



HEALTH
Department

COVID-19 Update

June 2, 2021



Allegan County COVID-19 Dashboard

Data as of 6/1/2021

<https://alleganco.maps.arcgis.com/apps/opsdashboard/index.html#/792287b41e3f485c97f968335b45ca6e>

Two Week Snapshot

Total Cases: 412

Monitoring: 543

Deaths: 6

Hospitalizations: 17

Positivity Rate: 10.2%

Date Range: 5/06/21-5/19/21

Two Week Cases by Age

0-9: 27

10-19: 77

20-29: 78

30-39: 105

40-49: 80

50-59: 60

60-69: 50

70-79: 24

80+: 7

Unknown: 1

D-19 Dashboard

Total
11,096
Cases

2/19: Upon further investigation, cases that were marked as probable were
Last update: 2 minutes ago

Total Cases

COVID-19
147
related deaths

Last update: 2 minutes ago

Total
248
Hospitalizations

Total hospitalizations (since March 21): positive or probable COVID-19 diagnosed persons that have been hospitalized during their course of illness
Last update: 2 minutes ago

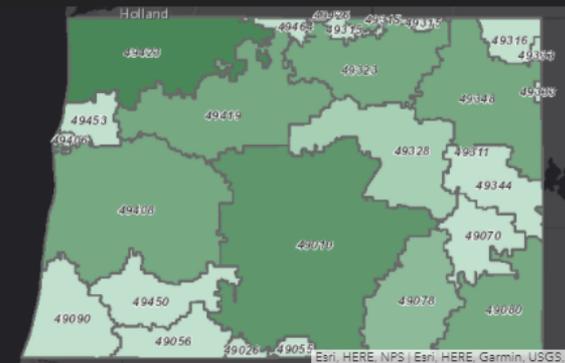
Total Tests
25,257

Last update: 2 minutes ago

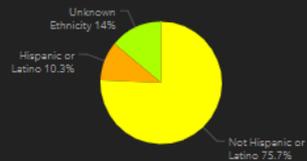
Recovered
10,383
per MDHHS definition

The number of persons with a confirmed COVID-19 diagnosis (either by lab or probable positive diagnosis) who are alive 30 days post-onset (or referral date if onset is not available).
Last update: 2 minutes ago

Cases by ZipCode



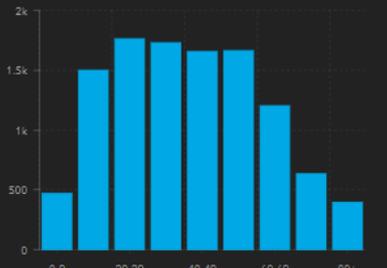
Percentage of Cases by Ethnicity



Last update: 2 minutes ago

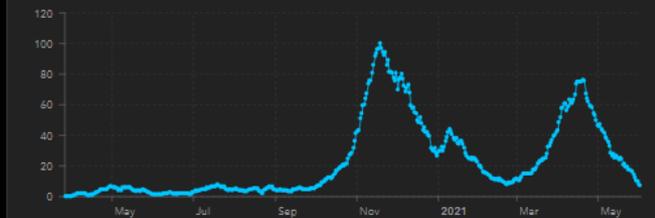
Cases by Ethnicity

COVID-19 Number of Cases by Age



Last update: 2 minutes ago

Seven Day Moving Average of New Cases per Day



Average number of cases over the past seven days based on date referred to the health department.

Last update: 2 minutes ago

7-Day Moving Average of New Cases

New Cases per Day

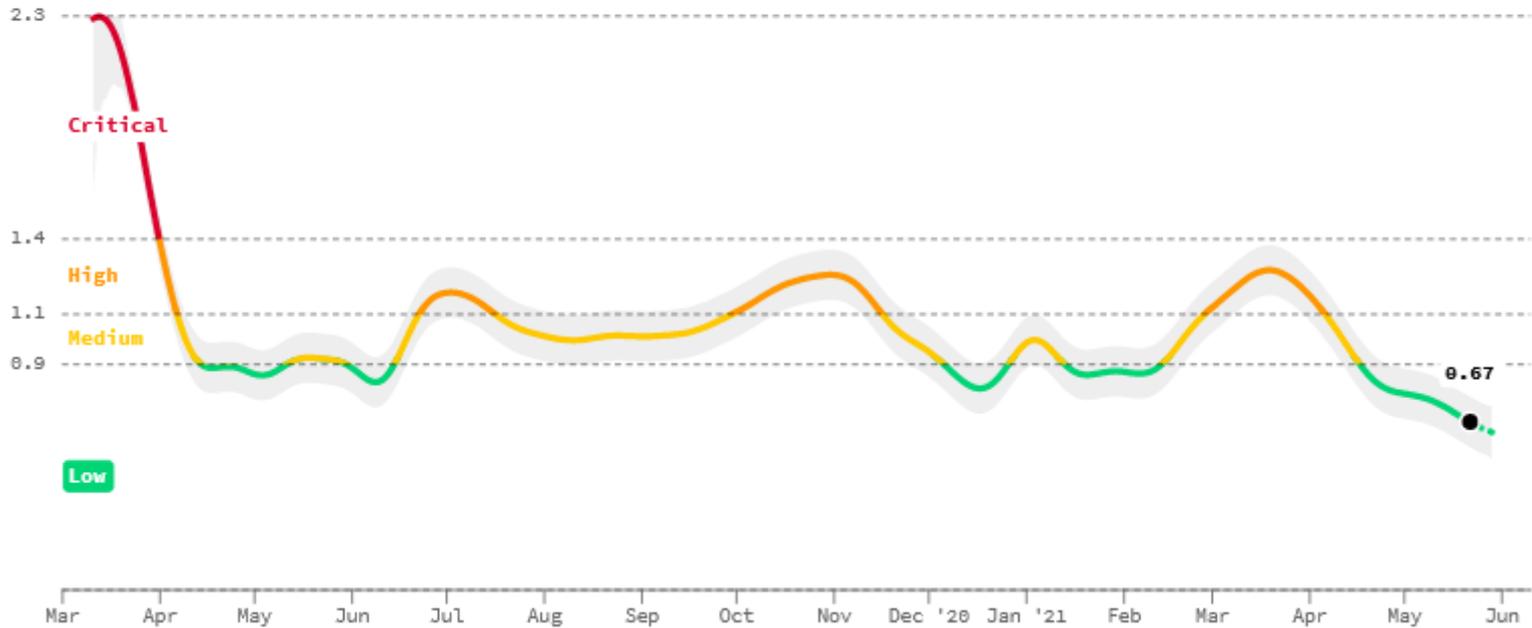
Cumulative Cases and Deaths

COVID Long-Haulers

- ▶ Most people with COVID-19 recover completely within a few weeks, but some experience lingering symptoms. Those individuals who experience symptoms more than 4 weeks after the onset of COVID-19, are often referred to as “**COVID long-haulers**” and have a condition called COVID-19 syndrome or “long COVID.”
- ▶ Nationally, there have been more than 33 million cases of COVID-19, and [research](#) suggests that **approximately 10 percent — or 3 million people** — will be considered “long-haulers”.
 - ▶ **As of 6/1, this would be about 1,100 individuals in Allegan County**
- ▶ For COVID long-haulers, persistent symptoms often include **brain fog, fatigue, headaches, dizziness and shortness of breath**, among others.
- ▶ In a recent study published in the journal [Nature](#), researchers found that **individuals with more severe disease at the start of their illness have a greater risk of long-term complications such as heart and kidney disease secondary to COVID-19.**

