

# COVID-19 Update

December 2, 2020



HEALTH  
Department



# Allegan County COVID-19 Dashboard

data as of 12/2/20 at 2pm

<https://alleganco.maps.arcgis.com/apps/opstdashboard/index.html#/c05e1ec6222944748968f351273b3d41>

Allegan County COVID-19 Dashboard

Currently  
**417**  
Monitoring

Allegan County close contacts that are currently being monitored through TraceForce.

Last update: a few seconds ago

Total  
**5,413**  
Monitored

Individuals that have been identified as a close contact to someone who has a lab confirmed or probable diagnosis of COVID-19, a COVID-19 test pending, or a potential travel exposure.

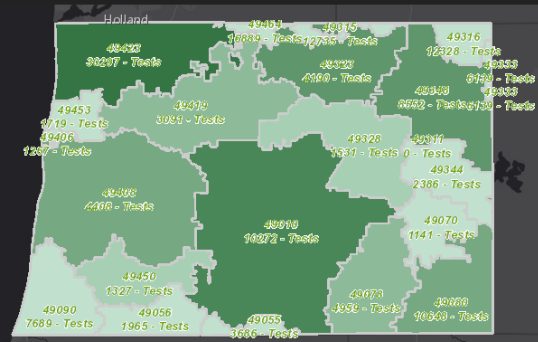
Last update: a few seconds ago

Recovered  
**1,902**  
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



Esrri, HERE, NPS | Esri, HERE, NPS

Negative  
**56,744**  
Tests

Lab confirmed negative for COVID-19

Last update: a few seconds ago

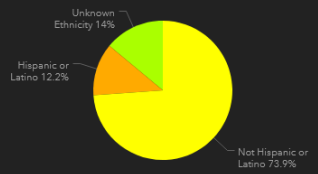
Total  
**11**

Hospitalizations

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

Last update: a few seconds ago

Percentage of Cases by Ethnicity



Last update: a few seconds ago

Cases by Gender Cases by Race Cases by Ethnicity

Total  
**4,225**  
Cases

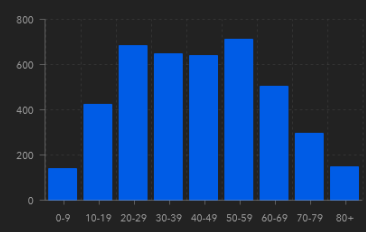
Last update: a few seconds ago

COVID-19  
**35**  
related deaths

Deaths occurring within 30 days of diagnosis are counted as a COVID-19 related death.

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

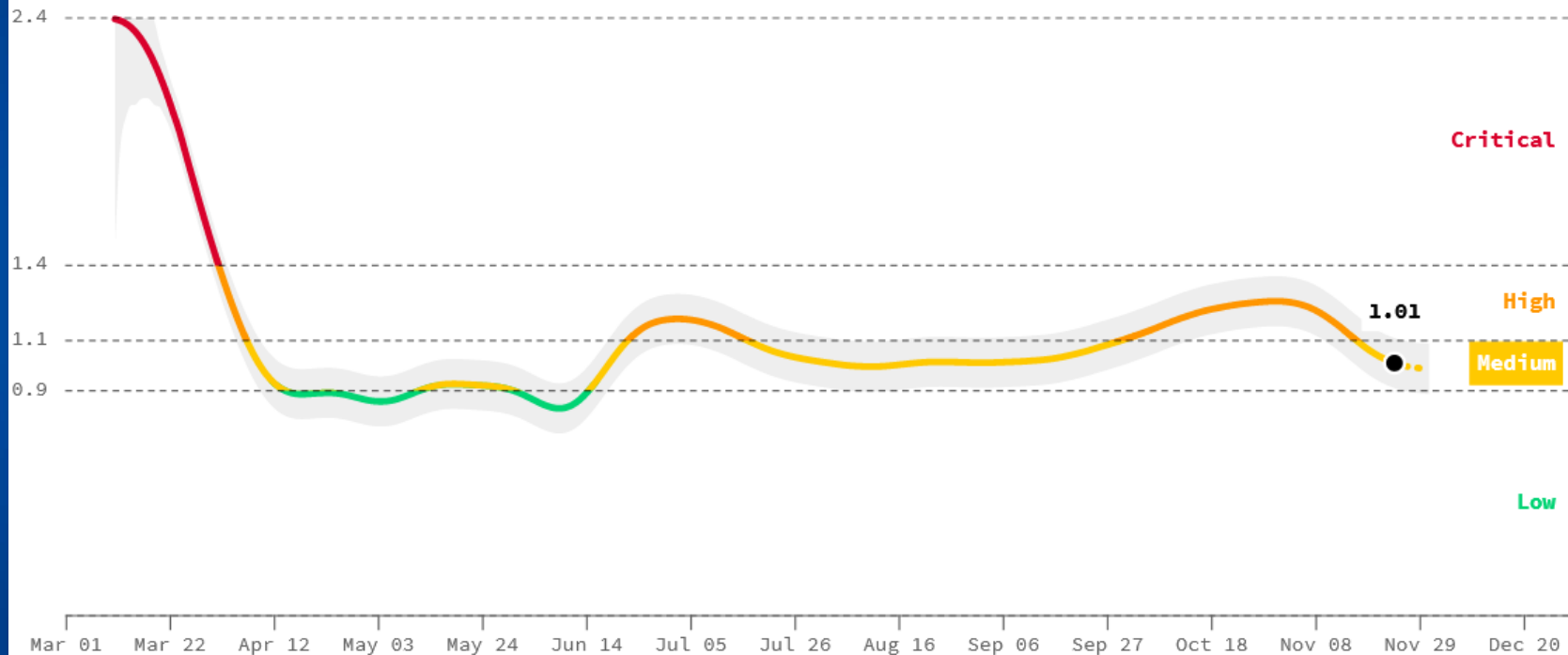
MICHIGAN

Save

Share

On average, each person in Michigan with COVID is infecting 1.01 other people.

Because this number is around 1.0, it means that COVID continues to spread, but in a slow and controlled fashion.



Last updated 12/2/2020. Each data point is a 14-day weighted average. We present the

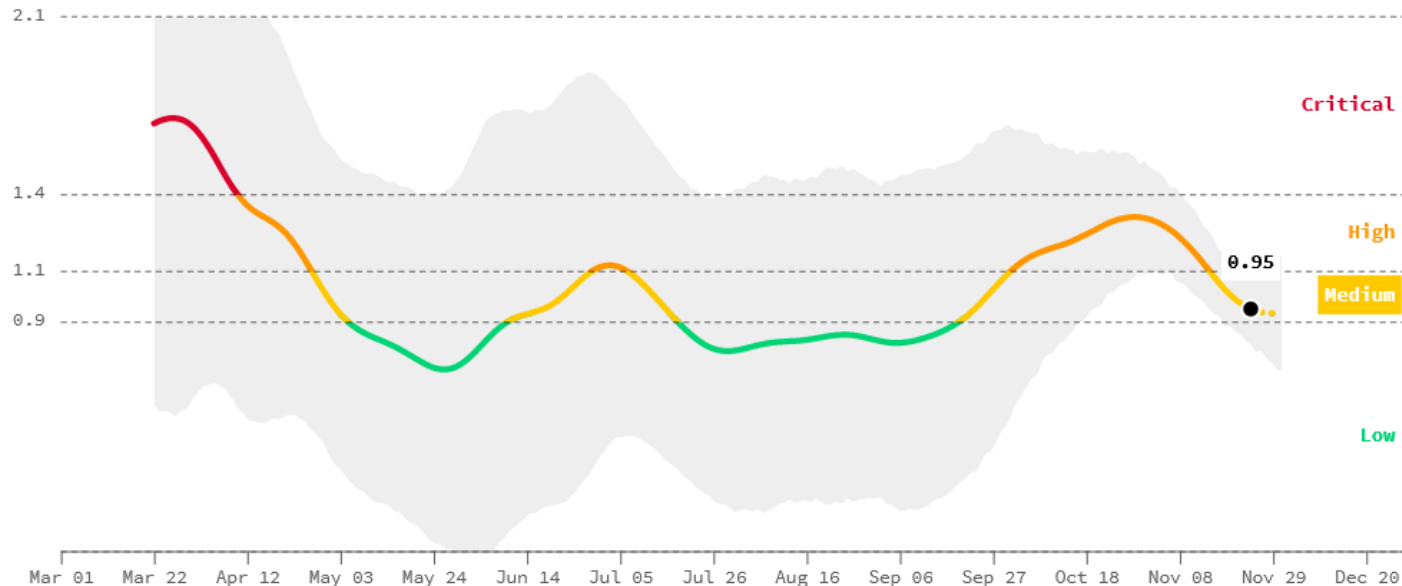
## Infection rate

ALLEGAN COUNTY, MICHIGAN

Save

Share

On average, each person in Allegan County, Michigan with COVID is infecting 0.95 other people. Because this number is around 1.0, it means that COVID continues to spread, but in a slow and controlled fashion.



