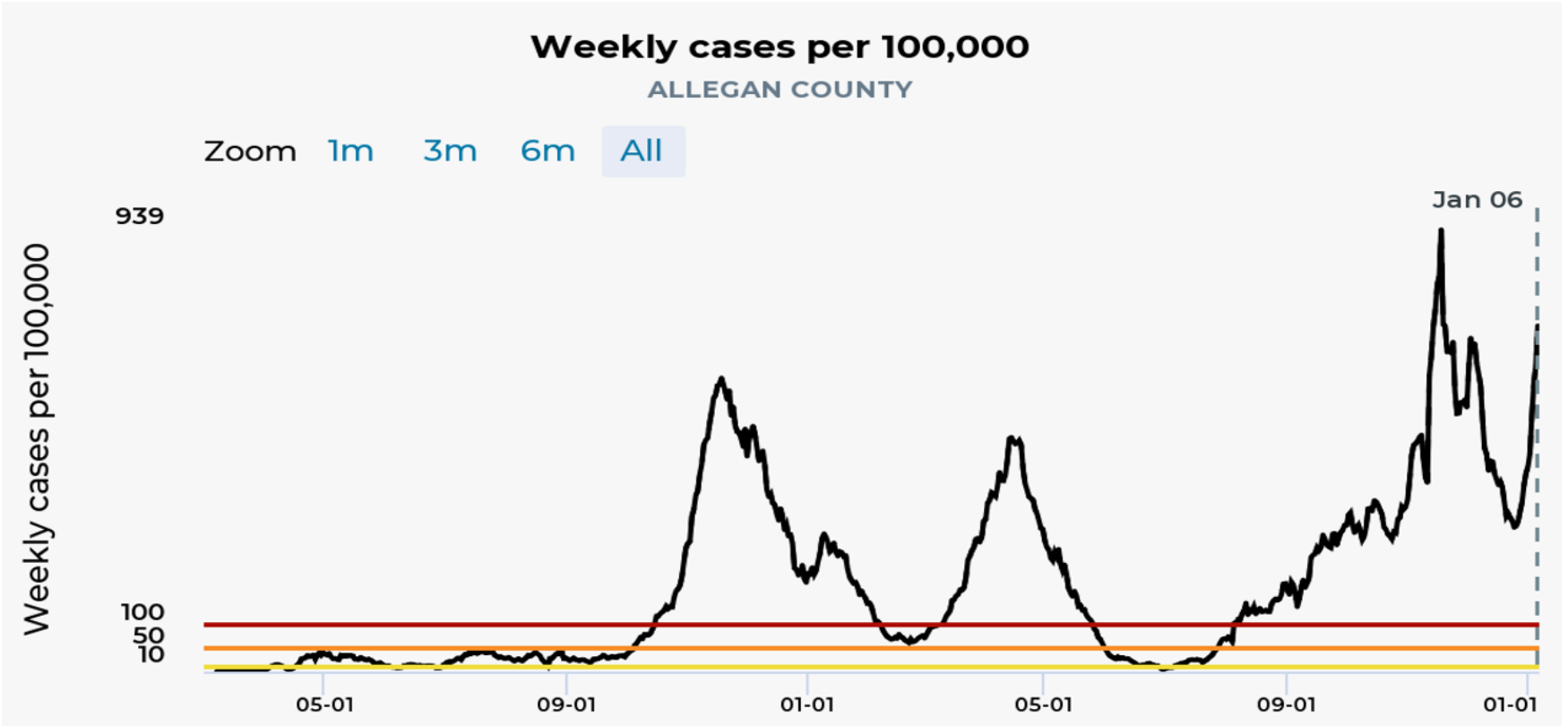


Allegan County Case Trends All Ages, As of January 06, 2022

✓ **New Cases**
 Dec 31 - Jan 06

735.1
 weekly cases per 100,000 population

868
 weekly cases



Source: [MI Safe Start Map](#)



Allegan County Case Trends School Ages 3 to 17

March 2020 through January 07, 2022

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

Total Cases : 3,384

Data from 3/1/2020 to 01/07/2022

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

03/01/20
mm/dd/yy

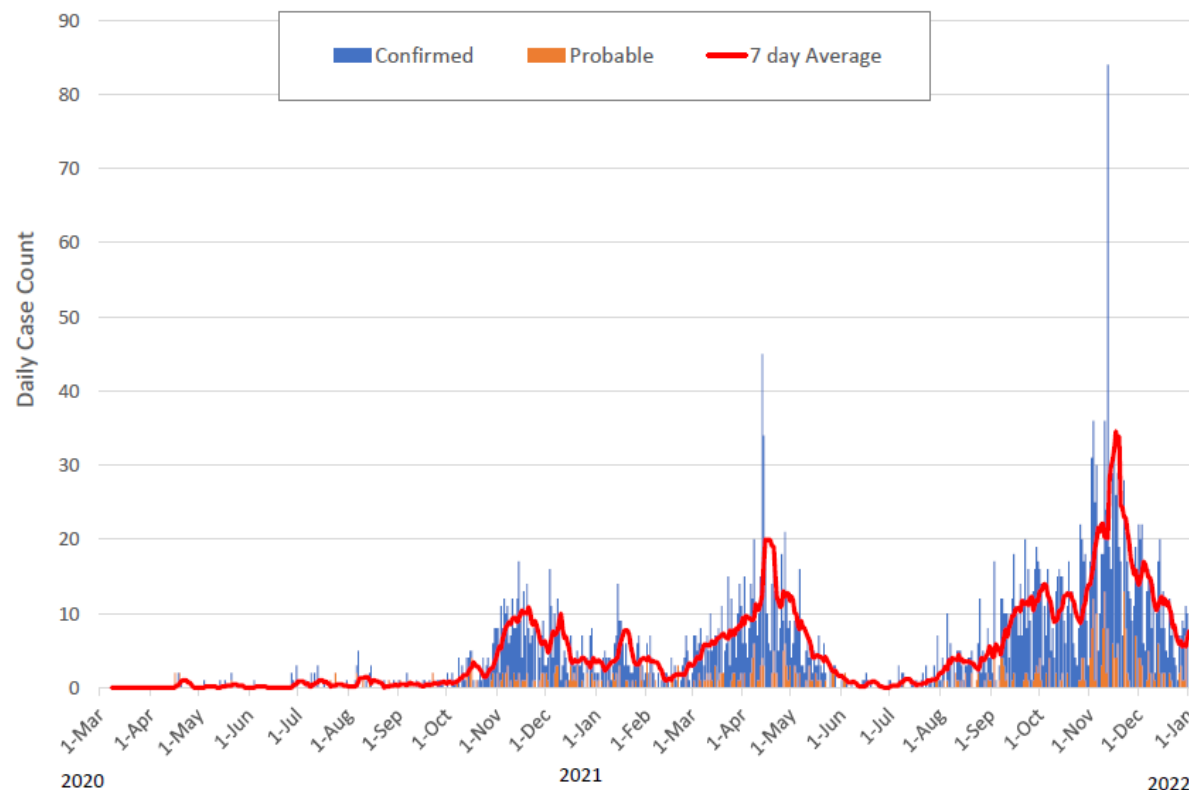
Number of Cases reported since March 2020

