



COVID-19 *LIVE UPDATE*

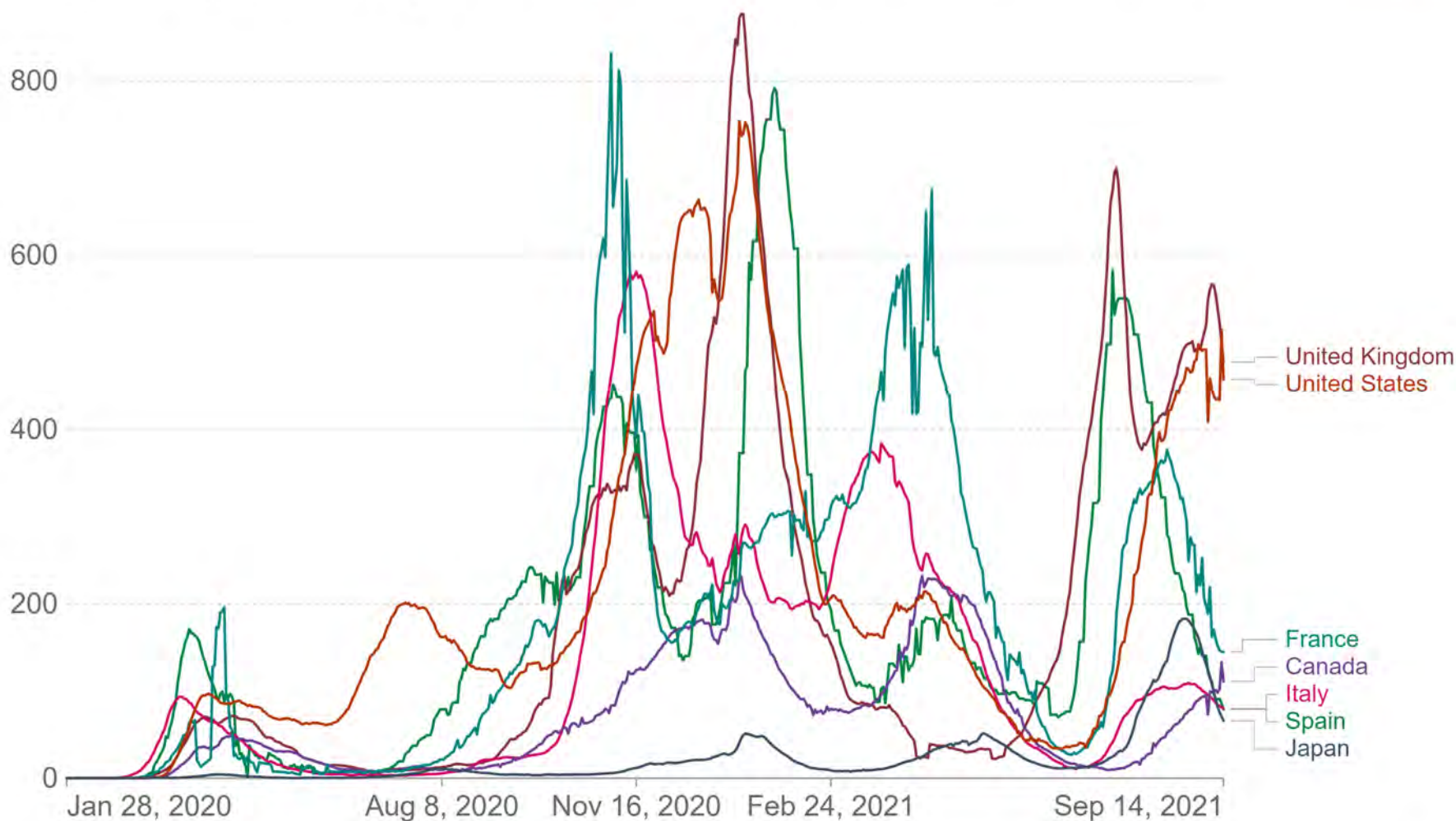
September 16, 2021

FOR UP-TO-DATE
CASE NUMBERS
VISIT
wechu.org

COVID-19 Cases in the World, Ontario, and Windsor-Essex

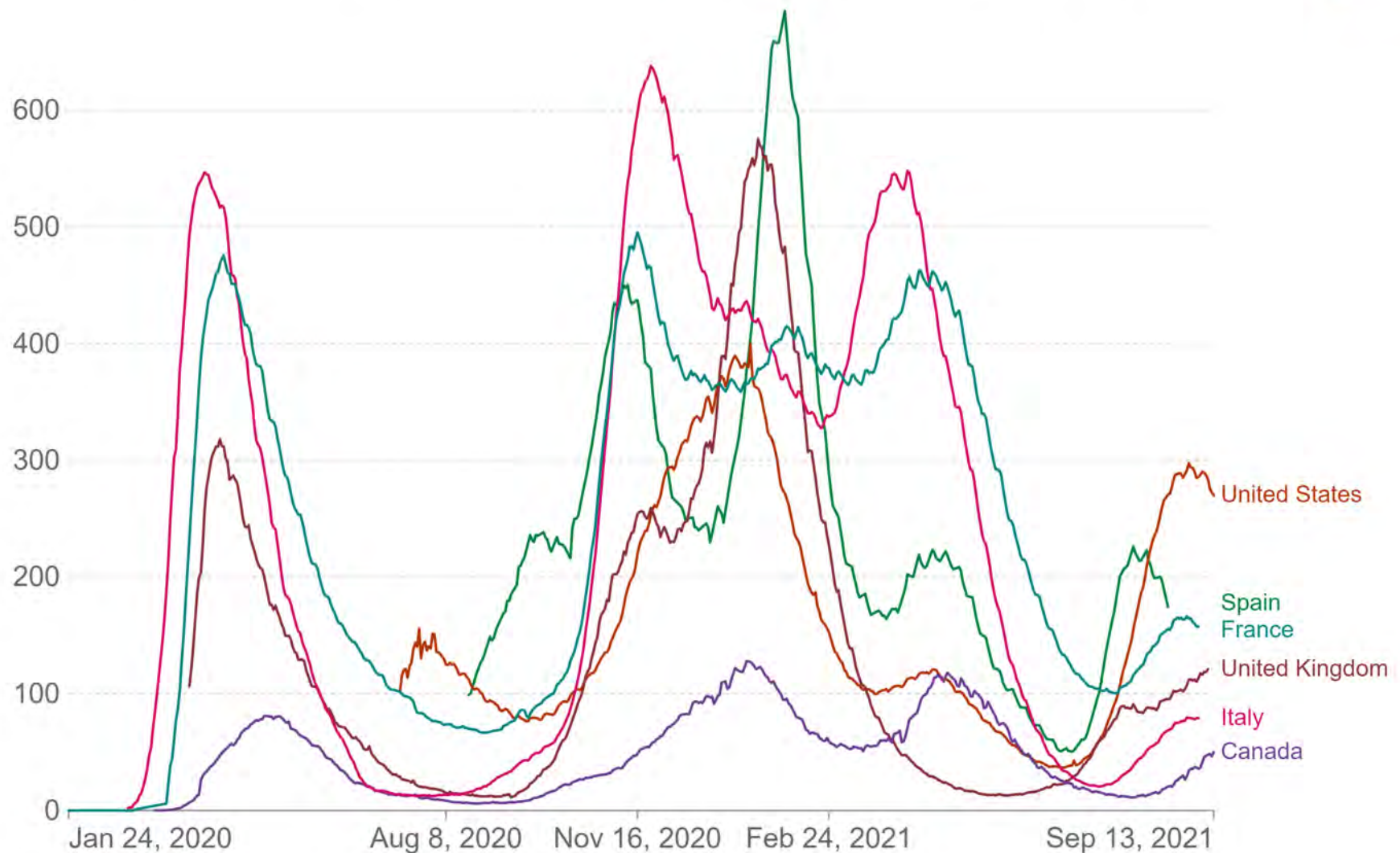
Daily new confirmed COVID-19 cases per million people

Shown is the rolling 7-day average. The number of confirmed cases is lower than the number of actual cases; the main reason for that is limited testing.



Number of COVID-19 patients in hospital per million people

Our World
in Data



Source: Official data collated by Our World in Data

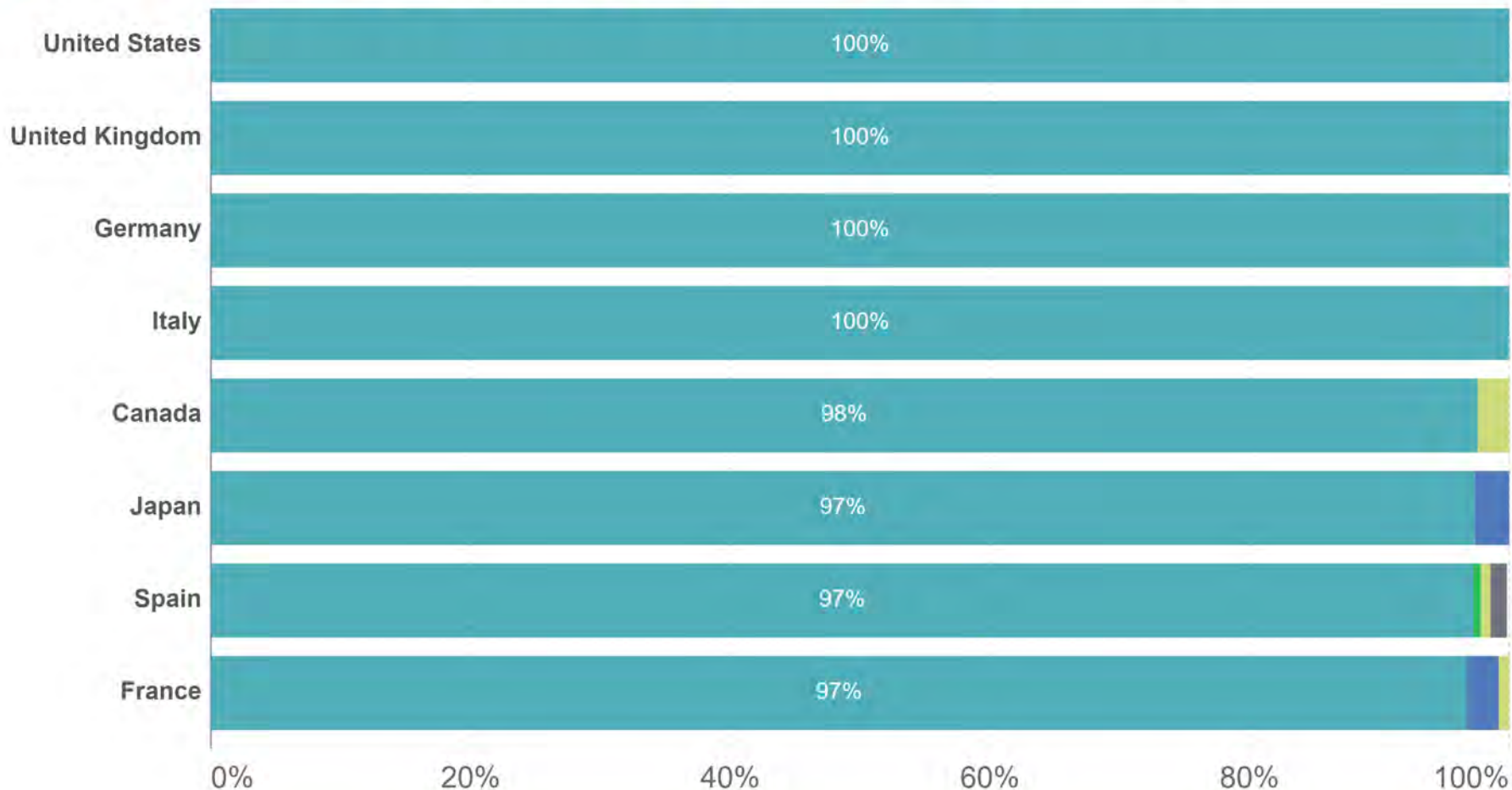
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SARS-CoV-2 sequences by variant

The share of analyzed sequences in the last two weeks that correspond to each variant group. This share may not reflect the complete breakdown of cases since only a fraction of all cases are sequenced.

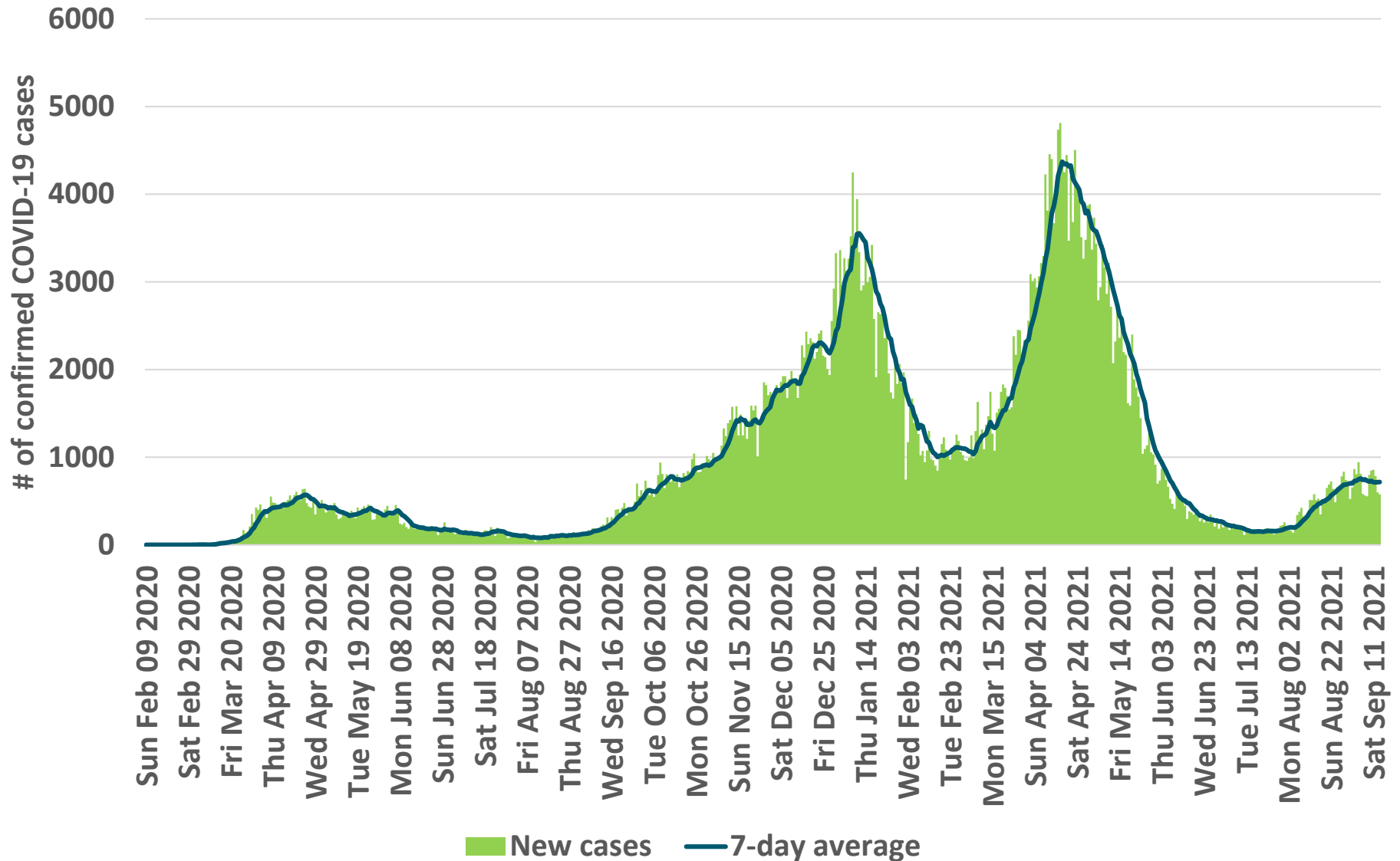
Delta Alpha Eta Iota Epsilon Beta Gamma Kappa Lambda Others



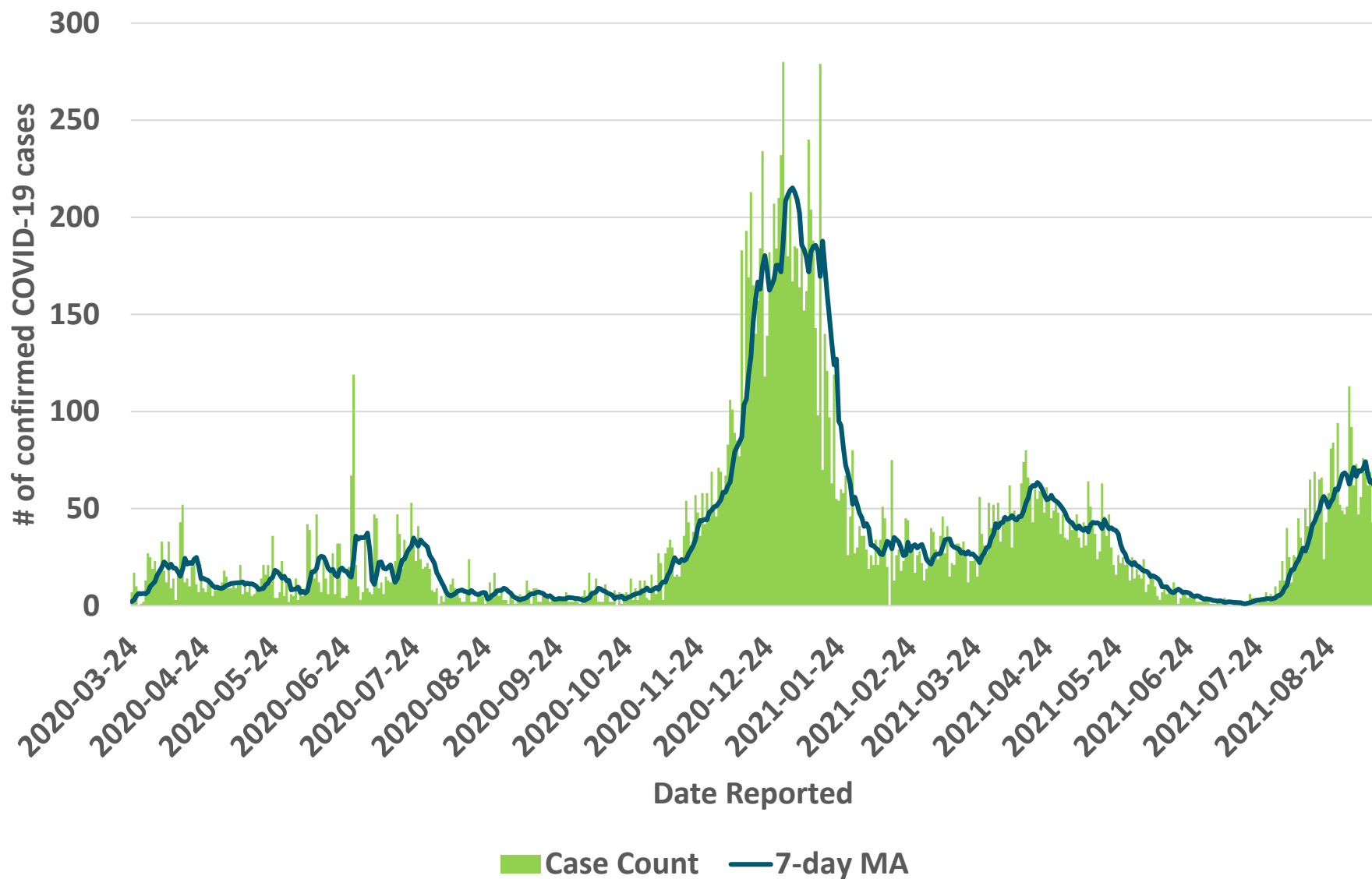
Source: CoVariants.org and GISAID

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Number of Cases in Ontario (Daily New cases and 7-day average)

