



**HEALTH**  
Department

# COVID-19 Update

May 19, 2021



# Allegan County COVID-19 Dashboard

Data as of 5/18/2021

<https://alleganco.maps.arcgis.com/apps/opsdashboard/index.html#/792287b41e3f485c97f968335b45cabe>

## Two Week Snapshot

Total Cases: 652  
 Monitoring: 739  
 Deaths: 8  
 Hospitalizations: 14  
 Positivity Rate: 13.7%  
 Date Range: 4/22/21-5/05/21

## -19 Dashboard

Total  
**10,882**  
 Cases

2/19: Upon further investigation, cases that were marked as probable were  
 Last update: a few seconds ago  
 Total Cases

COVID-19  
**140**  
 related deaths

Last update: a few seconds ago

Total  
**236**  
 Hospitalizations

Total hospitalizations (since March 21): positive or probable COVID-19 diagnosed persons that have been hospitalized  
 Avoided their source of illness  
 Last update: a few seconds ago

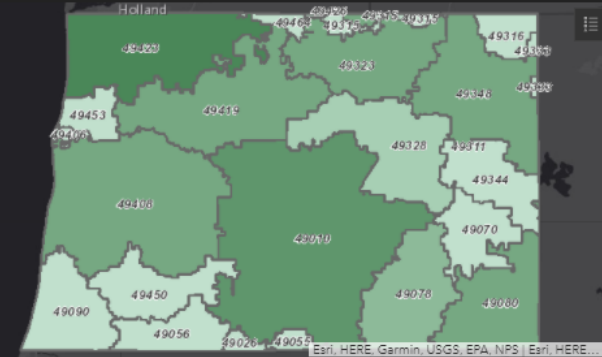
Total Tests  
**25,612**

Last update: a few seconds ago

Recovered  
**9,672**  
 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: a few seconds ago

## Cases by ZipCode

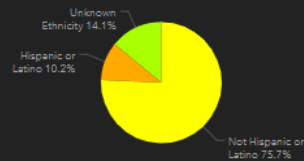


## Two Week Cases by Age

0-9: 49  
 10-19: 126  
 20-29: 111  
 30-39: 107  
 40-49: 100  
 50-59: 86  
 60-69: 49  
 70-79: 16  
 80+: 8  
 Unknown: 0

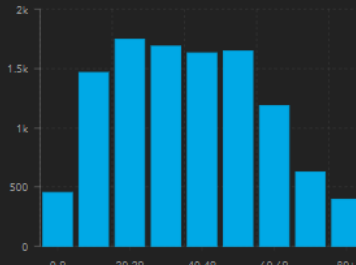
2 days ago

## Percentage of Cases by Ethnicity



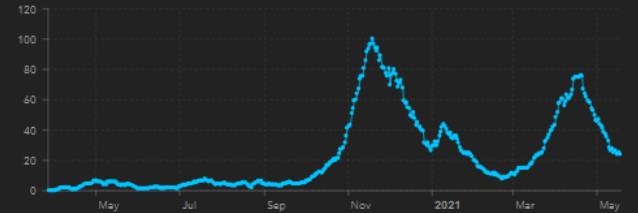
Last update: a few seconds ago

## COVID-19 Number of Cases by Age



Last update: a few seconds ago

## Seven Day Moving Average of New Cases per Day



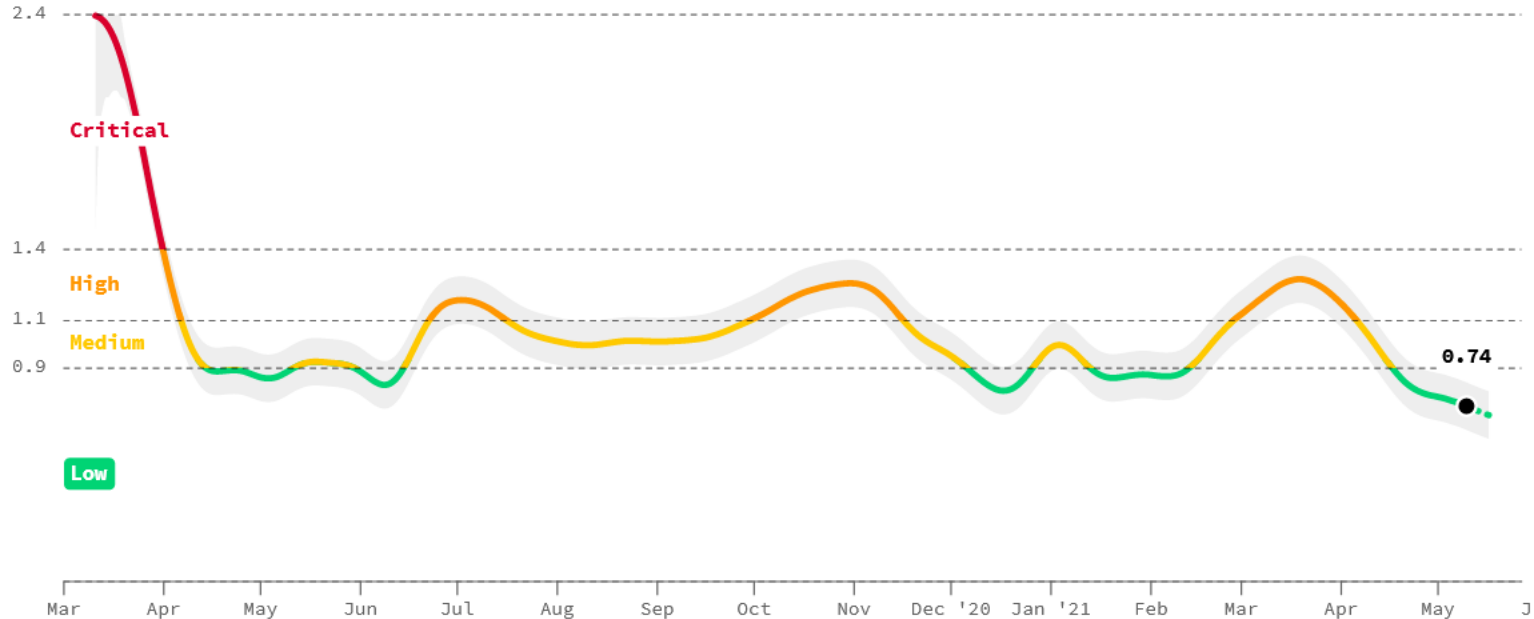
Average number of cases over the past seven days based on date referred to the health department.

Last update: a few seconds ago

7-Day Moving Average of New Cases | New Cases per Day | Cumulative Cases and Deaths

## Infection rate ⓘ

On average, each person in Michigan with COVID is infecting 0.74 other people. Because each person is infecting less than one other person, the total number of current cases in Michigan is shrinking.



