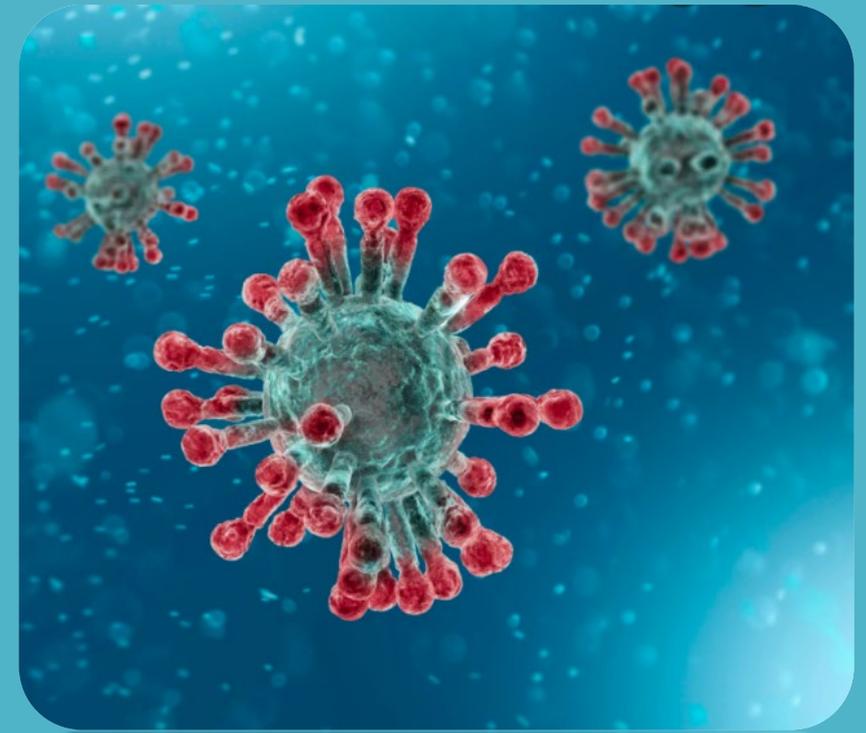




HEALTH
Department

ACHD COVID-19 School Update

2021-2022 School Year
February 8, 2022 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](#)

The 2/8/22 School Report will be the **last report** posted from Allegan County Health Department

Based on the Board of Commissioners January 23, 2022 decision to transition to mandated or low services and reject ACHD response recommendation and the funding needed from ARPA; ACHD began the transition to a mandated service level.

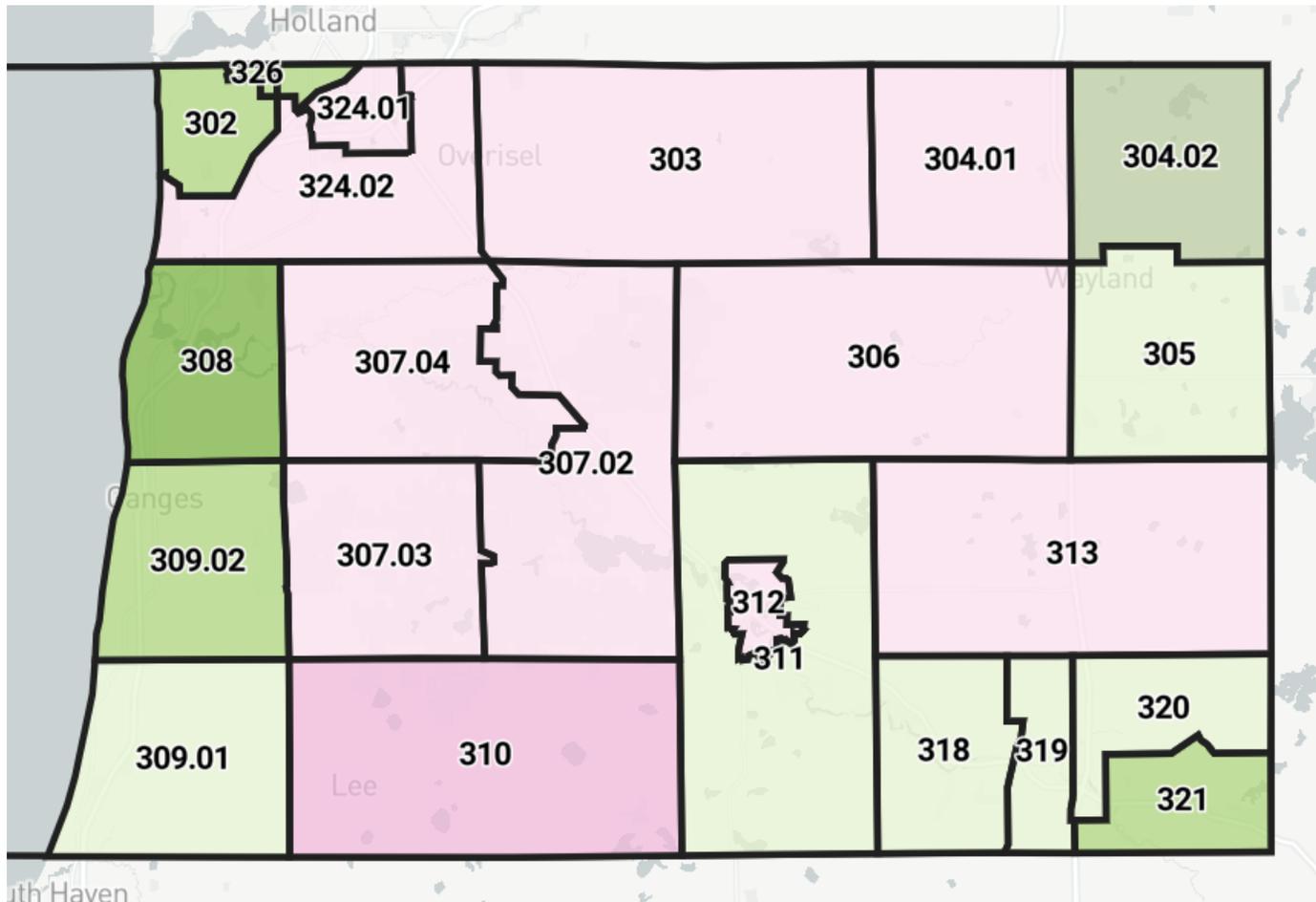
Mandated services include communicable disease investigation, health education services and limited vaccine appointments if a community member is vulnerable or a child qualifies for the Vaccine for Children program.

Starting mid-February, ACHD will no longer be able to routinely provide data down to school district, zip code, or census tract data. For county level data, please visit www.Michigan.gov/coronavirus or <https://covid.cdc.gov/covid-data-tracker/#county-view>

For feedback, please contact the [Board of Commissioners](#) and fill out ACHD's [inquiry form](#)



Allegan County Vaccination Coverage Trends (% All Ages), As of February 02, 2022

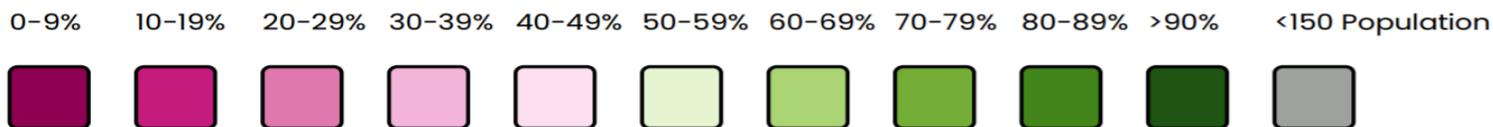


Allegan County Percentage Fully Vaccinated-All Ages:
51.6% (59,508/115,250)

Percent Breakthrough-All Ages:
4.95%* (3,006/60,721)

- NOTE: Data is as of 1/26/21. ACHD is waiting on updated Breakthrough Case data from the state. These data were not ready at time of publication.
- Breakthrough case: a confirmed COVID-19 case in a fully-vaccinated individual