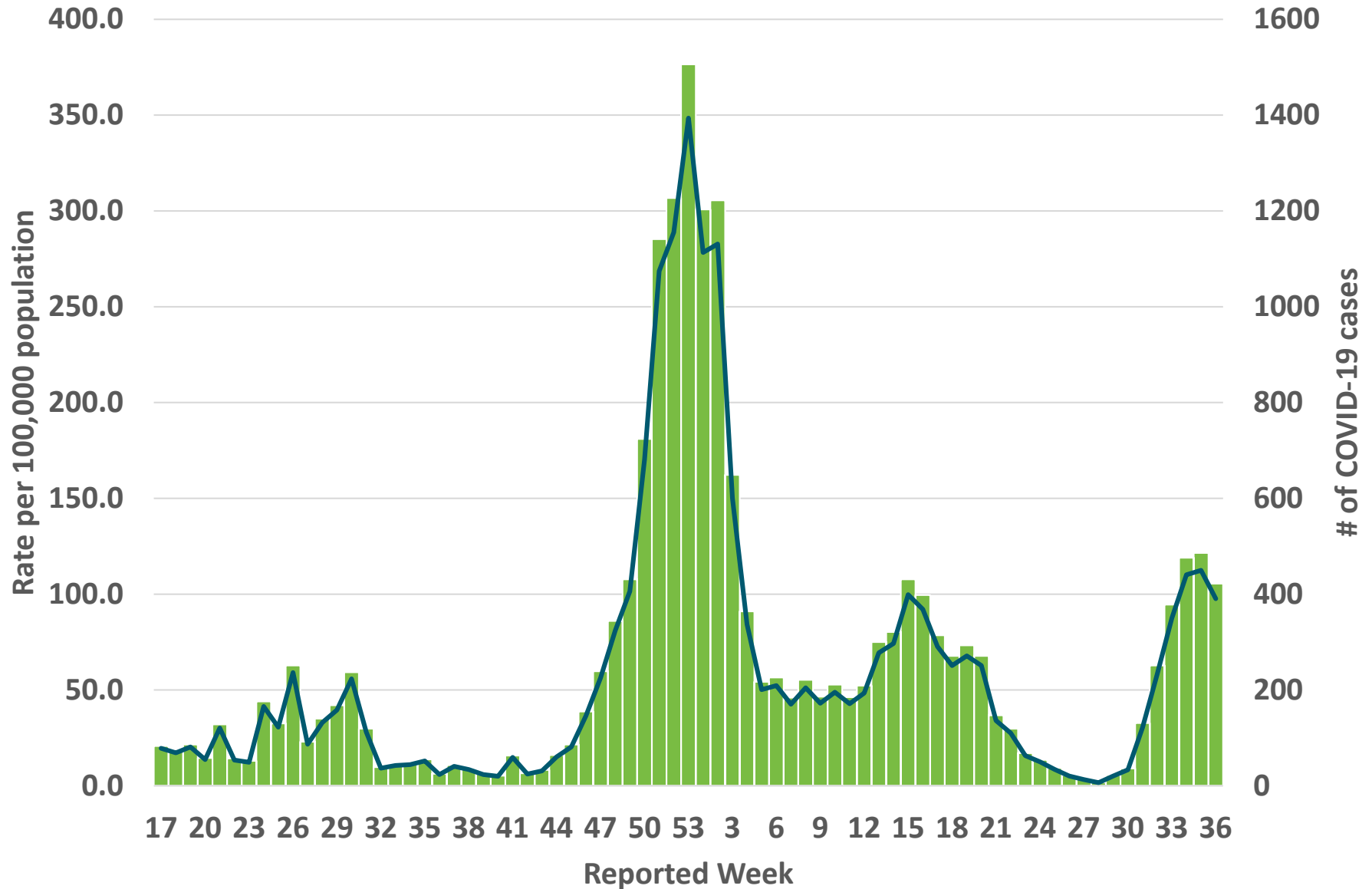


Epidemic Curve by Reported Date in Windsor-Essex



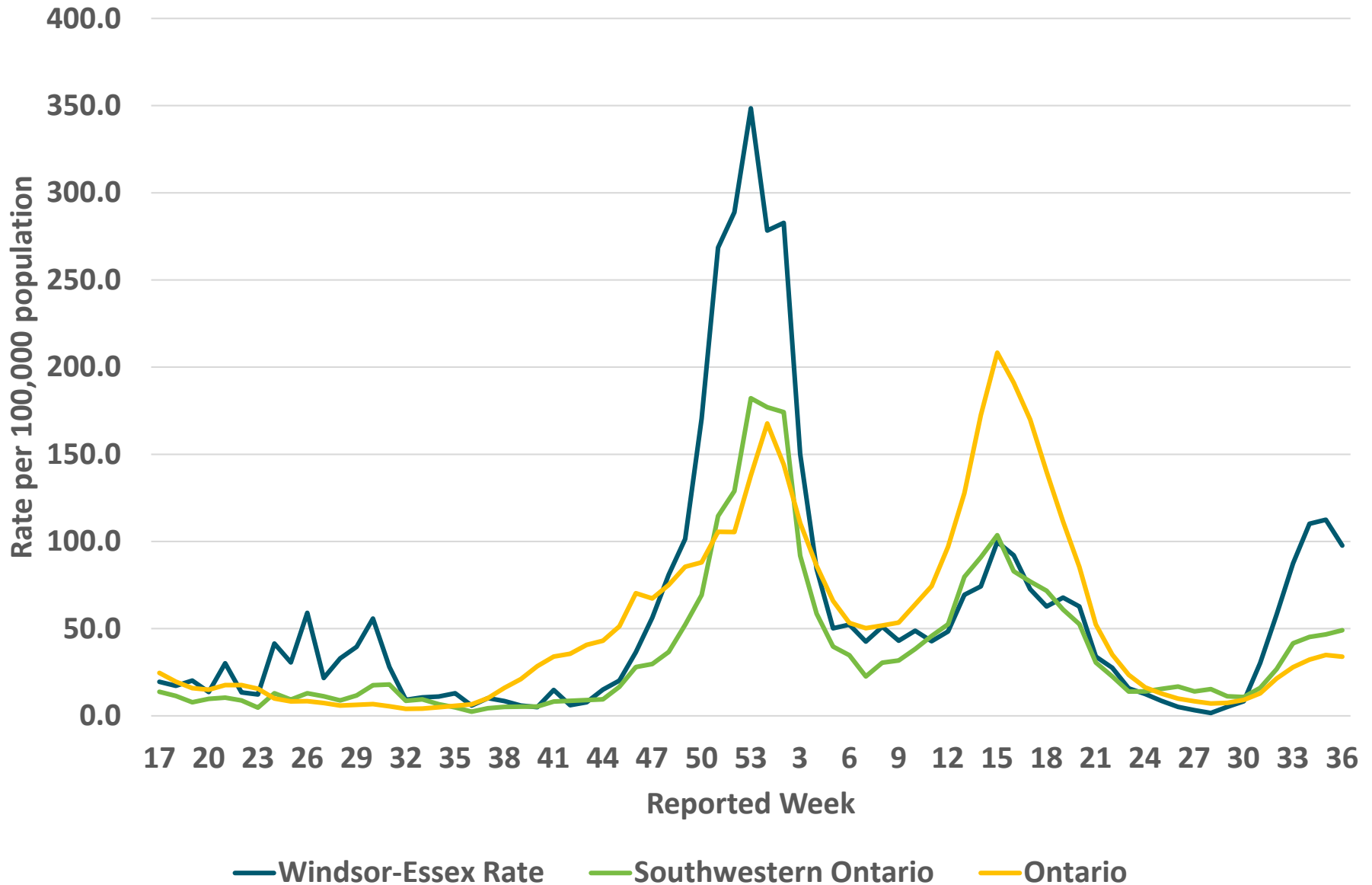
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Windsor-Essex Rate by Reported Week



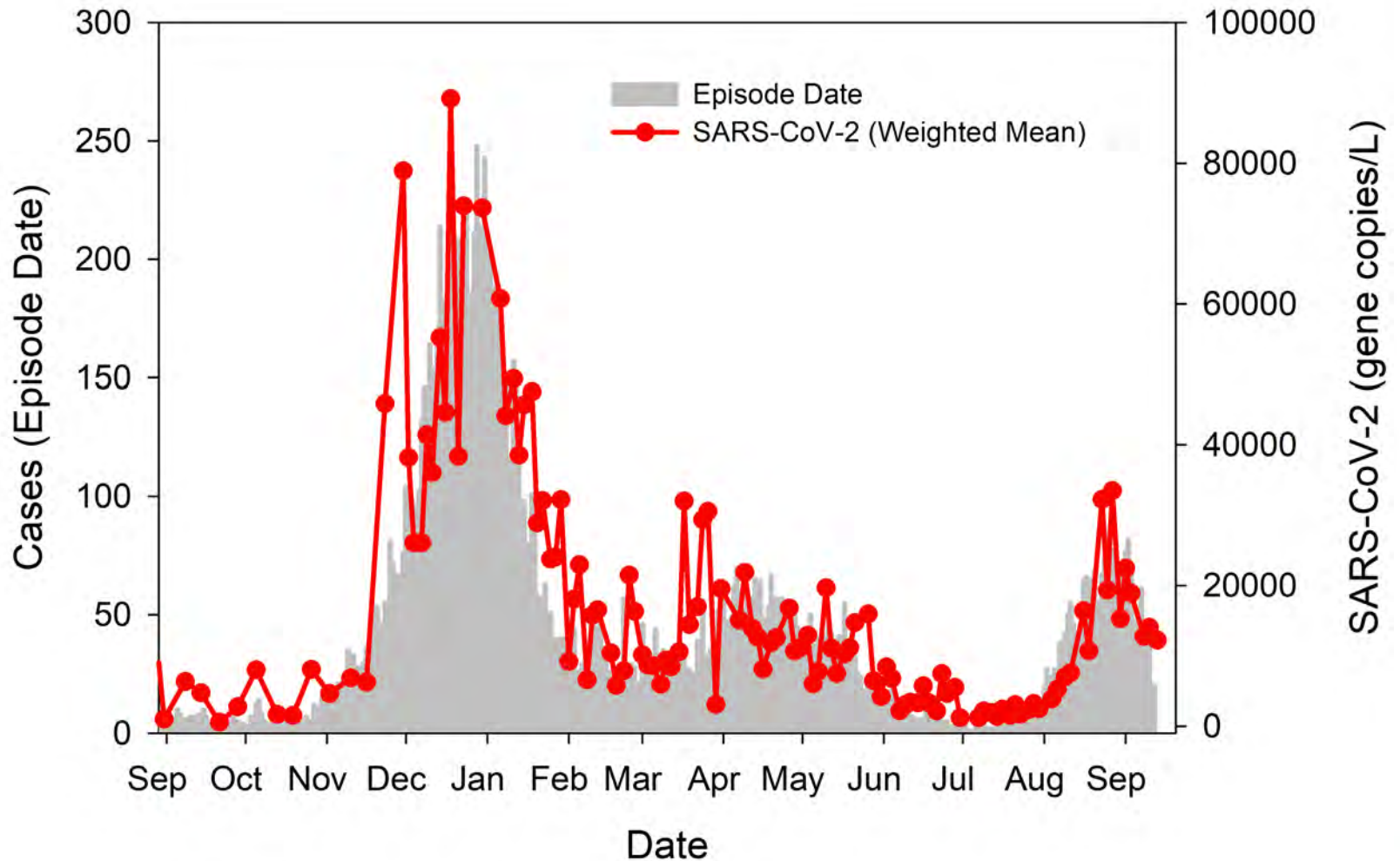
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Weekly Comparison of Rates in Ontario



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Windsor-Essex Wastewater Data



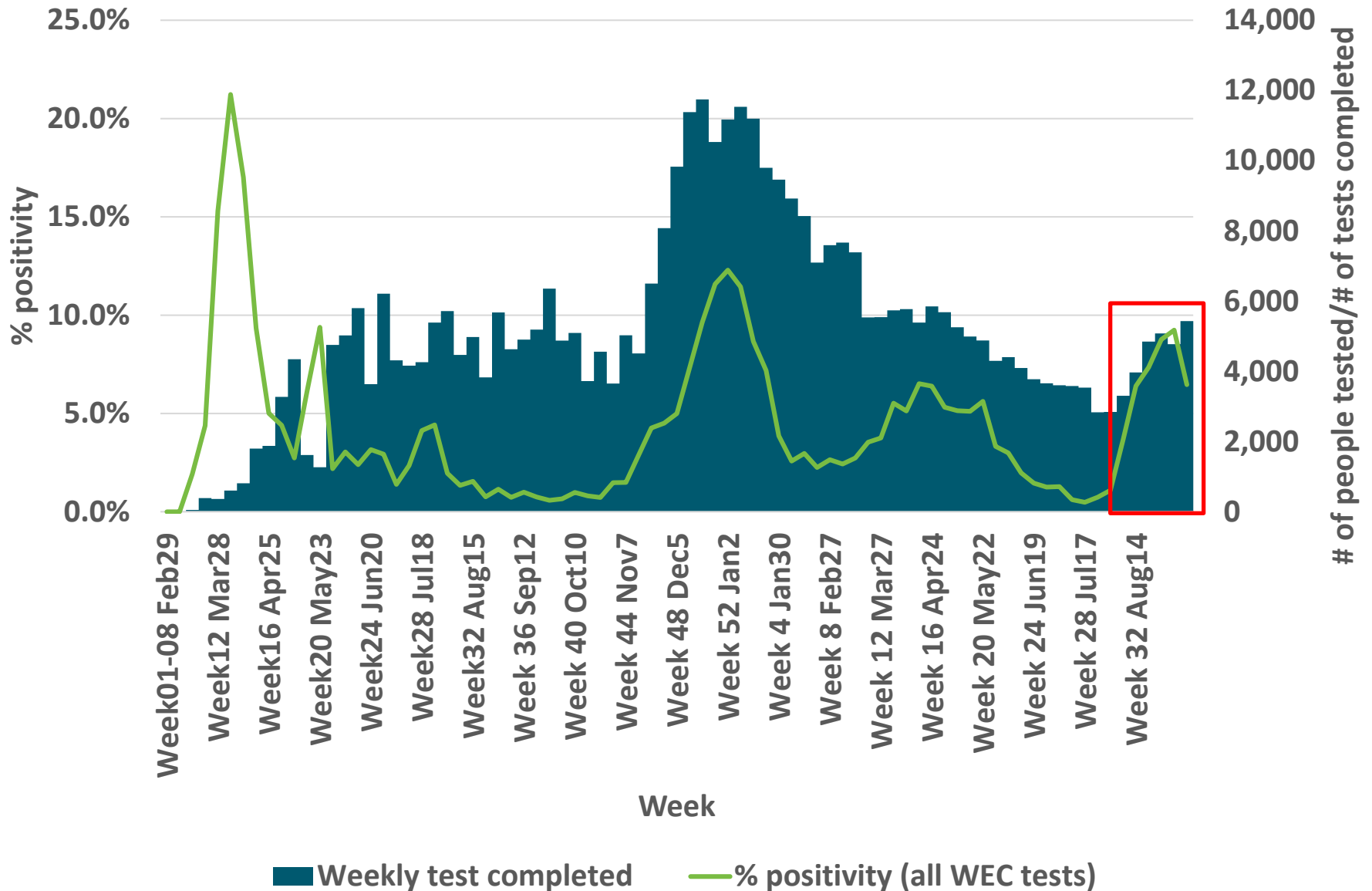
GLIER
GREAT LAKES INSTITUTE FOR
ENVIRONMENTAL RESEARCH
at the University of Windsor