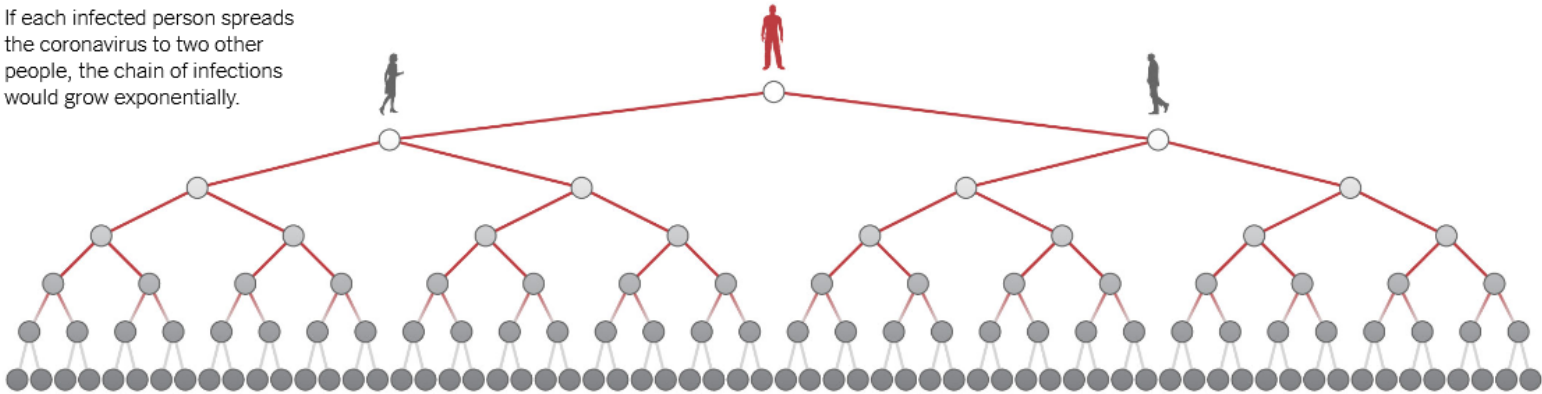
Last updated 12/2/2020. Each data point is a 14-day weighted average. We present the most recent seven days of data as a dashed line, as data is often revised by states several days after reporting. Learn more about [our methodology](#) and [our data sources](#).

More information on Projections and Modeling: <https://blog.covidactnow.org/inference-projections-for-states/>

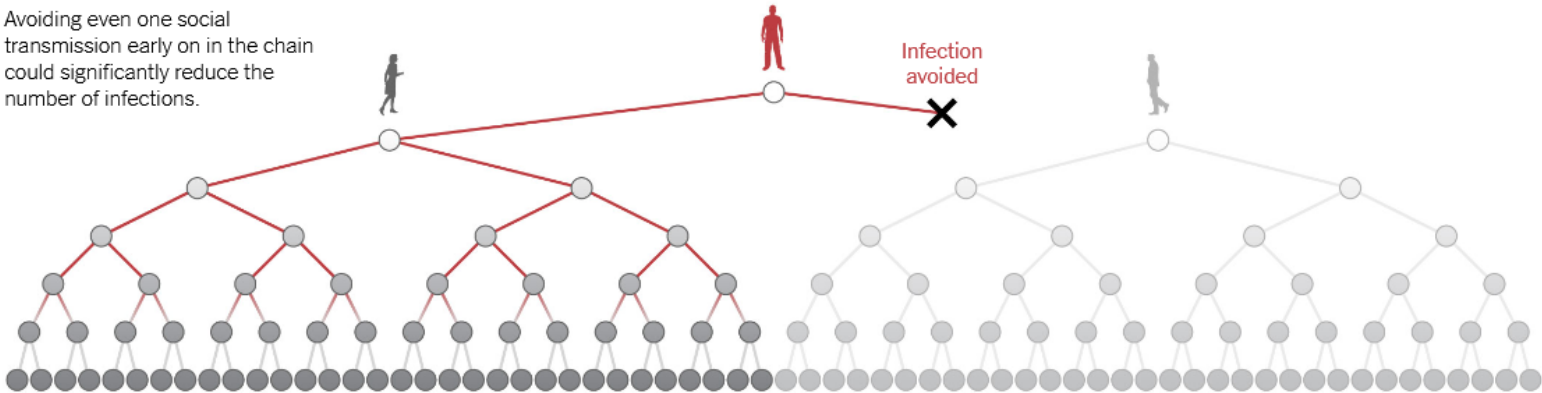
## Cutting a Link in the Chain of Transmission

A simple tree diagram shows how limiting contacts early might prevent many infections.

If each infected person spreads the coronavirus to two other people, the chain of infections would grow exponentially.



Avoiding even one social transmission early on in the chain could significantly reduce the number of infections.



By Jonathan Corum

Source: [New York Times](#), "You Can Help Break the Chain of Transmission" published March 19, 2020. Image by Jonathan Corum



# COVID-19 Mass Testing and Containment

## MITIGATION ROADMAP



## INCIDENT ACTION PLAN OBJECTIVES

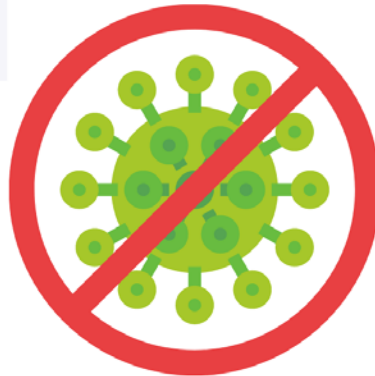
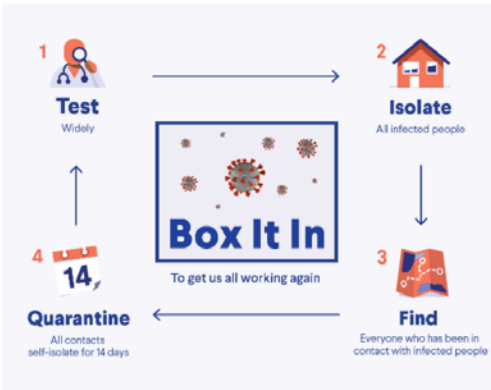
1. Identify cases, isolate the sick, quarantine the exposed, and protect vulnerable populations  
  
Provide information to the public, media, and County staff to increase public awareness, address misinformation, and protect the public and increase community resiliency
2. Prepare, mitigate, and recover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

## STATE & LOCAL ORDERS

Michigan Public Health Code



## EPIDEMIOLOGICAL MODEL





# HEALTH Department

# COVID- 19 Mitigation Strategies

**Community Vaccination and/or Herd Immunity**  
Plan for clinics and evaluate whether protective measures (non-pharmaceutical interventions) can be lifted

**Best Practices for Organizations**  
Face Coverings, Social Distancing, Environmental, Administrative Controls, Case and Contract Tracing and enforcement or orders as necessary.

## Sufficient Health Care Capacity

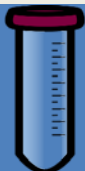
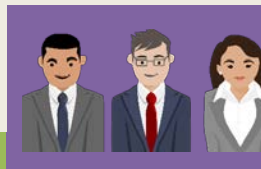
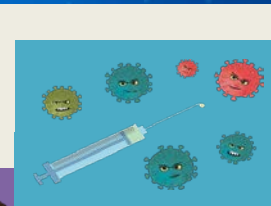
Ensure hospitals have resources to treat those with COVID-19 and non COVID-19 health care needs.

## Robust Case Investigation and Contact Tracing

Foundation to containment of the virus until a vaccine is available. Case Investigation starts immediately and all contacts are attempted to be contacted and put on quarantine within 24 hrs. .

## Enhanced Ability to Test

Testing congregate care (jails, nursing homes, etc.), community wide testing, and testing of communities of vulnerabilities, clusters and outbreaks.

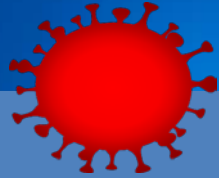






## HEALTH Department

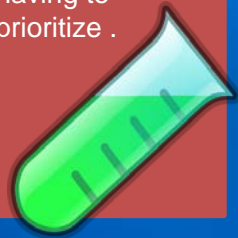
# Challenges in Responding



It is a novel virus and guidance is ever changing. Keeping staff and community leaders and members updated as that guidance changes can be challenging.



Having scalable resources while still having to do other public health services. Constantly having to prioritize .



Timely Case investigation and contact tracing and getting people to understand the reason why it is so important to isolate/quarantine to disrupt the transmission.



Managing a response for a community that is incredibly divided on what the proper response should be.



Collaborate with a vast array of organizations within different sectors on mitigations measures and technical assistance as needed.

# Enhanced Ability to Test

## COVID-19 TESTING EVENT



FREE COVID-19 testing (not antibody test)

Available to individuals of any age, regardless of symptoms.

Individuals under the age of 18 will need parental/guardian consent.

No insurance needed | No doctor's note needed

Pre-register using the QR code below

(use your phone camera to scan the code)



**Saturday, December 5 | 10:00am-1:00pm**

Allegan County Transportation Building | 750 Airway Dr., Allegan

**Saturday, December 19 | 10:00am-1:00pm**

Allegan County Transportation Building | 750 Airway Dr., Allegan

**\*\*Offering no-cost flu vaccine for uninsured/ under-insured adults (19 years of age and older) at event.\*\***

NOTICE: In the event of severe weather, ACHD will cancel testing events for the protection of staff and residents. Please check our Facebook page @AlleganCountyHD or call 269-686-4546 for any cancellation notices the day of the event.