Infection rate ⓘ

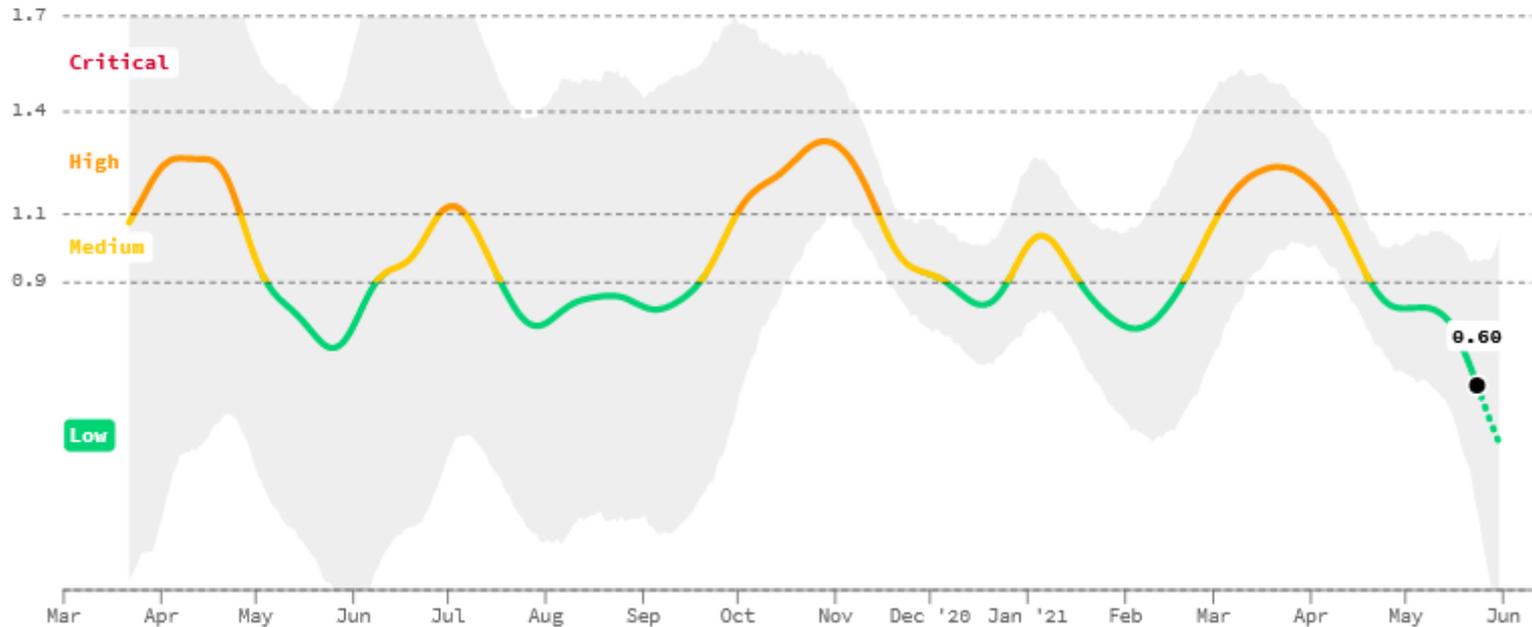
On average, each person in Michigan with COVID is infecting 0.67 other people. Because each person is infecting less than one other person, the total number of current cases in Michigan is shrinking.



Updated 6/1/2021

Infection rate ⓘ

On average, each person in Allegan County, Michigan with COVID is infecting 0.60 other people. Because each person is infecting less than one other person, the total number of current cases in Allegan County, Michigan is shrinking.



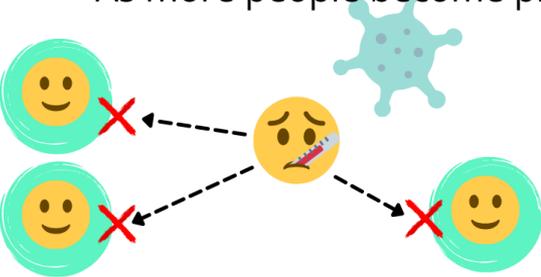
Updated 6/1/2021

COVID-19 Mass Testing and Containment

MITIGATION ROADMAP



As more people become protected, less virus is able to circulate



70% **+** ~10% **+** ~20-30%

community vaccinated natural immunity unknown infection

=

HERD IMMUNITY



Enhanced Ability to Test, <https://mistartmap.info/>

Allegheny County, data as of 5/28/2021

✓ **Test Results**
May 21 - May 28

5.9%
positive tests *

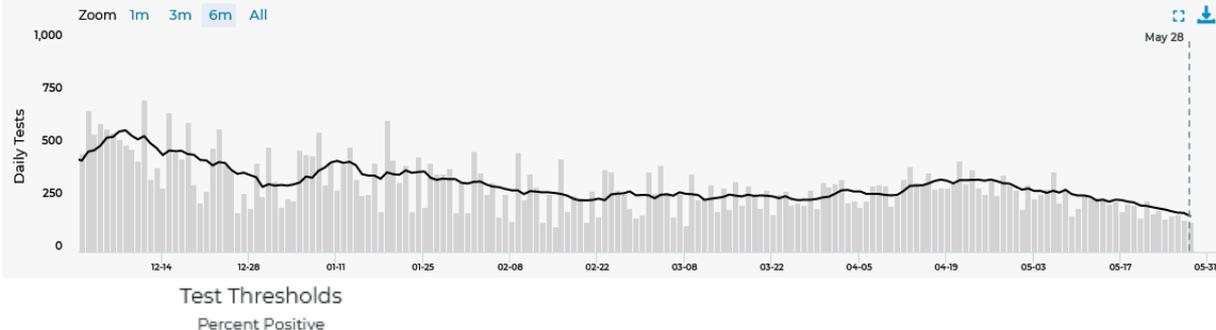
170.4
daily tests administered *

5 weeks ⓘ
Apr 20 - May 25

Daily Positive Test Rate
ALLEGHENY COUNTY



Daily Tests
ALLEGHENY COUNTY



Low: <3%

A: 3-7%

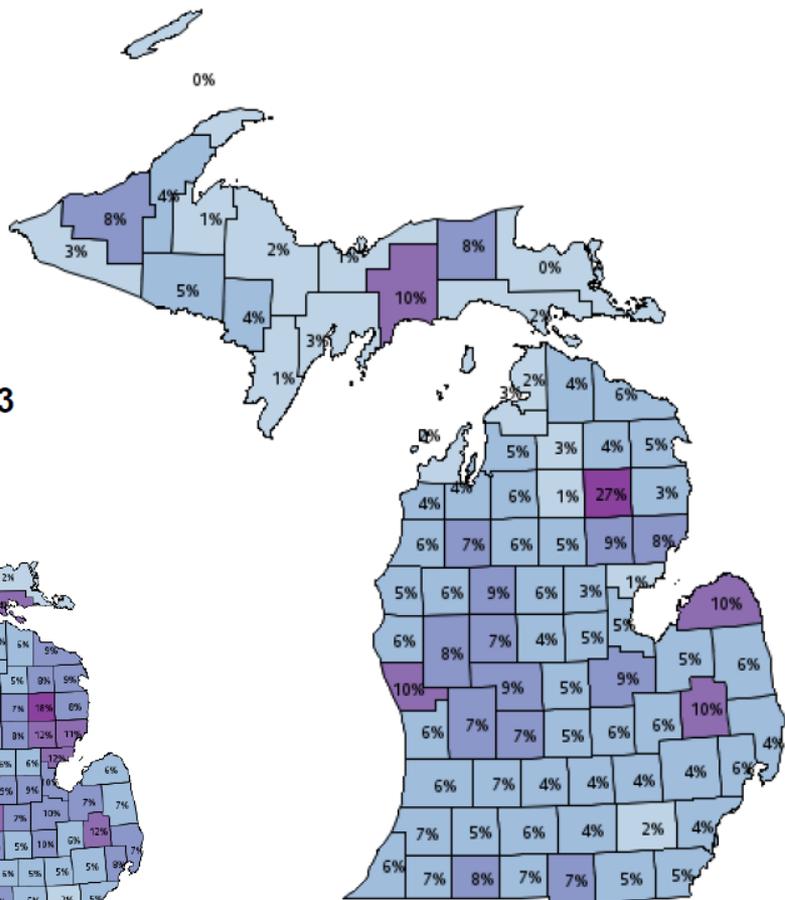
B: 7-10%

C: 10-15%

D: 15-20%

E: >=20%

Positivity by county, 5/21-5/27



Last week, 5/14-5/13

Average positivity per day

of counties

■ This week
■ Last week

| Average positivity per day | This week | Last week |
|----------------------------|-----------|-----------|
| <3% | 16 | 8 |
| 3-7% | 48 | 30 |
| 7-10% | 14 | 31 |
| 10-15% | 4 | 13 |
| 15-20% | 0 | 1 |
| >=20% | 1 | 0 |

