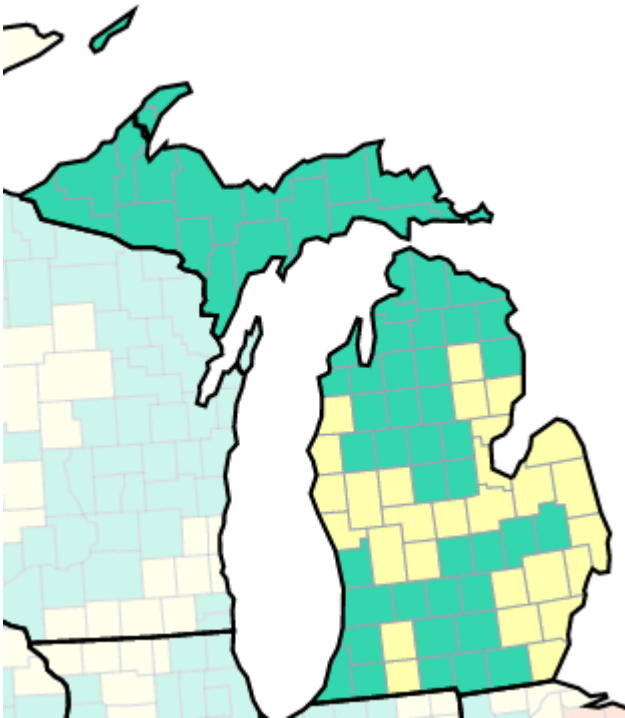




MI COVID RESPONSE DATA AND MODELING UPDATE

November 8, 2022

As of Nov 3, No Michigan Counties are at High COVID-19 Community Level



- In the US, 2% of counties have high risk for medically significant disease and healthcare strain
- In Michigan, 0% (0/83) of counties are at high risk. This represents 0% of the population
- 28 Michigan counties are currently at Medium level (34%). This represents 67% of the population
- 55 Michigan counties are currently at Low level (66%). This represents 33% of the population

Percent of Counties This Week

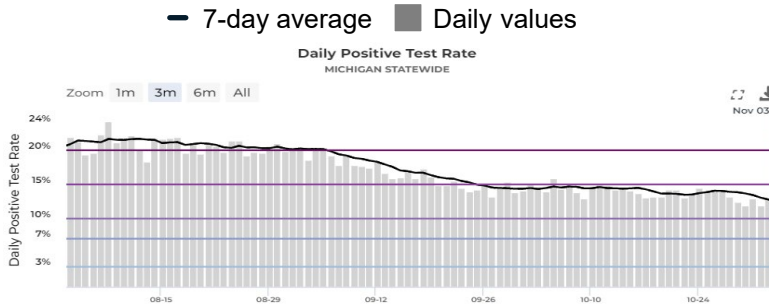
	United States	Michigan	Percent of MI Population
Low	79%	66%	33%
Medium	19%	34%	67%
High	2%	0%	0%

Low	Medium	High
<ul style="list-style-type: none">• Stay up to date with COVID-19 vaccines• Get tested if you have symptoms	<ul style="list-style-type: none">• If you are at high risk for severe illness, talk to your healthcare provider about whether you need to wear a mask and take other precautions• Stay up to date with COVID-19 vaccines• Get tested if you have symptoms	<ul style="list-style-type: none">• Wear a mask indoors in public• Stay up to date with COVID-19 vaccines• Get tested if you have symptoms• Additional precautions may be needed for people at high risk for severe illness

