COVID-19 DATA UPDATE

November 18, 2020

Note: All data is as of November 14, unless otherwise noted. Data are subject to change.

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Executive summary

CDC COVID Data Tracker indicates that Michigan has recorded the **6th highest number of cases (↔)** , **5th highest number of deaths (↑2)**, **20th highest case rate (↔)**, and **10th highest death rate (↑7)** in the last 7 days

According to Becker's Hospital Review, Michigan has the **10th highest hospitalization rate as a percent of total beds (↑3)**, and **6th highest number of COVID patients in the ICU (↔)**

Case rates (512.9), **percent positivity** (12.5%), and **coronavirus like illness** (CLI) are all increasing for seven or more weeks

Case rates are growing exponentially throughout the state of Michigan and all MERC regions are at or above 350 cases per million

More than 15% of available inpatient beds are filled with COVID patients and state trends for hospitalizations for COVID continue to increase exponentially for the previous 5 weeks

There were **298 deaths** (↑146) during the week of Nov 1-Nov 7 and the state death rate is **5.2 deaths per million people**

Daily diagnostic testing (PCR) averaged 53.5K per day over the last week and daily the state rate is **6,005.3 tests/million people**

Comparison across states: Summary

What we see today:

- 50 states seeing increasing 2-week case trends (up from 47 last week)
- 43 states (stable vs. 44) with significant outbreaks (high/increasing cases, increasing/high positivity increasing/high hospitalizations over 2 weeks (>100 per M))
- South Dakota, North Dakota, Nebraska, Illinois, Montana have highest per capita <u>hospitalized</u> patient numbers
- Most rapid 2-week <u>case</u> growth: VT, LA, NH, MN, ME, OK
- Midwest:
  - Wisconsin with continued rising hospitalizations (390/M), cases (1150/M)
  - Indiana now exceeding Wisconsin in hospitalizations (410/M), cases (~900/M) – exceeded spring peak
  - Illinois shows rapid growth in hospitalizations (440/M) and cases (>950/M)– exceeded spring peak
  - Ohio with growing hospitalizations (290/M) and cases (600/M), positivity – far above spring levels
  - Michigan with rapid rise in hospitalizations (315/M) and cases (>600/M) - 75% of spring peak
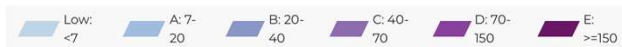
Confirmed and probable case indicators
Table Date: 2020-11-11, 7 days from date table was produced (2020-11-7)

Risk levels

Low | A | B | C | D | E
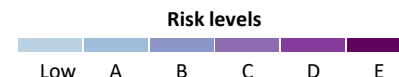
	MERC Region Number	Public Health Region	Overall Risk Level	Absolute cases (per million)	CDC Case Trend	Average percent positivity	Positivity trend	Tests per million	Weekly % CLI cases	Weekly % CLI cases trend	% inpatient beds occupied by COVID-19 cases	Absolute deaths (per million)	Death trend
Detroit	1	2N + 2S	E	418.8	elevated incidence growth	12.5	Increase - 6wk	5093.4	1.2	Increase - 4wk	13.4	2.8	Increase - 2wk
Grand Rapids	2	6	E	756.8	elevated incidence growth	14.2	Increase - 7wk	7520.3	2.0	Increase - 4wk	17.6	8.0	Increase - 4wk
Kalamazoo	3	5	E	629.6	elevated incidence plateau	15.1	Increase - 8wk	6136.1	1.8	Increase - 3wk	18.6	7.5	Increase - 4wk
Saginaw	4	3	E	609.1	elevated incidence plateau	13.1	Increase - 6wk	5351.8	1.0	Increase - 1wk	18.4	8.6	Increase - 2wk
Lansing	5	1	E	459.9	elevated incidence growth	11.1	Increase - 3wk	6396.7	0.5	Increase - 3wk	15.6	5.1	Increase - 1wk
Traverse City	6	7	E	349.4	elevated incidence plateau	9.5	Increase - 6wk	3934.4	2.0	Decrease - 1wk	10.5	9.7	Increase - 1wk
Jackson	7	1	E	423.6	elevated incidence growth	10.0	Increase - 3wk	8549.3	0.4	Decrease - 1wk	14.0	3.8	<20 wkly deaths
Upper Peninsula	8	8	E	790.9	elevated incidence plateau	9.1	Increase - 2wk	10055.0	1.7	Increase - 2wk	15.6	13.6	Increase - 1wk
Michigan			E	512.9	elevated incidence growth	12.5	Increase - 7wk	6005.3	1.3	Increase - 9wk	14.7	5.2	Increase - 8wk

Cases

| Low: <7 | A: 7-20 | B: 20-40 | C: 40-70 | D: 70-150 | E: >=150 |

Positivity

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

1. Epidemic curve classification based on two-week incidence slope. Data omits most recent week to account for lag period.

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COVID-19 Spread

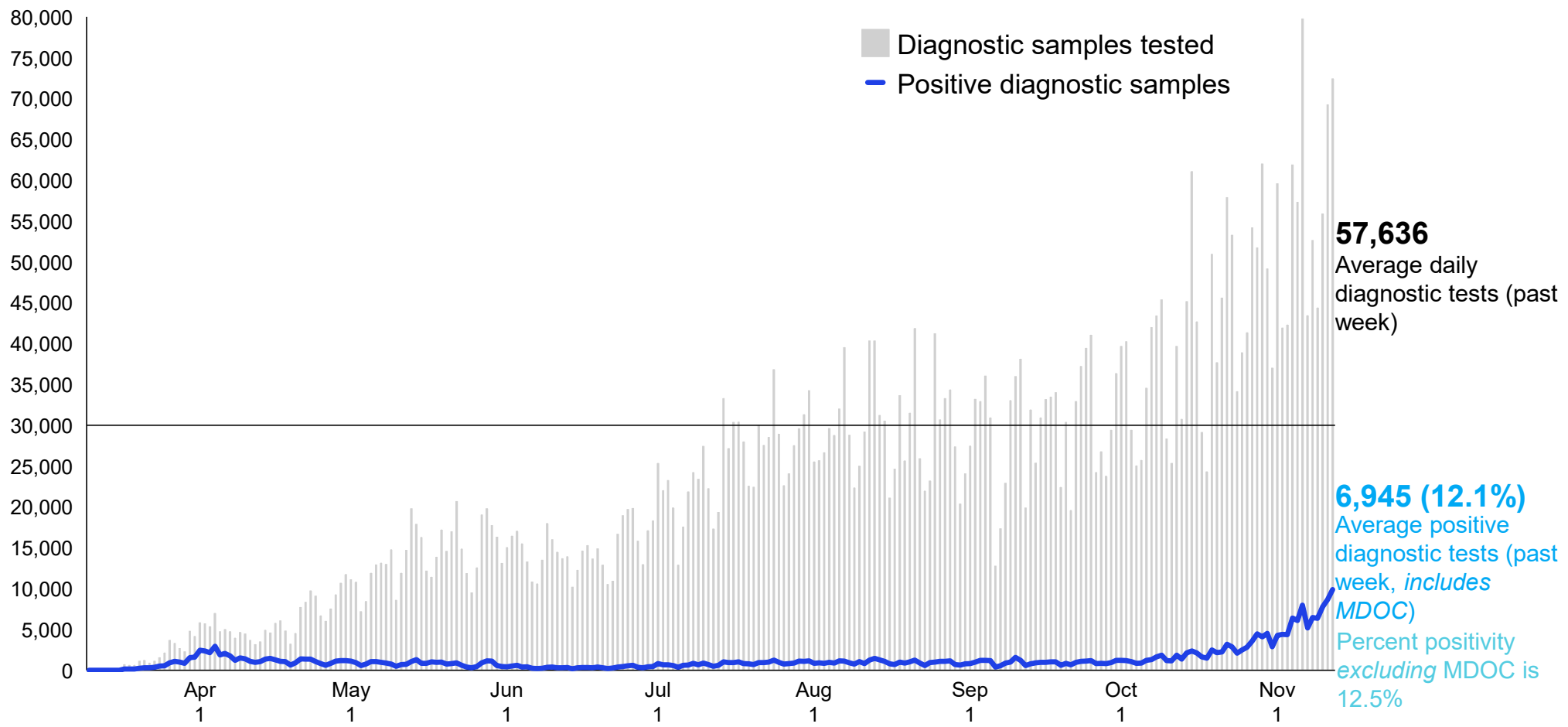Positivity continues to increase statewide and within all regions
- Testing has also increased in the state
- Testing has increased 89% since October 1 whereas positivity increased 290%

Cases and deaths continue to increase at an exponential pace
- Since October 1, the state case rate has increased 425% to the highest rates to date
- Cases and deaths are rising in all age groups, races, and ethnicities

Number of outbreaks continue to rise, particularly in long-term care facilities, schools and sports, in-person workplace, and restaurants/bars

Daily <u>diagnostic</u> tests and positive diagnostic tests, by message date

57,636
Average daily diagnostic tests (past week)

6,945 (12.1%)
Average positive diagnostic tests (past week, *includes MDOC*)
Percent positivity *excluding* MDOC is 12.5%

Legend:
- Diagnostic samples tested
- Positive diagnostic samples

Source: MDSS/Michigan Medical Advantage Group, MDHHS, testing labs

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Daily tests

State	Avg. daily tests
1. California	136.5K
2. New York	124.8K
3. Illinois	77.4K
4. Texas	74.8K
5. Michigan	57.6K
6. Ohio	44.9K
7. New Jersey	38.1K
8. North Carolina	33.3K
9. Alaska	32.9K
10. Tennessee	27.7K
11. Connecticut	25.6K
12. Florida	25.2K
13. South Carolina	18.2K
14. Washington	17.8K
15. Virginia	17.8K
16. Arizona	17.7K
17. Pennsylvania	17.2K
18. Massachusetts	16.5K
19. Georgia	16.3K
20. Arkansas	16.2K
21. Wisconsin	15.1K
22. Minnesota	14.8K
23. Kentucky	14.4K
24. Colorado	13.6K
25. Indiana	13.1K
26. Louisiana	11.0K
27. Oklahoma	10.6K
28. Alabama	10.4K

Weekly % of pop. tested

State	Weekly % tested
1. Alaska	5.36%
2. Connecticut	5.03%
3. New York	4.49%
4. Illinois	4.27%
5. Michigan	4.04%
6. District of Columbia	3.76%
7. Arkansas	3.76%
8. West Virginia	3.24%
9. New Mexico	3.01%
10. New Jersey	3.00%
11. Tennessee	2.84%
12. Maine	2.73%
13. Ohio	2.69%
14. Montana	2.59%
15. South Carolina	2.47%
16. California	2.42%
17. Kentucky	2.26%
18. North Carolina	2.22%
19. Rhode Island	1.97%
20. Oklahoma	1.88%
21. Minnesota	1.84%
22. Wisconsin	1.82%
23. Texas	1.81%
24. Utah	1.80%
25. Arizona	1.70%
26. Massachusetts	1.68%
27. Louisiana	1.66%
28. Colorado	1.65%

