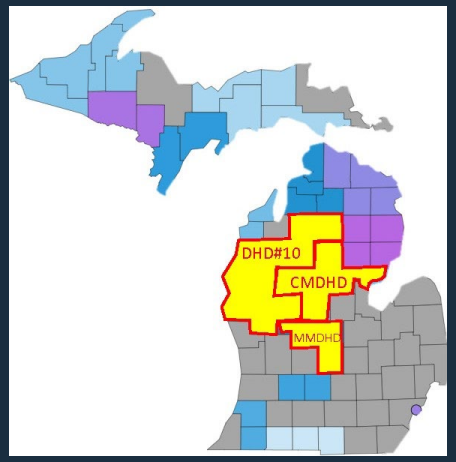
Back to School 2020-2021 Update April 15

Jennifer Morse, MD, MPH, FAAFP
Medical Director
CMDHD/MMDHD/DHD#10



This meeting is for School and Health Department Staff

We have limited time to cover all our topics. The slides and recordings will be available on our websites within 1-3 days.

- https://www.dhd10.org/coronavirus/
- https://www.mmdhd.org/novel-coronavirus/
- https://www.cmdhd.org/novel-coronavirus

If you have questions, please send them to:

- For Roscommon, Osceola, Clare, Gladwin, Arenac, Isabella Counties:
  - *info@cmdhd.org*
- For Missaukee, Crawford, Kalkaska, Wexford, Lake, Mason, Manistee, Oceana, Newaygo, Mecosta Counties
  - *info@dhd10.org*
- For Montcalm, Gratiot, Clinton Counties
  - *https://www.mmdhd.org/contact/*

Please make sure all needed information is passed to school secretaries, nurses, etc.

MIOSHA Emergency Rules Extended

- The COVID19 Emergency Rules shall remain effective until October 14, 2021
- For refresher and resources, see www.Michigan.gov/COVIDWorkplaceSafety

Issues with communication of quarantine length

- The state (MDHHS) contact tracing program, Traceforce, did not change their system to the quarantine guidance that was effective 4/5/2021.
  - *Following CDC guidance, MDHHS recommends a 14-day quarantine for close contacts of COVID-19 cases across Michigan HOWEVER they DID NOT change their communications and processes at that time despite several calls/complaints from local health departments.*
- COMMUNICATION FROM MDHHS YESTERDAY:
- If your jurisdiction uses centralized tracers and Traceforce, that system will default to a 14-day quarantine effective **overnight, 4/15/2021**.
  - ***New contacts imported to Traceforce starting Friday, 4/16/2021 will have a 14-day quarantine period.*** *We are not batch-changing the quarantine periods for contacts already in monitoring. LHD users are always welcome to change the End Monitoring Dates for contacts already in monitoring, if you choose.*
- We at MMDHD/CMDHD/DHD10 are VERY SORRY for all the trouble this has caused and have voiced our complaints over how this has been handled to Traceforce management

Testing Initiatives

- You may have been getting emails from MDHHS regarding collaborating with COVID-19 pop-up testing events
  - *Some I have been in contact with due to high % positivity in your area*
- This is same program that several of you offered pop-up testing after spring break
- Here is more background re: this

Statewide Testing
7-day Average

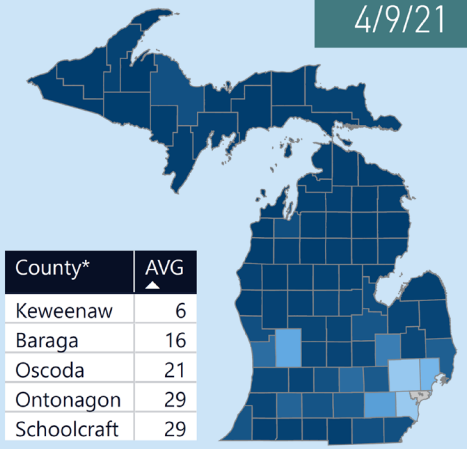
Top Date: 4/9/21 | Bottom Date: 1/1/21 | Overall Scope: MDOC, No MDOC | Test Type: Antigen, PCR | Region: All | County*: All | LHD: All

COVID-19
*Detroit separate from Wayne County

Daily Average Tests last 7 days

51,229

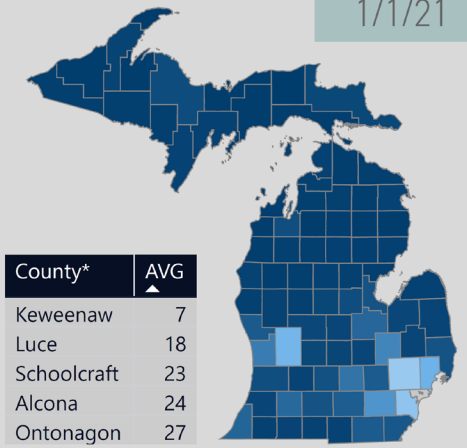
4/9/21



County*	AVG
Keweenaw	6
Baraga	16
Oscoda	21
Ontonagon	29
Schoolcraft	29

39,096

1/1/21

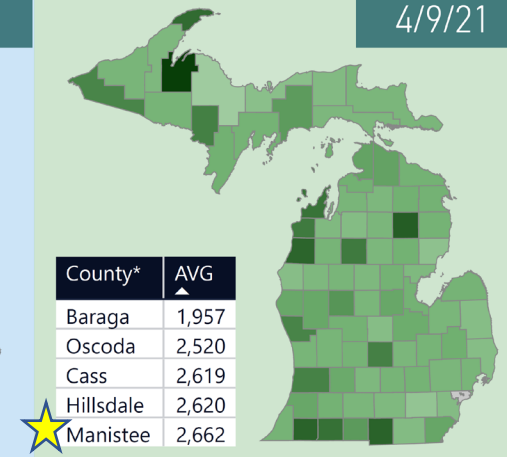


County*	AVG
Keweenaw	7
Luce	18
Schoolcraft	23
Alcona	24
Ontonagon	27

Daily AVG per Million last 7 days

5,125

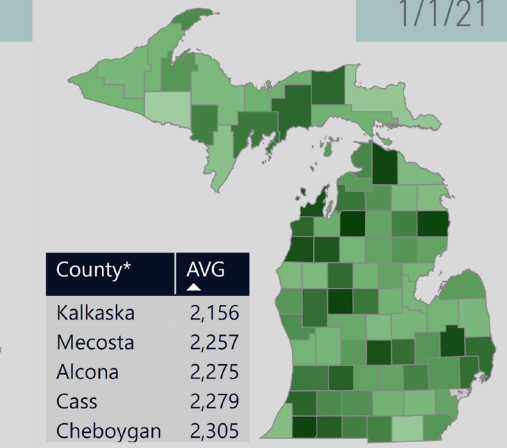
4/9/21



County*	AVG
Baraga	1,957
Oscoda	2,520
Cass	2,619
Hillsdale	2,620
Manistee	2,662

3,911

1/1/21

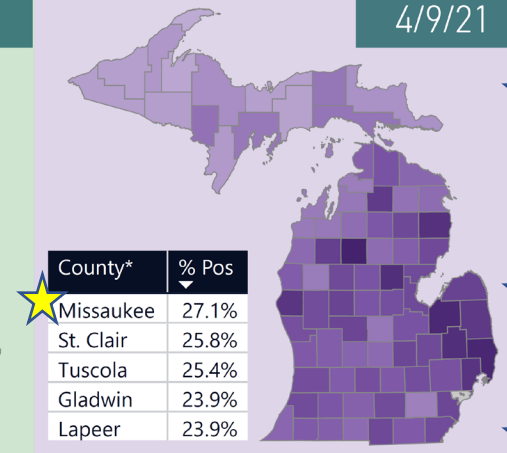


County*	AVG
Kalkaska	2,156
Mecosta	2,257
Alcona	2,275
Cass	2,279
Cheboygan	2,305

Daily % Positive last 7 days

15.2%

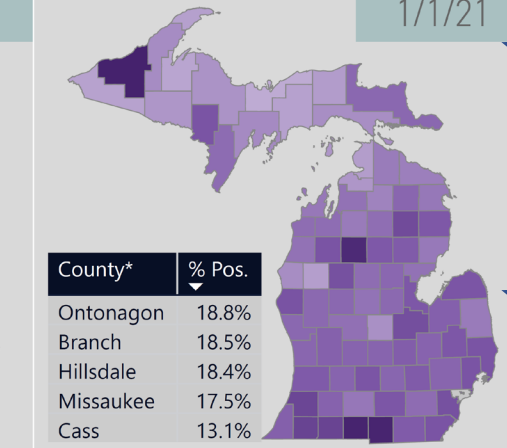
4/9/21



County*	% Pos
Missaukee	27.1%
St. Clair	25.8%
Tuscola	25.4%
Gladwin	23.9%
Lapeer	23.9%

8.5%

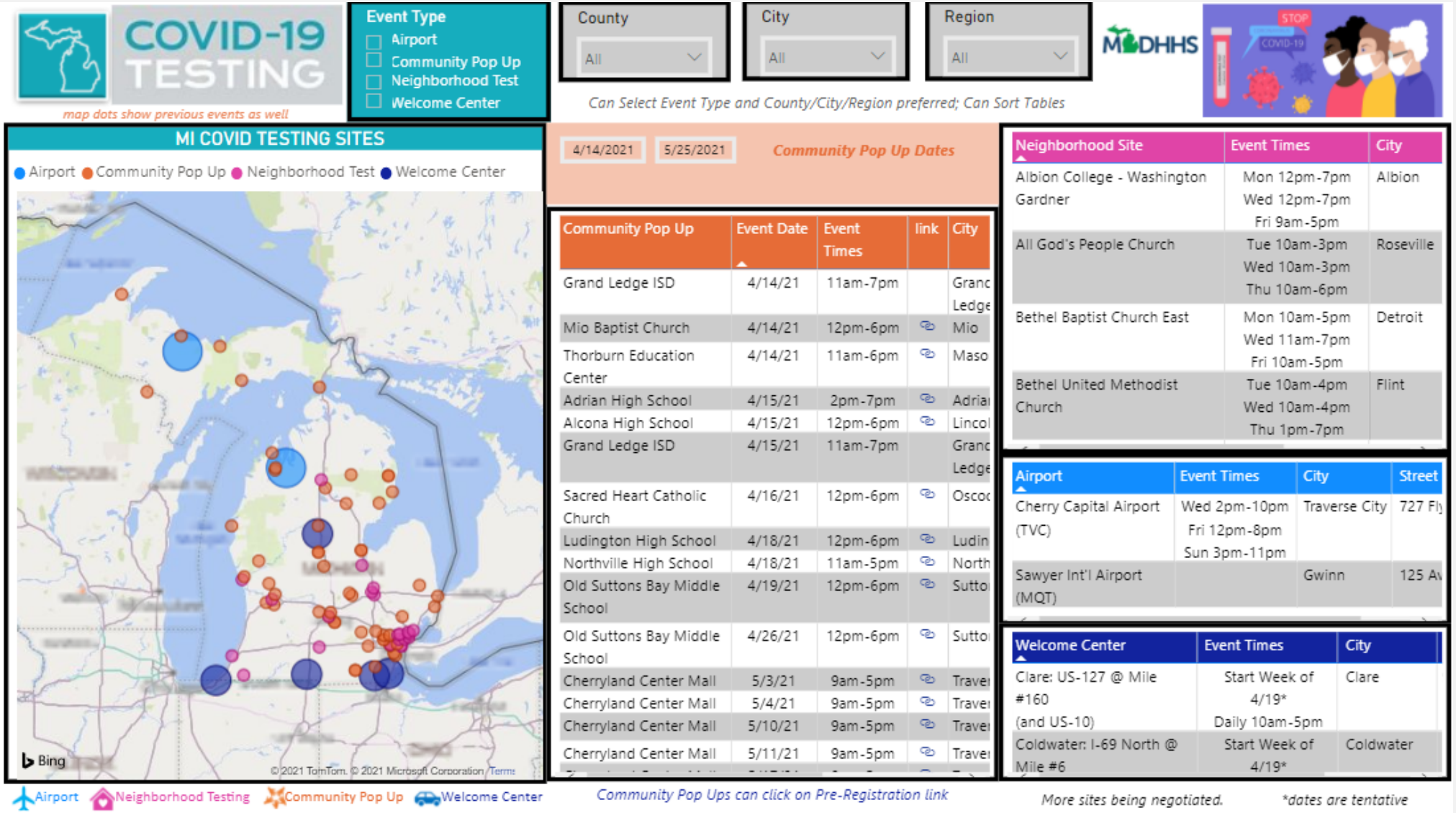
1/1/21



County*	% Pos.
Ontonagon	18.8%
Branch	18.5%
Hillsdale	18.4%
Missaukee	17.5%
Cass	13.1%

County Average Last 7 days - 4/9/21

County*	Daily Tests	Daily Test per Million	Daily % Positive	% of Pop.	SVI
Missaukee	46	3,034	27.1%	0.15%	64.6%
St. Clair	1,003	6,293	25.8%	1.59%	30.5%
Tuscola	263	5,008	25.4%	0.53%	50.0%
Gladwin	112	4,437	23.9%	0.25%	70.7%
Lapeer	352	4,002	23.9%	0.88%	29.3%
Alcona	47	4,522	23.2%	0.10%	25.6%
Macomb	4,313	4,931	22.4%	8.75%	39.0%
Oceana	103	3,858	22.3%	0.27%	100.0%
Sanilac	261	6,338	21.3%	0.41%	62.2%
Otsego	132	5,340	20.6%	0.25%	42.7%
Wexford	160	4,781	19.5%	0.33%	59.8%
Huron	144	4,634	18.7%	0.31%	26.8%
Mecosta	153	3,517	18.4%	0.44%	73.2%
Detroit City	3,070	4,563	18.1%	6.73%	
Montcalm	284	4,433	17.8%	0.64%	81.7%
Shiawassee	349	5,114	17.6%	0.68%	7.3%
Wayne	6,575	6,081	17.6%	10.82%	98.8%
Oscoda	21	2,520	17.1%	0.08%	90.2%
Hillsdale	120	2,620	17.0%	0.46%	63.4%
Osceola	115	4,933	17.0%	0.23%	93.9%
Genesee	1,917	4,712	16.9%	4.07%	85.4%
Bay	460	4,426	16.8%	1.04%	51.2%
Total	**51,229**	**5,125**	**15.2%**	**100.00%**	



mi.gov/coronavirus

in “Resources”

