

OTTAWA COUNTY COVID-19 EPIDEMIOLOGY

April 13, 2021

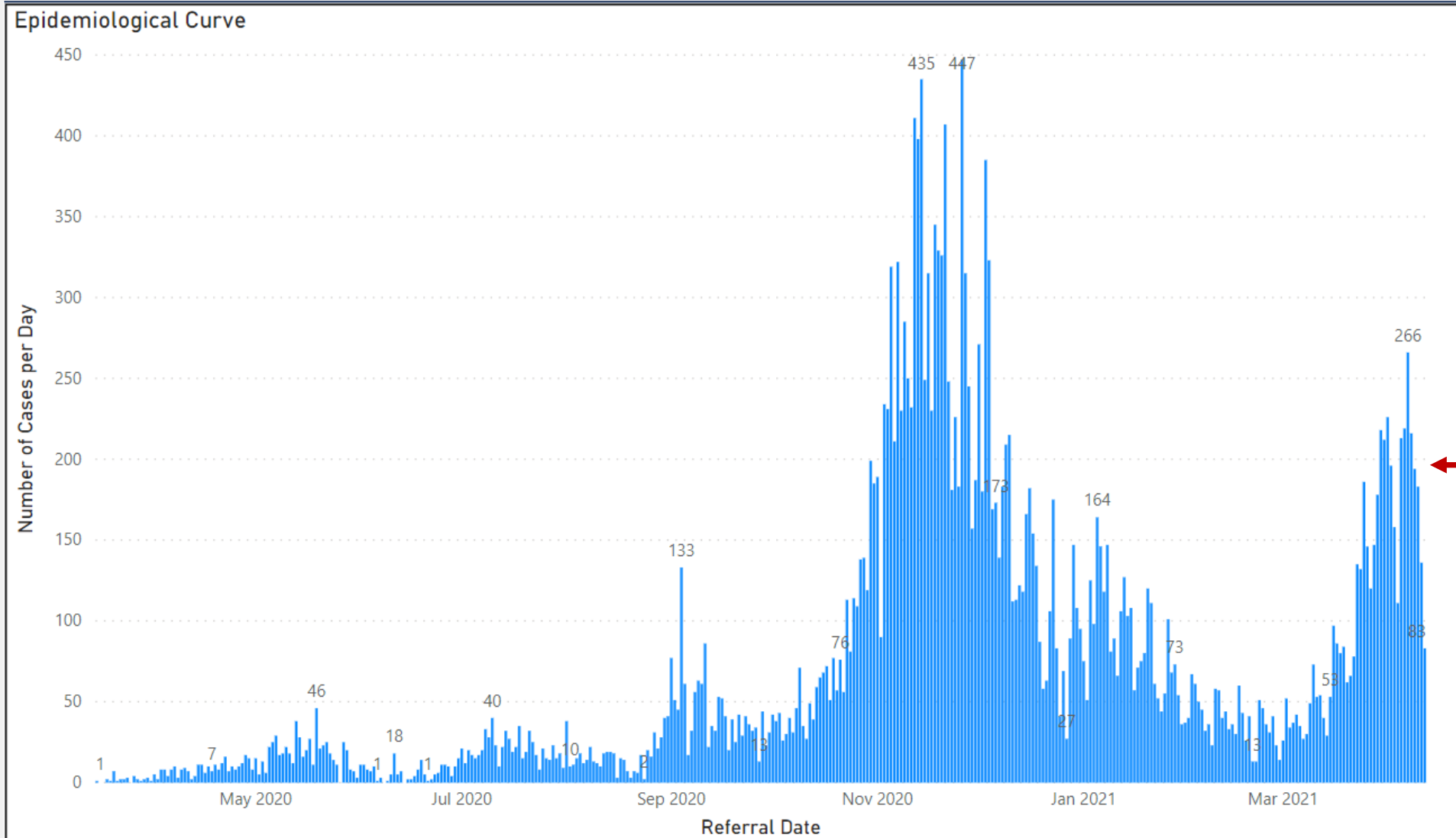
Epidemiology Section

Ottawa County Department of Public Health

NOTE: All data as of April 12, 2021 unless otherwise indicated

CASE TRENDS IN OTTAWA COUNTY