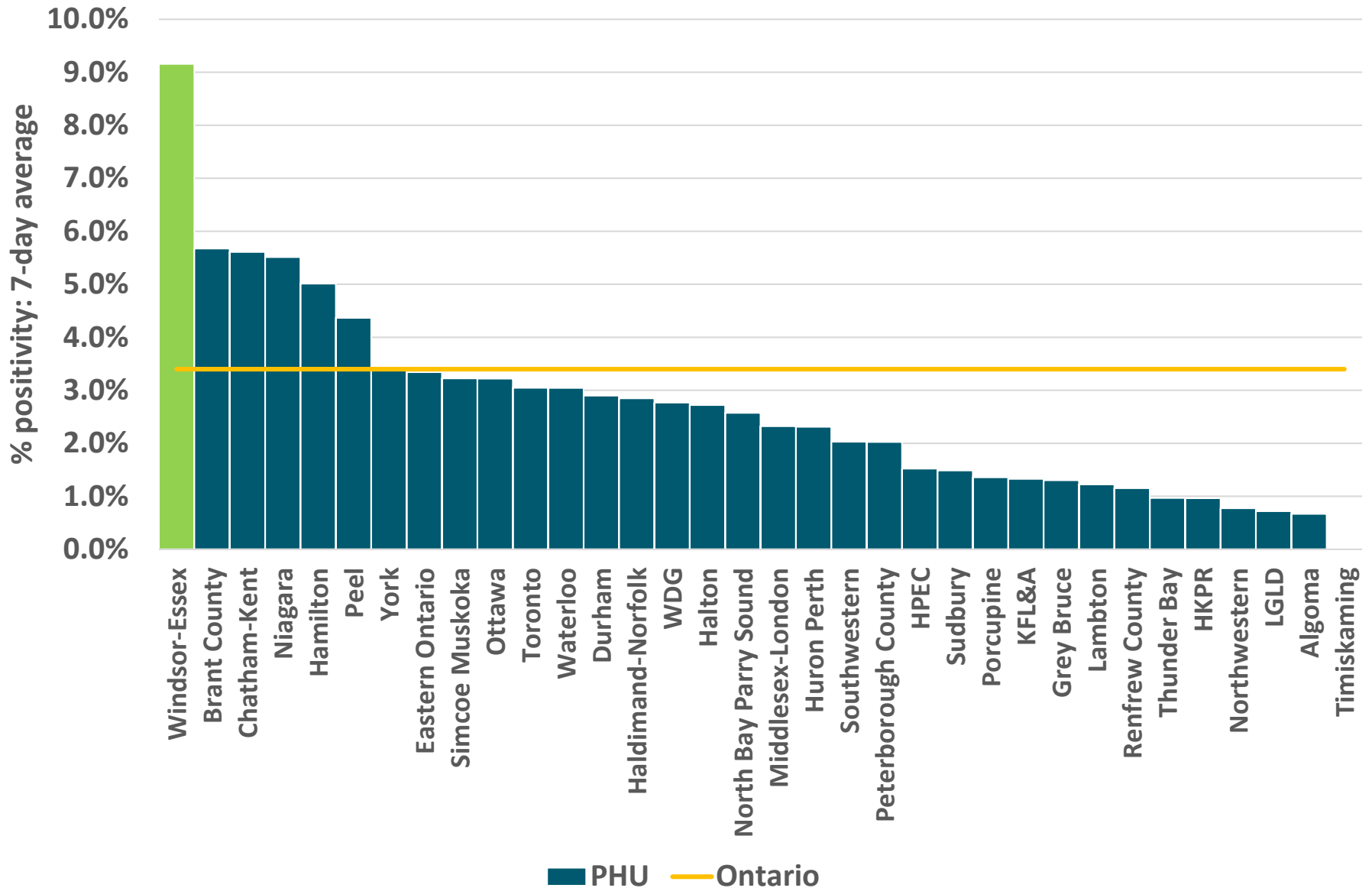
University
of Windsor

uwindsor.ca/GLIER

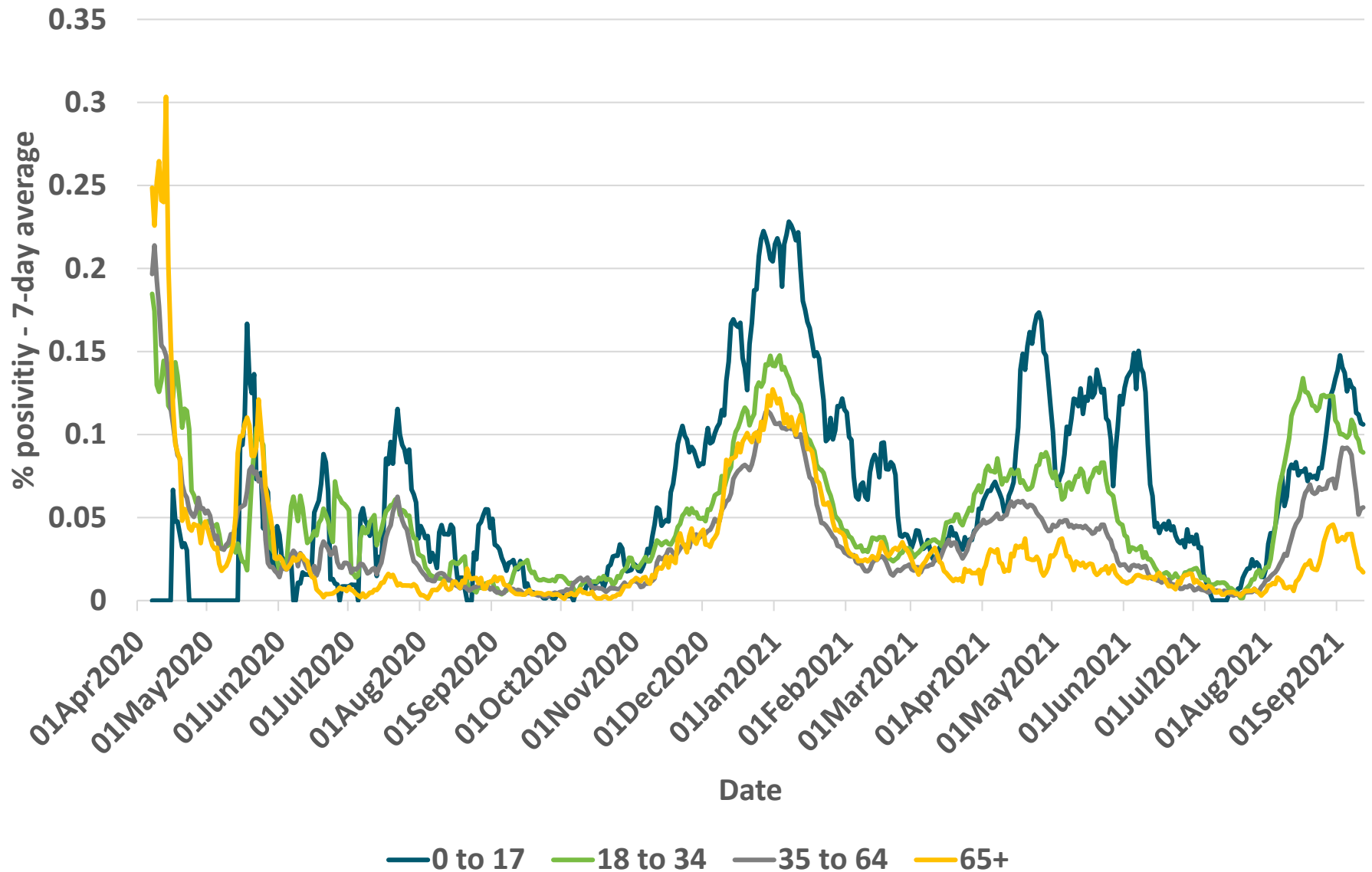
Percent Positivity by Week by All Tests



% Positivity in Ontario: 7-Day Average

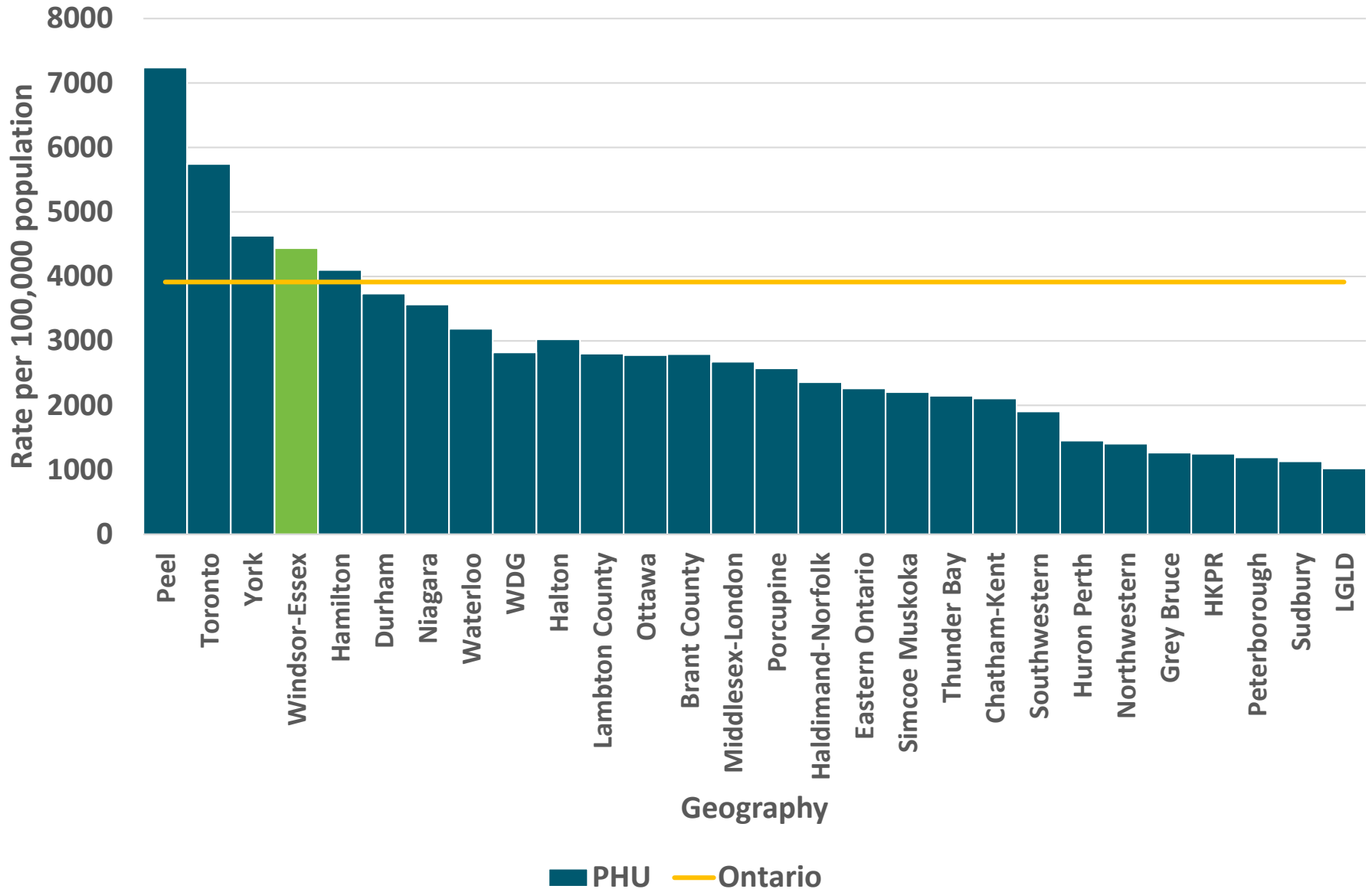


% Positivity in Windsor-Essex by Age: 7-Day Average

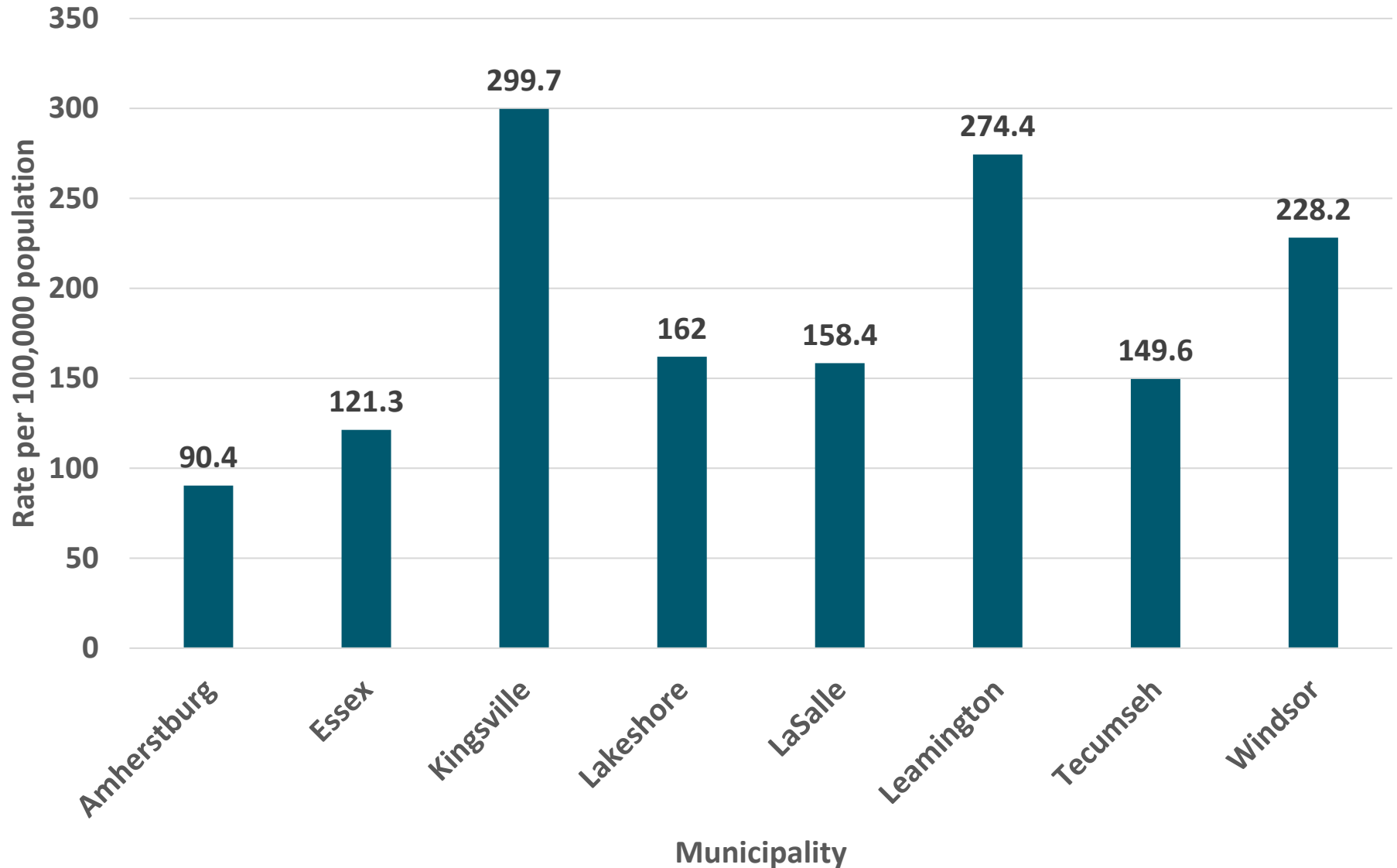


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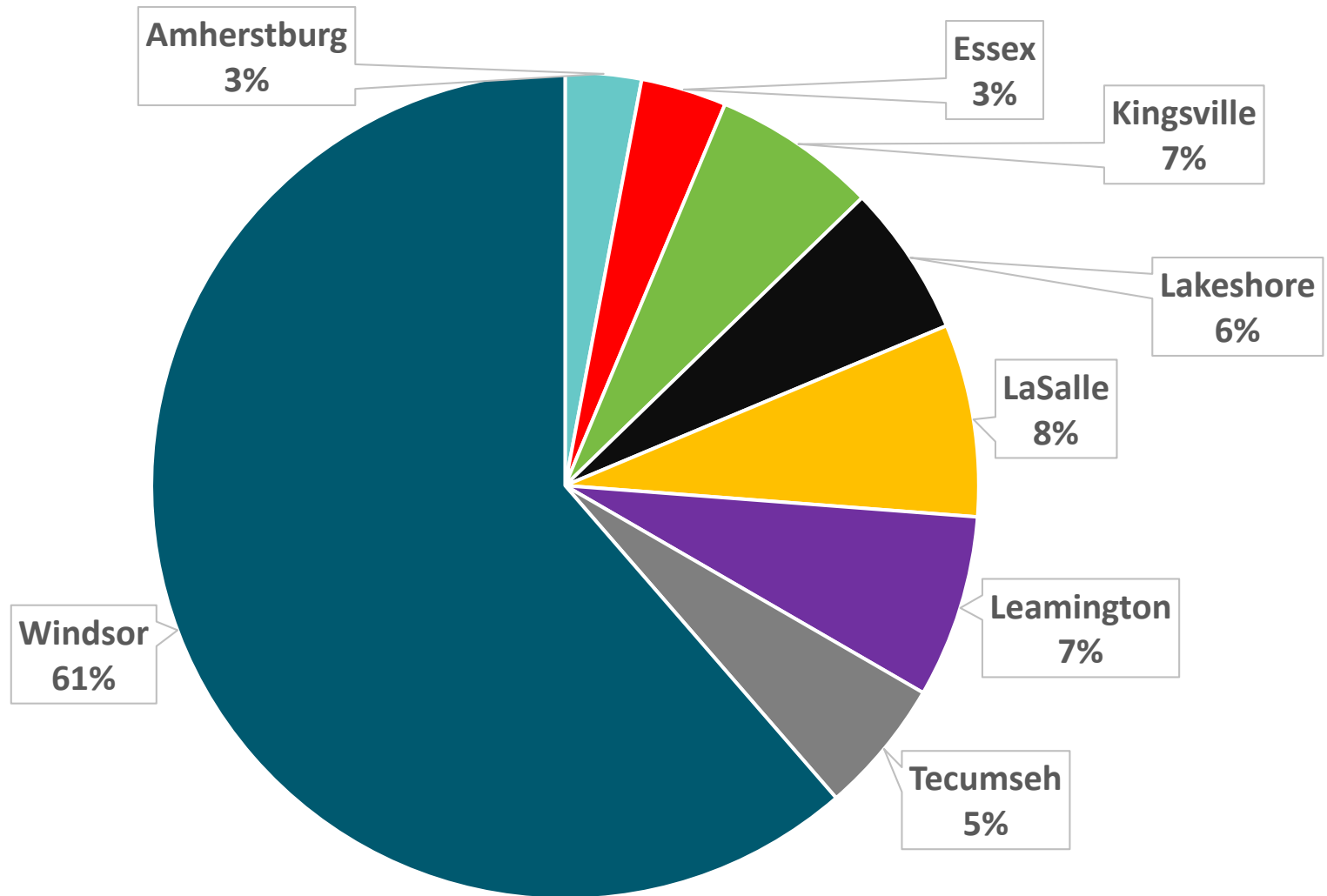
Cumulative Regional & Provincial Rates



