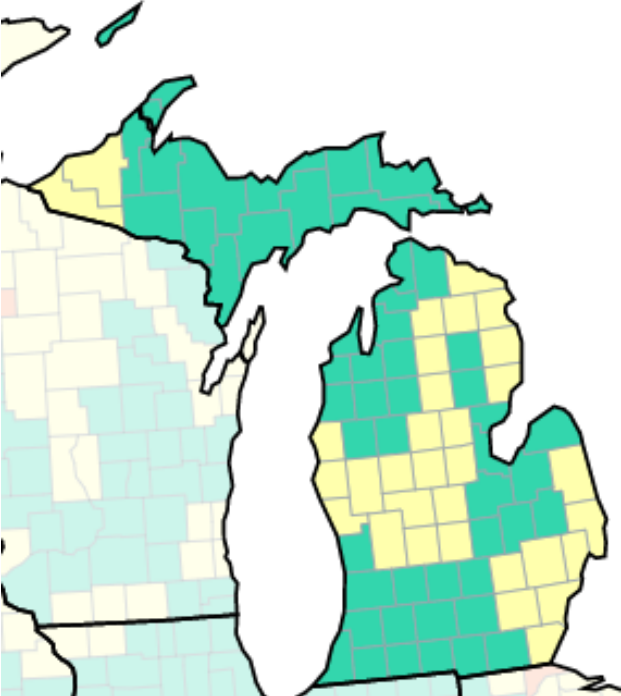


MI COVID RESPONSE DATA AND MODELING UPDATE

October 18, 2022

As of Oct 13, 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
- 32 Michigan counties are currently at Medium level (39%). This represents 64% of the population
- 51 Michigan counties are currently at Low level (61%). This represents 36% of the population

Percent of Counties This Week

	United States	Michigan	Percent of MI Population
Low	80%	61%	36%
Medium	18%	39%	64%
High	2%	0%	0%

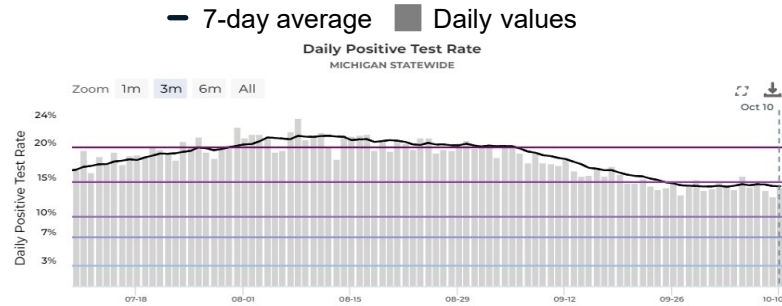
Low	Medium	High
<ul style="list-style-type: none"> • Stay up to date with COVID-19 vaccines • Get tested if you have symptoms 	<ul style="list-style-type: none"> • If you are at high risk for severe illness, talk to your healthcare provider about whether you need to wear a mask and take other precautions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

Source: CDC COVID-19 Community Levels https://covid.cdc.gov/covid-data-tracker/#county-view?list_select_state=all_states&list_select_county=all_counties&data-type=CommunityLevels