COVID-19 Cases by Day, Ottawa County, March 15, 2020 – April 12, 2021



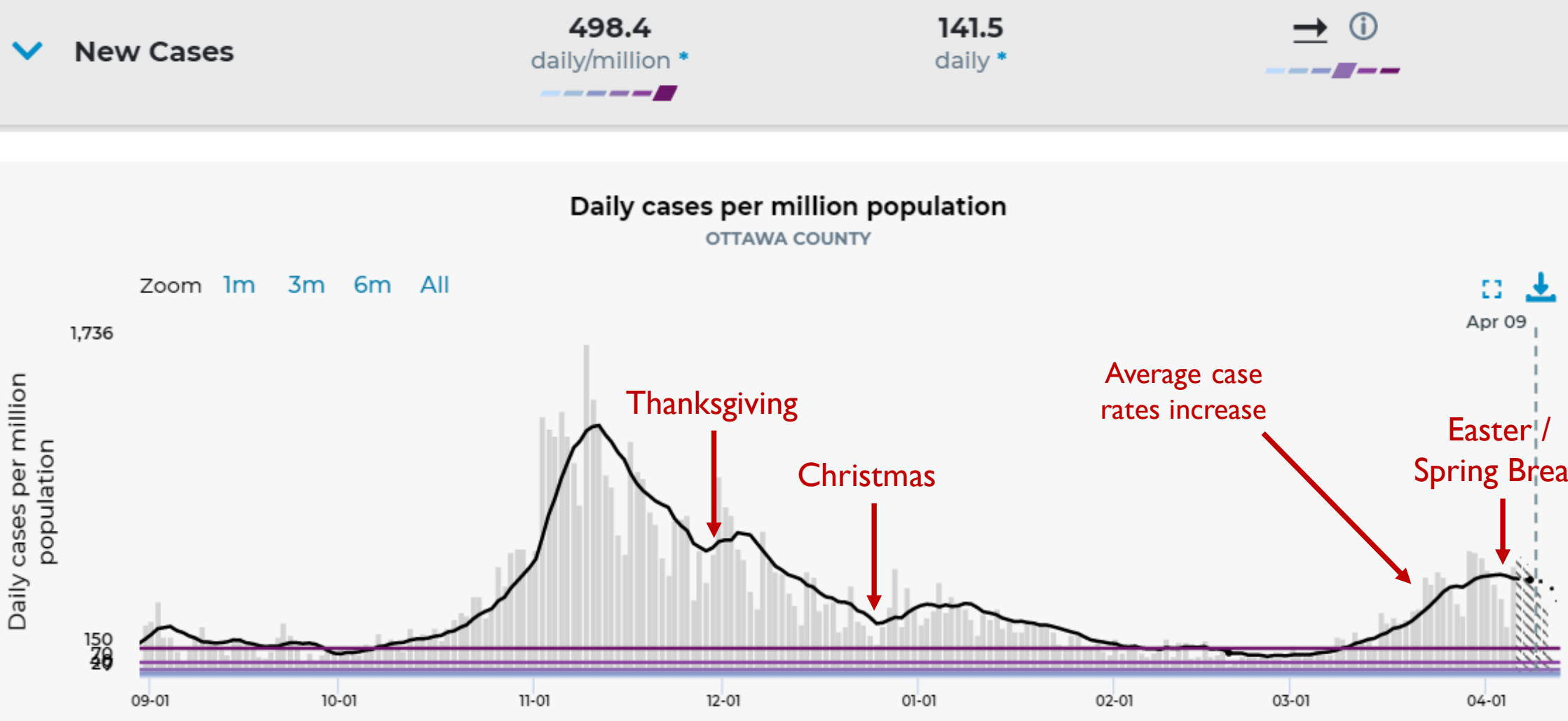
Total Number of Cases

27,208

Cases are increasing, averaging about **185 cases a day**, higher than the **71 cases a day** reported at last month's commissioners meeting.