Percent positive

State	% positive
1. New York	2.5%
2. Maine	2.6%
3. District of Columbia	2.6%
4. California	4.2%
5. Connecticut	4.3%
6. Louisiana	5.0%
7. Vermont	5.5%
8. South Carolina	5.8%
9. New Jersey	6.1%
10. West Virginia	6.3%
11. North Carolina	6.4%
12. Washington	6.8%
13. Virginia	7.5%
14. Alaska	7.6%
15. Georgia	8.2%
16. New Hampshire	9.3%
17. Texas	9.6%
18. Ohio	10.3%
19. Massachusetts	10.7%
20. Tennessee	11.1%
21. New Mexico	11.6%
22. Maryland	11.9%
23. Kentucky	12.0%
24. Michigan	12.1%
25. Arkansas	12.3%
26. Oregon	12.5%
27. Illinois	12.9%
28. Delaware	13.0%

Week ending 11/7/2020 (Michigan average uses most recent MAG data and includes all tests, including MDOC and "Region Unknown")
SOURCE: Numerical Data – MDSS, COVID Tracking Project, U.S. Census Bureau.
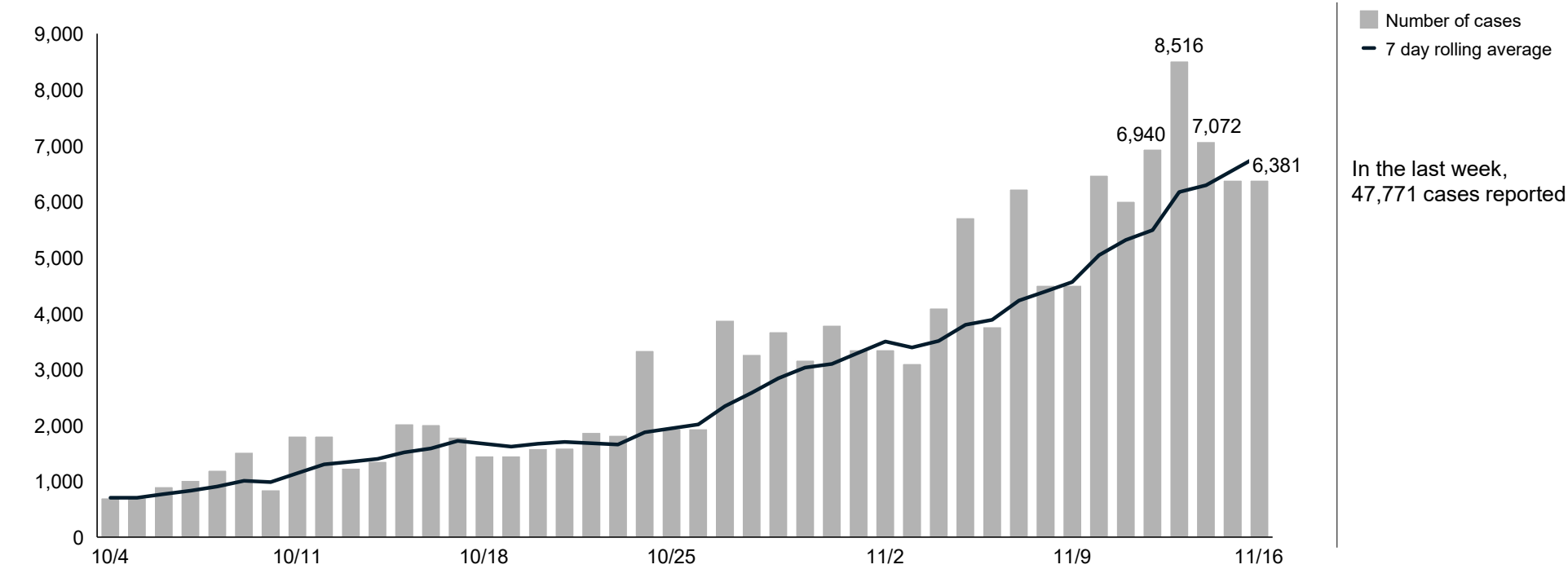
Positivity by county, 11/8-11/14

<3% average positivity per day

3-7% average positivity per day

7-10% average positivity per day

10-15% average positivity per day

15-20% average positivity per day

>=20% average positivity per day
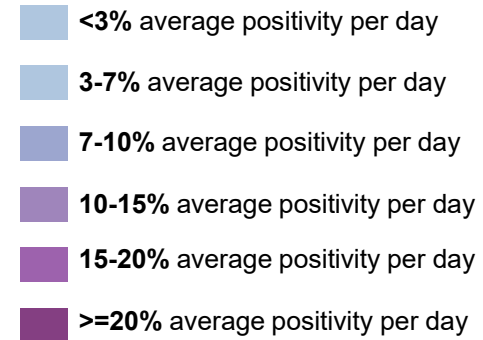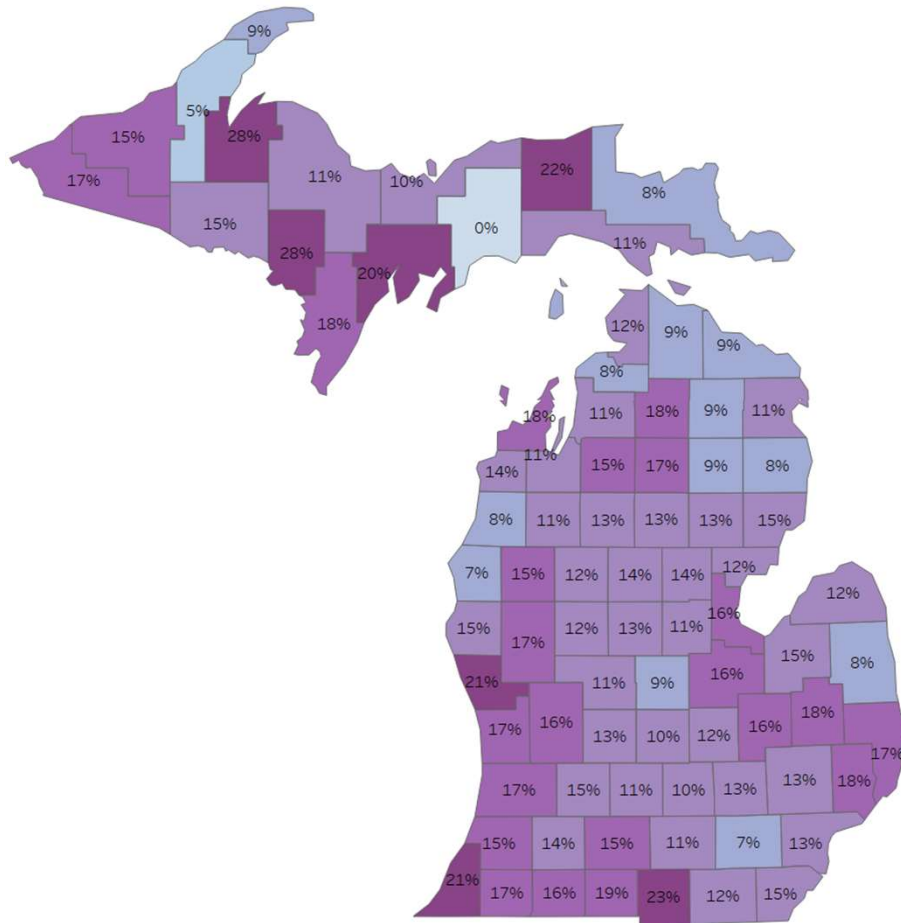
Updates since last week:

Most counties averaged 10%-20% positivity over the last week

Note: Cases information sourced from MDHHS and reflects date of onset of symptoms (refers to confirmed and probable cases)
Source: SEOC Testing Results

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

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

In the last week, 47,771 cases reported

Legend: Number of cases (bars), 7 day rolling average (line)

Values labeled: 8,516; 6,940; 7,072; 6,381

COVID-19 cases and deaths by onset date: State of Michigan

Cumulative confirmed and probable cases, by date of onset of symptoms
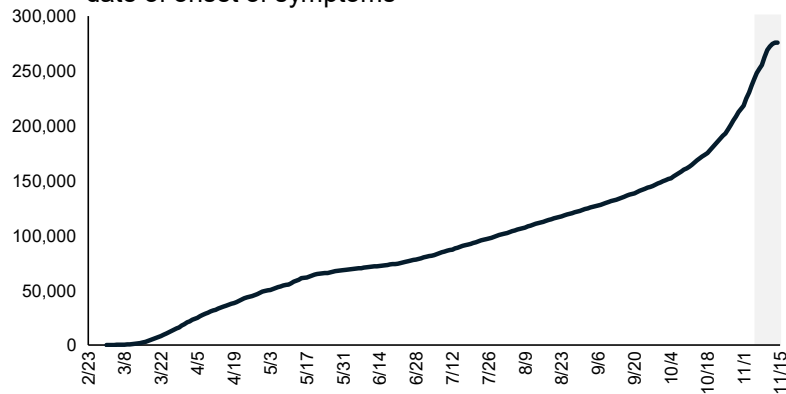
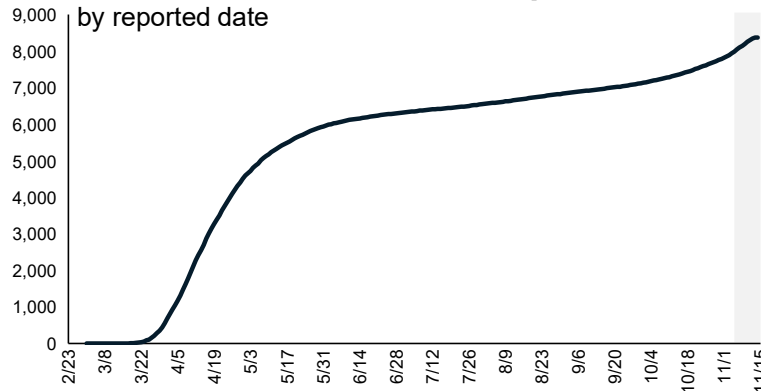### New confirmed and probable cases, by date of onset of symptoms
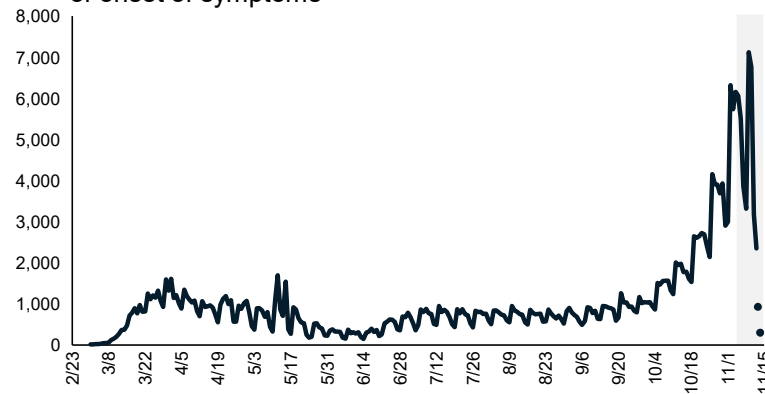
Updates since last week:

Exponential growth in cases continues

Current daily case rate is over 5x the rate from early October

Cumulative confirmed and probable deaths, by reported date

New confirmed and probable deaths, by reported date
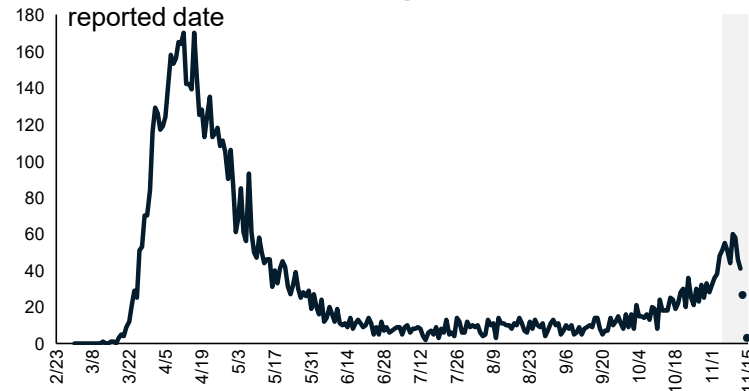
Updates since last week:

Current deaths are a lagging indicator of cases and are continuing to climb.