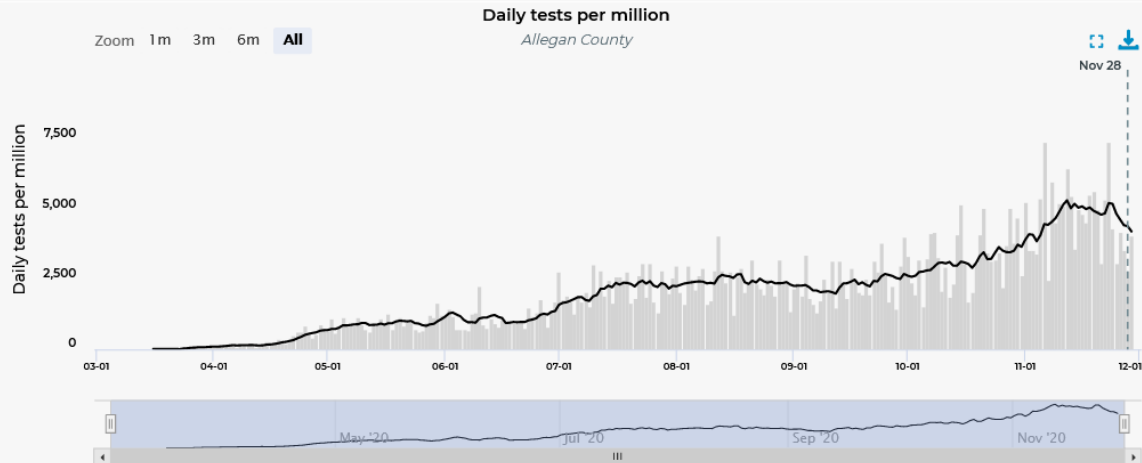


HEALTH  
Department

Tests

4.4k  
daily per million \*

507.7  
daily tests  
administered \*



Data as of 11/28/20

▶ [www.Michigan.gov/coronavirustest](http://www.Michigan.gov/coronavirustest)

# Enhanced Ability to Test Allegran County, data as of 11/28/20

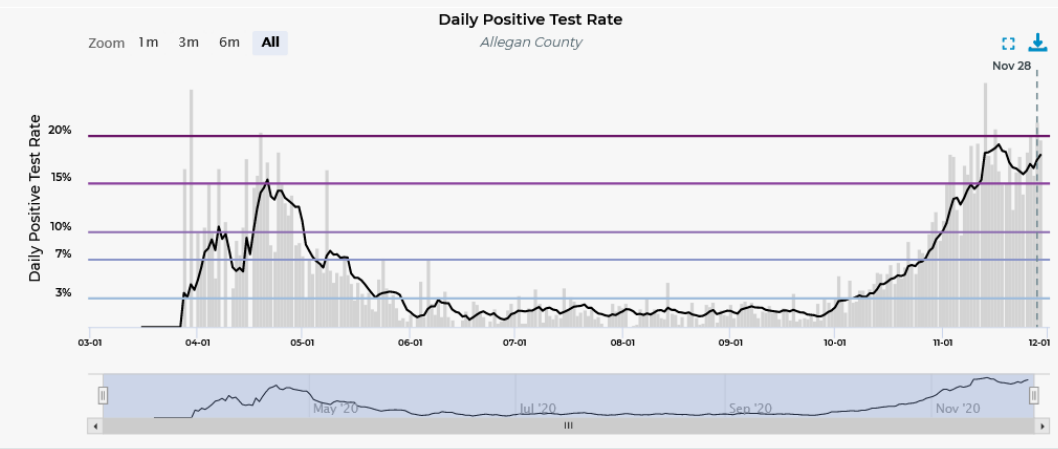
<https://mistartmap.info/>

## Test Results

17.5%  
positive tests\*

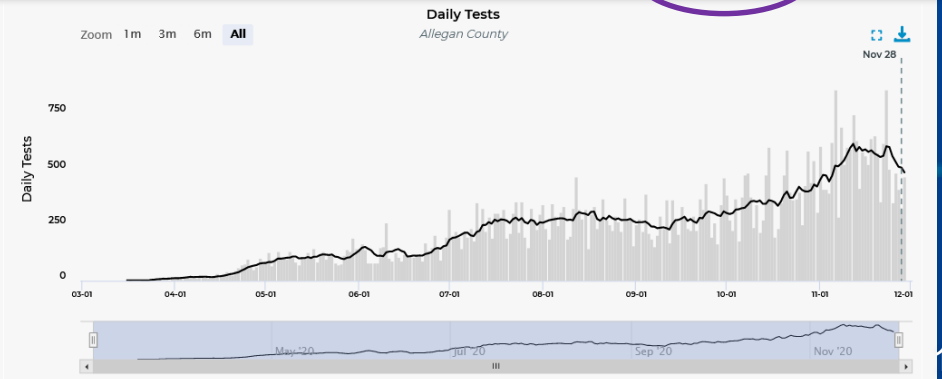
507.7  
daily tests  
administered\*

1 week  
Nov 17 - Nov 24



### Test Thresholds

- Percent Positive
- Low: <3%
  - A: 3-7%
  - B: 7-10%
  - C: 10-15%
  - D: 15-20%**
  - E: >=20%



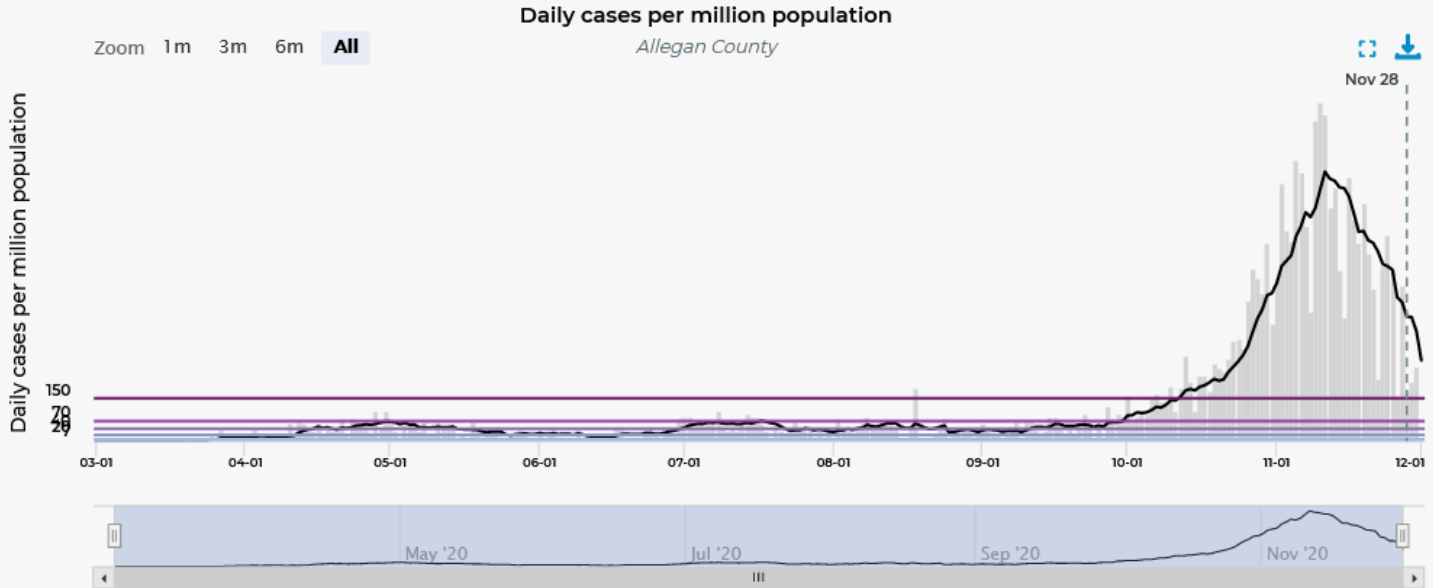
# Alleghan County, New Cases (data as of 11/28/20)

## New Cases

428.9  
daily/ million\*

49.4  
daily\*

2 weeks ↕  
Nov 10 - Nov 24 ⌚



Cases Thresholds  
Per Million Per Day

Low: <7

A: 7-20

B: 20-40

C: 40-70

D: 70-150

E: >=150

# Comparison with neighboring counties

As of 12/1

Based on data from 11/24

Based on data from 11/29

## Risk Levels



**Metrics Overview** \* Over previous 7 days

| AREA                      | TYPE   | REGION RISK LEVEL (DEC 01) | COUNTY RISK LEVEL (DEC 01) | DAILY CASES* (NOV 24) | DAILY CASES PER MIL.* (NOV 24) | CASES WEEKLY TREND (NOV 24) | DAILY TESTS* (NOV 29) | DAILY TESTS PER MIL. (NOV 29) | % POSITIVE TESTS* (NOV 29) | TESTS WEEKLY TREND (NOV 24) | MI SYMPTOMS SURVEYS (NOV 28) |
|---------------------------|--------|----------------------------|----------------------------|-----------------------|--------------------------------|-----------------------------|-----------------------|-------------------------------|----------------------------|-----------------------------|------------------------------|
| <a href="#">Allegan</a>   | County | -----■                     | E                          | 69.6                  | 604 ■                          | 2w ↘ ↗                      | 486.3                 | 4,219.4                       | 18.0% ■                    | 1w ↘ ↗                      | 8                            |
| <a href="#">Barry</a>     | County | -----■                     | E                          | 47.0                  | 783 ■                          | 1w ↗ ↘                      | 213.1                 | 3,549.0                       | 19.2% ■                    | 1w ↘ ↗                      | 29                           |
| <a href="#">Kalamazoo</a> | County | -----■                     | E                          | 148.9                 | 569 ■                          | 1w ↘ ↗                      | 1,368.7               | 5,232.6                       | 12.6% ■                    | 2w ↘ ↗                      | 25                           |
| <a href="#">Kent</a>      | County | -----■                     | E                          | 451.7                 | 702 ■                          | 2w ↘ ↗                      | 3,823.6               | 5,945.2                       | 14.5% ■                    | 1w ↘ ↗                      | 54                           |
| <a href="#">Ottawa</a>    | County | -----■                     | E                          | 217.4                 | 766 ■                          | 2w ↘ ↗                      | 1,520.6               | 5,353.5                       | 15.4% ■                    | 1w ↘ ↗                      | 15                           |
| <a href="#">Van Buren</a> | County | -----■                     | E                          | 60.4                  | 803 ■                          | 9w ↗ ↘                      | 462.4                 | 6,143.4                       | 17.4% ■                    | 1w ↗ ↘                      | 10                           |

