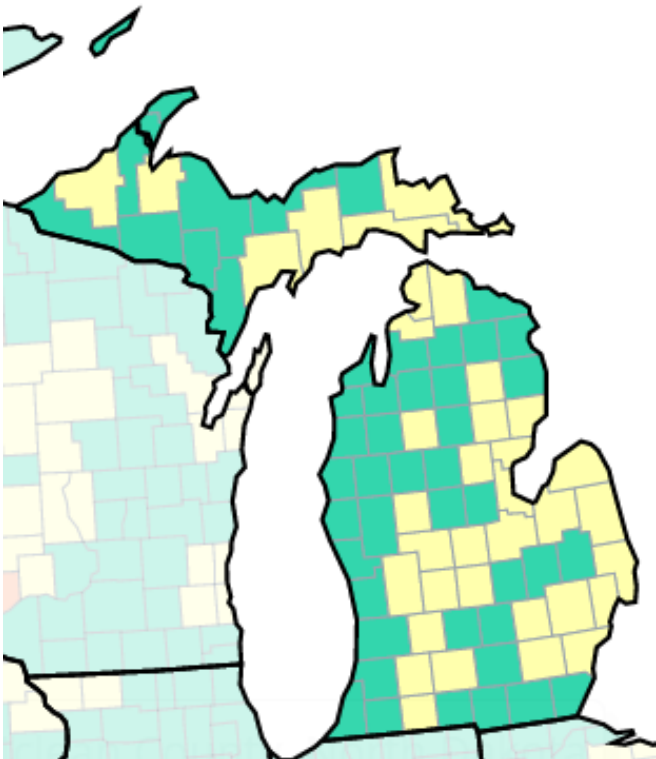


MI COVID RESPONSE DATA AND MODELING UPDATE

October 25, 2022

As of Oct 20, No Michigan Counties are at High COVID-19 Community Level



- In the US, 1% 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
- 36 Michigan counties are currently at Medium level (43%). This represents 68% of the population
- 47 Michigan counties are currently at Low level (57%). This represents 32% of the population

Percent of Counties This Week

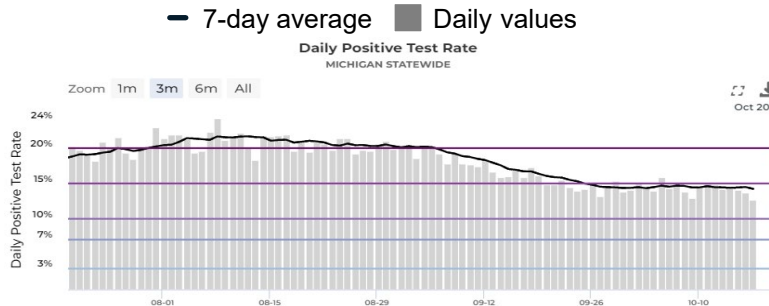
	United States	Michigan	Percent of MI Population
Low	81%	57%	32%
Medium	18%	43%	68%
High	1%	0%	0%