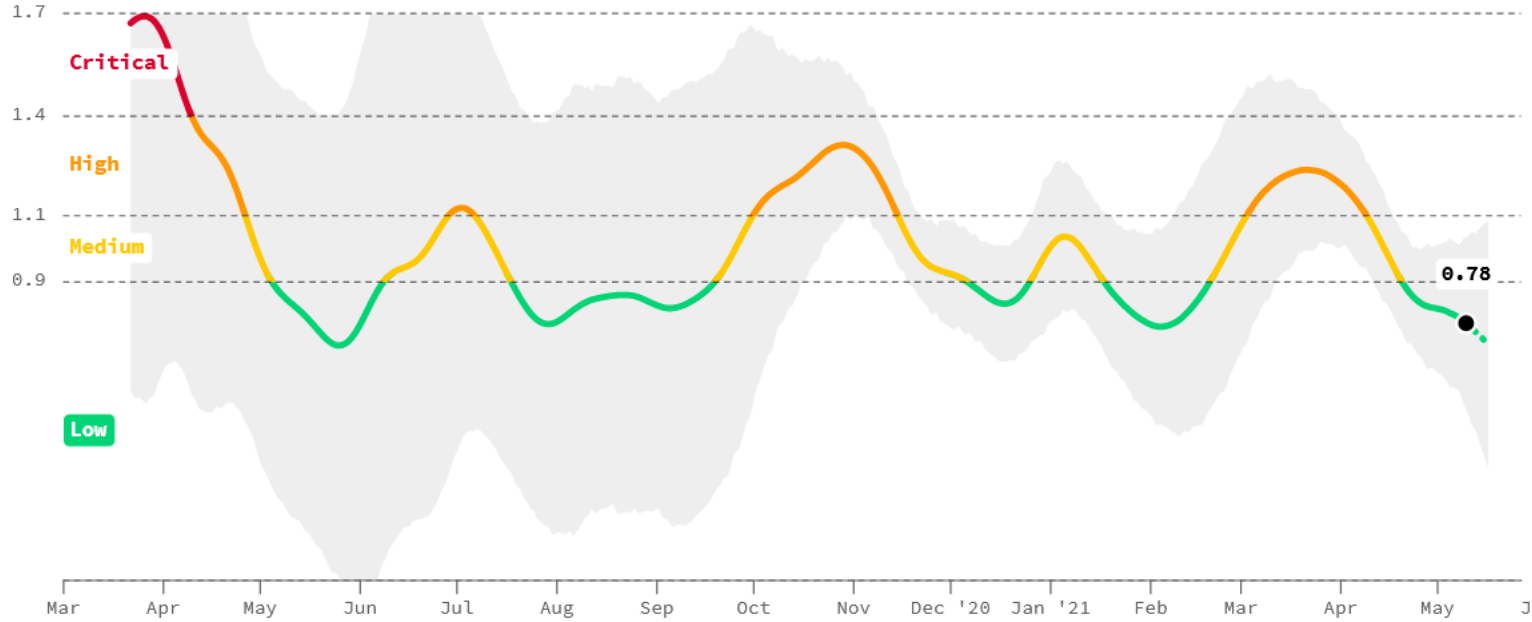
Learn more about [where our data comes from](#) and [how we calculate our metrics](#).

Share 

Updated 5/18/2021

## Infection rate ⓘ

On average, each person in Allegan County, Michigan with COVID is infecting 0.78 other people. Because each person is infecting less than one other person, the total number of current cases in Allegan County, Michigan is shrinking.



[Learn more about where our data comes from and how we calculate our metrics.](#)

Share 

Updated 5/18/2021

# COVID-19 Mass Testing and Containment

## MITIGATION ROADMAP



## INCIDENT ACTION PLAN OBJECTIVES

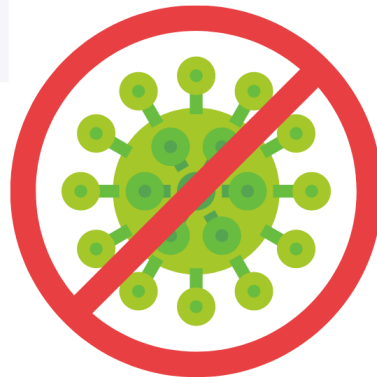
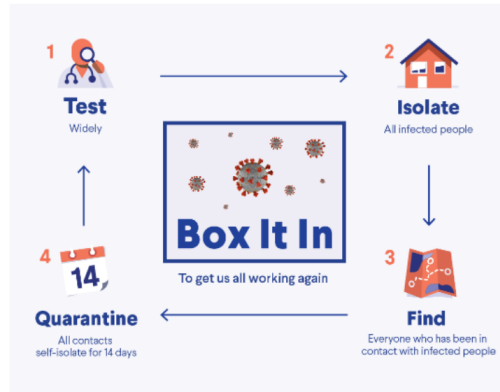
1. Identify cases, isolate the sick, quarantine the exposed, and protect vulnerable populations  
  
Provide information to the public, media, and County staff to increase public awareness, address misinformation, and protect the public and increase community resiliency
2. Prepare, mitigate, and recover from widespread transmission in Allegan County