Recent statewide trends are showing slow increases

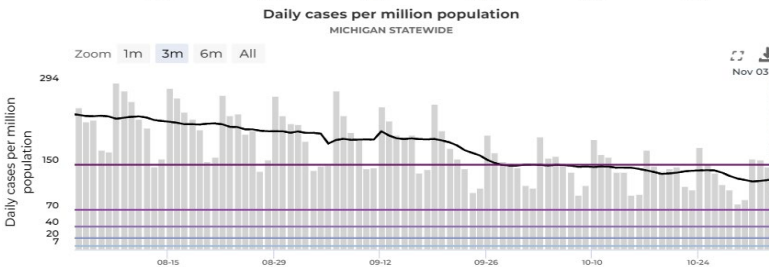
Statewide trends

Positivity, %



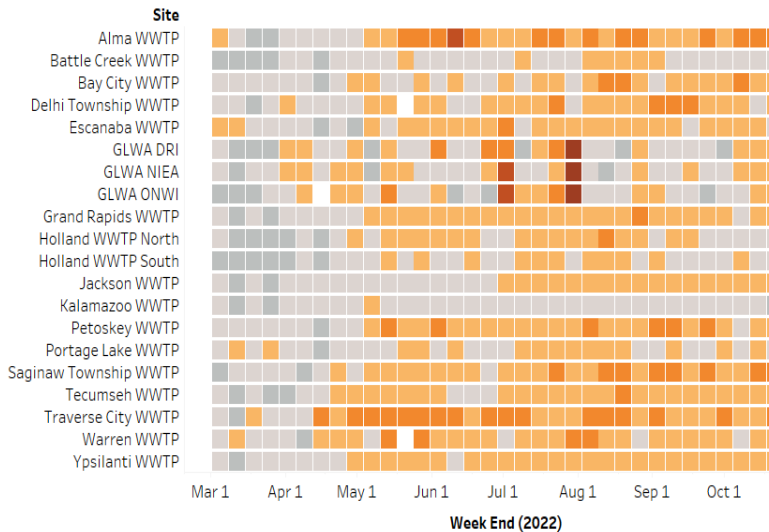
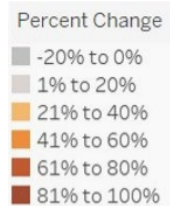
Current: 12.5%
Last Week: 14.0%

Daily cases per million



Current: 129.7
Last Week: 125.6

Wastewater



Current: 70% of sites
are above 20%
baseline threshold

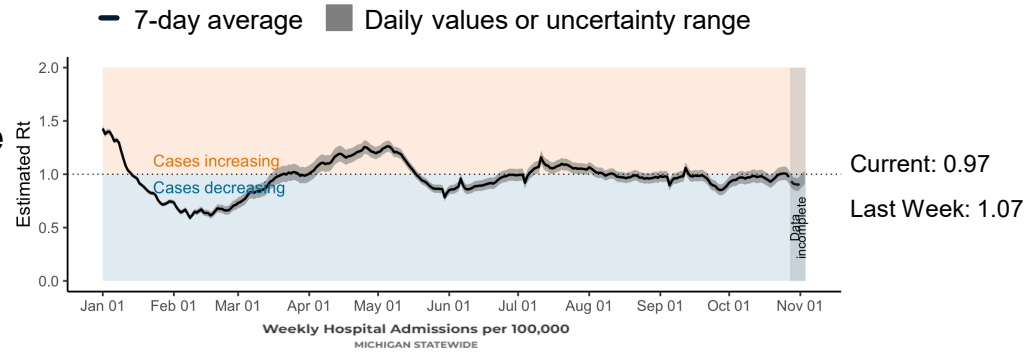
Last Week: 75% of
sites are above 20%
baseline threshold

- The two core indicators, test percent positivity, and case rates, are steady over the past several weeks; positivity is slightly down while case rates are slightly up
- 17 counties are currently showing increases in cases and an additional 7 reported an elevated incidence plateau in case rates (via mistartmap.info as of 11/4/22, data through 10/27/22)
- 70% (14/20) of wastewater sentinel sites have reported levels that are 20% are higher than baseline threshold levels this week