# Why do we share data on a per million level?

- ▶ As public health, we have to be able to compare “apples to apples” to understand not only what is happening in our area, but also areas surrounding us. It allows us to compare new cases per day in our area (prevalence of the virus in communities) to other communities with vastly different populations.
- ▶ # daily new cases / Allegan County population \* 1,000,000,000
- ▶ Visit [mistartmap.info](http://mistartmap.info) for other scale breakdowns of local data.



# WORKING TOGETHER TO CURB THE SPREAD



We need to work together to lessen the impact of COVID-19 on our community and economy, and also minimize the number of deaths related to the virus. Everyone has a part to play.



## IF YOU TEST POSITIVE FOR COVID-19



**Start isolating right away.** Stay home except for medical care. Let your employer know you have COVID-19.



**Notify your close contacts** so they can start to quarantine themselves.

- Close contacts = those who were within 6 feet for more than 15 minutes total in a 24 hour period, when the person was contagious.
- Contagious = starts 2 days before symptoms appear (or 2 days before positive test, if no symptoms), through the end of the isolation period.



**Complete the ACHD self-reporting form based on your situation.** Forms can be found on [www.allegancounty.org/health](http://www.allegancounty.org/health)

### THE ALLEGAN COUNTY HEALTH DEPARTMENT WILL CONTACT:

Individuals who are 65 years and older, especially those with chronic underlying conditions

Individuals who are 22 years and younger, especially those attending school in-person

Individuals residing in congregate living environments, such as long-term care facilities



- ▶ If someone tests positive or has been recently exposed to the virus do NOT expect a call from the Health Department. Instead:
- ▶ If you receive a positive COVID test result so late for a minimum of 10 days from the start of your symptom(s) or your positive test date if you didn't have symptoms. (<https://www.cdc.gov/coronavirus/2019-ncov/if-you-are-sick/isolation.html>)
- ▶ Notify your close contacts that they may have been exposed and encourage them to quarantine for 14 days from their last date of contact with you. (<https://www.cdc.gov/coronavirus/2019-ncov/if-you-are-sick/quarantine.html>)
- ▶ If you know you are a close contact, start self-quarantine.
- ▶ Complete the self-reporting form based on your situation:
  - ▶ If you test positive, complete this "I tested positive" form.
  - ▶ If you have a known exposure, complete this "I have been exposed" form.



# Epidemiologic Information, Allegan County

| Overall  | Percent |
|--|---------|
| Healthcare Worker                              | 8.8%    |
| Live or work in high-risk/congregate facility  | 6.7%    |
| First Responder                                | 1.2%    |
| Other Essential Worker/Critical Infrastructure | 17.0%   |
| Healthcare Contact to confirmed care           | 0.8%    |
| Community Contact to confirmed case            | 11.3%   |
| Household Contact to confirmed case            | 15.2%   |
| <b>Total Cases: 4222</b>                       |         |

| Cases Reported in Past two weeks                      | Percent |
|---|---------|
| In quarantine at time of onset/positive test          | 21.8%   |
| Associated with known cluster/outbreak                | 1.4%    |
| Any Contact to confirmed case                         | 13.7%   |
| Healthcare contact to confirmed case                  | 0.3%    |
| Community contact to confirmed case                   | 5.4%    |
| Household contact to confirmed case                   | 8.2%    |
| Attended Community Event/Mass Gathering               | 1.6%    |
| Any Travel (international, domestic, in state)        | 3.1%    |
| Source of Infection is unknown                        | 23.6%   |
| <b>Number of cases reported in past 2 weeks: 1227</b> |         |

Data as of 12/2/2020. Source: Michigan Disease Surveillance System

# Clinical Information

Asymptomatic Cases: 13.5%



| Symptoms                  | Percent |
|---------------------------|---------|
| Fatigue/Lethargy/Weakness | 68.0%   |
| Cough                     | 64.2%   |
| Fever                     | 50.2%   |
| Chills                    | 44.4%   |
| Shortness of Breath       | 21.1%   |
| Difficulty Breathing      | 14.3%   |
| Muscle Aches (Myalgia)    | 54.9%   |
| Headaches                 | 65.8%   |
| Runny Nose                | 47.3%   |
| Nausea                    | 22.1%   |
| Congestion                | 55.1%   |
| Sore Throat               | 40.3%   |
| Diarrhea                  | 24.1%   |
| Loss of taste             | 42.8%   |
| Loss of smell             | 41.4%   |

Data as of 12/2/2020.

Source: Michigan Disease Surveillance System

## Breakdown of Cases by School Age Categories

|                           |       |  |
|---------------------------|-------|--|
| Total Case Count          | 4222  | Data as of 12/2/2020.                        |
| Number of Cases <18 years | 432   | Source: Michigan Disease Surveillance System |
| % cases <18 years         | 10.2% |  |

| <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   | 35                 | 0.8%                 | 8.1%                        |
| Pre-K age                      | 3-4 years   | 29                 | 0.7%                 | 6.7%                        |
| K-5th grade age                | 5-10 years  | 91                 | 2.2%                 | 21.1%                       |
| 6-8th grade age                | 11-13 years | 84                 | 2.0%                 | 19.4%                       |
| 9-12th grade age               | 14-17 years | 193                | 4.6%                 | 44.7%                       |

*\*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 11/25/2020 to 12/2/2020

| 0-2 years | 3-4 years | 5-10 years | 11-13 years | 14-17 years |
|-----------|-----------|------------|-------------|-------------|
| 4         | 3         | 9          | 10          | 18          |

# CDC updated Quarantine Guidance:

<https://www.cdc.gov/coronavirus/2019-nCoV/more/scientific-brief-options-to-reduce-quarantine.html>





# Sufficient Health Care Capacity

Statewide Hospital Capacity Report for COVID-19\* 11/17/2020\*\*

|          | 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 | 1,597         | 1,533               | 1,330                   | 1,103                            | 1,301                         | 1,083                                  | 196      | 142               | 165            | 135                     | 315               | 64                            |

## COVID-19 Metrics 12/1/2020, by HCC Region

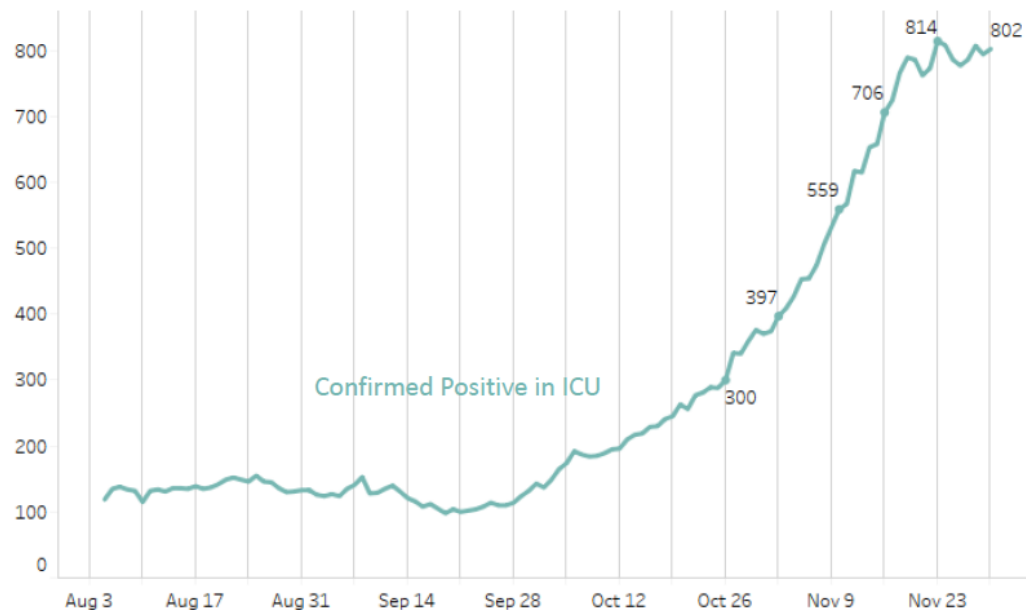
| HCC Region                                   | Region 5 |
|--|----------|
| Total Hospitalized Adult Suspected/Confirmed | 246      |
| Adult Confirmed-Positive COVID               | 241      |
| Hospitalized Peds Confirmed/Suspected        | 0        |
| Hospitalized Ped Confirmed-Positive          | 0        |
| Hospitalized and Ventilated COVID            | 18       |
| Adult ICU Confirmed/Suspected COVID          | 49       |
| ICU Adult Confirmed-Positive COVID           | 49       |
| Prev Day COVID Related ED Visits             | 157      |