3384

	<u>Count</u>	<u>% **</u>
In quarantine at time of onset/positive test	1017	30.1%
Associated with known cluster/outbreak	75	2.2%
Any contact (HC, Comm, HH) to confirmed case	1592	47.0%
Healthcare Contact to confirmed case	3	0.1%
Community Contact to confirmed case	374	11.1%
Household Contact to confirmed case	1270	37.5%
Attended Community Event/Mass Gathering	109	3.2%
Any Travel (international, domestic, in state)	176	5.2%
Source of infection is unknown	1073	31.7%

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

Allegan County COVID-19 Cases in Ages 3 to 17 by Referral Date





Allegan County Breakdown of Total COVID-19 Cases By School Age (3-17) From March 1, 2020 to January 7, 2022

Allegan County Breakdown of COVID-19 Cases By School Age (3-17) Past 2 Weeks , As of January 7, 2022

Breakdown of Cases by School Age Categories

Total Case Count	3384
Number of Cases <18 years	3384
% cases <18 years	100.0%

Breakdown of Cases by School Age Categories

Total Case Count	147
Number of Cases <18 years	147
% 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	226	6.7%	6.7%
K-5th grade age	5-10 years	1150	34.0%	34.0%
6-8th grade age	11-13 years	710	21.0%	21.0%
9-12th grade age	14-17 years	1298	38.4%	38.4%

<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	13	8.8%	8.8%
K-5th grade age	5-10 years	48	32.7%	32.7%
6-8th grade age	11-13 years	37	25.2%	25.2%
9-12th grade age	14-17 years	49	33.3%	33.3%

**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.*

**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 January 07, 2022

As of March 2020,
 45% were household contact to a confirmed case
 18.5% were asymptomatic cases (no symptoms but tested positive for COVID-19)