The current number of deaths is over 4x the amount of deaths in October

Note: Cases information sourced from MDHHS and reflects date of onset of symptoms (refers to lab-confirmed cases). Case spike on 5/12 is a result of batch of test results, not all of which have onset date of symptoms completed
Source: MDHHS – Michigan Disease Surveillance System

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Average daily new confirmed and probable cases per million residents

▢	**Insufficient sample size;** county has fewer than 3 new cases during the week
▢	**Fewer than 7** average daily new cases per million
▢	**7-20** average daily new cases per million
▢	**20-40** average daily new cases per million
▢	**40-70** average daily new cases per million
▢	**70-150** average daily new cases per million
▢	**150** average daily new cases per million
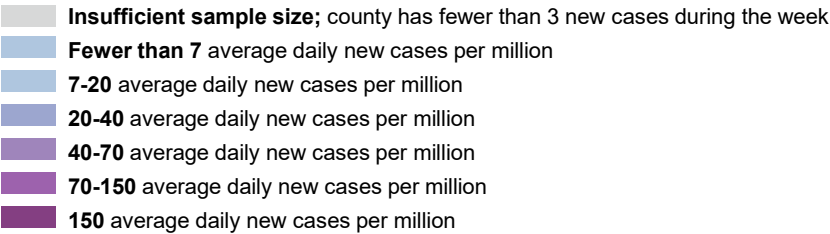
9/6-9/12
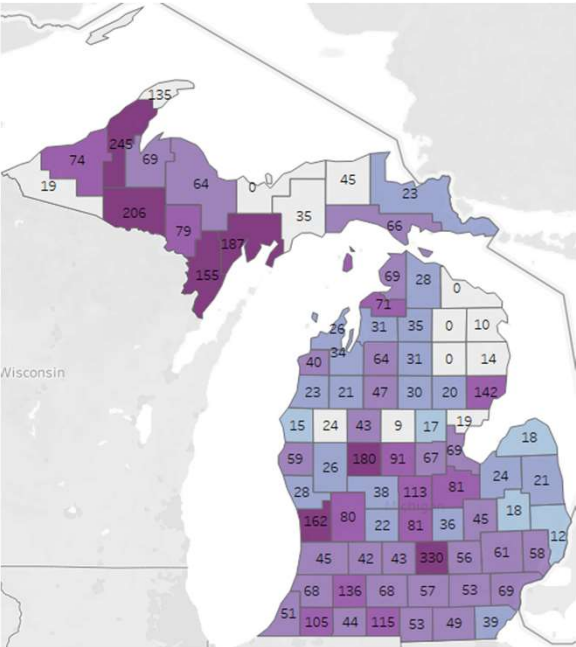
10/4-10/10
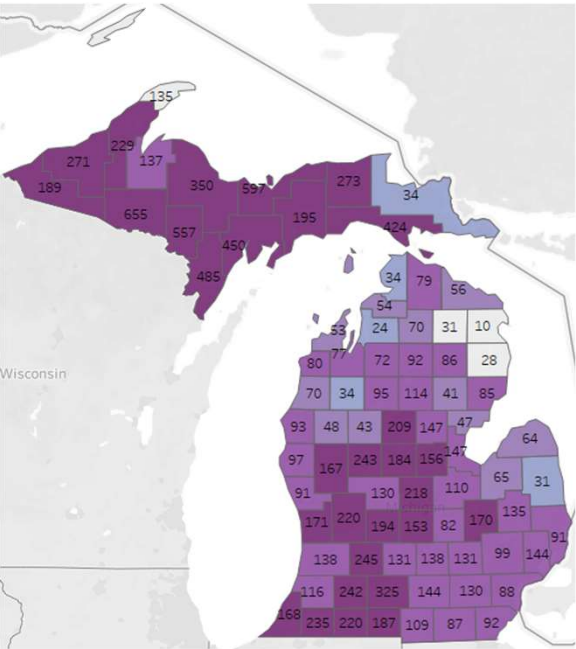
11/8-11/14

Note: Cases information sourced from MDHHS and reflects date of onset of symptoms (refers to confirmed and probable cases)
Note: Data as of 11/11/2020
Source: MDHHS – Michigan Disease Surveillance System

Average daily new cases per million residents, by age group

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

Legend: — 0-29 — 50-69 — 30-49 — 70+

NOTE: Recent cases likely to increase due to incubation period and reporting delays
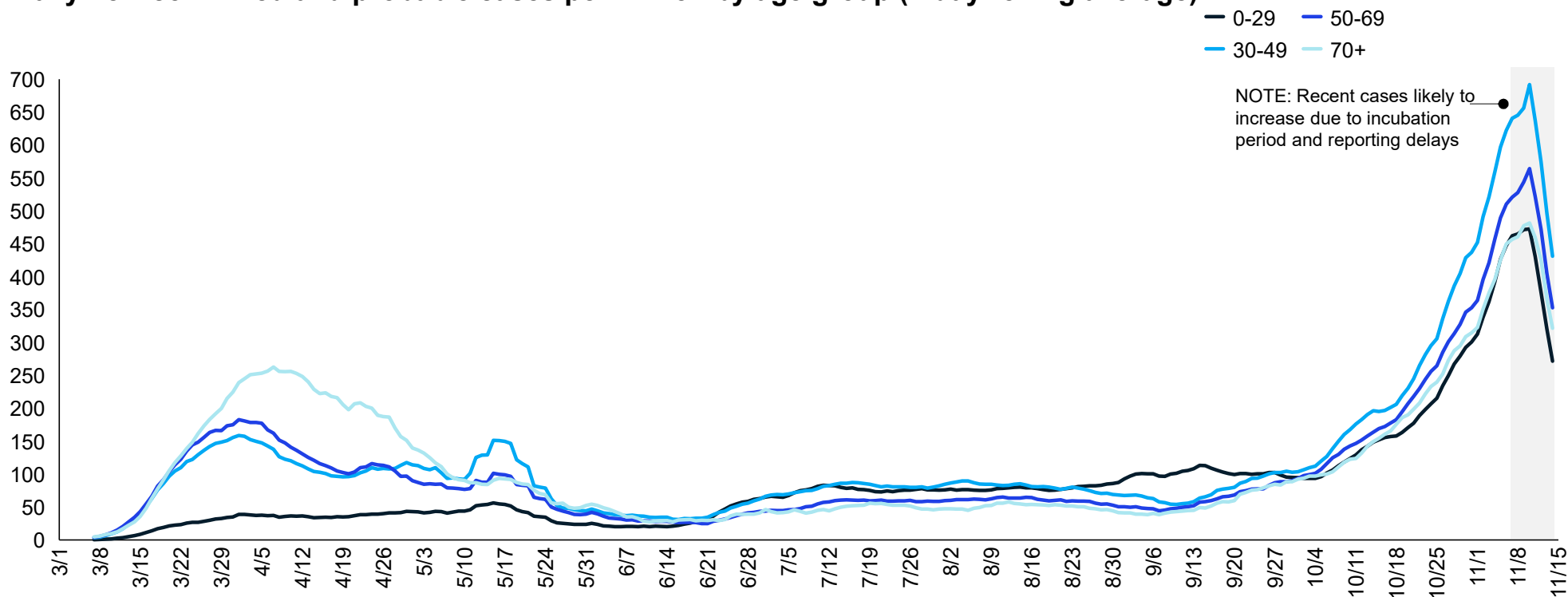
30-49 age group continues to have the highest cases per million, though cases per million have increased for all age groups

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

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Average daily new cases per million people by race and ethnicity

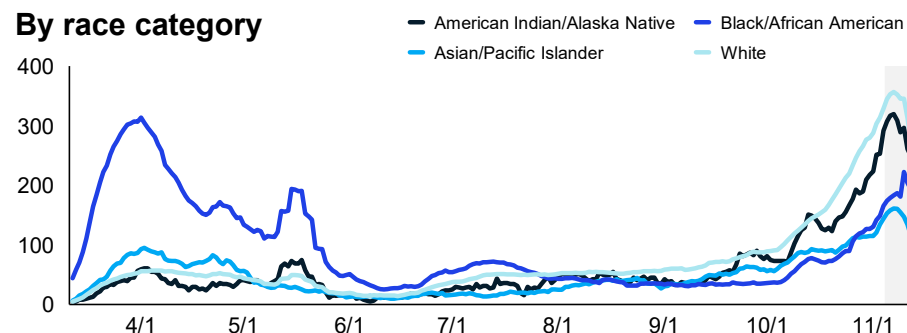## Daily new confirmed and probable cases per million (7 day rolling average)

By race category

— American Indian/Alaska Native — Black/African American
— Asian/Pacific Islander — White

By ethnicity

— Hispanic or Latino — Not Hispanic or Latino
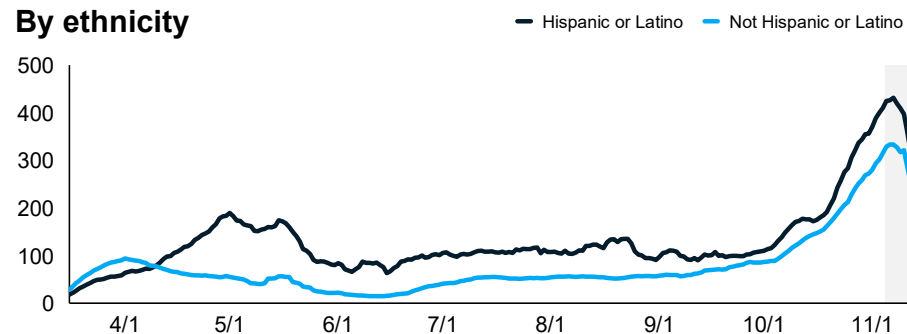
Past two weeks confirmed and probable cases vs. population, % of total
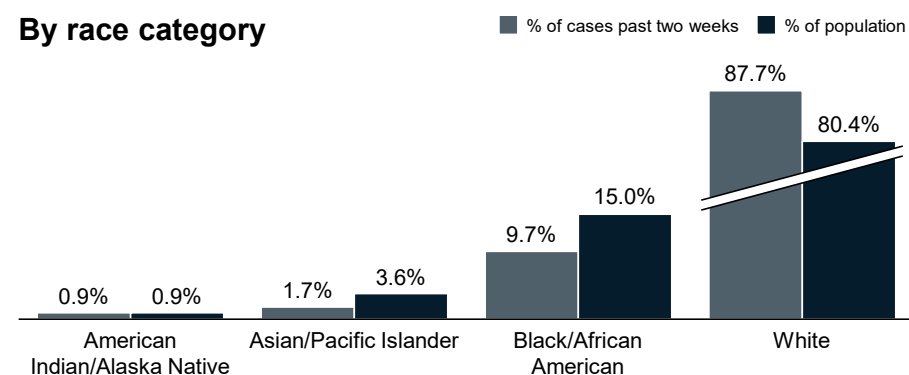
By race category