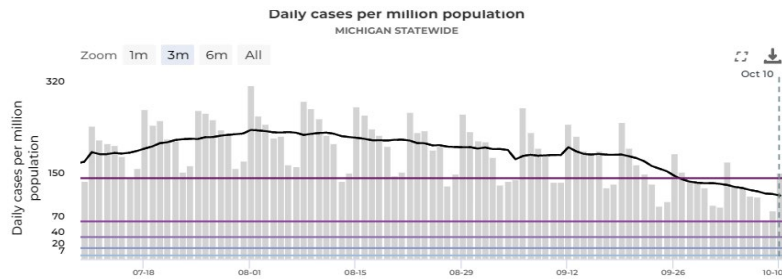
Recent statewide trends are plateaued

Statewide trends

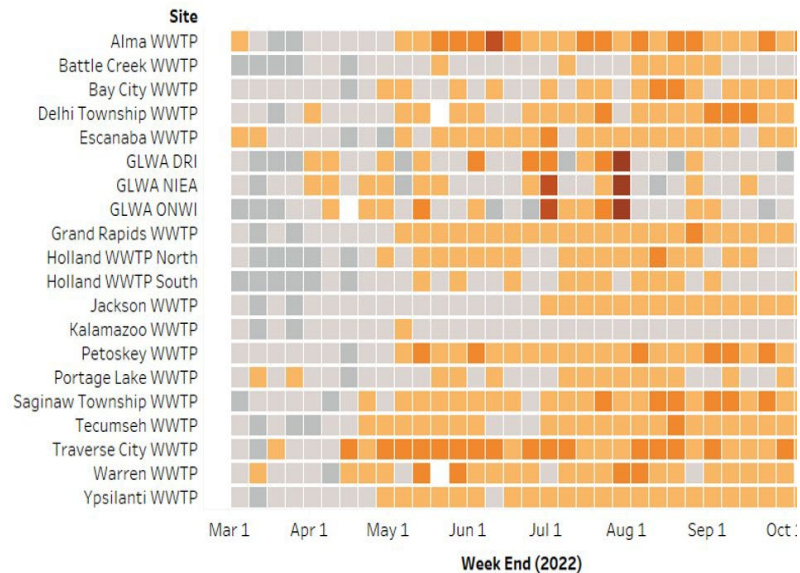
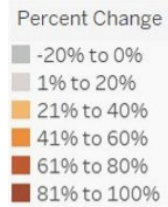
Positivity, %



Daily cases per million



Wastewater



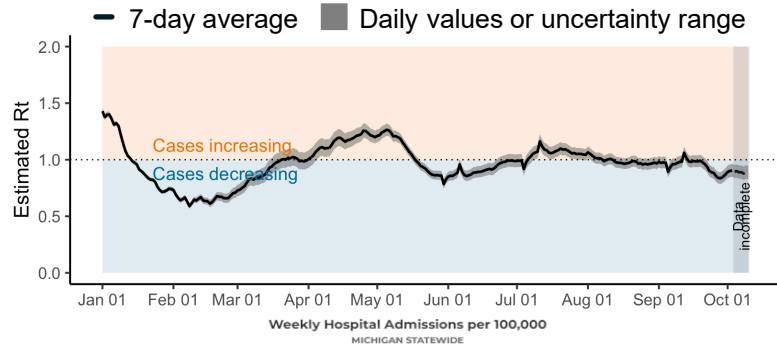
Current: 65% of sites are above 20% baseline threshold
Last Week: 60% of sites are above 20% baseline threshold

- The two core indicators, test percent positivity, and case rates, are steady over the past several weeks
- Six counties currently showing increases in cases and an additional 7 reported an elevated incidence plateau in case rates (via mistartmap.info as of 10/14/22, data through 10/3/22)
- 65% (13/20) of wastewater sentinel sites have reported levels that are 20% or higher than baseline threshold levels this week