## STATE & LOCAL ORDERS

Michigan Public Health Code



## EPIDEMIOLOGICAL MODEL



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

Allegheny County, data as of 5/15/2021

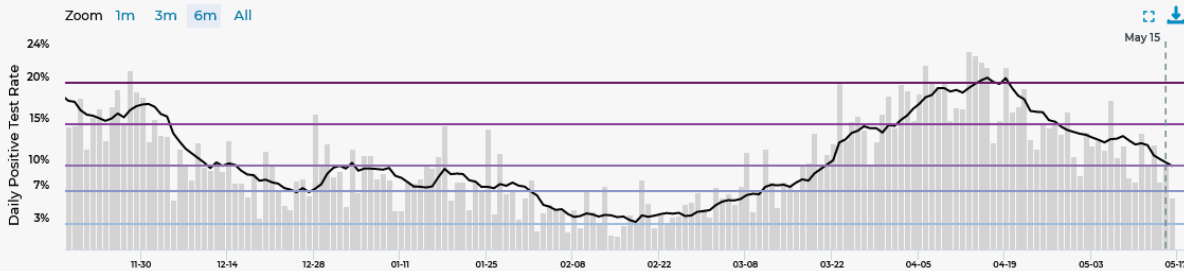
## Test Results

10.4%  
positive tests \*

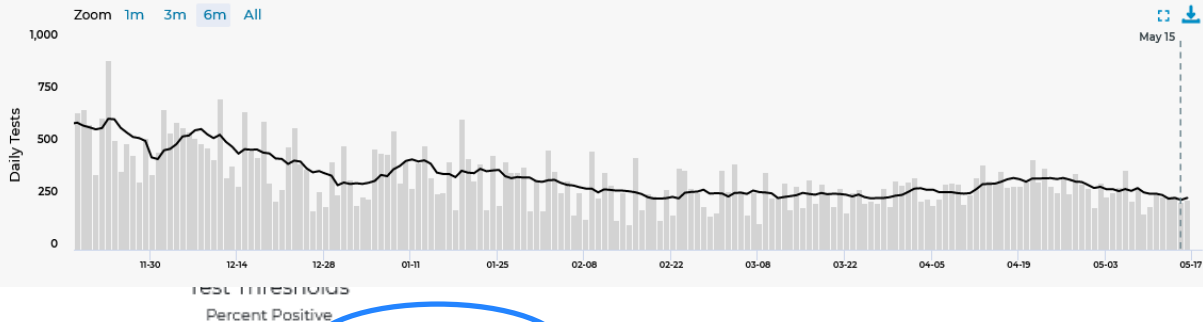
238.4  
daily tests  
administered \*

3 weeks ⓘ  
Apr 20 - May 11

Daily Positive Test Rate  
ALLEGANY COUNTY



Daily Tests  
ALLEGANY COUNTY



Low: <3%

A: 3-7%

B: 7-10%

C: 10-15%

D: 15-20%

E: >=20%

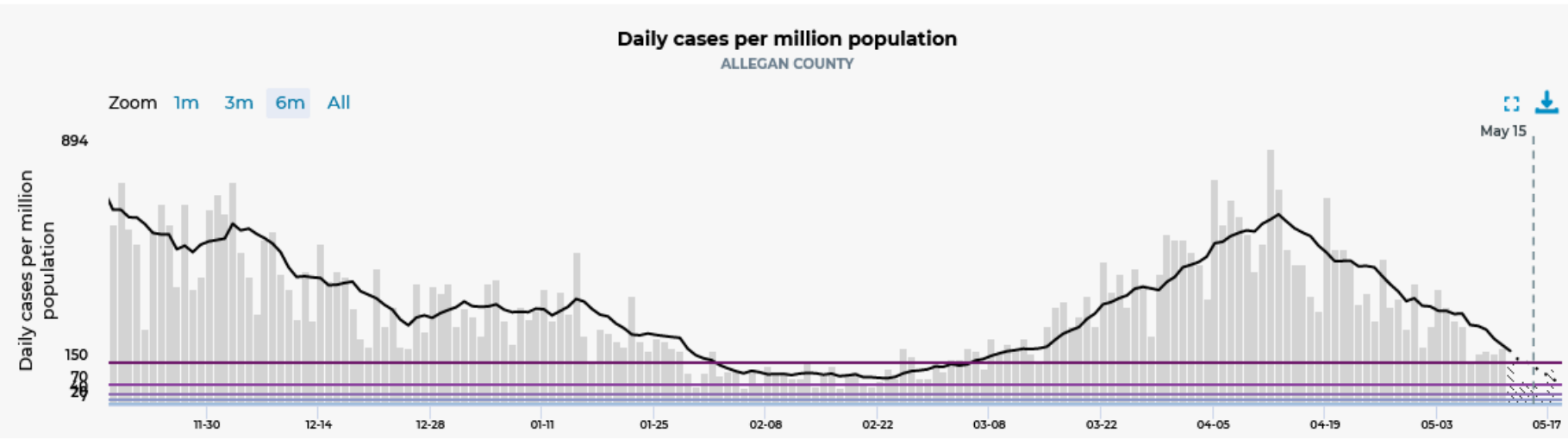
# New Cases, <https://mistartmap.info/>, Allegan County, data as of 5/15/2021

✓ New Cases

136.3  
daily/million \*

15.7  
daily \*

↘ 35 days ⓘ  
Apr 11 - May 15



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 5/18/2021

AREA	REGION RISK LEVEL (MAY 15)	COUNTY RISK LEVEL (MAY 18)	DAILY CASES PER MIL. (MAY 11)	CDC CASE TREND (MAY 11)	% POSITIVE TESTS (MAY 16)	% POSITIVE WEEKLY TREND (MAY 11)	DAILY TESTS PER MIL. (MAY 16)
<a href="#">Allegan</a>	E	E	210.7	31d ↘	10.0%	3w ↘	2,151.8
<a href="#">Barry</a>	E	E	252.1	28d ↘	11.6%	4w ↘	1,993.3
<a href="#">Kalamazoo</a>	E	E	179.6	34d ↘	8.1%	4w ↘	2,651.5
<a href="#">Kent</a>	E	E	229.0	30d ↘	9.5%	4w ↘	3,102.1
<a href="#">Ottawa</a>	E	E	234.3	31d ↘	11.7%	4w ↘	2,743.1
<a href="#">Van Buren</a>	E	E	168.9	31d ↘	8.4%	1w ↘	2,317.3



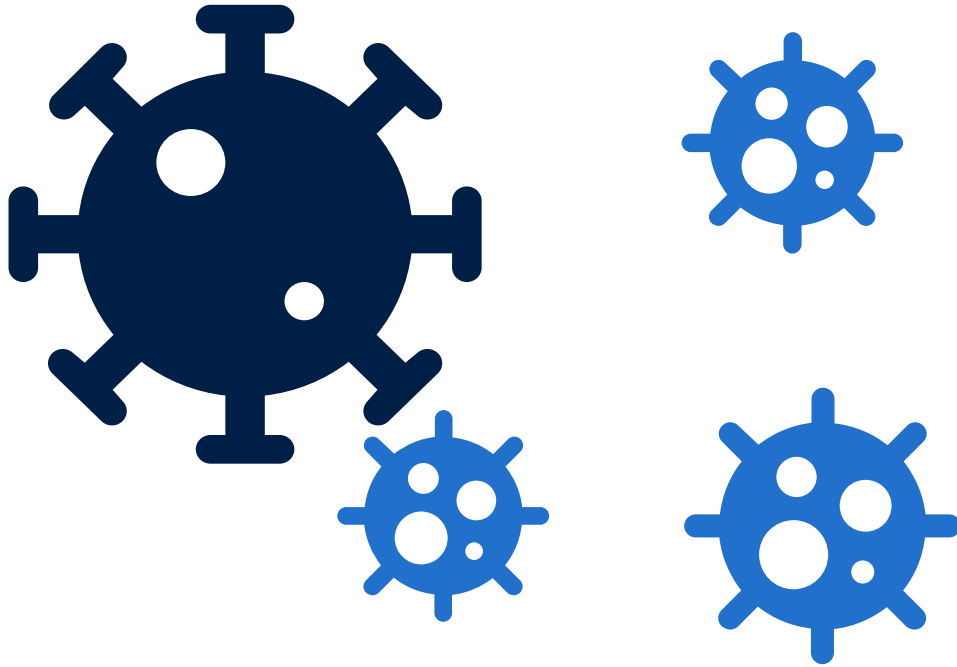
# Epidemiologic Information, Allegan County

Overall	Percent
Healthcare Worker	6.4%
Live or work in high-risk/congregate facility	9.1%
First Responder	0.9%
Other Essential Worker/Critical Infrastructure	16.1%
Healthcare Contact to confirmed care	0.6%
Community Contact to confirmed case	10.1%
Household Contact to confirmed case	16.9%
<b>Total Cases: 10,915</b>	

Cases Reported in Past two weeks	Percent
In quarantine at time of onset/positive test	25.0%
Associated with known cluster/outbreak	2.6%
Any Contact to confirmed case	27.8%
Healthcare contact to confirmed case	0.2%
Community contact to confirmed case	9.3%
Household contact to confirmed case	20.0%
Attended Community Event/Mass Gathering	3.0%
Any Travel (international, domestic, in state)	4.3%
Source of Infection is unknown	29.1%
<b>Number of cases reported in past 2 weeks: 460</b>	

# Clinical Information

Asymptomatic Cases: 13.3%



Symptoms	Percent
Fatigue/Lethargy/Weakness	70.0%
Cough	66.5%
Fever	50.4%
Chills	46.1%
Shortness of Breath	22.5%
Difficulty Breathing	15.2%
Muscle Aches (Myalgia)	57.3%
Headaches	68.2%
Runny Nose	50.6%
Nausea	24.3%
Congestion	60.8%
Sore Throat	43.0%
Diarrhea	25.7%
Loss of taste	43.0%
Loss of smell	42.9%

Data as of 5/18/2021

Source: Michigan Disease Surveillance System

## Breakdown of Cases by School Age Categories

Total Case Count	10915
Number of Cases <18 years	1573
% cases <18 years	14.4%

Data as of 5/18/2021.

