

Michigan's Novel 2019 Coronavirus (COVID-19) Response

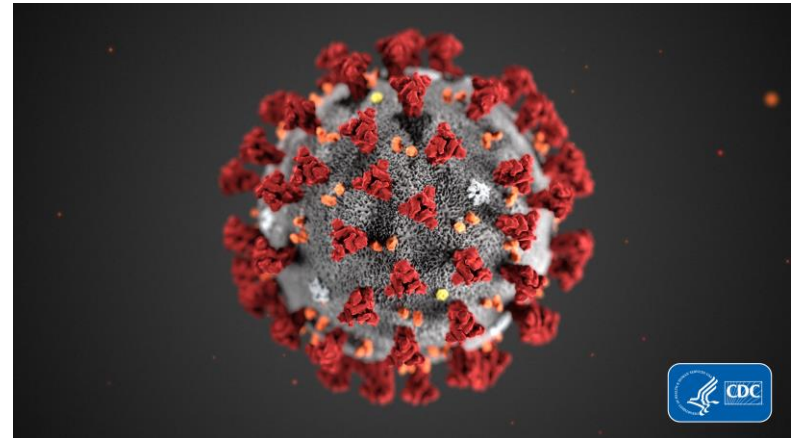
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Michigan Department of Health and Human Services
March 12, 2020

What is a coronavirus?

- Coronaviruses:
 - Large family of viruses
 - Circulate among humans and animals
 - 5 known in humans
 - COVID-19 different coronavirus than SARS and MERS
 - Thought to spread via respiratory droplets



COVID-19

- New virus, not previously seen in humans
- Symptoms include fever, cough, runny nose, shortness of breath
- Incubation period 2-14 days
 - Most people appear to be getting ill around day 5-6
- Case fatality rate around 1-3%
 - Flu mortality rate 0.1%, SARS 10%, Ebola 50%
 - Higher mortality in elderly
 - Depends on reporting and testing
- Likely underreporting and many mild cases

2019 COVID-19 Timeline

December
2019

- 2019-nCoV detected in Wuhan City, Hubei Province, China

January
21, 2020

- First U.S. case identified

January
30, 2020

- First confirmed person to person transmission in the U.S.

January
31, 2020

- National Public Health Emergency declared by the U.S. Department of Health and Human Services

February
2, 2020

- All foreign nationals with travel to China within the past 14 are barred from entering U.S.
- Detroit-Wayne County Airport will serve as one of eleven airports screening and quarantining high risk U.S. citizens and permanent residents arriving from China

February
3, 2020

- MDHHS activates the Community Health Emergency Coordination Center (CHECC) to support response to novel coronavirus

February
28, 2020

- Governor Whitmer activates the State Emergency Operations Center to coordinate State of Michigan response

