COVID-19 Mass Testing and Containment

**MITIGATION ROADMAP**

1. Enhanced Ability to Test
2. Robust Case Investigation and Contact Tracing
3. Sufficient Health Care Capacity
4. Best Practices for Organizations
5. Community Vaccination and/or Herd Immunity

**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**

1. Test
2. Isolate
3. Find
4. Quarantine

- Test: Test daily
- Isolate: All infected people
- Find: Everyone who has been in contact with infected people
- Quarantine: All contacts self-isolate for 14 days

**HEALTHCARE CAPACITY**

**MORTALITY**
Allegan County COVID-19 Dashboard, data as of 8/10/20 at 2pm
http://alleganco.maps.arcgis.com/apps/opsdashboard/index.html#/c05e1ec6222944748968f351273b3d41
Infection rate
MICHIGAN

On average, each person in Michigan with COVID is infecting 1.02 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 8/9/2020. 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.
Infection rate
ALLEGAN COUNTY, MICHIGAN

On average, each person in Allegan County, Michigan with COVID is infecting 0.69 other people. Because each person is infecting less than one other person, the total number of current cases in Allegan County, Michigan is shrinking.

Last updated 8/9/2020. 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/
MI Safe Start Map, Allegan County

- [https://mistartmap.info/](https://mistartmap.info/)
- Compares counties, MERC regions on a population level (per million)
MI Safe Start Map, Allegan County

- [https://mistartmap.info/](https://mistartmap.info/)
- Compares counties, MERC regions on a population level (per million)
Public Health Capacity

Allegan County Daily Tests Per Million Over Time

Click and drag in the plot area to zoom in

Tests

2.4k daily per million

281 daily tests administered

Aug 07
Cases by Sex

46% Female
54% Male

Cases by Age

Data as of 8/7/2020 at 2:00pm. Source: Michigan Disease Surveillance System
Cases by Race:
- American Indian or Alaskan Native: 2%
- Asian: 11%
- Black or African American: 75%
- Caucasian: 1%
- Other Race: 1%
- Unknown: 1%

Cases by Ethnicity:
- Hispanic or Latino: 11%
- Not Hispanic or Latino: 54%
- Unknown: 35%

Data as of 8/7/2020 at 2:00pm. Source: Michigan Disease Surveillance System
### Epidemiologic Information

#### Overall Percent

<table>
<thead>
<tr>
<th>Category</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Healthcare Worker</td>
<td>11.8%</td>
</tr>
<tr>
<td>Live or work in high-risk/congregate facility</td>
<td>7.2%</td>
</tr>
<tr>
<td>First Responder</td>
<td>0.2%</td>
</tr>
<tr>
<td>Other Essential Worker/Critical Infrastructure</td>
<td>21.6%</td>
</tr>
<tr>
<td>Healthcare Contact to confirmed care</td>
<td>1.8%</td>
</tr>
<tr>
<td>Community Contact to confirmed case</td>
<td>15.6%</td>
</tr>
<tr>
<td>Household Contact to confirmed case</td>
<td>28.3%</td>
</tr>
<tr>
<td><strong>Total Cases: 505</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Cases Reported in Past two weeks Percent

<table>
<thead>
<tr>
<th>Category</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>In quarantine at time of onset/positive test</td>
<td>34.6%</td>
</tr>
<tr>
<td>Associated with known cluster/outbreak</td>
<td>1.3%</td>
</tr>
<tr>
<td>Any Contact to confirmed case</td>
<td>51.3%</td>
</tr>
<tr>
<td>Healthcare contact to confirmed case</td>
<td>0%</td>
</tr>
<tr>
<td>Community contact to confirmed case</td>
<td>17.9%</td>
</tr>
<tr>
<td>Household contact to confirmed case</td>
<td>33.3%</td>
</tr>
<tr>
<td>Attended Community Event/Mass Gathering</td>
<td>2.6%</td>
</tr>
<tr>
<td>Any Travel (international, domestic, in state)</td>
<td>26.9%</td>
</tr>
<tr>
<td>Source of Infection is unknown</td>
<td>28.2%</td>
</tr>
<tr>
<td><strong>Number of cases reported in past 2 weeks: 78</strong></td>
<td></td>
</tr>
</tbody>
</table>

Data as of 8/5/2020. Source: Michigan Disease Surveillance System
## Clinical Information

### Asymptomatic Cases: 19.5%

<table>
<thead>
<tr>
<th>Symptoms</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatigue/Lethargy/Weakness</td>
<td>63.7%</td>
</tr>
<tr>
<td>Cough</td>
<td>64.5%</td>
</tr>
<tr>
<td>Fever</td>
<td>57.3%</td>
</tr>
<tr>
<td>Chills/Rigor</td>
<td>54.3%</td>
</tr>
<tr>
<td>Shortness of Breath</td>
<td>25.3%</td>
</tr>
<tr>
<td>Difficulty Breathing</td>
<td>19.4%</td>
</tr>
<tr>
<td>Muscle Aches (Myalgia)</td>
<td>53.2%</td>
</tr>
<tr>
<td>Headaches</td>
<td>58.5%</td>
</tr>
<tr>
<td>Runny Nose</td>
<td>34.1%</td>
</tr>
<tr>
<td>Nausea or Vomiting</td>
<td>19.6%</td>
</tr>
<tr>
<td>Congestion</td>
<td>38.3%</td>
</tr>
<tr>
<td>Sore Throat</td>
<td>36.4%</td>
</tr>
<tr>
<td>Diarrhea</td>
<td>22.5%</td>
</tr>
<tr>
<td>Loss of taste or smell</td>
<td>37.7%</td>
</tr>
</tbody>
</table>

