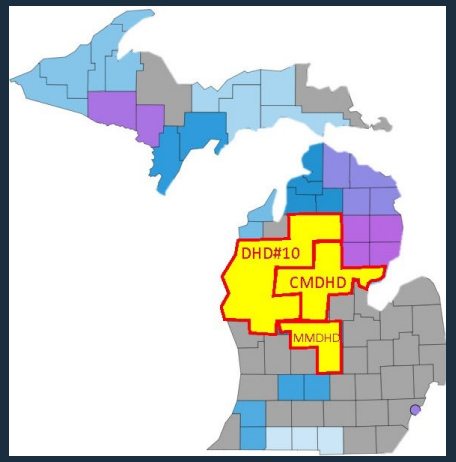
Back to School 2020-2021 Update April 22

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.

Reminder:

Please answer survey letting me know if you are or are not interested in supporting the joint statement/press release from the health department and area schools encouraging vaccination

BY MONDAY APRIL 26th

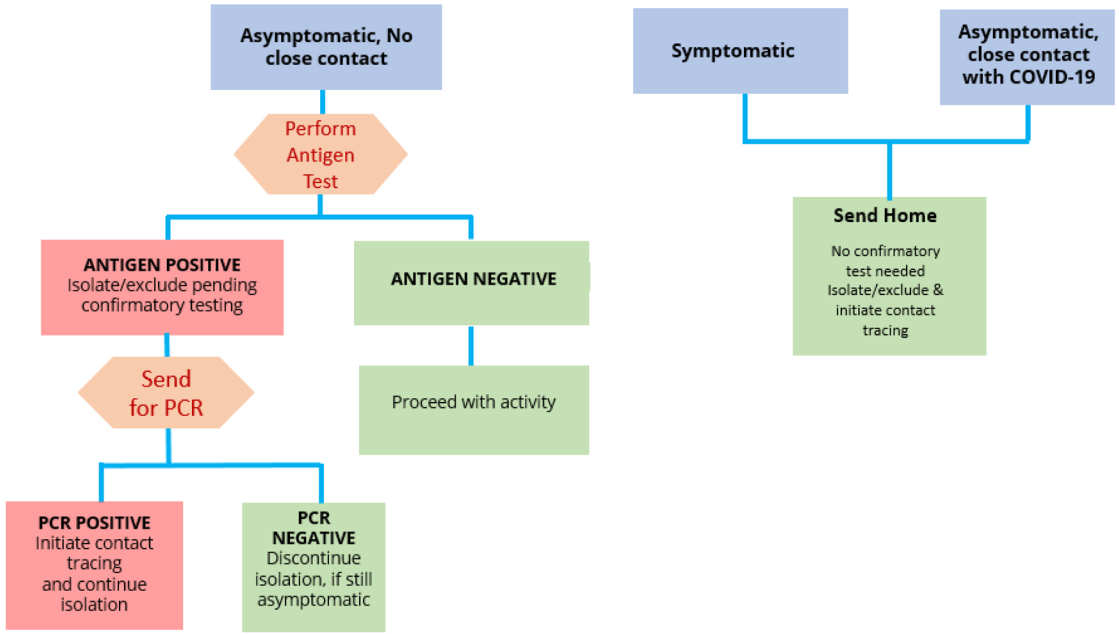
- See email sent April 19th with all information (sent to district superintendents)
- Contact me at jmorse@cmdhd.org if you did not receive it or have questions

You only need to contact trace close contacts in your building

- Don’t worry about contacts from outside school building/sports like friends that had sleep overs, etc.
- If you have concerns someone is at school that is a close contact to someone, contact your county CD nurse

Reminder: Handling Rapid Antigen Results

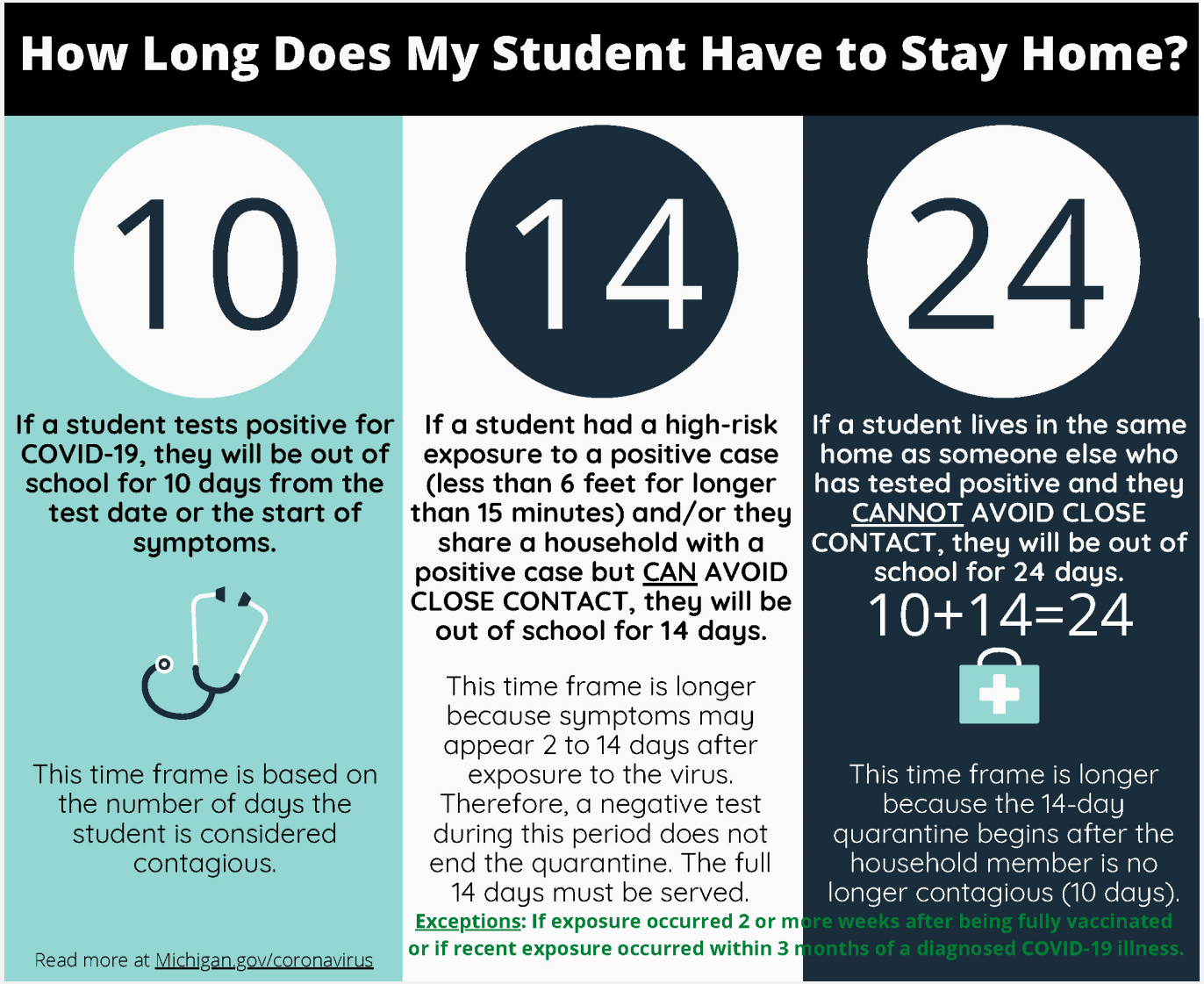
Non-Residential Community Settings*



*Schools, athletics, non-residential neighborhood testing

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)

- If a student with a positive rapid antigen test is asymptotic and has not had close contact to someone with COVID-19 in the past 14 days:
  - You can wait on contact tracing while awaiting PCR results IF
    - There is not a delay in getting PCR testing done or getting PCR results
  - IF the student refuses PCR testing, does not go for PCR testing within 1-2 days, or PCR test results are not available within 2-4 days
    - Start contact tracing and quarantine of close contacts
      - If PCR results from testing was done within 48 hours of the antigen test and eventually come back negative, the close contacts can be released from quarantine
- IF STUDENT WITH A POSITIVE RAPID ANTIGEN TEST HAS ANY SYMPTOMS OF COVID-19 OR WAS EXPOSED TO SOMEONE WITH COVID-19 IN THE PAST 14 DAYS
  - THEY DO NOT NEED A PCR TEST-THEY ARE A TRUE POSITIVE
    - EVEN IF THEY GET A PCR TEST AND IT IS NEGATIVE, THEY ARE STILL CONSIDERED INFECTED WITH COVID-19 (PCR CAN BE FALSELY NEGATIVE)
  - START CONTACT TRACING AND QUARANTINE IMMEDIATELY



Copy available at:

- https://www.cmdhd.org/novelschools
  - Information for Parents
    - How Long Does My Student Have to Stay Home?