Recent statewide trends are plateaued

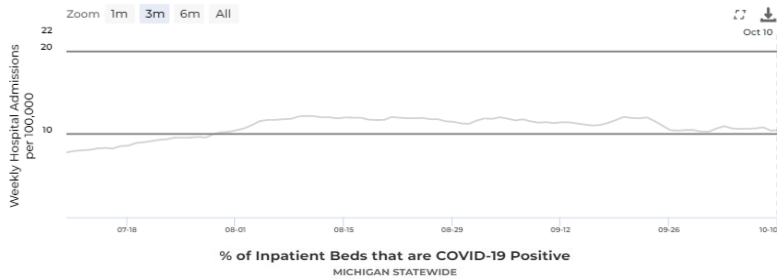
Statewide trends

Reproductive Number, R_t



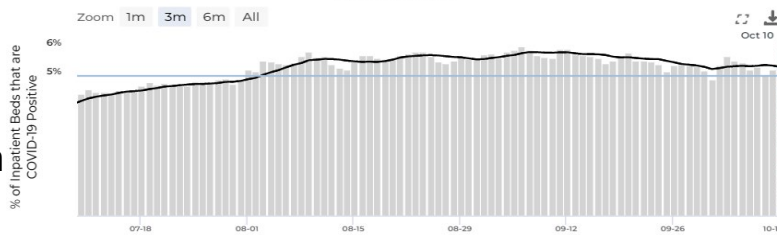
Current: 0.9
Last Week: 1.0

Hospital Admission Rate



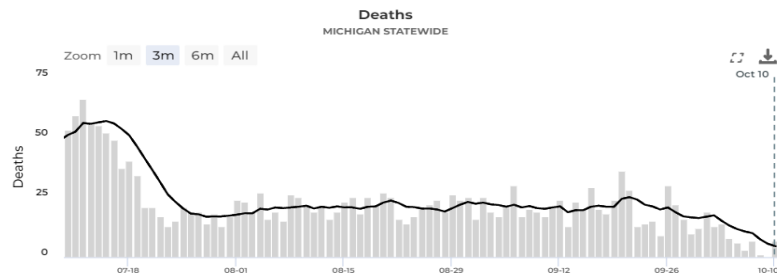
Current: 10.5
Last Week: 11.0

Daily hospitalization rate, %



Current: 5.2%
Last Week: 5.3%

Deaths



Current: 1.3
Last Week: 1.2

- The other two core indicators, percent of inpatient beds that have patients diagnosed with COVID-19, and deaths are 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 10.5 hospital admissions per 100,000 Michiganders per day which is steady over the past week and steady since May 2022

Over 6.1 Million Michiganders fully vaccinated and 61.5% of total population fully vaccinated

Vaccination Coverage in Michigan as of 10/13/2022

Vaccination Coverage

Over 6.1 million people in the state are fully vaccinated*

90.2% of people aged 65 and older have completed the series*

68.6% of total population initiated*

Race/Ethnicity† for those 6 months and older:

- Initiation coverage highest among those of Non-Hispanic (NH) Asian, Native Hawaiian or Pacific Islander Race (63.8%), then NH American Indian (56.2%), NH White (54.4%), NH Black or African American Races (43.3%).
- Initiation is at 60.4% for those of Hispanic ethnicity

Booster Coverage

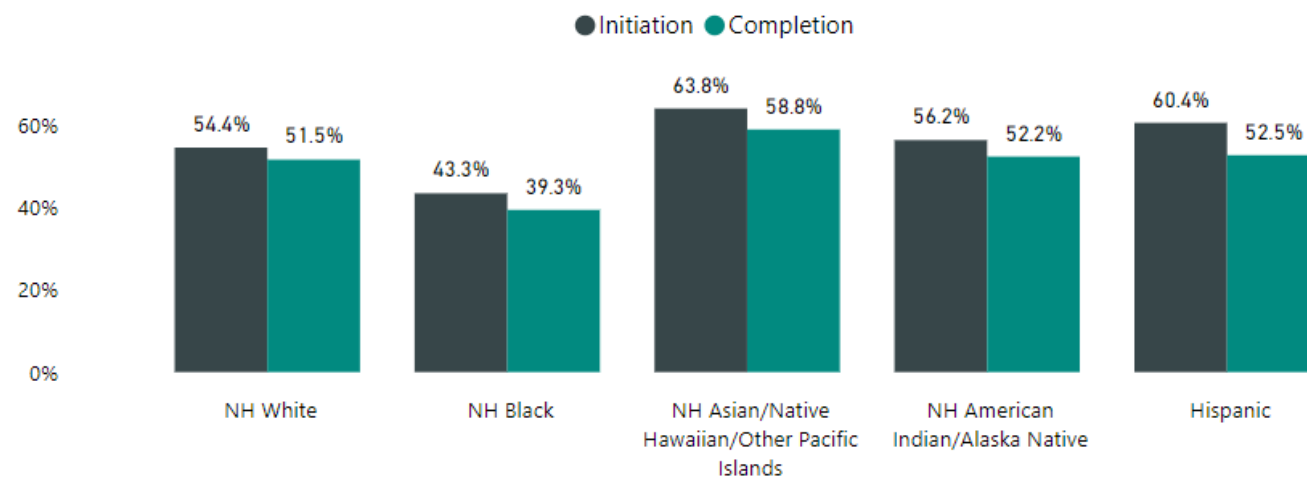
78.5% of the fully vaccinated population 65 years of age or older has received a booster

57.0% of Michiganders in the state who are fully vaccinated have received their booster dose

Age Group	% At Least One Dose	% Fully Vaccinated	% Boosted**	Number Fully Vaccinated
Total Population	68.6%	61.5%	57.0%	6,145,649
≥ 5 years	72.4%	65.2%	57.0%	6,137,913
≥ 12 years	76.4%	68.7%	58.6%	5,908,959
≥ 18 years	78.6%	70.7%	60.2%	5,544,478
≥ 65 years	95.0%	90.2%	78.5%	1,592,775