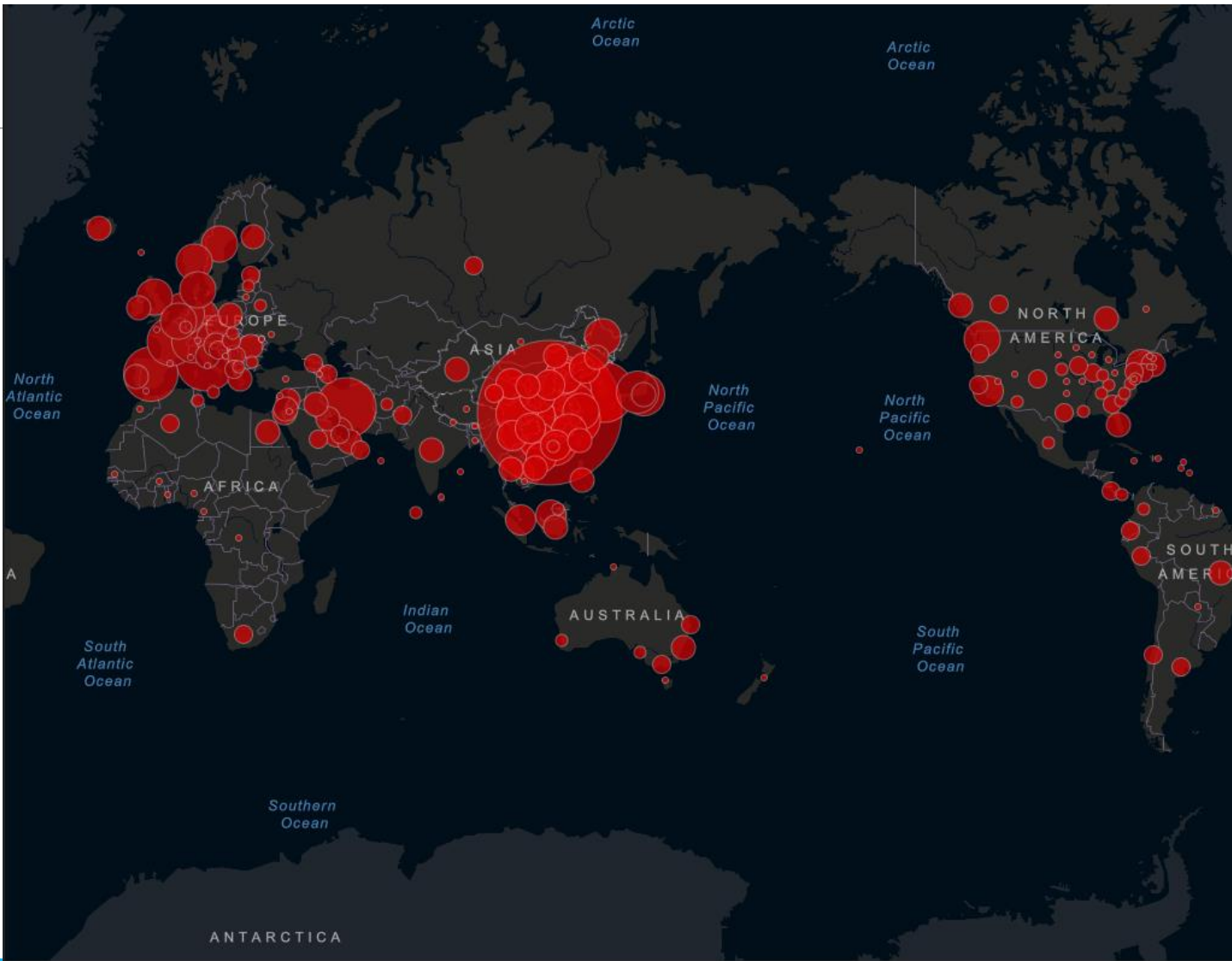
March
10, 2020

- Michigan announces first two presumptive positive COVID-19 cases

March
11, 2020

- World Health Organization declares COVID-19 a global pandemic

Confirmed COVID-19 Cases



CDC Travel Warnings as of March 11, 2020

Warning Level 3: travelers avoid all nonessential travel

- China
- South Korea
- Iran
- Italy

Alert Level 2: Older adults and those with chronic medical conditions should consider postponing nonessential travel