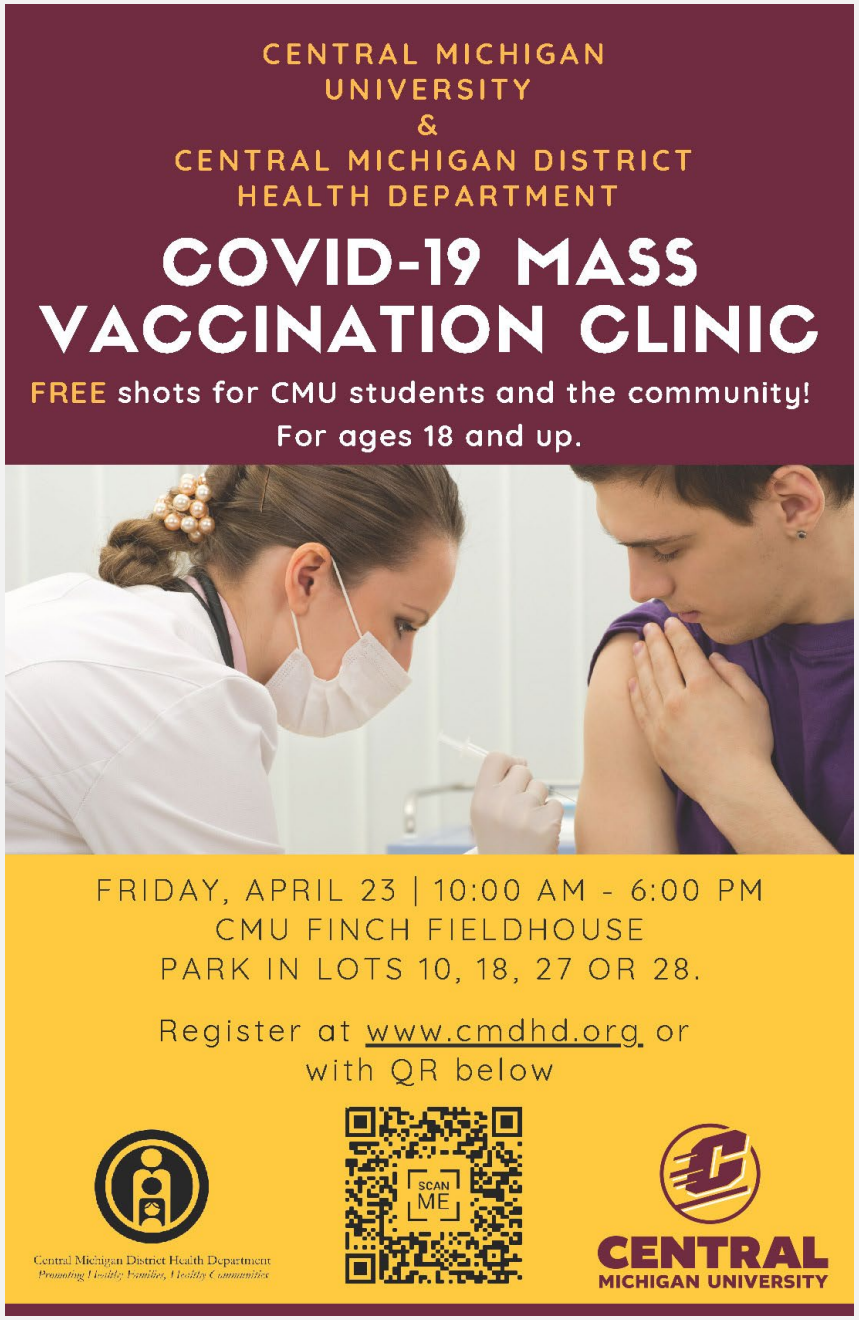
New(ish) Epidemic Order

- Replacement order in effect as of April 19th
- Only new content deals with childcare masking and goes into effect April 26th
  - *This puts MI rules in better compliance with CDC and AAP recommendations*

New Order Wording	Past Order Wording
A person responsible for a child care organization or camp, or an agent of such person, must not allow gatherings unless: • Face masks are worn by all staff; • A good faith effort is made to ensure that children aged 2 to 4 years wear a mask when participating in gatherings; • All children 5 years and older wear a mask when participating in gatherings.	A person responsible for a child care organization or camp, or an agent of such person, must not allow gatherings unless face masks are worn by all staff. Children must wear face masks as indicated below: • All children 2 years and older when on a school bus or other transportation provided by the child care organization or camp; • All children 4 years and older when in indoor hallways and indoor common areas; • All children 5 years and older when in classrooms, homes, cabins, or similar indoor settings.

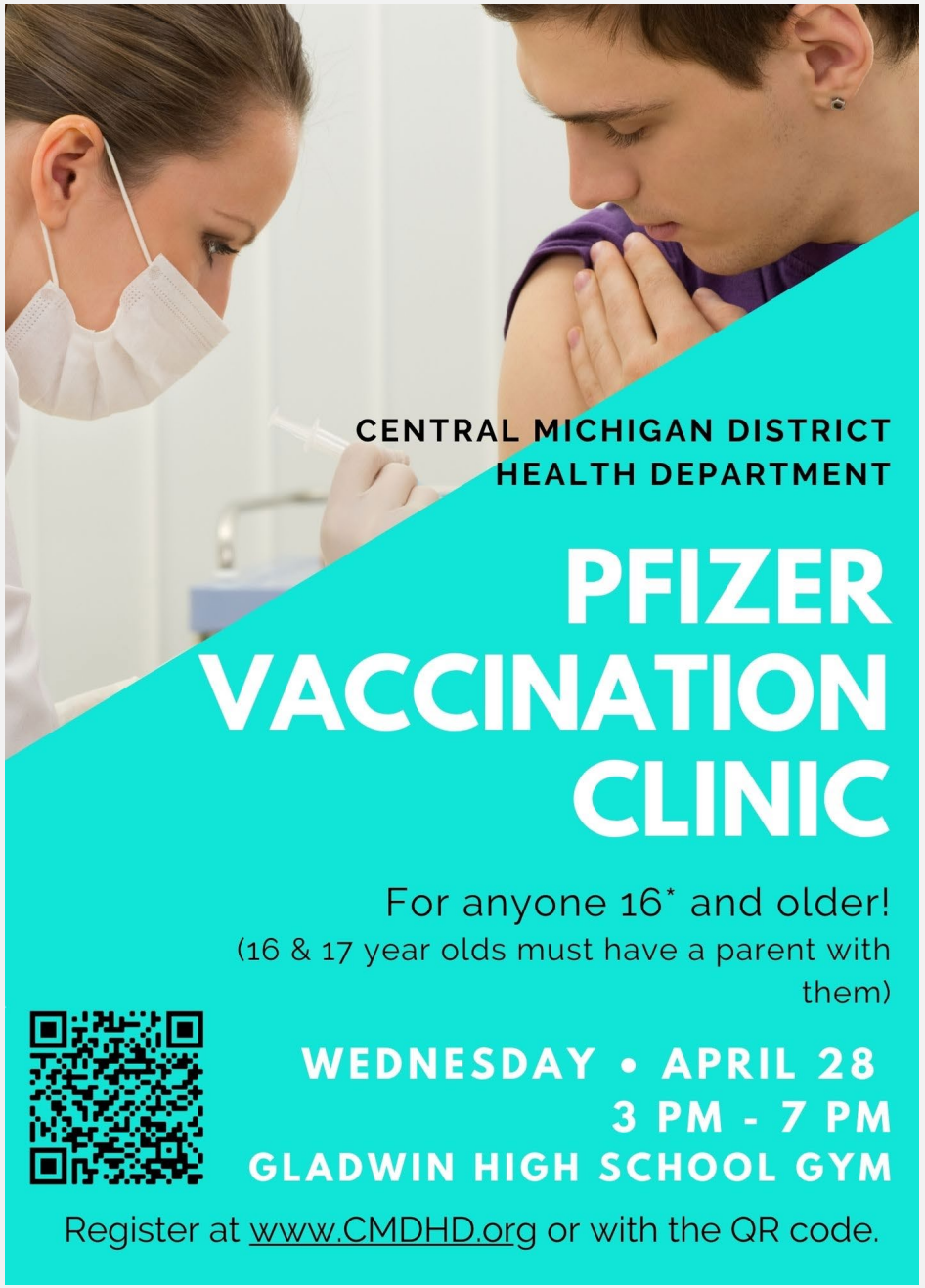
COVID-19 Vaccination Clinic
Open to ANYONE
over age 18
TOMORROW, April 23rd

- 10 a.m. to 6 p.m.
- CMU Finch Fieldhouse (Mt. Pleasant)
- Register at www.cmdhd.org