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

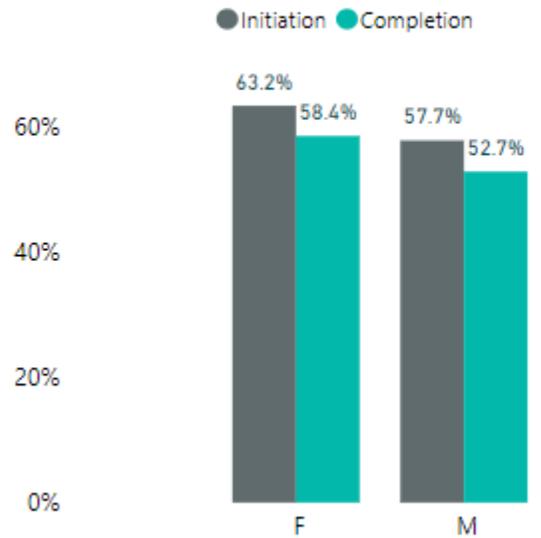


Source: Michigan Disease Surveillance System; MI Lighthouse Report

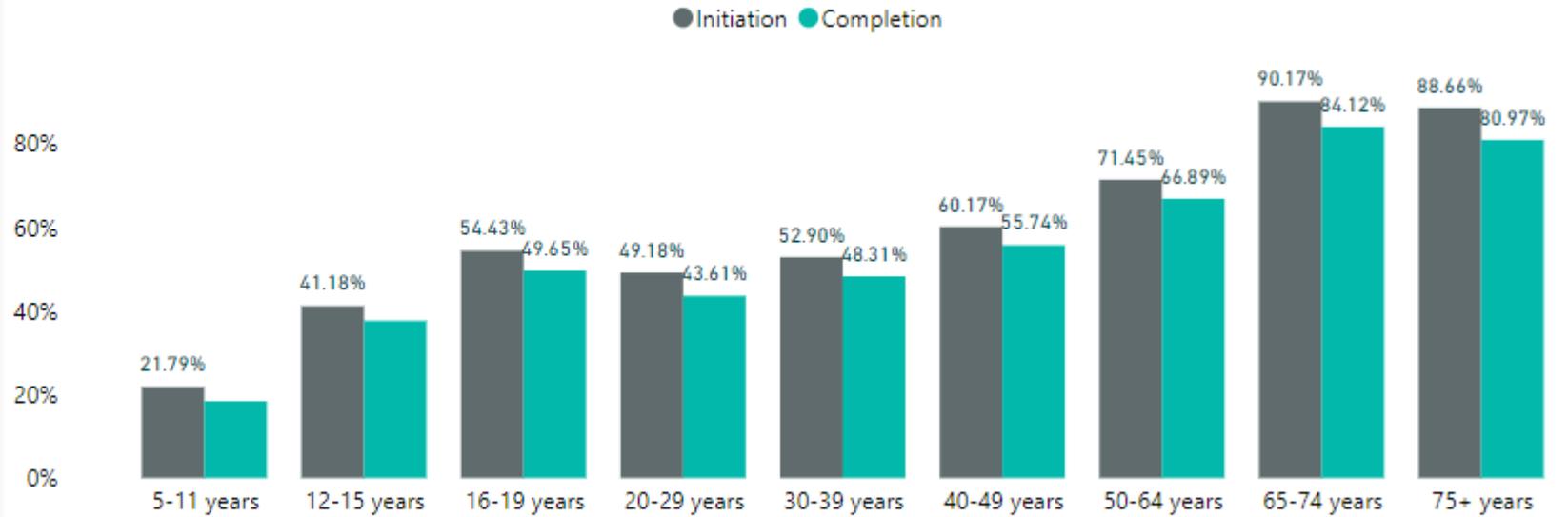


Allegan County Vaccination by Gender and Age Group, As of January 31, 2022

COVID Vaccine Coverage by Sex



COVID Vaccine Coverage by Age Group



Age Group	Initiated	Completed
5 to 11	2,405 (22%)	2,301 (18.4%)
12 to 15	2,771 (41.1%)	2,533 (37.6%)
16 to 19	3,144 (54.4%)	2,868 (49.7%)

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](#)



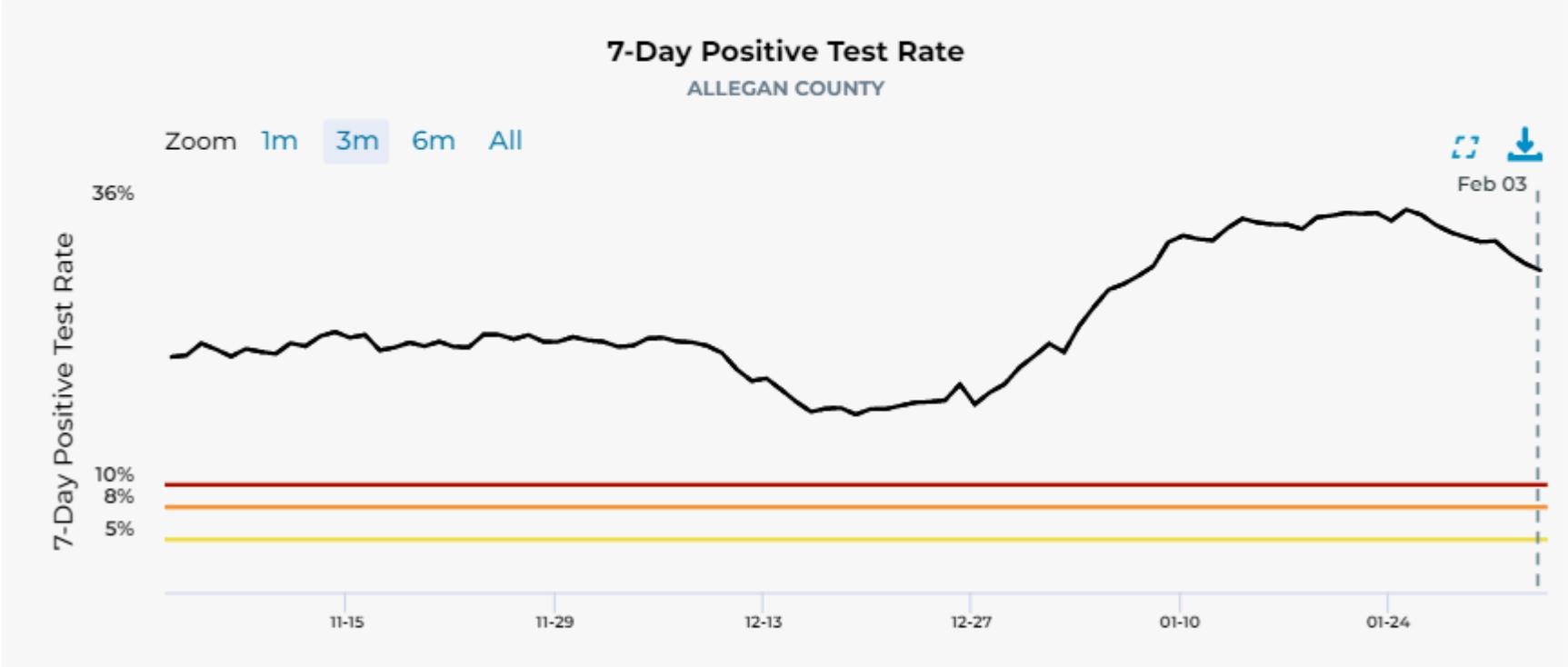
Allegan County Testing Trends All Ages, As of February 03, 2022

✓ **Test Positivity**
 Jan 28 - Feb 03

30%
 positive tests

3k
 daily tests administered per million

↘ **1 week** ⓘ
 Jan 21 - Jan 28



Source: [MI Safe Start Map](#)

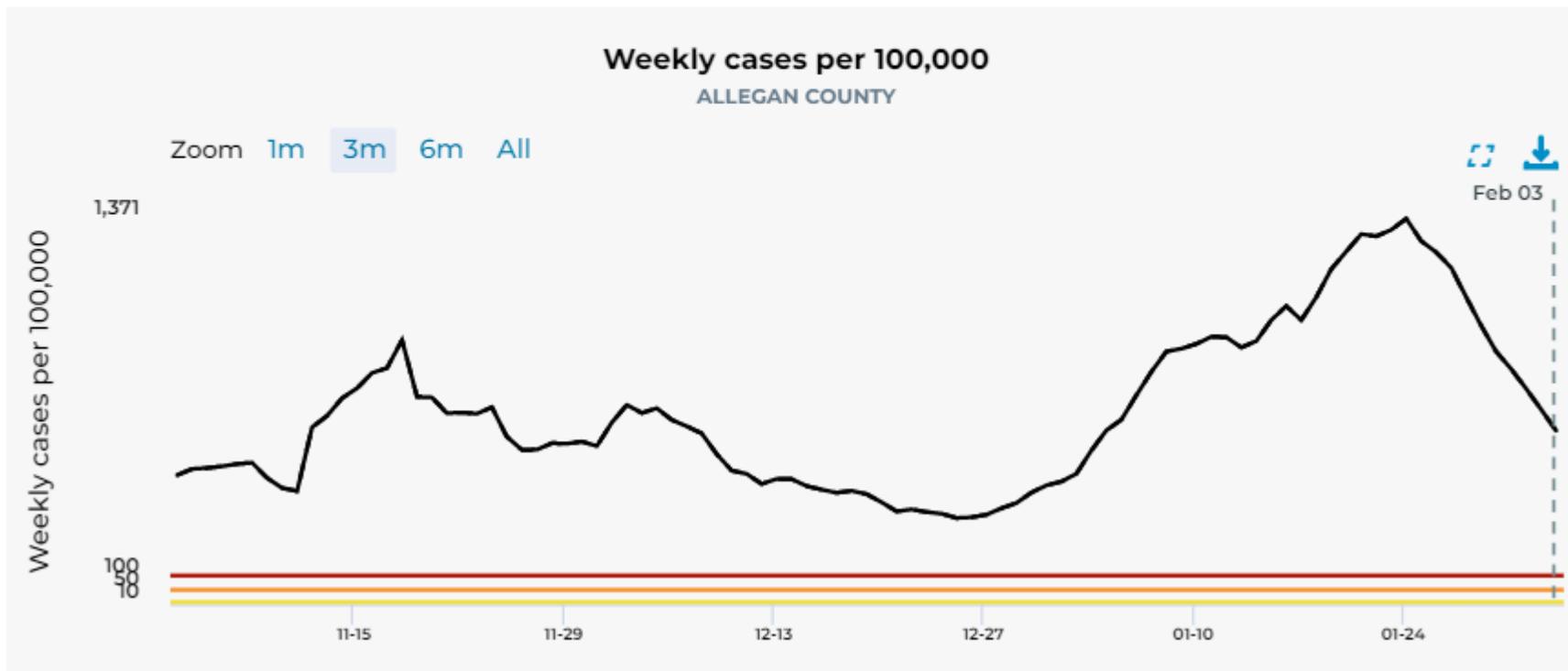


Allegan County Case Trends All Ages, As of February 03, 2022

✓ **New Cases**
 Jan 28 - Feb 03

617.4
 weekly cases per 100,000 population

729
 weekly cases



Risk Thresholds (Cases per 100,000)