Updates since last week:

5 of 83 counties saw double digit positivity in the last week (9 county decrease)

19 of 83 counties saw positivity > 7% in the last week (26 county decrease)

67 of 83 counties saw positivity > 3% in the last week (8 county decrease)

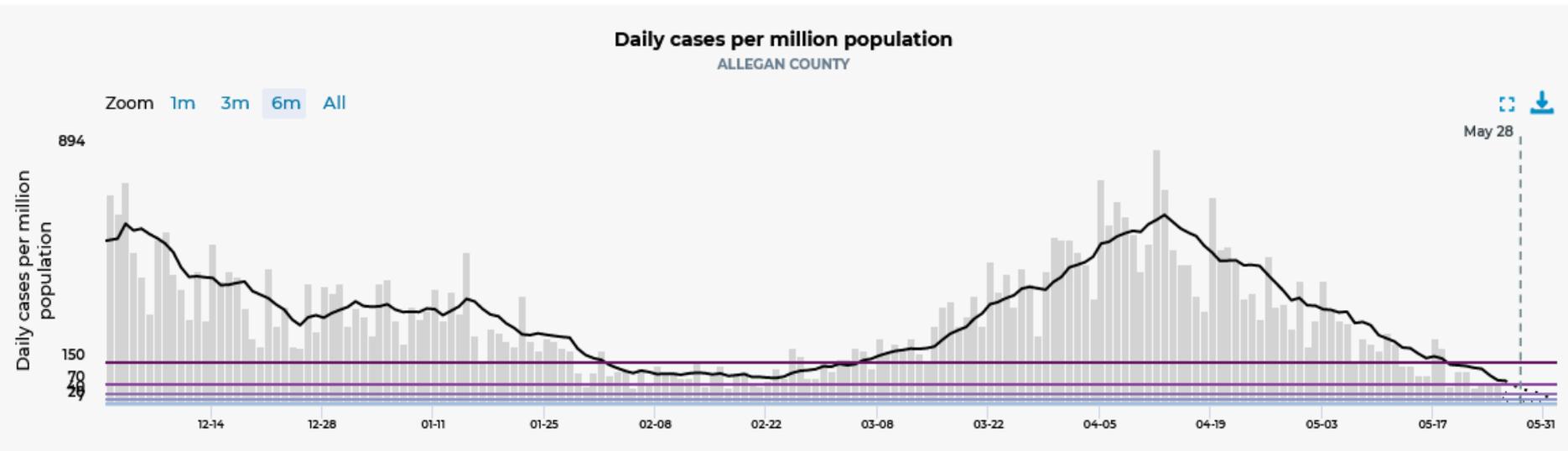
New Cases, <https://mistartmap.info/>, Allegan County, data as of 5/28/2021

✓ **New Cases**
May 21 - May 28

55.7
daily/million *

6.4
daily *

↘ **48 days** ⓘ
Apr 11 - May 28



Risk Thresholds (Cases per Million)

Low: <7

A: 7-20

B: 20-40

C: 40-70

D: 70-150

E: >=150

Comparison with Neighboring Counties, <https://m1startmap.info/>

Allegan County, data as of 5/29/2021

| AREA | REGION RISK LEVEL (MAY 29) | COUNTY RISK LEVEL (MAY 29) | DAILY CASES PER MIL. (MAY 25) | CDC CASE TREND (MAY 25) | % POSITIVE TESTS * (MAY 28) | % POSITIVE WEEKLY TREND (MAY 25) | DAILY TESTS PER MIL. (MAY 28) |
|---------------------------|-------------------------------|-------------------------------|-------------------------------------|----------------------------|--------------------------------|--|-------------------------------------|
| Allegan | D | E | 86.7 | 45d ↘ | 5.9% | 5w ↘ | 1,478.7 |
| Barry | D | D | 68.9 | 42d ↘ | 6.5% | 6w ↘ | 1,481.9 |
| Kalamazoo | D | D | 70.4 | 48d ↘ | 5.2% | 6w ↘ | 1,725.8 |
| Kent | D | D | 105.0 | 45d ↘ | 6.6% | 6w ↘ | 2,254.3 |
| Ottawa | D | D | 86.5 | 46d ↘ | 5.4% | 6w ↘ | 1,863.4 |
| Van Buren | D | D | 98.6 | 45d ↘ | 7.1% | 3w ↘ | 1,732.7 |

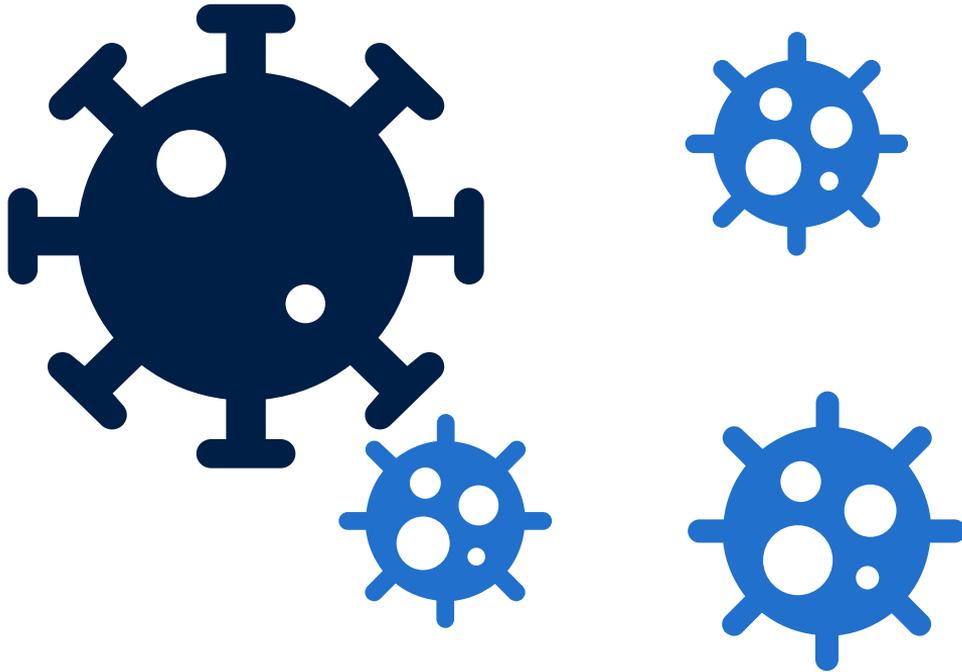
Epidemiologic Information, Allegan County

| Overall | Percent |
|--|---------|
| Healthcare Worker | 6.3% |
| Live or work in high-risk/congregate facility | 9.0% |
| First Responder | 0.9% |
| Other Essential Worker/Critical Infrastructure | 15.9% |
| Healthcare Contact to confirmed care | 0.6% |
| Community Contact to confirmed case | 10.1% |
| Household Contact to confirmed case | 17.0% |
| Total Cases: 11,098 | |

| Cases Reported in Past two weeks | Percent |
|--|---------|
| In quarantine at time of onset/positive test | 26.3% |
| Associated with known cluster/outbreak | 1.1% |
| Any Contact to confirmed case | 24.0% |
| Healthcare contact to confirmed case | 1.1% |
| Community contact to confirmed case | 6.9% |
| Household contact to confirmed case | 16.0% |
| Attended Community Event/Mass Gathering | 2.9% |
| Any Travel (international, domestic, in state) | 3.4% |
| Source of Infection is unknown | 35.4 |
| Number of cases reported in past 2 weeks: 175 | |

Clinical Information

Asymptomatic Cases: 13.2%



| Symptoms | Percent |
|---------------------------|---------|
| Fatigue/Lethargy/Weakness | 70.2% |
| Cough | 66.7% |
| Fever | 50.7% |
| Chills | 46.2% |
| Shortness of Breath | 22.6% |
| Difficulty Breathing | 15.5% |
| Muscle Aches (Myalgia) | 57.5% |
| Headaches | 68.4% |
| Runny Nose | 50.7% |
| Nausea | 24.5% |
| Congestion | 61.0% |
| Sore Throat | 43.1% |
| Diarrhea | 25.8% |
| Loss of taste | 43.1% |
| Loss of smell | 42.9% |

Data as of 6/1/2021

Source: Michigan Disease Surveillance System

Breakdown of Cases by School Age Categories

| | |
|---------------------------|-------|
| Total Case Count | 11096 |
| Number of Cases <18 years | 1608 |
| % cases <18 years | 14.5% |

Data as of 6/1/2021.