Source: Michigan Disease Surveillance System

<u>Approximate Grade Level</u>	<u>Age</u>	<u>Case Count*</u>	<u>% total cases</u>	<u>% cases &lt;18 years</u>
	0-2 years	117	1.1%	7.4%
Pre-K age	3-4 years	79	0.7%	5.0%
K-5th grade age	5-10 years	402	3.7%	25.6%
6-8th grade age	11-13 years	301	2.8%	19.1%
9-12th grade age	14-17 years	674	6.2%	42.8%

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

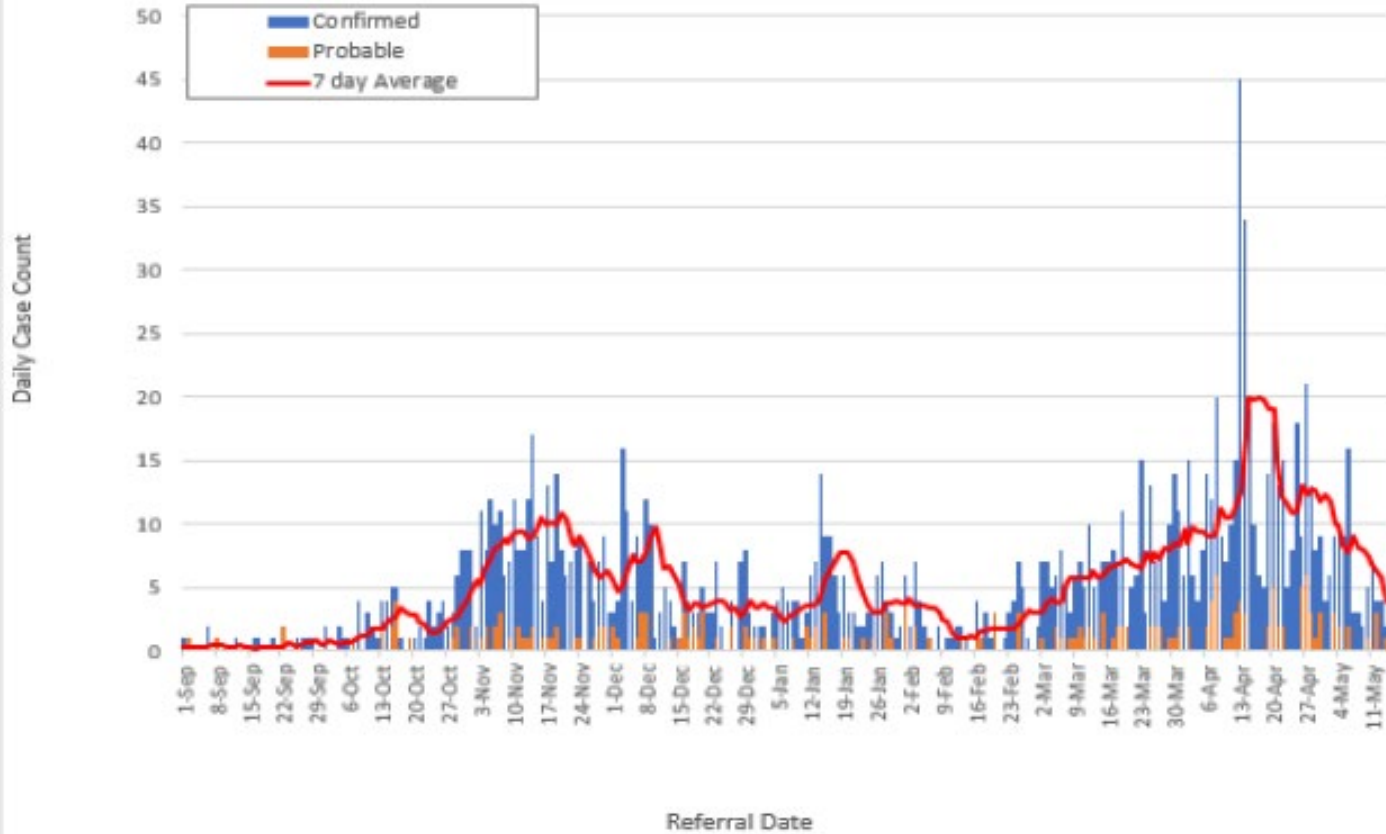
*These counts may not reflect the actual grade level of cases.*