■ % of cases past two weeks ■ % of population

	American Indian/Alaska Native	Asian/Pacific Islander	Black/African American	White
% of cases past two weeks	0.9%	1.7%	9.7%	87.7%
% of population	0.9%	3.6%	15.0%	80.4%

By ethnicity

	Hispanic or Latino	Not Hispanic or Latino
% of cases past two weeks	6.6%	93.4%
% of population	5.3%	94.7%
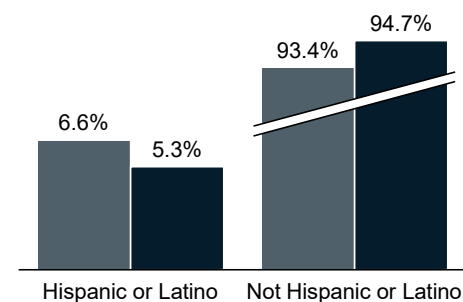
Note: Cases information sourced from MDHHS and reflects date of onset of symptoms; note that Multiple Races, Other, and Unknown race/ethnicity are not included in calculations

Source: MDHHS – Michigan Disease Surveillance System

Number of outbreak investigations by site type, week ending Nov 13

● Easier to identify outbreak
● Harder to identify outbreak

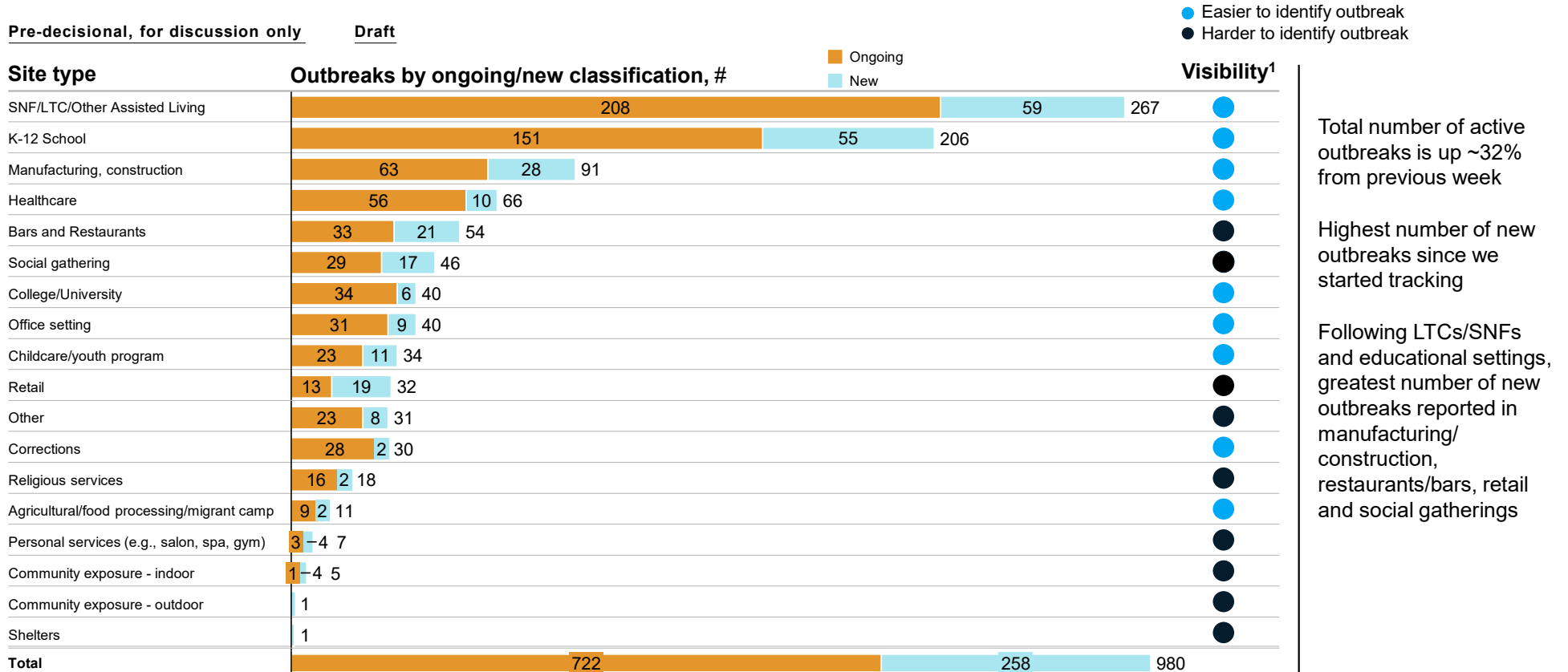| Site type	Outbreaks by ongoing/new classification, #			Visibility[1]
	■ Ongoing ■ New			
SNF/LTC/Other Assisted Living	208	59	267	🔵
K-12 School	151	55	206	🔵
Manufacturing, construction	63	28	91	🔵
Healthcare	56	10	66	🔵
Bars and Restaurants	33	21	54	⚫
Social gathering	29	17	46	⚫
College/University	34	6	40	🔵
Office setting	31	9	40	🔵
Childcare/youth program	23	11	34	🔵
Retail	13	19	32	⚫
Other	23	8	31	⚫
Corrections	28	2	30	🔵
Religious services	16	2	18	⚫
Agricultural/food processing/migrant camp	9	2	11	🔵
Personal services (e.g., salon, spa, gym)	3	4	7	⚫
Community exposure - indoor	1	4	5	⚫
Community exposure - outdoor	1			⚫
Shelters	1			⚫
Total	**722**	**258**	**980**	

Total number of active outbreaks is up ~32% from previous week

Highest number of new outbreaks since we started tracking

Following LTCs/SNFs and educational settings, greatest number of new outbreaks reported in manufacturing/ construction, restaurants/bars, retail and social gatherings

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 November 13

Region	Number of reported cases, #	Number of outbreaks	Range of cases per outbreak
	# Ongoing - Excluding New ■ **# New** ■		
Region 1	60 — 14 **74**	24	1-13
Region 2n	45 1 **46**	30	2-5
Region 2s	83 — 19 **102**	19	2-22
Region 3	102 — 12 **114**	32	1-10
Region 5	68 — 6 **74**	18	2-9
Region 6	260 59 **319**	42	2-40
Region 7	32 10 **42**	11	2-14
Region 8	87 23 **110**	24	2-20
Total	737 144 **881**	**200**	**1-40**

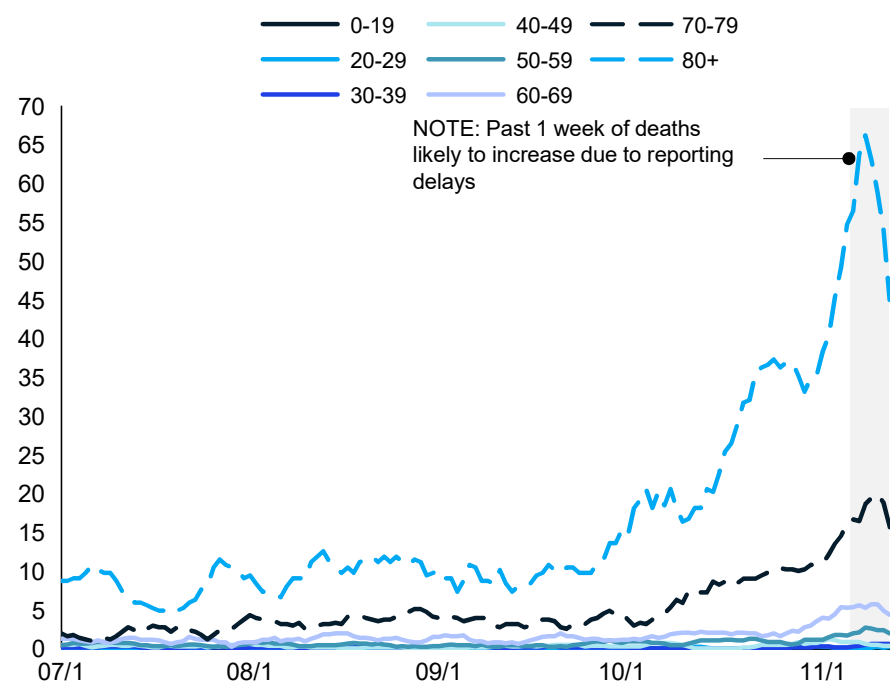| Grade level	Number of reported cases, #	Number of outbreaks	Range of cases per outbreak
Pre-school - elem	169 25 **194**	70	1-10
Jr. high/middle	104 — 18 **122**	33	2-14
High	464 101 **565**	97	2-40
Total	737 144 **881**	**200**	**1-40**

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.
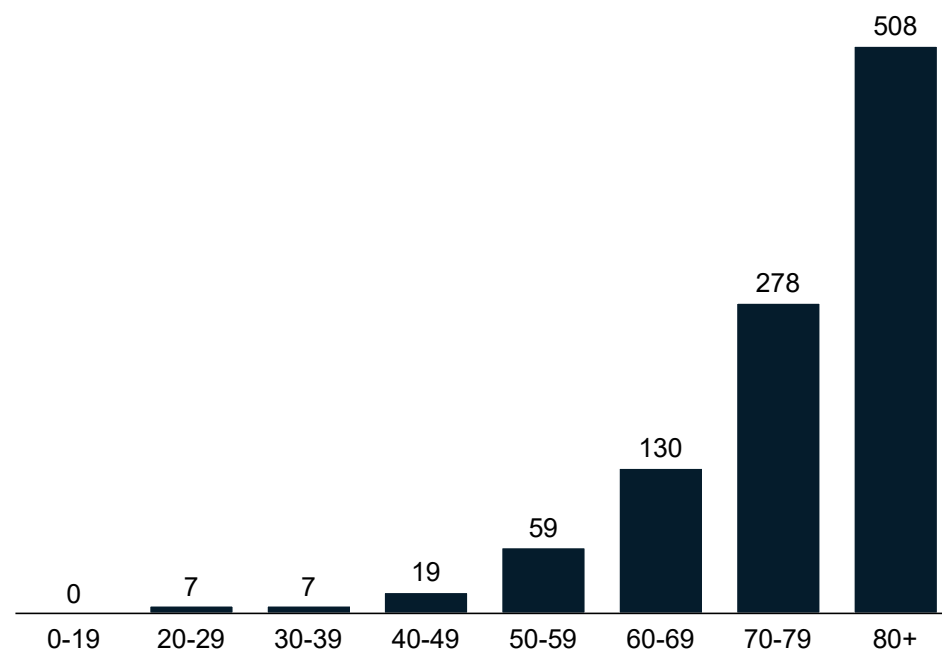
Source: LHD Weekly Sitreps

Average and total new deaths, by age group

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

Total new confirmed and probable deaths by age group (past 30 days, ending 11/12)