COVID-19 Vaccination Clinic
Open to ANYONE
age 16 and older
WEDNESDAY APRIL 28th

- 3 p.m. to 7 p.m.
- Gladwin High School
- Register at www.cmdhd.org



Community Testing Sites

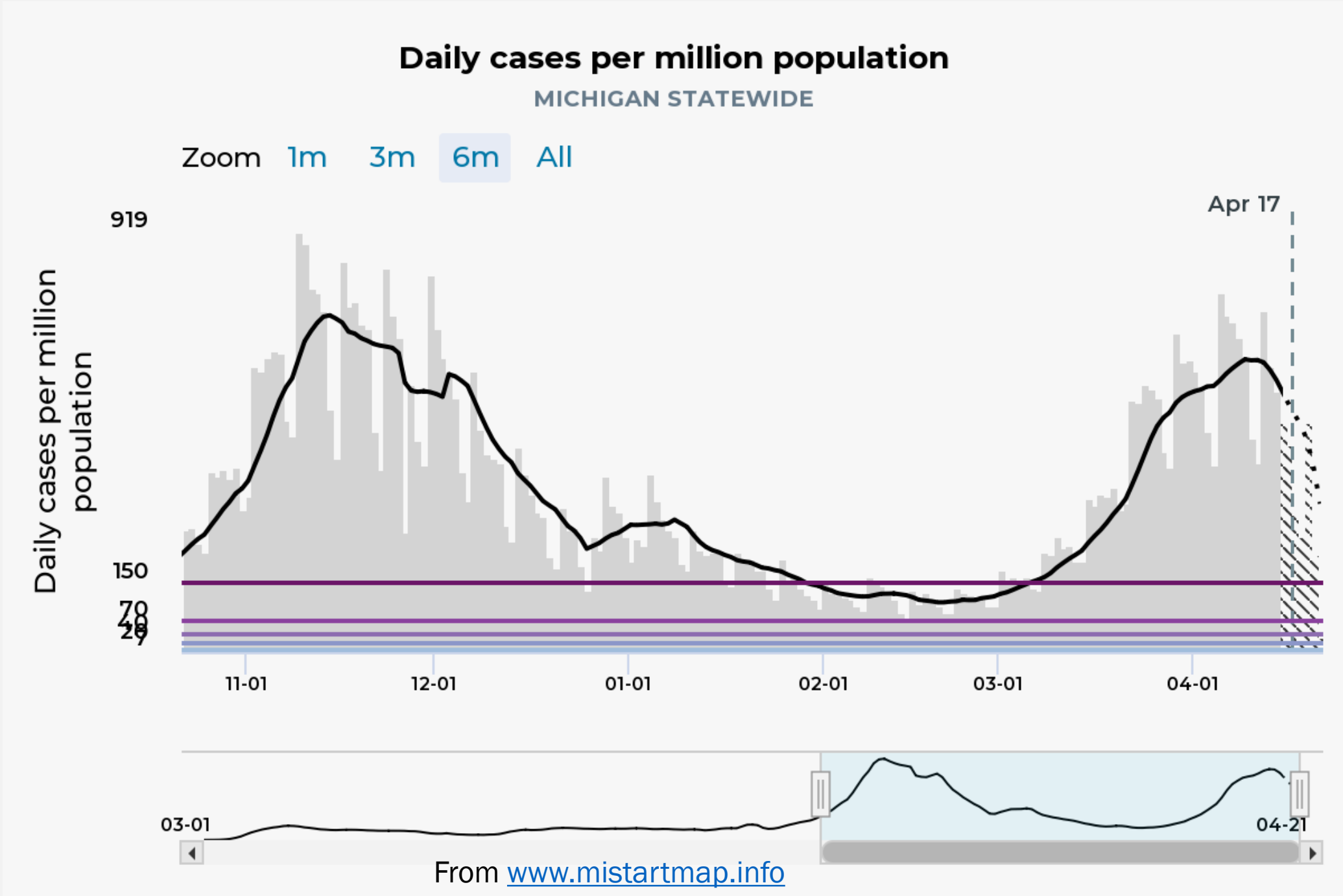
- All listed here https://www.michigan.gov/coronavirus/0,9753,7-406-98178_104699_104714-554722--,00.html
- Manistee ISD 4/23 12p-6p register at http://honumg.info/ManisteeISD
- Mesick High School 4/24 10a-4p register at http://honumg.info/MesickHS
- Lake City High School 4/25 10a-4p register at http://honumg.info/LakeCityHS
- Wexford-Missaukee ISD 5/1 10a-4p register at http://honumg.info/WexfordISD
- Clare Welcome Center US-127 at Mile #160 starts tomorrow, operating daily from 10a-5p

Review of Data

MI COVID Data and Modeling Update:

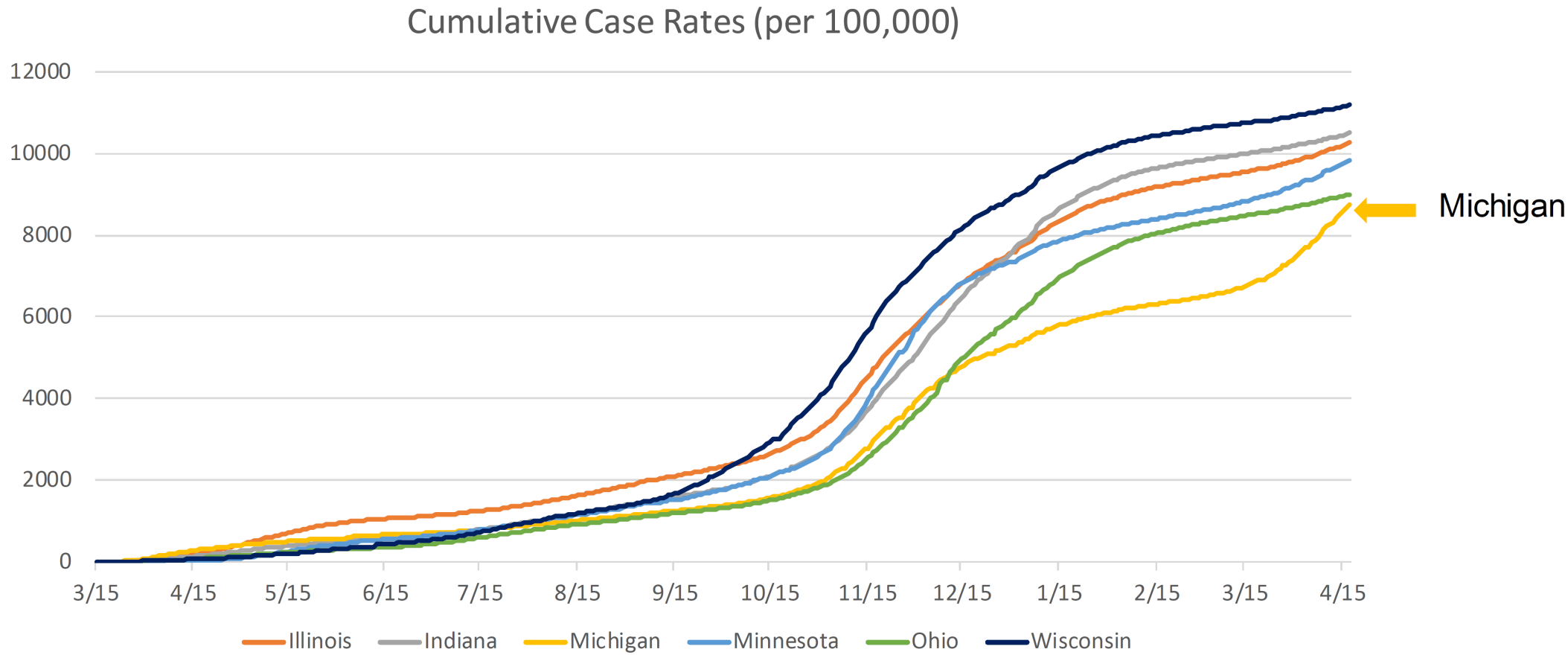
April 20th (data as of April 17th unless noted)

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



From www.mistartmap.info

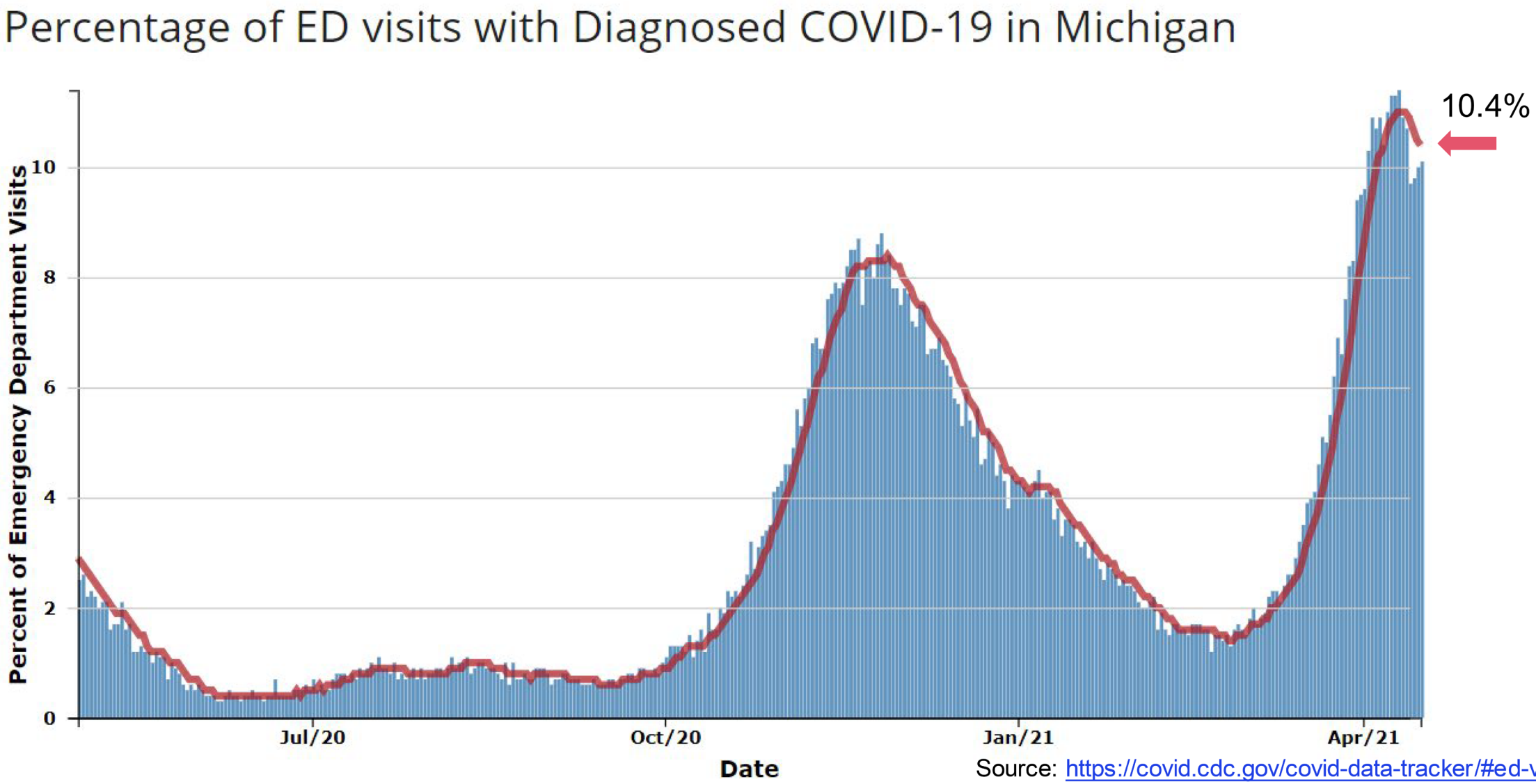
Cumulative COVID-19 Case Rates: Midwest Comparison



- Cumulative incidence per 100,000 cases in Michigan has been lower than other states in the Midwest following spring 2020 surge
- Michigan's mitigation policies helped control the spread of SARS-CoV-2 relative to other states in the Midwest, particular during surge in November and December
- The current trajectory in Michigan is bringing us closer to case rates of our Midwest neighbors