CASE RATE TRENDS IN OTTAWA COUNTY

COVID-19 Cases Rates, Ottawa County, September 1, 2020 – April 9, 2021



Source: <https://www.mistartmap.info/?area=county%3Aottawa>

PERCENT TEST POSITIVITY - OTTAWA COUNTY

COVID-19 Percent Positive Tests, Ottawa County, September 2020 – April 9, 2021

Test Results

20%
positive tests *

854.5
daily tests
administered *

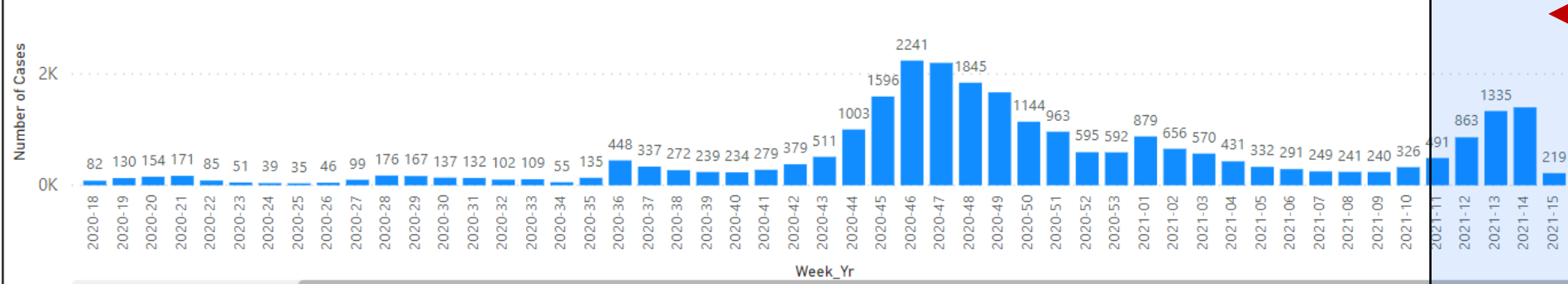
Daily Positive Test Rate
OTTAWA COUNTY



The percent of tests coming back positive is **increasing**, from 2.9% in late-February to a current rate of 20%.

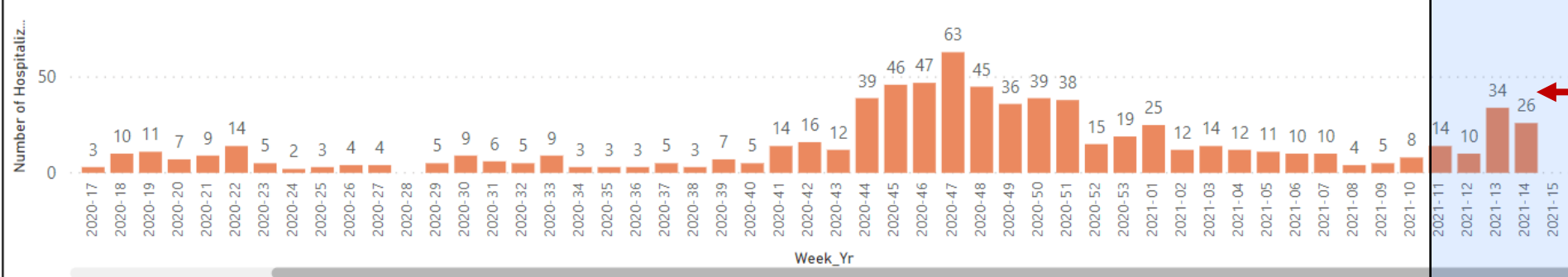
CASES, HOSPITALIZATIONS, AND DEATHS BY WEEK

New Cases By Week of Referral



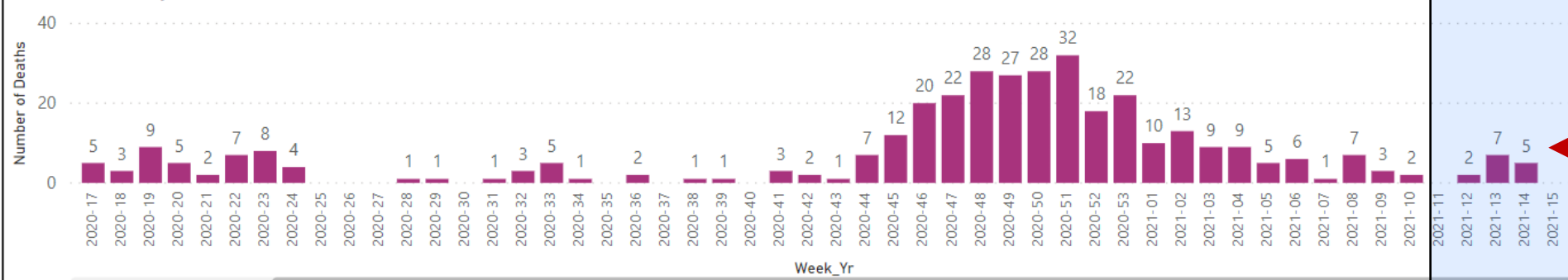
Note: Due to reporting lags, data may not be complete for the time in the shaded region.

New Hospitalizations by Week of Admission



The number of hospitalizations occurring each week is increasing.