Legend:
- 0-19
- 20-29
- 30-39
- 40-49
- 50-59
- 60-69
- 70-79
- 80+

NOTE: Past 1 week of deaths likely to increase due to reporting delays

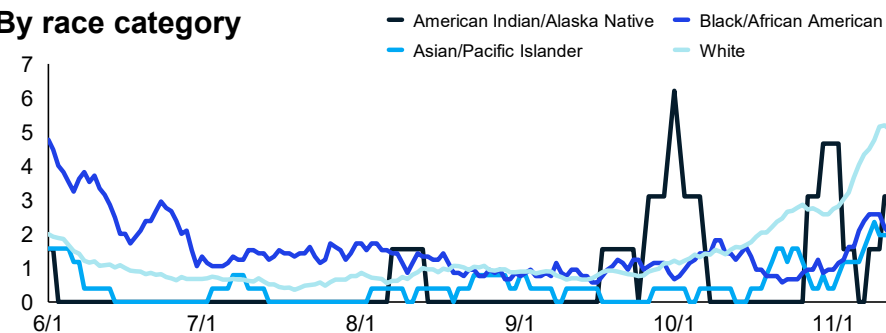| Age group	Deaths
0-19	0
20-29	7
30-39	7
40-49	19
50-59	59
60-69	130
70-79	278
80+	508

Note: Cases information sourced from MDHHS and reflects date of report
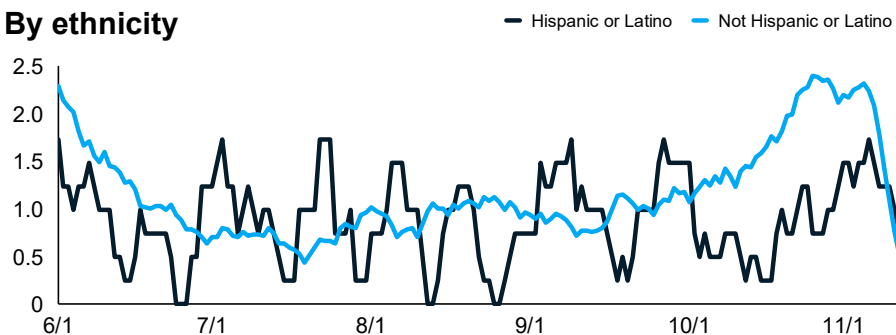
Source: MDHHS – Michigan Disease Surveillance System

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Average daily new deaths per million people by race and ethnicity

Daily new confirmed and probable deaths per million (7 day rolling average)
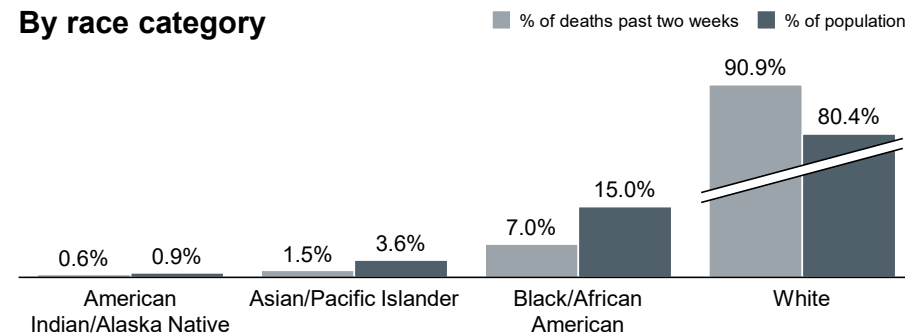
By race category

American Indian/Alaska Native — Black/African American
Asian/Pacific Islander — White

By ethnicity

Hispanic or Latino — Not Hispanic or Latino

Past two weeks confirmed and probable deaths vs. population, % of total

By race category

% of deaths past two weeks   % of population

	American Indian/Alaska Native	Asian/Pacific Islander	Black/African American	White
% of deaths past two weeks	0.6%	1.5%	7.0%	90.9%
% of population	0.9%	3.6%	15.0%	80.4%

By ethnicity

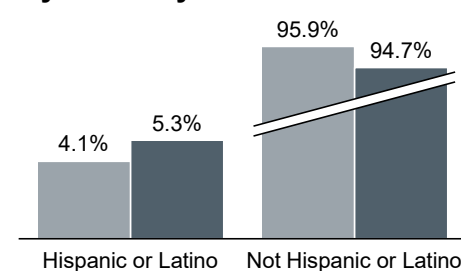|	Hispanic or Latino	Not Hispanic or Latino
% of deaths past two weeks	4.1%	95.9%
% of population	5.3%	94.7%

Note: Multiple Races, Other, and Unknown race/ethnicity are not included in calculations
Source: MDHHS – Michigan Disease Surveillance System

COVID-19 and Healthcare Capacity

Since September, COVID-19-like illness has gone from < 2% to > 7% of the emergency department visits

Hospitalizations and ICU utilization are increasing
- Double rate of 2.5-3 weeks

Five of eight regions are over 30% of Adult ICU beds occupied with COVID+ patients

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

Percentage of ED visits by syndrome in Michigan: COVID-19-Like Illness, Shortness of Breath, Pneumonia, and Influenza-Like Illness

Source: https://covid.cdc.gov/covid-data-tracker/#ed-visits
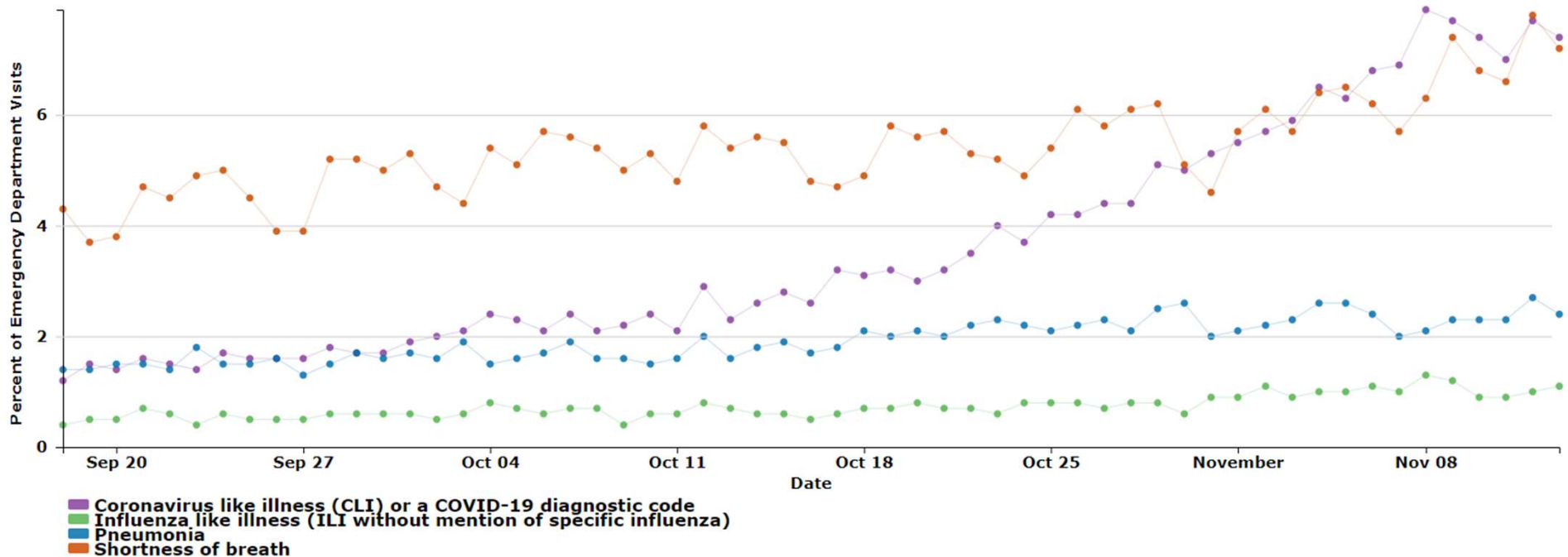
Statewide Hospitalization Trends: Total COVID+ Census

Hospitalization Trends 7/1/2020 – 11/15/2020
Confirmed Positive
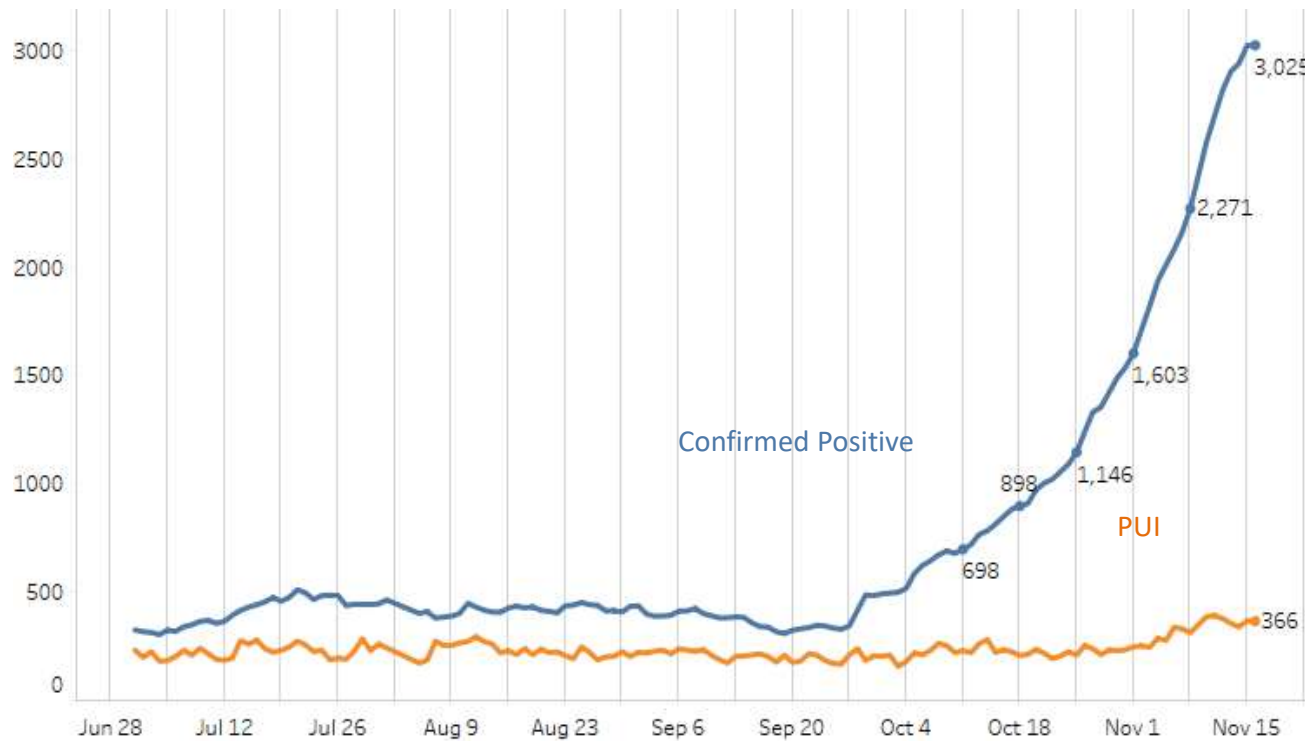
This week, hospital COVID+ census is 33% higher than last week.

We are now at ~75% of our spring peak levels, though now these hospitalizations are spread across the regions.