- Japan

Watch Level 1: Travelers should practice usual precautions

- Hong Kong

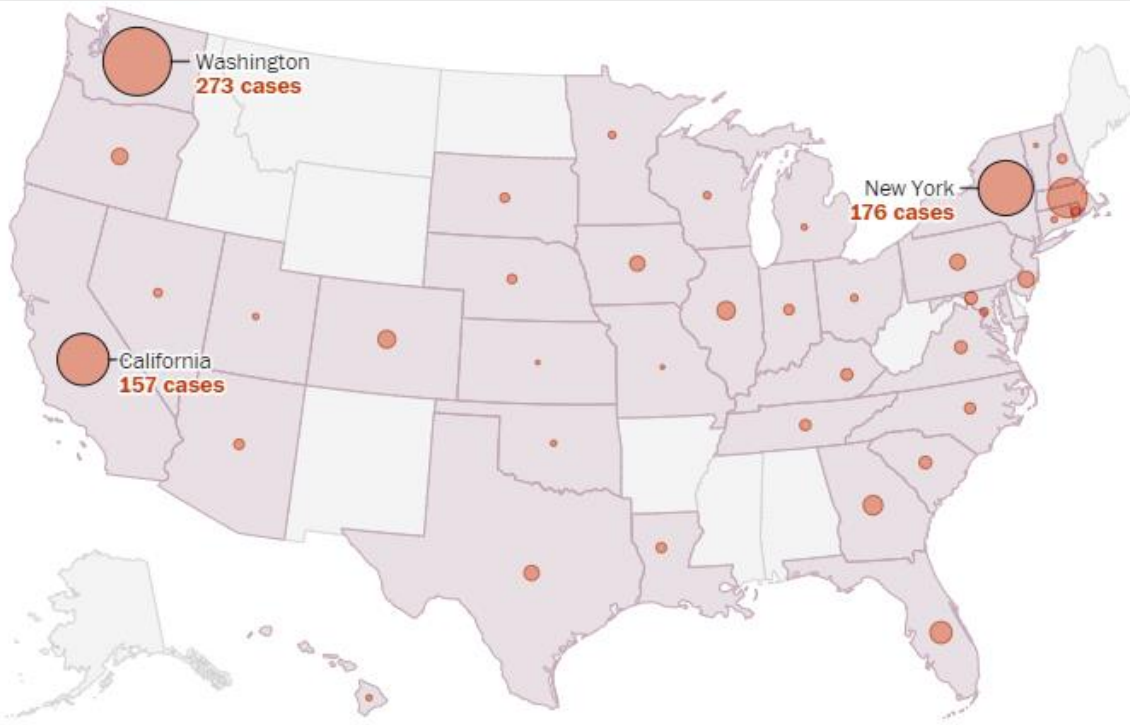
Confirmed COVID-19 Cases Worldwide As of 3/11/2020

- Globally: Over 120,000 total, over 4,300 deaths
- Mainland China: Over 80,000, over 3,100 deaths
- Outside of Mainland China:
 - Approximately 35,000 cases reported in 118 countries, 1,200 deaths
 - 696 cases among Diamond Princess Cruise passengers, 6 deaths



Confirmed COVID-19 Cases in the United States

As of 3/11/2020



COVID-19 in the U.S.

Total Cases	938
Total Deaths	29
States Reporting Cases (Including District of Columbia)	39

Source: <https://www.washingtonpost.com/world/2020/01/22/mapping-spread-new-coronavirus/?arc404=true>

Confirmed COVID-19 Cases in the United States As of 3/11/2020

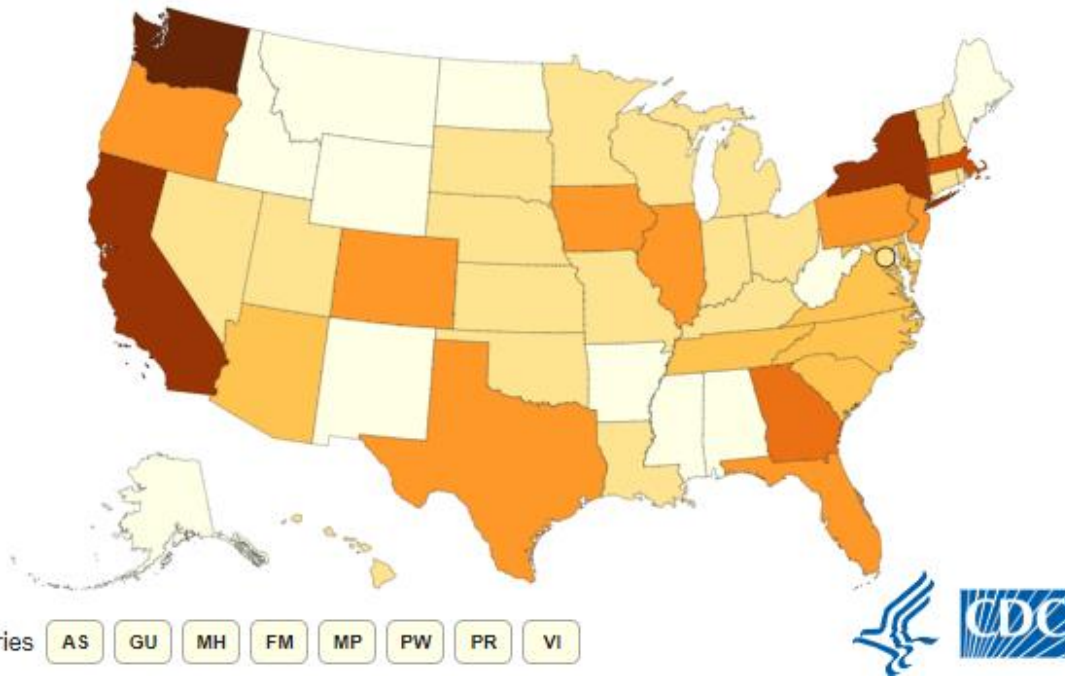
States Reporting Cases of COVID-19 to CDC*