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 plateaued

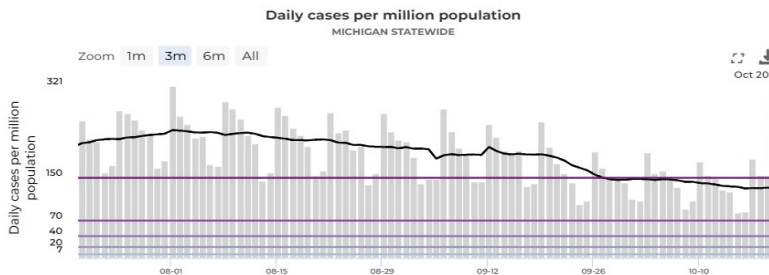
Statewide trends

Positivity, %



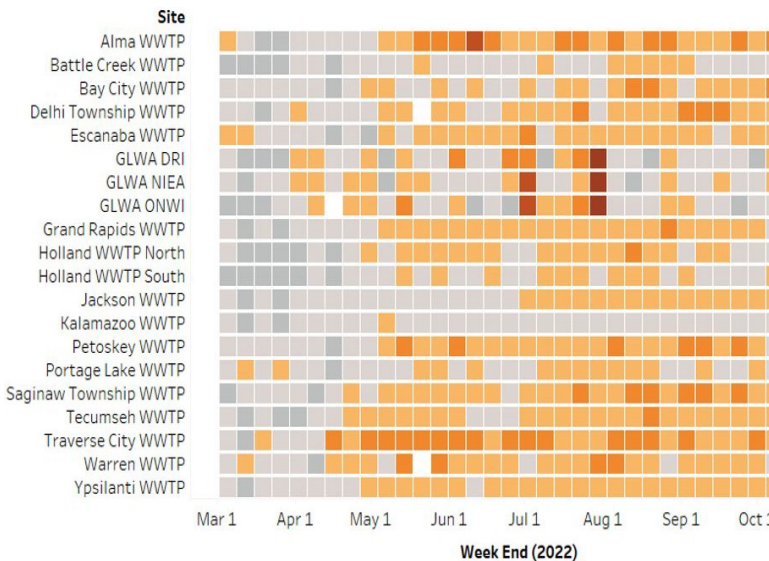
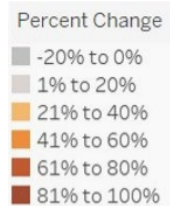
Current: 14.2%
Last Week: 14.4%

Daily cases per million



Current: 133.7
Last Week: 135.9

Wastewater



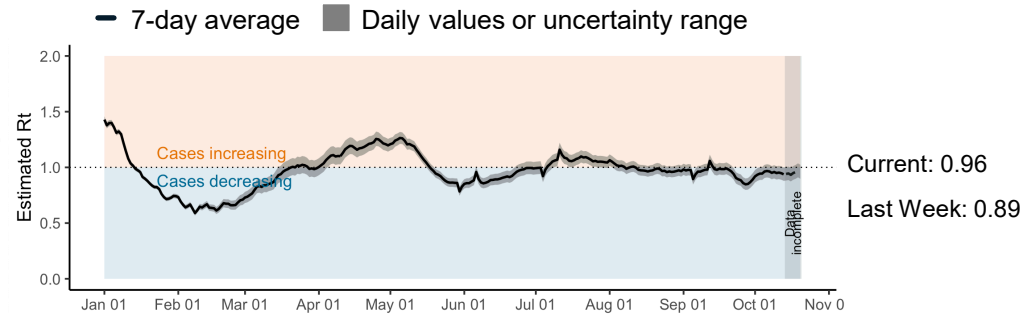
Current: 60% of sites are above 20% baseline threshold
Last Week: 65% of sites are above 20% baseline threshold

- The two core indicators, test percent positivity, and case rates, are steady over the past several weeks
- 14 counties are currently showing increases in cases and an additional 8 reported an elevated incidence plateau in case rates (via mistartmap.info as of 10/21/22, data through 10/10/22)
- 60% (12/20) of wastewater sentinel sites have reported levels that are 20% are higher than baseline threshold levels this week