Source: CDC COVID Data Tracker – State Trend Comparison

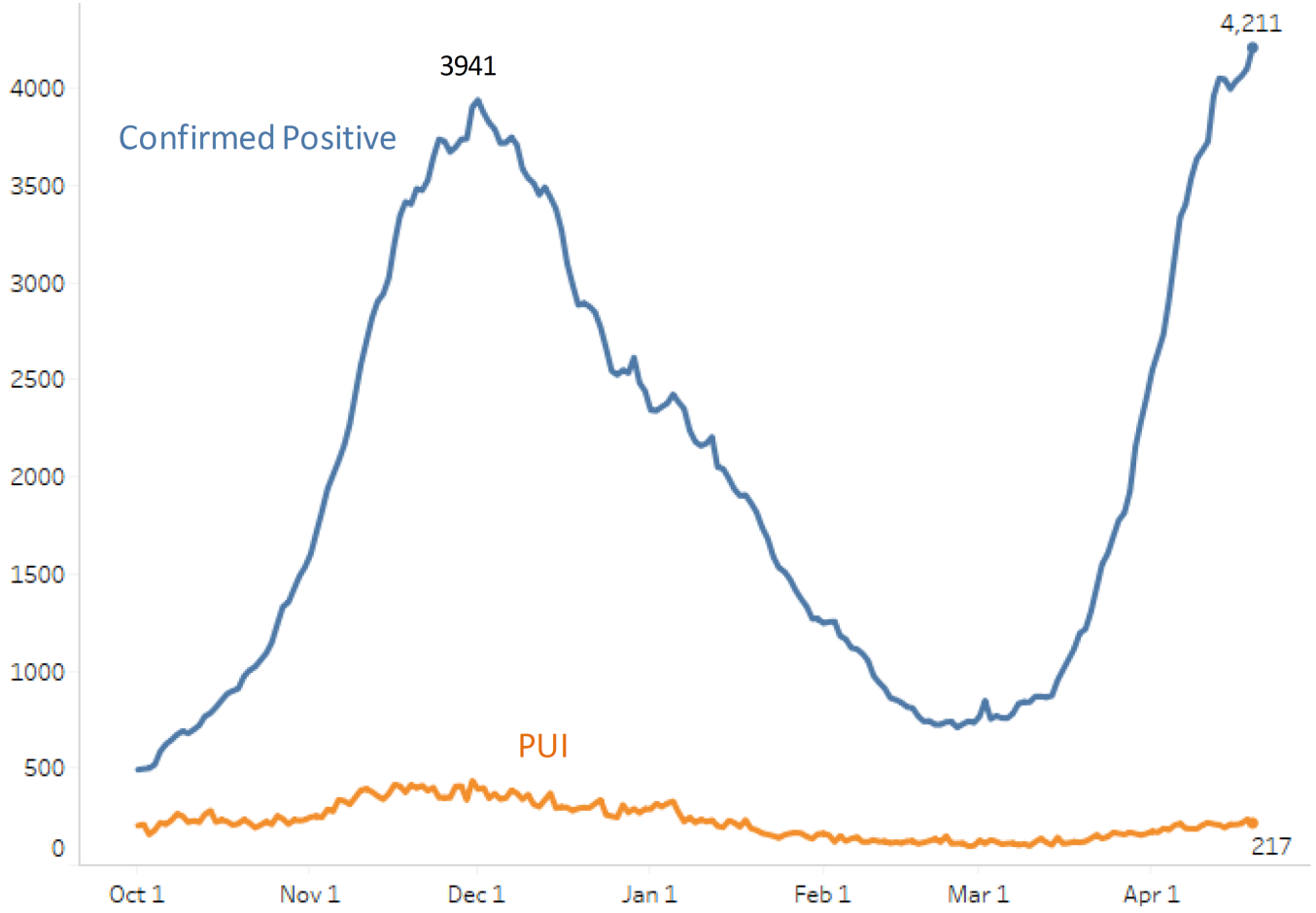
Michigan Trends in Emergency Department Visits for COVID-19-Like Illness (CLI)



Source: https://covid.cdc.gov/covid-data-tracker/#ed-visits

Statewide Hospitalization Trends: Total COVID+ Census

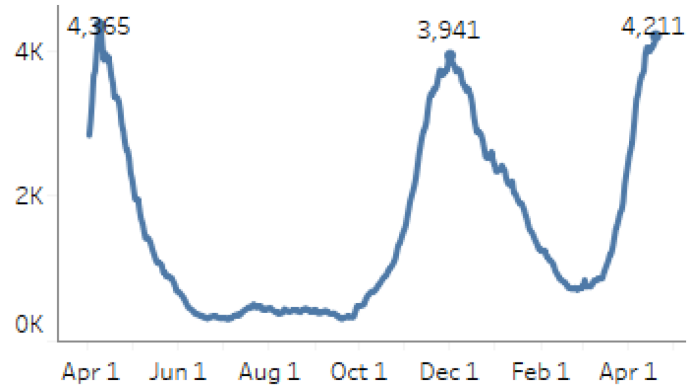
Hospitalization Trends 10/1/2020– 4/19/2021
Confirmed Positive & Persons Under Investigation (PUI)



COVID+ census in hospitals rose at a much slower rate this week of 6% from the previous week (vs. 26% increase last week). Confirmed census is now 4211 patients which is the highest confirmed number recorded since April 9, 2020 (2020 peak= 4365 on April 8th)

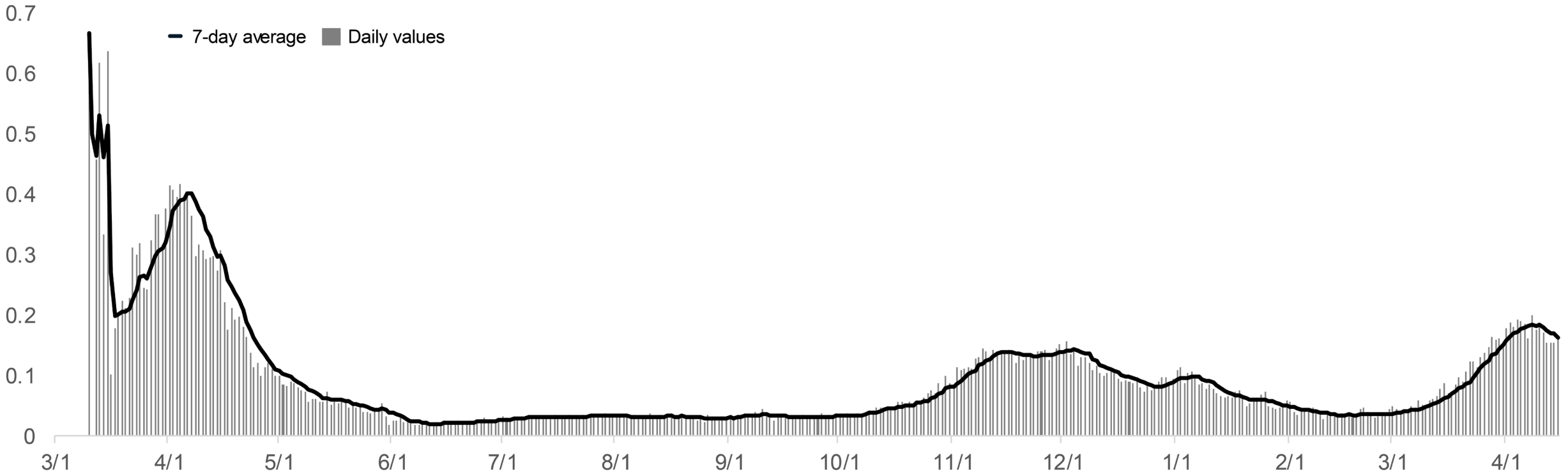
New hospital COVID admissions this week are down about 4% (~4000) vs. last week and the number of new admissions over the last 2 days was the lowest 2 day admission volume in the past 2 weeks.

Hospitalized COVID Positive Long Term Trend (beginning March 2020)



Statewide Positivity Trends

Daily positivity and 7-day rolling average positivity for Michigan

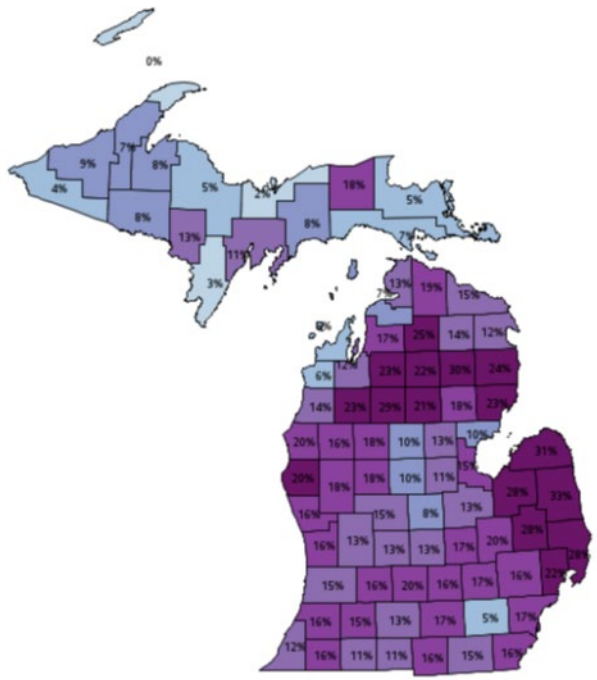


- Early in the pandemic, testing was not as robust as it has been since July 2020 to present
- Positivity is an early indicator of SARS-CoV-2 Transmission (as positivity increases, we expect case rates to follow)
- Current statewide positivity is the highest it has been since April 22, 2020*
- Positivity is down 11% from last week but remains 371% higher than the mid-February low
- 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