New Deaths by Week of Death



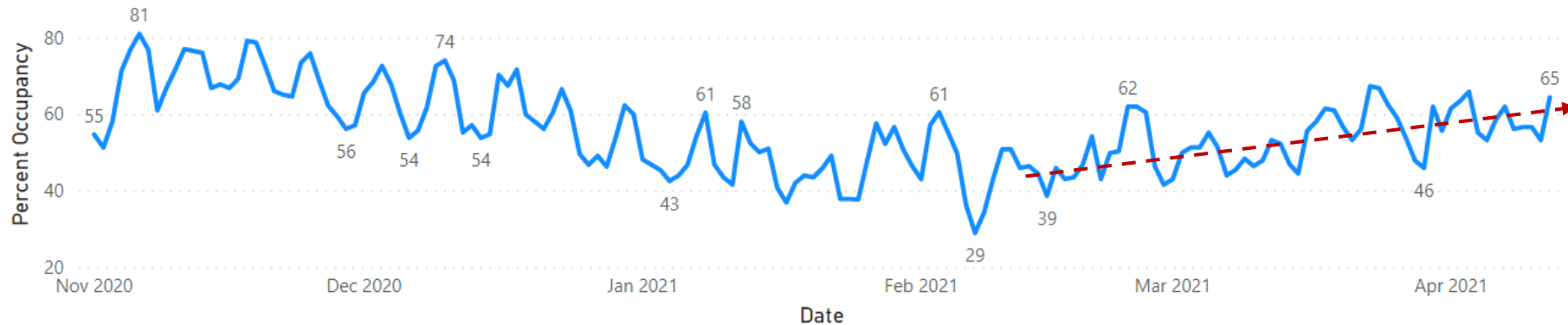
Deaths tapered to a low in February, but have increased in the last 3 weeks.

WHERE OTTAWA IS NOW – HOSPITAL CAPACITY

Total Inpatient Bed Occupancy (All Patients, COVID and Non-COVID)

Percent Occupancy by Date and County

County ● Ottawa



COVID Inpatient Bed Occupancy (COVID Patients Only, Confirmed and Suspected)

Percent Occupancy by Date and County

County ● Ottawa



Hospital bed occupancy and occupancy with COVID-19 patients are both increasing. Over the past few days about 20% of beds are occupied by COVID patients.

WHERE OTTAWA IS NOW – ICU CAPACITY

Total ICU Bed Occupancy (All Patients, COVID and Non-COVID)

Percent Occupancy by Date and County

County ● Ottawa



COVID ICU Bed Occupancy (COVID Patients Only, Confirmed and Suspected)