Low: <10



Moderate 10-49



Substantial 50-99



High >=100



Allegan County Case Trends School Ages 3 to 17

March 2020 through February 04, 2022

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

Data from 3/1/2020 to 02/04/2022

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

03/01/20
mm/dd/yy

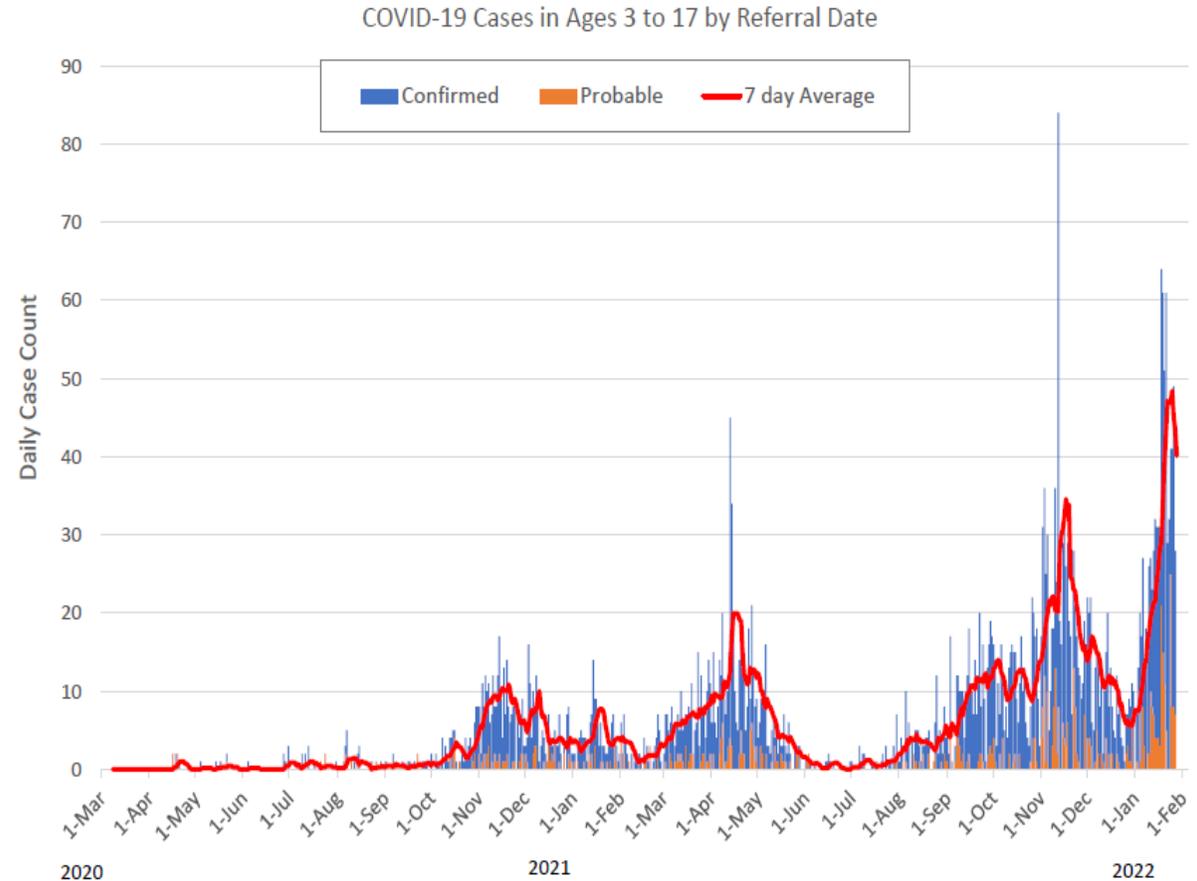
Number of Cases reported since March 2020

4250

	<u>Count</u>	<u>% **</u>
In quarantine at time of onset/positive test	1037	24.4%
Associated with known cluster/outbreak	94	2.2%
Any contact (HC, Comm, HH) to confirmed case	1786	42.0%
Healthcare Contact to confirmed case	5	0.1%
Community Contact to confirmed case	433	10.2%
Household Contact to confirmed case	1413	33.2%
Attended Community Event/Mass Gathering	115	2.7%
Any Travel (international, domestic, in state)	190	4.5%
Source of infection is unknown	1296	30.5%

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

Total Cases : 4,250





Allegan County Breakdown of Total COVID-19 Cases By School Age (3-17) From March 1, 2020 to February 04, 2022

Allegan County Breakdown of COVID-19 Cases By School Age (3-17) Past 2 Weeks , As of February 04, 2022

Breakdown of Cases by School Age Categories

Total Case Count	4250
Number of Cases <18 years	4250
% 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	297	7.0%	7.0%
K-5th grade age	5-10 years	1473	34.7%	34.7%
6-8th grade age	11-13 years	910	21.4%	21.4%
9-12th grade age	14-17 years	1570	36.9%	36.9%

**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

Total Case Count	367
Number of Cases <18 years	367
% 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	32	8.7%	8.7%
K-5th grade age	5-10 years	155	42.2%	42.2%
6-8th grade age	11-13 years	76	20.7%	20.7%
9-12th grade age	14-17 years	104	28.3%	28.3%

**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.*



Allegan County Case Trends Elementary School Ages 5 to 10

March 2020 through February 04, 2022

As of March 2020,
 39.4% were household contact to a confirmed case
 18.5% were asymptomatic cases (no symptoms but tested positive for COVID-19)

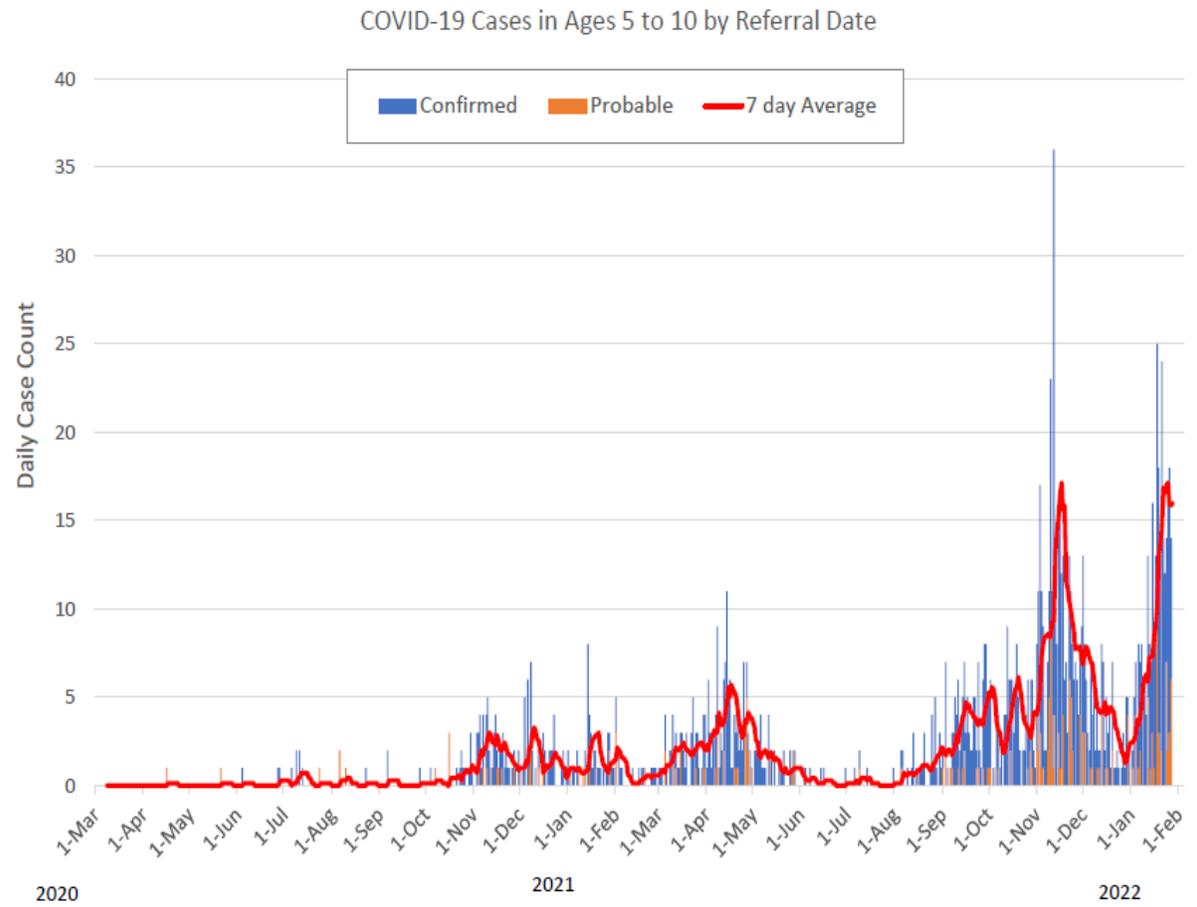
Total Cases : 1,473

CASES REPORTED IN PAST TWO WEEKS: Data from 01/22/2022 to 02/04/2022

For this section to auto-calculate, enter the date you exported the data here -----> 02/04/22
 mm/dd/yy