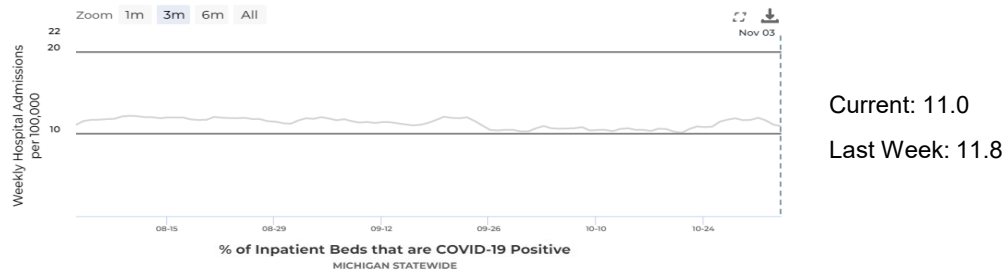
Recent statewide trends are plateaued

Statewide trends

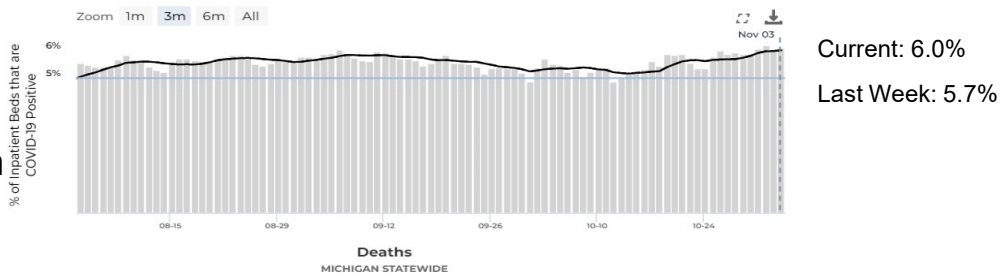
Reproductive Number, R_t



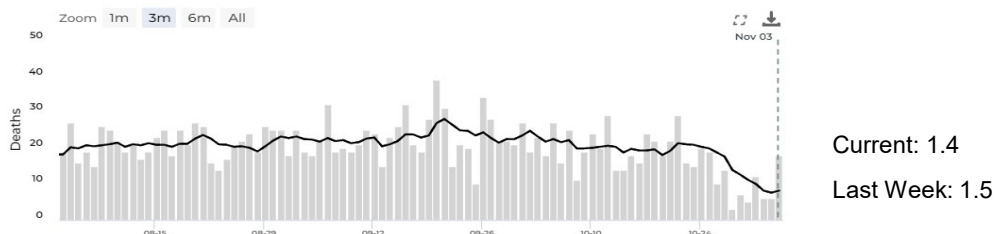
Hospital Admissions



Daily hospitalization rate, %



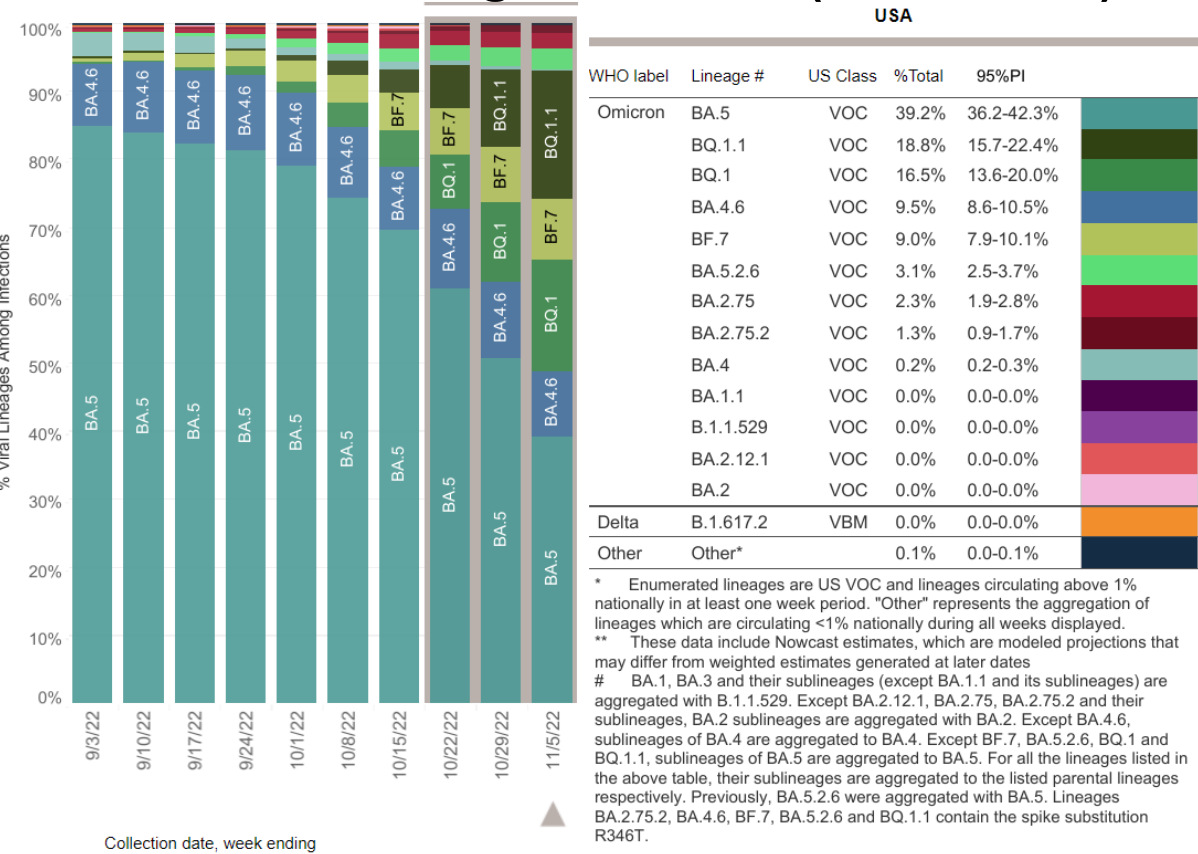
Deaths



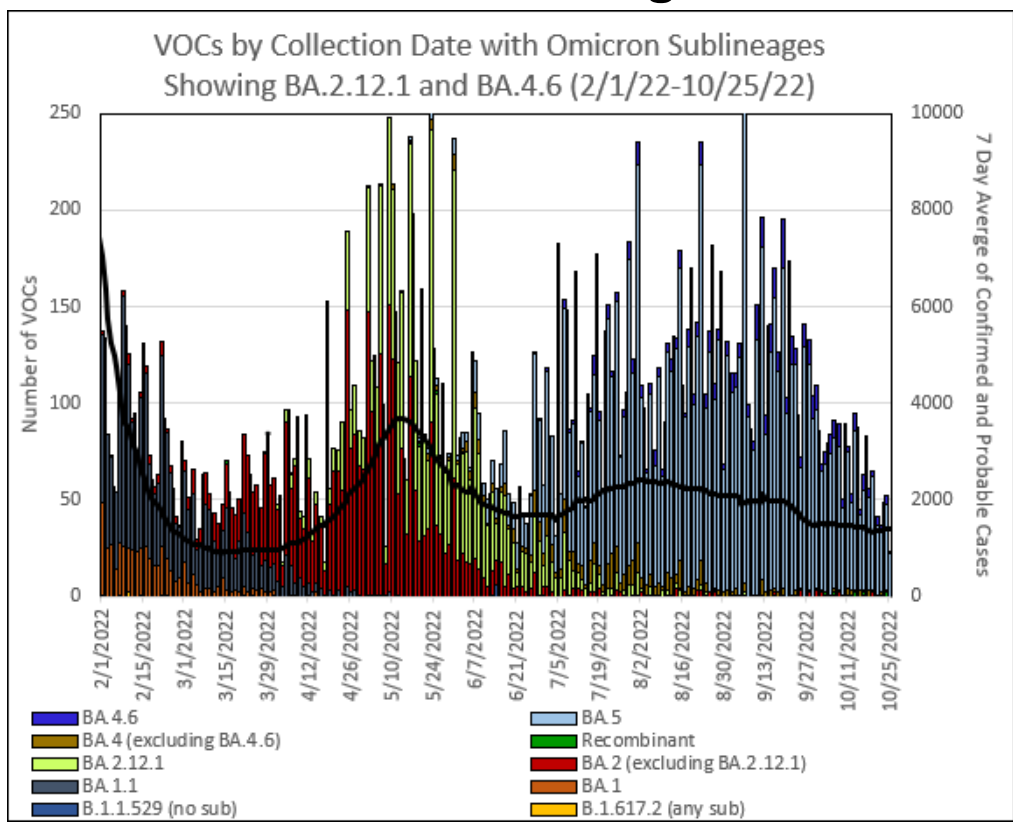
- The reproductive number (R_t) in Michigan is near 1 indicating that case trends are plateaued
- There are an average of 11.0 hospital admissions per 100,000 Michiganders day which is slightly lower than last week
- The percent of inpatient beds that have patients diagnosed with COVID-19 have seen a slight increase for two and half weeks
- Deaths are a lagging indicator but remain steady compared to last week

Identified COVID-19 Cases Caused by Variants of Concern (VOC) in US and Michigan: Predominately BA.5 and BA.4 lineages

SARS-CoV-2 Variants Circulating in the United States, Aug 28 – Nov 5 (NOWCAST)



VOC Distribution in Michigan



- Since October 1, there have 1,629 VOC specimens sequenced
- 100% of specimens sequenced are Omicron
 - Since October 1, 87% of specimens sequenced and reported (n=1,425) have been identified as BA.5; of which 6.5% of those specimens are BF.7 (n=92); 2.3% of all BA.5 specimens are BQ.1 (n=33); and 2.6% of all BA.5 specimens are BQ.1.1 (n=37)