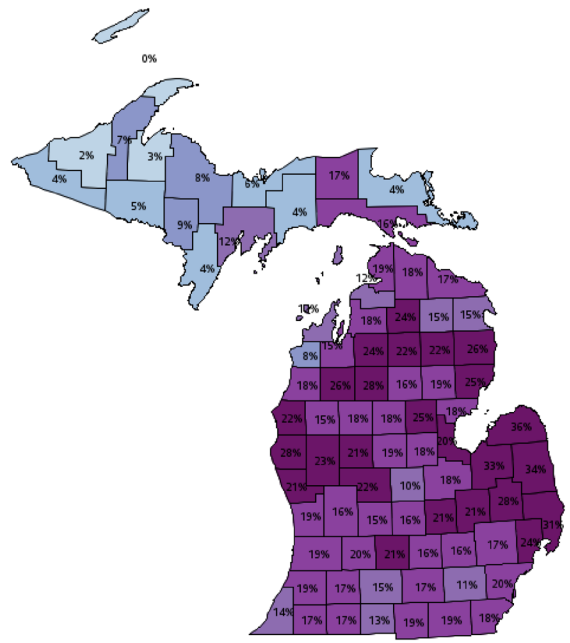
Positivity by county, 4/9-4/15

Two Weeks ago, 3/26- 4/1



Source: SEOC Testing Results – Excluding MDOC

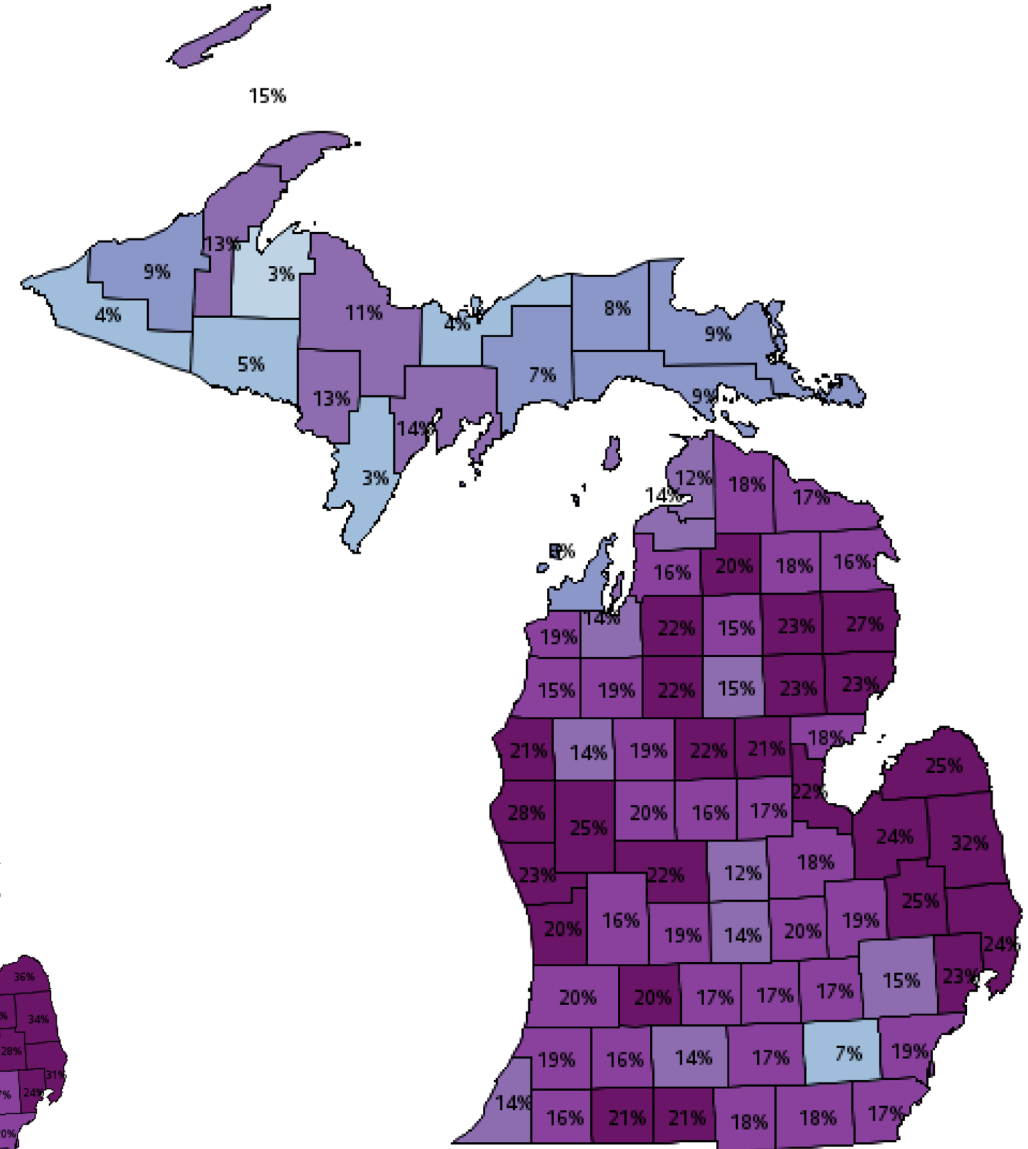
Last week, 4/2-4/8



Source: SEOC Testing Results – Excluding MDOC

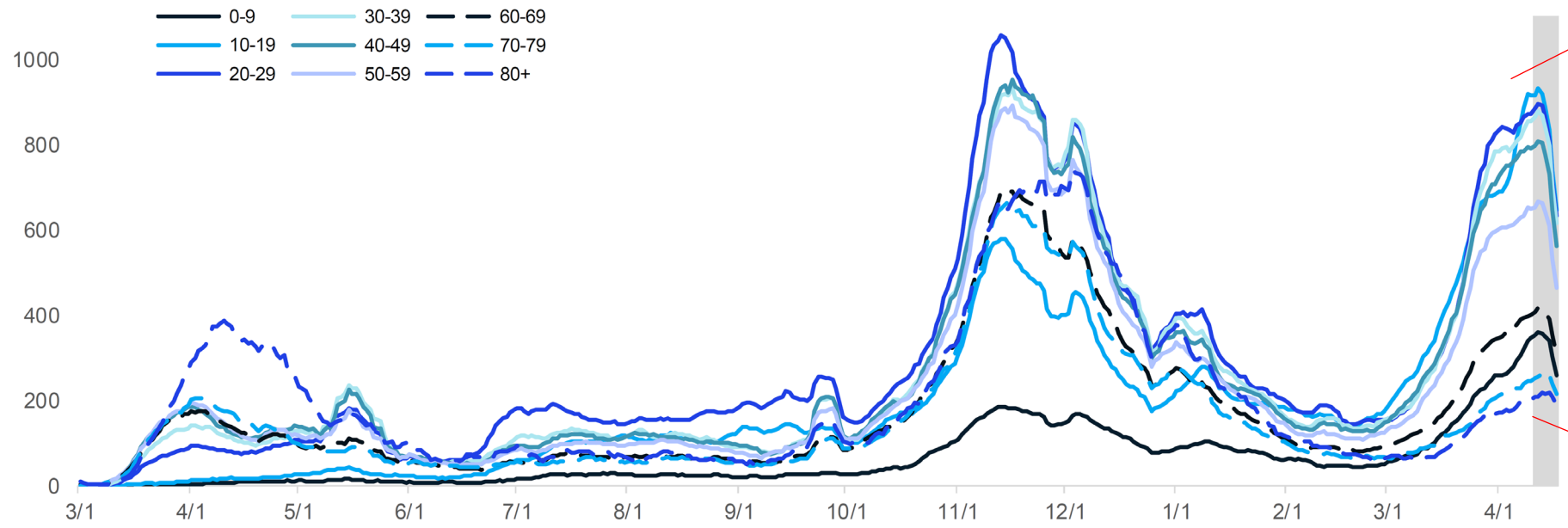
Average positivity per day

- <3%
- 3-7%
- 7-10%
- 10-15%
- 15-20%
- >=20%



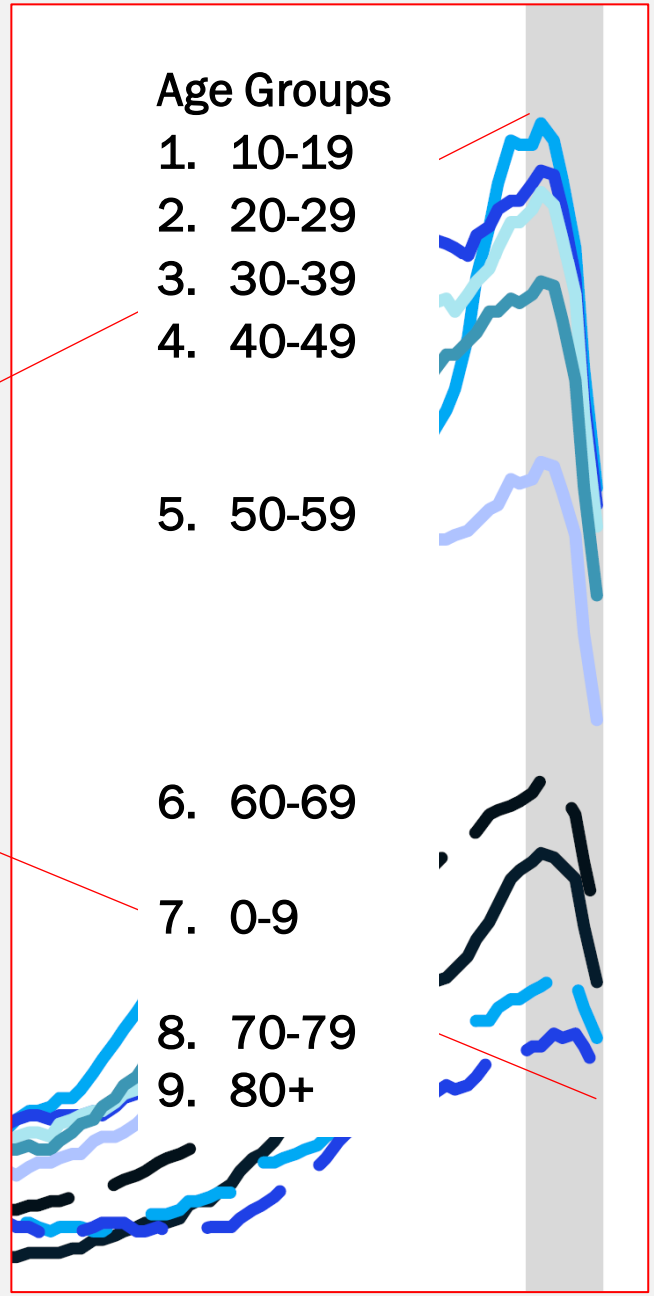
Age group: average new daily cases

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



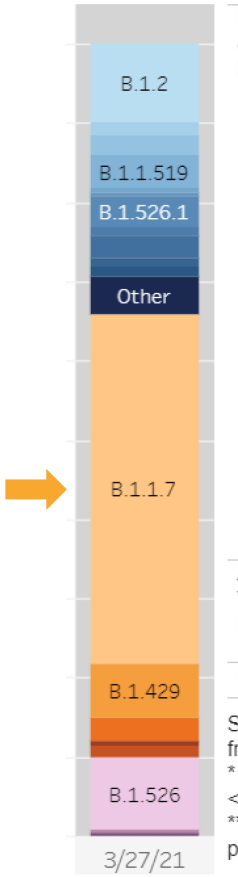
- All age groups by decade are increasing
- Those aged 10-19 have the highest case rates, followed by 20-29, 30-39, 40-49, and 50-59
- There are over 6,400 new cases per day (↑900)