# Statewide Hospitalization Trends: ICU COVID+ Census

Hospitalization Trends 8/1/2020 – 11/30/2020  
Confirmed Positive in ICUs



COVID+ census in ICUs has flattened over the past week in the state overall and Region 7 and 8 show notable declines

Statewide ~30% of Adult ICU beds are occupied with COVID+ patients

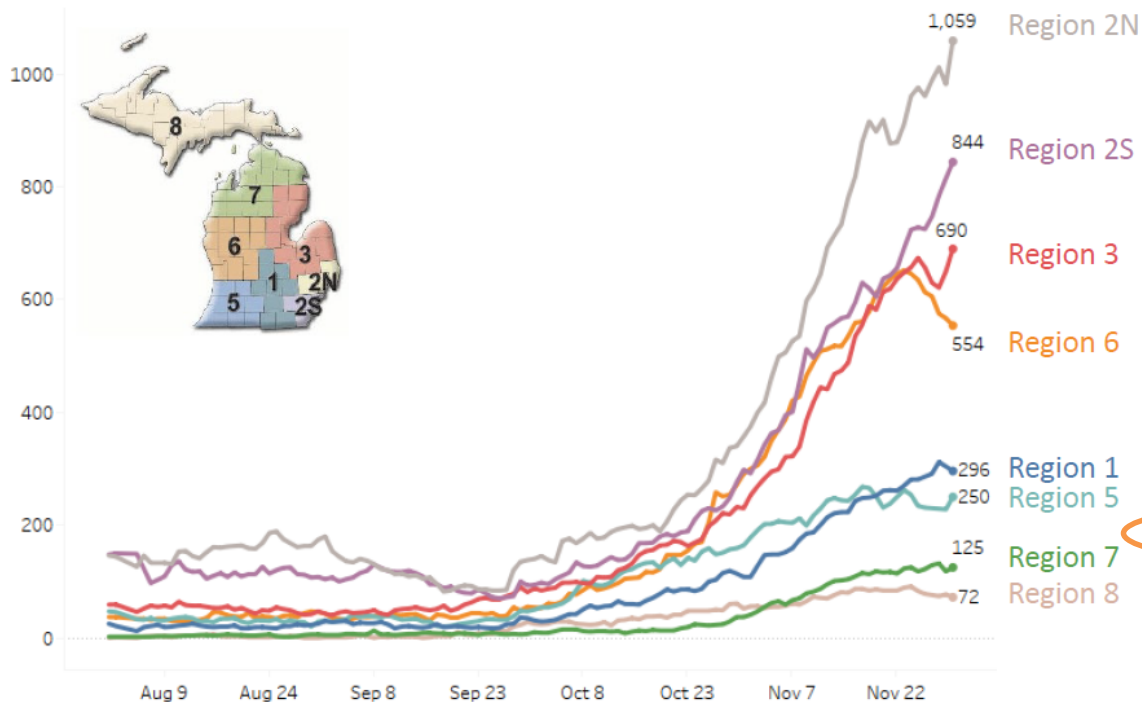
5/8 Regions remain >30% occupied with COVID+

| Region    | Adult COVID+ in ICU (% Δ from last week) | Adult ICU Occupancy | % of Adult ICU beds COVID+ |
|-----------|--|---------------------|----------------------------|
| Region 1  | 80 (0%)                                  | 78%                 | 40%                        |
| Region 2N | 153 (+4%)                                | 81%                 | 29%                        |
| Region 2S | 152 (-4%)                                | 81%                 | 20%                        |
| Region 3  | 157 (+1%)                                | 93%                 | 43%                        |
| Region 5  | 46 (+2%)                                 | 77%                 | 29%                        |
| Region 6  | 130 (+2%)                                | 80%                 | 42%                        |
| Region 7  | 63 (-17%)                                | 74%                 | 35%                        |
| Region 8  | 21 (-29%)                                | 81%                 | 36%                        |

Hospital bed capacity updated as of 11/27

# Statewide Hospitalization Trends: Regional COVID+ Census

Hospitalization Trends 8/1/2020 – 11/30/2020  
Confirmed Positive by Region



Many regions show slower or even decreasing growth in hospitalizations. Regions 1, 2N, and 2S continue to show increasing hospitalizations.

Regions 2N and 3 show high rates of population-adjusted COVID+ hospitalizations.

| Region    | Growth from Last Week | COVID+ Hospitalizations / MM |
|-----------|-----------------------|------------------------------|
| Region 1  | 11%                   | 274/M                        |
| Region 2N | 17%                   | 478/M                        |
| Region 2S | 22%                   | 379/M                        |
| Region 3  | 6%                    | 609/M                        |
| Region 5  | -5%                   | 263/M                        |
| Region 6  | -15%                  | 378/M                        |
| Region 7  | 2%                    | 250/M                        |
| Region 8  | -20%                  | 231/M                        |

# Best Practices for Organizations



COVID-19

# PAUSE TO SAVE LIVES



## Open



Two-household gathering  
(high precautions)\*



Hair salons, barber shops,  
other personal services



Small outdoor gatherings  
(25 people)



Gyms and pools  
(for individual exercise)



Retail



Restaurants and bars (outdoor  
dining, takeout, and delivery)



Preschool through 8th grade  
(local district choice)



Professional sports\*\*  
(without spectators)



Childcare



Parks and outdoor  
recreation



Manufacturing, construction,  
other work that is impossible  
to do remotely



Funerals  
(25 people)



Public transit



Health care

\*See Social Gathering Guidance.

\*\*Includes a limited number of NCAA sports.

## Not open



High schools  
(in-person learning)



Theaters, movie theaters,  
stadiums, arenas



Colleges and universities  
(in-person learning)



Bowling centers, ice skating  
rinks, indoor water parks



Workplaces, when work can  
be done from home



Bingo halls, casinos,  
arcades



Restaurants and bars  
(indoor dining)



Group fitness classes



Organized sports, except  
professional sports

For more information about the order, visit [Michigan.gov/Coronavirus](https://Michigan.gov/Coronavirus).  
Questions or concerns can be emailed to [COVID19@michigan.gov](mailto:COVID19@michigan.gov).



COVID-19



# SOCIAL GATHERING GUIDANCE

## PAUSE TO SAVE LIVES

Socializing with family or friends may feel safe, but it is risky – especially with COVID everywhere in Michigan today. It's best to only get together outside. If you must gather indoors, you may only see one other household at a time.

### To reduce risk, follow these guidelines:

**Pick only one other household to see over the next three weeks.** Even better, form a consistent **social pod**.

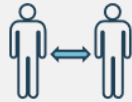
**Choose a household that is also being careful.** If anyone in either group feels sick, postpone the gathering.

**Limit duration indoors.** The longer the visit, the greater the risk.

### Follow these rules as much as possible:



Wear a mask – only take it off when you eat or drink, then put it back on.



Stay six feet apart.



Keep voices down and avoid shouting or cheering.



Do not share utensils.

**After a gathering, monitor yourself for symptoms of COVID-19. If anyone in the group feels sick, get tested.**

For more information about social gatherings, visit [Michigan.gov/Coronavirus](https://Michigan.gov/Coronavirus).  
Questions or concerns can be emailed to [COVID19@michigan.gov](mailto:COVID19@michigan.gov).



COVID-19

# SAFE SOCIAL “PODS”



## What is a pod?

A social pod is a core group of friends or family who agree to limit their in-person social activities to only each other, and practice physical distancing with anyone outside the group. Being part of a pod allows members to continue seeing people outside their household while reducing the risk of spreading COVID-19.

### Do

- ✓ **Agree up front exactly who is in the pod.** Keep your pod to under 10 people, and no more than one other household.\*
- ✓ **Discuss how vulnerable to COVID members of the pod are** (underlying medical conditions, over age 65).
- ✓ **Agree on how all members of the pod will limit risk** (e.g., not seeing people outside the pod other than masked outdoors, not working or attending school in person). *The whole pod takes on the risk of each member's exposure.*
- ✓ **Pledge to be truthful with one another about activities.**
- ✓ **Stay outdoors as much as possible, even within the pod.**
- ✓ **Communicate immediately if anyone has symptoms or exposure to COVID-19.** The entire pod needs to stop getting together immediately, and the person with COVID-19 symptoms should get tested *immediately*.

### Don't

- ✗ **Socialize with other people outside your pod,** except masked, outdoors, with at least 6 feet physical distance.
- ✗ **Pod with more than 10 people or two households.**
- ✗ **Be a part of more than one pod/social circle.**
- ✗ **Include people in your pod who have recently engaged in risky behaviors.**
- ✗ **Stop following essential public health guidance** (frequent handwashing, social distancing, wearing a mask).
- ✗ **Permit members of a household to be in different pods.**
- ✗ **Engage in activity that has not been agreed upon with your pod,** such as travel.
- ✗ **Stay in a pod if others are engaging in unsafe behavior** (e.g., going to large parties or gatherings).

\* Households means a group of people living together in a shared dwelling with common kitchen or bathroom facilities.

For more information about social pods, visit [Michigan.gov/Coronavirus](https://Michigan.gov/Coronavirus).  
Questions or concerns can be emailed to [COVID19@michigan.gov](mailto:COVID19@michigan.gov).