Number of Cases reported in past two weeks	155	
	<u>Count</u>	<u>% **</u>
In quarantine at time of onset/positive test	9	5.8%
Associated with known cluster/outbreak	1	0.6%
Any contact (HC, Comm, HH) to confirmed case	34	21.9%
Healthcare Contact to confirmed case	1	0.6%
Community Contact to confirmed case	9	5.8%
Household Contact to confirmed case	27	17.4%
Attended Community Event/Mass Gathering	0	0.0%
Any Travel (international, domestic, in state)	2	1.3%
Source of infection is unknown	37	23.9%

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





Allegan County Case Trends Middle School Ages 11 to 13

March 2020 through February 04, 2022

As of March 2020,
35.5% were household contact to a confirmed case
13.6% were asymptomatic cases (no symptoms but tested positive for COVID-19)

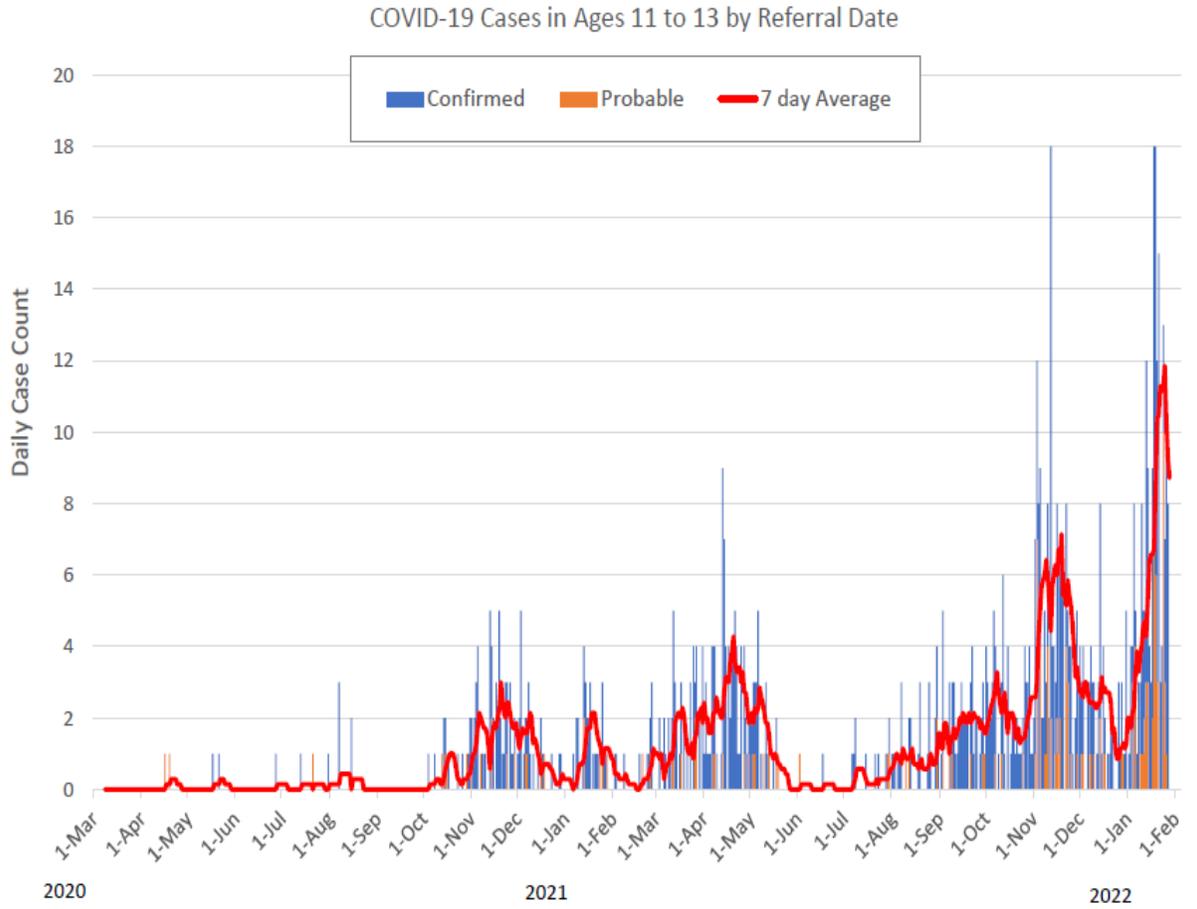
CASES REPORTED IN PAST TWO WEEKS: Data from 01/22/2022 to 02/04/2022

For this section to auto-calculate,
enter the date you exported the data here -----> 02/04/22
mm/dd/yy

Number of Cases reported in past two weeks	Count	% **
In quarantine at time of onset/positive test	3	3.9%
Associated with known cluster/outbreak	2	2.6%
Any contact (HC, Comm, HH) to confirmed case	19	25.0%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	3	3.9%
Household Contact to confirmed case	17	22.4%
Attended Community Event/Mass Gathering	1	1.3%
Any Travel (international, domestic, in state)	1	1.3%
Source of infection is unknown	19	25.0%

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

Total Cases : 910





Allegan County Case Trends High School Ages 14 to 17

March 2020 through February 04, 2022

As of March 2020,
23.6% were household contact to a confirmed case
11.6% were asymptomatic cases (no symptoms but tested positive for COVID-19)

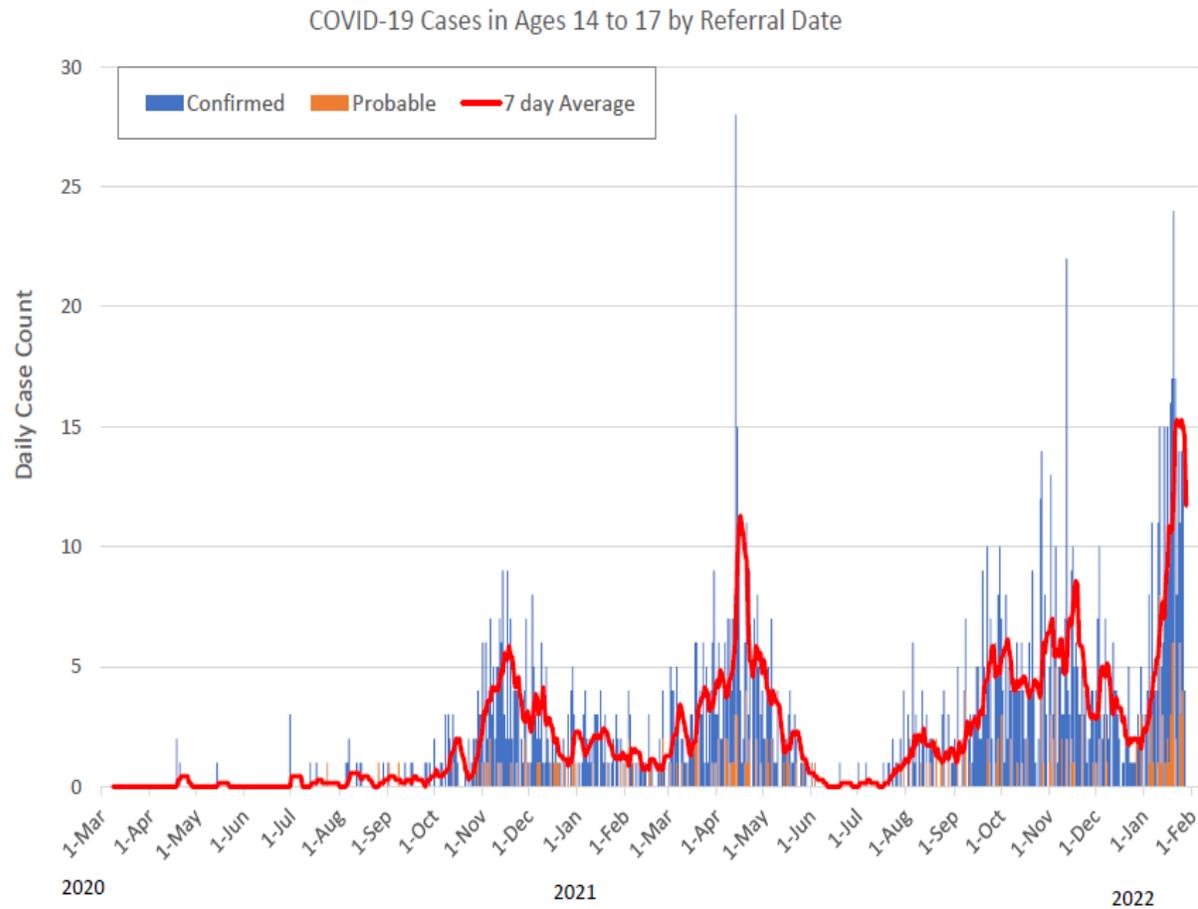
CASES REPORTED IN PAST TWO WEEKS: Data from 01/22/2022 to 02/04/2022