**Percentage of the fully vaccinated population with first booster

Coverage by Race*

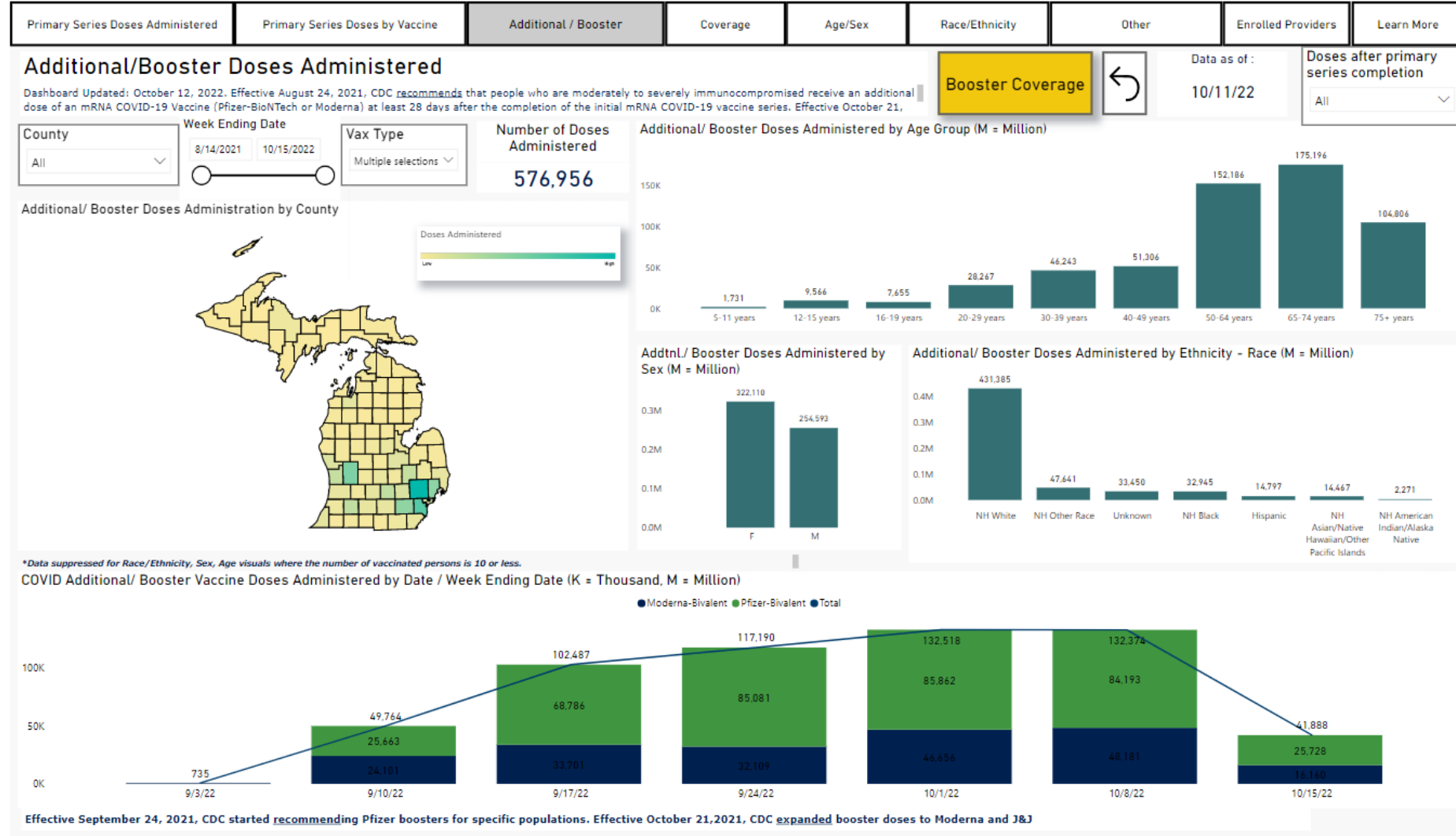


Bivalent Administration

- 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 10/11[†], 576,956 Michiganders had received their bivalent booster

- Note: the data for the week ending 10/8 would have been incomplete on the date the dashboard was last refreshed (10/4) 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](https://www.michigan.gov/covid19)