Source: Michigan Disease Surveillance System

| <u>Approximate Grade Level</u> | <u>Age</u> | <u>Case Count*</u> | <u>% total cases</u> | <u>% cases <18 years</u> |
|--------------------------------|-------------|--------------------|----------------------|-----------------------------|
| | 0-2 years | 122 | 1.1% | 7.6% |
| Pre-K age | 3-4 years | 80 | 0.7% | 5.0% |
| K-5th grade age | 5-10 years | 414 | 3.7% | 25.7% |
| 6-8th grade age | 11-13 years | 305 | 2.7% | 19.0% |
| 9-12th grade age | 14-17 years | 687 | 6.2% | 42.7% |

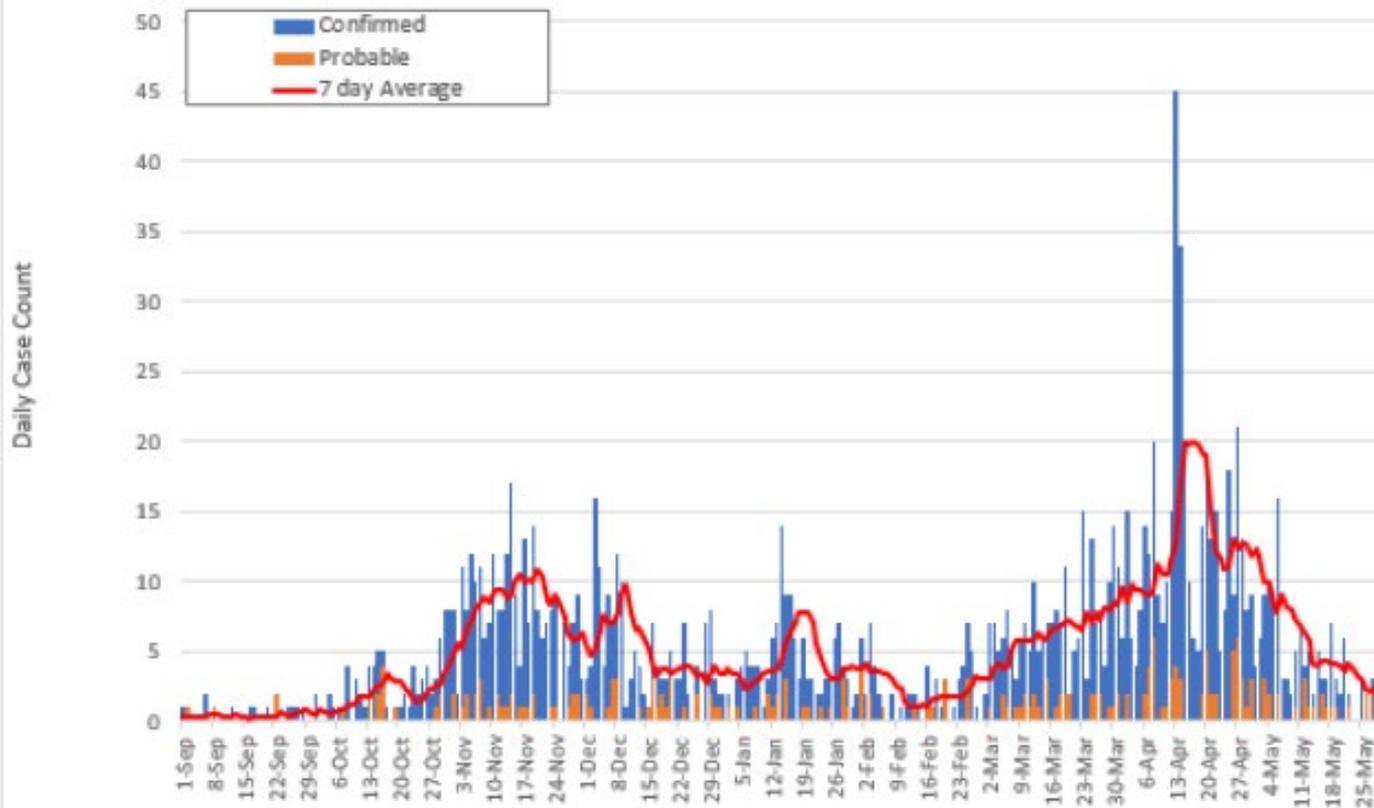
**Case counts are based on case ages, which have been grouped into approximate grade levels.*

These counts may not reflect the actual grade level of cases.

To prevent double-counting of cases, the age brackets do not overlap.

| Case count by age, data from 5/4/21-5/18/21 (2 weeks) | | | | |
|---|-----------|------------|-------------|-------------|
| 0-2 years | 3-4 years | 5-10 years | 11-13 years | 14-17 years |
| 5 | 1 | 12 | 4 | 13 |

Allegan County School Age COVID-19 Cases by Referral Date



Sufficient Health Care Capacity

Statewide Hospital Capacity Report for COVID-19* 06/01/2021**

| | Hospital Beds | Adult Hospital Beds | Hospital Inpatient Beds | Hospital Inpatient Bed Occupancy | Adult Hospital Inpatient Beds | Adult Hospital Inpatient Bed Occupancy | ICU Beds | ICU Bed Occupancy | Adult ICU Beds | Adult ICU Bed Occupancy | Total Ventilators | Mechanical Ventilators in use |
|-----------------|---------------|---------------------|-------------------------|----------------------------------|-------------------------------|--|----------|-------------------|----------------|-------------------------|-------------------|-------------------------------|
| Region 5 | 1,684 | 1,667 | 1,400 | 977 | 1,383 | 959 | 221 | 116 | 185 | 112 | 317 | 46 |
| Region 6 | 3,221 | 2,785 | 2,909 | 2,172 | 2,466 | 1,826 | 401 | 298 | 248 | 195 | 579 | 160 |

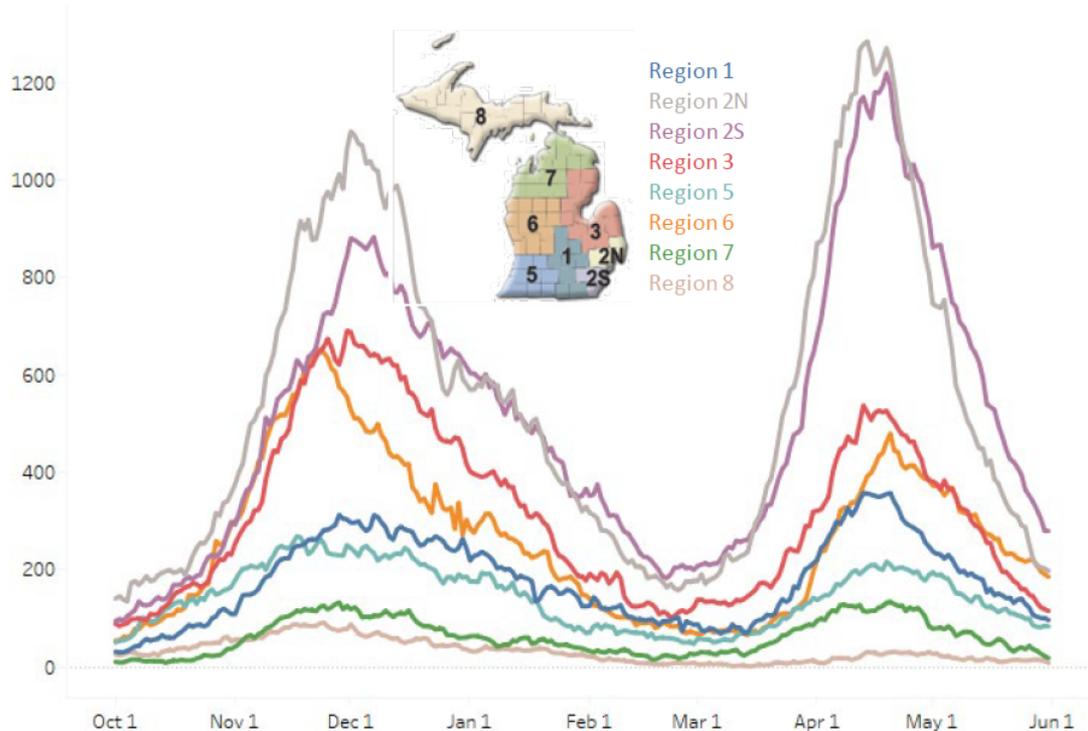
| HCC Region | Region 5 | Region 6 |
|--|----------|----------|
| Total Hospitalized Adult Suspected/Confirmed | 74 | 184 |
| Adult Confirmed-Positive COVID | 69 | 176 |
| Hospitalized Peds Confirmed/Suspected | 1 | 2 |
| Hospitalized Ped Confirmed-Positive | 1 | 2 |
| Hospitalized and Ventilated COVID | 12 | 30 |
| Adult ICU Confirmed/Suspected COVID | 22 | 49 |
| ICU Adult Confirmed-Positive COVID | 20 | 49 |
| Prev Day COVID Related ED Visits | 87 | 49 |