Over 6.1 Million Michiganders have completed the primary series – 61.7% of the total population

Vaccination Coverage

Over 6.1 million people in the state are fully vaccinated*
90.5% of people aged 65 and older have completed the primary series*
68.7% of total population have initiated the primary series*

Race/Ethnicity[†] for those 6 months and older:

- Initiation coverage is highest among those of Non-Hispanic (NH) Asian, Native Hawaiian or Pacific Islander Race (63.9%), then NH American Indian (56.2%), NH White (54.4%), NH Black or African American Races (43.4%).
- Initiation is at 60.8% for those of Hispanic ethnicity

Updated Booster Coverage

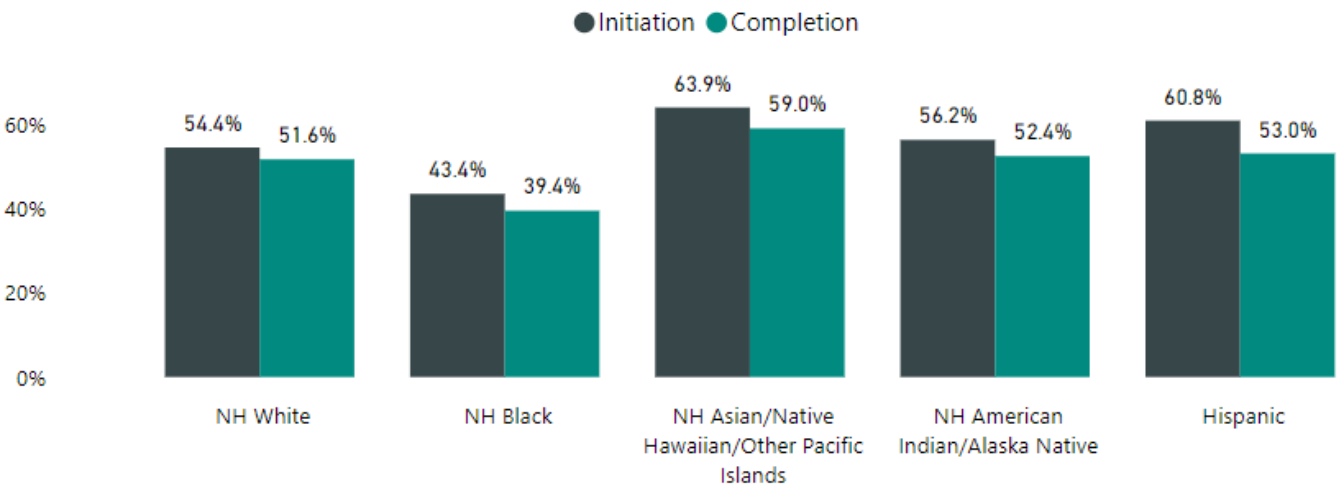
The percentage of Michiganders who have received the updated (bivalent) booster is higher than national percentages for all reported age groups
29.2% of the population 65 years of age or older has received an updated (bivalent) booster
10.7% of Michiganders ages 5 years and older have received their updated (bivalent) booster dose

Vaccination Coverage in Michigan as of 10/27/2022

Age Group	% At Least One Dose	% Completed Primary Series	% Updated Booster**	U.S. % Boosted**	Primary Series Total
Total Population	68.8%	61.8%	NA	NA	6,162,657
≥ 5 years	72.7%	65.4%	10.7%	8.4%	6,153,467
≥ 12 years	76.7%	69.0%	11.6%	9.2%	5,923,474
≥ 18 years	78.9%	71.0%	12.5%	9.9%	5,558,429
≥ 65 years	95.0%	90.7%	29.2%	23.0%	1,598,532

**This shows the percentage of all residents ages 5 years and older in a jurisdiction (state, territory, national) with an updated (bivalent) booster dose. Non-residents who received vaccine are attributed to their jurisdiction of residence.