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



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

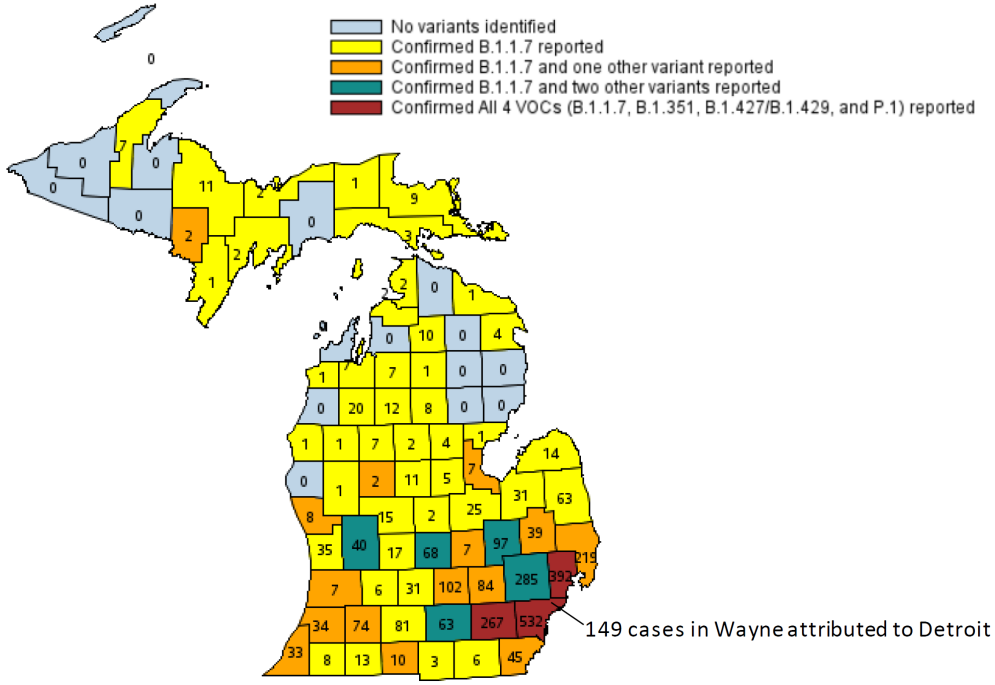
SARS-CoV-2 Variants Circulating in the United States, Mar 14 – Mar 27



	Lineage	% Total	95%CI	Type
**				
Most common lineages	B.1.1.7	44.1%	41.2-47.1%	VOC
	B.1.2	10.0%	8.9-11.2%	
	B.1.526	9.2%	7.2-11.7%	VOI
	B.1.429	6.9%	5.1-9.4%	VOC
	B.1.1.519	4.1%	3.4-5.0%	
	B.1.526.1	3.9%	3.3-4.7%	
	B.1.526.2	2.9%	2.3-3.8%	
	B.1.427	2.9%	2.2-3.9%	VOC
	B.1	2.4%	2.0-3.0%	
	B.1.596	1.7%	1.3-2.1%	
	P.1	1.4%	1.0-1.8%	VOC
	R.1	1.2%	0.8-1.6%	
	B.1.575	1.1%	0.9-1.5%	
	B.1.1	0.9%	0.6-1.5%	
	B.1.243	0.6%	0.4-1.0%	
	B.1.234	0.5%	0.3-0.7%	
Additional VOI/VOC lineages	B.1.351	0.7%	0.5-1.0%	VOC
	B.1.525	0.5%	0.3-0.7%	VOI
	P.2	0.3%	0.2-0.4%	VOI
Other*	Other	4.7%	4.1-5.4%	

Summary data that appear in the table include specimen collection dates from March 14 through March 27, 2021.
* Other represents >200 additional lineages, which are each circulating at <1% of viruses
** Most recent data (shaded) are subject to change as samples from that period are still being processed.

Emergent Variants of Cases in Michigan, Apr 19

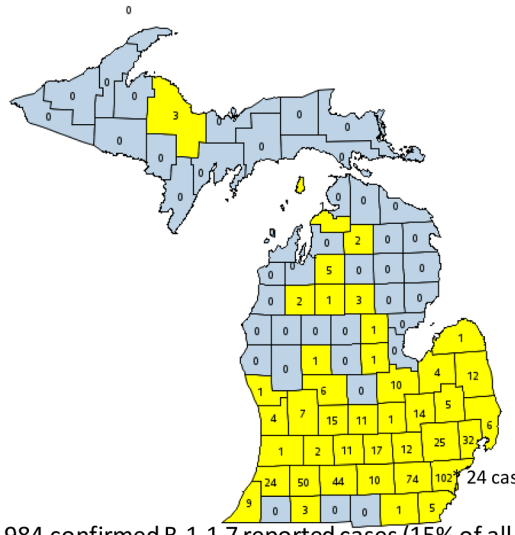


Variant	MI Reported Cases¶	# of Counties	CDC est. prevalence
B.1.1.7	3,455*	67	57.6%
B.1.351	15	10	0.1%
B.1.427/B.1.429	78	16	5.8%
P.1	26	8	0.2%

* 517 cases within MDOC; ¶ Several cases with county not yet determined

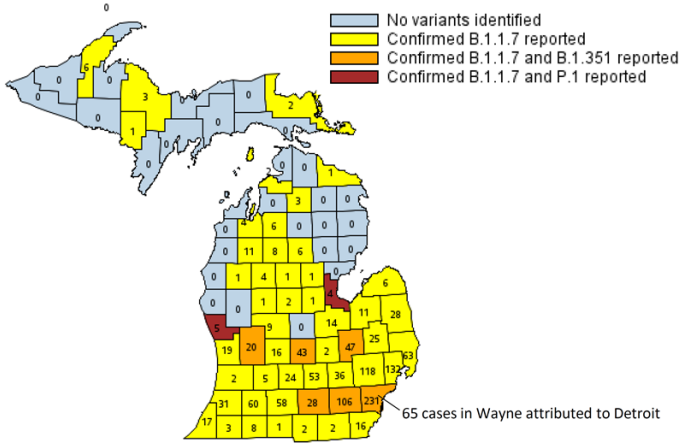
Data last updated April 20, 2021
Source: https://covid.cdc.gov/covid-data-tracker/#variant-proportions and Michigan Disease Surveillance System (MDSS)

As of March 30th



- 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

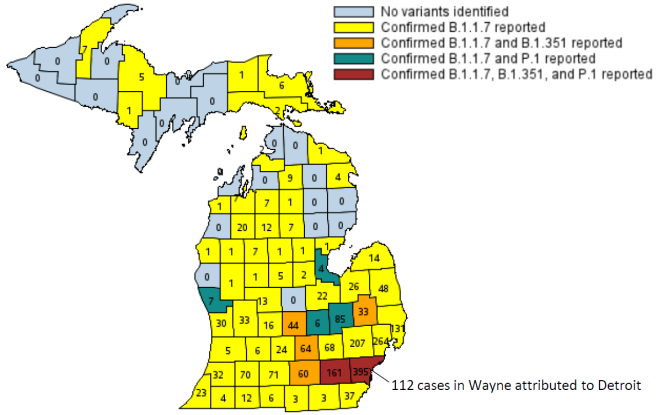
As of April 6th



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

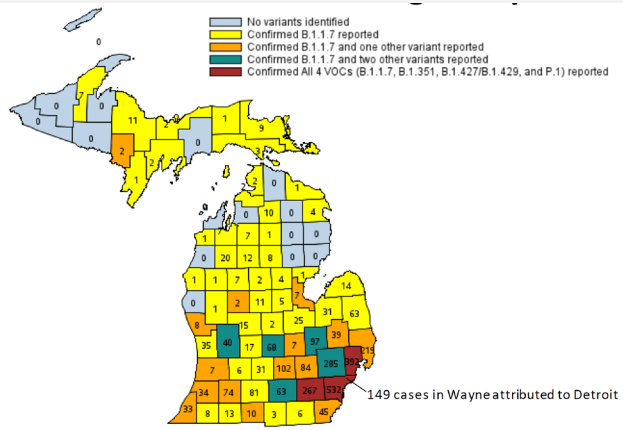


Variant	Reported Cases in MI	Number of Counties Reporting Cases
B.1.1.7	2,640*	62
B.1.351	9	6
P.1	9	5

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

veillance System (MDSS)