# COVID-19 MIOSHA EMERGENCY RULES

The rules implement workplace safeguards for all businesses and specific requirements for industries, including manufacturing, construction, retail, health care, sports and exercise facilities and restaurants and bars. These rules take effect on October 14, 2020 and shall remain in effect for six months.

## EMPLOYER REQUIREMENTS



### Establish Exposure Determination for Employees

- The employer should evaluate routine and anticipated tasks to determine anticipated employee exposure to COVID-19.
- The employer should categorize jobs into the following risk categories:
  - **Lower exposure risk** – do not require contact with public or other workers.
  - **Medium exposure risk** – require frequent and/or close contact (ex. within six feet) with people who may be infected with SARS-CoV-2, but who are not known or suspected COVID-19 patients. Workers in this category have contact with the general public and coworkers.
  - **High exposure risk** – high potential for exposure to known sources of COVID-19, these could include healthcare professionals, law enforcement, nursing home employees, medical transport or mortuary workers.
  - **Very high exposure risk** – high potential for exposure to known or suspected sources of COVID-19 during specific medical, postmortem or laboratory procedures. Workers in this category include healthcare, dental and morgue workers performing aerosol-generating procedures.



### Create a COVID-19 Preparedness and Response Plan

- The employer should develop and implement a written plan to prevent employee exposure to COVID-19.
- The plan should include exposure determination and detail the measures the employer will implement to reduce employee exposure, including any:
  - **Engineering controls** – barriers between the worker and exposure to the virus.
  - **Administrative controls** – policies, procedures and practices such as staggered work schedule, teleworking and increase social distancing measures.

- **Hand hygiene and environmental surface disinfection** – regularly clean and disinfect surfaces and equipment.
- **Personal protective equipment** – employees in frequent or prolonged close contact with known or suspected cases of COVID-19 must be provided with and wear, at a minimum, an N95 respirator.
- **Health surveillance** – screening protocols to identify known or suspected COVID-19 cases at the start of work shifts, employees should report any signs or symptoms of COVID-19.
- **Training** – employers should provide COVID-19 exposure prevention training to employees, including steps to report signs and symptoms of COVID-19.



### Establish Workplace Procedures

- Identify a workplace COVID-19 coordinator.
- Examine and update policies like telework.
- Mandate face coverings as required.
- Train employees on new procedures and policies.
- Employee health screening procedures – prior to work.



### Workplace Procedures - Cleaning

- The employer should routinely clean and disinfect all areas such as offices, common areas, bathrooms, shared electronic equipment and frequently touched surfaces.
- If a sick employee is suspected or confirmed to have COVID-19, perform enhanced cleaning and disinfection of the workplace.



### Workplace Procedures - Sick Employees

- Require employees to report when they receive a positive test or are experiencing symptoms of COVID-19.
- Require employees to self-isolate. Employees should notify supervisors and stay home. Do not allow employees to return until home isolation criteria is met (Follow CDC Guidance) and inform other employees of possible workplace exposure (ADA compliant – keep confidentiality).



### Employee Training

- Training should cover new policies and procedures like screening procedures, telework duties and employee reporting policy. Be sure to train on new controls like personal protective equipment (PPE) requirements and cleaning of workspace.

# Core Mitigation Strategies



- Proper mask use
- Social Distancing
- Frequent Handwashing
- Staying Home when Sick



# Mask Use

- ▶ Masks have shown to work at slowing disease spread by about 70%
  - ▶ Face masks block an individual's respiratory droplets from landing in the mouths or noses of people who are nearby or possibly being inhaled into the lungs.
- ▶ Sources: [Howard, J., Huang, A. et al. 2020](#); [Wang, Y., Tian, H., et al. 2020](#); Centers for Disease Control and Prevention; [Davies, A., Thompson, K. et al. 2013](#).
- ▶ Specifically with pediatric COVID-19 patients, data showed that children can carry high levels of virus in their upper airways, particularly early in an acute SARS-CoV-2 infection, yet they display relatively mild or no symptoms ([Yonker, L., Neilan, A. et al., 2020](#)).
  - ▶ This suggests that children can be superspreaders to COVID-19

# COVID-19 Immunity

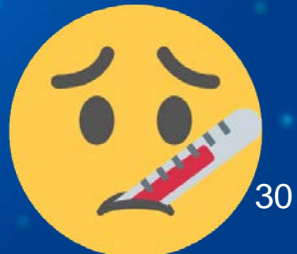
## ▶ Vaccine

- ▶ COVID-19 vaccination will help protect you by creating an antibody response without having to experience sickness.

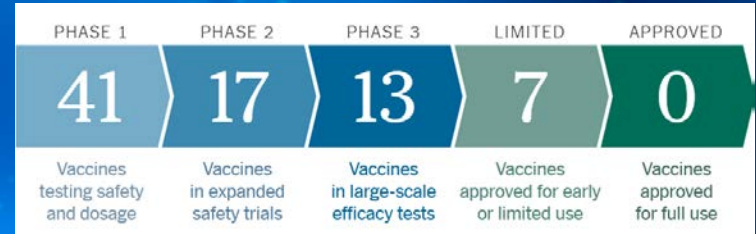


## ▶ Infection acquired

- ▶ Unclear whether clinically recovered patients acquire the protective immunity from re-infection.
- ▶ Some cases of re-infection of COVID-19



# Community Vaccination and/or Herd Immunity



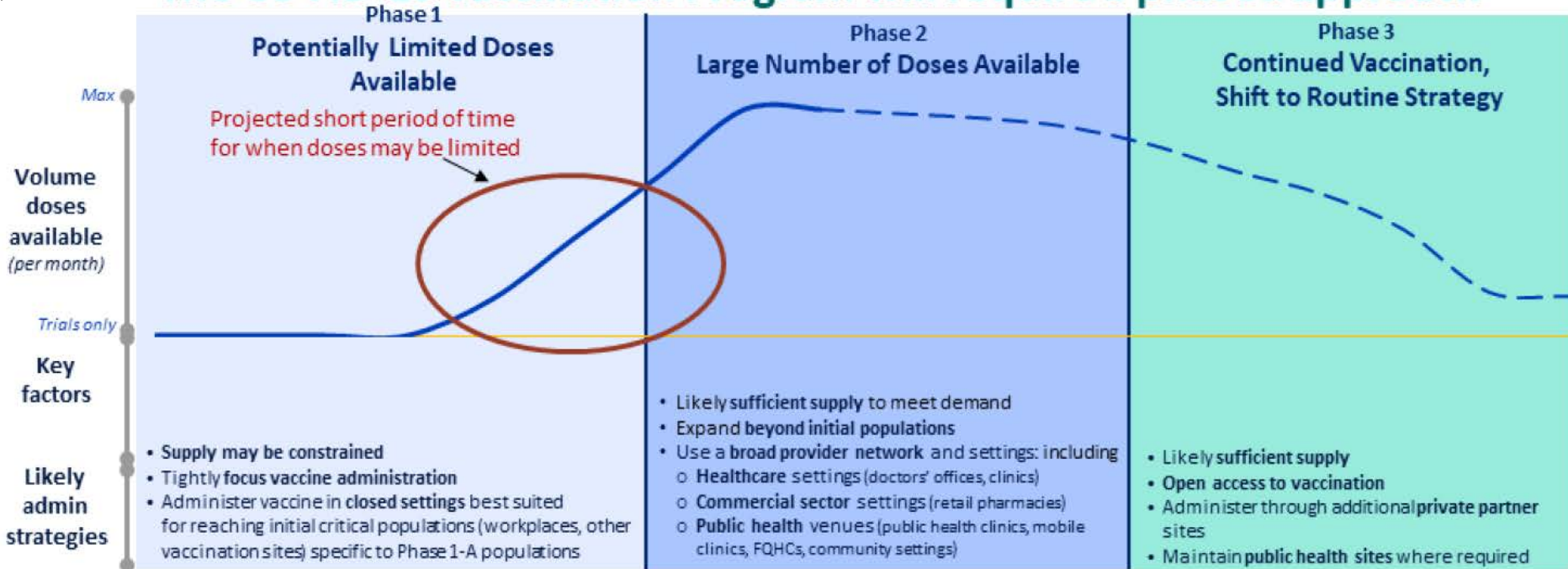
## Vaccine Distribution:

- ▶ State and Local Health Departments currently identifying sources for ultra cold storage and purchasing what is needed
- ▶ Gun Lake has donated funds for a mobile vaccine clinic