Data as of 8/5/2020.
Source: Michigan Disease Surveillance System
### Allegan County Public Health Proposed Testing Strategies

<table>
<thead>
<tr>
<th>Strategies</th>
<th>May 15- May 22</th>
<th>May 23- June 15</th>
<th>June 16- July 16</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Congregate Care - Jail, Youth Home, and Long Term Care Facilities (LTCF)</strong></td>
<td>Met with Jail and LTCF leadership to discuss baseline testing</td>
<td>Jail and LTCF in collaboration with National Guard (NG) and ACHD will do baseline testing if supplies are received from NG</td>
<td>Consider routine testing of asymptomatic staff/residents/inmates if supplies are available</td>
</tr>
<tr>
<td><strong>2. Congregate Care- Adult Foster Care (ADF) and Migrant Camps (Intercare)</strong></td>
<td>Surveyed all ADF on needs for PPE and testing.</td>
<td>Contact ADF and Migrant Camps with collaboration of Intercare/MSU to discuss baseline testing</td>
<td>Consider Baseline testing and routine testing of staff at minimum and partner to conduct the voluntary testing</td>
</tr>
<tr>
<td><strong>3. Community Based Drive thru Testing sites with other partners</strong></td>
<td>Testing with Intercare. Started for Drive thru testing. Public Health will screen and provide physician order as needed</td>
<td>Market the Tuesday/Thursday site to ensure appointments are filled. Work with Intercare if testing rates remain low to consider asymptomatic. Consider all partners.</td>
<td>Continue to ensure all appointments are filled and see if there is any ability to expand testing</td>
</tr>
<tr>
<td><strong>4. Community Based using Points of Distribution (PoD Sites with current Strategic National Stockpile (SNS) Plan)</strong></td>
<td>Reviewed POD sites and did revisions, discussed with facilities and are open to PODS being used as drive thru testing sites</td>
<td>Update any outstanding agreements with POD sites, determine resources needed and secure resources</td>
<td>If supplies and staff are available Develop a testing schedule similar to what was done with H1N1</td>
</tr>
</tbody>
</table>

**July 16-August 16**
- Continue routine testing of staff to ensure any asymptomatic are caught early and contacts are put on quarantine until a vaccine or herd immunity is obtained.
- Continue to do testing per rotating schedule until vaccination and/or herd immunity is acquired.

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**Flu Vaccination Campaign to help with hospital capacity**

**Creating Vaccination Plan in alignment with MDHHS for fall**
For more information about scheduling an event, please contact Ryan Grinnell Director of Operations by e-mail at rgrinnell@intercare.org.

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**IMPORTANT CHANGES IN DRIVE-THRU TESTING HOURS**

Monday - August 10th
Bangor - No Testing
Holland 1:00PM - 6:00PM *Moved to the afternoon.
Benton Harbor 10:00AM - 6:00PM

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**CHANGE IN COVID-19 TESTING TIMES**

**MONDAY - AUGUST 10, 2020**

**BANGOR**
NO COVID-19 Testing TODAY
*Moved to Wednesday 9:00AM - 3:00PM

**BENTON HARBOR**
10:00AM - 6:00PM

**HOLLAND**
*Moved to the afternoon.
1:00PM - 6:00PM

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**IMPORTANT UPDATE**

There will be no drive-thru COVID-19 testing at our Pullman Health Center today. Testing will be available in Pullman on the following days and times:
Tuesday 1:00PM-4:00PM
Friday 9:00AM-12:00PM [*Beginning 7/24]

For more information about other testing locations available today, please call (855)869-6900.
Need Additional Testing Locations

- Looking at Testing Locations for Thursdays, starting 8/20/20. More to come, looking at facilities and agreements
  - Next testing clinic is 8/20/20 with location TBD
- www.Michigan.gov/coronavirustest
- Total Tested to date with ACHD collaboratives (since 6/6/20): 748
  - Known Positives: 25
Are neck gaiters or bandanas an acceptable face covering?

- Per EO 2020-153, Any individual who leaves their home or place of residence must wear a face covering over their nose and mouth.