As of April 19th



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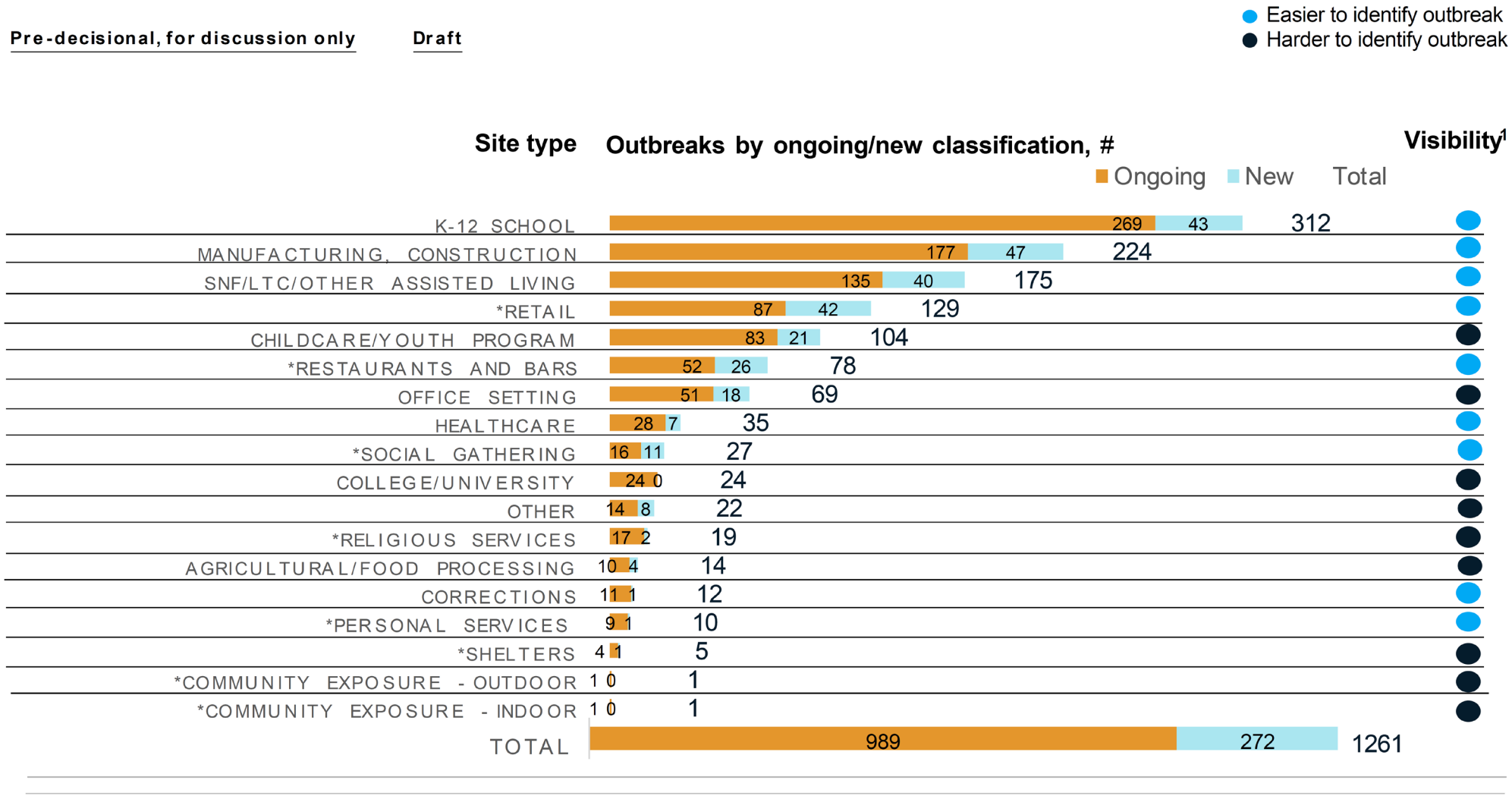
B.1.427/B.1.429	78	16	5.8%
P.1	26	8	0.2%

* 517 cases within MDOC; ¶ Several cases with county not yet determined

e System (MDSS)

Number of outbreak investigations by site type, week ending Apr 15

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



Total number of active outbreaks is up 10% from previous week

Following manufacturing/ construction (47), the greatest number of new outbreaks were reported inK-12 (43), retail (42), SNF/LTC (40), restaurants & bars (26), childcare/youth programs (21), office settings (18), and social gatherings (11).

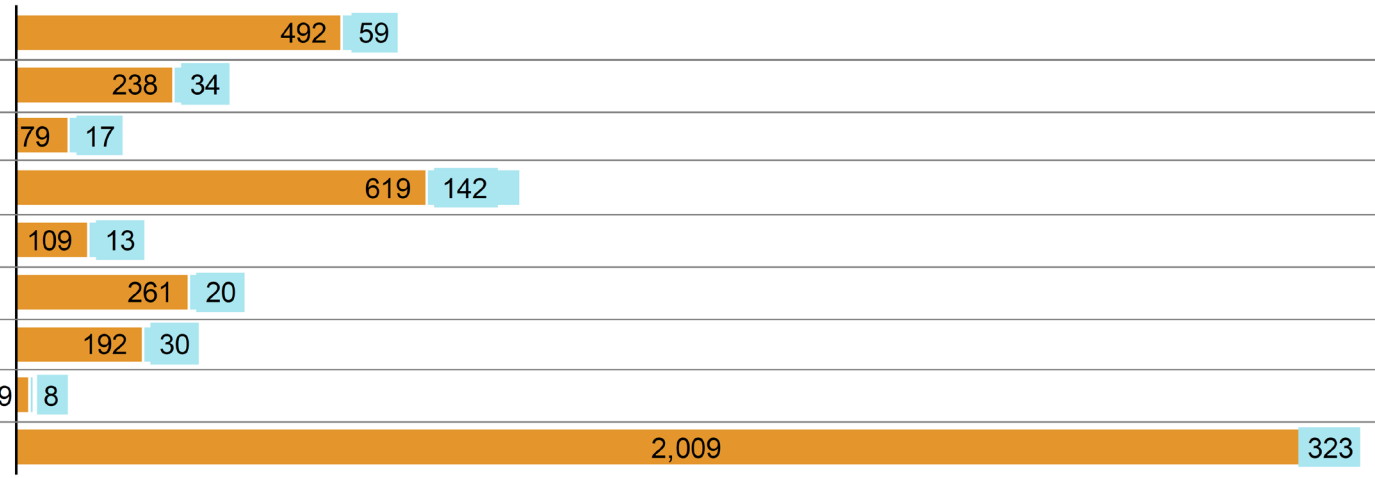
LHDs reported new outbreaks in all settings except college/universities, indoor and outdoor community exposures.

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

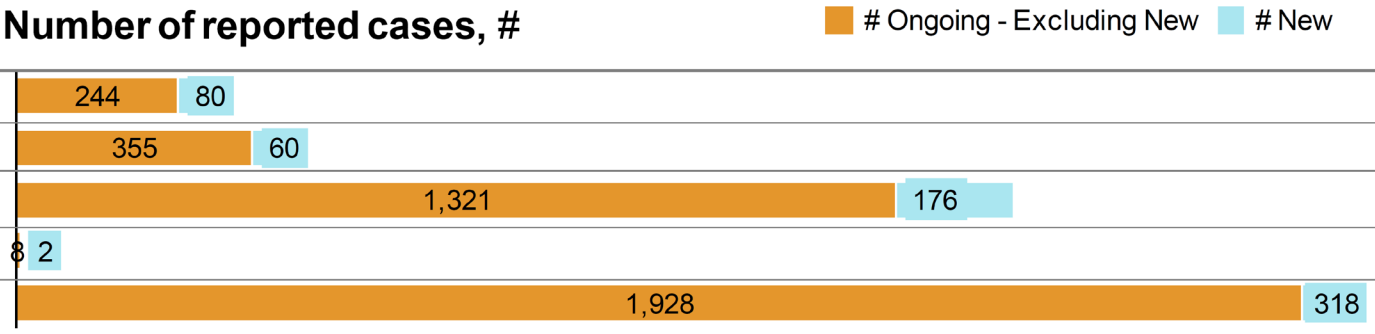
NOTE: Many factors, including the lack of ability to conduct effective contact tracing in certain settings, may result in significant underreporting of outbreaks. This chart does not provide a complete picture of outbreaks in Michigan and the absence of identified outbreaks in a particular setting in 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 15

Number of reported outbreaks is steady since last week (312) with increases in Middle/Jr High (68 to 70), and Pre-K – Elementary (74 to 86). High Schools decreased (165 to 151) and Administrative remained the same at 5.