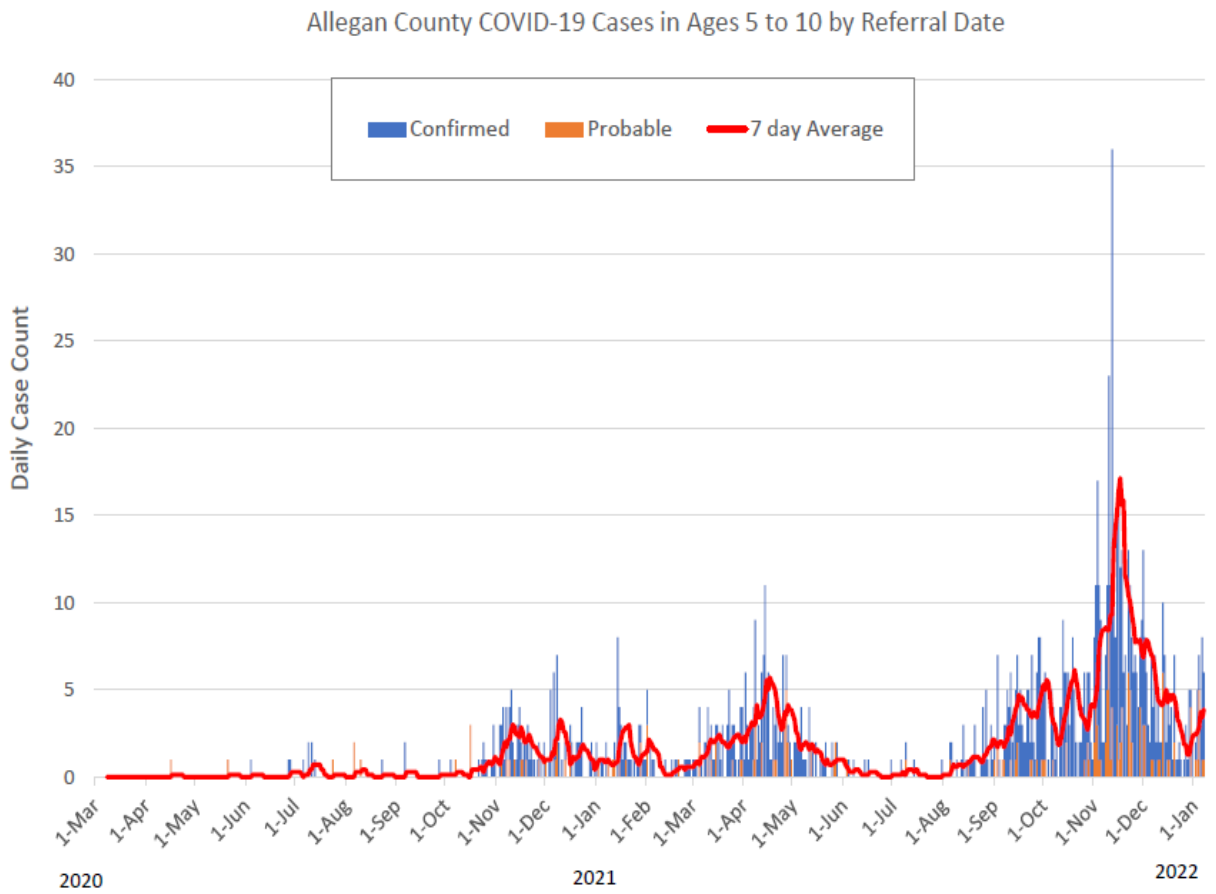
Total Cases : 1,150

CASES REPORTED IN PAST TWO WEEKS: Data from 12/25/2021 to 01/07/2022

For this section to auto-calculate,
 enter the date you exported the data here -----> 01/07/22
 mm/dd/yy

Number of Cases reported in past two weeks	Count	% **
In quarantine at time of onset/positive test	11	22.9%
Associated with known cluster/outbreak	0	0.0%
Any contact (HC, Comm, HH) to confirmed case	19	39.6%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	2	4.2%
Household Contact to confirmed case	18	37.5%
Attended Community Event/Mass Gathering	0	0.0%
Any Travel (international, domestic, in state)	3	6.3%
Source of infection is unknown	5	10.4%

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





Allegan County Case Trends Middle School Ages 11 to 13

March 2020 through January 07, 2022

As of March 2020,
41.3% were household contact to a confirmed case
14.3% were asymptomatic cases (no symptoms but tested positive for COVID-19)

Total Cases : 710

CASES REPORTED IN PAST TWO WEEKS: Data from 12/25/2021 to 01/07/2022

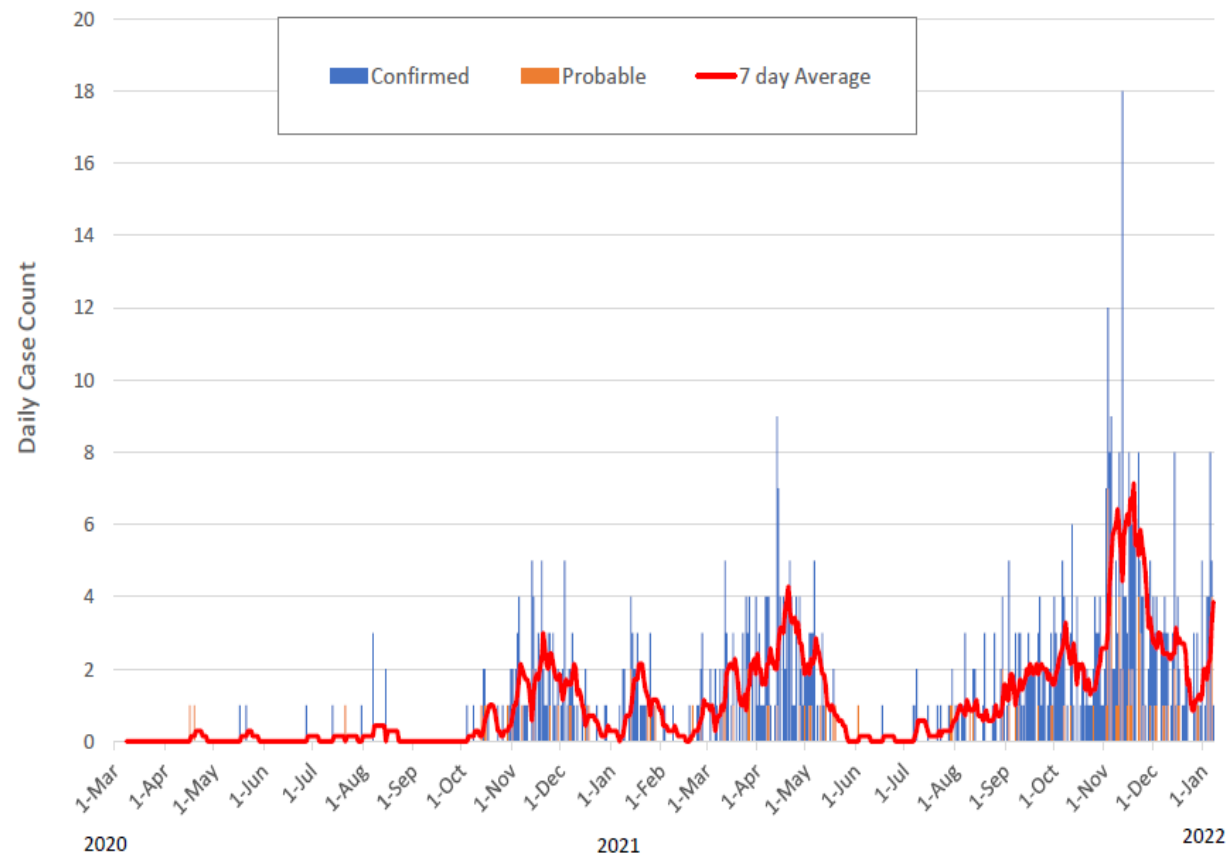
For this section to auto-calculate, enter the date you exported the data here ----->