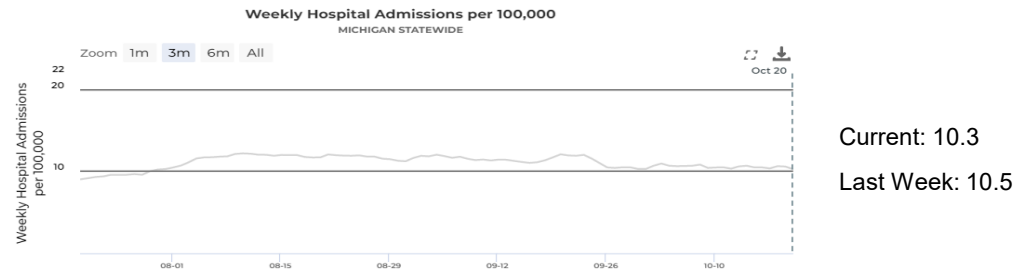
Recent statewide trends are plateaued

Statewide trends

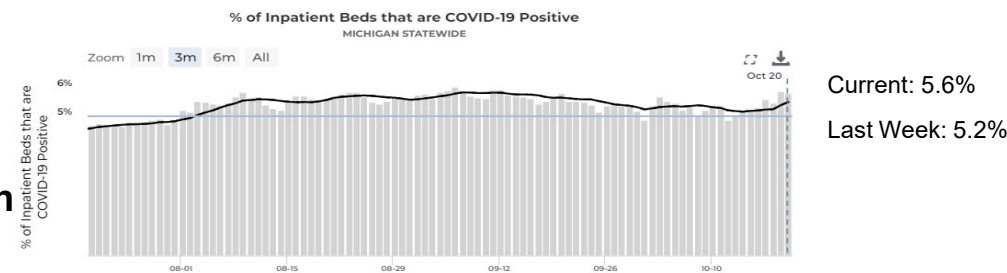
Reproductive Number, R_t



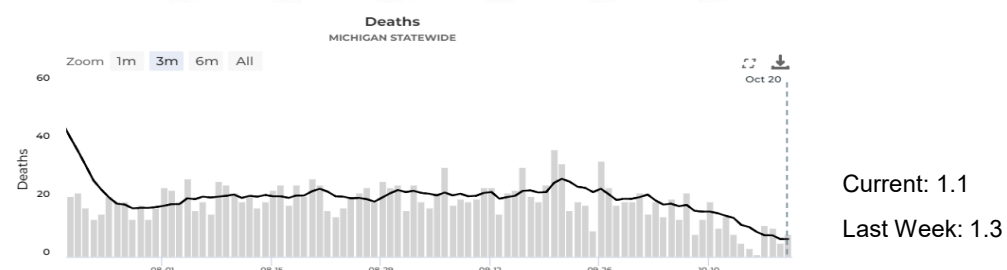
Hospital Admissions



Daily hospitalization rate, %



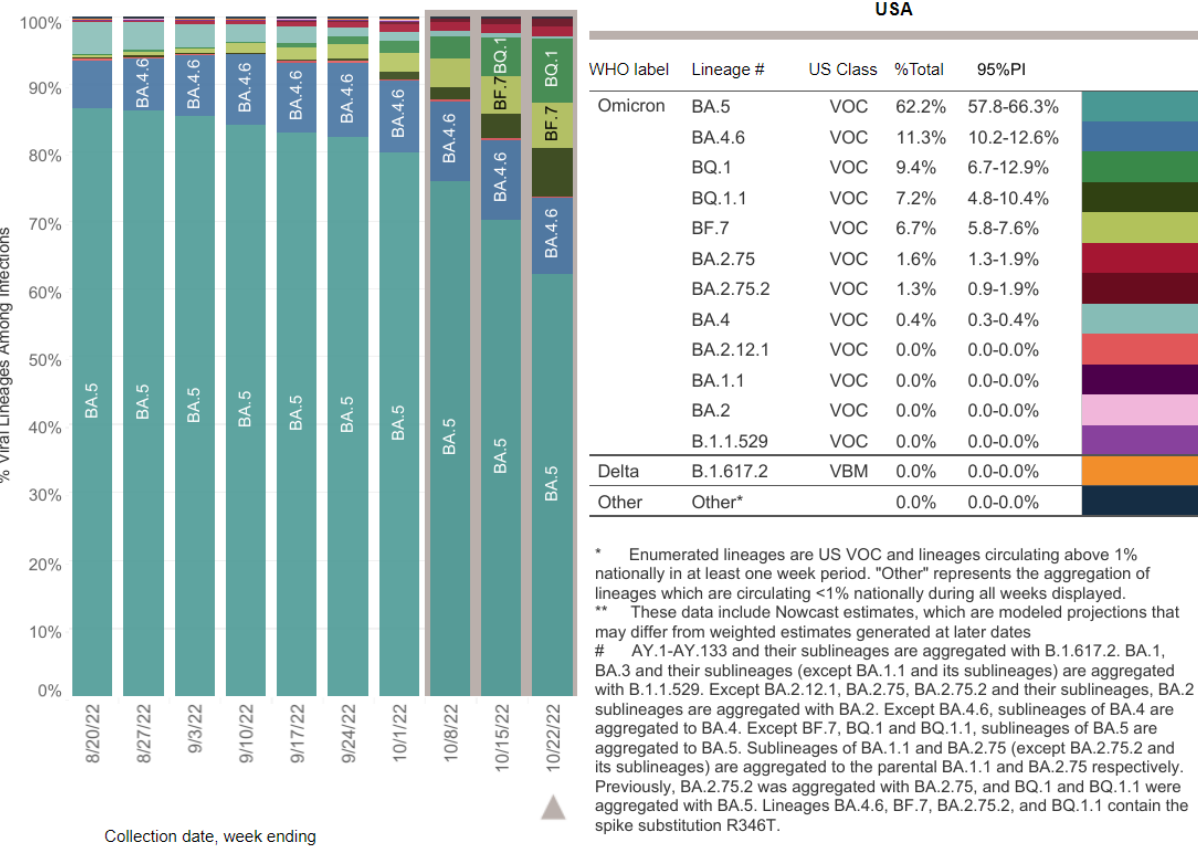
Deaths



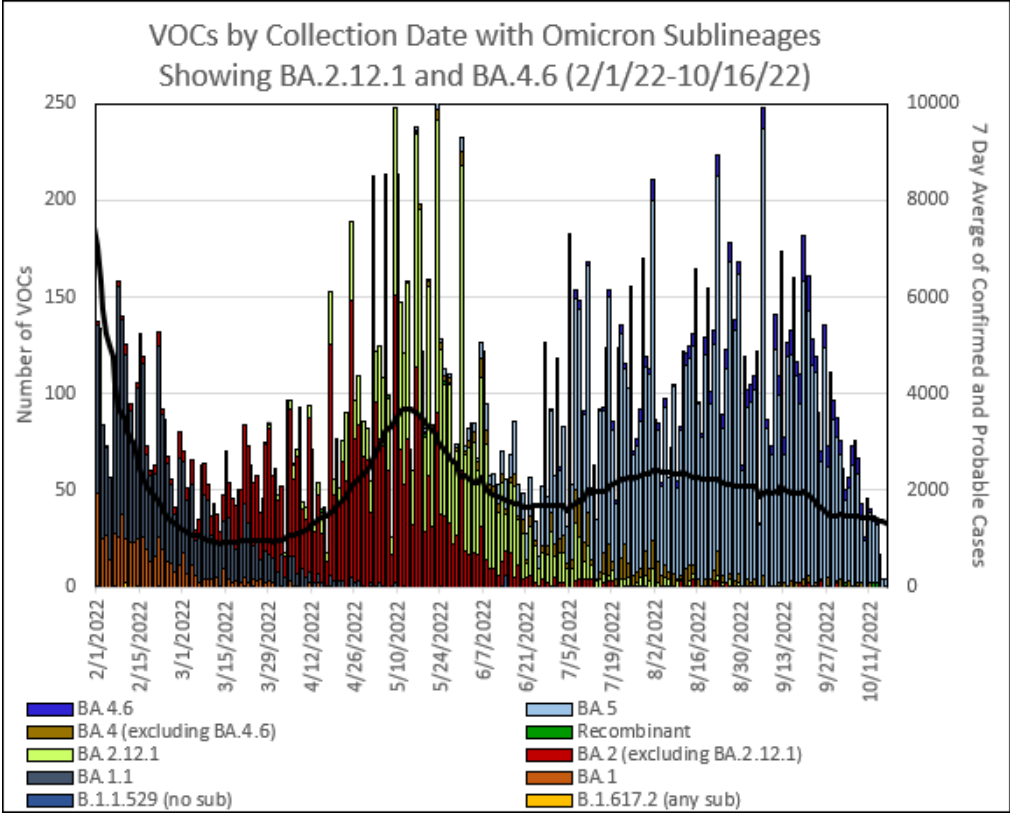
- Of the other two core indicators, the percent of inpatient beds that have patients diagnosed with COVID-19 has seen a slight increase, but deaths remain steady over the past several weeks
- Additionally, the reproductive number (R_t) in Michigan continues to be near 1 indicating that case trends are plateaued
- There are an average of 10.3 hospital admissions per 100,000 Michiganders daily which is steady over the past week and steady since May 2022