Region	Number of reported cases, #		Number of outbreaks	Range of cases per outbreak
Region 1	492	59	79	2-36
Region 2n	238	34	87	2-16
Region 2s	79	17	19	2-12
Region 3	619	142	49	2-56
Region 5	109	13	16	2-41
Region 6	261	20	29	2-45
Region 7	192	30	29	2-26
Region 8	19	8	4	2-17
Total	2,009	323	**312**	**2-56**



Grade level	Number of reported cases, #		Number of outbreaks	Range of cases per outbreak
Pre-school - elem.	244	80	86	2-48
Jr. high/middle school	355	60	70	2-56
High school	1,321	176	151	2-54
Administrative	8	2	5	2-2
Total	1,928	318	**312**	**2-56**

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	• **No new** outbreaks • 6 ongoing outbreaks (21 cases in DHD10, 11 cases in MMDHD)
Jr. high/middle school	• **No new** outbreak • 7 ongoing outbreaks (3 cases in DHD10 and 23 in MMDHD)
High school	• **1 new** outbreaks (9 cases in CMDHD) • 14 ongoing outbreak (26 in CMDHD, 29 cases in DHD10, 30 in MMDHD)
Administration	• **No new** outbreaks • 1 ongoing outbreaks (2 cases in MMDHD)
Totals:	• **1 new outbreak (down from 9 last week), 9 cases** • **28 ongoing outbreaks (up from 19 last week), 145 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)

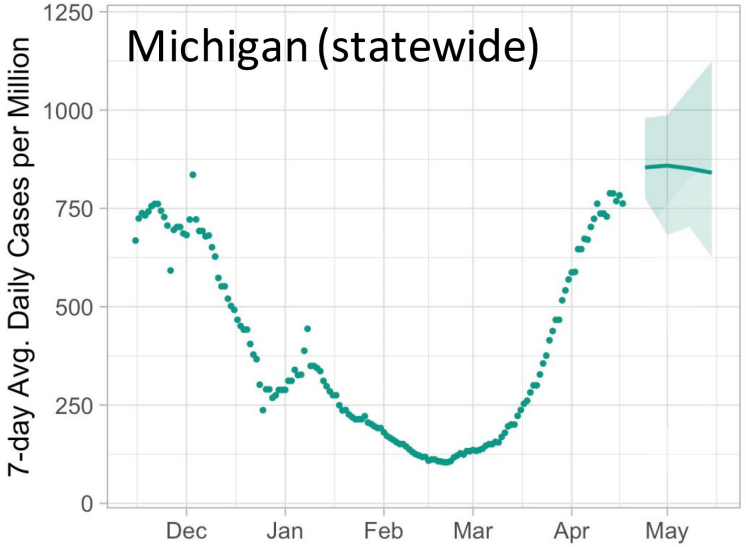
Estimated Turnaround Times for COVID-19 Diagnostic Testing Results Received at MDHHS During Last 14 Calendar Days (through 04/14/2021)

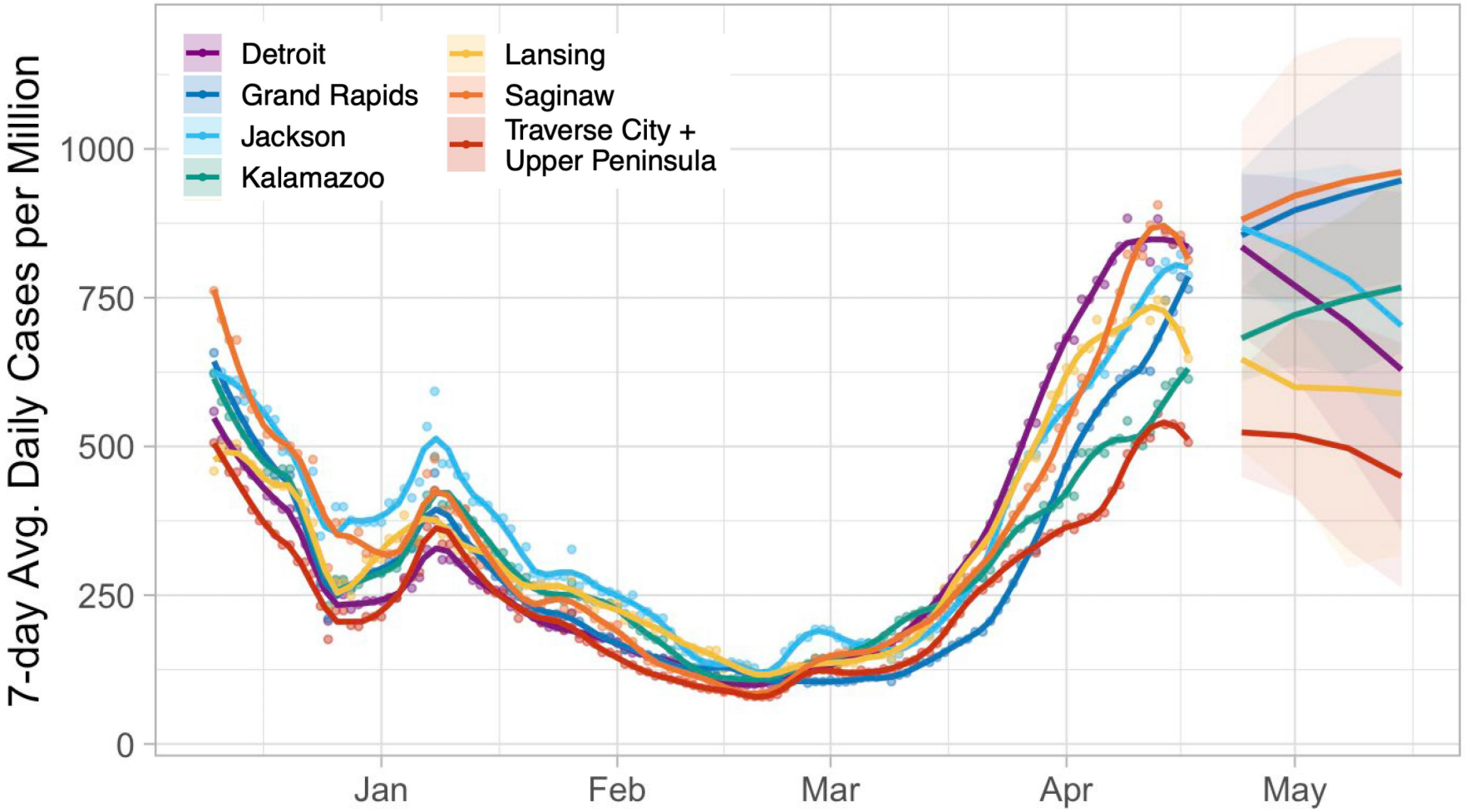
Lab Type	Test Count	Transport Time (Days)	Total Turn Around Time (Days)
Commercial	386,133	0.57	2.08
Hospital	230,404	0.22	0.92
Public Health	4,895	0.21	2.24
SNF	5,984	0.19	3.74
State Total	627,416	0.40	1.61

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

Ridge regression projections vary by region—some projected to plateau, others project slowed growth

- Confidence ranges for all regions include both plateaus and slowed growth



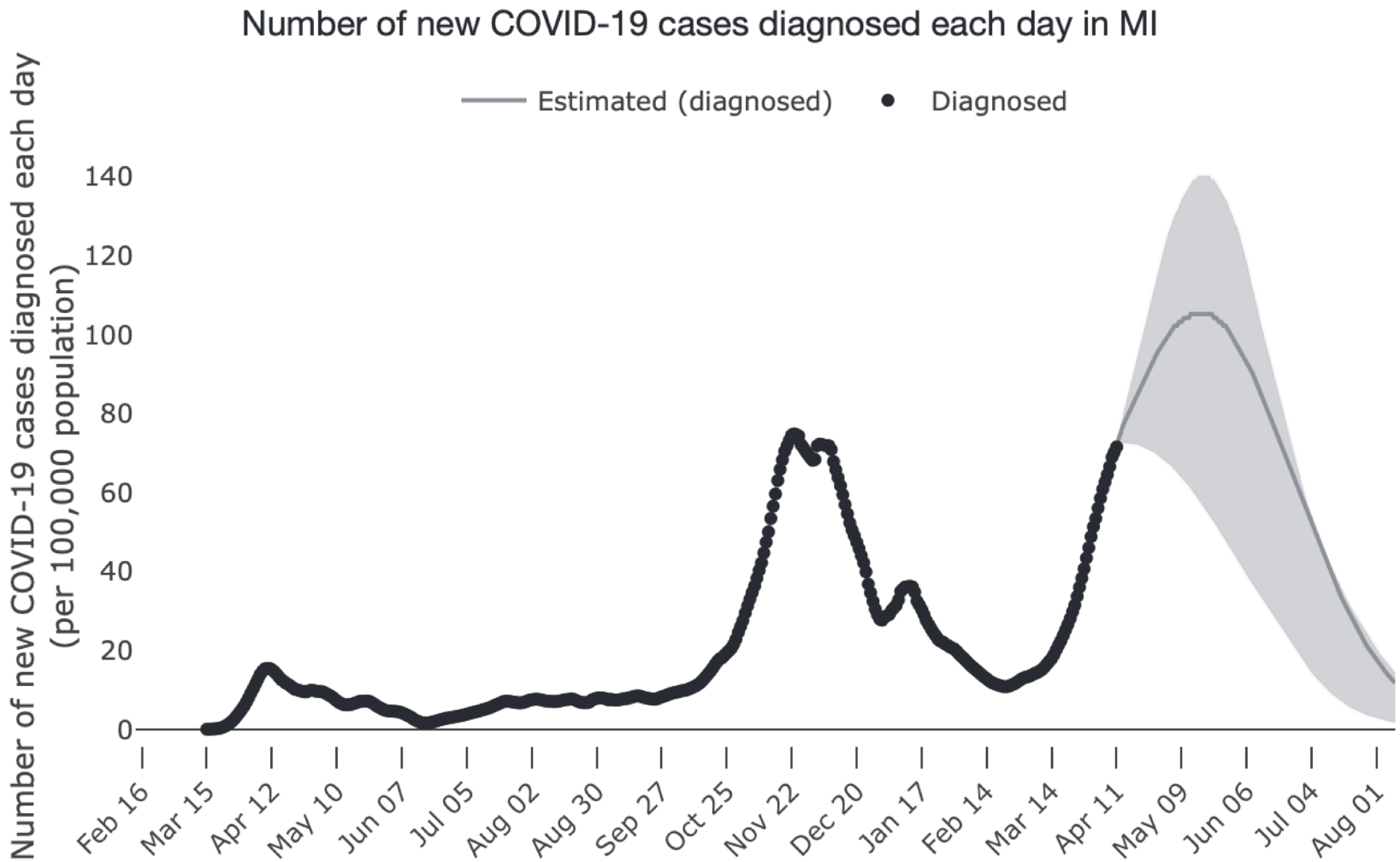


Line is the ridge regression model projection, and the shaded region represents the 95% confidence region (2.5% and 97.5% quantiles). Cases are plotted by report date.

Sources: Data from MDHHS/JHU, [UM Ridge Regression Model]

COVID-19-Sim Model projects slowing growth through April/May followed by decline

- Assumes continued current interventions
- Confidence ranges range from a plateau and decline in the next couple of weeks to continued growth through May/June



Source: http://covid19sim.org

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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