*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	2	26	18	36

Allegheny County School Age COVID-19 Cases by Referral Date



# Sufficient Health Care Capacity

Statewide Hospital Capacity Report for COVID-19\* 05/17/2021\*\*

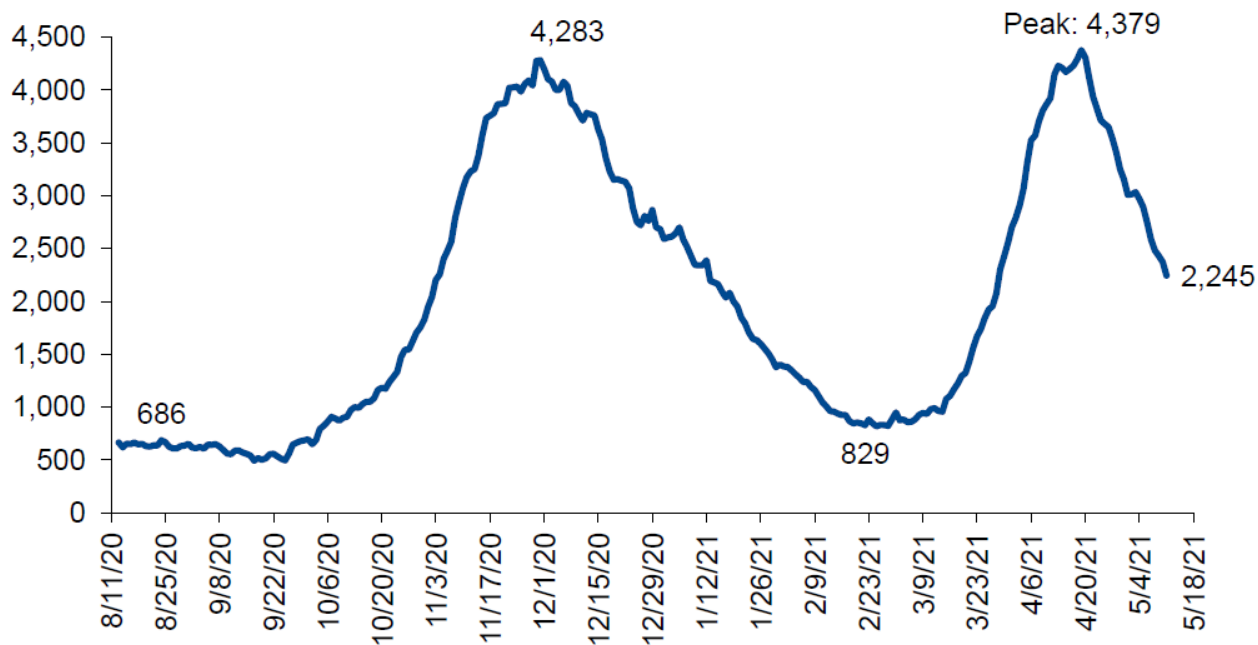
	Hospital Beds	Adult Hospital Beds	Hospital Inpatient Beds	Hospital Inpatient Bed Occupancy	Adult Hospital Inpatient Beds	Adult Hospital Inpatient Bed Occupancy	ICU Beds	ICU Bed Occupancy	Adult ICU Beds	Adult ICU Bed Occupancy	Total Ventilators	Mechanical Ventilators in use
Region 5	1,683	1,655	1,403	1,092	1,375	1,066	209	141	167	134	317	64
Region 6	3,227	2,739	2,855	2,338	2,475	1,997	407	355	254	216	579	169

HCC Region	Region 5	Region 6	Region 5	Region 6
Total Hospitalized Adult Suspected/Confirmed	117	262	↓	↓
Adult Confirmed-Positive COVID	110	255	↓	↓
Hospitalized Beds Confirmed/Suspected	2	9	↓	↔
Hospitalized Bed Confirmed-Positive	2	8	↓	↓
Hospitalized and Ventilated COVID	8	50	↓	↓
Adult ICU Confirmed/Suspected COVID	25	75	↓	↓
ICU Adult Confirmed-Positive COVID	24	75	↓	↑
Prev Day COVID Related ED Visits	142	125	↓	↓

**COVID-19 Metrics**  
5/18/21, by HCC Region

# Michigan Hospitalizations also continue to decline sharply, down ~50% from their peak three weeks ago

## Hospitalization (Confirmed and Suspected) 8/13/2020 – 5/11/2021



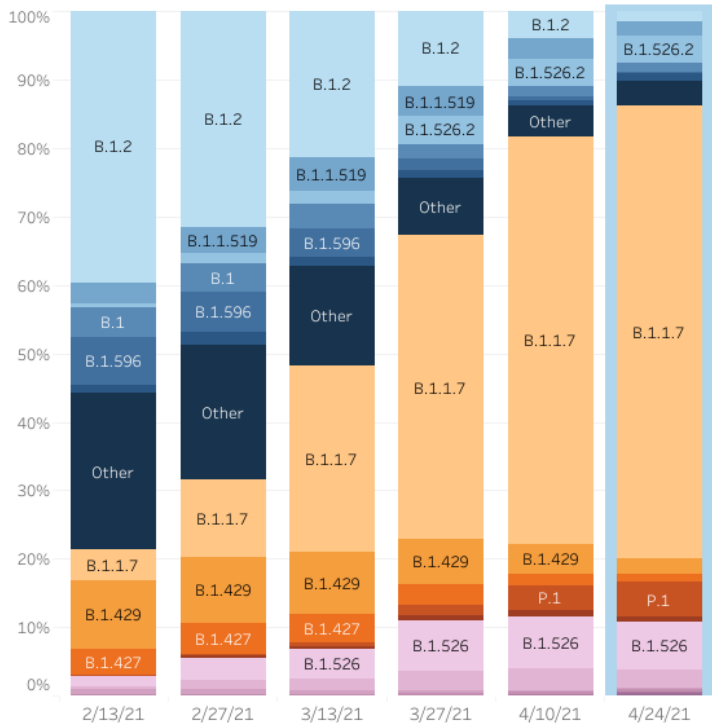
1. This graph includes both confirmed and suspected cases

2. Source MHA



United States: 1/31/2021 – 4/24/2021

United States: 4/11/2021 – 4/24/2021



Collection date, two weeks ending

SELECTED

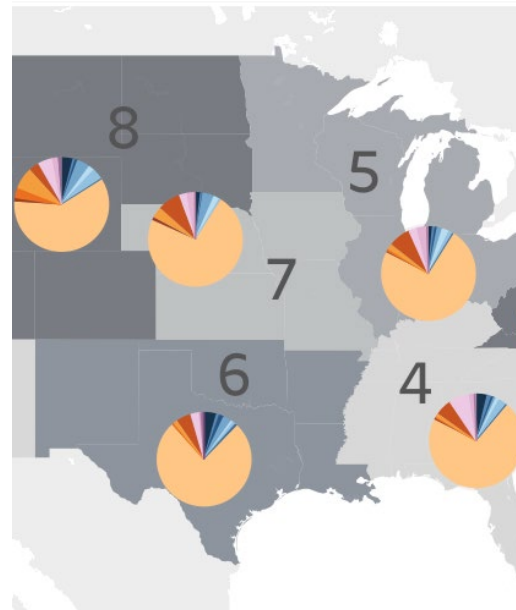
USA

	Lineage	Type	%Total	95%CI	
Most common lineages	B.1.1.7	VOC	66.2%	62.2-70.0%	
	B.1.526	VOI	6.9%	5.0-9.4%	
	P.1	VOC	5.2%	3.6-7.6%	
	B.1.526.2		4.0%	2.9-5.4%	
	B.1.526.1	VOI	2.8%	2.1-3.7%	
	B.1.429	VOC	2.3%	1.6-3.5%	
	B.1.1.519		2.2%	1.7-2.8%	
	B.1		1.4%	1.2-1.6%	
	B.1.2		1.4%	1.1-1.7%	
	B.1.427	VOC	1.1%	0.8-1.5%	
Additional VOI/VOC lineages	B.1.1		1.0%	0.8-1.3%	
	B.1.596		0.2%	0.1-0.3%	
	B.1.351	VOC	0.8%	0.5-1.1%	
	B.1.617.2	VOI	0.5%	0.3-0.7%	
	B.1.525	VOI	0.3%	0.2-0.5%	
	B.1.617.1	VOI	0.2%	0.1-0.2%	
	P.2	VOI	0.1%	0.0-0.1%	
Other*	B.1.617.3 †	VOI	0.0%	0.0-0.0%	
	B.1.617 †	VOI	0.0%	NA	
	Other		3.5%	3.0-4.1%	

\* Other represents >200 additional lineages, which are each circulating at <1% of viruses

† Fewer than 10 observations of this variant during the selected time/location context