Percent Occupancy by Date and County

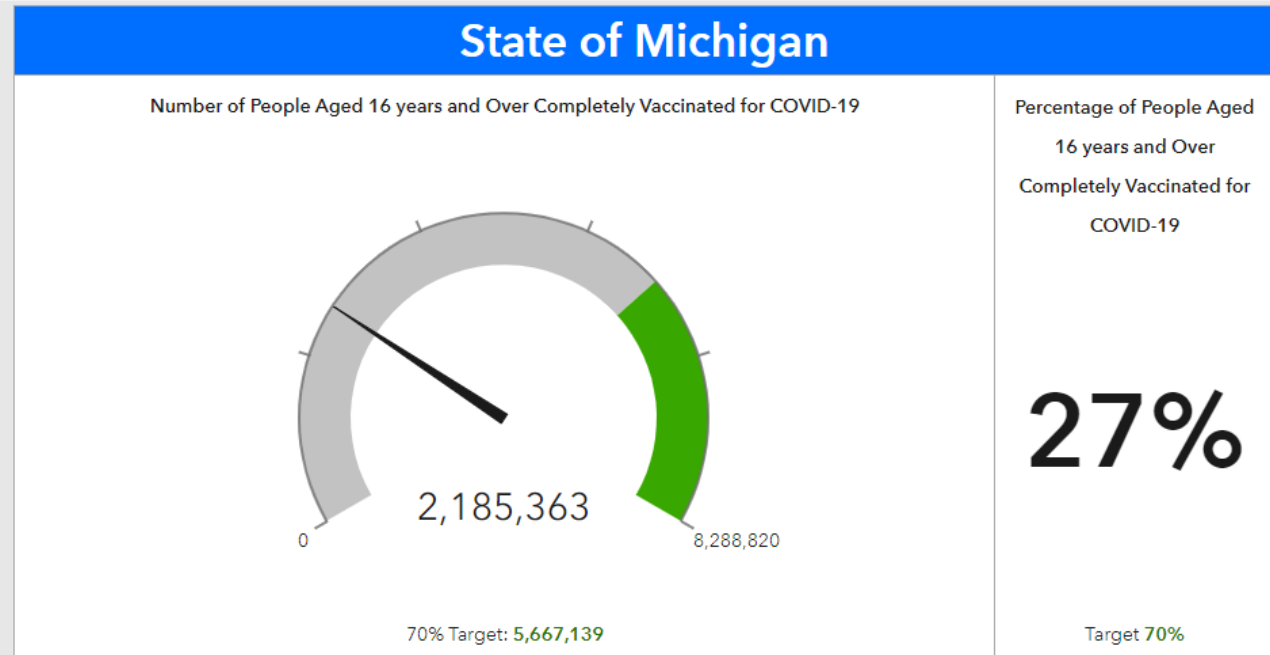
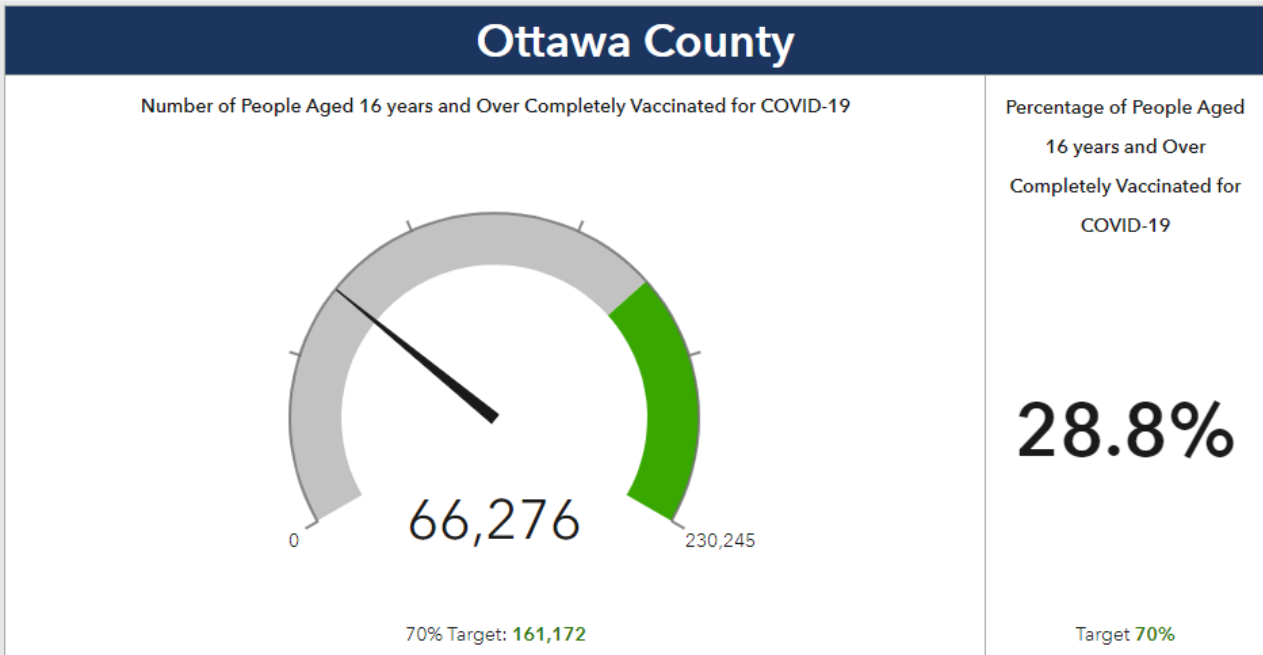
County ● Ottawa



ICU hospital bed occupancy and occupancy by COVID patients **are both increasing**. The percent of ICU beds occupied by COVID patients is hovering at about 30%.

VACCINATION PROGRESS IN OTTAWA COUNTY

Among Ottawa County Residents Aged 16+...



Goal = 70%

Includes vaccinations given to any Ottawa County resident 16+, regardless of where vaccine is obtained