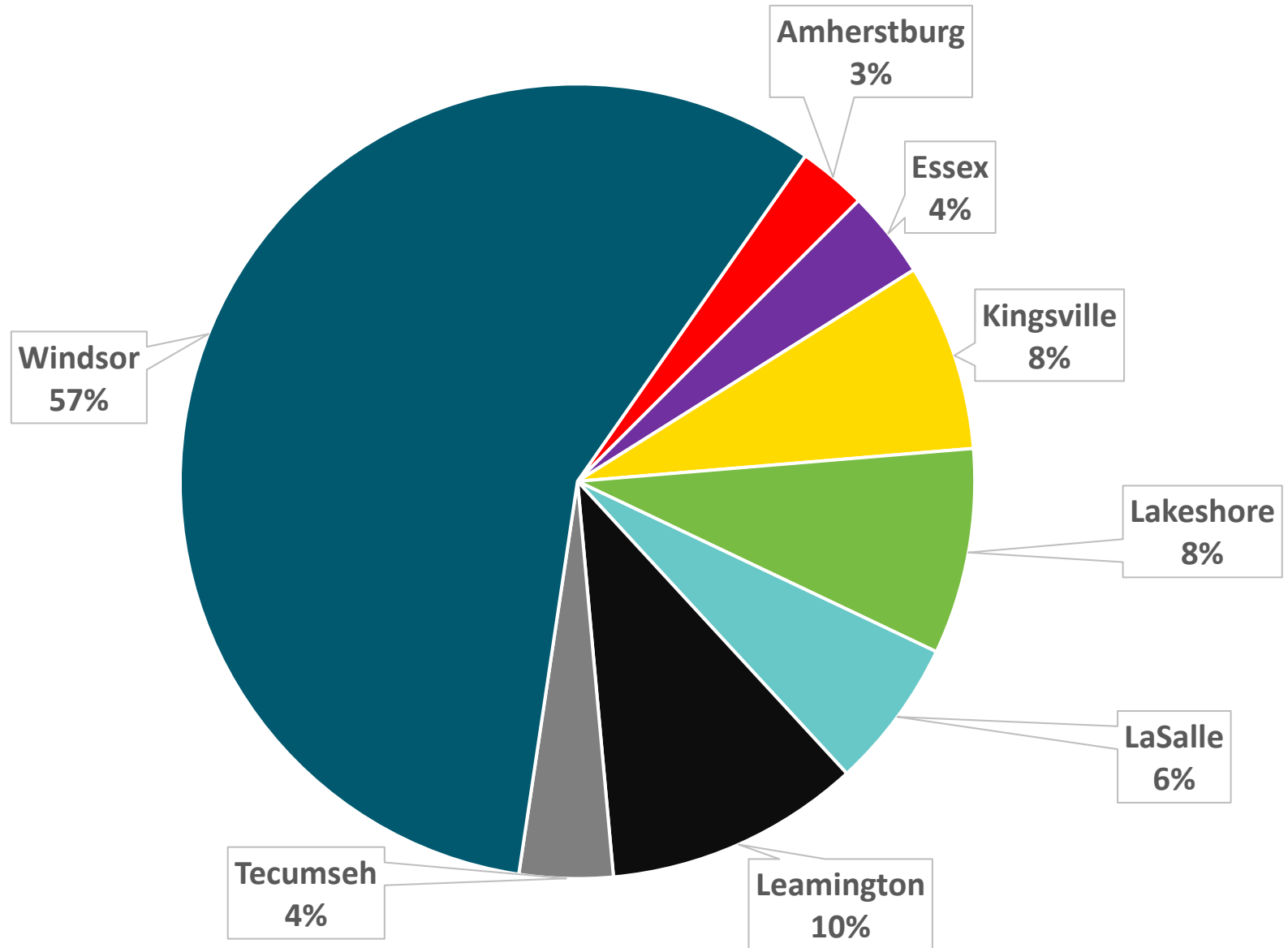
Rate per 100,000 by Municipality (September to Present)



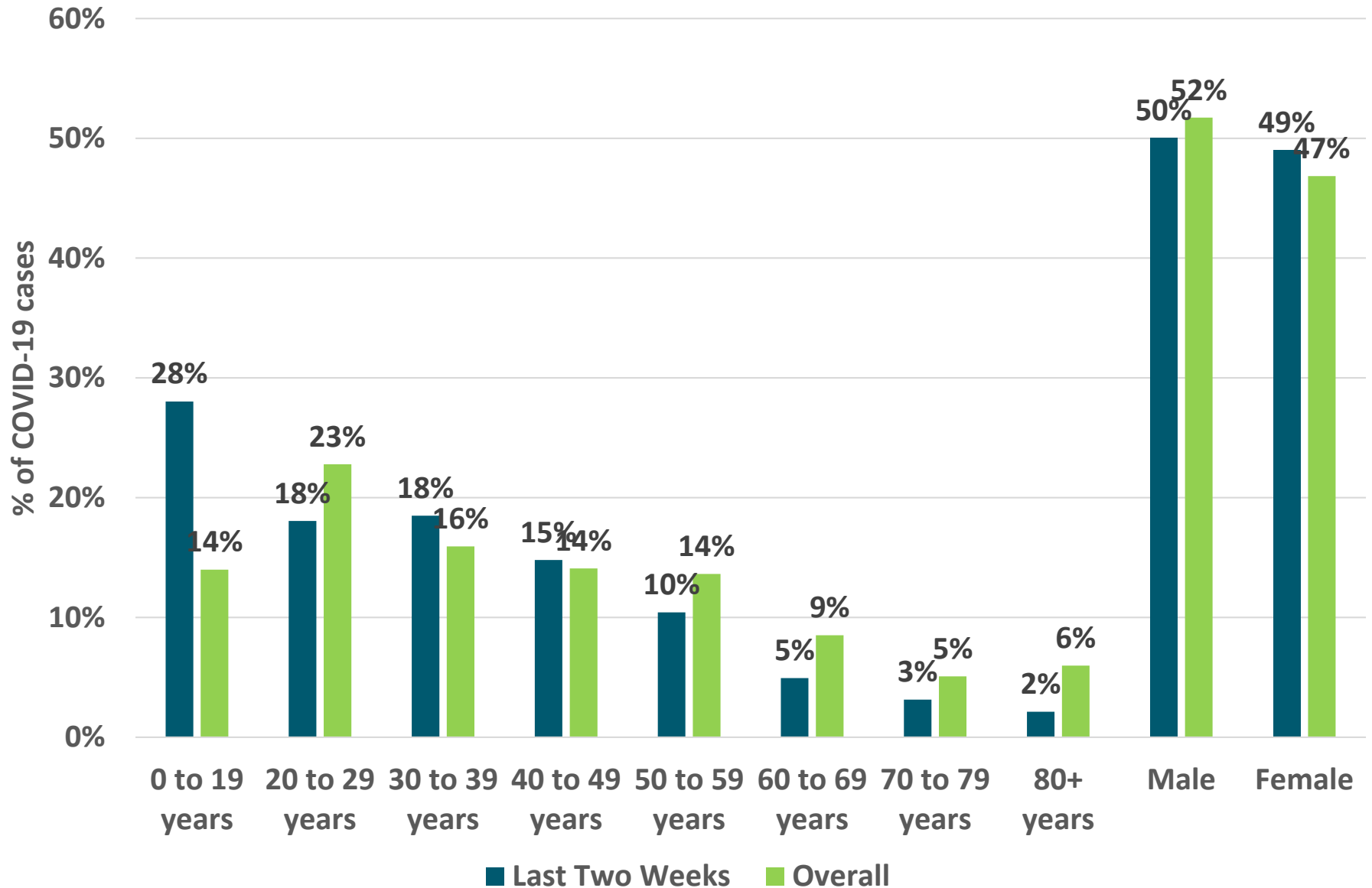
Distribution of COVID-19 Cases by Municipality in last 30 days (August 16 to September 14)



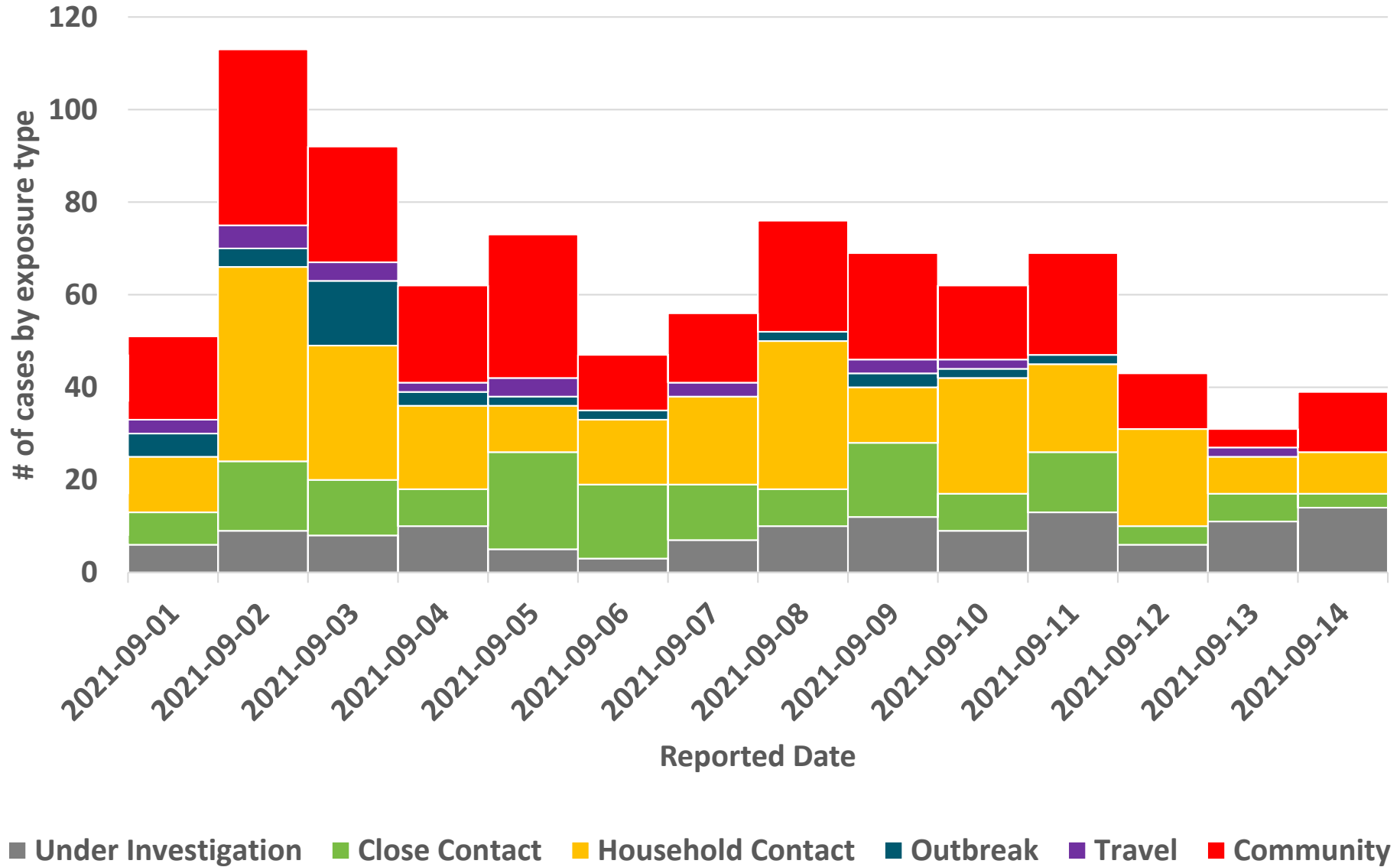
Distribution of COVID-19 Cases by Municipality in last 7 days (September 8 to September 14)



Age & Sex Distribution

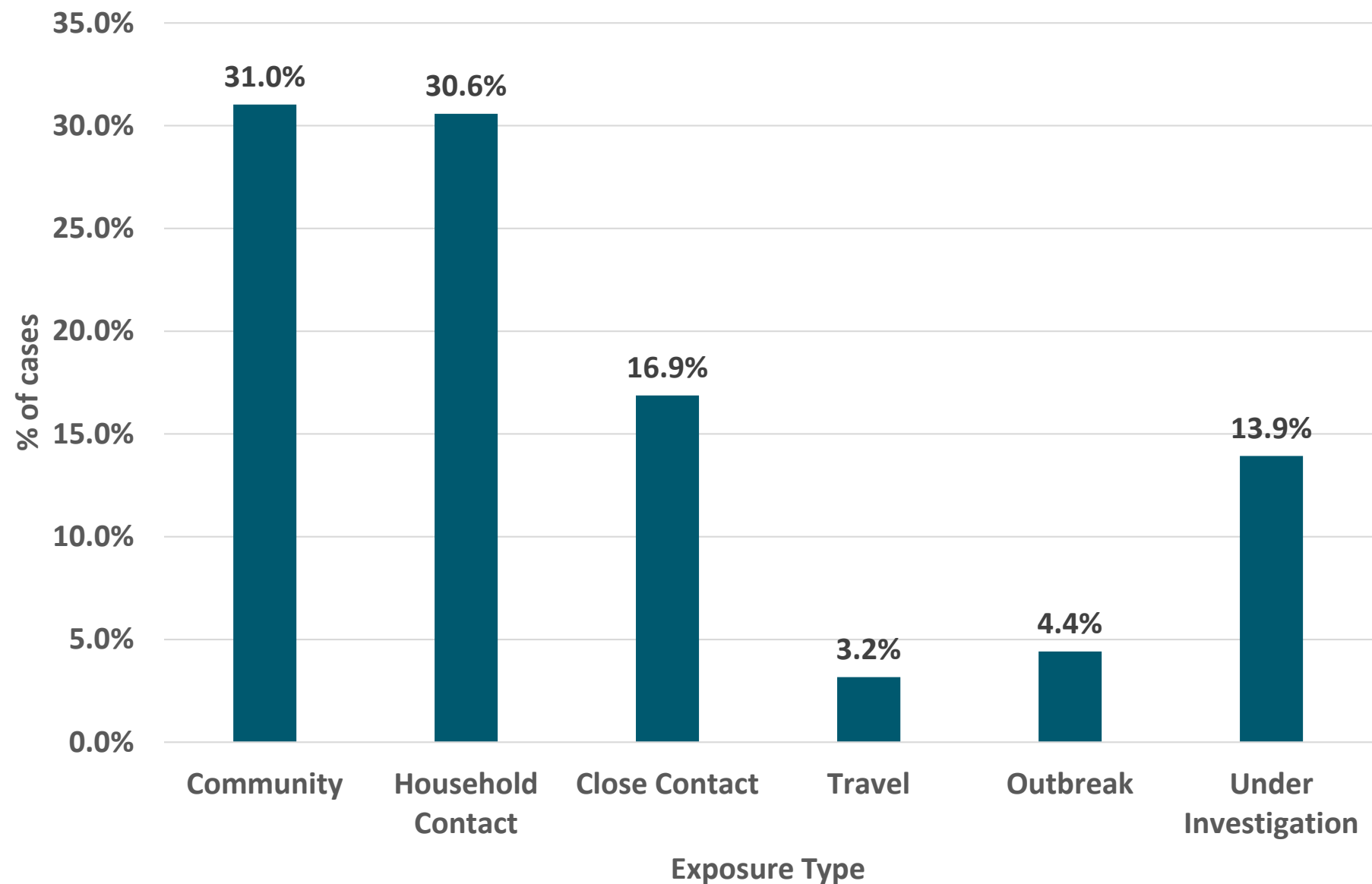


Exposure History by Reported Date (September to Present)

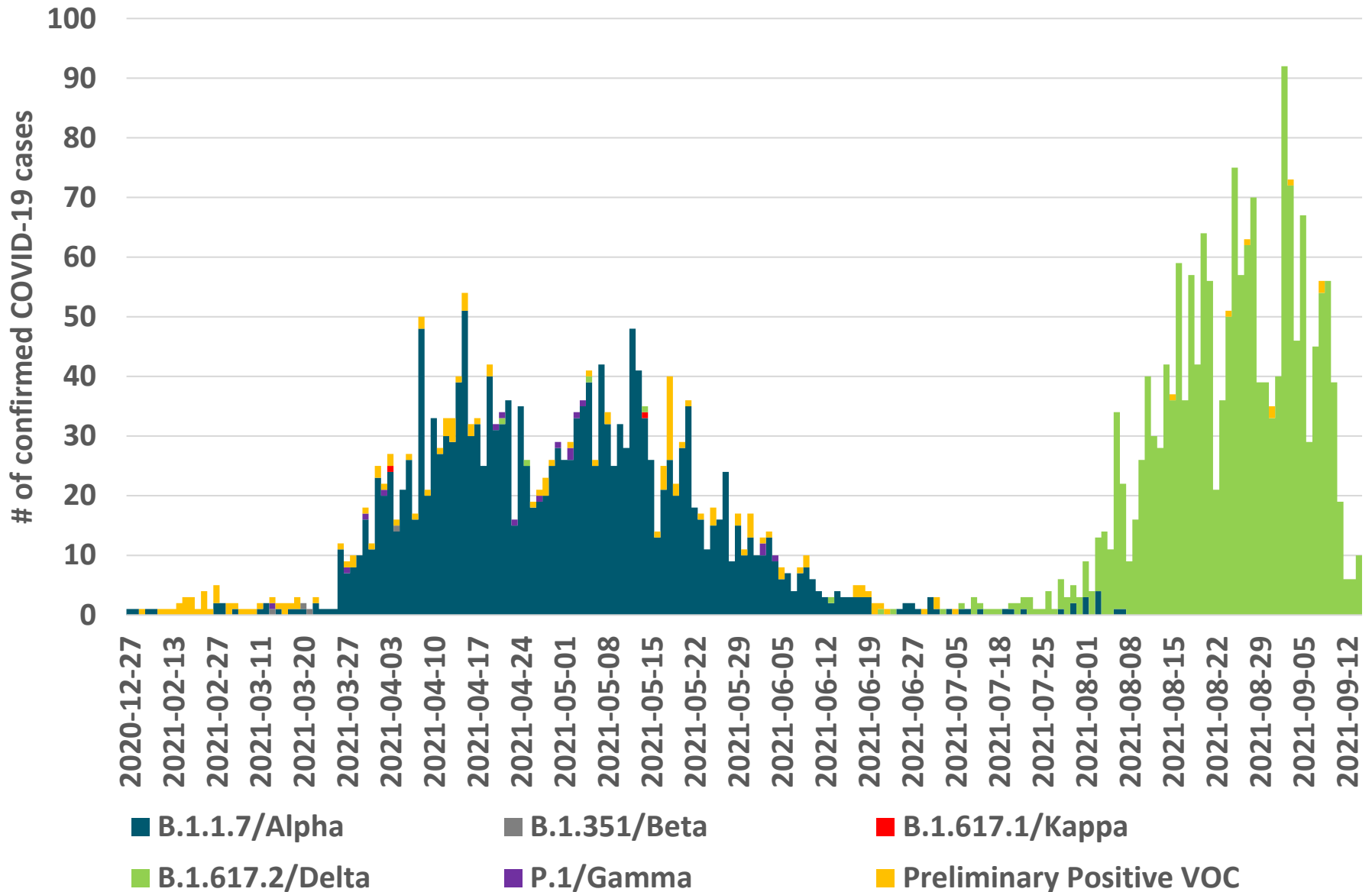


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Source of Acquisition (September to Present)