01/07/22
mm/dd/yy

Number of Cases reported in past two weeks	Count	% **
In quarantine at time of onset/positive test	4	10.8%
Associated with known cluster/outbreak	0	0.0%
Any contact (HC, Comm, HH) to confirmed case	14	37.8%
Healthcare Contact to confirmed case	1	2.7%
Community Contact to confirmed case	1	2.7%
Household Contact to confirmed case	12	32.4%
Attended Community Event/Mass Gathering	1	2.7%
Any Travel (international, domestic, in state)	3	8.1%
Source of infection is unknown	4	10.8%

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

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

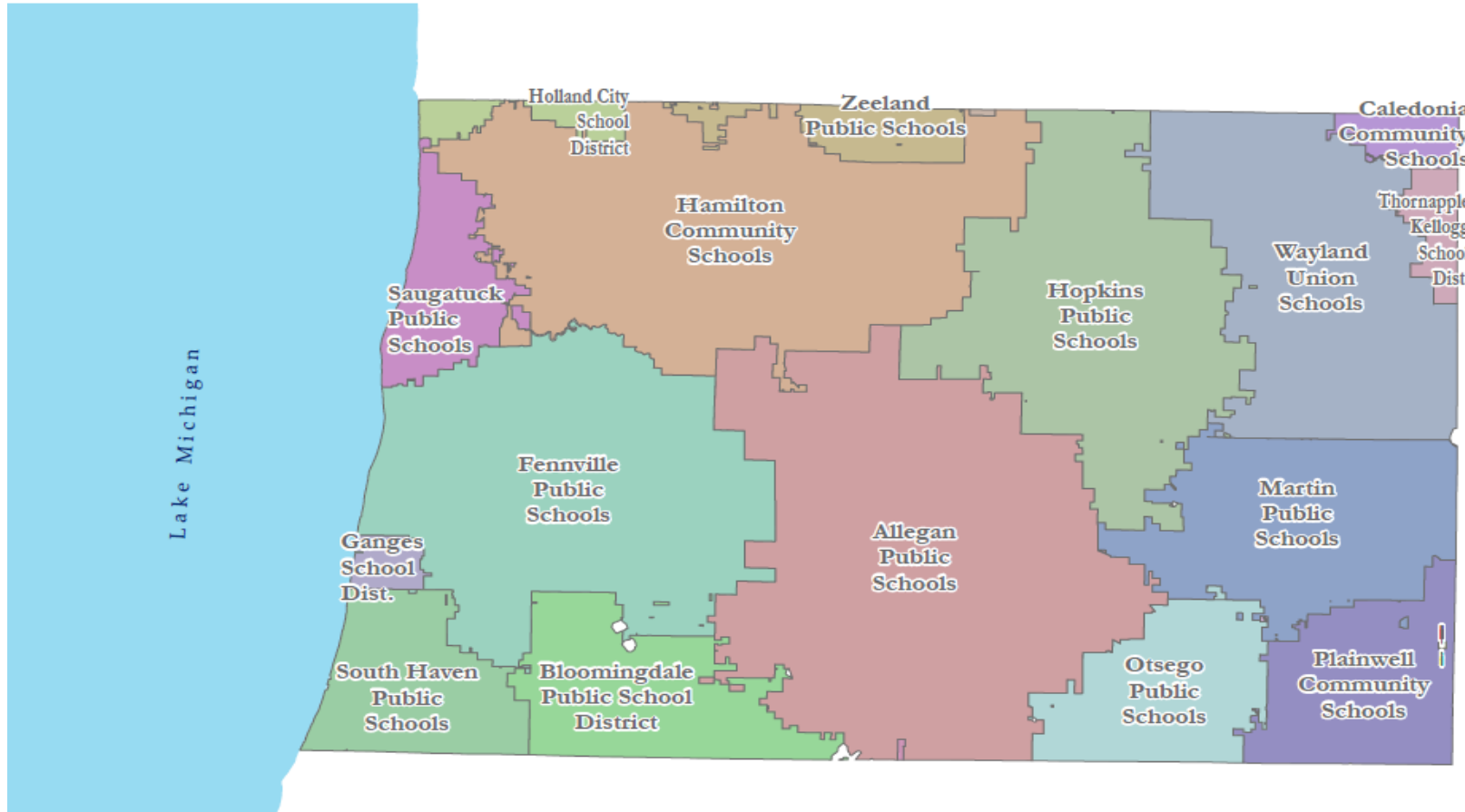




Map for COVID-19 Cases by School District

Allegan County School Districts

Data from 12/25/2021 to 01/07/2022



Age Group	Total Cases
5 to 10	48
11 to 13	35
14 to 17	47

*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 COVID-19 Cases by School District in Allegan County