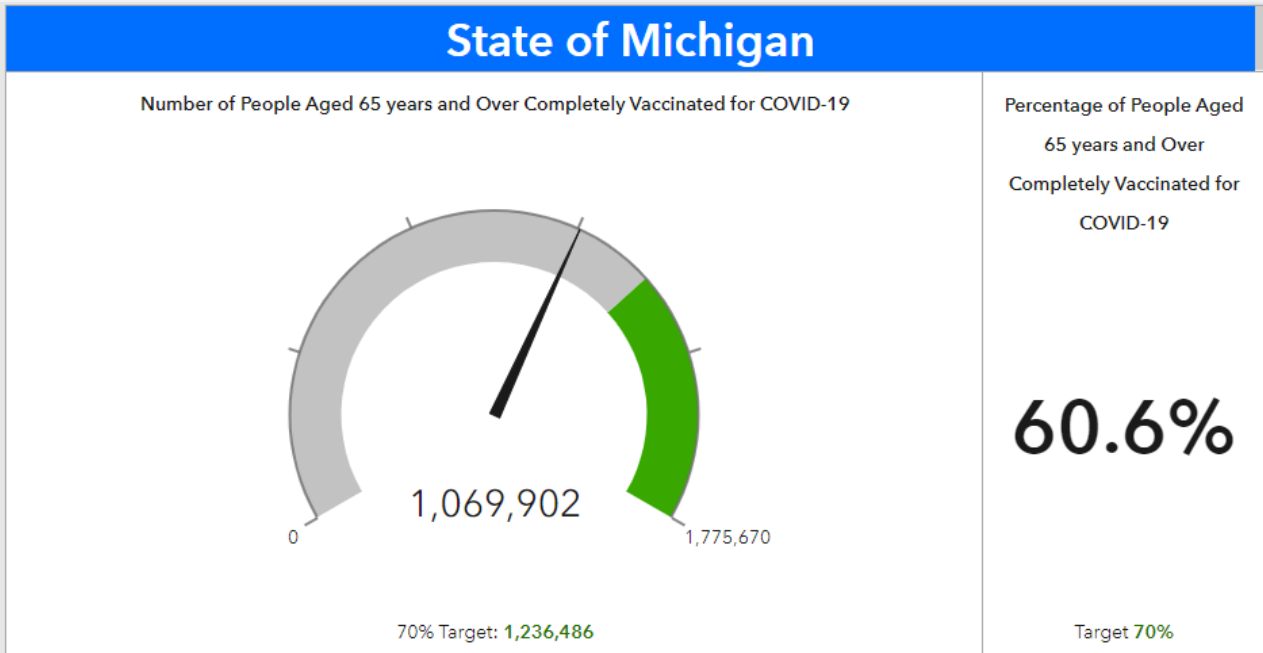
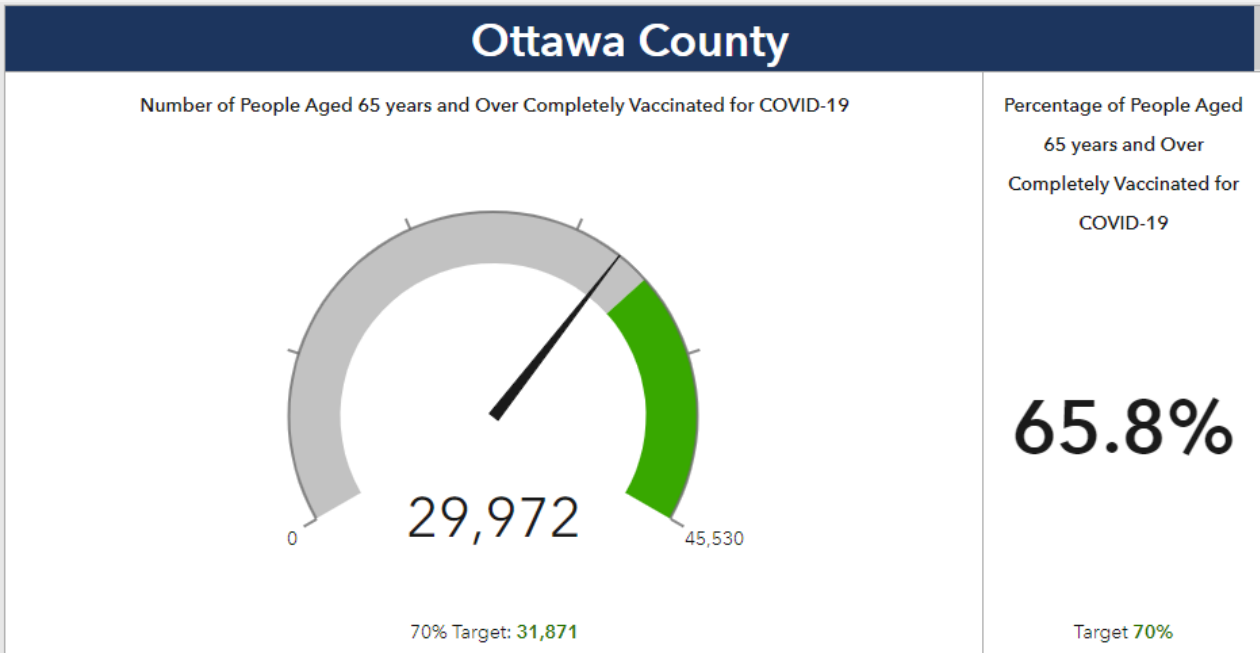
Sources: https://www.michigan.gov/coronavirus/0,9753,7-406-98178_103214_103272-547150--,00.html

<https://covid-hub-ottawacountymi.hub.arcgis.com/pages/vaccination-progress>

Data as of 4/11/21

VACCINATION PROGRESS IN OTTAWA COUNTY

Among Ottawa County Residents Aged 65+...