Cases in the U.S. Reported to the CDC

Travel-related	92
Person-to-person spread	75
Under Investigation	771
Total Cases	938

Reported Cases

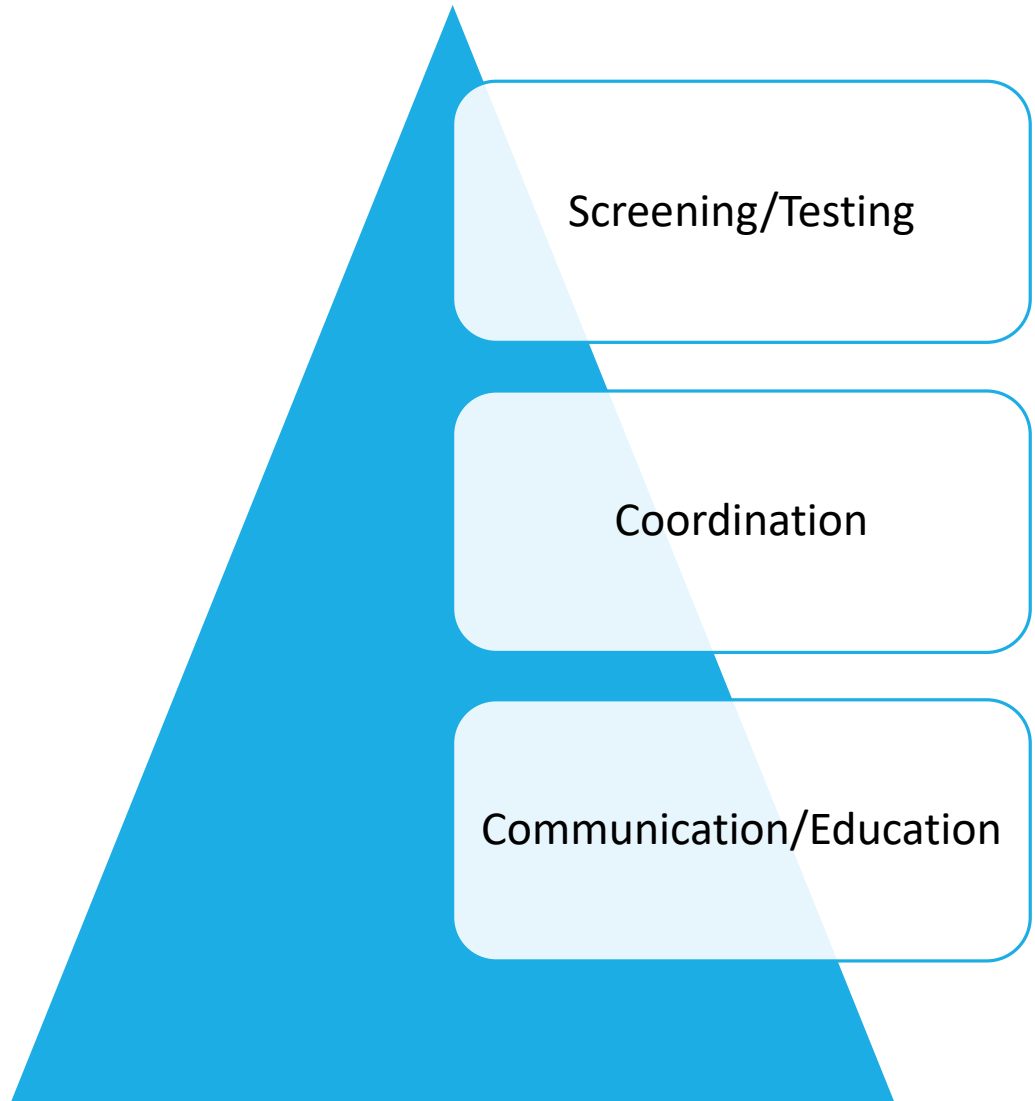
- None
- 1 to 5
- 6 to 10
- 11 to 20
- 21 to 50
- 51 to 100
- 101 to 200
- 201 to 500