Doubling time of hospitalizations now at 2.5 to 3 weeks (vs. 2 weeks for week prior)

Hospitalized COVID Positive Long Term Trend (beginning March)

Statewide Hospitalization Trends: ICU COVID+ Census

Hospitalization Trends 8/1/2020 – 11/15/2020
Confirmed Positive in ICUs
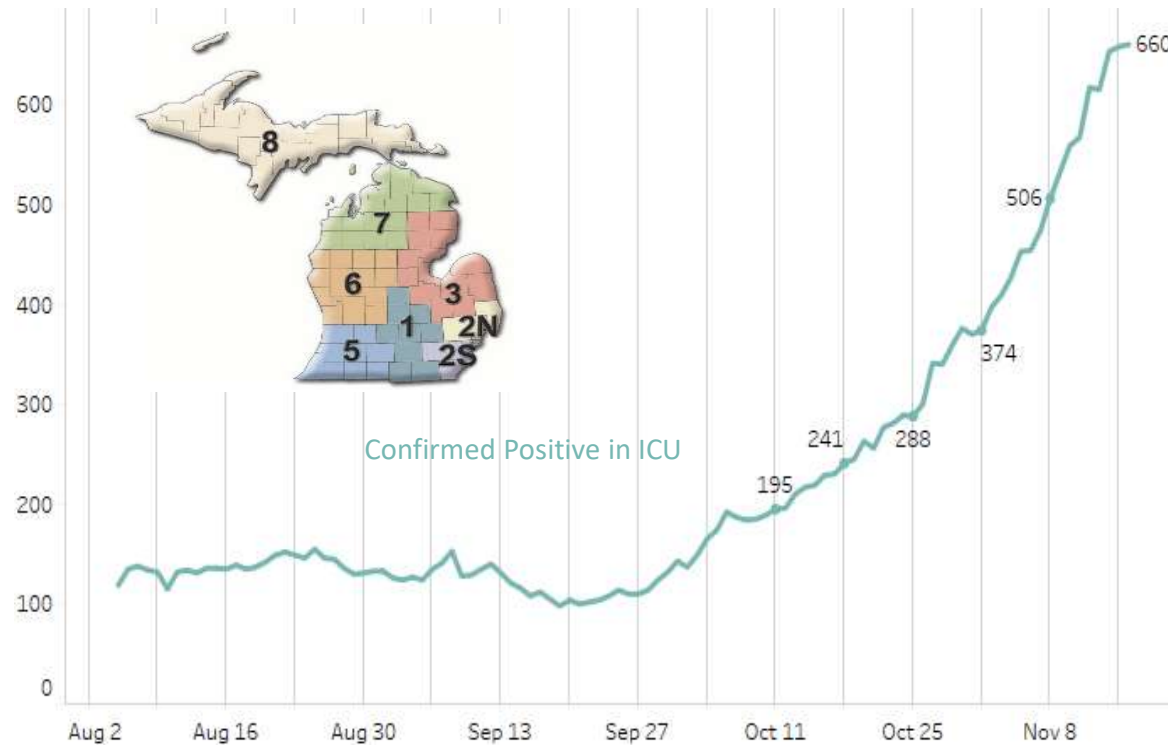
COVID+ census in ICUs increased by 30% this week
Doubling time is 2.5 to 3 weeks

Statewide 27% of Adult ICU beds are occupied with COVID+ patients

5/8 Regions are over 30% of Adult ICU beds occupied with COVID+ patients
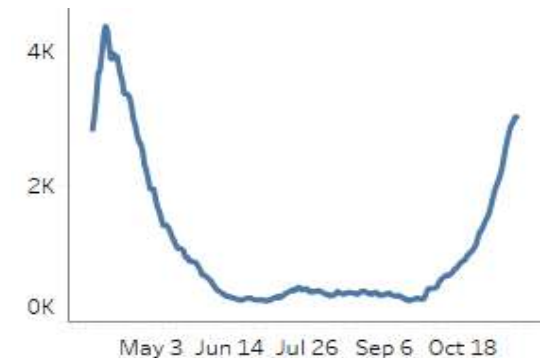
Region	Adult COVID+ in ICU	Adult ICU Occupancy	% of Adult ICU beds COVID+
Region 1	61	89%	31%
Region 2N	109	83%	20%
Region 2S	125	83%	17%
Region 3	110	89%	31%
Region 5	41	83%	26%
Region 6	118	80%	42%
Region 7	68	75%	39%
Region 8	28	86%	48%

Statewide Hospitalization Trends: Regional COVID+ Census

Hospitalization Trends 8/1/2020 – 11/15/2020
Confirmed Positive by Region
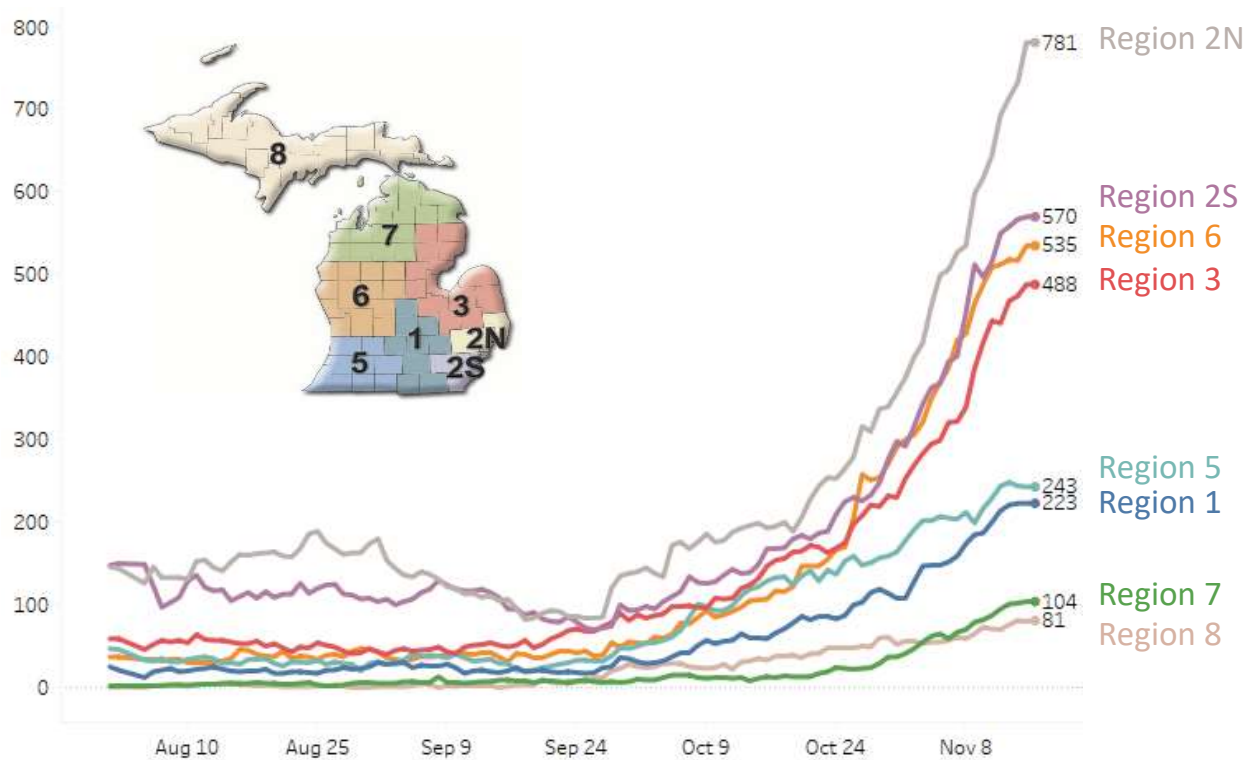
Regions 2N, 3, and 7 show the most rapid growth rate for the week of 11/8-11/15

Region 2N, 3, 6 are the most pressured on a per population basis

Region	Growth from Last Week	COVID+ Hospitalizations / MM
Region 1	28%	206/MM
Region 2N	46%	352/MM
Region 2S	26%	255/MM
Region 3	44%	431/MM
Region 5	15%	255/MM
Region 6	25%	365/MM
Region 7	49%	208/MM
Region 8	35%	260/MM

How is public health capacity?

Case investigation and contact tracing is becoming overwhelmed with the influx of new cases and contacts and is at or near all-time lows

- MDHHS recently released phone proximity notification app to aid in contact tracing

New Case Investigation Metrics

Case investigation metrics remain low since last week:
- 44% of investigated cases have a known source (47% last week)
- 28% of investigated cases noting that they were quarantining before symptoms (28% last week)

Over the last week, number of complete case investigations increased 29%, number of cases has increased 59%

Legend: ■ Yes (blue) ■ No (dark) ■ Not answered (gray)

Case report form information, 11/7-11/13

- Case investigation complete?: 39,199 total; 30,093 (No); 9,106 (23%) (Yes)
- Known source of infection?: 9,106 total; 21% (Not answered); 35% (No); 44% (Yes)
- Already quarantining at time of symptom onset?: 9,106 total; 14% (Not answered); 58% (No); 28% (Yes)
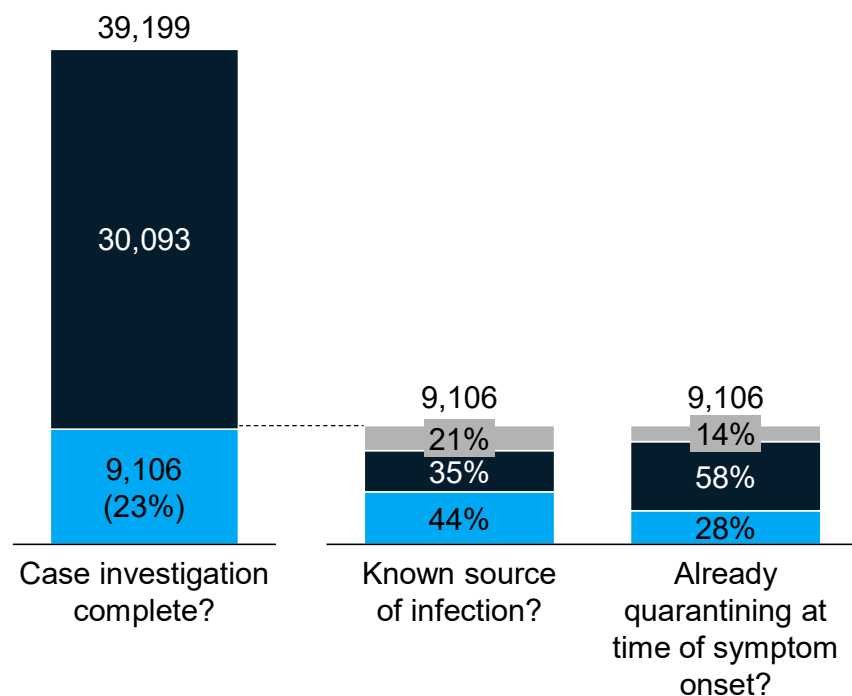
Case report form information, 10/31-11/6

- Case investigation complete?: 24,613 total; 17,549 (No); 7,064 (29%) (Yes)
- Known source of infection?: 7,064 total; 16% (Not answered); 38% (No); 47% (Yes)
- Already quarantining at time of symptom onset?: 7,064 total; 11% (Not answered); 61% (No); 28% (Yes)