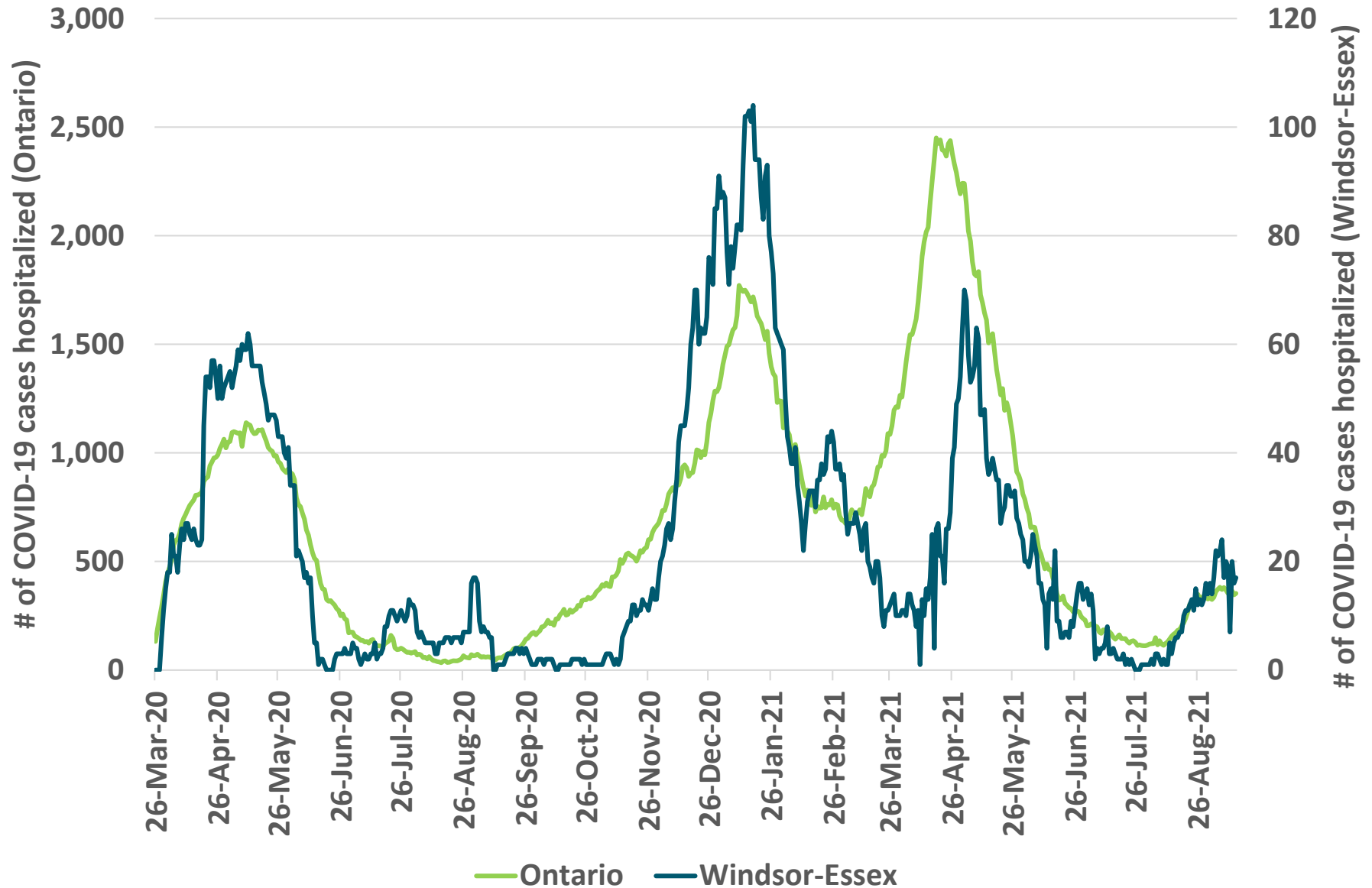


Variants of Concern by Date



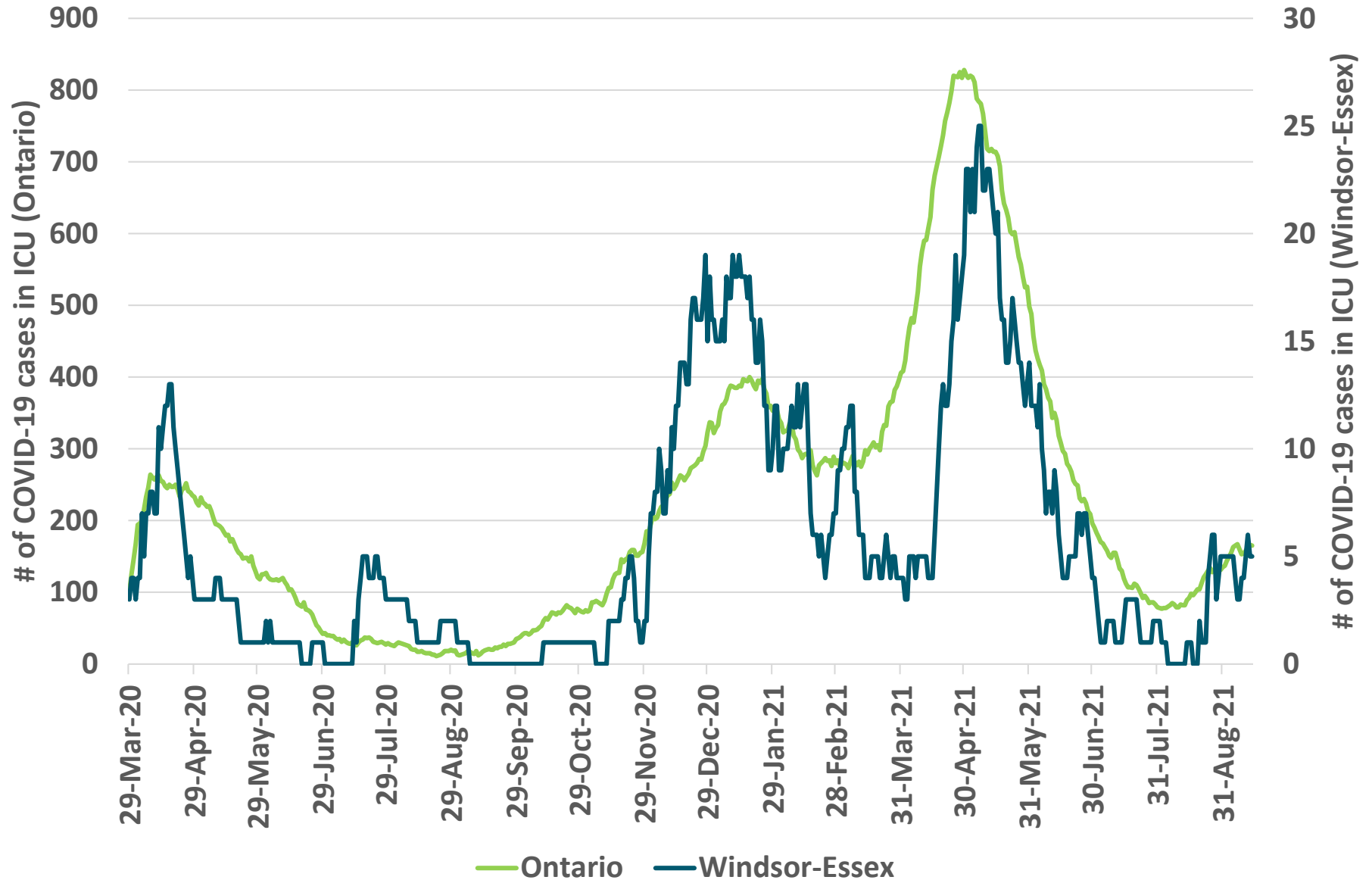
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COVID-19 In-Patient Hospitalizations

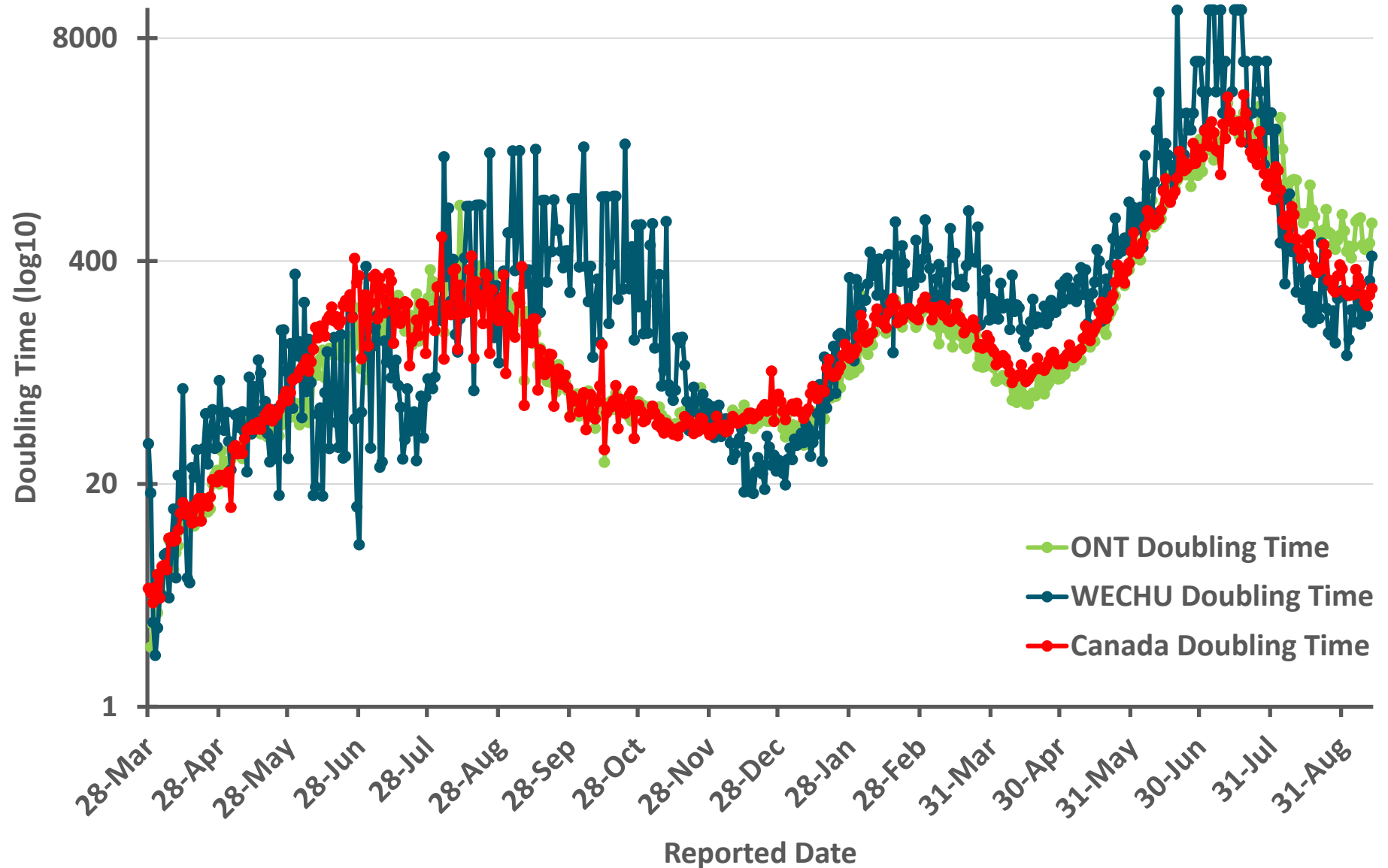


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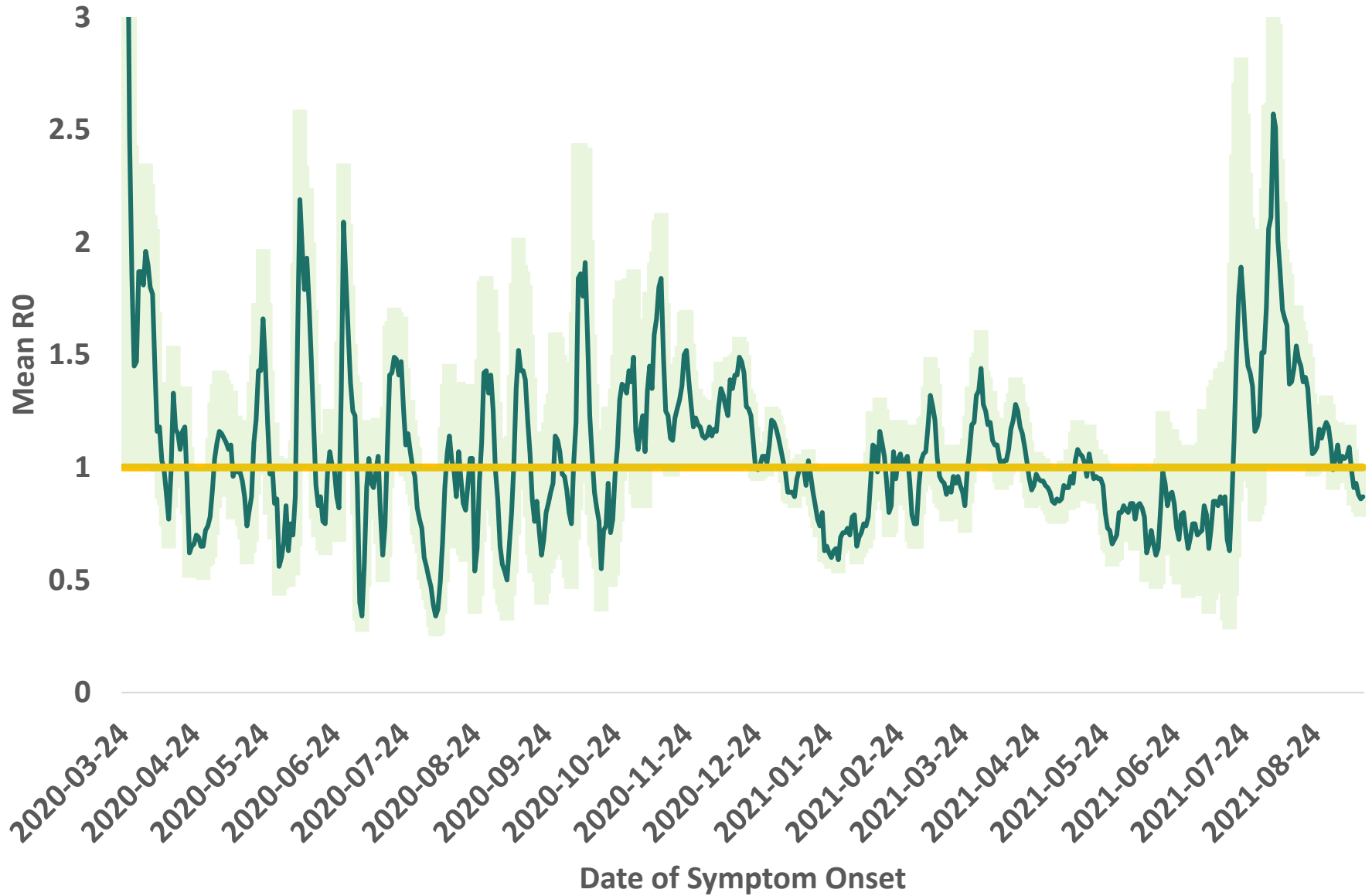
COVID-19 ICU



Doubling Time (Day over Day Comparison)



Median R0 (Effective)

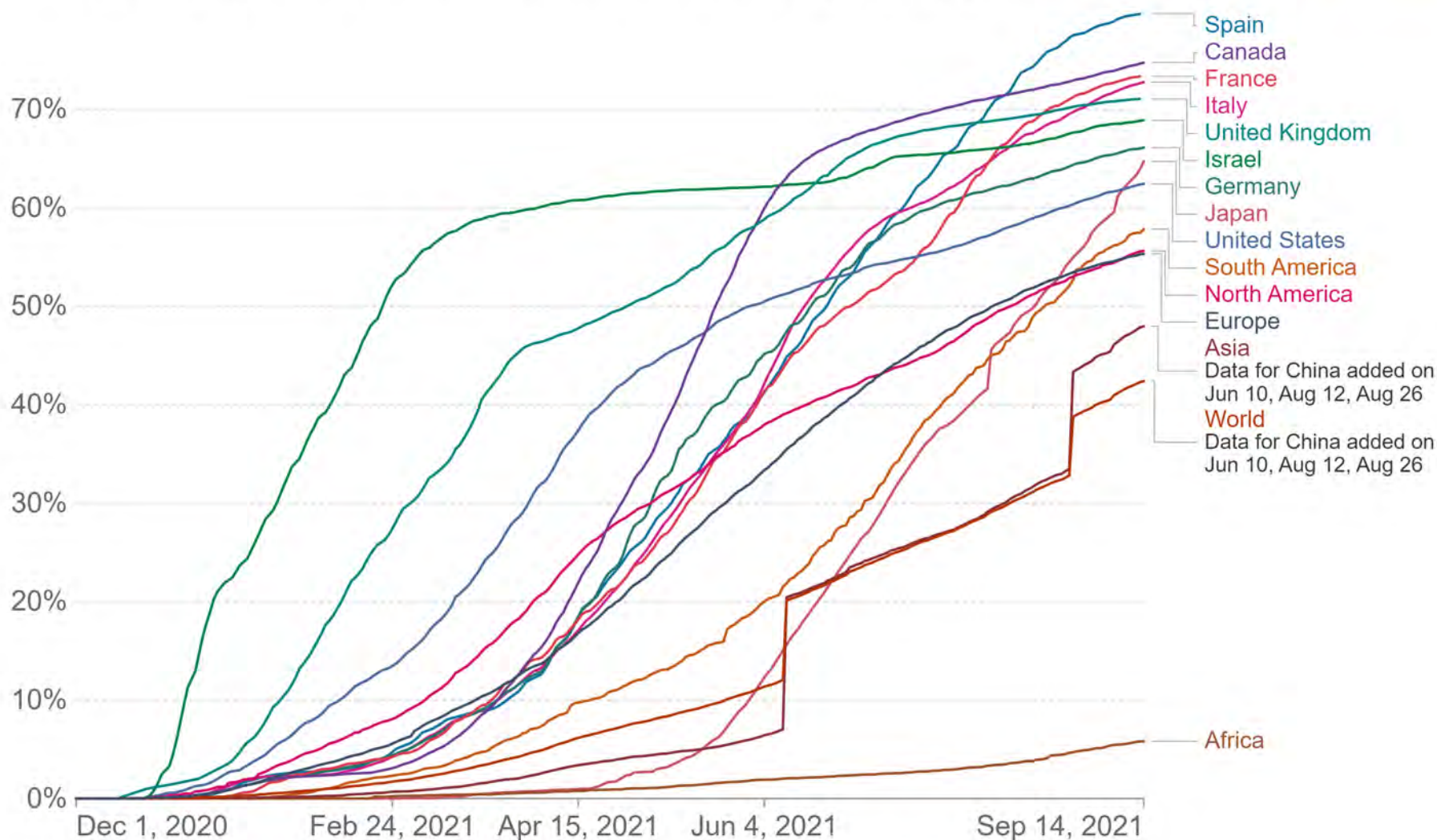


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COVID-19 Vaccine Status

Share of people who received at least one dose of COVID-19 vaccine

Total number of people who received at least one vaccine dose, divided by the total population of the country.