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 14 – Oct 22 (NOWCAST)



VOC Distribution in Michigan



- Since September 1, there have 4,157 VOC specimens sequenced
- 100% of specimens sequenced are Omicron, nearly 90% of those are BA.5 lineage; and less than 1% of those specimens are BQ.1 or BQ.1.1 (n=34)
 - Since September 1, only 10% of specimens sequenced and reported (n=438) have been identified as BA.4

Over 6.1 Million Michiganders fully vaccinated and 61.6% of total population fully vaccinated

Vaccination Coverage

Over 6.1 million people in the state are fully vaccinated*

90.4% of people aged 65 and older have completed the primary series*

68.6% 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 (43.3%).
- Initiation is at 60.5% for those of Hispanic ethnicity

Booster Coverage

78.7% of the fully vaccinated population 65 years of age or older has received a booster

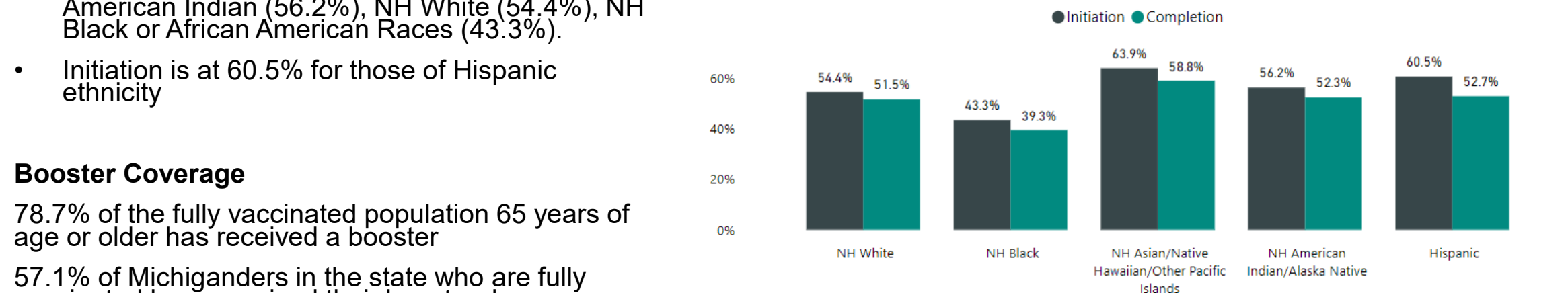
57.1% of Michiganders in the state who are fully vaccinated have received their booster dose

Vaccination Coverage in Michigan as of 10/24/2022

Age Group	% At Least One Dose	% Fully Vaccinated	% Boosted**	Number Fully Vaccinated
Total Population	68.6%	61.6%	57.1%	6,154,474
≥ 5 years	72.5%	65.2%	57.2%	6,145,993
≥ 12 years	76.5%	68.8%	58.7%	5,916,527
≥ 18 years	78.7%	70.8%	60.3%	5,551,776
≥ 65 years	95.0%	90.4%	78.7%	1,595,870