For this section to auto-calculate, enter the date you exported the data here -----> 02/04/22
mm/dd/yy

Number of Cases reported in past two weeks	Count	% **
In quarantine at time of onset/positive test	3	2.9%
Associated with known cluster/outbreak	4	3.8%
Any contact (HC, Comm, HH) to confirmed case	12	11.5%
Healthcare Contact to confirmed case	0	0.0%
Community Contact to confirmed case	3	2.9%
Household Contact to confirmed case	9	8.7%
Attended Community Event/Mass Gathering	0	0.0%
Any Travel (international, domestic, in state)	1	1.0%
Source of infection is unknown	24	23.1%

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

Total Cases: 1,570

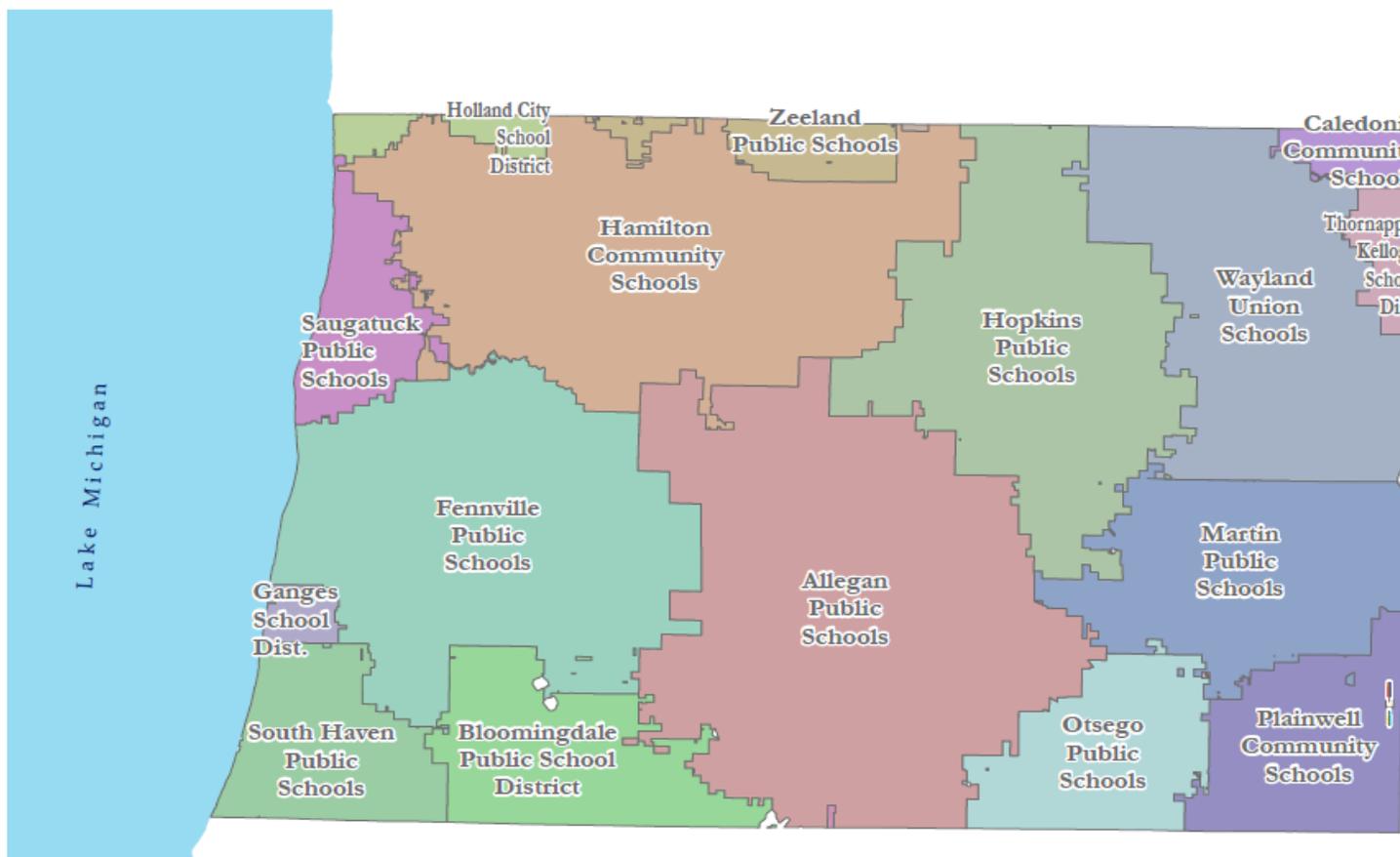




Map for COVID-19 Cases by School District

Allegan County School Districts

Data from 01/22/2022 to 02/04/2022



Age Group	Total Cases
5 to 10	150
11 to 13	73
14 to 17	99

*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

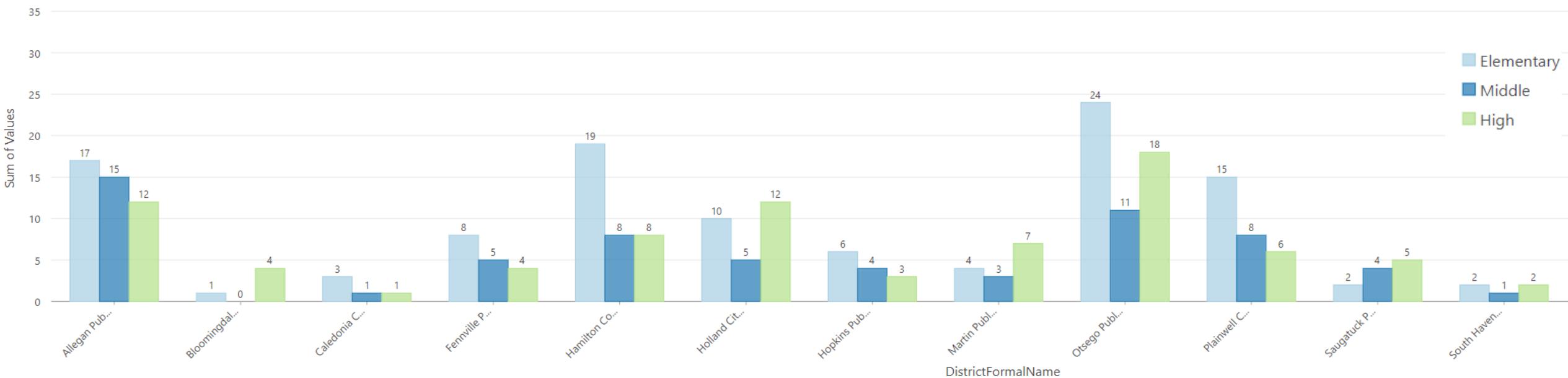
Data from January 22, 2022 through February 04, 2022

Total Elementary Cases: 150

Total Middle School Cases: 73

Total High School Cases: 99

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: 13% Grade 6-8: 25% Grade 9-12: 37%	29
<i>Allegan Area Educational Service Agency (includes ACATEC and Hillside)</i>		✓	✓	✓	✓	44%	3
<i>Fennville Public Schools</i>	✓		✓	✓	✓	Elementary: 13% Middle School: 27% High School: 38% Pearl Alternative: 29% Staff: 59%	13
<i>Glenn Public School</i>		✓	✓	✓	✓	Students: 31% Staff: 90%	0
<i>Hamilton Community Schools</i>			✓	✓	✓	25%	11
<i>Holland Christian Schools</i> ^{‡,◊}			✓				2
<i>Hopkins Public Schools</i> **			✓	✓	✓		5
<i>Innoacademy- Allegan Campus</i>	✓		✓	✓	✓	Students: 18% Staff: 87%	1
<i>Martin Public Schools</i> [‡]			✓			Grade 0-5: 11% Grade 6-8: 23% Grade 9-12: 25%	10
<i>Moline Christian School</i> ^{‡,◊}			✓				0
<i>Otsego Public Schools</i>			✓	✓	✓	Alamo EL: 15% Dix EL: 21% Washington EL: 17% Middle School: 36% High School: 46%	26
<i>Outlook Academy</i>	✓		✓	✓	✓	50%	0
<i>Plainwell Community Schools</i>	✓		✓	✓	✓	36%	1
<i>Saugatuck Public Schools</i>	✓	✓	✓	✓	✓	Douglas Elementary: 44% Middle School: 47% High School: 63%	21
<i>St. Mary's Visitation</i> **		✓	✓	✓	✓		1
<i>St. Margaret School</i> ^{‡,◊}			✓				0
<i>St. Stanislaus School</i> ^{‡,◊}			✓				0
<i>St. Therese Catholic School</i>	✓	✓	✓	✓	✓	Students: 16% Staff: 63%	1
<i>Wayland Union Schools</i>	✓		✓	✓	✓	Grade 0-5: 15% Grade 6-8: 33% Grade 9-12: 38%	41

Sources: ACHD School SharePoint Site, ACHD Back to School Survey, MICR

**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 02/07/22. 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 02/07/22.