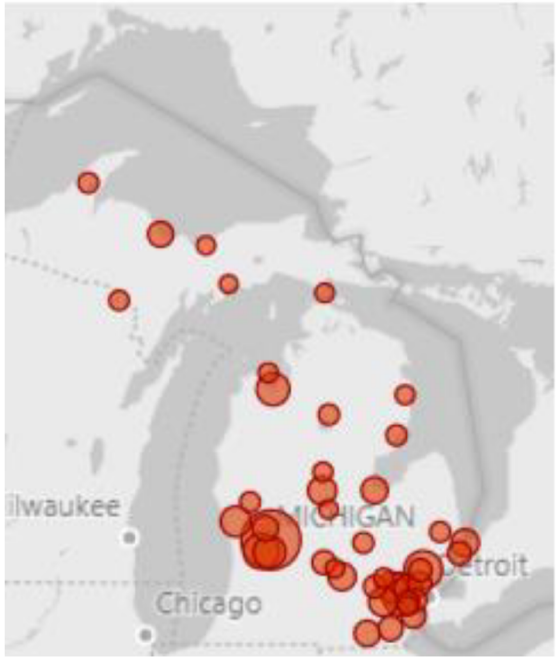
“K-12 School Opening Guidance”

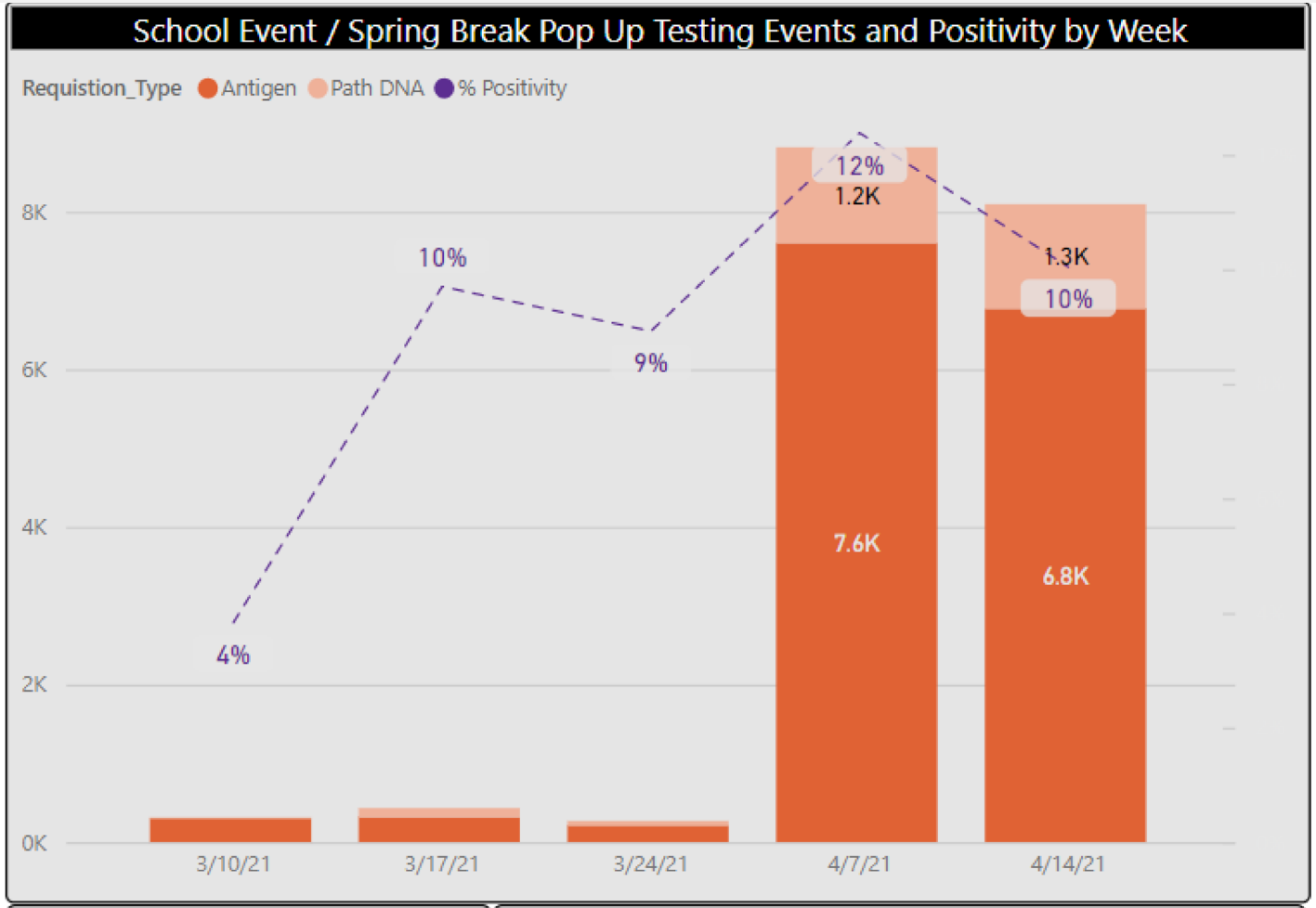
“Community Based Pop-Up Rapid Antigen Testing Events”

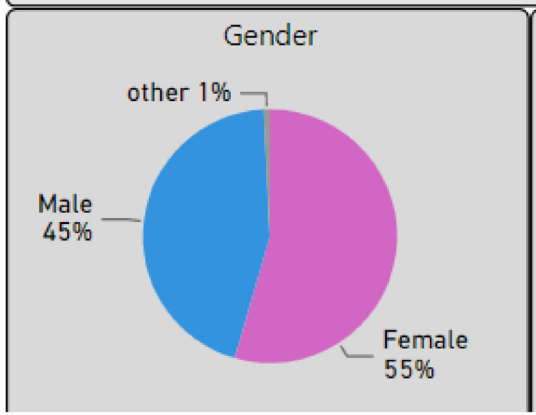
[Coronavirus - Community Based Pop-Up Rapid Antigen Testing Events (michigan.gov)]

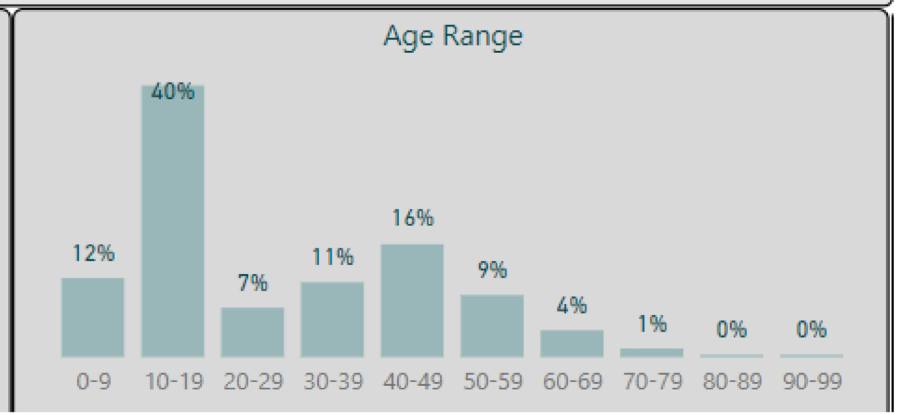
Spring Break Pop-Up Events

# Tests Collected	
17,931	
# Facilities	% Positivity
44	11.06%









- We continue to work with school districts to host post-spring break testing sites
- We have collected over 17k tests thus far, with many more events planned

FREE RAPID COVID TESTING

WHEN
Saturday, April 3, 2021
10 am – 4 pm

WHERE
Clare-Gladwin Area School parking lot
Clare-Gladwin RESD, 4041 E. Mannsiding Rd., Clare
(just east of intersection of Old 27 and Mannsiding Rd.)

Rapid Antigen COVID-19 testing - especially for individuals returning to school from Spring Break:

- Parents & Students
- School Staff
- Community Members

Participants should pre-register at:
http://honumg.info/ClareGladwinRESD
or by scanning the QR Code below:

OPEN TO ALL AGES, RAIN OR SHINE

RESULTS ARE SENT
To participant's email address within 15 minutes

PRE-REGISTRATION
This will greatly speed up the testing process; those who are unable to complete the electronic form will be assisted in registering at the site on the day of testing.

PROVIDE
First and last name, email address & DOB

FOR MORE INFORMATION
Please call CGRESD:
989.386.3851

CLARE-GLADWIN RESD

COVID-19 TESTS AVAILABLE

Visit Michigan.gov/CoronavirusTest to learn more.

Testing is available to anyone:
- No pre-registration.
- No insurance needed.
- No prescription needed.
- No doctor's order needed.

Testing available at:
Mt. Pleasant High School
1155 S Elizabeth St,
Mt Pleasant, MI 48858
Wednesday, April 7, 12 p.m. - 6 p.m.

http://honumg.info/MtPleasantHS

MDHHS

FREE DRIVE-THROUGH COVID-19 RAPID ANTIGEN TESTING

Open to All Residents in Newaygo County
APRIL 11 12-6 PM

4747 W. 48TH STREET, FREMONT, MI 49412

This free testing site will be open in collaboration with MDHHS to help identify any new COVID positive cases as families return from spring break. Pre-registration is preferred but not required.

COVID TESTING PRE-REGISTRATION
Please scan the QR code on your mobile device or visit the link below to begin your pre-registration process.
http://honumg.info/NewaygoRESA

NC RESA

COVID-19 TESTS AVAILABLE

Visit Michigan.gov/CoronavirusTest to learn more.

Testing is available to anyone:
- No pre-registration.
- No insurance needed.
- No prescription needed.
- No doctor's order needed.

Testing available at:
Alma Middle School
1700 Pine Ave.
Alma, MI 48801
Saturday, April 3, 12 p.m. - 6 p.m.

http://honumg.info/AlmaMS

MDHHS

FREE RAPID COVID-19 TESTING

MDHHS
Bay Arenac ISD

Monday April 5, 2021 from 7:00 a.m. - 1:00 p.m.
Wednesday April 7, 2021 from 12:00 p.m. - 6:00 p.m.

Bay-Arenac ISD, Educational Service Center
4228 2 Mile Road, Bay City, MI 48706

People traveling across Michigan, to other states, or to a vacation destination in another country over school breaks risk bringing COVID-19 home with them. This in turn may fuel outbreaks within their households and the communities they visit, and reintroducing COVID-19 to their home communities when they return. The MDHHS is offering a two-time, free, on-site, staffed, rapid COVID-19 testing at Bay-Arenac ISD the week classes restart post-spring break. By increasing our testing we are able to identify and limit the impacts of potential outbreak upon returning from spring break vacations.

COVID TESTING PRE-REGISTRATION

Please scan the enter the link below or scan the QR code on your mobile device to begin your pre-registration process. You'll be taken to an online form to fill out, sign electronically on your device, and submit. Completing this will greatly speed up the testing process. If you're unable to complete this, we will complete it with you at our registration tent. Please provide your correct first name, last name, and date of birth as well as a valid email address. Your results will be sent to your email address and you will need to validate your account by entering in your name (first and last) and date of birth.
Thank you!

http://honumg.info/BayISD

Apple QR Instructions
1. Open the Camera app from the Home screen, Control Center, or Lock screen.
2. Select the rear facing camera. Hold your device so that the QR code appears in the viewfinder in the Camera app. Your device recognizes the QR code and shows a notification.
3. Tap the notification to open the link associated with the QR code.

Android QR Instructions
1. Open your Camera app and point it steadily for 2-3 seconds towards the QR Code you want to scan.
2. Whenever scanning is enabled, a notification will appear.
3. If nothing happens, you may have to go to your Settings app and enable QR Code scanning.
4. If QR Codes isn't an option in your settings, your device unfortunately can't scan QR Codes natively. But don't worry, this only means you'll have to download a free third-party QR Code reader app from the Google Play store.

If you have any questions please contact Becky Smith at (989) 667-3201.

COVID-19 TESTS AVAILABLE

Visit Michigan.gov/CoronavirusTest to learn more.

Testing is available to anyone:
- No pre-registration.
- No insurance needed.
- No prescription needed.
- No doctor's order needed.

Testing available at:
Roscommon High School
10600 Oakwood Dr.
Roscommon, MI 48653
Monday, April 5, 10 a.m. - 6 p.m.