Territories AS GU MH FM MP PW PR VI

MDHHS 2019 Novel Coronavirus Response

Goal: Slow the
exposure and
spread of the virus



Persons Under Investigation for COVID-19

As of 3/11/20

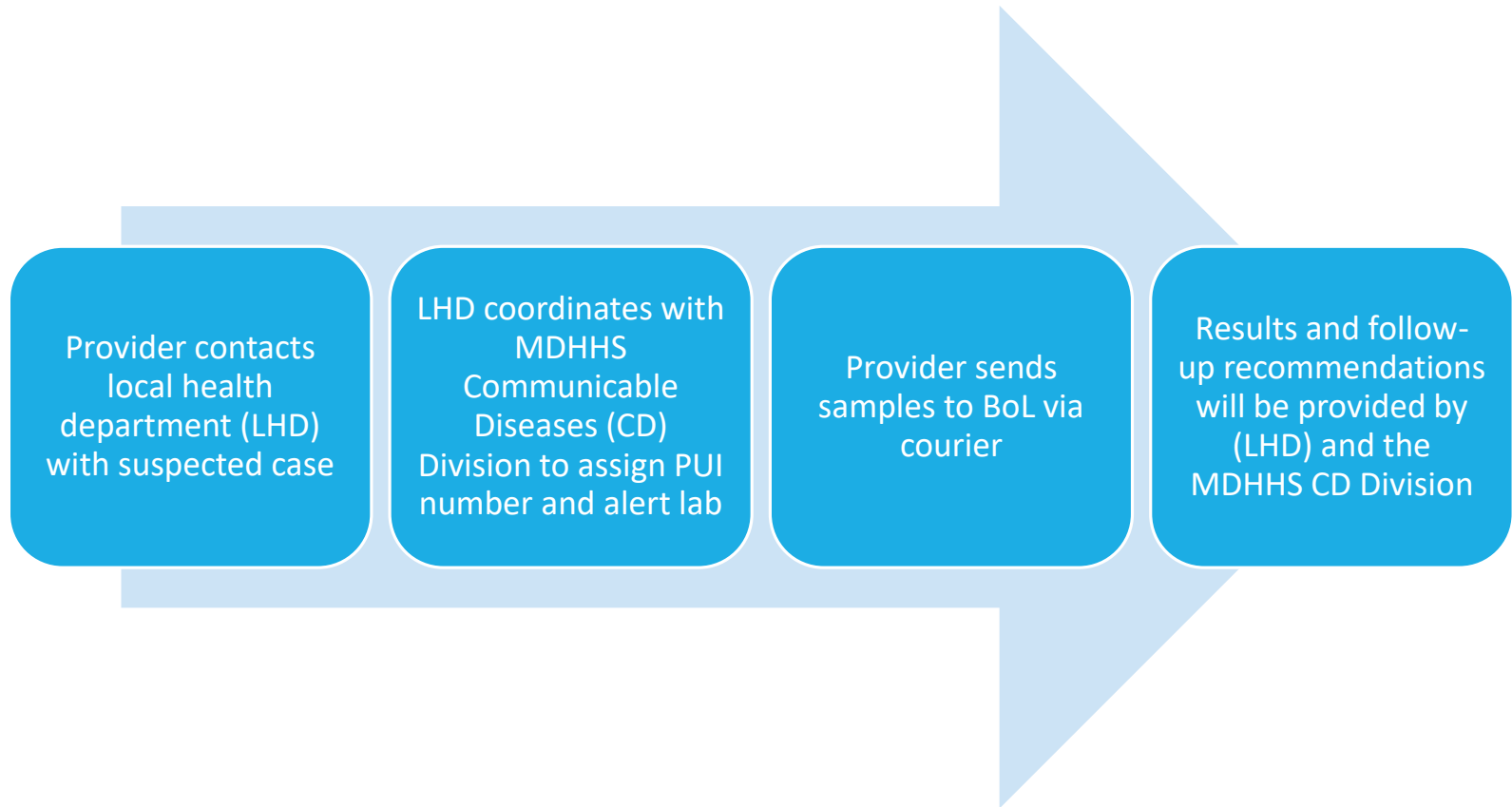
- Clinicians should use their judgment to determine if a patient has signs and symptoms compatible with COVID-19
- Decisions on testing should be based on the local epidemiology of COVID-19, as well as the clinical course of illness
- Clinicians are strongly encouraged to test for other causes of respiratory illness, including infections such as influenza
- Epidemiologic factors that may help guide decisions include:
 - Any persons, including healthcare workers, who have had close contact with a laboratory-confirmed COVID-19 patient within 14 days of symptom onset, or
 - A history of travel from affected geographic areas within 14 days of symptom onset