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	0	0	0	0	0	638
AAESA	Hillside	5	5	0	5	5	124
Allegan	Allegan HS	0	0	0	0	0	581
Allegan	Dawson El	5	5	0	5	5	284
Allegan	LE White MS	26	26	0	26	26	492
Allegan	Pine Trails El	0	0	0	0	0	347
Allegan	West Ward El	0	0	0	0	0	234
Fennville	Fennville El	10	7	3	7	7	551
Fennville	Fennville MS	2	0	1	1	0	310
Fennville	Fennville HS	4	1	2	2	1	421
Glenn	Glenn	0	0	0	0	0	33
Hamilton	Bentheim El	0	0	0	0	0	234
Hamilton	Blue Star El	11	11	10	1	11	233
Hamilton	Hamilton El	0	0	0	0	0	356
Hamilton	Hamilton HS	7	7	0	7	7	798
Hamilton	Hamilton MS	18	18	0	18	18	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	0	0	0	0	0	369
Hopkins	Sycamore El	0	0	0	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	2	0	0	2	0	87
Charter	Outlook	0	0	0	0	0	44

This data is the identified current close contacts by each school building on **02/07/2022**. **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	28	17	28	0	17	345
Saugatuck	Saugatuck HS	15	14	10	5	14	264
Saugatuck	Saugatuck MS	3	0	3	0	0	206
Wayland	Baker El	66	66	0	66	66	318
Wayland	Dorr El	2	2	0	2	2	396
Wayland	Pine St. El	24	24	0	24	24	405
Wayland	Steeby El	11	11	0	11	11	241
Wayland	Wayland HS	31	31	0	31	31	825
Wayland	Wayland MS	21	21	0	21	21	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	4	2	2	2	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	

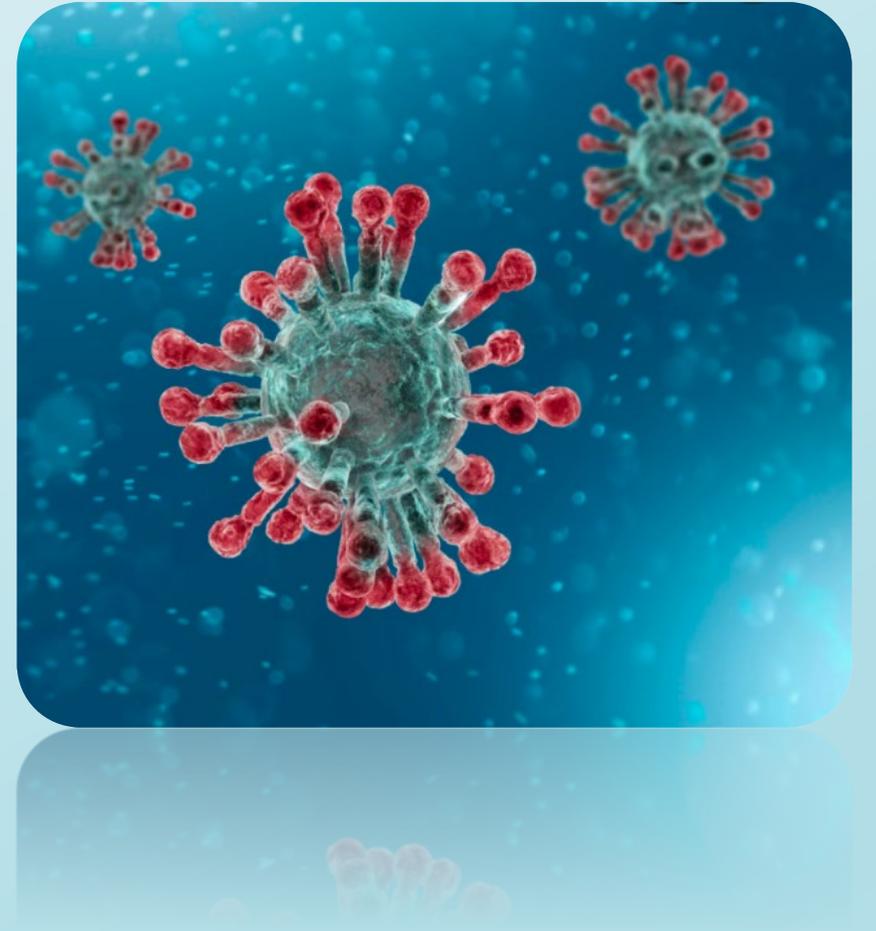
This data is the identified current close contacts by each school building on **02/07/2022**. **Note: this is not an aggregate number.**

Source: ACHD School SharePoint Site

Definitions:

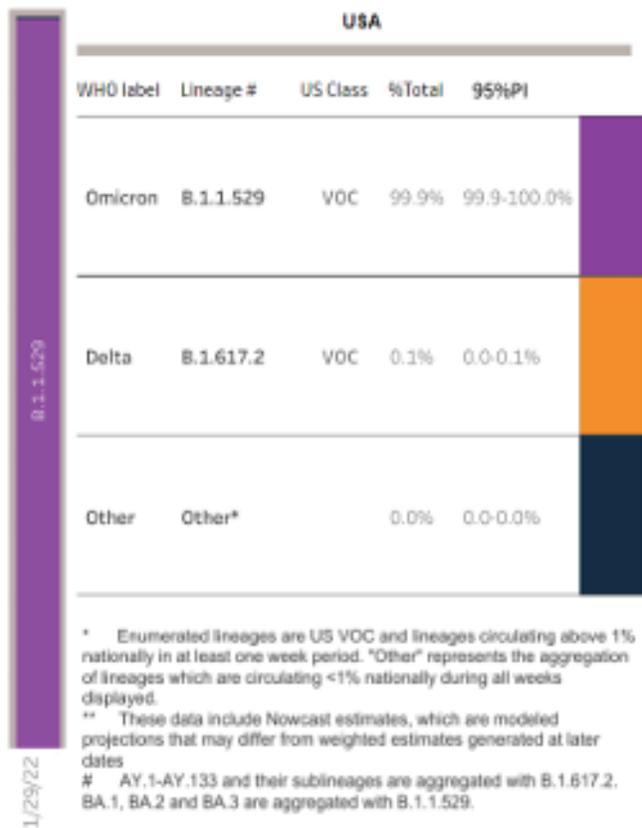
- Total close contact:** Any school staff or student that was determined to meet the close contact definition (includes household exposures)
- Eligible for self monitoring/still attending:** Any close contact that is still attending school due to vaccination status, previous infection in the last 90 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.

Science Round Up: School Related Data



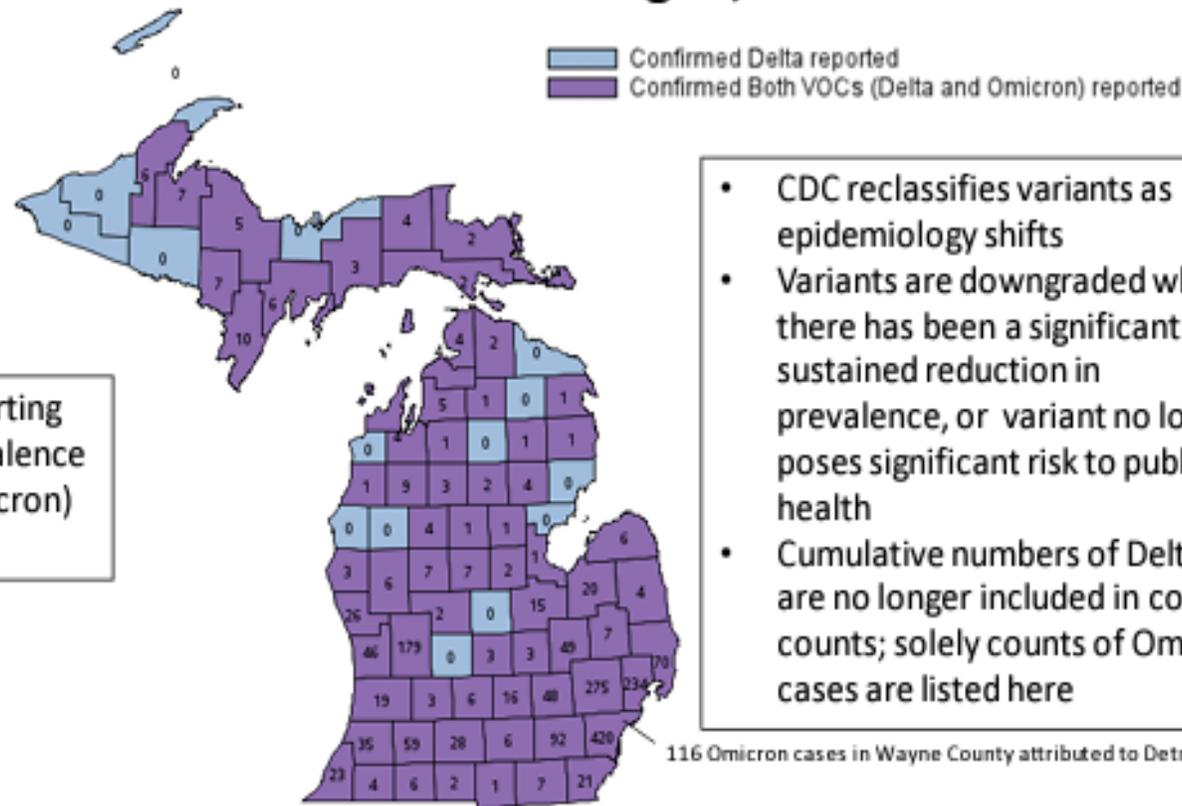
Identified COVID-19 Cases Caused by Variants of Concern (VOC) in US and Michigan