Coverage by Race*



Source: *[CDC COVID Data Tracker > Vaccinations in the US](#), [†] [MCIR COVID-19 Vaccine Dashboard](#)

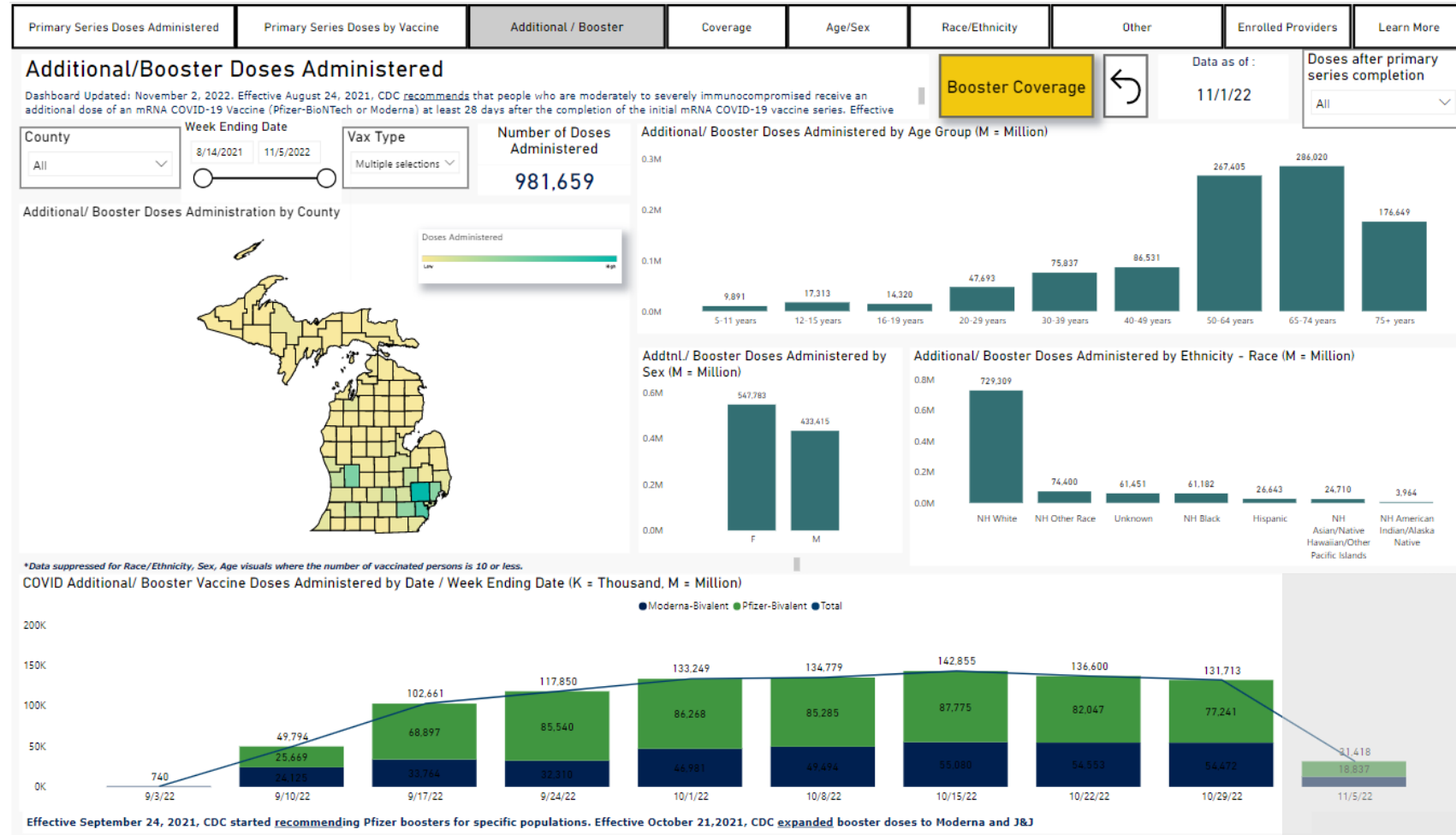
Note: Now include all those 6 months and older in calculations

Bivalent Administration

- FDA has authorized and CDC now recommends expanding the use of the updated bivalent COVID-19 vaccines to children ages 5 through 11 years.*

- As of 11/1[†], 981,659 Michiganders had received their bivalent booster

- Note: the data for the week ending 11/5 would have been incomplete on the date the dashboard was last refreshed (11/1) and underreport the true administration for the week



● Moderna Bivalent

● Pfizer Bivalent

* Pfizer-BioNTech is now expanded for children ages 5 through 11 years, and Moderna is expanded for children and adolescents ages 6 through 17 years

[†] These data are updated every Wednesday on our COVID-19 vaccination Dashboard under Additional/Booster Administration Trends and then restricting the view to just Moderna and Pfizer bivalent doses

Sources: [Michigan Coronavirus Vaccine Dashboard](#)