United States: 4/11/2021 – 4/24/2021



**Allegheny County has 65 confirmed B117 cases. (as of 5/18/2021)**

# MDHHS Gatherings and Mask Epidemic Order Updated 5/14/21

- ▶ MDHHS has updated its [Gatherings and Mask epidemic order](#).
- ▶ **What's changed?**
  - Fully vaccinated people do not need to wear a face mask at indoor gatherings. All others\* are required to wear a face mask at indoor gatherings. \*Section 7 of the order lists all the exceptions.
  - A person responsible for an establishment, or an agent of such person, must prohibit gatherings of any kind at their establishment unless the person makes a good-faith effort to ensure everyone at their establishment (including employees) comply.
    - A good-faith effort may include any of the following: posting a sign notifying people that wearing a mask is required unless a person falls into a specified exception; asking patrons not wearing masks whether they fall into a specified exception; requiring face masks of all patrons and employees or any other policy designed to ensure compliance.
  - The outdoor face mask requirement. People who are vaccinated or unvaccinated need not wear a mask when outdoors.
- ▶ **What has not changed?**
  - ▶ Gathering restrictions and capacity limits.
  - ▶ Contact tracing requirements for particular gatherings.



# Choosing Safer Activities

While fully vaccinated people will be able to resume many activities without wearing a mask or social distancing, exceptions exist as required by federal, state, local, tribal or territorial laws, rules and regulations, including local business and workplace guidance that remain in effect.

-  **Safest**
-  **Less Safe**
-  **Least Safe**



## Unvaccinated



Attend a small, outdoor gathering with fully vaccinated family and friends



Attend a small, outdoor gathering with fully vaccinated and unvaccinated people



Dine at an outdoor restaurant with friends from multiple households



Attend a crowded, outdoor event, like a live performance, parade, or sports event



Visit an indoor barber or hair salon



Attend a small, indoor gathering of fully vaccinated and unvaccinated people from multiple households



Eat at an indoor restaurant or bar



Participate in an indoor, high intensity exercise class

## Fully Vaccinated



# Mask Use in School Settings



- ▶ CDC, MDHHS, and ACHD recommend to still use masks in school setting for the remaining of the school year.
- ▶ **There are no mandates at this time, so it is a policy decision at each organization.**
- ▶ ACHD has concerns with all the children who are either not eligible for vaccine and/or have been eligible long enough to be fully vaccinated and contributing to the amount of virus circulating in the community as we are trying to decrease reinfection rates and variants.
- ▶ This is important while we work towards herd immunity and containment of this virus.

# MI Blueprint for Comprehensive Student Recovery

- ▶ Guidance to help districts and schools create recovery plans that provide every Michigan student with the resources they need to thrive post-pandemic.
- ▶ The Blueprint provides evidence-based recommendations to address challenges across wellness, academics, school culture and climate, family and community engagement and postsecondary education.



# 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

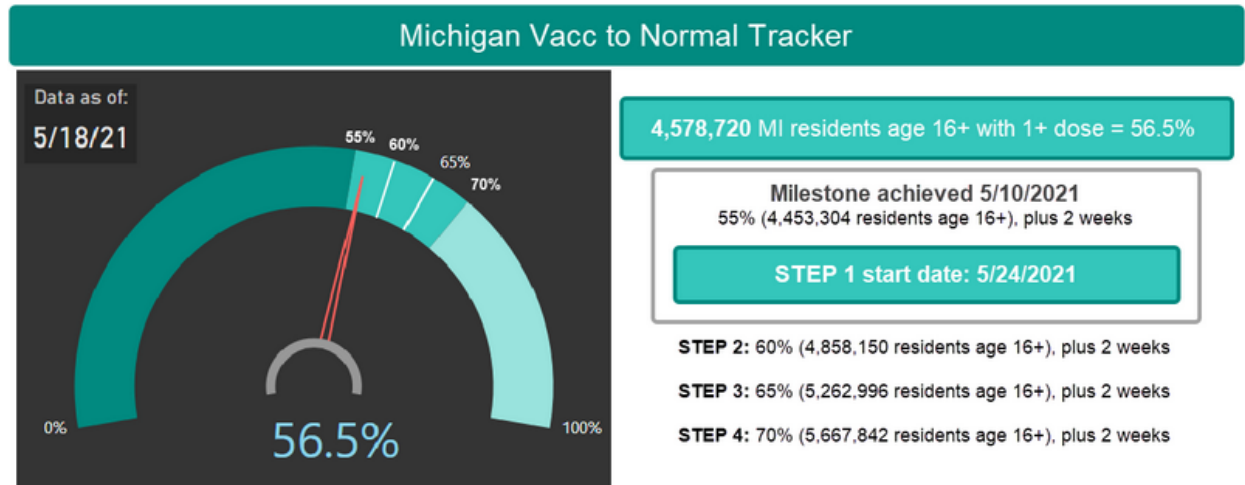


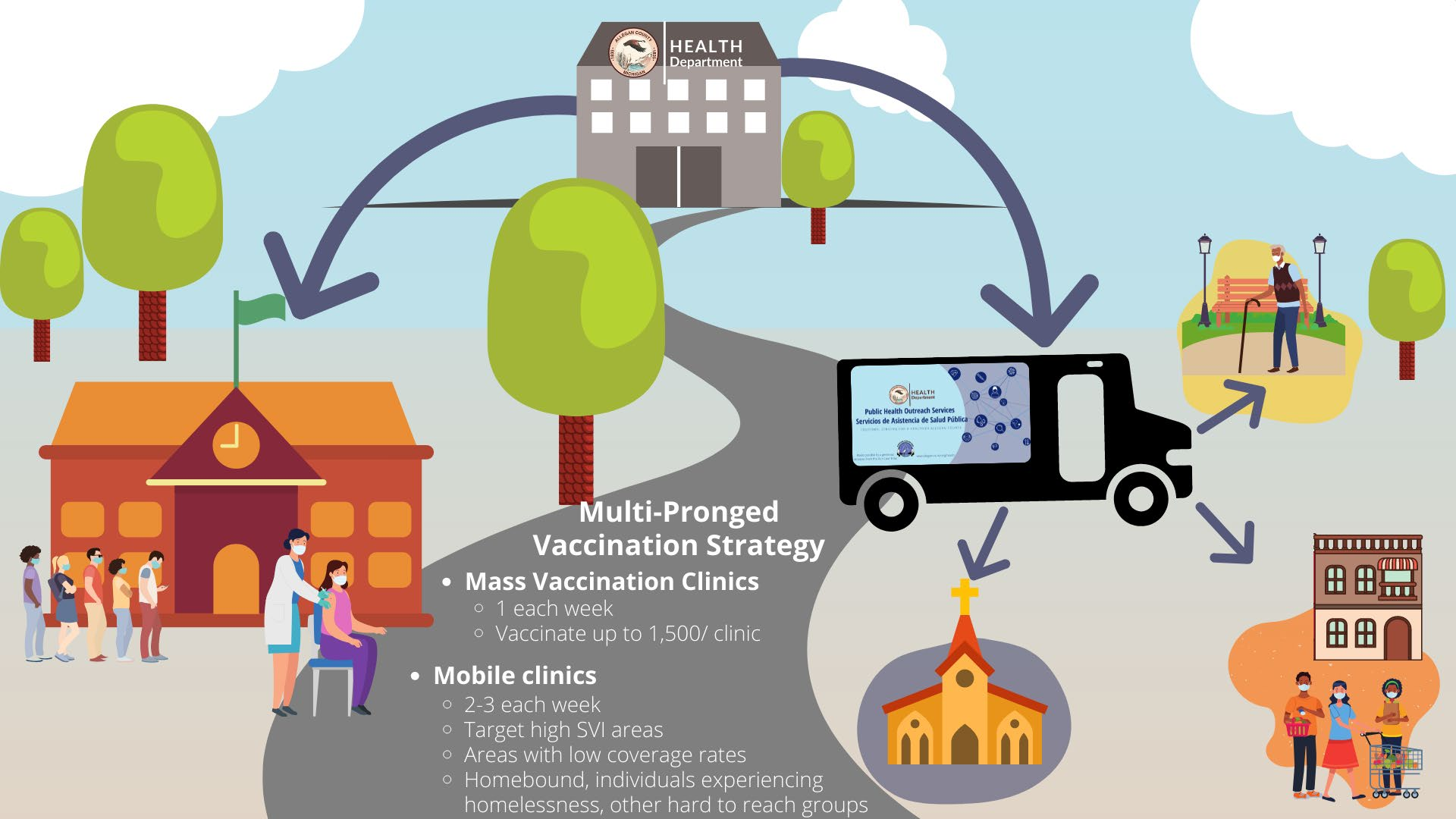
## Empower people with information to gain confidence to get vaccinated