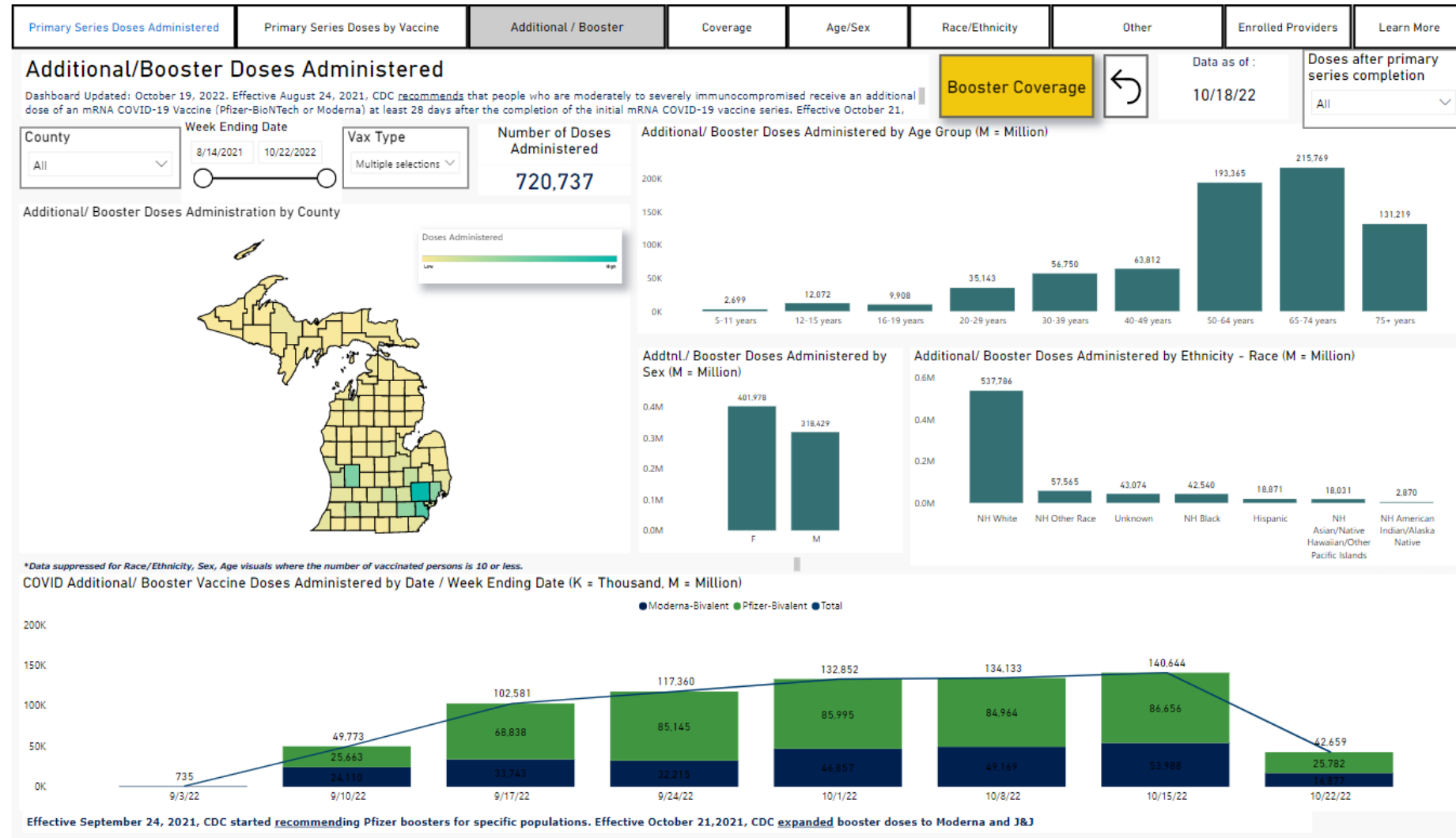
** Percentage of the fully vaccinated population with first booster

Coverage by Race*



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 10/18[†], 720,737 Michiganders had received their bivalent booster
- Note: the data for the week ending 10/22 would have been incomplete on the date the dashboard was last refreshed (10/18) 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](#)