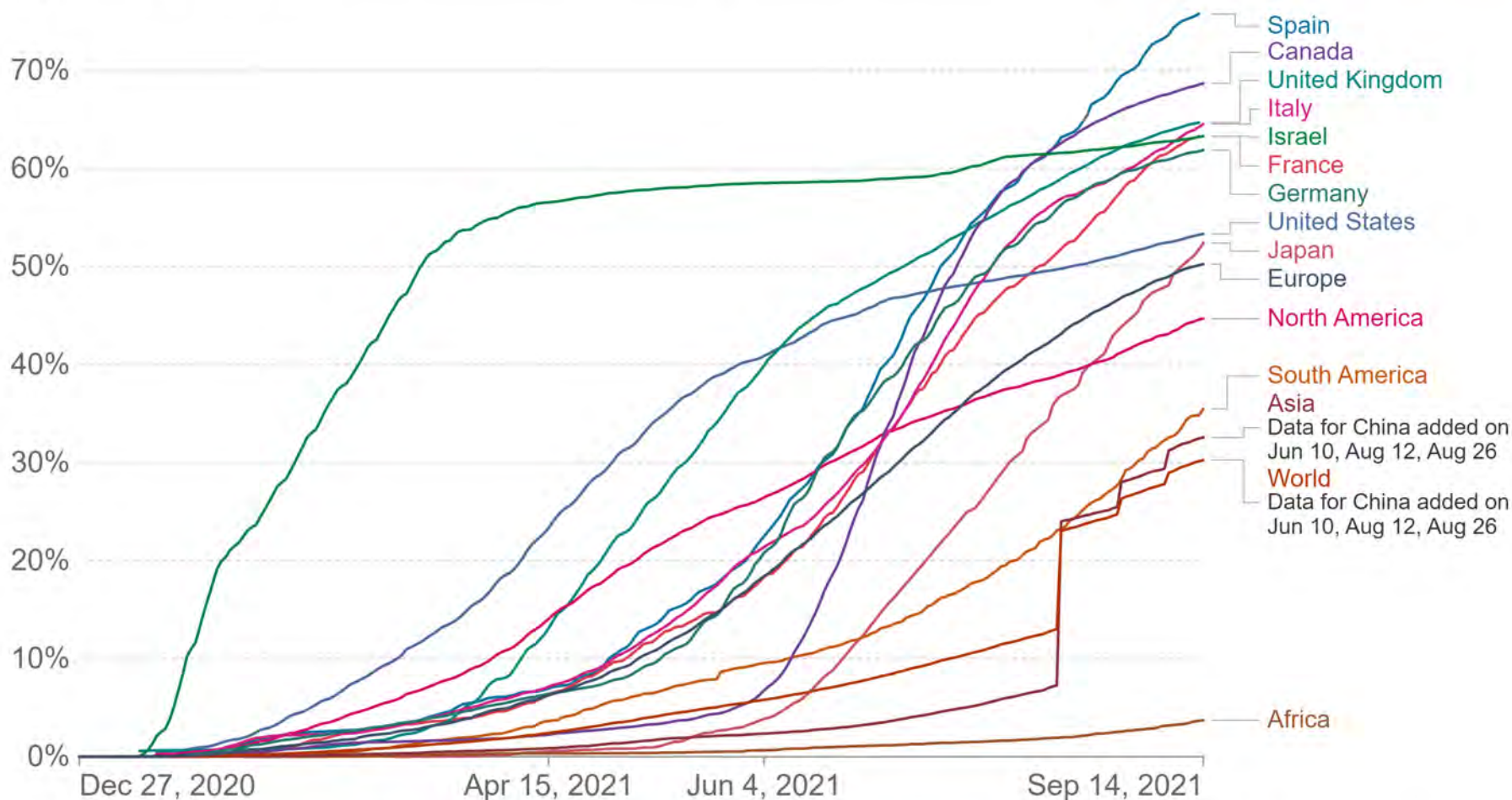


Source: Official data collated by Our World in Data.

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Share of the population fully vaccinated against COVID-19

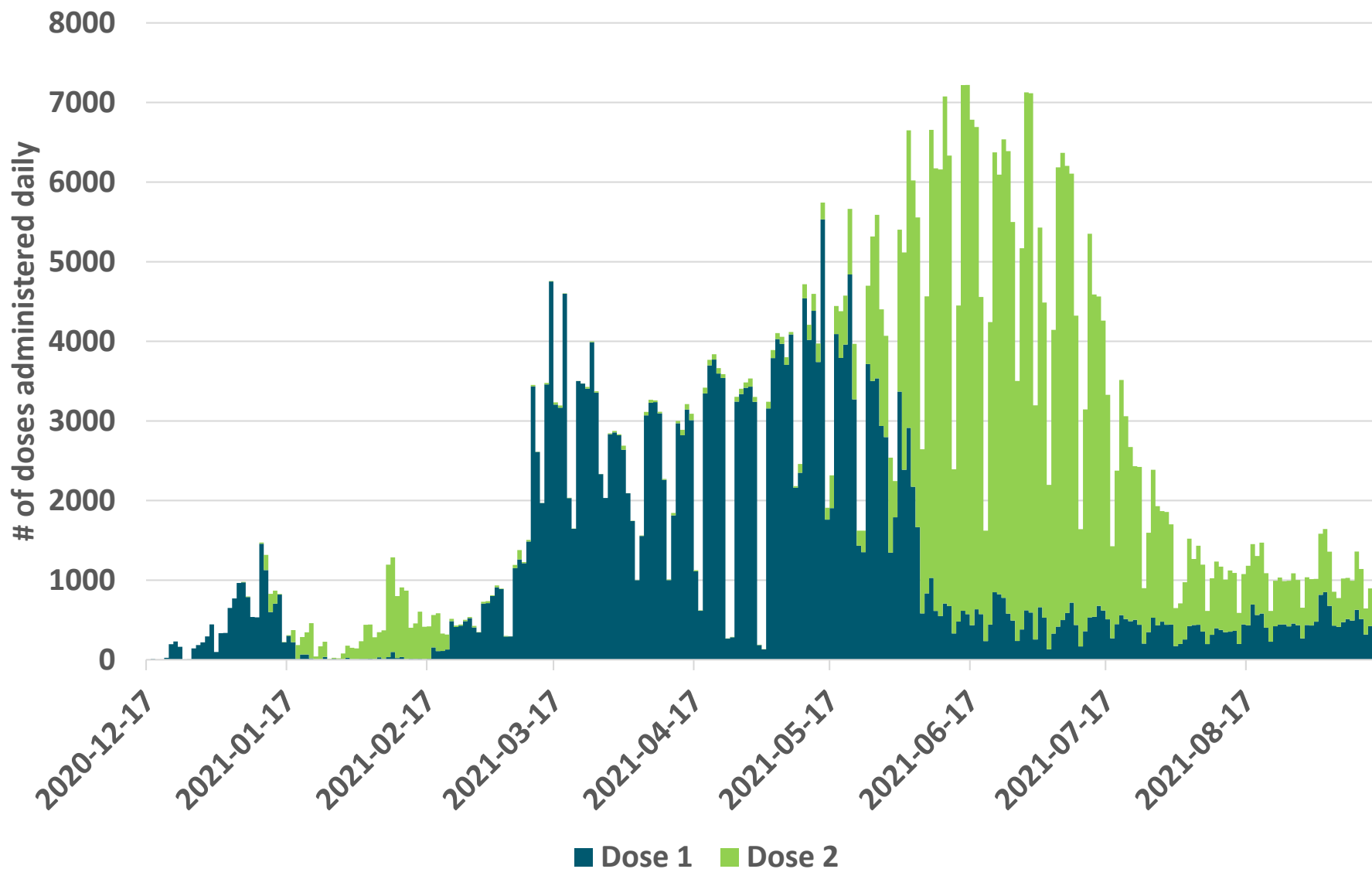
Total number of people who received all doses prescribed by the vaccination protocol, divided by the total population of the country.



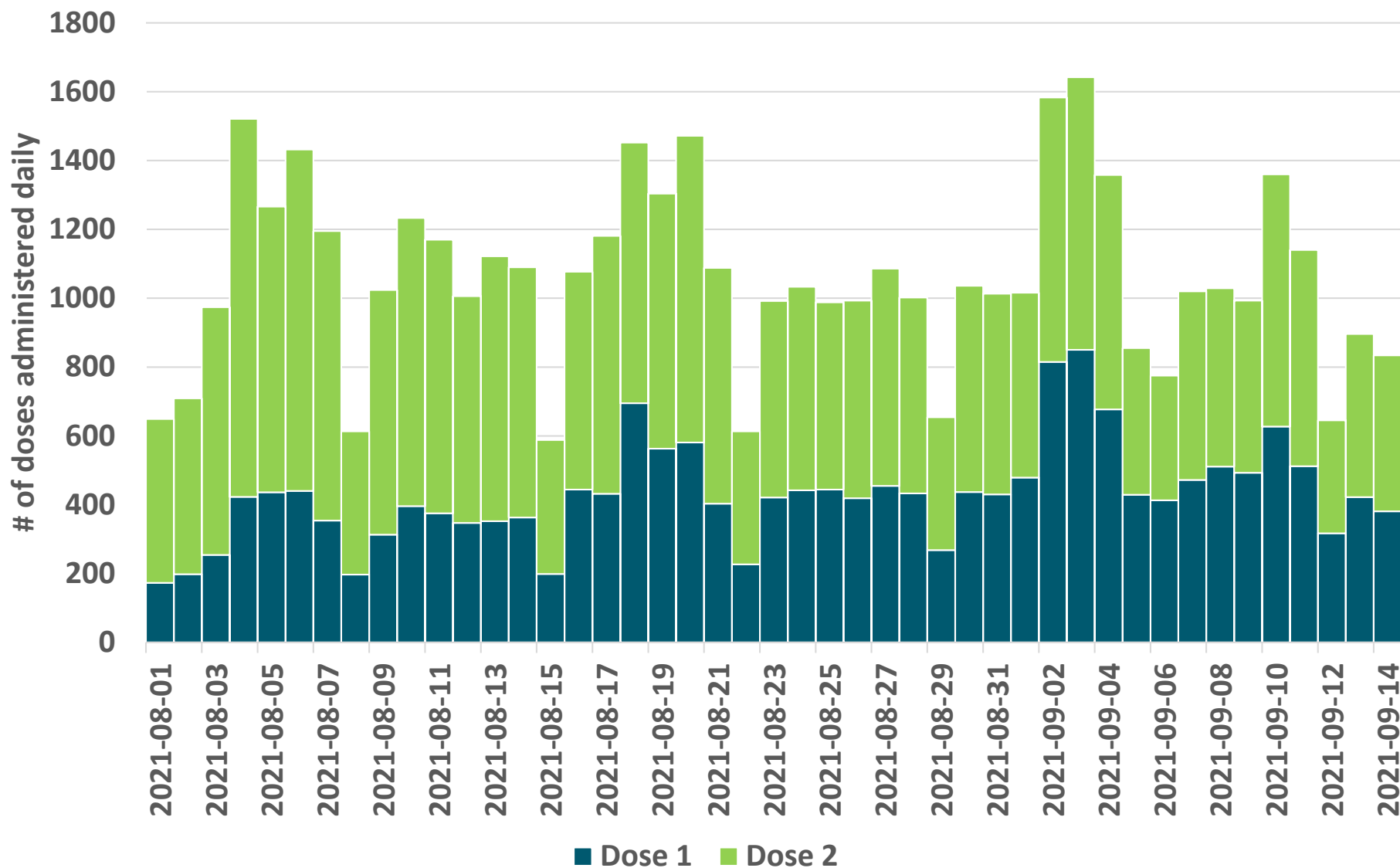
Source: Official data collated by Our World in Data. Alternative definitions of a full vaccination, e.g. having been infected with SARS-CoV-2 and having 1 dose of a 2-dose protocol, are ignored to maximize comparability between countries.

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Number of Vaccine Doses Administered Daily to Windsor-Essex Residents

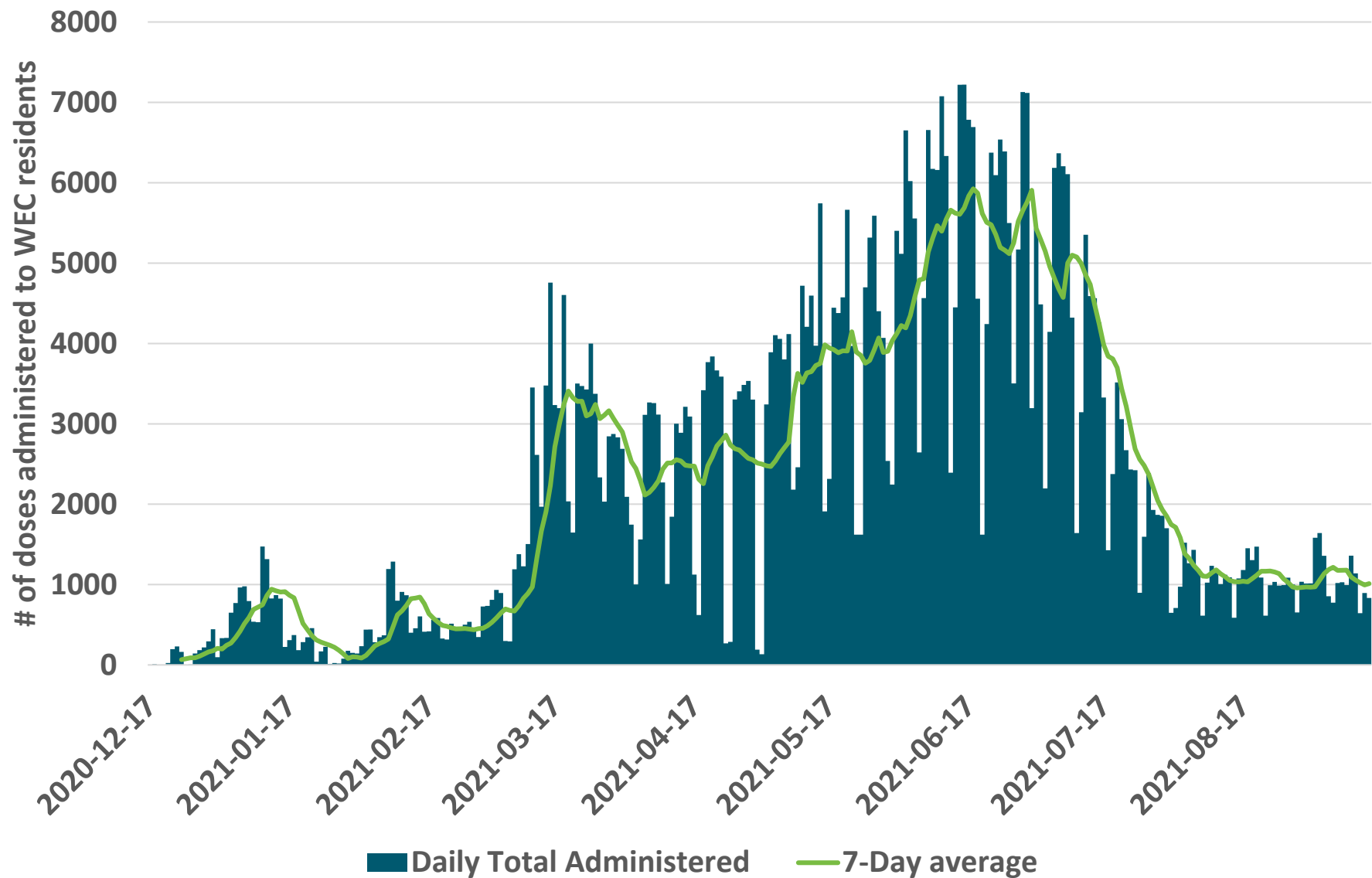


Number of Vaccine Doses Administered Daily to Windsor-Essex Residents (August to Present)