Testing in Michigan

- February 27, 2020: MDHHS Bureau of Laboratories able to begin testing
- March 5, 2020 BoL doubles its testing capacity
- March 10, 2020 First presumptive positive cases in Michigan

Test Results in Michigan	3/10/2020
Meets PUI Criteria, Testing Approved	77
Negative for COVID-19	57
Positive for COVID-19	2
Test Results Pending	18
Referred for Assessment and/or Monitoring to Date	493
Under Active Monitoring	87

How Testing Works in Michigan



From Containment to Community Mitigation

Non-Pharmaceutical Interventions

- Community Engagement
- Personal Protective Equipment
- Personal Protective Measures
- Environmental Cleaning Measures
- Social Distancing
- Implementation of Crisis Standards of Care Within Health Care Organizations

Pharmaceutical Interventions

- Antivirals and/or Vaccines once developed

- Everyone has a role to play:
 - Continue to follow basic personal-hygiene measures
 - **STAY HOME WHEN YOU ARE SICK**
- Reduce in-person gatherings and activities, especially for organizations with individuals at risk of severe illness. Consider offering video or audio of events
 - Cancel or postpone large gatherings, conferences, and sporting events (e.g., events with over 250 people). Access services as much as possible online or by phone
- Consider tele-learning opportunities, as feasible
- Encourage staff to tele-work when feasible, particularly individuals at risk of severe illness.

Community Mitigation Measures

Key Activities

- Community Health Emergency Coordination Center (CHECC) activated
- Coordination with local health departments on home monitoring and quarantine
- Coordination with all clinicians and hospitals on referrals of patients and receiving and sending samples to CDC
- Multiple daily calls with CDC, emergency management, hospitals, homeland security, police, etc.
- Lab preparations to be able to perform test in state, acquired new automated instrumentation for testing, running samples 7 days/week
- Activation of State Emergency Operations Center, working with state agencies on Task Forces
- Public education and communication



Questions?

www.michigan.gov/coronavirus