Source: MDHHS – Michigan Disease Surveillance System
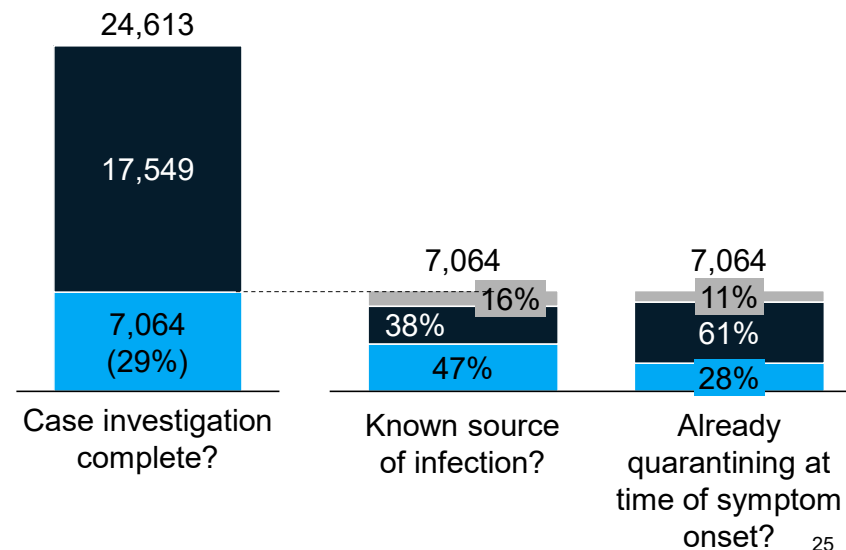
Testing, case investigation, and contact tracing: Current state

	Testing			Case investigation and contact acquisition			Initial contact tracing		*Ongoing contact monitoring* still occurring through texting and calls
Goal	**2K tests** per million per day	**3%** test **positivity, excluding MDOC**	**Fast test to result turnaround** time[6]	**90% calls attempted** in one day	**75% calls completed** in one day	**50% with contacts** in one day	**90% calls attempted** in one day	**75% calls completed** in one day	
Performance	6.0K	12.5%	2.7 days	18.3%[1]	14.1%[2]	14.1%[3]	91.4%[4]	45.6%[5]	
Trend since last week	*Favorable*	*Unfavorable*	*Stable*	*Unfavorable*	*Unfavorable*	*Unfavorable*	*Favorable*	*Favorable*	

63% of contacts successfully complete intake within five days

1. % of cases documented as "attempted" within one day
2. % of cases documented as "successful" within one day
3. % of cases with at least one contact documented within one day
4. Weighted average of % of cases documented as "attempted" within one day in OMS, LHD survey, and Traceforce
5. Average of % of cases documented as "successful" within one day (Traceforce-only due to data accuracy concerns in other systems)
6. Sourced from weighted average of all lab turnaround times

Source: MDSS and OMS summary statistics. Traceforce summary statistics. LHD Sitrep survey. Testing information from MAG summary files (percent positivity excludes MDOC)

Cases vs. Attempted Case Investigations
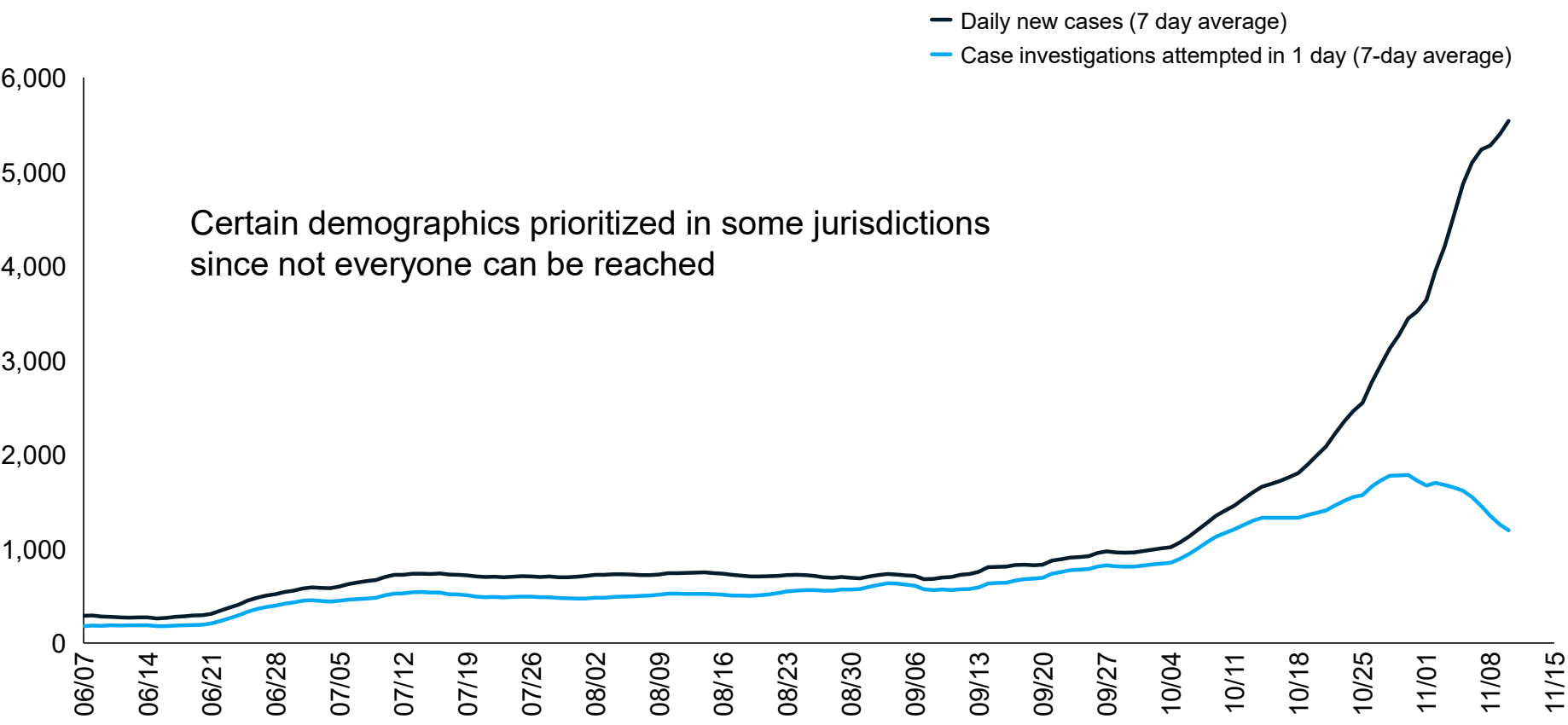
Certain demographics prioritized in some jurisdictions since not everyone can be reached

Legend:
- Daily new cases (7 day average)
- Case investigations attempted in 1 day (7-day average)

Note: Cases visualized by onset date; Absolute number of case investigations estimated from daily case investigation success rate
Source: MDHHS – Michigan Disease Surveillance System

Iphone or Android

More than 280,000 people already signed up

Spanish and Arabic translations coming soon
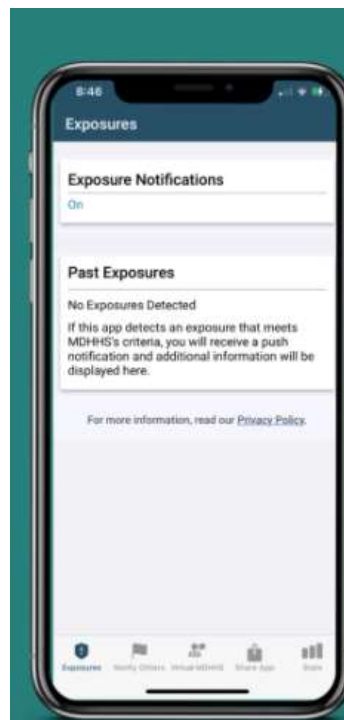
EXPOSURE NOTIFICATIONS

If you use the app you will:

- be alerted if you may have been in close contact with someone who has tested positive for coronavirus

- be able to track any symptoms you have and get advice on what to do to protect yourself and others

- be able to anonymously warn other app users that you were in close contact with, if you test positive for coronavirus

Exposure Notifications - what they look like and how it works

Exposures

Exposure Notifications
On

Past Exposures

No Exposures Detected

If this app detects an exposure that meets MDHHS's criteria, you will receive a push notification and additional information will be displayed here.

For more information, read our Privacy Policy.

Testing turnaround time – Collection to report

Labs reporting >1K results in past two weeks

Legend: ■ Commercial ■ Hospital ▢ Other ▩ Public health ■ In-state ▩ Out-of-state

Lab (Asterisk indicates out-of-state)	Average turnaround time, past two weeks (days)	Avg daily tests run, past two weeks (K)
*VIKOR SCIENTIFIC	6.5	1.0
*Aegis Sciences	5.5	0.4
*HONU-DASCENA LAB	5.4	0.7
*HELIX CA	4.5	0.9
*Helix	4.5	0.7
*QUEST WOOD DALE	4.4	2.5
*Genet Worx	4.2	0.3
*BRIDGE DIAGNOSTICS	4.0	0.2
Northwest Labs	3.8	0.7
VIBRA HEALTH LABORATORY	3.7	0.8
GREAT LAKES MEDICAL LABORATORY	3.7	1.0
*BIOREFERENCE LABORATORIES	3.3	1.0
RHB Laboratories, Inc.	3.3	0.6
ARTIC DX MEDICAL LABORATORIES	3.3	0.4
NXGEN	3.3	3.8
Frances Warde Medical Laboratory	3.0	1.4
LABCORP	2.9	2.1
MRM	2.9	0.2
Sparrow Main	2.8	1.7
Commercial Average	**2.8**	**27.6**
Trident Laboratories	2.7	0.4
SPECTRUM HEALTH ADVANCED TECHNOLOGY LAB	2.6	2.8
*BIOTECH CLINICAL LAB INC	2.5	1.1
Garcia Laboratory	2.5	0.5
MIORD	2.4	2.3
Saint Joseph Mercy Hospital	2.1	0.7
LAN	2.1	0.3
St John Hospital and Medical Center	2.0	0.3
MGHS	2.0	0.2
CHS	1.9	0.3
Lakeland Medical Center, St Joseph	1.8	0.3
SPECTRUM HEALTH REGIONAL LABORATORY	1.8	0.7
*Curative San Dimas	1.7	3.5
Oakwood Hospital -Dearborn Laboratory	1.7	0.4
MMI	1.6	0.3
Hospital Average	**1.5**	**12.6**
HELIXMDX	1.4	1.7
BEAUMONT LABORATORY, ROYAL OAK	1.4	0.3
Mercy Health Partners	1.4	0.4
BEAUMONT LABORATORY	1.4	0.4
Saint Marys Mercy Health Care	1.3	0.3
GENEMARKERS LABORATORY	1.1	1.8
MetroHealthLab	1.1	0.4
Saint Joseph Mercy Oakland	0.9	0.3
U of M	0.9	0.8
Bronson Methodist Hospital	0.8	0.7
Henry Ford Allegiance Hospital Laboratory	0.8	0.3
Henry Ford Hospital Dept. of Pathology	0.8	0.9
VHS University Laboratories	0.2	0.2

Percent of tests (past two weeks), by type of lab and location

Type of lab (total 100):
- Commercial: 65
- Hospital: 29
- Other: 1
- Public health: (small)

Location of lab (total 100):
- In-state: 71
- Out-of-state: 29
- 6

14-day average testing turnaround time is 2.7 days, stable since last week

Source: MDSS/Michigan Medical Advantage Group, MDHHS, testing labs (as of 11/6). NOTE: Smaller labs do not appear on this page