# The COVID-19 Vaccination Program will require a phased approach

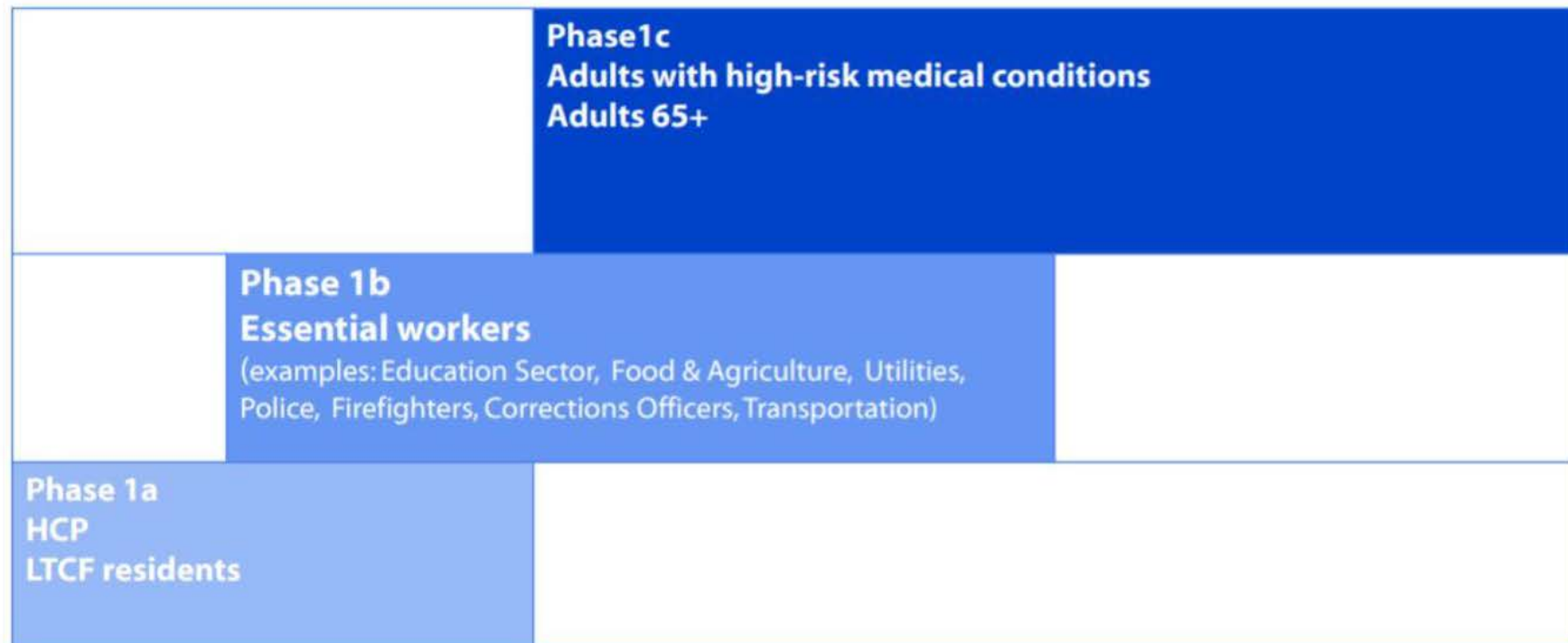


## Populations of Focus\*

| Phase 1   | Phase 2  | Phase 3  |
|---|--|--|
| <p><b>Phase 1-A:</b></p> <ul style="list-style-type: none"> <li>• Paid and unpaid persons serving in healthcare settings who have the potential for direct or indirect exposure to patients or infectious materials and are unable to work from home.</li> </ul> <p><b>Phase 1-B:</b></p> <ul style="list-style-type: none"> <li>• Other essential workers</li> <li>• People at higher risk of severe COVID-19 illness, including people 65 years of age and older</li> </ul> | <ul style="list-style-type: none"> <li>• Remainder of Phase 1 populations</li> <li>• Critical populations**</li> <li>• General population</li> </ul> | <ul style="list-style-type: none"> <li>• Remainder of Phase 1 populations</li> <li>• Critical populations**</li> <li>• General population</li> </ul> |

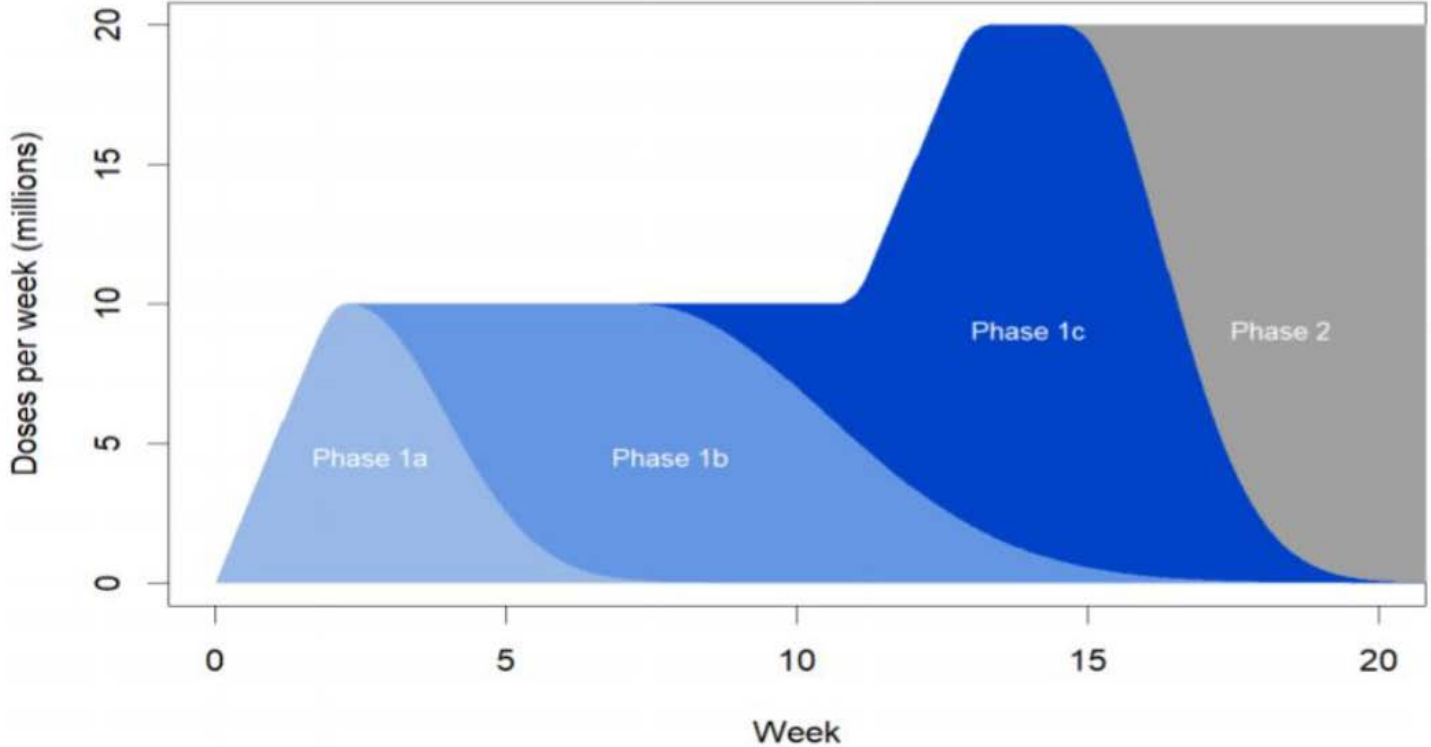


# Proposed Interim Phase 1 Sequence



**Time**

# Example of a possible Phase 1 sequence



## Vaccine A

### SHIPMENT

*3 separately acquired components (mixed on site)*

1. Vaccine

- Direct to site from manufacturer (on dry ice)
- Multidose vials (5 doses/vial)

2. Diluent

- Direct to site from the US Government (USG) at room temperature)

3. Ancillary supply kits (for administration and mixing)

- Direct to site from USG (at room temperature)

### ON-SITE VACCINE STORAGE

*Frozen (-70 °C ± 10 °C)*

- Must be used/recharged within 10 days
- Storage in shipping container OK (replenish dry ice within 24 hours of receiving shipment and again 5 days later)

*Thawed but NOT reconstituted (2–8 °C)*

- Must use within 5 days (discard unused doses after 5 days)

*Reconstituted (room temperature)*

- Must use within 6 hours (discard any unused, reconstituted vaccine after 6 hours)

### ORDERS

*Large quantities, to large administration sites only*

- Minimum order: ~1,000 doses
- Maximum order: ~5,000 doses

### ADMINISTRATION

*2-dose series (21 days between doses)*

- On-site mixing required; reconstitute with diluent just prior to administration
- Administer by intramuscular (IM) injection

## Vaccine B

### SHIPMENT

#### *2 separately shipped components*

##### Vaccine

- To central distributor (at -20°C)
- Multidose vials (10 doses/vial)

##### Ancillary supply kits

- Direct to site from USG (at room temperature)

### ON-SITE VACCINE STORAGE

#### *Frozen (-25°C to -15°C until ready for use)*

Note: This is a narrower range than for varicella-containing vaccines.

#### *Refrigerated (2°C to 8°C)*

- Must use within 7 days if the vial has not been entered
- Thaw before use:
  - Thaw in refrigerated conditions between 2°C to 8°C for 2 hours. Let vial stand at room temperature for 15 minutes before administering.
  - Alternatively, thaw at room temperature between 20°C to 25°C for 1 hour.
  - After thawing, do not return vial to the freezer.

#### *Room temperature*

- The total time between removal from refrigeration and administration should be no more than 12 hours.
- Once the vial has been entered, it must be used within 6 hours (discard any unused vaccine after 6 hours).

### ORDERS

#### *Central distribution capacity*

- Required by Dec 2020
- Maintained at -20°C

### ADMINISTRATION

#### *2-dose series (1 month between doses)*

- No on-site mixing required
- Once thawed, swirl vaccine gently prior to withdrawing a dose. Do NOT shake.
- Administer by intramuscular (IM) injection.