http://honumg.info/RoscommonHS

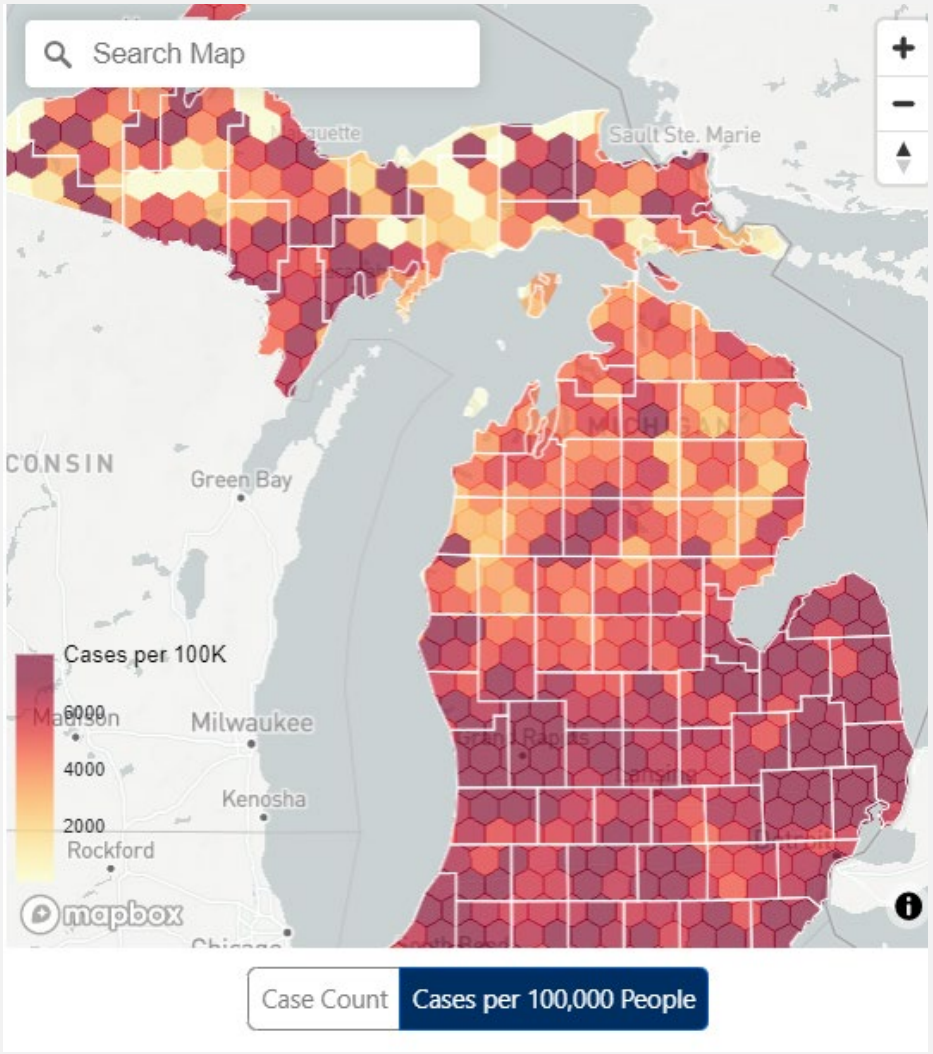
MDHHS

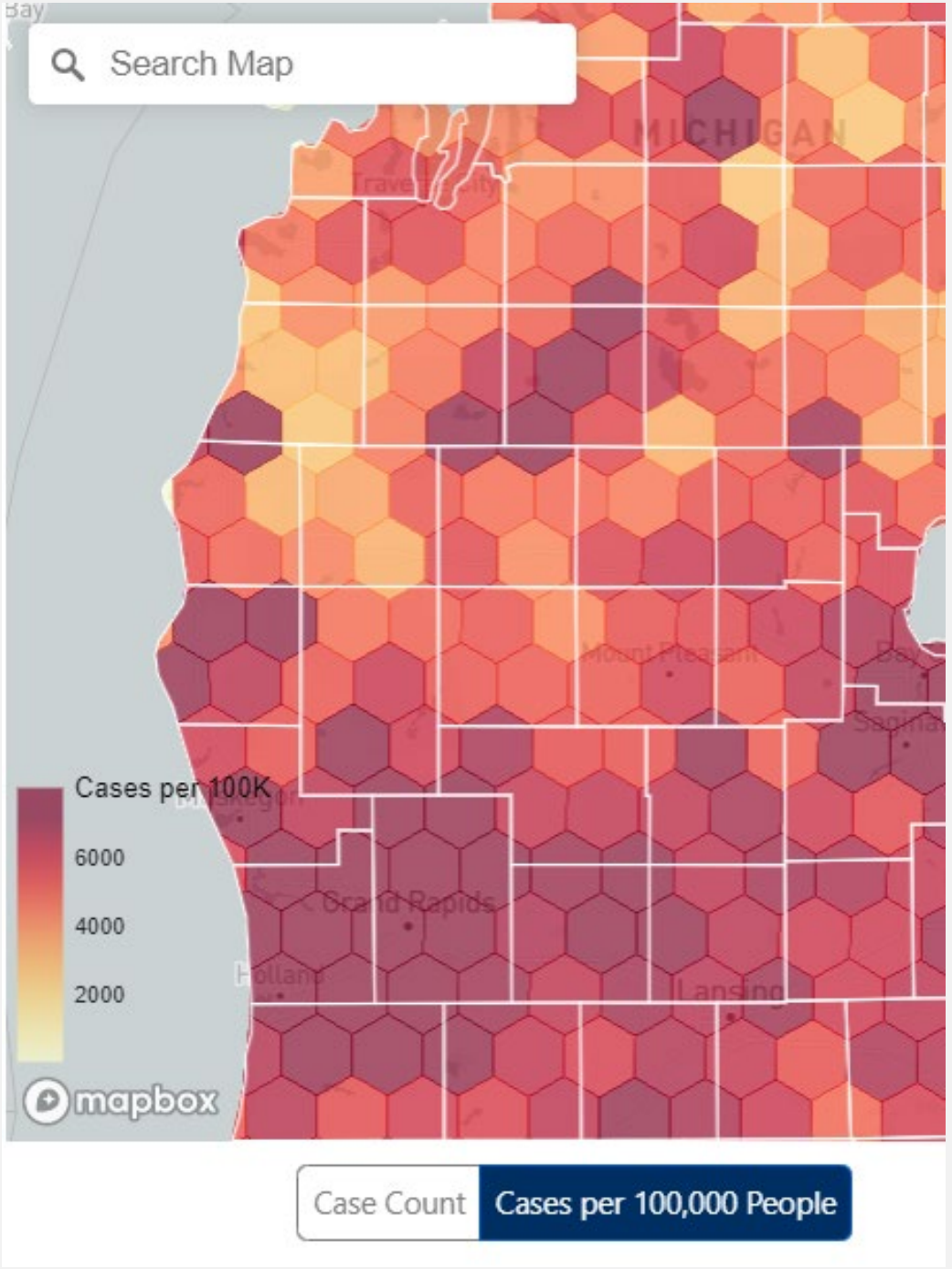
If interested in hosting pop-up testing

- Complete this form to request MDHHS testing support: COVID Tests/Support Request (office.com)
  - *Fill it out best you can, put Question marks where needed-just gets process started to schedule a planning call*
- If you need any help/contact info/etc, feel free to contact me (jmorse@cmdhd.org)

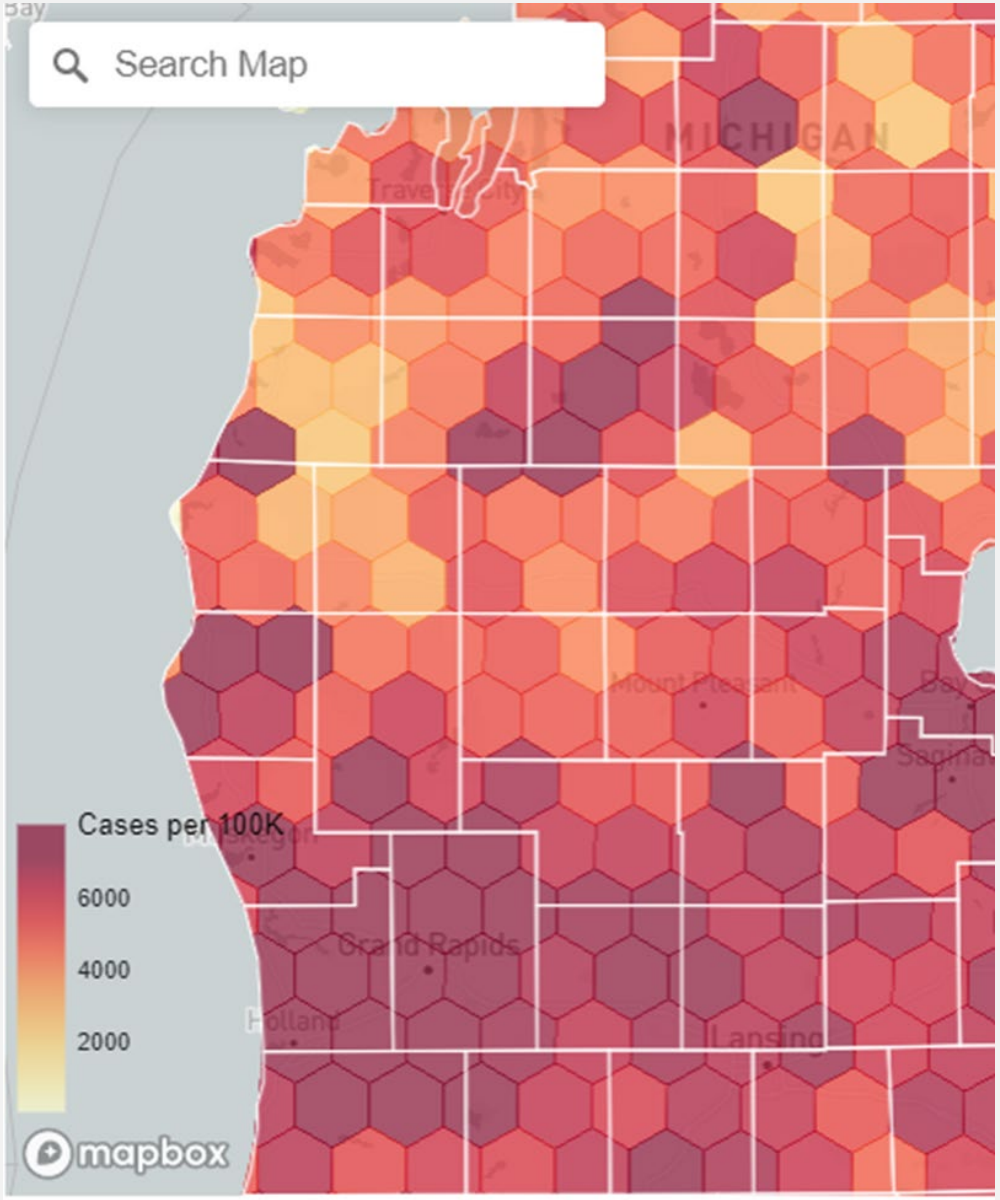
Review of Data

Cases/100,000 by area over past 1 week
confirmed & probable cases March 8, 2020 to April 10, 2021