- A study published on 8/7/20 measured droplet transmission on 14 commonly found face coverings, including surgical masks, cloth homemade masks, neck fleeces, and N95s.
  - Droplet transmission fraction ranging from below 0.1% (fitted N95 mask) to 110% (fleece mask) relative to the control trials.
  - Speaking through some masks (particularly the neck fleece) seemed to disperse the largest droplets into a multitude of smaller droplets, which explains the apparent increase in droplet count relative to no mask in that case. Considering that smaller particles are airborne longer than large droplets (larger droplets sink faster), the use of such a mask might be counterproductive.
This table and map attempt to summarize Governor Whitmer’s executive orders related to COVID-19. The executive order should always be reviewed, and in the event of a conflict between the order and this table, the order controls.

Regions on this map and table were created by analyzing work and commuting patterns. The colors in this map indicate the phase of the Mi Safe Start Plan for each region. The phase is based on a variety of factors including: (1) data on COVID-19 infections and the disease’s rate of spread; (2) whether sufficient medical personnel, hospital beds, and ventilators exist to meet anticipated medical need; (3) the availability of personal protective equipment for the health care workforce; (4) the state’s capacity to test for COVID-19 cases and isolate infected people; and (5) economic conditions in the state.

Businesses are subject to these orders and may also be subject to guidance issued by MIOSHA, LARA, and other state agencies where applicable. Social distancing and mask requirements apply to all activities listed in the table.

Download a copy of the Mi Safe Start Restrictions by Category
Food Safety, pesticides, animal and plant health, gas station complaints:

- File a Complaint with MDARD.

COVID-19 Testing for Agricultural Workers

- **MDHHS Emergency Order**: provides test requirements, roles and responsibilities of the State of Michigan and agricultural employers, as well as testing requirements for workers and more.

- These agricultural employers are:
  - Any employer of migrant or seasonal workers, Meat, poultry, and egg processing facilities, and Greenhouses
Restaurant Complaints

- Allegan County Health Department has authority on licensed food establishments within the county.
- If there is a violation of any executive order restaurants should be following, please submit an inquiry form.
- Great reduction in complaints!!!
EMPLOYERS: Understanding COVID-19 Transmission and Close Contacts

One of your employees was diagnosed as a confirmed or probable COVID-19 case. What should you do?

Confirmed or Probable COVID-19 Case

1. Contact the Local Health Department based on the employee’s residence and additionally based on the location of any exposed workplace facilities.
2. Sometimes there are delays in lab results or surveillance.

Identify close contacts

1. Look at operations flow and determine close contacts of the confirmed or probable case.
   a. A close contact is considered someone closer than 6 feet together for 15 or more minutes within 48 hours PRIOR to positive case’s symptom onset or a positive test result.

What should close contacts do?

2. Close contacts should quarantine for 14 days and monitor symptoms daily.
   1. Some individuals may want to get tested right away for various reasons. Public Health recommends to wait until the viral load increases, which is estimated to be 5 days post-exposure.
   2. If symptoms develop, they should get tested immediately.
   3. Close contacts can return to work once quarantine period is complete.

Frequently Asked Questions

I was around a close contact of a confirmed case. Should I get tested right now?

If you pick up a virus, such as COVID-19, it takes about 3-5 days for the viral load to be high enough to be positive on a diagnostic test. In this case, only test if you develop symptoms.

Contacts of a close contact: Individuals who have been around identified close contacts of a confirmed/probable case prior to the close contact being quarantined.

What to do:
- Go about life as usual
- Provide mindfulness distancing from others
- Wear a face mask
- Clean and sanitize highly touched surfaces
- Practice frequent hand washing
- Self-check for symptoms

When your situation would change:
- If the close contact tests positive and you’ve had close contact closer than 6’ together, 10 or more minutes within 48 hours (2 days) PRIOR to their positive test, you should quarantine.
- If the close contact begins to develop symptoms and you’ve had close contact with the individual within the last 48 hours, you should quarantine.

When is the right time to get tested?

COVID-19 is a novel virus. We are still learning many issues around this virus. As Michigan has expanded testing capacity, anyone can get tested for coronavirus. However, if you are concerned about a potential risk of exposure, it’s important to test at the right time to properly connect you to the epidemiological links of the virus. It takes about 3-5 days on average for the viral load in the body to be high enough to show a positive result on a diagnostic test. If you are going out into public, it is important to monitor your symptoms daily.

What’s the proper personal protective equipment (PPE)?

Refer to your Employer’s COVID-19 Preparedness and Response Plan for the PPE to be worn at work. The more often you practice COVID-19 mitigation strategies (handwashing, social distancing, wearing face coverings) the risk of COVID-19 transmission goes down.

For more information, please contact your Local Public Health Department: https://www.majph.org/resourcev/directory

DISCLAIMER: This information was developed based on the latest guidance at the time. Please visit cdc.gov/coronavirus or Michigan.gov/coronavirus for the latest information.
Contact Randy Rapp, Health Department Liaison for COVID-19 Incident, if you need to be added to the Community Leaders COVID-19 Updates every other Monday at 4:00 list, are requesting materials to be made, or have further questions.

rrapp@allegancounty.org
(269) 673-5411

ACHD Hotline: (269) 686-4546
Email: COVID-19@allegancounty.org
Questions/Feedback?

What can we do to support you?