Indirect Impacts of COVID-19

The pandemic has affected many public health services not directly related to COVID-19

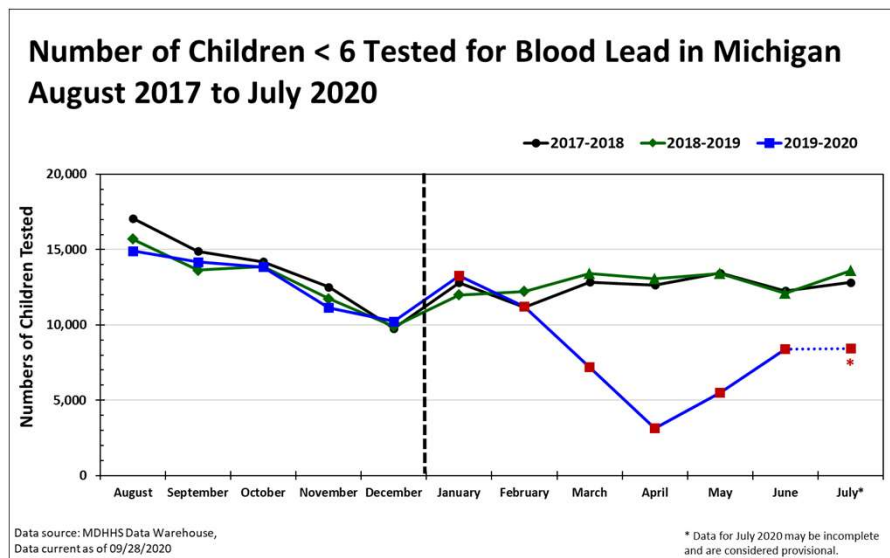- Childhood preventative services like lead testing and vaccinations have fallen but are rebounding

Access to emergency care services have also been impacted

- Emergency department visits are lower than years past
- EMS use for opioid overdose has increased
- Mental health impacts, directly and indirectly related to the pandemic, are visible in Michiganders
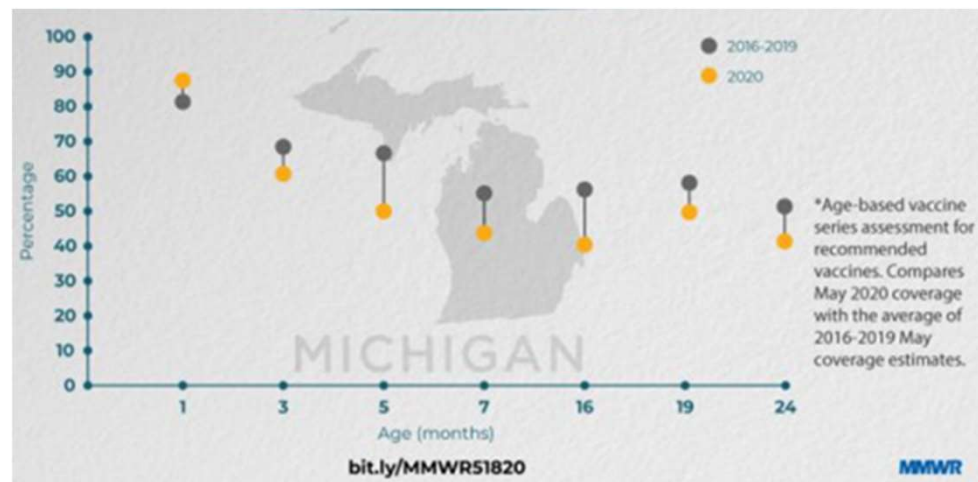
Preventative Services

1. Childhood lead testing fell 75% in April but have since risen to 60% of pre-pandemic levels

2. Up-to-date vaccinations declined < 50% among most children ≤ 2 years

3. Childhood vaccination series remained relatively stable since 2019 Q2 although disparities exist for Black/African Americans

2. Childhood Vaccination Coverage

bit.ly/MMWRS1820

1. Number of Children < 6 Tested for Blood Lead

Number of Children < 6 Tested for Blood Lead in Michigan August 2017 to July 2020

Data source: MDHHS Data Warehouse, Data current as of 09/28/2020

* Data for July 2020 may be incomplete and are considered provisional.
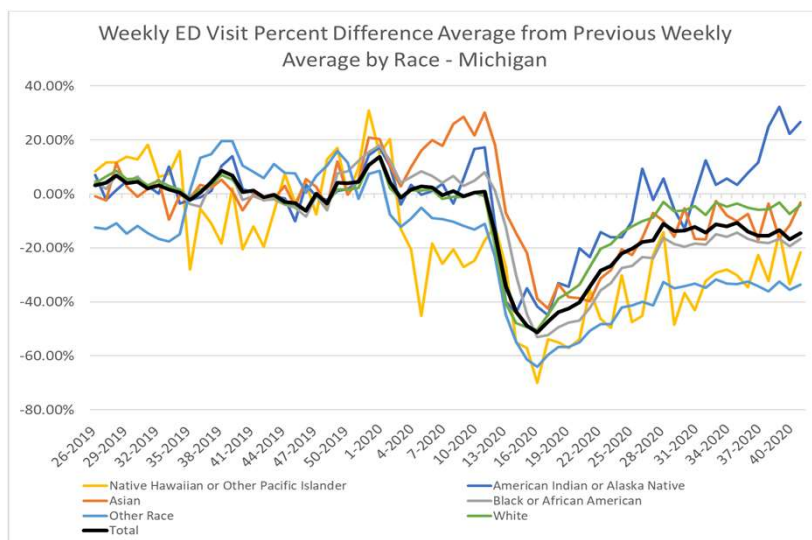
2. Quarterly trends for childhood vaccination coverage

19 through 35 months quarterly child vaccine series coverage by mother's race, March 30, 2019 through September 30, 2020 as of November 1, 2020

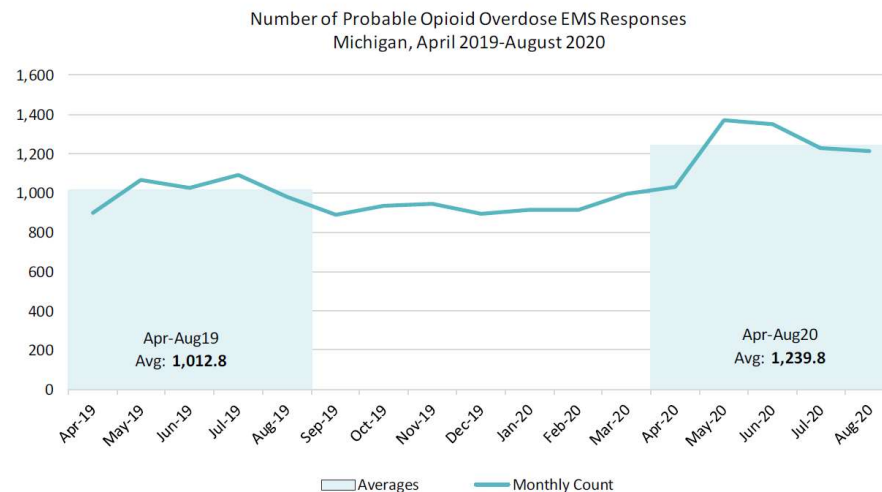Includes 4 DTaP, 3 Polio, 1 MMR, 3 Hib, 3 HepB, 1 Varicella, 4 PCV
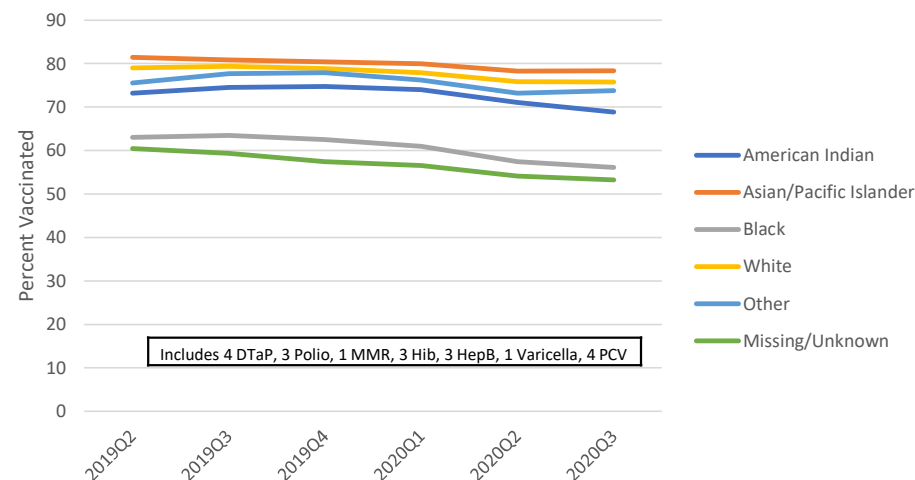
Access to Emergent Care

1. Total ED visits for all complaints are approximately 13% below normal levels for most recent week

2. Total EMS responses decreased but EMS opioid responses increased 22% since 2019

3. Proportion of ED visits for mental health, appears to increase 50% at the end of March to near 3%, but is trending back to pre-pandemic levels around 2%
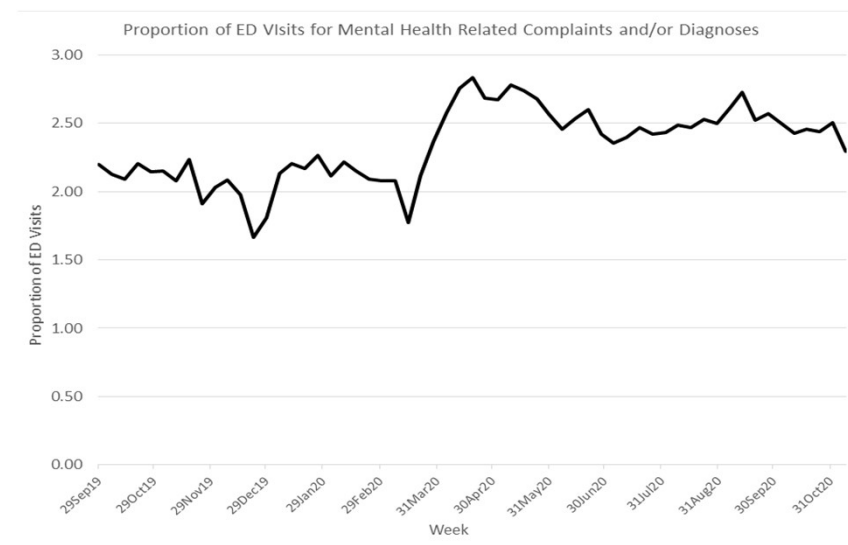
2. EMS Response Changes in Total & Opioid Overdose

Number of Probable Opioid Overdose EMS Responses
Michigan, April 2019-August 2020

Apr-Aug19 Avg: **1,012.8**

Apr-Aug20 Avg: **1,239.8**

Averages   Monthly Count

1. Average Weekly ED Visit Percent Difference

Weekly ED Visit Percent Difference Average from Previous Weekly Average by Race - Michigan

Native Hawaiian or Other Pacific Islander
Asian
Other Race
Total
American Indian or Alaska Native
Black or African American
White

3. Proportion of ED Visits for Mental Health

Proportion of ED Visits for Mental Health Related Complaints and/or Diagnoses

QUESTIONS?