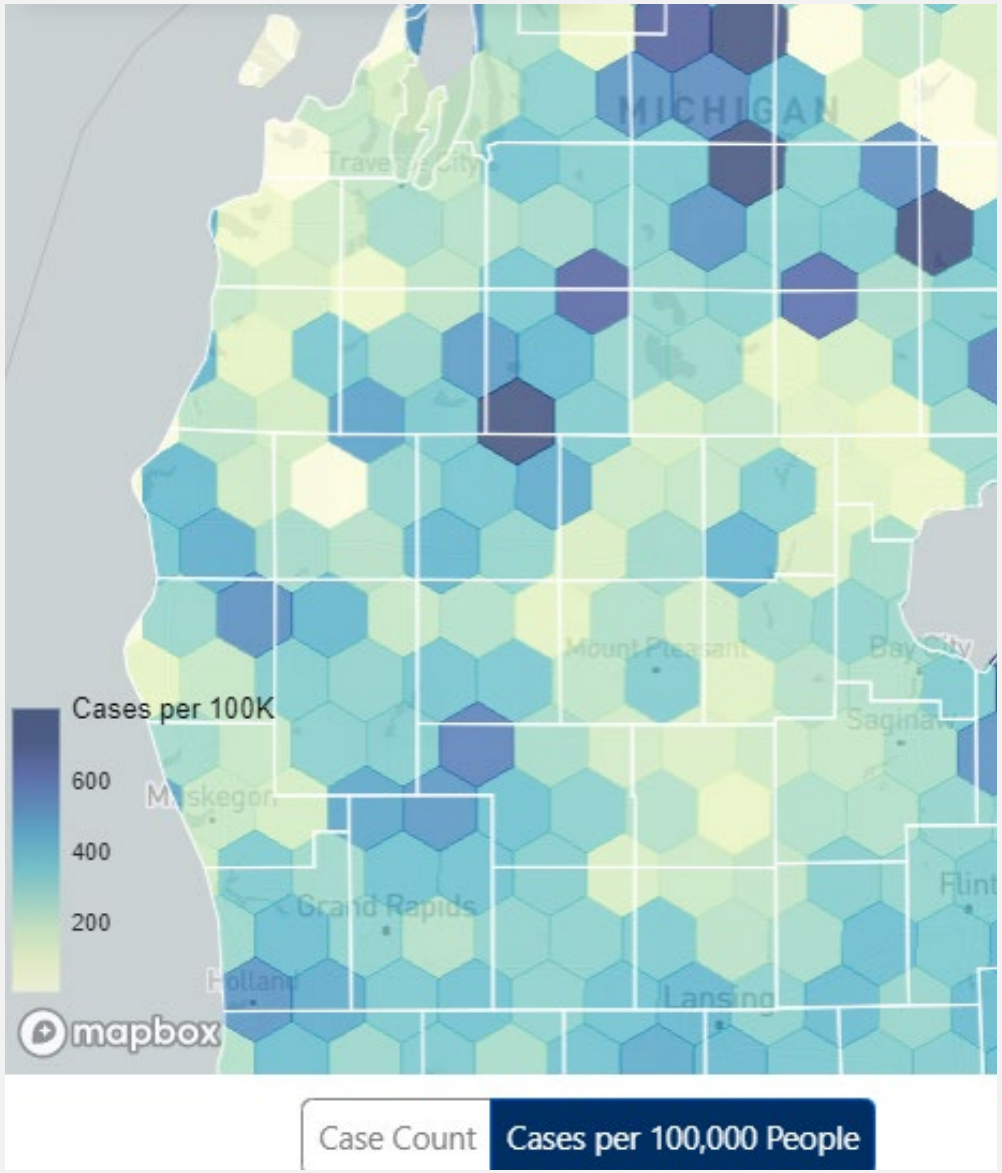




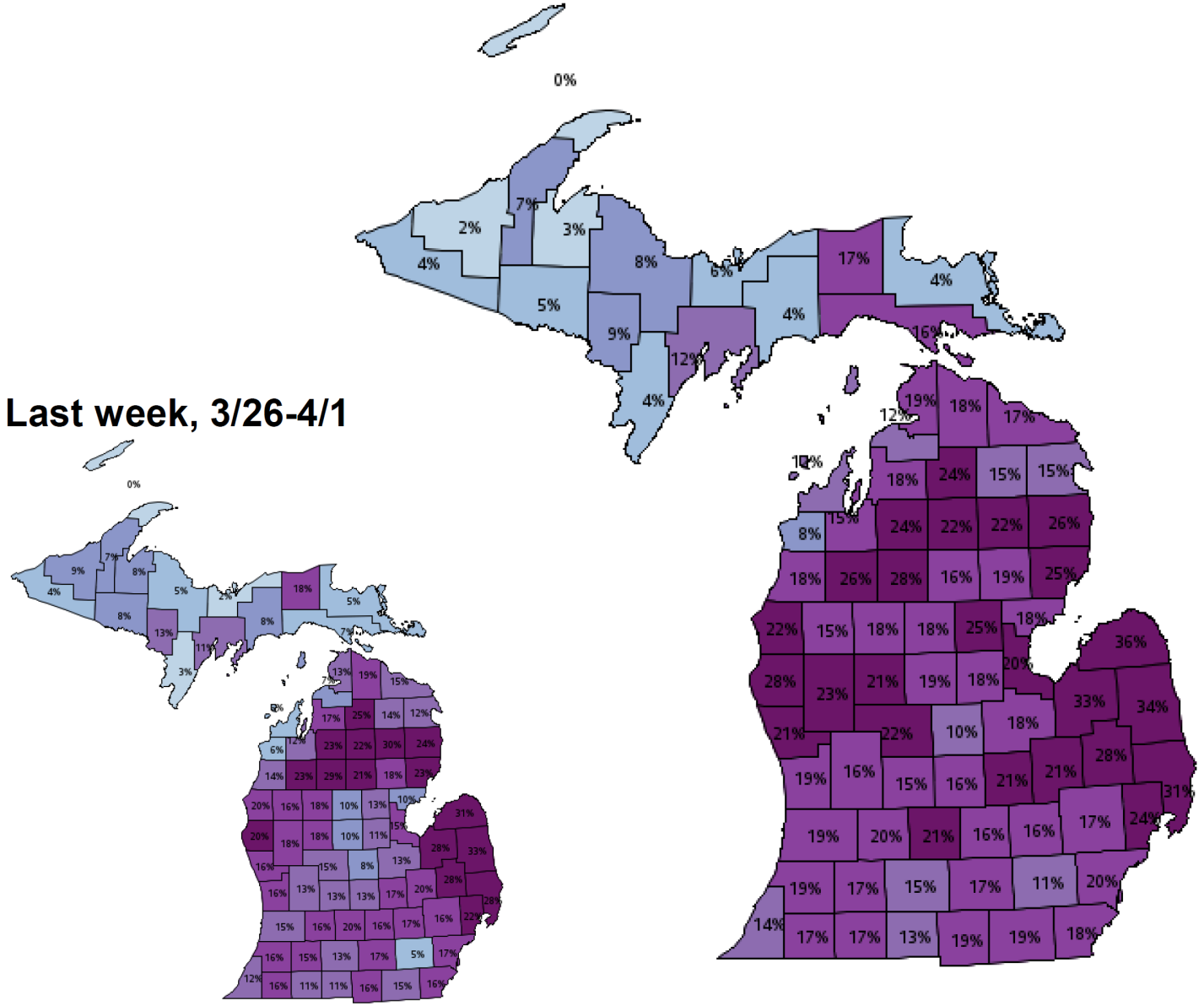
This Week



Last Week



Positivity by county, 3/26-4/1



Source: SEOC Testing Results – Excluding MDOC

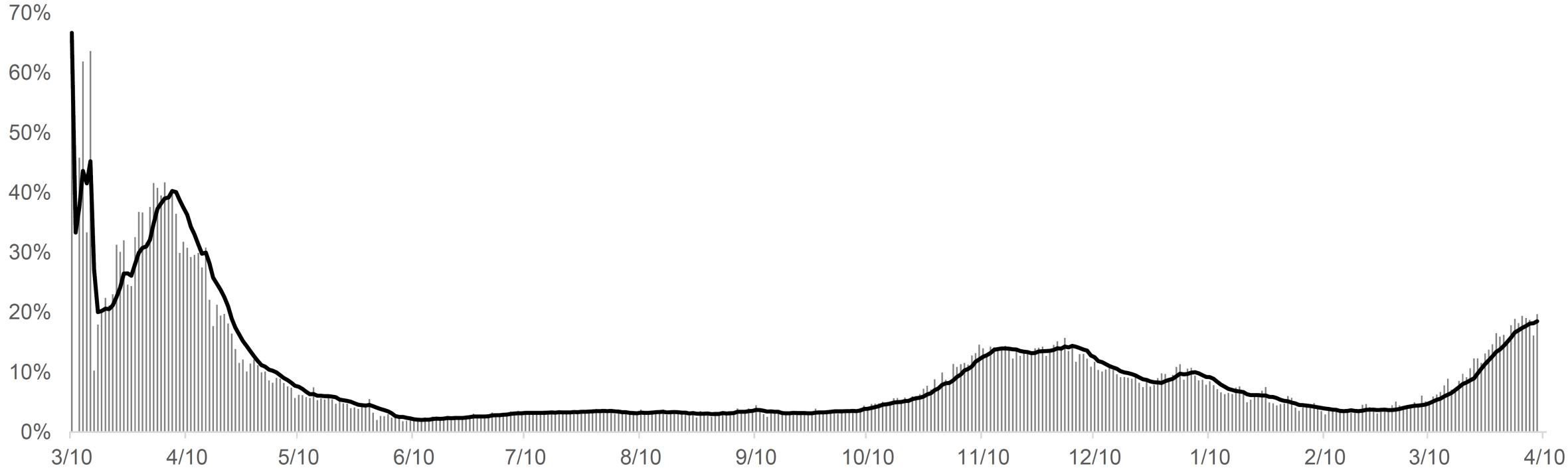
MI COVID Data and Modeling Update:

April 13th (data as of April 10th unless noted)

https://www.michigan.gov/coronavirus/0,9753,7-406-98163_98173_105123---,00.html

Statewide Positivity Trends

Daily positivity and 7-day rolling average positivity for Michigan

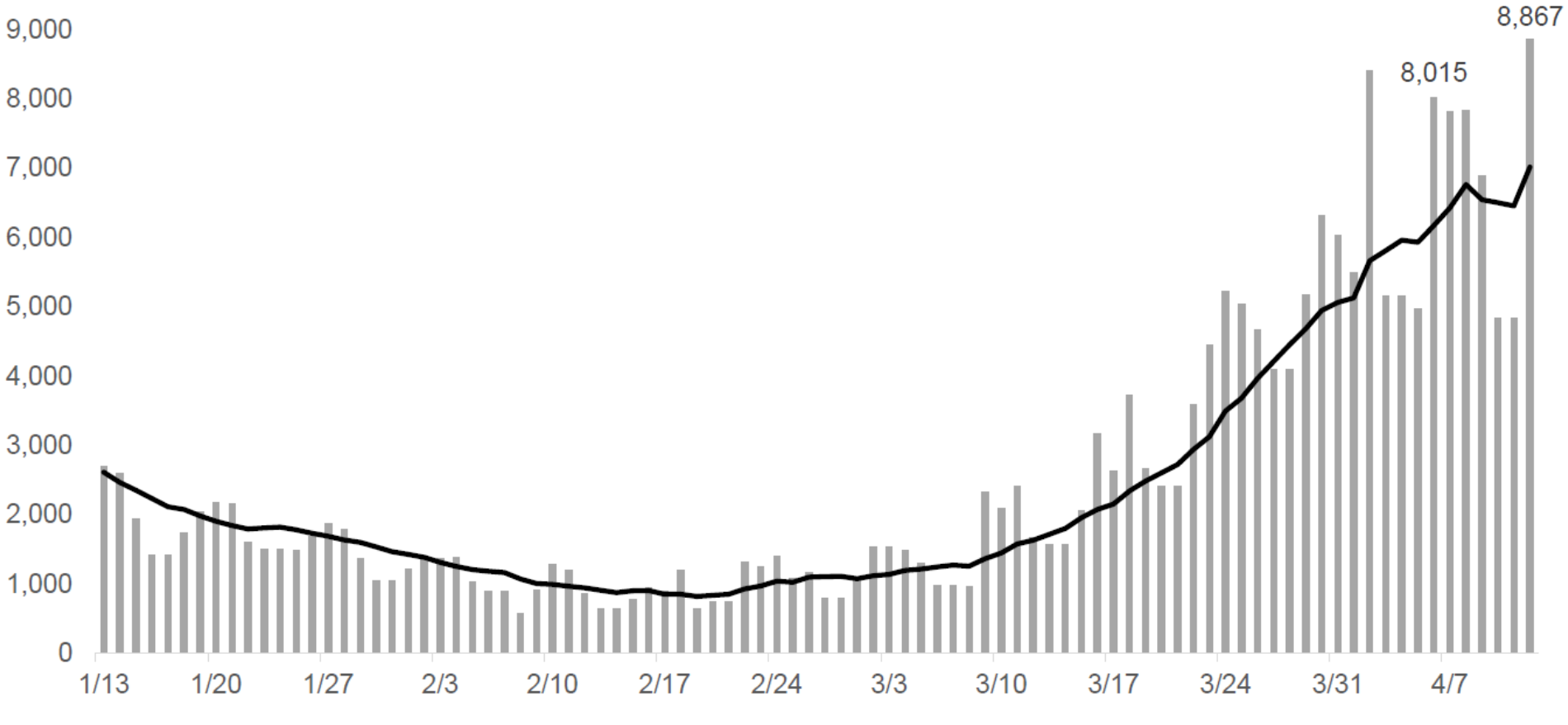


- Early in the pandemic, testing was not as robust as it has been since July 2020 to present
- Positivity is an early indicator of SARS-CoV-2 Transmission (as positivity increases, we expect case rates to follow)
- Current statewide positivity is the highest it has been since April 22, 2020*
- These are for PCR tests only and exclude tests conducted with Michigan Department of Corrections

*Note: Testing was not as robust early in the pandemic
Source: MDHHS – Michigan Disease Surveillance System

Confirmed COVID-19 cases by report date: State of Michigan

Confirmed cases reported on prior day (7-day rolling average)



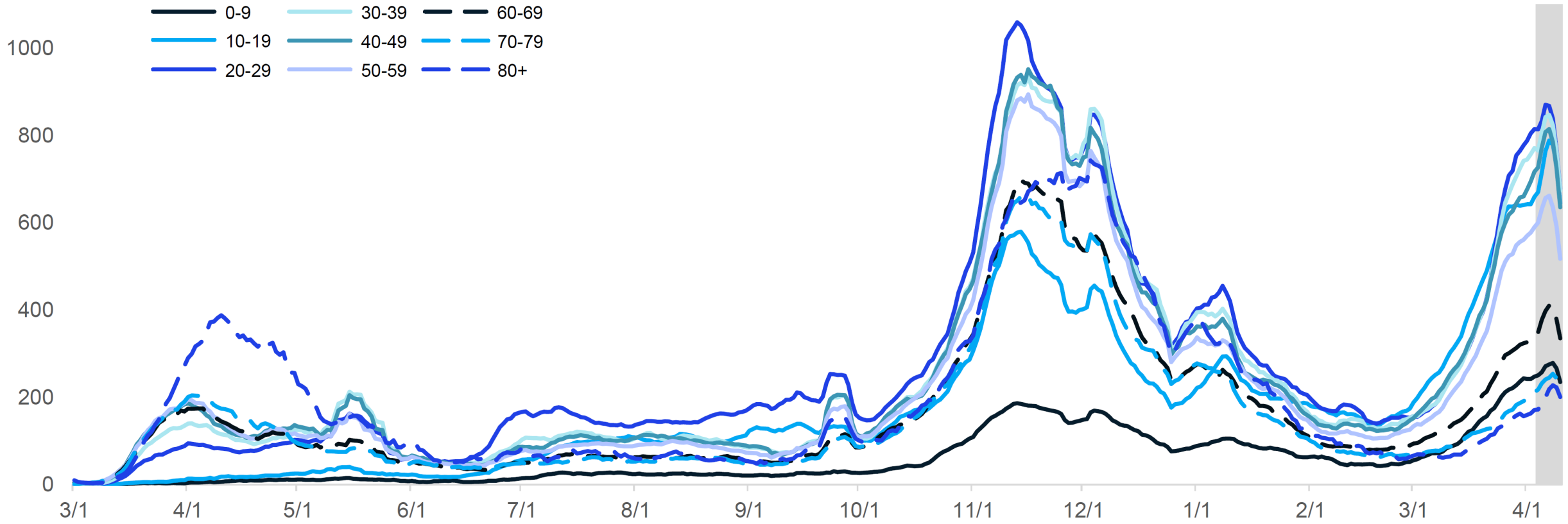
The number of **weekly reported cases** to public health is **increasing**

49,101 cases reported **in the last week**

Source: MDHHS – Michigan Disease Surveillance System

Age group: average new daily cases

Daily new confirmed and probable cases per million by age group (7-day rolling average)

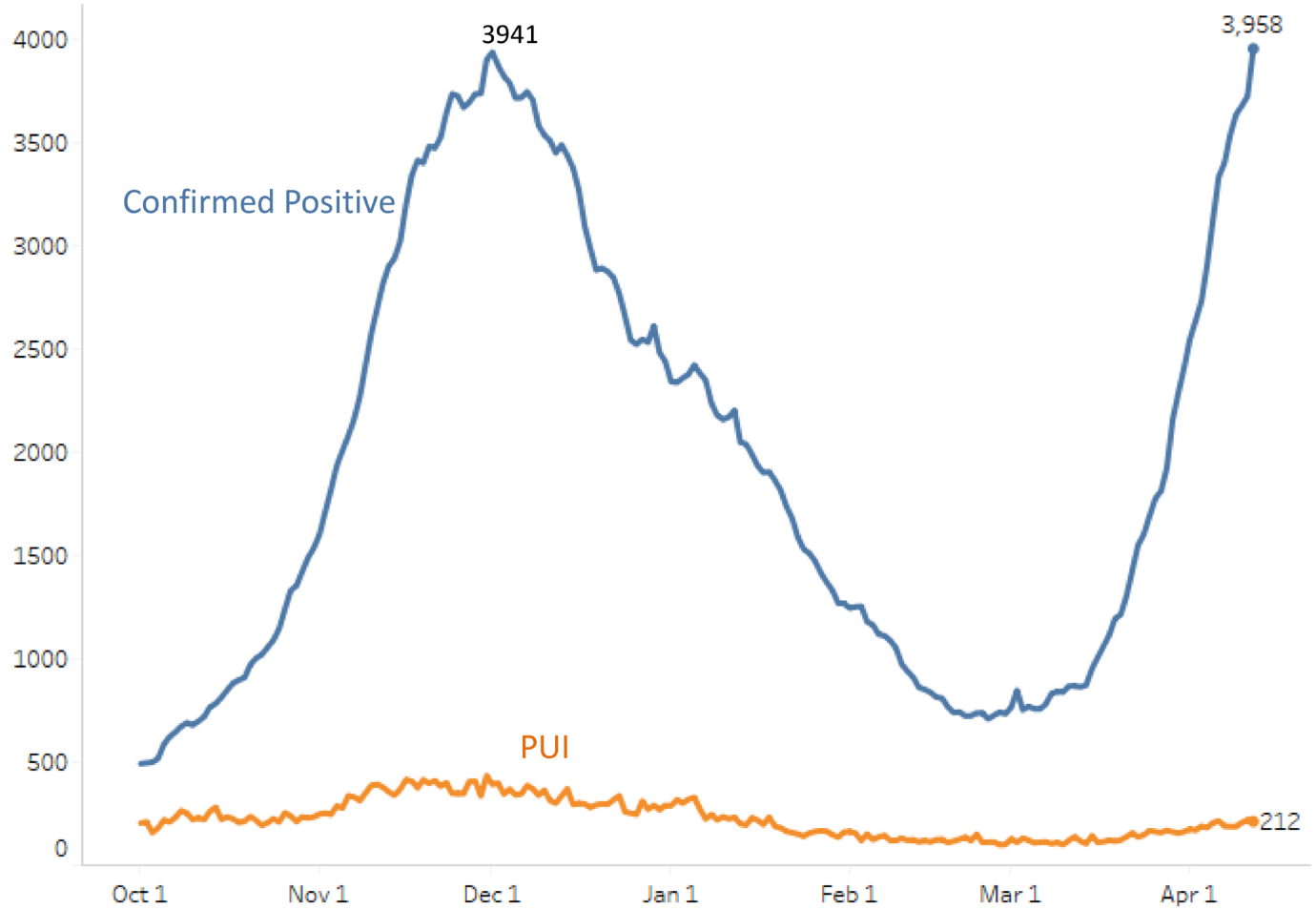


- All age groups by decade are increasing
- Those aged 20-29 and 30-39 have the highest case rates
- There are over 5,500 new cases per day

Note: Case information sourced from MDHHS and reflects date of onset of symptoms
Source: MDHHS – Michigan Disease Surveillance System

Statewide Hospitalization Trends: Total COVID+ Census

Hospitalization Trends 10/1/2020 – 4/12/2021
Confirmed Positive & Persons Under Investigation (PUI)

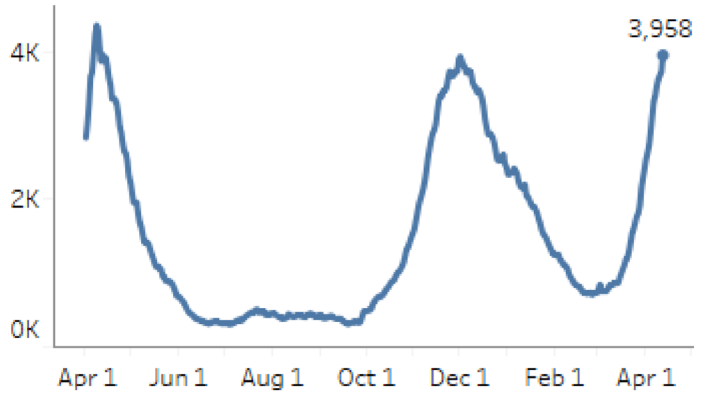


COVID+ census in hospitals continues to rise, though at a slower rate. This week is up 26% from the previous week (vs. 45% increase last week) and exceeds the Dec. 1st 2020 winter peak.