| Region 5 | Region 6 |
|----------|----------|
| ↓ | ↓ |
| ↓ | ↓ |
| ↓ | ↓ |
| ↑ | ↓ |
| ↓ | ↓ |
| ↓ | ↓ |
| ↓ | ↓ |

COVID-19 Metrics
6/1/21, by HCC Region

Statewide Hospitalization Trends: Regional COVID+ Census

Hospitalization Trends 10/1/2020– 5/31/2021
Confirmed Positive by Region



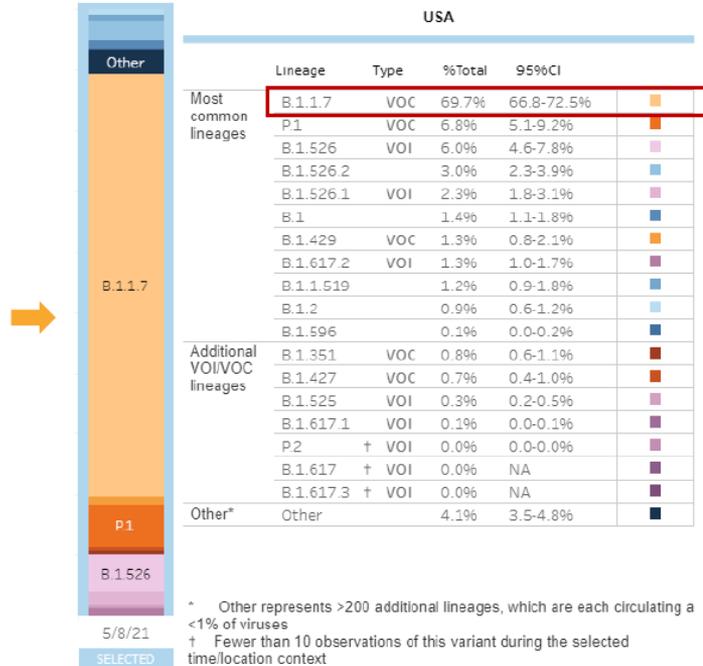
All regions show decreasing hospitalization trends this week.

All regions are now below 150/M hospitalized, with only 3 regions (Regions 2S, 3 and 6) above 100/M hospitalized.

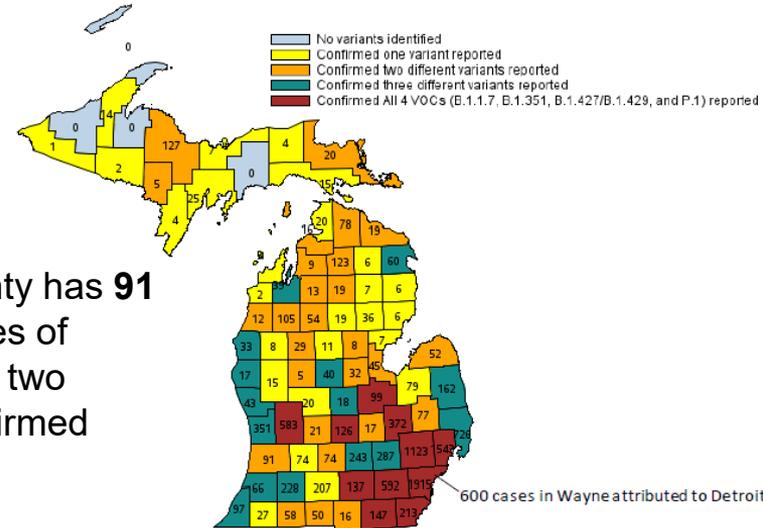
| Region | COVID+ Hospitalizations (% Δ from last week) | COVID+ Hospitalizations / MM |
|-----------|--|------------------------------|
| Region 1 | 96 (-31%) | 89/M |
| Region 2N | 197 (-32%) | 89/M |
| Region 2S | 279 (-29%) | 125/M |
| Region 3 | 115 (-28%) | 101/M |
| Region 5 | 83 (-20%) | 87/M |
| Region 6 | 185 (-16%) | 126/M |
| Region 7 | 18 (-55%) | 36/M |
| Region 8 | 8 (-38%) | 26/M |

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

SARS-CoV-2 Variants Circulating in the United States, Apr 25 – May 8



Variants of Concern in Michigan, Jun 1



| Variant | MI Reported Cases [¶] | # of Counties | CDC est. prevalence |
|-----------------|--------------------------------|---------------|---------------------|
| B.1.1.7 | 11,110* | 79 | 81.2% |
| B.1.351 | 67 | 20 | 0.4% |
| B.1.427/B.1.429 | 299 | 42 | 1.1% |
| P.1 | 234 | 28 | 2.3% |

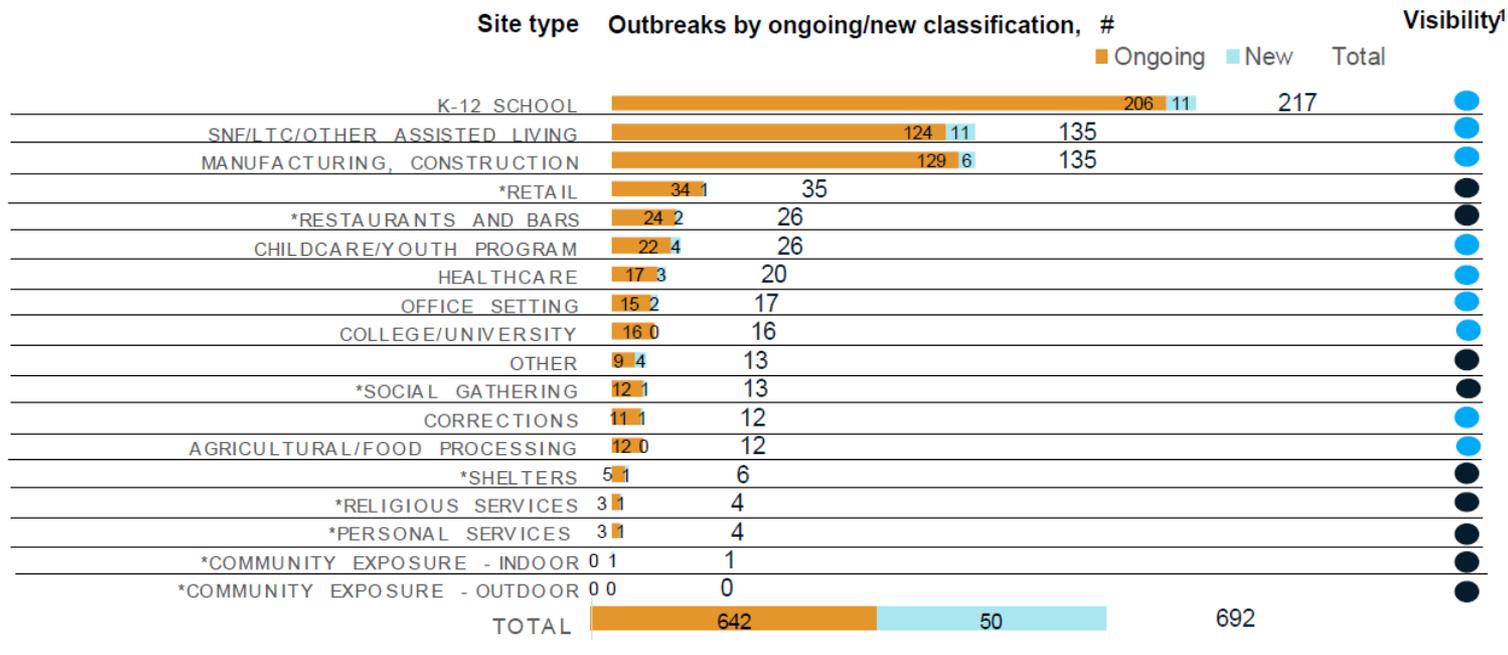
* 533 cases within MDOC; ¶ Numerous cases with county not yet determined