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 (starting 5/24)





## 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](#).

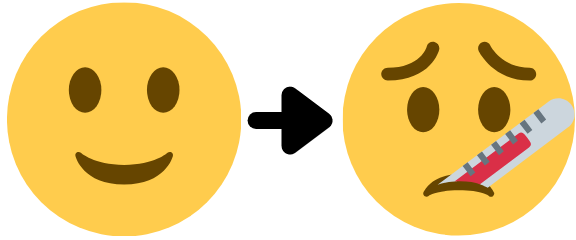




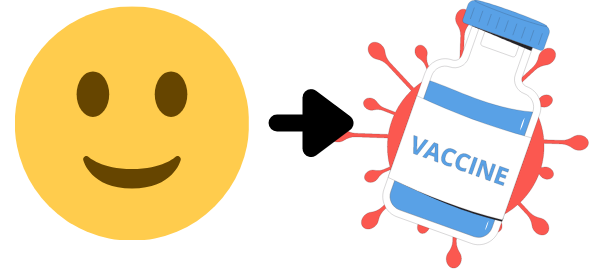
# Breaking Down Herd Immunity

<https://www.youtube.com/watch?v=6CXBLqLC1rw>

## 2 ways to get Antibody Protection



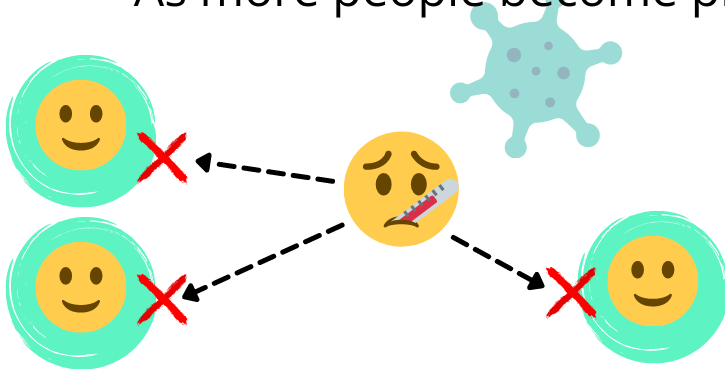
Natural Immunity



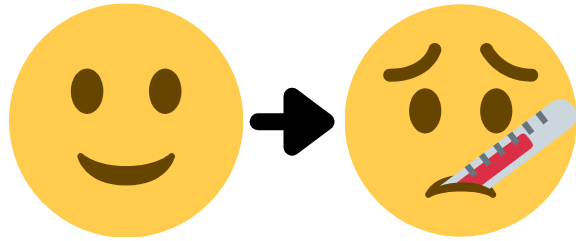
Immunity through Vaccination

9.25% of Allegan County residents have gotten COVID-19

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



**For COVID-19, we need at least 70% vaccinated to reach herd immunity to break the COVID-19 cycle of transmission**



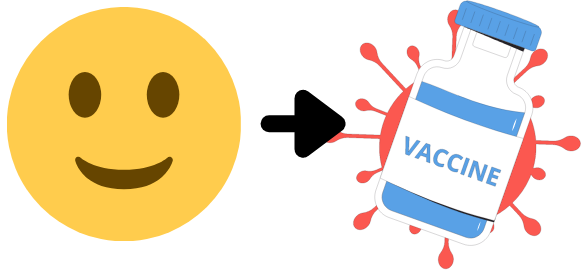
Natural Immunity

Estimated 20-30% US population acquired natural immunity and got COVID-19

**We don't know how long this immunity will last, and how COVID-19 will affect each person/how severe any person's illness might be.**

<https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/burden.html>

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Immunity through Vaccination

**Vaccination offers safer way for people to become immune.**

Real world studies showing mRNA vaccines are 94% effective at preventing symptomatic COVID-19 and 94% effective at preventing hospitalizations for 65+ population

People getting vaccines can experience side effects for a couple days, but normal immune response.

70%



~10%

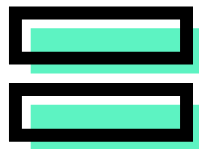


~20-30%

community vaccinated

natural immunity

unknown infection



**HERD IMMUNITY**



# People are wondering when this will end?

- ▶ There are a lots of variables to consider for this, such as variants that are vaccine resistant.
- ▶ Based on what we've seen in Israel and what other public health experts have shared, once we have 70% vaccinated and reach herd immunity, we should be able to reduce mitigation measures and treat it similar to other communicable diseases, such as measles, pertussis, and chicken pox.