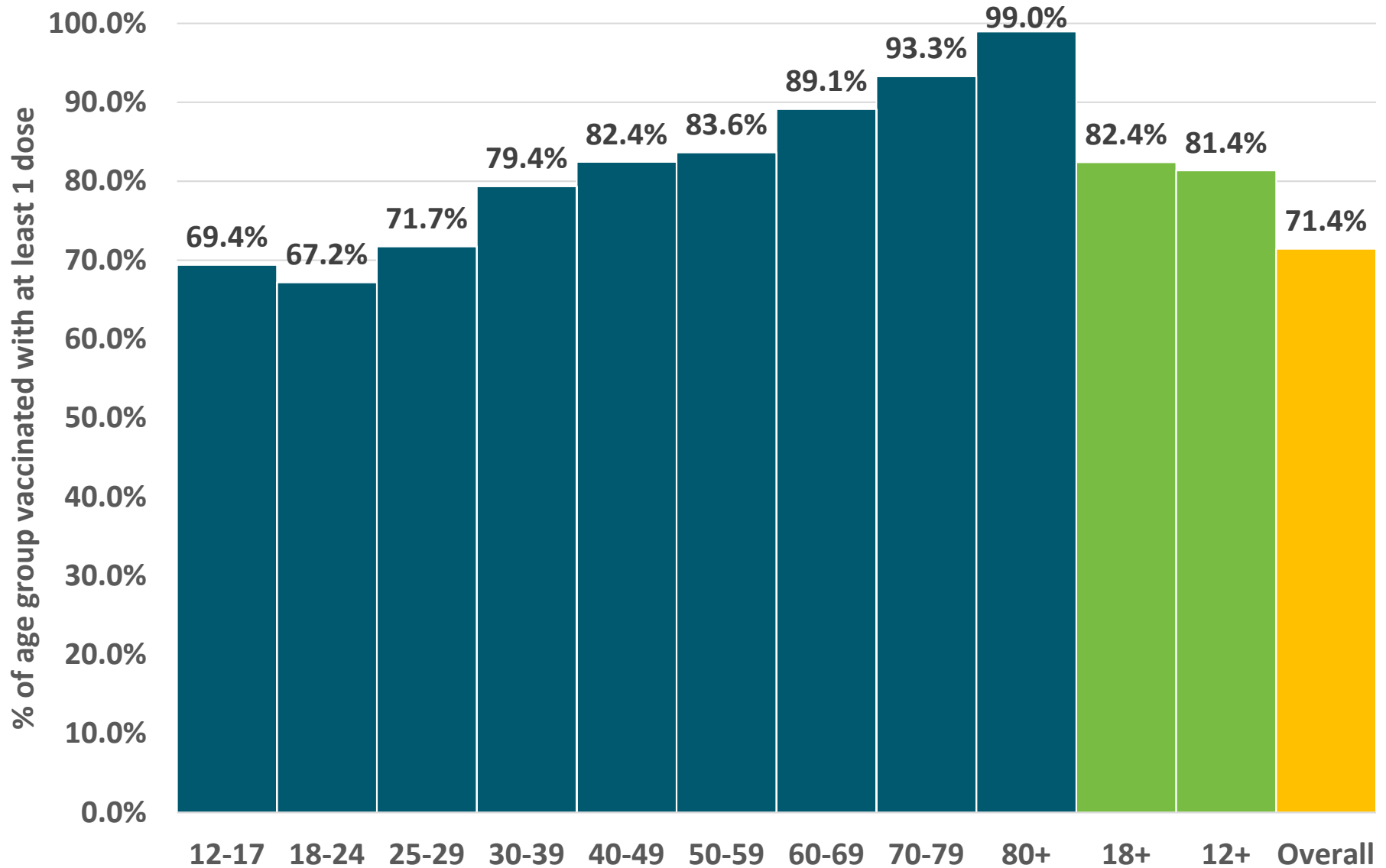
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Daily Doses Administered to Windsor-Essex Residents



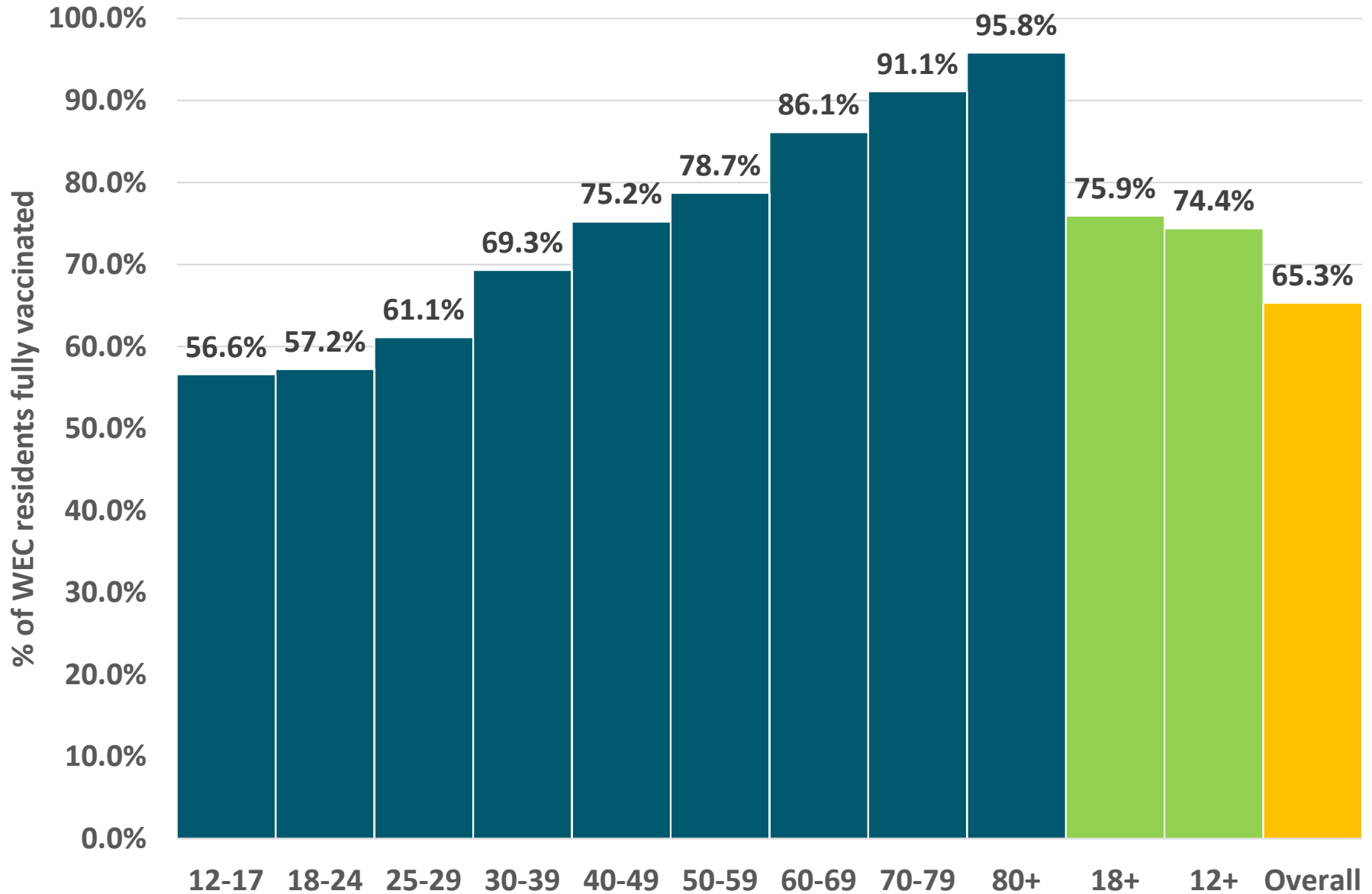
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WEC Residents Vaccinated With At Least One Dose by Age Group



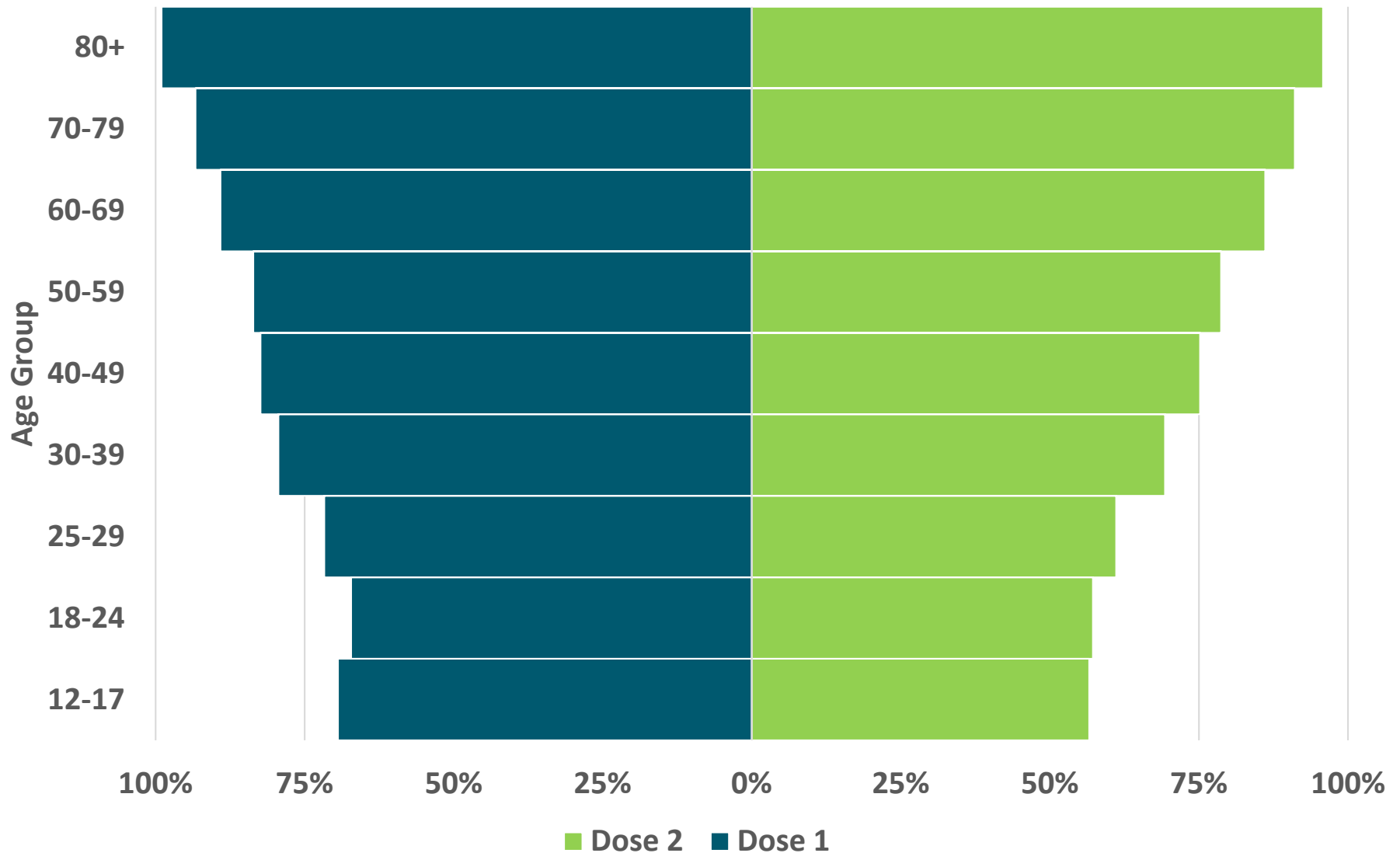
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WEC Residents Fully Vaccinated by Age Group

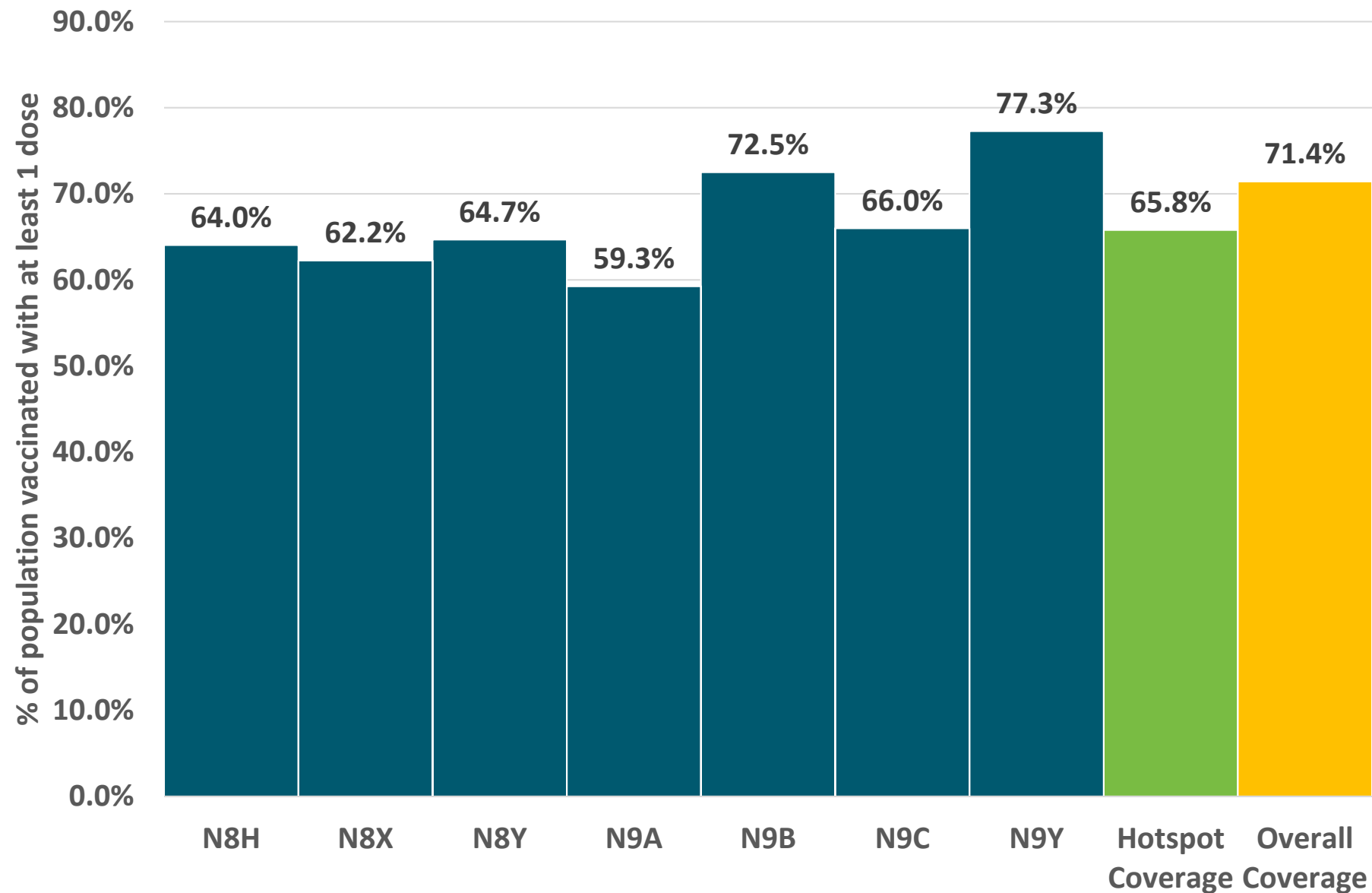


2021-09-24

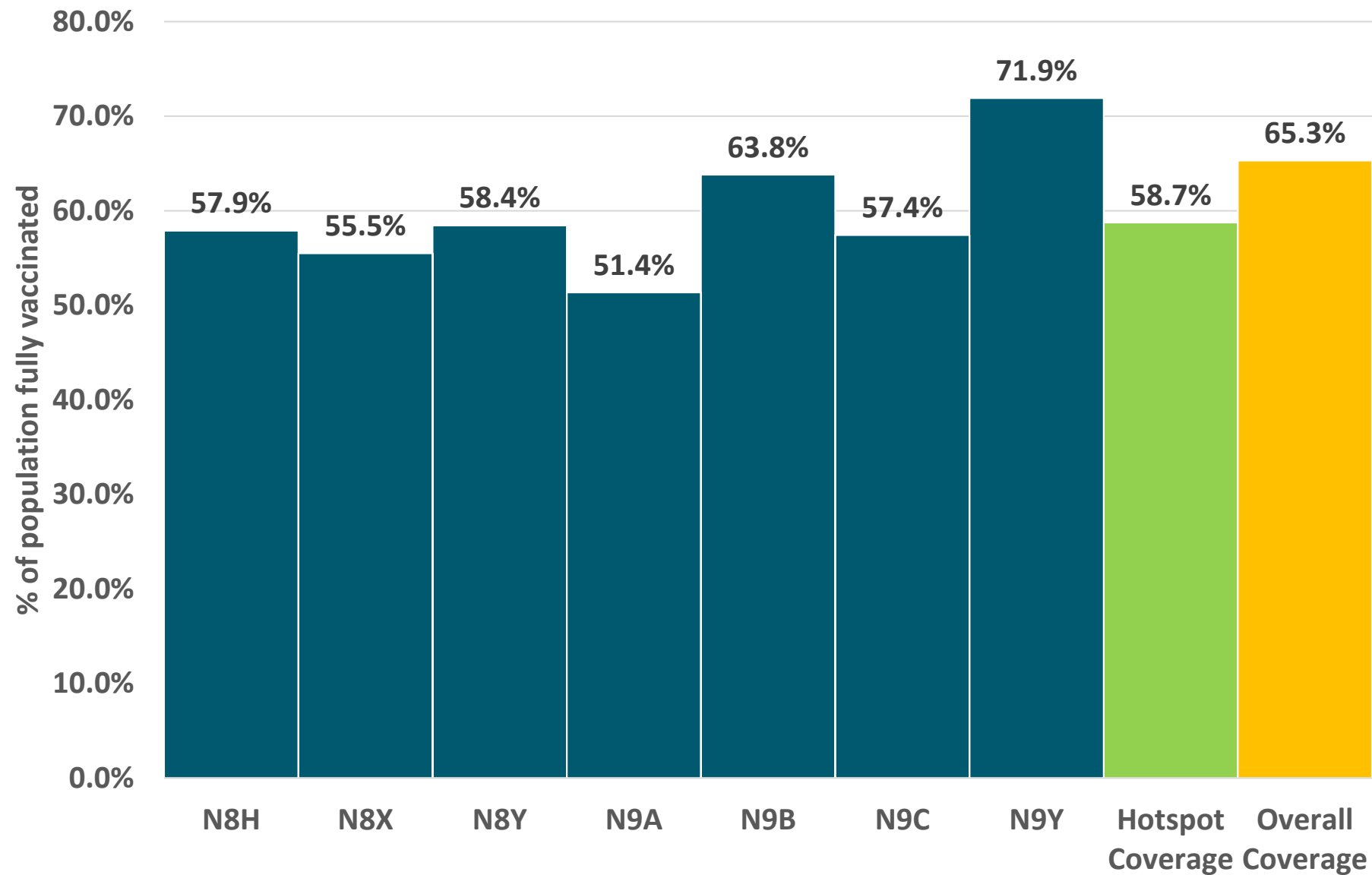
First and Second Dose Coverage Rate by Age Group in Windsor-Essex