Number of outbreak investigations by site type, week ending May 27

Pre-decisional, for discussion only

Draft

- Easier to identify outbreak
- Harder to identify outbreak



Total number of active outbreaks is down from previous week

Following K-12 (11), the greatest number of new outbreaks were reported in SNF/LTC (11), and manufacturing/construction (6)

LHDs reported new outbreaks in all settings except in College and Universities, Agriculture and Food Processing, and Outdoor Community Exposures.

1. Based on a setting's level of control and the extent of time patrons/residents spend in the particular setting, different settings have differing levels of ability to ascertain whether a case derived from that setting

NOTE: Many factors, including the lack of ability to conduct effective contact tracing in certain settings, may result in significant underreporting of outbreaks. This chart does not provide a complete picture of outbreaks in Michigan and the absence of identified outbreaks in a particular setting in no way provides evidence that, in fact, that setting is not having outbreaks.

Source: LHD Weekly Sitreps



Beginning June 1:



- There will no longer be capacity limits outdoors.
- There will no longer be capacity limits at residential gatherings.
- Indoor establishments will be at 50% capacity.
- Social gatherings will now be regulated only by the venue.
 - *For example, guidelines or rules for an indoor wedding or conference would be set by the establishment in which it is hosted.*
- Face masks continue to be required for non-vaccinated individuals indoors.



Beginning July 1, all broad epidemic orders will be lifted.

MIOSHA Updated COVID-19 Emergency Rules

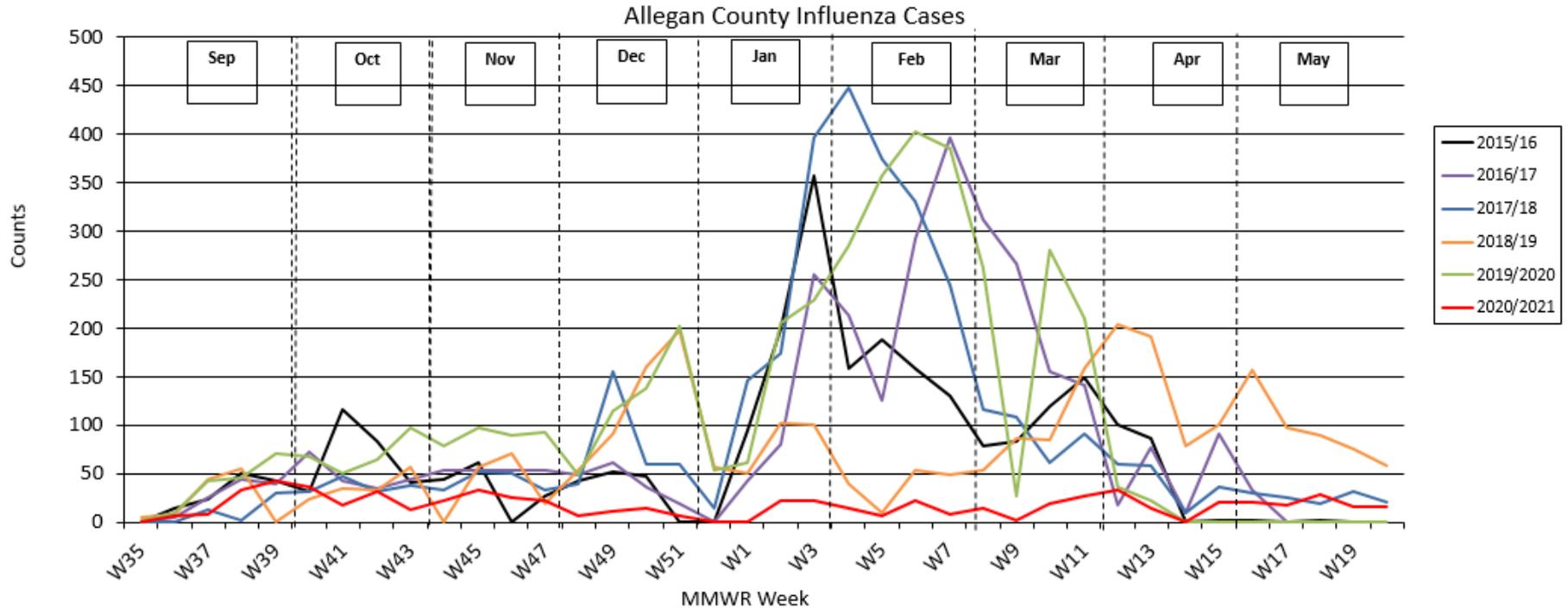
Changes include:

- ▶ Employers may allow fully vaccinated employees to not wear face coverings and social distance provided they have a policy deemed effective to ensure non-vaccinated individuals continue to follow these requirements.
- ▶ The rules have been reformed focusing on performance, eliminating industry-specific requirements. Definitions have been updated to more clearly reflect changes in close contact and quarantining requirements for fully vaccinated employees.
- ▶ Cleaning requirements have been updated to reflect changes in CDC recommendations.
- ▶ Employers should continue to have and implement a written COVID-19 preparedness and response plan in accordance with the updated rules.
- ▶ [Read more](#)

What will happen when the broad MDHHS Epidemic Orders are lifted on July 1?

- ▶ There are still actions that will help mitigate transmission of the virus that we all should still practice, regardless of epidemic orders being lifted on July 1. **These actions will help prevent the virus from resurging.**
- ▶ Until we have reached herd immunity, the virus is still going to circulate in the community.
- ▶ **Public Health will continue to provide appropriate mitigations measures similar to what we do with other reportable diseases.**
- ▶ ACHD will still have mandated quarantines and isolations and will identify close contacts.
 - ▶ This is a similar approach to other communicable diseases that can affect agencies– such as chicken pox, measles, and pertussis.
- ▶ It is a person's individual choice to get vaccinated

Mitigation strategies work



CDC Guidance for Operating Youth Camps

- ▶ Updated on 5/28/2021
- ▶ [Updates](#) include
 - ▶ Sections on
 - Promoting vaccination, planning and preparing for camp, information on [choosing safer activities](#).
 - ▶ Added guidance for camps where everyone is fully vaccinated.
 - ▶ Updated guidance for camps where not everyone is fully vaccinated.
- ▶ Updated guidance on outdoor mask usage.
- ▶ Updated information on trips outside of camp.