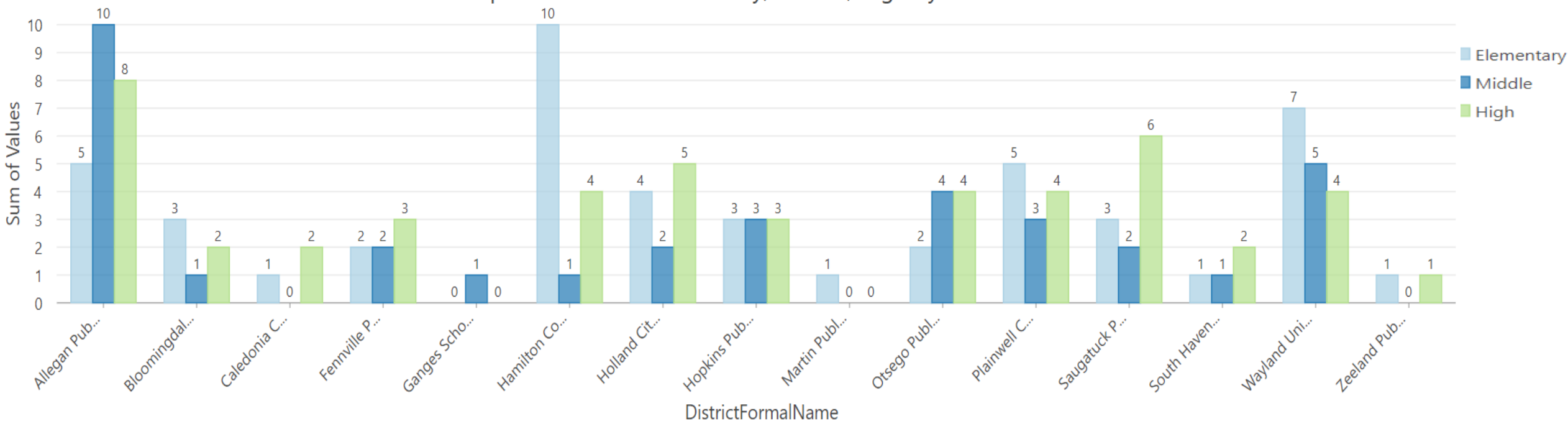
Data from 12/25/2021 to 01/07/2022

Total Elementary Cases: 48

Total Middle School Cases: 35

Total High School Cases: 47

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.

<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>Percentage Fully Vaccinated (%)</i>	<i>Number of Cases</i>
<i>Allegan Public Schools</i>		√§	√	√	√	Grade 0-5: 9% Grade 6-8: 23% Grade 9-12: 37%	42
<i>Allegan Area Educational Service Agency (includes ACATEC and Hillside)</i>		√	√	√	√	42%	17
<i>Fennville Public Schools</i>	√		√	√	√	Elementary: 8% Middle School: 21% High School: 35% Pearl Alternative: 28% Staff: 59%	8
<i>Glenn Public School</i>		√	√	√	√	Students: 30% Staff: 90%	0
<i>Hamilton Community Schools</i>			√	√	√	21%	4
<i>Holland Christian Schools^{†,◇}</i>			√				5
<i>Hopkins Public Schools**</i>			√	√	√		8
<i>Innoacademy- Allegan Campus</i>	√		√	√	√	Students: 17% Staff: 80%	0
<i>Martin Public Schools[‡]</i>			√			Grade 0-5: 6% Grade 6-8: 21% Grade 9-12: 23%	2
<i>Moline Christian School^{‡,◇}</i>			√				0
<i>Otsego Public Schools</i>			√	√	√	Alamo EL: 13% Dix EL: 15% Washington EL: 14% High School: 44% Middle School: 29.4%	46
<i>Outlook Academy</i>	√		√	√	√	50%	0
<i>Plainwell Community Schools</i>	√	√☼	√	√	√	33%	4
<i>Saugatuck Public Schools</i>	√	√	√	√	√	Douglas Elementary: 30% Middle School: 44% High School: 62%	16
<i>St. Mary's Visitation**</i>		√	√	√	√		0
<i>St. Margaret School^{‡,◇}</i>			√				0
<i>St. Stanislaus School^{‡,◇}</i>			√				0
<i>St. Therese Catholic School</i>	√	√	√	√	√	Students: 14% Staff: 63%	0
<i>Wayland Union Schools</i>	√		√	√	√	Grade 0-5: 11% Grade 6-8: 31% Grade 9-12: 37%	31

§ Following universal masking for K-12 students until January 11, 2022
☼ Following universal masking for K-12 students until January 14, 2022
**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 12/20/21. Data for Percent Vaccinated is fully vaccinated/ number of students or staff (roster provided by school district)
Data calculations for percent vaccinated is updated as of 1/11/22.
Sources: ACHD School SharePoint Site, ACHD Back to School Survey, MICR
Schools have an obligation to cooperate with public health investigations of cases and contacts identified within the student population per R. 325.174(2), that specifies:
(2) An investigator who presents official identification of the local health department or the department shall promptly be provided with medical, epidemiologic, and other information pertaining to any of the following:
Individuals who have designated conditions or other conditions of public health significance.
Individuals, whether ill or well, who are part of a group in which an unusual occurrence, outbreak, or epidemic has occurred.
Individuals who are not known to have a designated condition but whose medical or epidemiological information is needed for investigation into the cause of the occurrence of the condition.
Individuals who were potentially exposed to a designated condition.

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	1	1	0	1	0	638
AAESA	Hillside	6	6	6	0	0	124
Allegan	Allegan HS	29	29	0	29	0	581
Allegan	Dawson El	0	0	0	0	0	284
Allegan	LE White MS	24	24	0	24	0	492
Allegan	Pine Trails El	0	0	0	0	0	347
Allegan	West Ward El	0	0	0	0	0	234
Fennville	Fennville El	8	0	5	3	0	551
Fennville	Fennville MS	8	0	1	7	0	310
Fennville	Fennville HS	7	0	4	3	0	421
Glenn	Glenn	0	0	0	0	0	33
Hamilton	Bentheim El	0	0	0	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	0	0	0	0	0	397
Hopkins	Hopkins HS	0	0	0	0	0	522
Hopkins	Hopkins MS	1	0	1	0	0	369
Hopkins	Sycamore El	3	0	2	1	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 **1/11/2022**. **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	0	0	0	0	0	378
Plainwell	Plainwell HS	0	0	0	0	0	834
Plainwell	Renaissance HS	0	0	0	0	0	61
Plainwell	Starr El	0	0	0	0	0	452
Plainwell	Plainwell MS	0	0	0	0	0	645
Saugatuck	Douglas El	29	11	17	12	0	345
Saugatuck	Saugatuck HS	22	19	2	20	0	264
Saugatuck	Saugatuck MS	6	3	2	4	0	206
Wayland	Baker El	18	18	15	3	0	318
Wayland	Dorr El	17	17	17	0	0	396
Wayland	Pine St. El	40	40	40	0	0	405
Wayland	Steeby El	5	0	0	5	0	241
Wayland	Wayland HS	30	30	28	2	0	825
Wayland	Wayland MS	18	18	6	12	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	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 1/11/2022. **Note: this is not an aggregate number.**