Doubling time has slowed to ~21 days this week (from doubling every 12-14 days over the past 3 weeks)

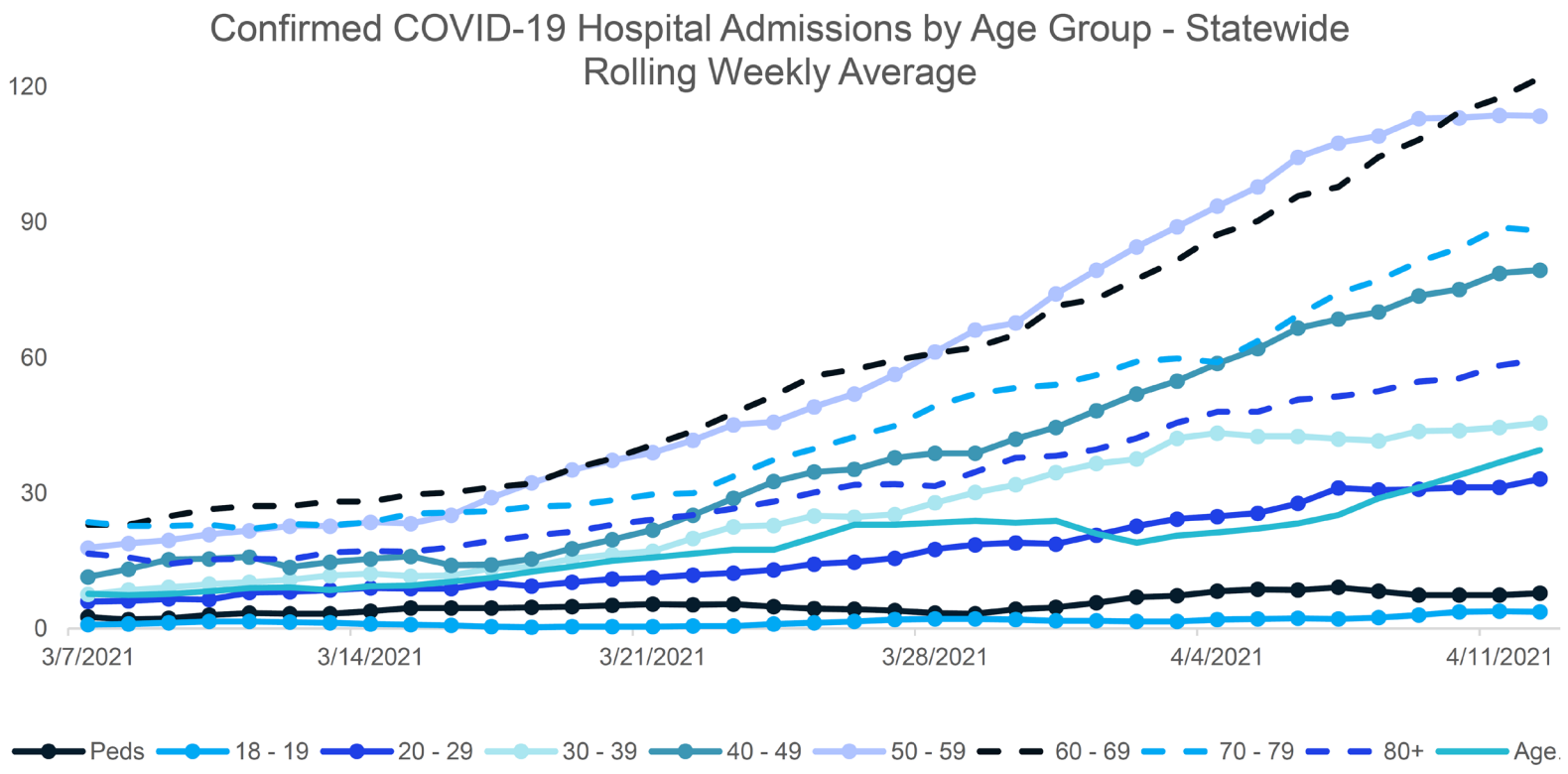
Slower increase is driven mainly by faster discharge rates as new admissions for COVID were up ~40% week over week (~4100 new admissions this week)

Hospitalized COVID Positive Long Term Trend (beginning March 2020)



Average Hospital Admissions by Age

Confirmed COVID-19 Hospital Admissions by Age Group - Statewide Rolling Weekly Average



Age Group	Daily Avg Adm.	One Week % Change (#)	% Change since 2/28* (#)
Peds	7.9	-10% (-0.9)	139% (4.6)
18-19	3.7	73% (1.6)	767% (3.3)
20-29	33.1	30% (7.6)	544% (28.0)
30-39	45.6	7% (3.0)	423% (36.9)
40-49	79.4	28% (17.4)	672% (69.1)
50-59	113.6	16% (15.7)	774% (100.6)
60-69	122.0	35% (31.7)	533% (102.7)
70-79	88.1	38% (24.4)	378% (69.7)
80+	59.6	24% (11.6)	293% (44.4)
Total¶	592.6	28% (129.6)	489% (492.0)

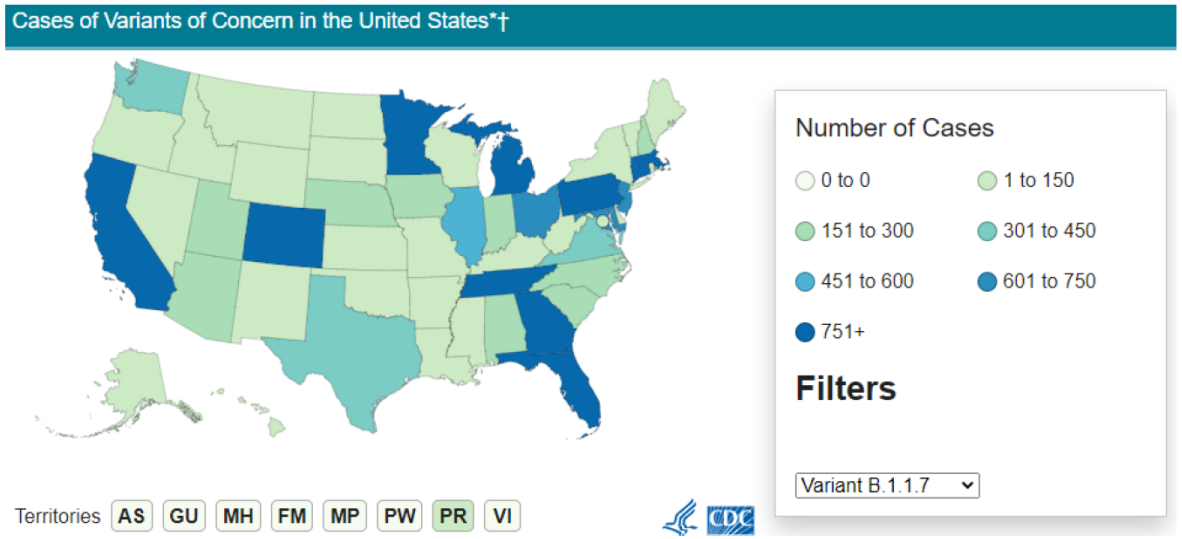
* Lowest 7-day avg. hospital admissions following winter surge
¶ Total may not reflect state due to missing age data

- Currently, there are approximately 593 daily hospital admissions for COVID-19
- Over the past week, those 60-69 have seen the greatest increase in avg. daily hospital admissions
- Since Feb 28 low, those 50-69 have seen the greatest increase in avg. daily hospital admissions and percent change

Source: CHECC & EM Resource

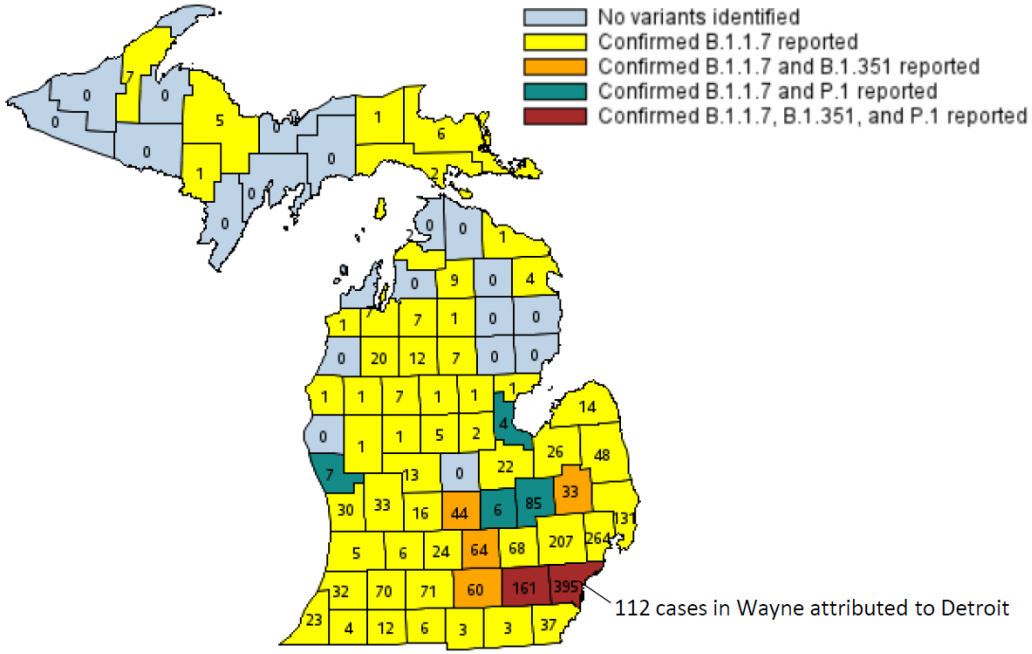
Identified COVID-19 Cases Caused by All Variants of Concern in US and Michigan

Emergent Variant Cases of Concern in the United States



Variant	Reported Cases in US	Number of Jurisdictions Reporting	
B.1.1.7	20915	52	(↑1)
B.1.351	453	36	(↑5)
P.1	497	31	(↑9)

Emergent Variants of Cases in Michigan



Variant	Reported Cases in MI	Number of Counties Reporting Cases
B.1.1.7	2,640*	62
B.1.351	9	6
P.1	9	5

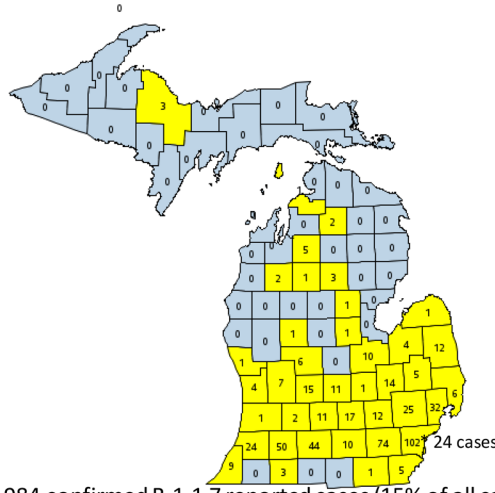
* 513 cases within MDOC; 4 cases currently out of state or county unknown

Data last updated April 12, 2021

Source: https://www.cdc.gov/coronavirus/2019-ncov/transmission/variant-cases.html and Michigan Disease Surveillance System (MDSS)

As of March 30th

Emergent Variants of Cases in Michigan

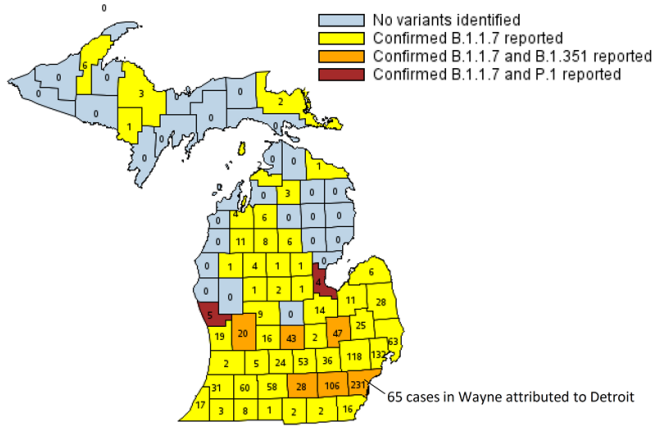


* 24 cases within Wayne are in Detroit

- 984 confirmed B.1.1.7 reported cases (15% of all cases nationally)
  - 32 counties
  - 445 cases within MDOC (45% of all cases in MI)
- 2 confirmed B.1.351 reported cases

As of April 6th

Emergent Variants of Cases in Michigan

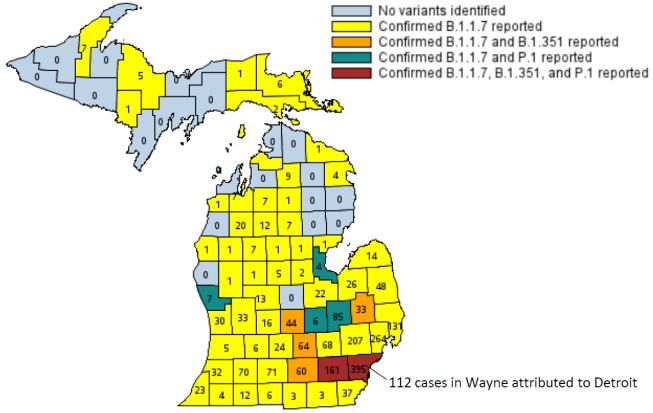


Variant	Reported Cases in MI	Number of Counties Reporting Cases
B.1.1.7	1817*	46
B.1.351	7	6
P.1	2	2