SARS-CoV-2 Variants Circulating in the United States, Jan 23 – Jan 29 (NOWCAST)



Currently, CDC is reporting rapid increase in prevalence of B.1.1.529 (i.e., Omicron) over past 2 months

Variants of Concern in Michigan, Jan



- CDC reclassifies variants as epidemiology shifts
- Variants are downgraded when there has been a significant and sustained reduction in prevalence, or variant no longer poses significant risk to public health
- Cumulative numbers of Delta are no longer included in county counts; solely counts of Omicron cases are listed here

Variant	MI Reported Cases	# of Counties	MDHHS VOC Sequenced Prev. [†]
B.1.617.2 (delta)	30,856	83	3%
B.1.1.529 (omicron)	1,904	68	97%

Data last updated Jan 31, 2022
Source: MDSS

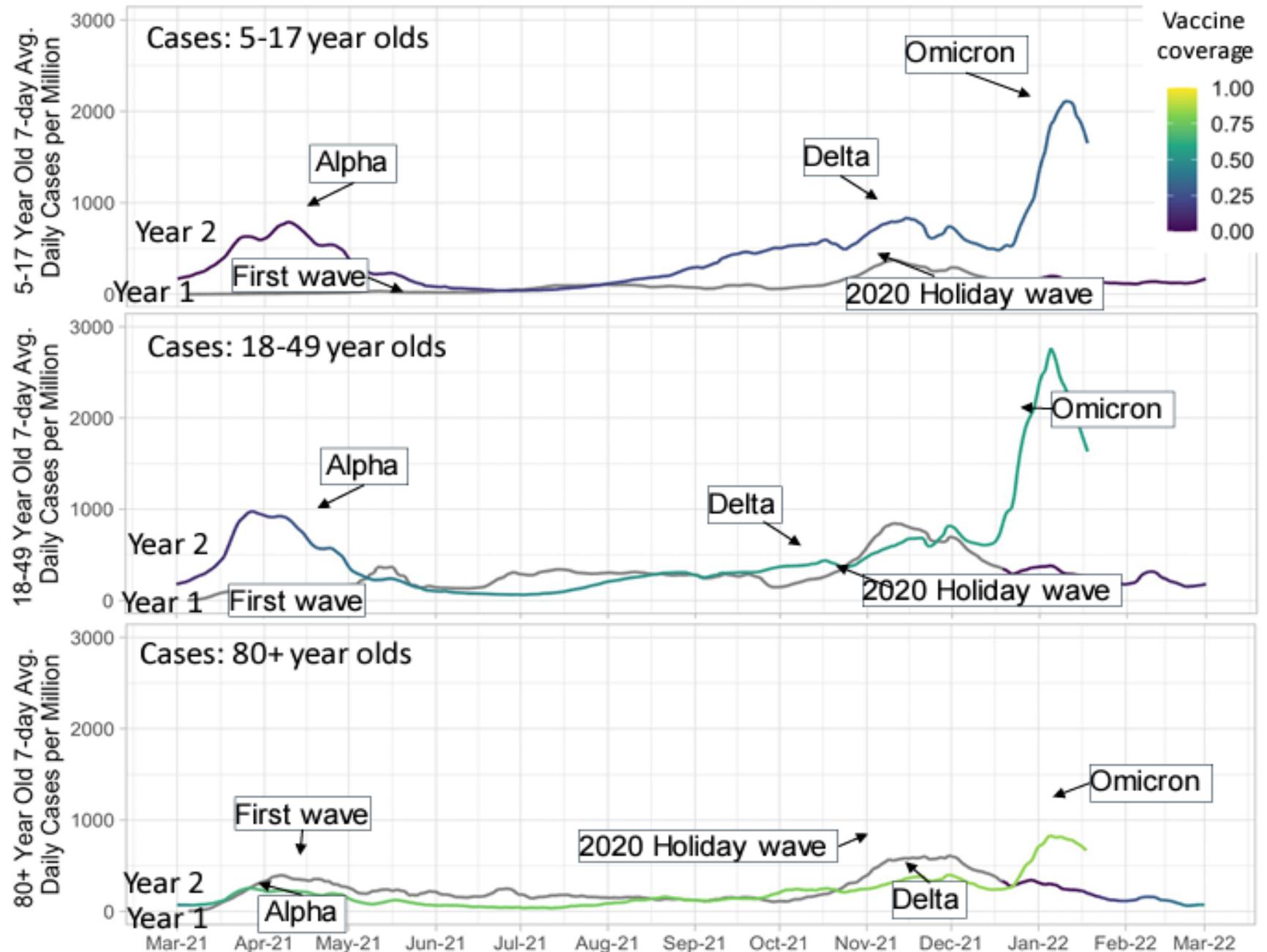
[†] Sequence specimens are from the most recent week by onset date which may change as more specimens are sent in

Michigan

Year-over-year comparisons by age group

- All age groups are seeing their highest case rates of the entire pandemic
- Vaccine coverage is lower among younger age groups compared to middle and older age groups
- Older age groups have higher vaccine coverage and relatively lower case rates in the second year of the pandemic

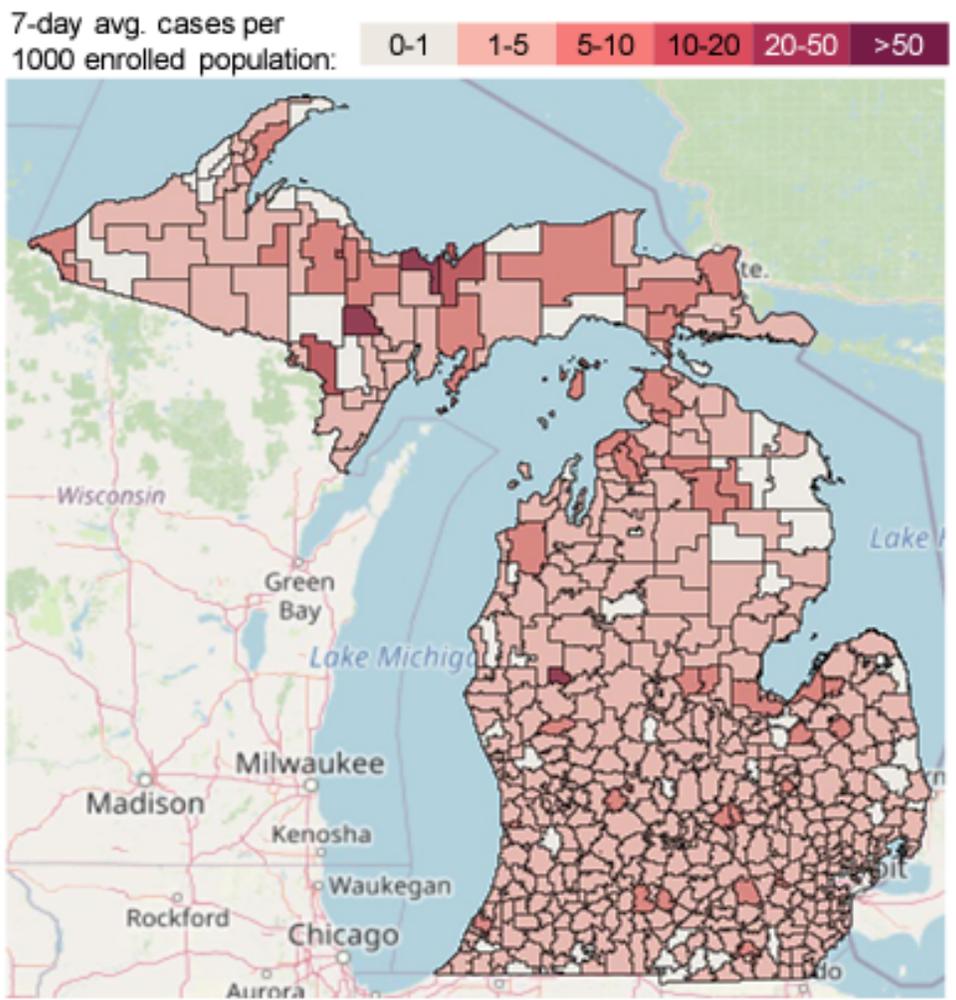
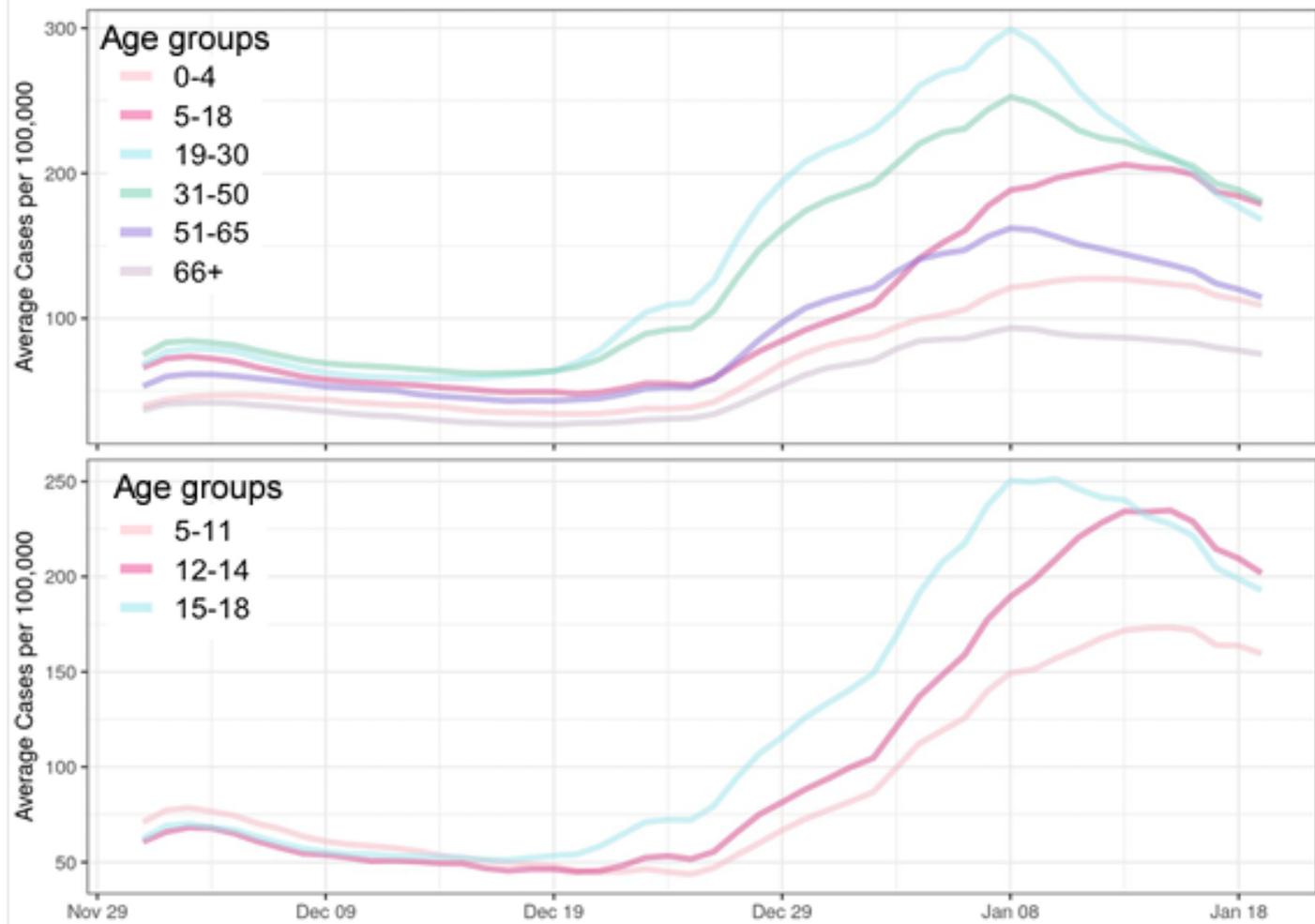
Source: MDSS and MCIR data. Note that the vaccine age groups shown as colors in this plot are 5-19, 20-49, and 75+.