# Vaccine allocations within Michigan

- ◆ Pfizer Vaccine (est. 86,400 doses initially)
  - EUA submitted on (11/20/20)
  - FDA/ACIP meeting 2<sup>nd</sup> week Dec, expect vaccinations to begin shortly after
  - Initial allocation to hospitals
  - Allocations to LHDs that can accommodate 975 dose orders
- ◆ Moderna Vaccine (est. 168,750 doses initially)
  - EUA submitted on (11/30/20)
  - Expect vaccination before the end of the year
  - Broader distribution, potential approval within weeks of Pfizer
  - Allocations to LHDs for use on 1A populations such as EMS and to the smaller hospitals





# Logistics of Vaccination Efforts

- ◆ Storage and management of the vaccine
- ◆ Retain social distancing during vaccination event
- ◆ Plan for managing mild side effects from the vaccine, low grade fever, malaise, soreness at the injection site
- ◆ Reporting and tracking vaccination in MCIR
- ◆ Uptake of vaccination



# Initial Pfizer Vaccine Distribution (1A)

| Sites  | Vaccine throughput within 10 days               |
|--|---|
| 48 Hospital Sites with Ultra-Cold Storage  | 99,743 adults vaccinated                        |
| 12 Hospitals sites without Ultra-Cold Storage but with the ability to vaccinate at least 1,000 people in 10 days | 30,420 adults vaccinated                        |
| 12 Local Health Department Sites with Ultra-Cold Storage   | 40,385 adults vaccinated                        |
| 72 Total Sites   | 170,548 total adults vaccinated with first dose |

# Initial Moderna Vaccine Distribution (1A)

| Sites  | Vaccine throughput within 10 days               |
|--|---|
| 70 Hospital Sites able to store Moderna vaccine                | 37,957 adults vaccinated                        |
| 32 Local Health Department Sites able to store Moderna vaccine | 24,461 adults vaccinated                        |
| 102 Total Sites  | 195,009 total adults vaccinated with first dose |



# Vaccine Prioritization ( preliminary)

- ◆ **Priority 1A: Paid and unpaid persons serving in healthcare settings who have the potential for direct or indirect exposure to patients or infectious materials**
- ◆ **Priority 1A, Tier 1**
  - EMS
  - Hospital
    - General Medical Floor
    - Emergency Department
    - ICU
  - Skilled Nursing Facilities

# Vaccine Prioritization ( preliminary)

- ◆ Priority 1A, Tier 2
  - State psychiatric hospitals
  - Homes for the Aged
  - Adult Foster Care Centers
  - Home health workers



# Communications Strategy

- ◆ Built off current COVID campaign and ongoing research through Edison
  - Vaccine hesitancy and messaging survey fielded through Dec. 3, heavily focused in communities of color
- ◆ Internal and external comms stakeholder leadership group
- ◆ Focus on general public, healthcare providers, businesses, faith-based, minorities, general population
- ◆ Two phases:
  - Education and awareness focused on safety and efficacy
  - Encouragement to get vaccine ( including paid media after vaccine becomes available)



# Alleghan County Communications Strategy

- ▶ Similar to MDHHS
- ▶ Looking for Community Volunteers to join Vaccine Communication Taskforce.
- ▶ Please email [Imaunz@allegancounty.org](mailto:Imaunz@allegancounty.org) if interested.
  - ▶ Looking to send information out by Friday

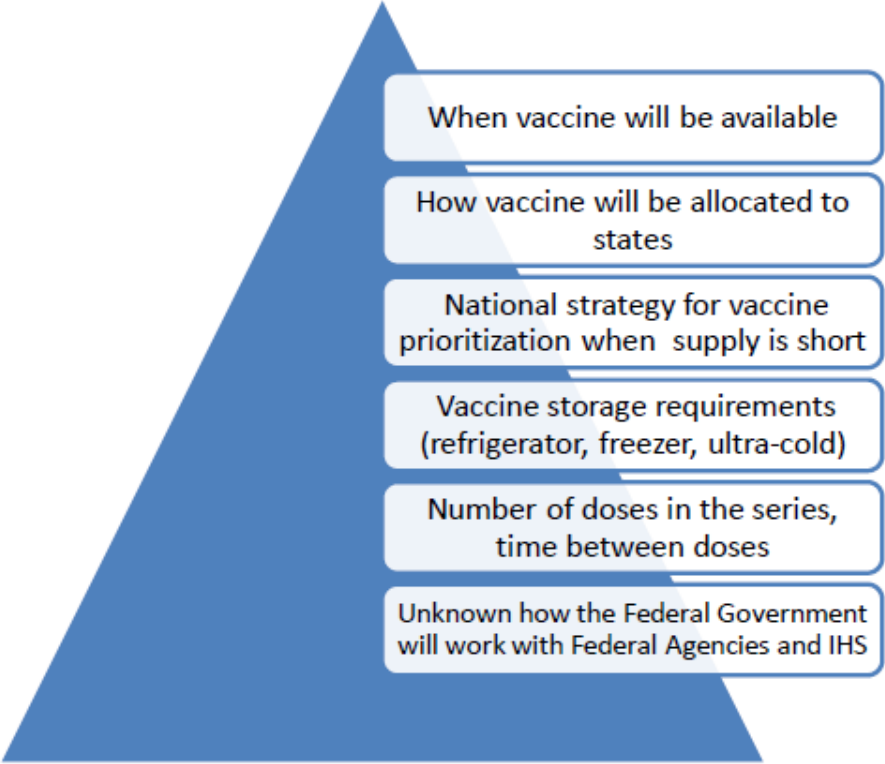


# Key Performance Indicators

|  |   |
|--|---|
| Number of Enrolled Providers                   | Number of Providers, by practice type, that are enrolled in the COVID vaccination program |
| Number of Doses Administered in Michigan       | Number of doses of COVID vaccine distributed in Michigan                                  |
| Percent Vaccinated by Age Group*               | Percent of the population vaccinated by age group, race and ethnicity                     |
| Number of Doses Administered                   | Number of doses of COVID vaccine administered, by age group                               |
| Number of people Received 2 <sup>nd</sup> Dose | Number of individuals who have received their second dose of COVID vaccine                |

\*Evaluating strategies to include race/ethnicity, which has historically not been tracked for vaccinations

# Unknowns for Vaccine Distribution



When vaccine will be available

How vaccine will be allocated to states

National strategy for vaccine prioritization when supply is short

Vaccine storage requirements (refrigerator, freezer, ultra-cold)

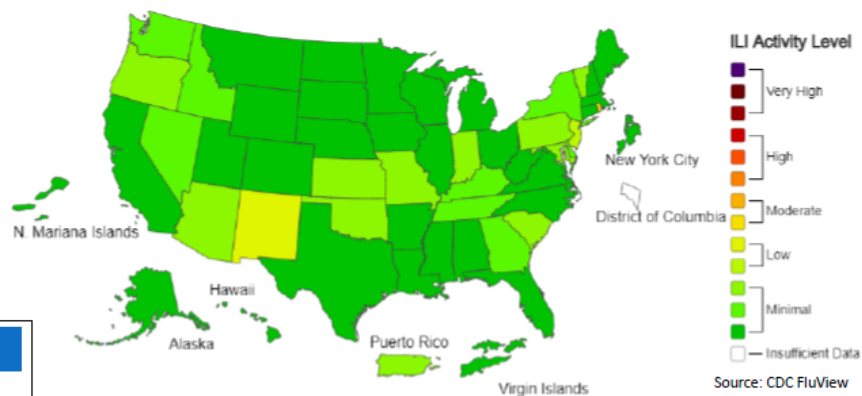
Number of doses in the series, time between doses

Unknown how the Federal Government will work with Federal Agencies and IHS

*Data provided in this report are preliminary and will be updated as additional data is received*

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet

2020-21 Influenza Season Week 47 ending Nov 21, 2020



Note: This graph represents U.S. ILI activity levels reported to ILINet. Geographic spread of influenza has been suspended for the 2020-2021 influenza season

### Updates of Interest

Seasonal influenza activity in the United States remains lower than usual for this time of year.

Please see the following link to CDC's FluView report for more details:

<https://www.cdc.gov/flu/weekly/>

### Influenza-associated Pediatric Mortality

Nationally, no (0) influenza-associated pediatric deaths have been reported thus far for the 2020-2021 flu season.

195 pediatric flu deaths were reported for the past 2019-2020 flu season.

# FLU CLINICS

Free Flu Vaccines for anyone 6 months and older without insurance or with insurance that does not cover vaccines

**3255 122nd Ave., Suite 200, Allegan**

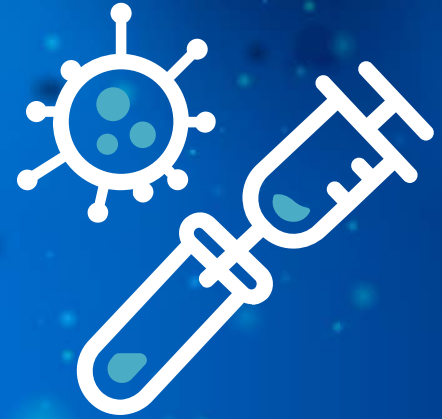
- Thursday, December 3rd from 1:00pm to 4:00pm
- Thursday, December 10th from 9:00am to 12:00pm and 1:00pm to 4:00pm
- Thursday, December 17th from 9:00am to 12:00pm and 1:00pm to 4:00pm



**HEALTH**  
Department

**To make an appointment,  
call (269) 673-5526**

ACHD Hotline: (269) 686-4546



Email: [COVID-19@allegancounty.org](mailto:COVID-19@allegancounty.org)



HEALTH  
Department