Source: ACHD School SharePoint Site

Definitions:

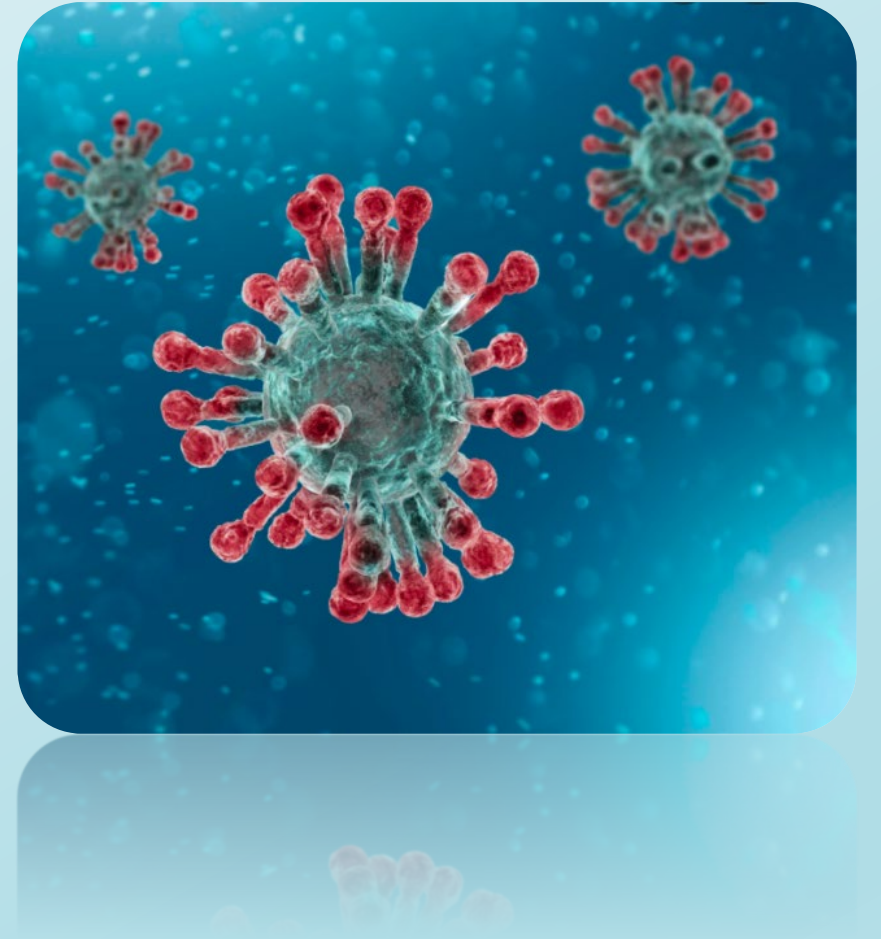
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- Eligible for self monitoring/still attending:** Any close contact that is still attending school due to vaccination status, previous infection in the last 90 days, or both case and close contact were masked during time of exposure.
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- 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.

Upcoming: ACHD anticipates to publish updated School Quarantine Guidance by 1/12/2022

[CDC K-12 Guidance](#) (updated 1/6/2022)

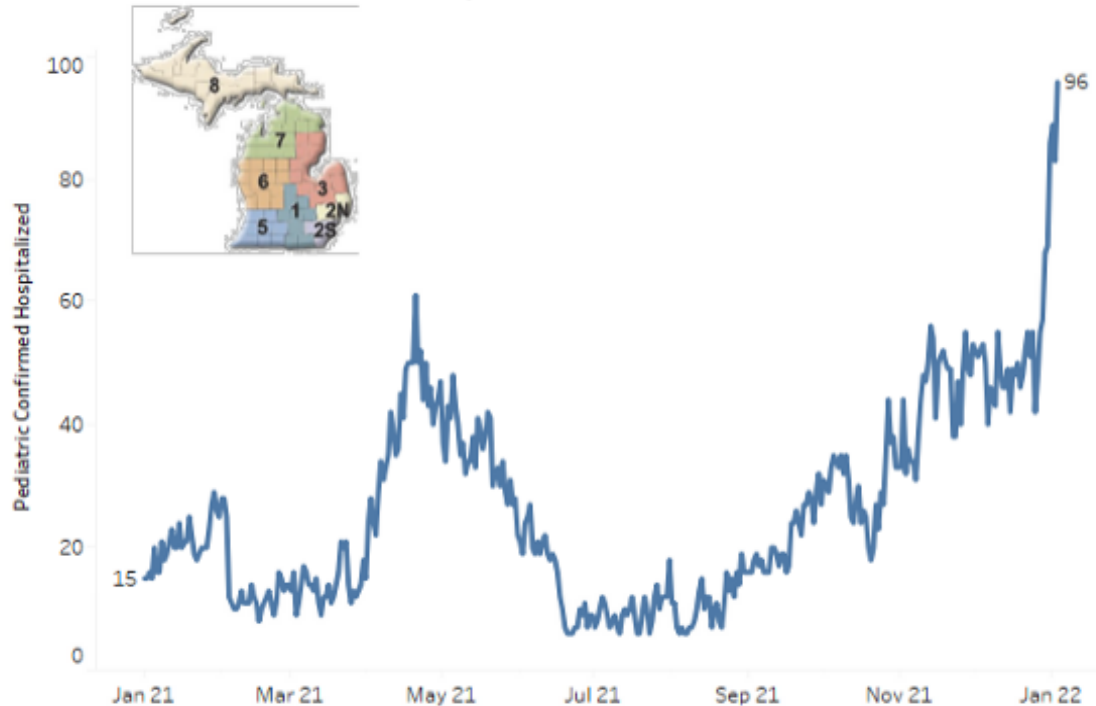
[MDHHS Guidance for Managing Exposures in K-12 Setting](#) (updated 1/10/2022)