* 505 cases within MDOC; 3 cases currently out of state or county unknown

As of April 12th

Emergent Variants of Cases in Michigan



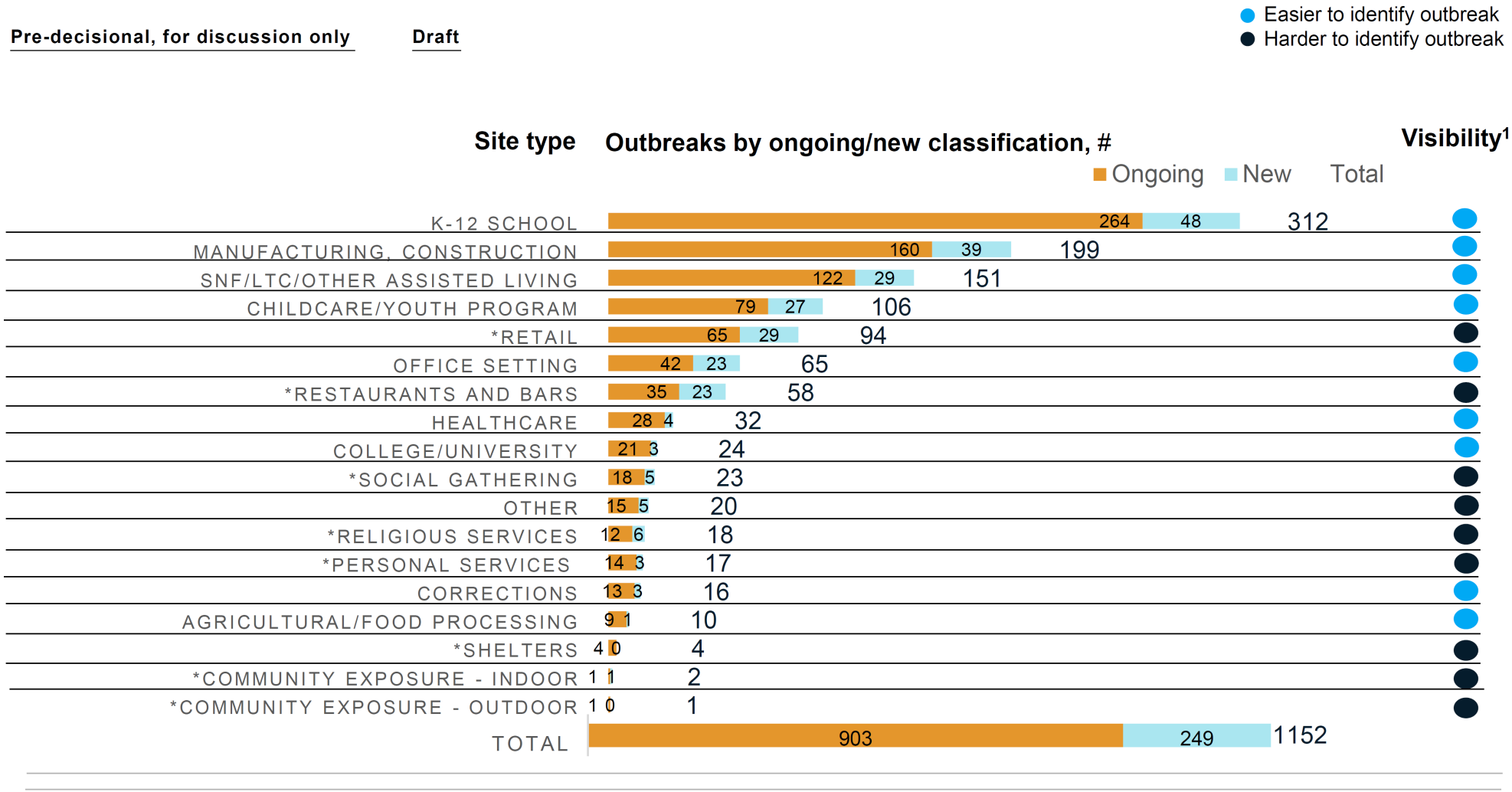
Variant	Reported Cases in MI	Number of Counties Reporting Cases
B.1.1.7	2,640*	62
B.1.351	9	6
P.1	9	5

* 513 cases within MDOC; 4 cases currently out of state or county unknown

veillance System (MDSS)

Number of outbreak investigations by site type, week ending Apr 8

Pre-decisional, for discussion only **Draft**



Total number of active outbreaks is up 16% from previous week

Following K-12 (48), the greatest number of new outbreaks were reported in manufacturing/ construction (39), SNF/LTC (29), retail (29), childcare/youth programs (27), office settings (23), and restaurants & bars (23).

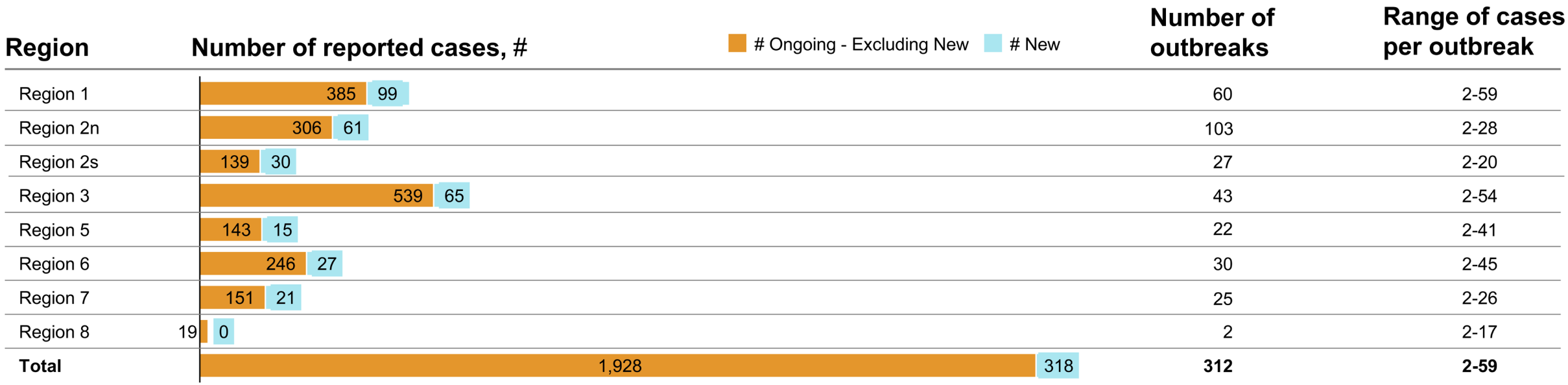
LHDs reported new outbreaks in all settings except shelters and outdoor community exposures.

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

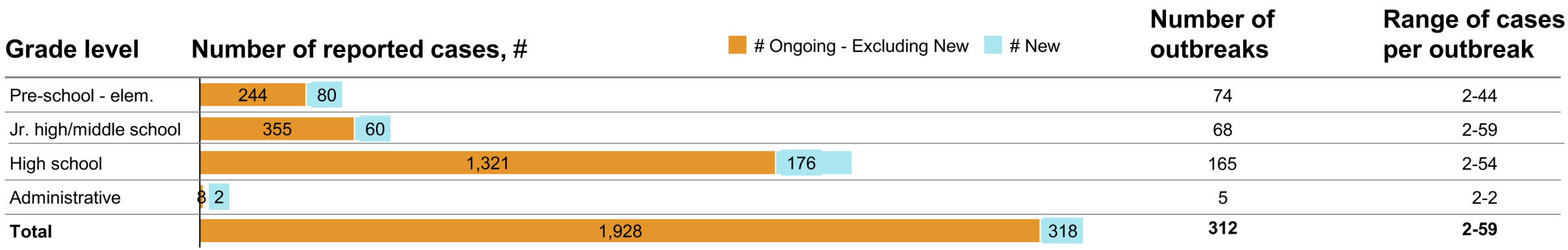
NOTE: Many factors, including the lack of ability to conduct effective contact tracing in certain settings, may result in significant underreporting of outbreaks. This chart does not provide a complete picture of outbreaks in Michigan and the absence of identified outbreaks in a particular setting in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

K-12 school outbreaks, recent and ongoing, week ending Apr 8

Number of reported outbreaks increased since last week (301 to 312) including increases in Administrative (4 to 5), Middle/Jr High (64 to 68), and Pre-K – Elementary (61 to 74). Only High Schools decreased (172 to 165).



Region	Number of reported cases, #		Number of outbreaks	Range of cases per outbreak
Region 1	385	99	60	2-59
Region 2n	306	61	103	2-28
Region 2s	139	30	27	2-20
Region 3	539	65	43	2-54
Region 5	143	15	22	2-41
Region 6	246	27	30	2-45
Region 7	151	21	25	2-26
Region 8	19	0	2	2-17
Total	1,928	318	**312**	**2-59**



Grade level	Number of reported cases, #		Number of outbreaks	Range of cases per outbreak
Pre-school - elem.	244	80	74	2-44
Jr. high/middle school	355	60	68	2-59
High school	1,321	176	165	2-54
Administrative	8	2	5	2-2
Total	1,928	318	**312**	**2-59**

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

School outbreaks in our 19 counties/60+ districts

Grade Level	Number of outbreaks (cases)
Preschool-elementary	• **1 new** outbreak (3 cases in MMDHD) • 6 ongoing outbreaks (17 cases in DHD10, 8 cases in MMDHD)
Jr. high/middle school	• **2 new** outbreak (8 cases total in MMDHD) • 4 ongoing outbreaks (2 cases in DHD10 and 12 in MMDHD)
High school	• **6 new** outbreaks (4 cases in CMDHD, 4 cases in DHD10, 18 in MMDHD) • 8 ongoing outbreak (19 cases in DHD10, 30 in MMDHD)
Administration	• **No new** outbreaks • 1 ongoing outbreaks (2 cases in MMDHD)
Totals:	• **9 new outbreaks (up from 7 last week), 37 cases** • **19 ongoing outbreaks (up from 15 last week), 90 cases total**

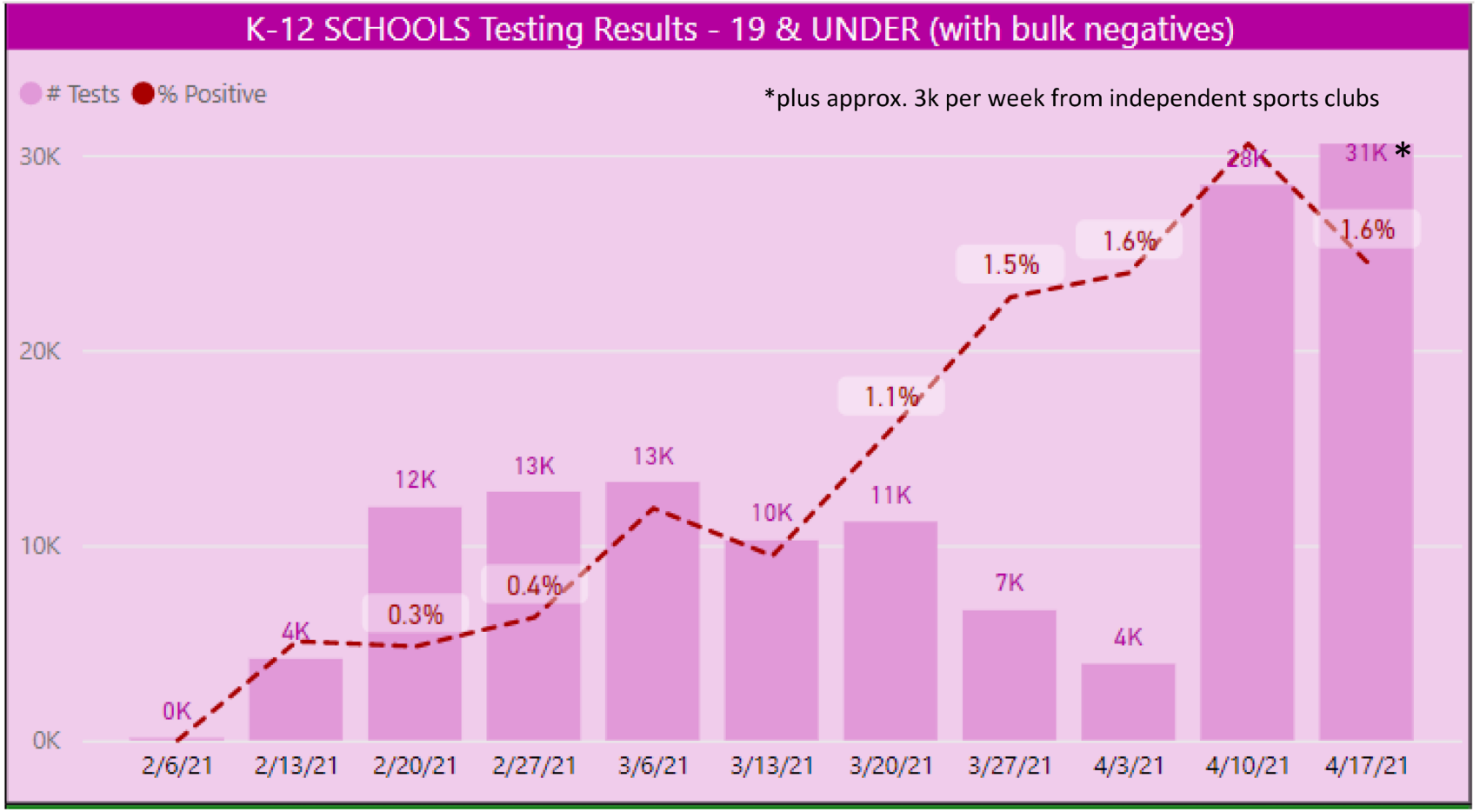
*ongoing outbreak = case(s) has been reported within last 28 days

**new outbreak = newly reported within prior week (report week from Thursday to Thursday (new outbreaks reported to the state by local health departments on Thursdays), website updated by MDHSS on Mondays)

K-12 and Sports Testing

MI Safe Start - School

Total Tests Re...	Positives	% Positive
142,998	1,752	1.23%



- Testing in K-12 students is at an all time high
  - We have **received 34K tests from schools and youth sports clubs in the current week alone**
- We continue to have testing available for educators on a weekly basis

Estimated Turnaround Times for COVID-19 Diagnostic Testing Results Received at MDHHS During Last 14 Calendar Days (through 04/07/2021)