# Currently, we have 28 COVID-19 Vaccine Approved Providers in Allegan County

- ▶ Trying to connect and understand why providers aren't getting more COVID-19 vaccine (or in small amounts), to make vaccine more convenient for community



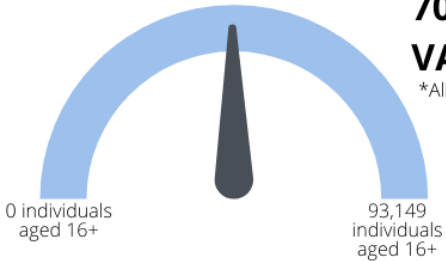
# Allegan County VACCINE DATA

Updated 5/18/21  
Data as of 5/17/21

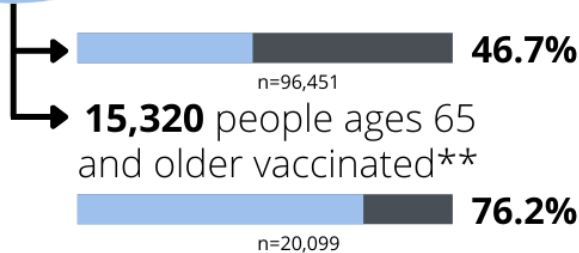
**49.7%**

**70% OF ELIGIBLE INDIVIDUALS\*  
VACCINATED BY END OF 2021**

\*Allegan County residents age 16+



As of May 18, **46,687** people have been vaccinated\*\*

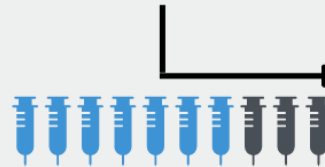


**15,320** people ages 65 and older vaccinated\*\*

\*\*Individuals given at least 1 dose of vaccine. On 5/18, we began including the population 12 years and older.



**2 in 5** Allegan County individuals are fully vaccinated (40.1%).



**7 in 10** Allegan County individuals aged 65 and older are fully vaccinated (70.2%).

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

Total Doses Distributed\*

**72,200**

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

Total Doses Administered\*

**83,265**

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

**PLANNED CLINICS**



May 16, 2021 to May 22, 2021



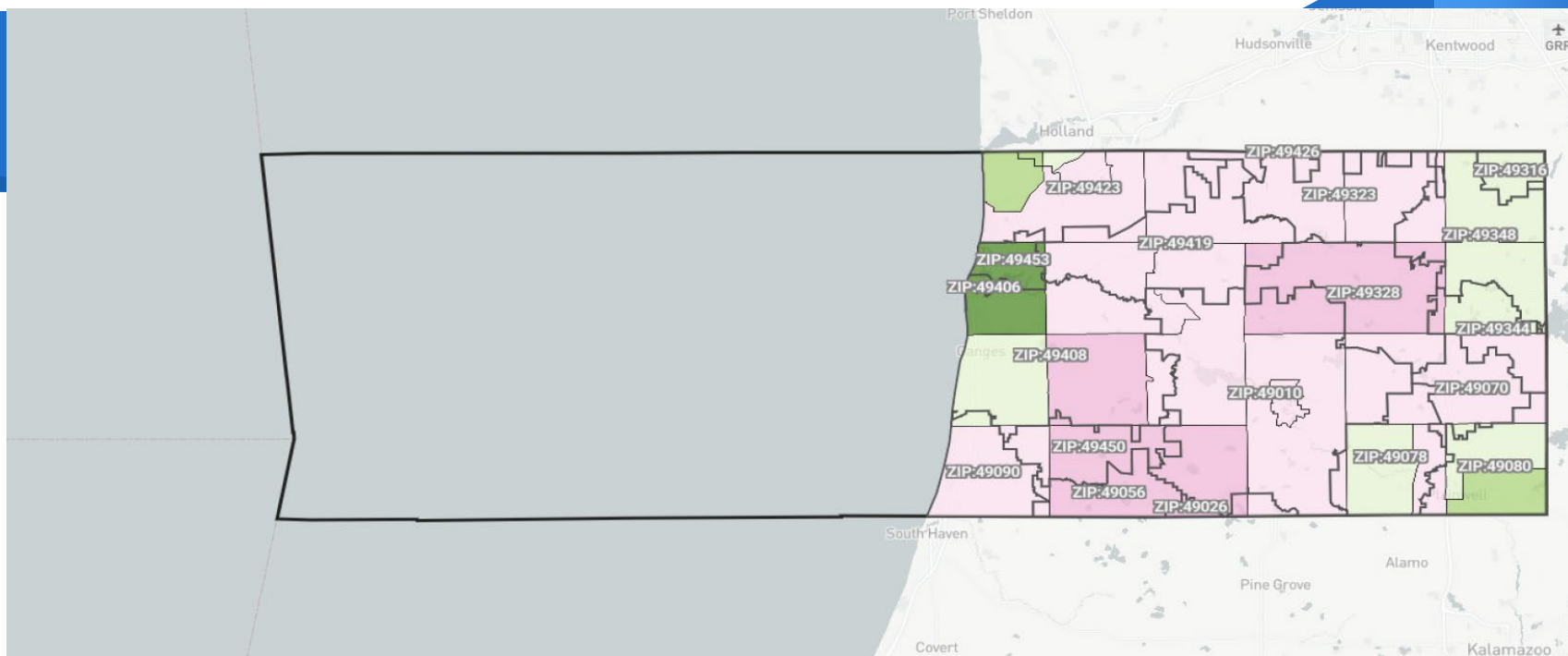
**1,500**

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.



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



# Preliminary data as of 5/18/21

Region Name	Received 1 or More Dose (% Ages 16+)	# Fully Vaccinated (16+)	# Received 1 or More Dose (16+)	Total Population (16+)
0302	66.21%	1,486	1,701	2,569
0303	42.21%	2,137	2,486	5,889
0304.01	42.58%	2,247	2,554	5,998
0304.02	52.36%	1,775	2,041	3,898
0305	50.20%	2,570	2,967	5,910
0306	39.93%	1,353	1,580	3,957
0307.02	48.59%	1,653	1,952	4,017
0307.03	38.50%	764	907	2,356
0307.04	44.61%	1,489	1,741	3,903
0308	80.60%	3,125	3,416	4,238
0309.01	45.99%	1,042	1,200	2,609

Region Name	Received 1 or More Dose (% Ages 16+)	# Fully Vaccinated (16+)	# Received 1 or More Dose (16+)	Total Population (16+)
0309.02	58.29%	1,154	1,333	2,287
0310	34.75%	1,381	1,669	4,803
0311	47.59%	2,218	2,615	5,495
0312	49.24%	1,837	2,163	4,393
0313	41.68%	1,411	1,646	3,949
0318	56.31%	1,777	2,088	3,708
0319	47.70%	1,697	1,989	4,170
0320	55.33%	1,937	2,241	4,050
0321	63.30%	2,064	2,337	3,692
0322	57.25%	2,147	2,447	4,274
0324.01	45.19%	464	587	1,299
0324.02	45.77%	1,253	1,471	3,214
0326	65.21%	749	851	1,305





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

*Appointment and Walk-in Availability!*

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

## Upcoming Clinics

**Friday, May 21 | 2:00pm to 7:00pm**

Otsego High School

**No appointment needed - Walk-ins welcome!**

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**Saturday, May 22 | 9:00am to 4:00pm**

Allegan High School

**WALK-INS AVAILABLE! 10:00am to 2:00pm**

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HEALTH  
Department

Secure your appointment by visiting  
[www.allegancounty.org/covid](http://www.allegancounty.org/covid)

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

- ▶ Friday, May 21 at Otsego High School (2pm-7pm): <https://ph-allegan.as.me/otsegoimms20210201>
- ▶ Saturday, May 22 at Allegan High School (9am-4pm): <https://ph-allegan.as.me/nwlbkbcfrd>
- ▶ \*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?