Goal = 70%

Includes vaccinations given to any Ottawa County resident 65+, regardless of where vaccine is obtained

Sources: https://www.michigan.gov/coronavirus/0,9753,7-406-98178_103214_103272-547150--,00.html

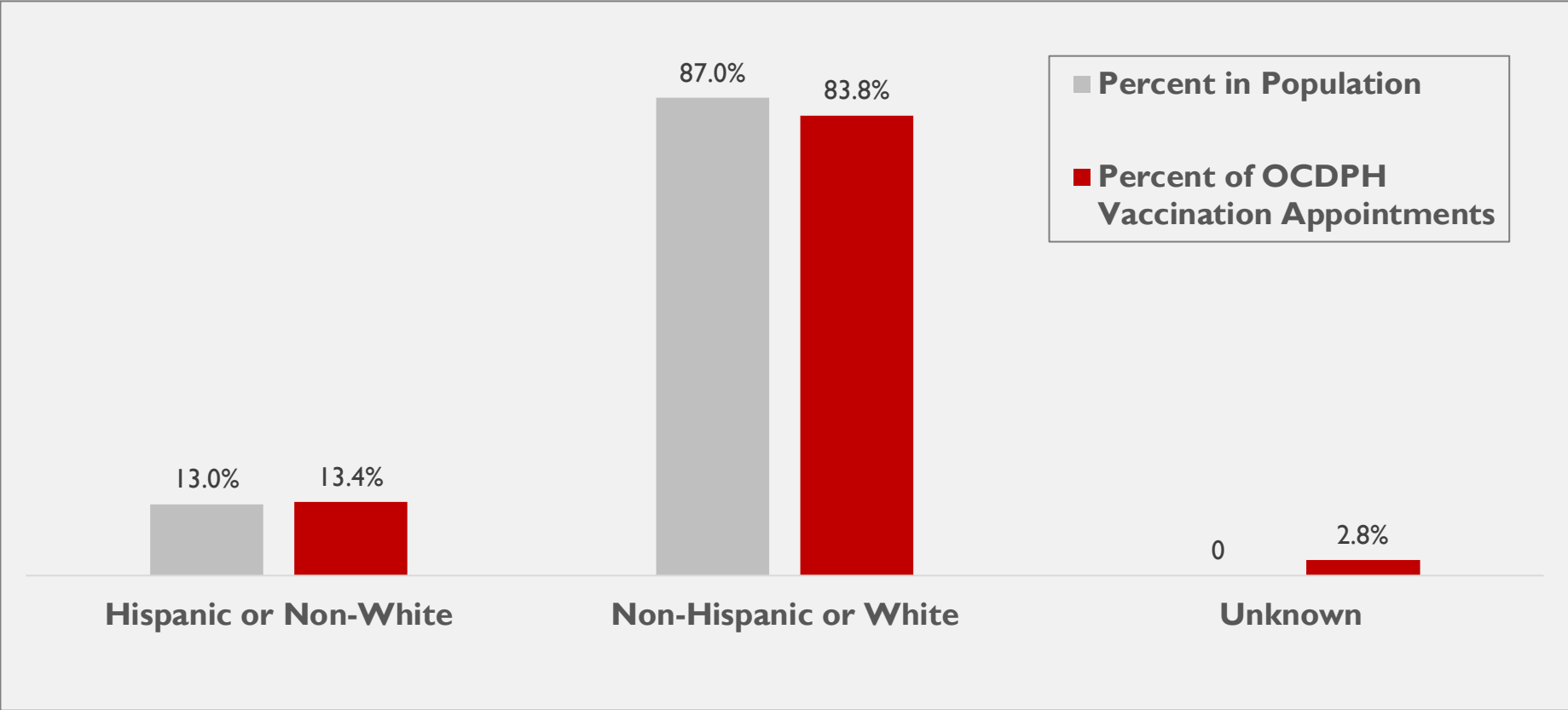
<https://covid-hub-ottawacountymi.hub.arcgis.com/pages/vaccination-progress>