Lab Type	Test Count	Transport Time (Days)	Total Turn Around Time (Days)
Commercial	348,083	0.58	1.78
Hospital	211,318	0.22	0.93
Public Health	3,767	0.12	2.34
SNF	4,568	0.06	14.65
State Total	567,736	0.41	1.55

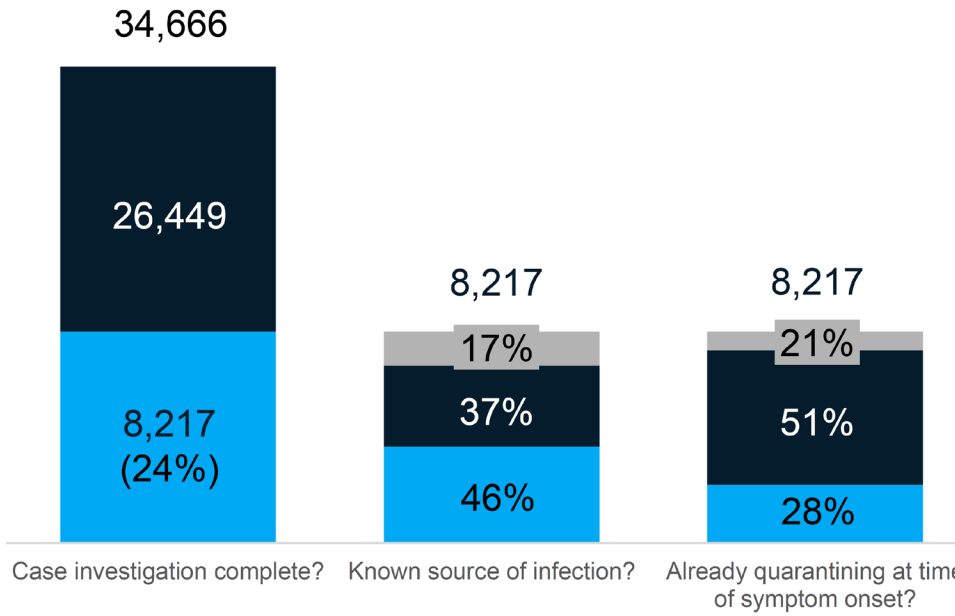
https://www.michigan.gov/coronavirus/0,9753,7-406-98163_98173-545615--,00.html

New Case Investigation Metrics (Statewide)

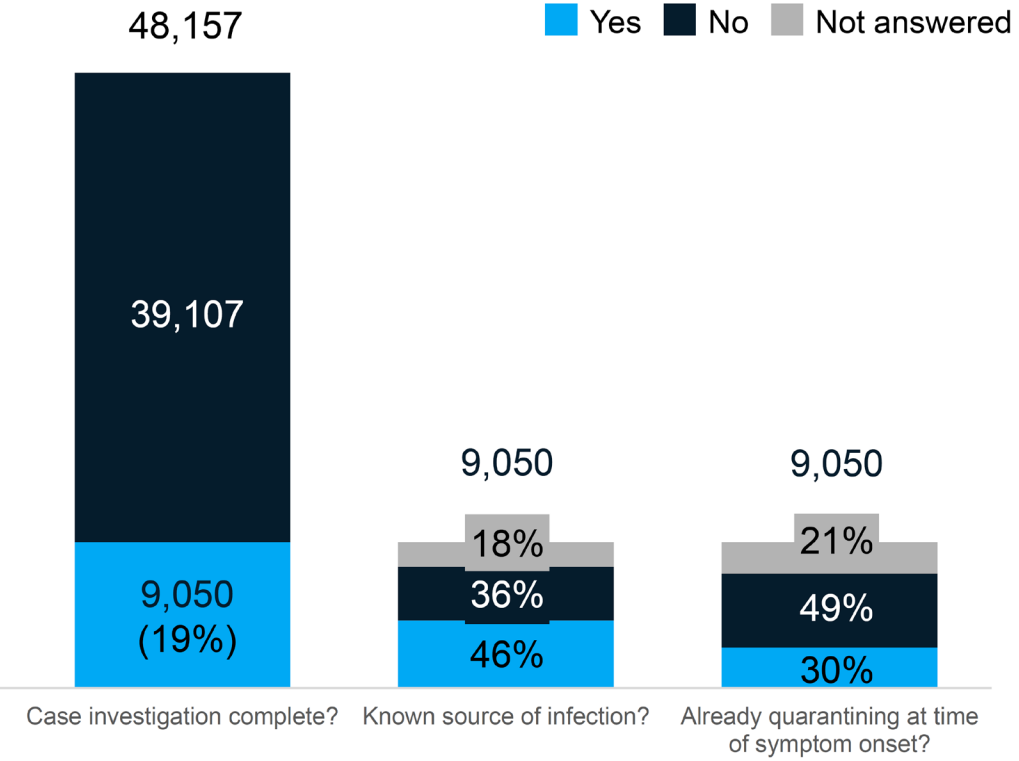
New Communicable Disease metrics this week:

- Number of cases not investigated this week (39,107) exceeds total number of cases reported the prior week (34,666)
- Number of case investigations completed increased although percent completed (19%) decreased
- 46% of investigated cases having a known source (46% last week, 45% week prior)
- 30% of investigated cases noting that they were quarantining before symptoms (28% last week)

03/27-04/02 Case report form information

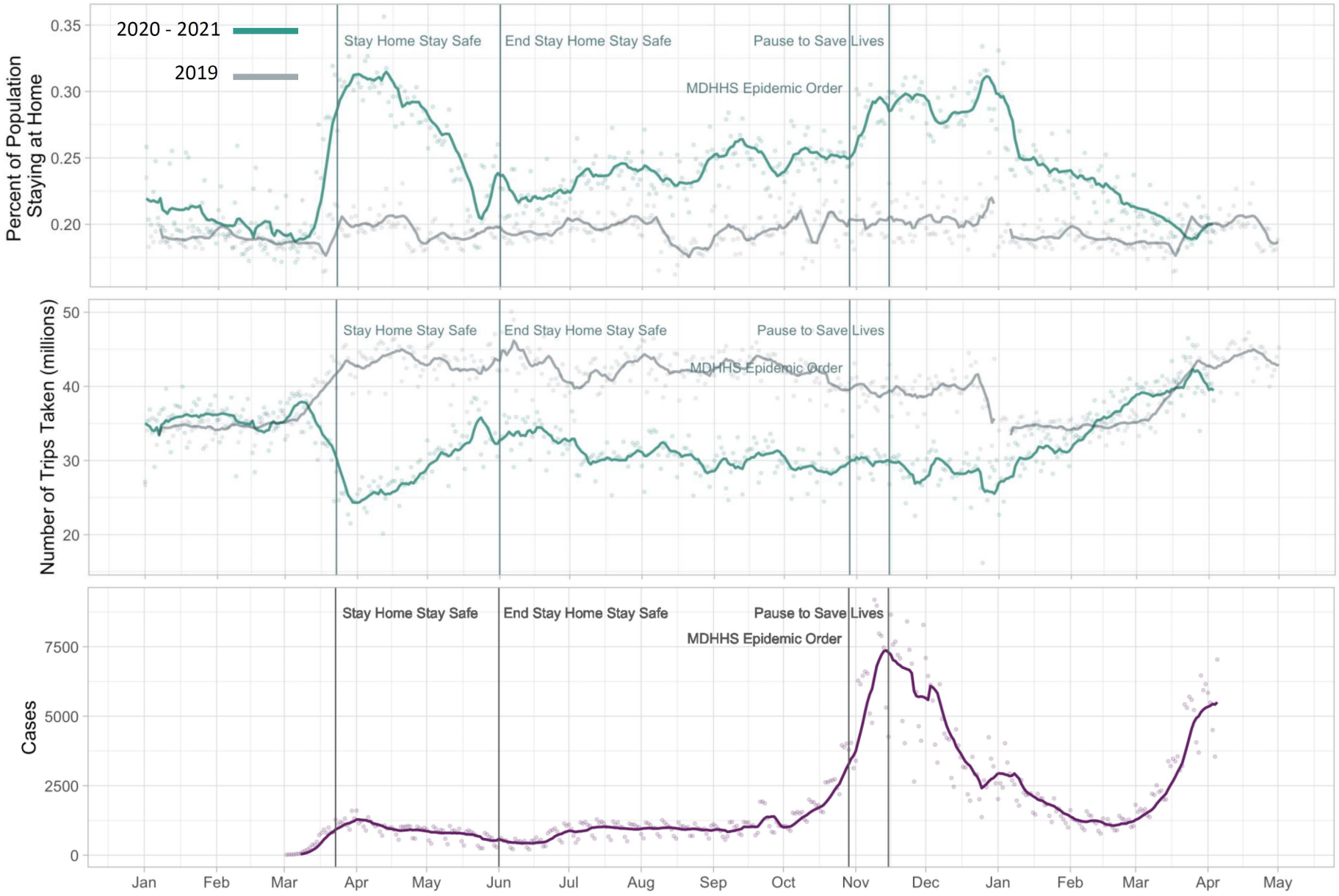


04/03-04/10 Case report form information



Source: MDHHS – Michigan Disease Surveillance System

How many people are staying at home in Michigan?



- % Stay-at-home levels have recently declined to 2019 levels
- Number of trips taken/day has recently increased to 2019 levels
- Most recent data is 4/3/21 (data as of 4/12/21)

Data Source: [Bureau of Transportation Statistics]

PUBLIC HEALTH

Please continue to encourage vaccination!!

- COVID-19 Vaccine Toolkit for School Settings and Childcare Programs https://www.cdc.gov/coronavirus/2019-ncov/vaccines/toolkits/schools-childcare.html
- MDHHS Vaccination communication materials https://app.box.com/s/4cy0so8b5ux8dzmdcj5297bikvc4sejz
- Go to our websites or https://vaccinefinder.org or **Michigan.gov/COVIDVaccine** or call the COVID-19 Hotline at 888-535-6136 (press 1) to find a vaccination appointment

Questions?

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jmorse@cmdhd.org
Cell: 989-802-2590

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For Missaukee, Crawford, Kalkaska, Wexford, Lake, Mason, Manistee, Oceana, Newaygo, Mecosta Counties
Kevin Hughes, MA
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For Montcalm, Gratiot, Clinton Counties
Marcus Cheatham, PhD
mcheatham@mmdhd.org
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www.mmdhd.org

Updated documents

- https://www.dhd10.org/coronavirus/school-guidance/ for UPDATED GUIDANCE DOCUMENTS
- **GUIDANCE FOR SCHOOLS**
- NEW – Contact Tracing in K-12 Sports Teams
- NEW – Travel Guidance
- NEW – Quarantine Guidance
- NEW – COVID-19 School Toolkit

- REMINDER: School Decision-Making Tool (will review at end)

Questions about Public Act 3 of 2021

(districts are required to offer, but not necessarily have students participate in, at least 20 hours per week of in-person instruction to all students by March 22, 2021)

- The legislature added a provision that school districts have to provide at least 20 hours of weekly face-to-face learning to be eligible for the dollars.
- There is some helpful information in this MDE Memo https://www.michigan.gov/documents/mde/FAQ_on_20_Hours_719943_7.pdf

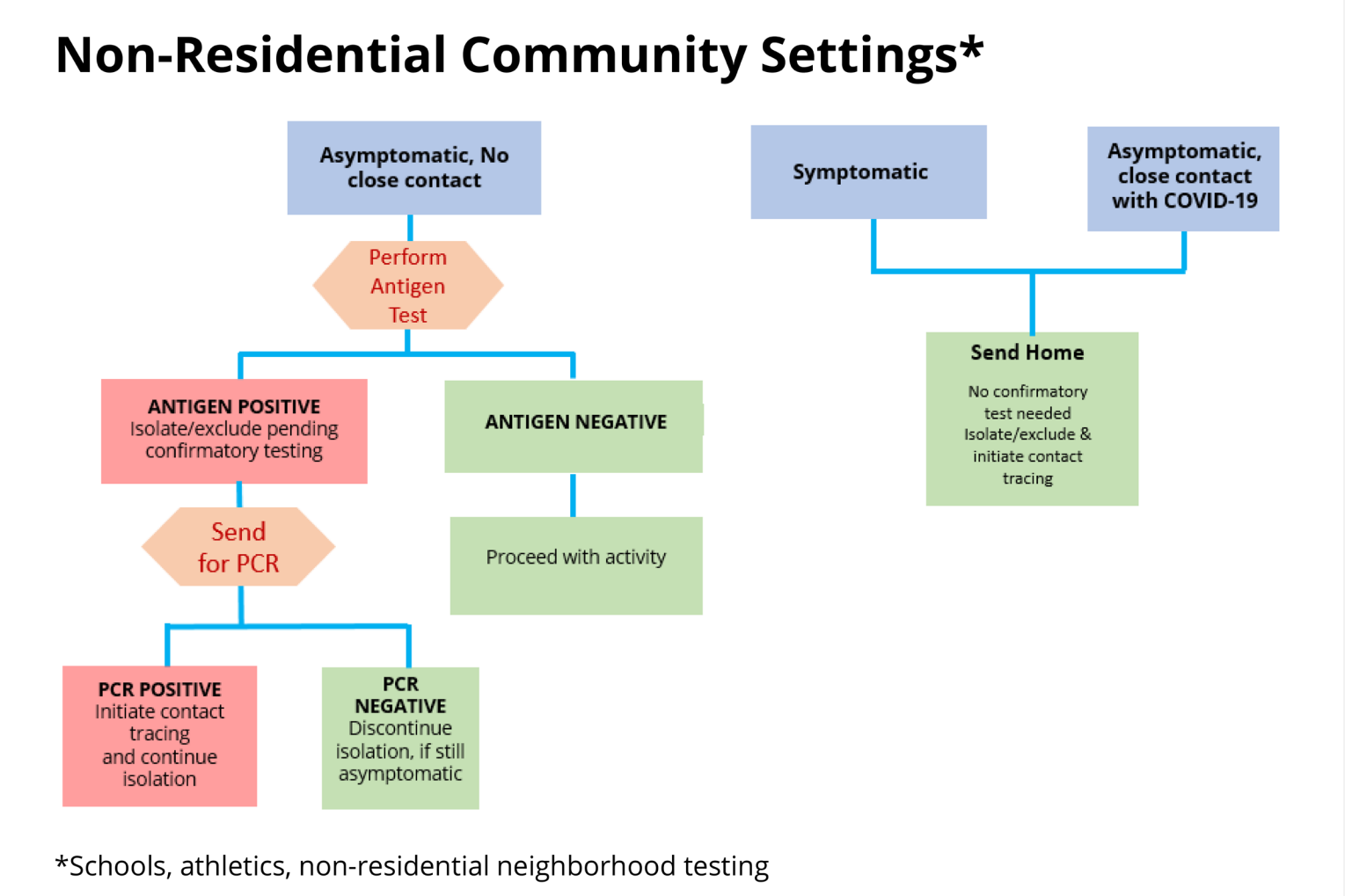
Change in Quarantine in Michigan (back to the CDC recommended 14 day)