COVID-19 Vaccine Updates

5 VACCINE STRATEGIES



Get more people vaccinated

Expand capacity as much as possible, prioritizing those vulnerable to severe disease and exposure and ensuring equity throughout process



Build a robust network of vaccination sites

Ensure all Allegan County community has equitable access to vaccines



Promote efficiency in vaccine delivery and administration

Maximize MDHHS local allocation of vaccine while driving towards eliminating disparities in vaccine administration and maximizing operational efficiency



Mobilize personnel to maximize vaccination efforts

Leverage human resource capital and partnerships to support vaccination efforts

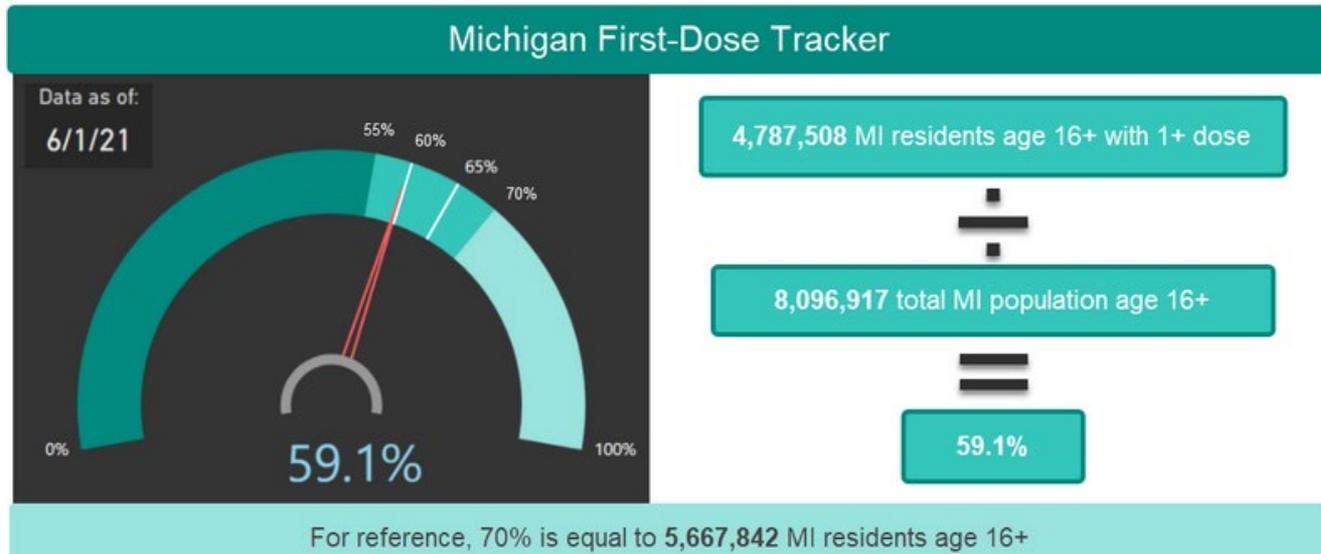


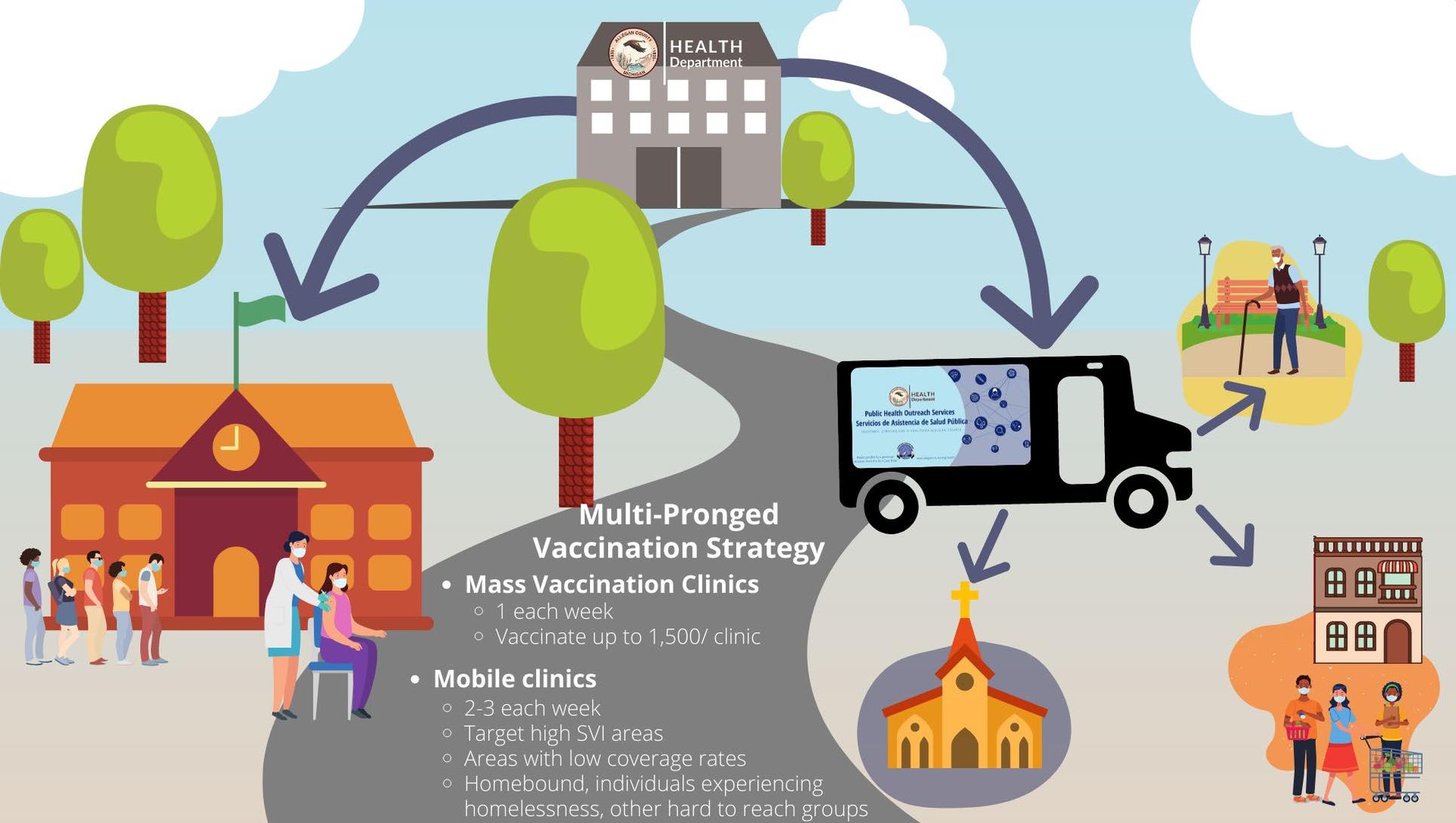
Empower people with information to gain confidence to get vaccinated

Build a targeted communication effort that aligns with MDHHS to assure Allegan County communities have access to timely, accurate, and understandable information on vaccines.

MI Vacc to Normal

- ▶ Step 1 achieved: 55% of Michiganders (4,453,304 residents), plus two weeks
 - ▶ Allows in-person work for all sectors of business



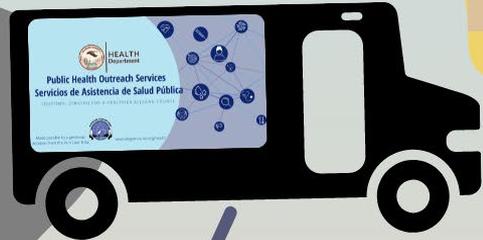


HEALTH Department



Multi-Pronged Vaccination Strategy

- **Mass Vaccination Clinics**
 - 1 each week
 - Vaccinate up to 1,500/ clinic
- **Mobile clinics**
 - 2-3 each week
 - Target high SVI areas
 - Areas with low coverage rates
 - Homebound, individuals experiencing homelessness, other hard to reach groups



Demand for Vaccine has decreased

- ▶ In Allegan County, our demand for vaccine has gone down
 - ▶ We had clinics where we were vaccinating 1,500 people, now our clinics are 100-200
 - ▶ Allegan County is focusing on **Vaccine Convenient** using Mobile Clinic. For interested organizations, complete this [interest form](#).



Vaccine Breakthrough Cases

- ▶ Vaccine breakthrough cases are expected. COVID-19 vaccines are effective and are a critical tool to bring the pandemic under control. However, no vaccines are 100% effective at preventing illness in vaccinated people.
- ▶ There will be a small percentage of fully vaccinated people who still get sick, are hospitalized, or die from COVID-19.
 - ▶ As of May 18, there are 0.15% reported vaccine breakthrough cases in Allegan County.
- ▶ There is some evidence that vaccination may make illness less severe for those who are vaccinated and still get sick.
- ▶ To date, no unexpected patterns have been identified in the case demographics or vaccine characteristics among people with reported vaccine breakthrough infections.