Science Round Up: School Related Data



Statewide Hospitalization Trends: Pediatric COVID+ Census

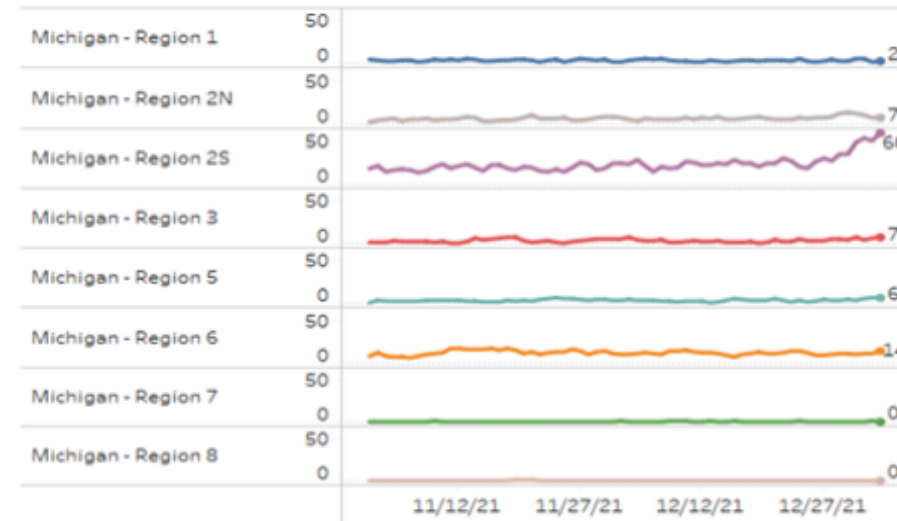
Hospitalization Trends 1/1/2021 – 1/3/2022
Pediatric Hospitalizations, Confirmed



Pediatric hospitalizations have risen significantly with the COVID+ census nearly doubling since last week and reaching a new record for the pandemic.

The increase is predominantly in Region 2S where two of the state's largest Children's hospitals are located.

Pediatric Hospitalizations by Region
(Nov 2021-Jan 2022)

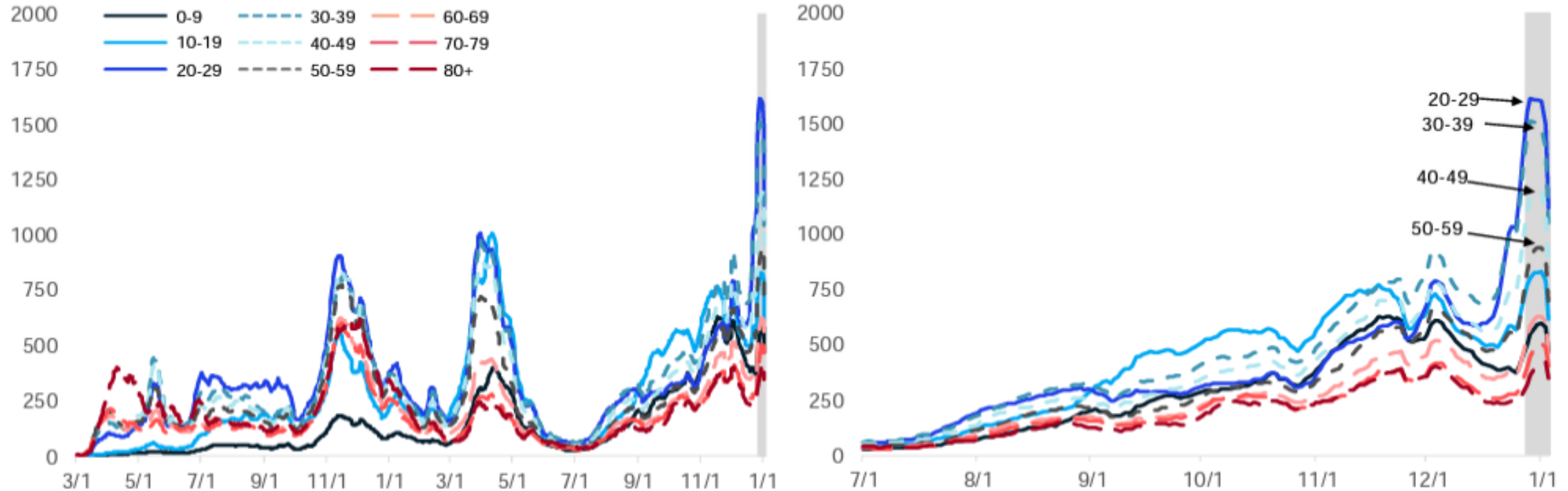


From 9/1/21 – 1/10/22, there have been 9 pediatric Allegan County residents hospitalized related to COVID-19.