- Effective 4/5/2021 Michigan will reinstitute a standard 14-day quarantine for close contacts of COVID-19 cases. This will remove the option of a 10-day quarantine.
  - *As a reminder, a "test out of quarantine" strategy has never been adopted in the State of Michigan. Guidance will be updated at www.michigan.gov/containcovid and in the standard operating procedures located here: https://www.michigan.gov/documents/mdhhs/nCoV_SOP_TEAM_680994_7.pdf*
- Updates made to their FAQ to reflect this change https://www.michigan.gov/documents/mdhhs/2019-nCoV_Web_FAQ_Final_02.07.20_680693_7.pdf

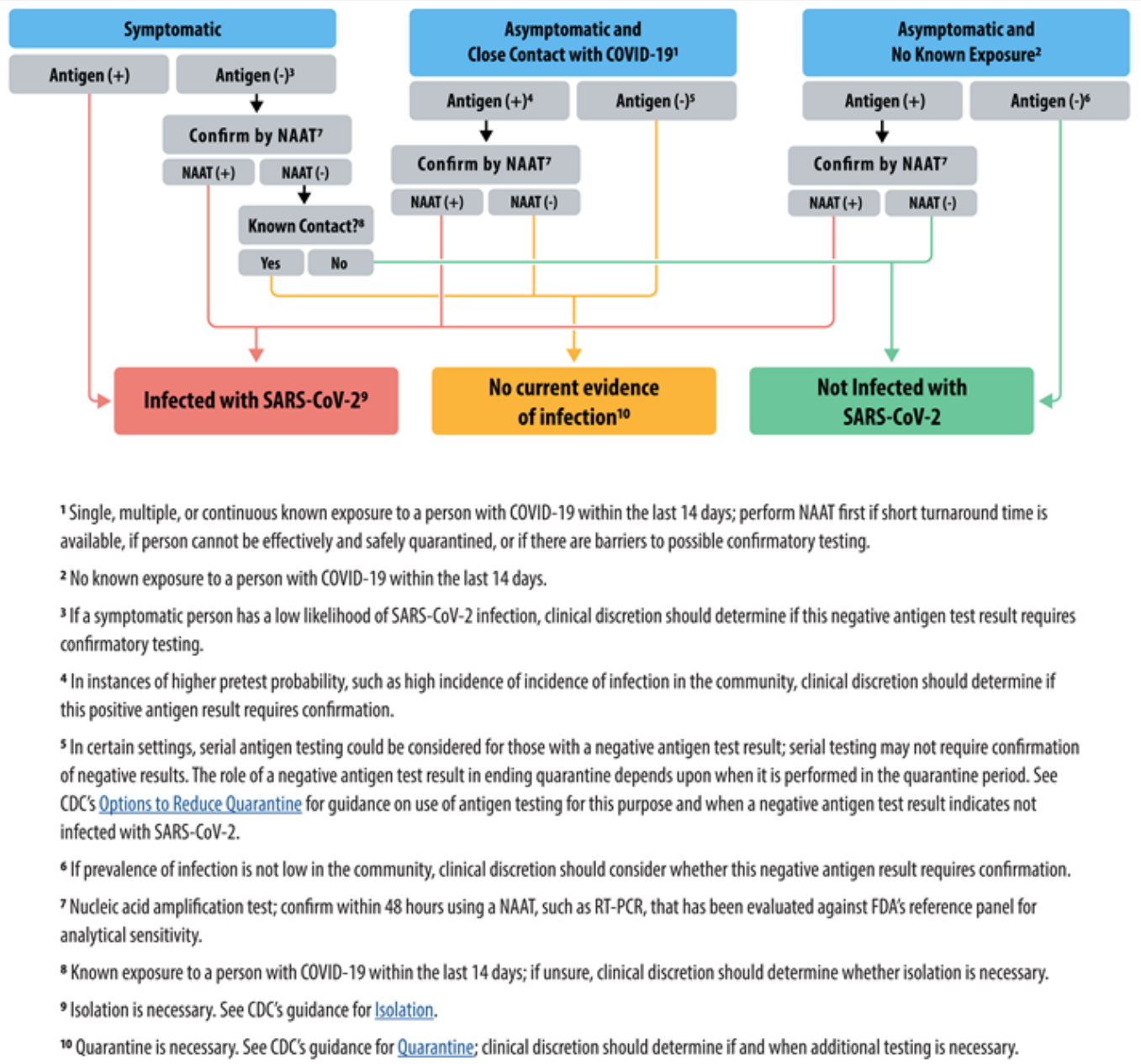
Changes in Recommendation in Travel for Vaccination

- Domestic travel (travel inside United States or a U.S. territory):
  - *Fully vaccinated domestic travelers do not need to:*
    - Get a COVID-19 viral test before or after domestic travel, unless required locally.
    - Self-quarantine unless required locally.
- International Travel:
  - *Should be aware of the situation at their destinations before traveling due to the spread of new variants and because the amount and control of COVID-19 is different in other countries.*
  - *Fully vaccinated international travelers do not need to:*
    - Get a COVID-19 viral test before leaving the United States unless required by their destination.
    - Self-quarantine in the United States following international travel, unless required locally.
  - *Fully vaccinated air travelers coming to the United States from abroad are still required to have a negative COVID-19 viral test result or documentation of recovery from COVID-19 before they board a flight to the United States.*
  - *International travelers arriving in the United States are still recommended to get a COVID-19 viral test 3-5 days after travel regardless of vaccination status.*

Handling Rapid Antigen Results



Page 8, **MDHHS Antigen Tests: Frequently Asked Questions and Resources** https://www.michigan.gov/documents/coronavirus/BinaxNOW_FAQ_706167_7.pdf (in the **MI Safer Sports Testing Program** section)



[1] Single, multiple, or continuous known exposure to a person with COVID-19 within the last 14 days; perform NAAT first if short turnaround time is available, if person cannot be effectively and safely quarantined, or if there are barriers to possible confirmatory testing.

[2] No known exposure to a person with COVID-19 within the last 14 days.

[3] If a symptomatic person has a low likelihood of SARS-CoV-2 infection, clinical discretion should determine if this negative antigen test result requires confirmatory testing.

[4] In instances of higher pretest probability, such as high incidence of incidence of infection in the community, clinical discretion should determine if this positive antigen result requires confirmation.

[5] In certain settings, serial antigen testing could be considered for those with a negative antigen test result; serial testing may not require confirmation of negative results. The role of a negative antigen test result in ending quarantine depends upon when it is performed in the quarantine period. See CDC's Options to Reduce Quarantine for guidance on use of antigen testing for this purpose and when a negative antigen test result indicates not infected with SARS-CoV-2.

[6] If prevalence of infection is not low in the community, clinical discretion should consider whether this negative antigen result requires confirmation.

[7] Nucleic acid amplification test; confirm within 48 hours using a NAAT, such as RT-PCR, that has been evaluated against FDA's reference panel for analytical sensitivity.

[8] Known exposure to a person with COVID-19 within the last 14 days; if unsure, clinical discretion should determine whether isolation is necessary.

[9] Isolation is necessary. See CDC's guidance for Isolation.

[10] Quarantine is necessary. See CDC's guidance for Quarantine; clinical discretion should determine if and when additional testing is necessary.

https://www.cdc.gov/coronavirus/2019-ncov/lab/resources/antigen-tests-guidelines.html for details (algorithm at https://www.cdc.gov/coronavirus/2019-ncov/lab/resources/Antigen_Testing_Algorithm_2020-12-14_v03_NO_DRAFT_SPW_508.pdf (NAAT is same thing as PCR)

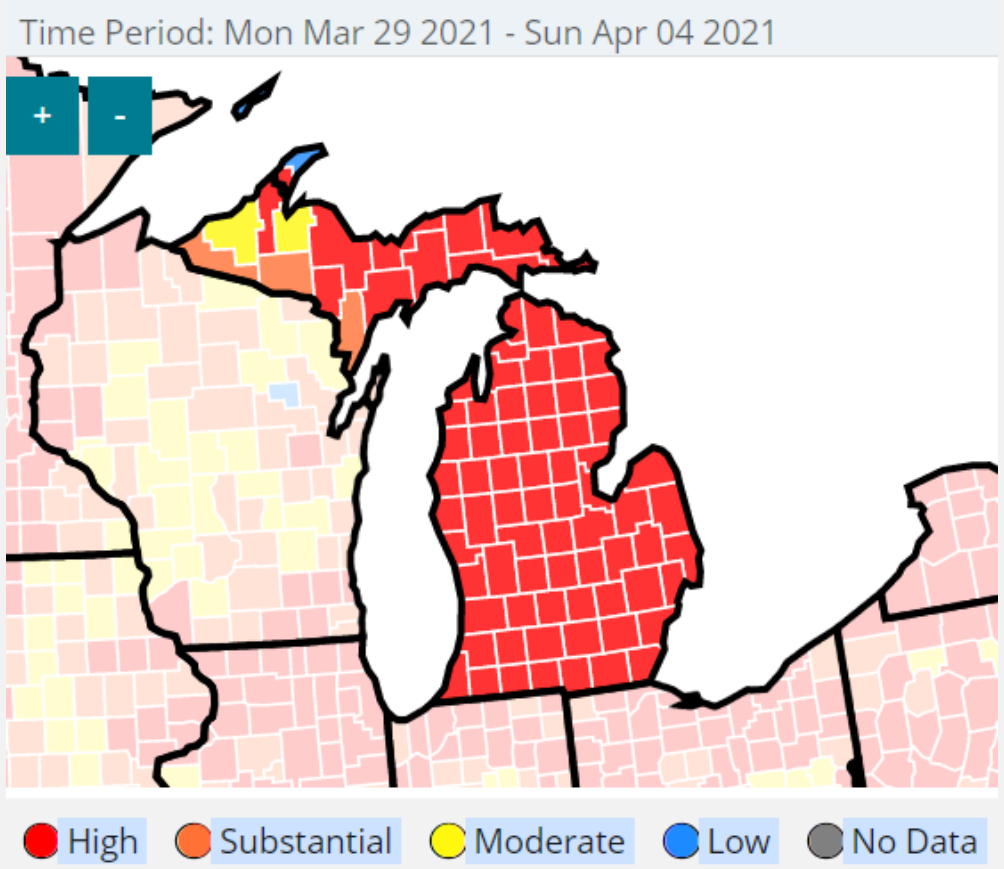
"Because of concerns about false positive results when pretest probability is low, a positive antigen test result in this circumstance (asymptomatic, no exposure to COVID) should be followed by a confirmatory NAAT."

You don't consider them infected until you get back the PCR test, though, so you wait on contact tracing until it is back

Operational Strategy for K-12 Schools through Phased Prevention

https://www.cdc.gov/coronavirus/2019-ncov/community/schools-childcare/operation-strategy.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fcommunity%2Fschools-childcare%2Fschools.html

- **Screening testing for sports**: To facilitate safe participation in sports and reduce transmission in activities that have elevated risk, **schools may consider requiring screening testing for participation. Schools can implement testing among student athletes/participants, coaches, and trainers, and any other individuals (such as parent volunteers) who could come into close contact with others during these activities.** Sports events, competitions, and activities could include universal screening testing the day of the event or one day before.
- **Low and intermediate risk sports[3] include those that can be conducted outdoors, or indoors with masks. Testing at least once per week is recommended for these sports.**
- **High-risk sports[3] include those that cannot be done outdoors or with masks**. Testing twice per week in areas of low, moderate, and substantial community transmission is recommended for participation in these sports. **High-risk sports should be virtual or canceled in areas of high community transmission.**



Antibody Testing

- **Proof of +antibodies DOES NOT EXCLUDE YOU from quarantine.**
  - *You can only avoid quarantine if you have proof of infection w/I 90 days or are fully vaccinated 2 or more weeks at the time of exposure.*
- References here: https://www.cdc.gov/coronavirus/2019-ncov/testing/serology-overview.html
  - *Whether you test positive or negative for COVID-19 on a viral or an antibody test, you still should take steps to protect yourself and others.*
  - *We do not know how much protection (immunity) antibodies to the virus might provide against getting infected again. Confirmed and suspected cases of reinfection have been reported, but remain rare. Scientists are working to understand this.*
- And also here https://www.cdc.gov/coronavirus/2019-ncov/if-you-are-sick/quarantine.html
  - *People who have been in close contact with someone who has COVID-19—excluding people who have had COVID-19 within the past 3 months or who are fully vaccinated.* (no exclusions for those with + antibodies)

Operational Strategy for K-12 Schools through Phased Prevention, updated March 19

https://www.cdc.gov/coronavirus/2019-ncov/community/schools-childcare/operation-strategy.html

DEFINITION OF A CLOSE CONTACT HAS NOT CHANGED!!!!!

- **Case investigation and contact tracing*:**
  - ***The definition of a close contact is someone who was within 6 feet*** *of a person diagnosed with COVID-19 for a total of 15 minutes or more over a 24-hour period. The definition of a close contact applies regardless of whether either person was wearing a mask.*
  - ***For schools that use less than 6 feet between students in classrooms, the definition of close contacts should not change. Students sitting less than 6 feet*** *next to another student or person diagnosed with COVID-19 for a total of 15 minutes or more should quarantine at home and be referred for testing.*

cdc.gov/coronavirus/2019-ncov/community/schools-childcare/operation-strategy.html

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- **Case investigation and contact tracing:** Schools should work with the local health department to facilitate, to the extent allowable by applicable laws, systematic case investigation and contact tracing of infected students, teachers, and staff, and consistent isolation of cases and quarantine of close contacts. Schools can prepare and provide information and records to aid in the identification of potential contacts and exposure sites, consistent with applicable laws, including those related to privacy and confidentiality. Collaboration between the health department and K-12 school administration to obtain contact information of other individuals in shared rooms, class schedules, shared meals, or extracurricular activities will expedite contact tracing. For schools to remain open, health departments should ensure they have enough [illegible] to complete case investigation and notify contacts within 48 hours of a positive test result. Prompt identification, quarantine, and monitoring of those contacts exposed to SARS-CoV-2 can effectively break the chain of transmission and prevent further spread of the virus.
  - The definition of a close contact is someone who was within 6 feet of a person diagnosed with COVID-19 for a total of 15 minutes or more over a 24 hour period. The definition of a close contact applies regardless of whether either person was wearing a mask.
  - For schools that use less than 6 feet between students in classrooms, the definition of close contacts should not change. Students sitting less than 6 feet next to another student or person diagnosed with COVID-19 for a total of 15 minutes or more should quarantine at home and be referred for testing.

From CDC website 4/8/21