Data as of 4/11/21

VACCINATION AND EQUITY – OTTAWA COUNTY

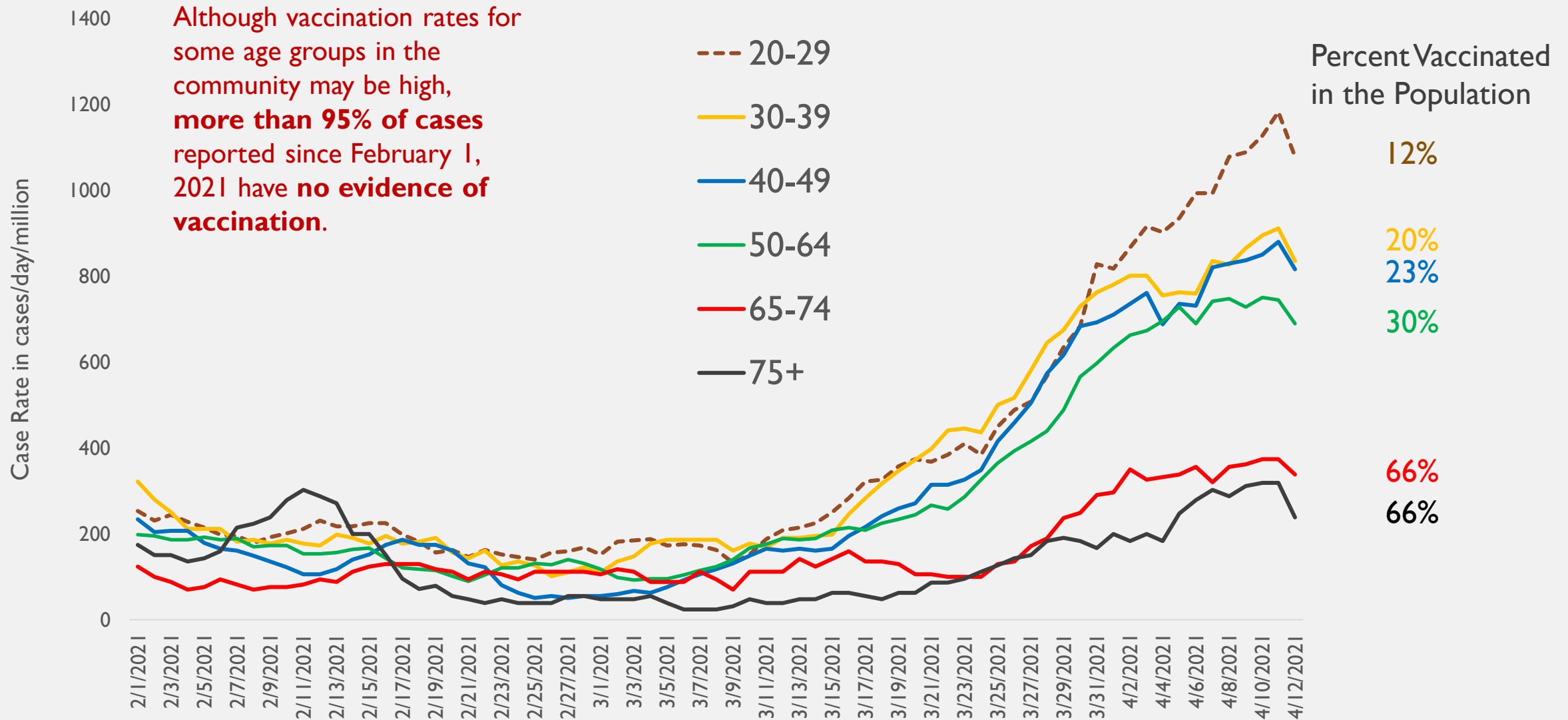
Race/Ethnicity of Persons Aged 25+ who Received COVID-19 doses at OCDPH Vaccination Clinic Appointments, December 18, 2020 through April 12, 2021

The proportion of people receiving vaccination at OCDPH clinics who are Hispanic or Non-White is about the same as the proportion in Ottawa County, suggesting that OCDPH is approaching equity.



Includes vaccinations given by OCDPH Only

VACCINE EFFECTIVENESS – CASE RATES BY AGE



OVERALL TAKEAWAYS

- We continue seeing community spread.
- Case rates and lab positivity are elevated.
- Hospital capacity remains adequate, but we are seeing an increase in the proportion of hospital beds occupied by COVID patients.
- Age groups most affected are people aged 20-29.
- Among people aged 65+ in Ottawa County, 66% are completely vaccinated.
- Among everyone currently eligible (age 16+), 29% are completely vaccinated.
- At Ottawa County Department of Public Health vaccination clinics, Non-White or Hispanic people aged 25+ are being vaccinated at about the same rate (13.4%) as their population in the County (13%).
- Highly vaccinated populations, such as persons 65+ are showing lower COVID rates, strongly suggesting that the vaccine is protecting people.