Myocarditis and Pericarditis Following mRNA COVID-19 Vaccination

- ▶ Since April 2021, there have been increased reports to the [Vaccine Adverse Event Reporting System \(VAERS\)](#) of cases of inflammation of the heart—called [myocarditis](#) and [pericarditis](#)—happening after mRNA COVID-19 vaccination (Pfizer-BioNTech and Moderna) in the US.
 - ▶ These reports are rare
 - ▶ Most patients who received care responded well to medicine and rest and quickly felt better.
- ▶ **Cases reported to VAERS have occurred:**
 - ▶ Mostly in male adolescents and young adults age 16 years or older
 - ▶ More often after getting the second dose of one of these two COVID-19 vaccines than after the first dose
 - ▶ Typically within several days after COVID-19 vaccination
- ▶ There are no known reports of myocarditis and pericarditis following mRNA vaccine in Allegan County

FYI- Fake COVID-19 Vaccine Cards

- ▶ MDHHS has received reports of individuals selling false COVID-19 vaccination record cards and that these cards may be presented at provider offices, local health departments, and other vaccination locations.
- ▶ To report suspicious activity involving fake vaccination record cards, please contact the appropriate government agency in your state or jurisdiction, HHS-OIG (1-800-HHS-TIPS or www.oig.hhs.gov); or the Internet Crime Complaint Center (www.ic3.gov).



Allegan County VACCINE DATA

Updated 6/1/21
Data as of 5/28/21

51.9%



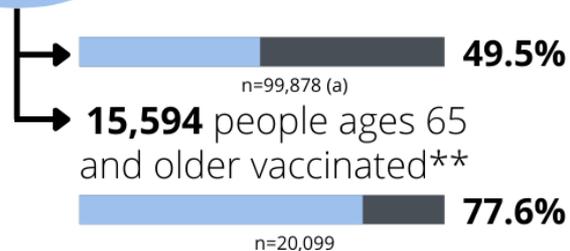
0 individuals aged 16+

93,149 individuals aged 16+

70% OF ELIGIBLE INDIVIDUALS* VACCINATED BY END OF 2021

*Allegan County residents age 16+

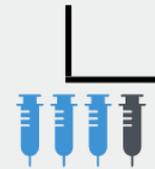
As of May 28, **49,410** people have been vaccinated**



**Individuals given at least 1 dose of vaccine. On 5/18, we began including the population 12 years and older. a) 2019 American Community Survey (ACS) population estimates for 12+ in Allegan County



About 3 in 7 Allegan County individuals are fully vaccinated (43.3%).



About 3 in 4 Allegan County individuals aged 65 and older are fully vaccinated (72.9%).

Fully Vaccinated: Individuals (12 years and older) receiving 2 doses of Pfizer or Moderna or 1 dose of J&J.

Total Doses Distributed*

75,130

*includes 1st and 2nd doses. Based on allocation process established by MDHHS to each county.

Total Doses Administered*

88,757

*includes 1st and 2nd doses and based on person's residence.

PLANNED CLINICS

3
Clinics

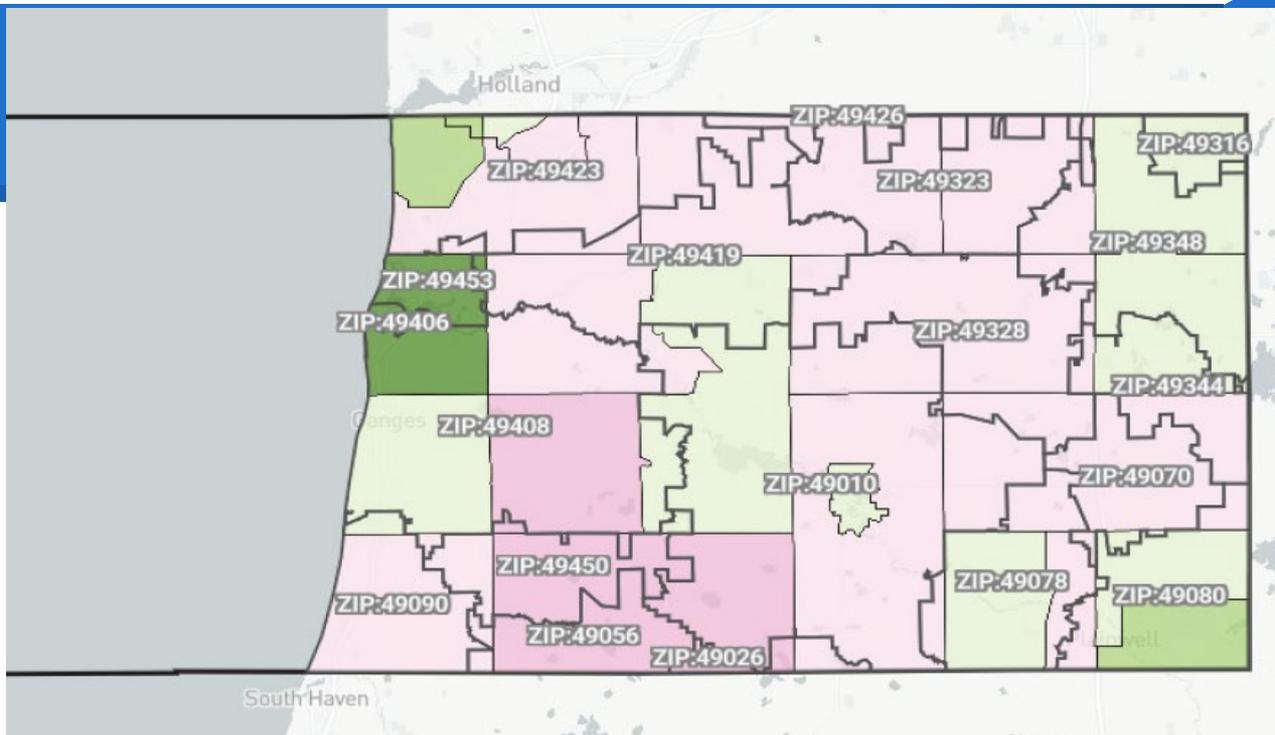
May 30, 2021 to June 5, 2021

900
First and second doses

Note: Our goal of vaccinating 70% of the population accounted for the 16 and older population. With increasing the eligibility population, our vaccine coverage decreased. We are continuing to strive towards our goal of vaccinating 70% of residents 16 and older, which will reflect on the gauge at the top of this graphic.
6/1/2021 Update: Previous vaccine graphics included 96,451 as the population of Allegan County residents 12 years and older. After further review, 99,878 is a more accurate population estimation.



HEALTH Department



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

0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% >90% <150 Population



Now anyone aged 12*+ can get the COVID-19 vaccine.

Appointment and Walk-in Availability!

**Parental/legal guardian consent required for minors.*

Upcoming Clinics

MOBILE UNIT: Thursday, June 3 | 4:30pm to 7:00pm

Martin United Methodist Church, 969 E. Allegan St., Martin

No appointment needed - Walk-ins welcome!

MOBILE UNIT: Friday, June 4 | 2:00pm to 5:00pm

Chrysalis Services & Rogue Dreams,
1247 Lincoln Rd., Suite B, Allegan

No appointment needed - Walk-ins welcome!

Saturday, June 5 | 9:00am to 12:00pm

Allegan High School

No appointment needed - Walk-ins welcome!



HEALTH
Department

Secure your appointment by visiting
www.allegancounty.org/covid

SHARE: Upcoming COVID-19 Vaccine Clinics * for anyone 12 years and older:

- ▶ MOBILE UNIT: Thursday, June 3 at Martin United Methodist Church, 969 E. Allegan St., Martin (4:30pm-7pm): <https://ph-allegan.as.me/MartinUnitedMethodistChurchCOVIDVaccination4567>
- ▶ MOBILE UNIT: Friday, June 4 at Chrysalis Services & Rogue Dreams, 1247 Lincoln Rd., Suite B, Allegan (2pm-5pm): <https://ph-allegan.as.me/ChrysalisServicesCOVIDVaccination4567>
- ▶ Saturday, June 5 at Allegan High School (9am-12pm): <https://ph-allegan.as.me/nwlkbcfrd>
- ▶ *Minors ages 12-17 will need a parent or legal guardian to accompany them to their appointment or be available by phone in order to provide consent to receive the COVID-19 vaccine. For those 18 and older the vaccine offered depends on supply.



Questions?