Michigan Trends, as of January 04, 2022

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 most age groups saw increases over the past week and are expected to increase further
- Case rates by onset date for all age groups are between 282 and 1,371 cases per million (through 12/27)
- Case counts and case rates are highest for 20-29-year-olds this week

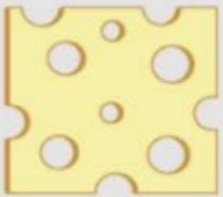
Note: Case information sourced from MDHHS and reflects date of onset of symptoms
Source: MDHHS – Michigan Disease Surveillance System

Mitigation Strategies for Schools

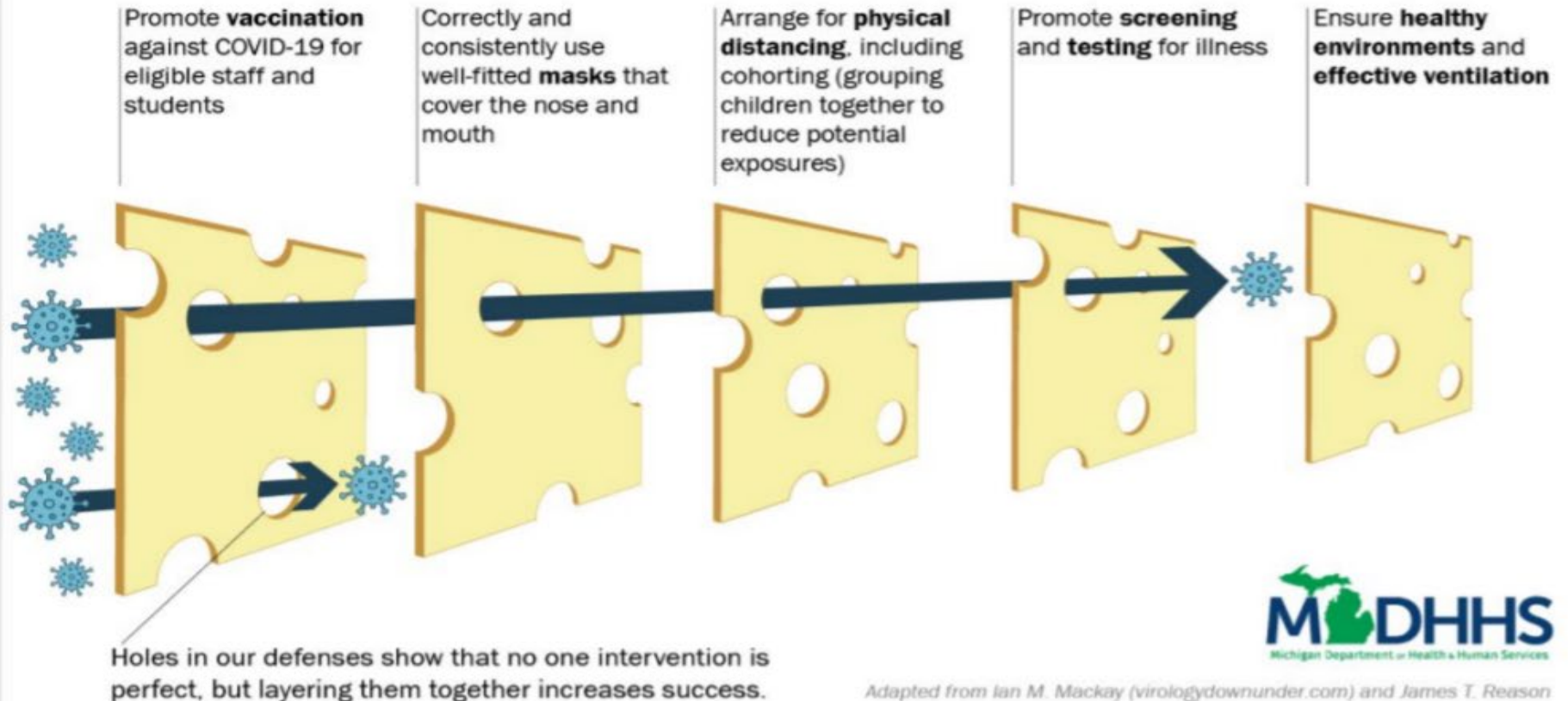
Layers of Defense Against COVID-19 in Schools

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

Why Cloth Masks Might Not Be Enough as Omicron Spreads

Time it takes to transmit an infectious dose of Covid-19

		PERSON NOT INFECTED IS WEARING			
		Nothing	Cloth mask	Surgical mask	N95
PERSON INFECTED IS WEARING	Nothing	15 min.	20 min.	30 min.	2.5 hours
	Cloth mask	20 min.	27 min.	40 min.	3.3 hours
	Surgical mask	30 min.	40 min.	1 hour	5 hours
	N95	2.5 hours	3.3 hours	5 hours	25 hours

It will take 25 hours for an infectious dose of Covid-19 to transmit between people wearing non-fit-tested N95 respirators. If they're using tightly sealed N95s—where only 1% of particles enter the facepiece—they will have 2,500 hours of protection.

ACHD sent a Memorandum on 1/11/22 to Community and School Leaders requesting masking until this surge subsides and we are no longer in high community transmission.

Upgrading masks is an important item to consider with the Omicron variant, as cloth masks are showing not being enough against Omicron. KN95 and N95 masks for adults and children are more readily available for purchase now compared to the early days in the pandemic. The figure to the left shows the time it takes to transmit an infectious dose of COVID-19 when an infected person is wearing a mask and a not infected person is wearing a mask. It will take 25 hours for an infectious dose of COVID-19 to transmit between people wearing non-fit tested N95 respirators.

Resources:

[Mask Guide for Kids- Fall 2021](#)

[Masks for Kids](#)



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Questions on the School Reports?

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