Source: https://www.michigan.gov/documents/coronavirus/20211102_Data_and_modeling_update_vFINAL_740237_7.pdf

Case rates in the school-aged (5-18y) population statewide and by district

- Case rates in 5–18-year-olds have recently become more similar to 19–50-year-olds
- Case rates are currently highest among high school (15-18) and middle school (12-14) aged populations, followed by elementary school aged populations (5-11)



Sources: MDSS case data as of 1/26/2022 (data through 1/19/22), line charts use statewide age group population, map uses ISD enrolled populations from EOG mask tracker data.

Source: https://www.michigan.gov/documents/coronavirus/20211102_Data_and_modeling_update_vFINAL_740237_7.pdf

Statewide Hospitalization Trends: Pediatric COVID+ Census



Vaccines

Protect against severe outcomes

Boosters are more important than ever, and available for individuals 12+



Tests

Prevent spread

We encourage testing before gatherings, with symptoms, and after exposure

**Protect Yourself,
Protect Your
Community**

Masks, Distancing & Ventilation

Prevent spread

Well-fitting, high-quality masks in all indoor public or crowded settings are more important than ever



Treatment

Protect against severe outcomes

Oral antivirals and monoclonal antibody infusions are available

What Mask Should I Wear?

Along with getting vaccinated and boosted, experts recommend upgrading your mask if you want optimal protection.



No Mask or Improper Use

- Mask should fit over your nose and mouth and be snug against your face with no gaps
- Don't use masks that are damp, dirty or damaged
- Don't wear masks with exhalation valves, which allow virus particles to escape

Cloth Masks

- Washable and reusable. Masks should be washed at least once a day or as soon as they become dirty
- Multiple layers of woven, breathable fabric



If you don't have access to a high filtration respirator mask, double up. Single layer masks, such as bandanas and gaiters, are less effective, so wear a cloth mask with multiple layers or wear a cloth mask over a surgical mask. Be sure your mask fits properly—nose wires improve fit.

Surgical Masks

- Disposable, intended for one time use
- Multiple layers of non-woven material
- Provides protection against large droplets

High Filtration Masks

(Respirators - N95, KN95, KF94)

- Varies by mask type, but reusable up to 5 times with proper care
- Filters up to 95% of particles in the air
- Seals tightly to the face when fitted properly (some facial hair can interfere with this seal)
- Designed and regulated to meet international standards. Check lists of trusted manufacturers from CDC and Project N95 to avoid counterfeit masks

ACHD has a limited quantity of free Adult KN95 masks available at the Human Service Building, 3255 122nd Ave., Allegan 49010 for pick up .

Resources:

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

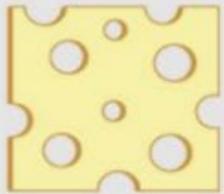
[Masks for Kids](#)

Mitigation Strategies for Schools

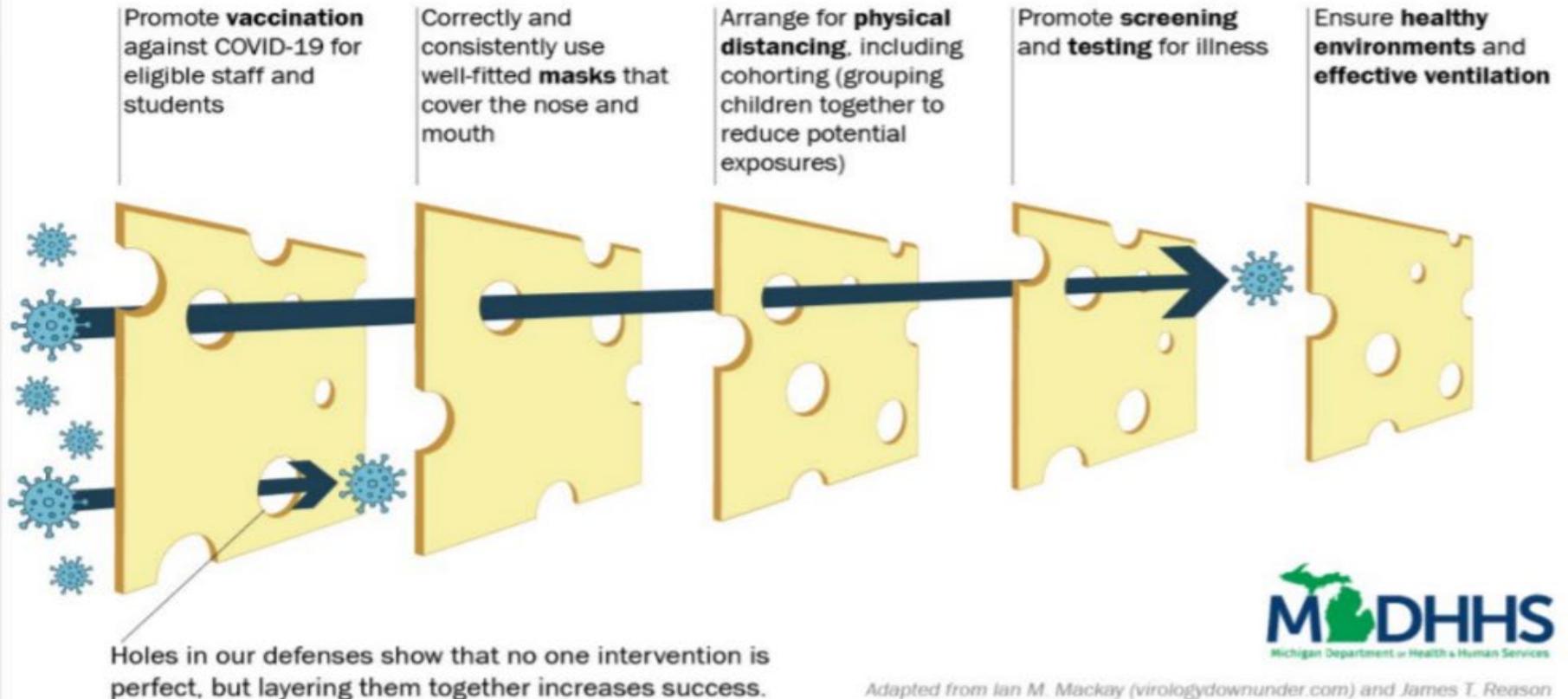
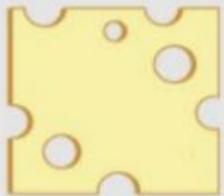
Layers of Defense Against COVID-19 in Schools

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



HEALTH
Department

Questions on the School Reports?

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