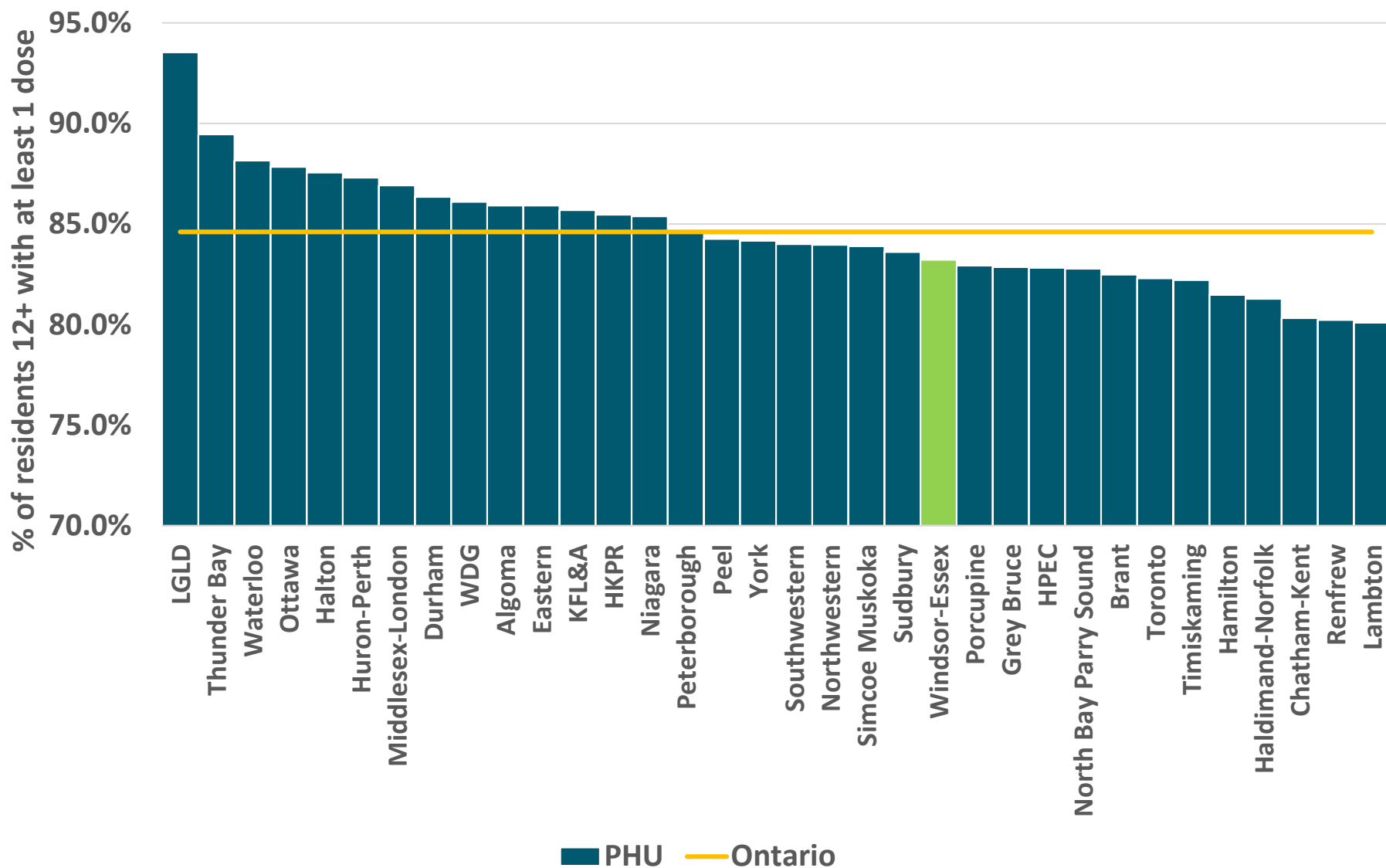
Vaccine Coverage in WEC Hotspots With at Least 1 Dose Administered (all residents including children)



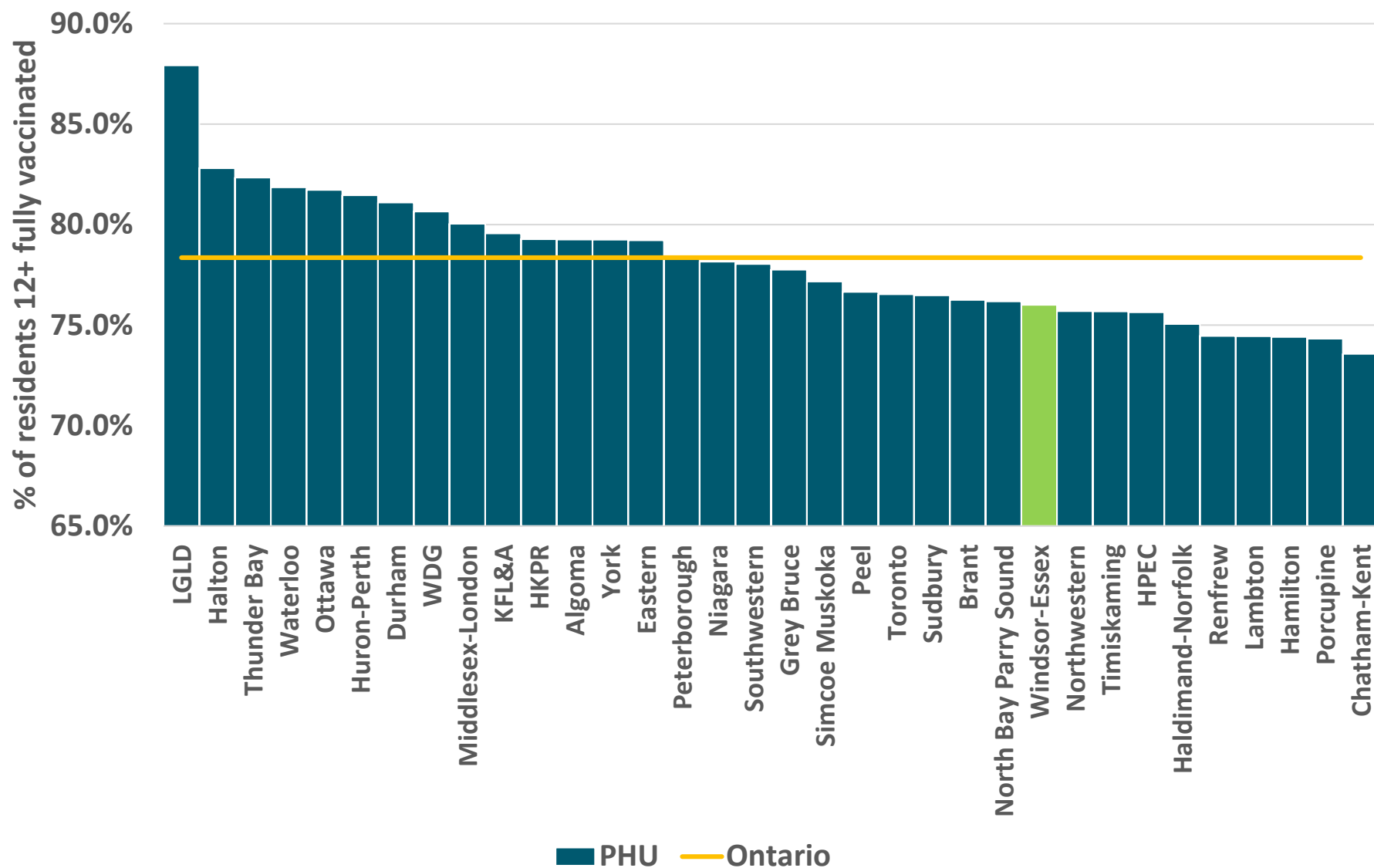
Fully Vaccinated Coverage Rates in Hotspots Within Windsor-Essex County (all residents including children)



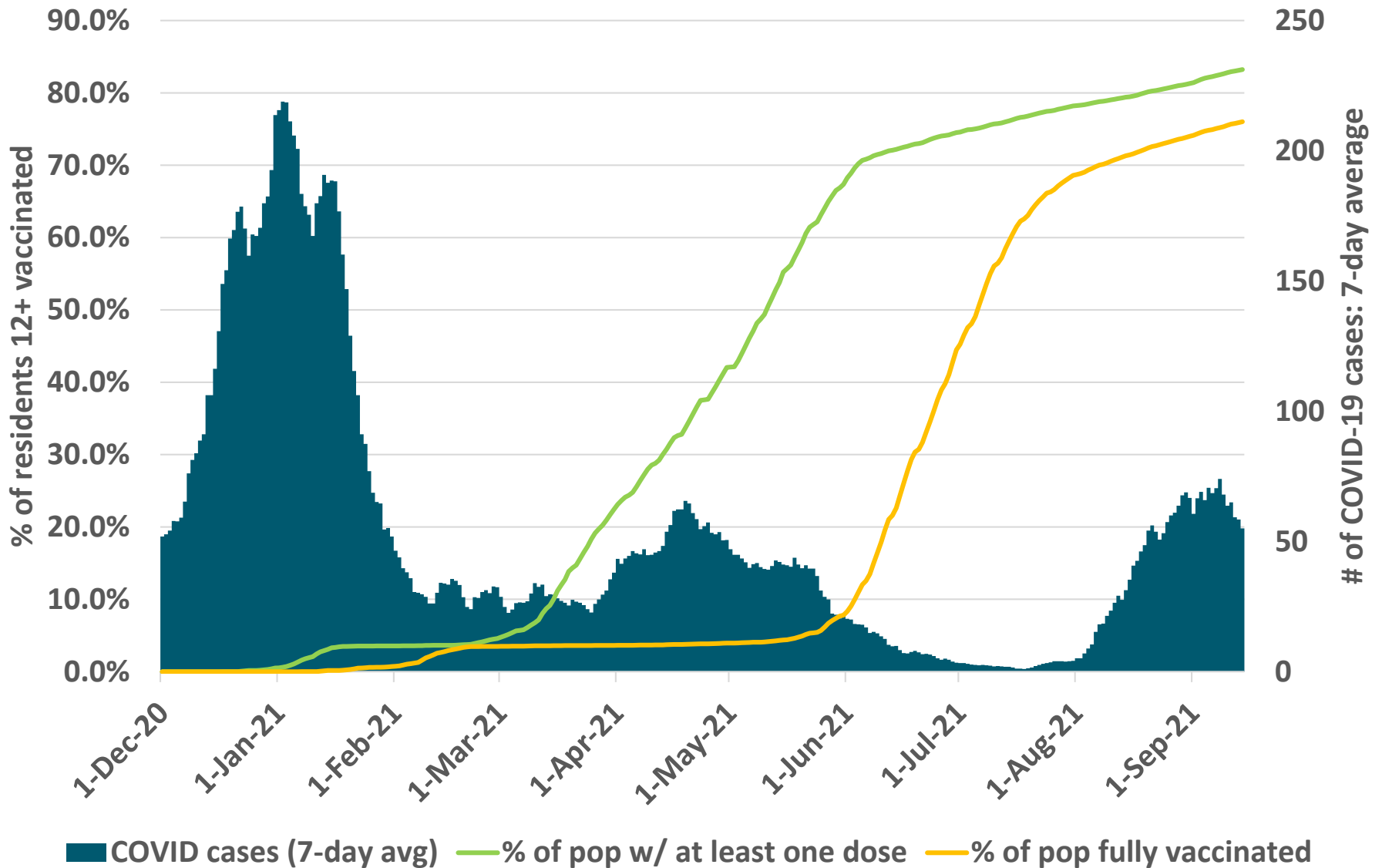
Percentage of Residents 12+ With At Least 1 Dose by Public Health Unit



Percentage of Residents 12+ Fully Vaccinated by Public Health Unit



COVID-19 Vaccination Coverage Rates (12+) Versus COVID-19 Cases (7-Day Average)



2021-09-24

Summary: (2)

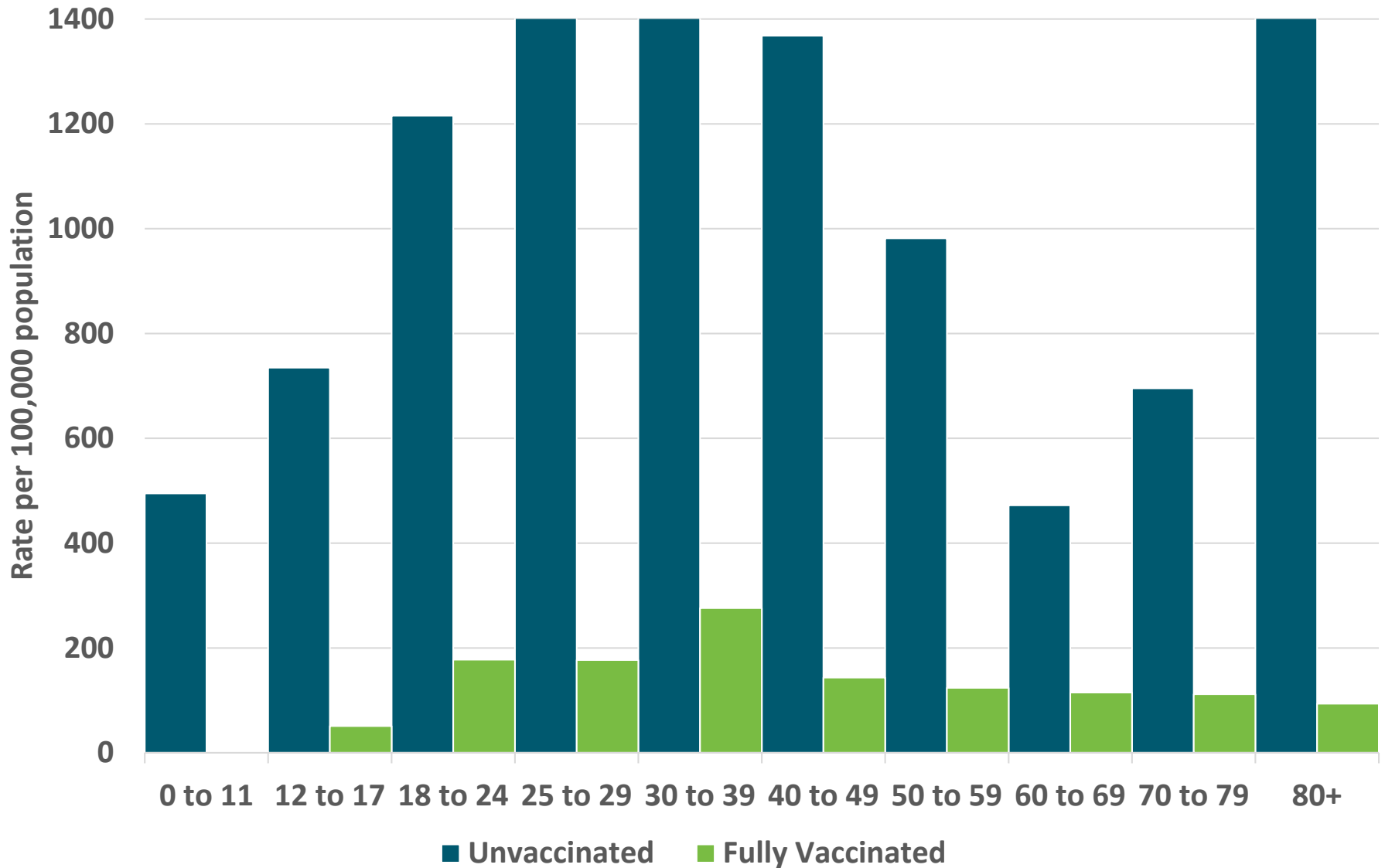
The overall risk of COVID-19 infection among those unvaccinated is

6.28

times higher than it is for those fully vaccinated

Vaccination Status	Rate of COVID-19 (per 100,000 population)
Unvaccinated	904.1 cases per 100,000 population
Fully Vaccinated	144.0 cases per 100,000 population

Rate of COVID-19 by Age Group and Vaccine Status (August 9 to September 5)



Summary:

- Case rates in WEC has decreased this week but remain high
- Wastewater surveillance data indicates a decrease in COVID-19
- COVID-19 related hospitalization and ICU admissions continue to increase.
- First and second dose administration have decreased this this week.

Summary of Monitoring Indicators for WEC

- Most recent completed weekly case rate = 97.6 cases/100,000 population
 - Most recent 7-day rate = 93.9 cases/100,000 population
- Percent positivity = 6.5% (full week)
 - Most recent 7-days percent positivity = 9.2%
- R_0 (effective) = 0.87
- Outbreaks remain high in our region
- 81.4% of Windsor-Essex residents 12+ have received with at least 1 dose
- 74.4% of Windsor-Essex residents 12+ are fully vaccinated