



# COVID-19 *LIVE UPDATE*

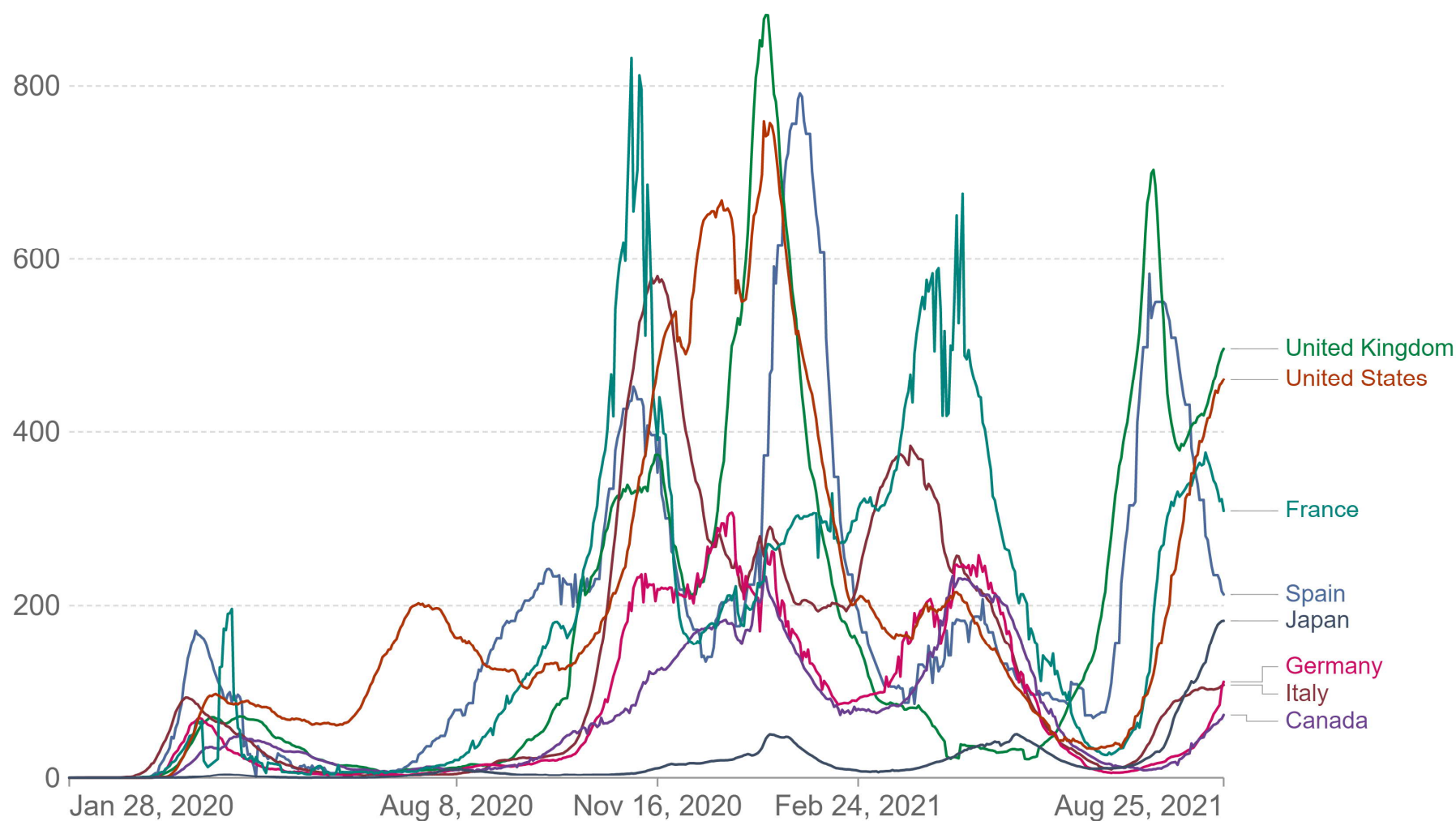
August 27, 2021

FOR UP-TO-DATE  
CASE NUMBERS  
VISIT  
**[wechu.org](https://wechu.org)**

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

# Daily new confirmed COVID-19 cases per million people

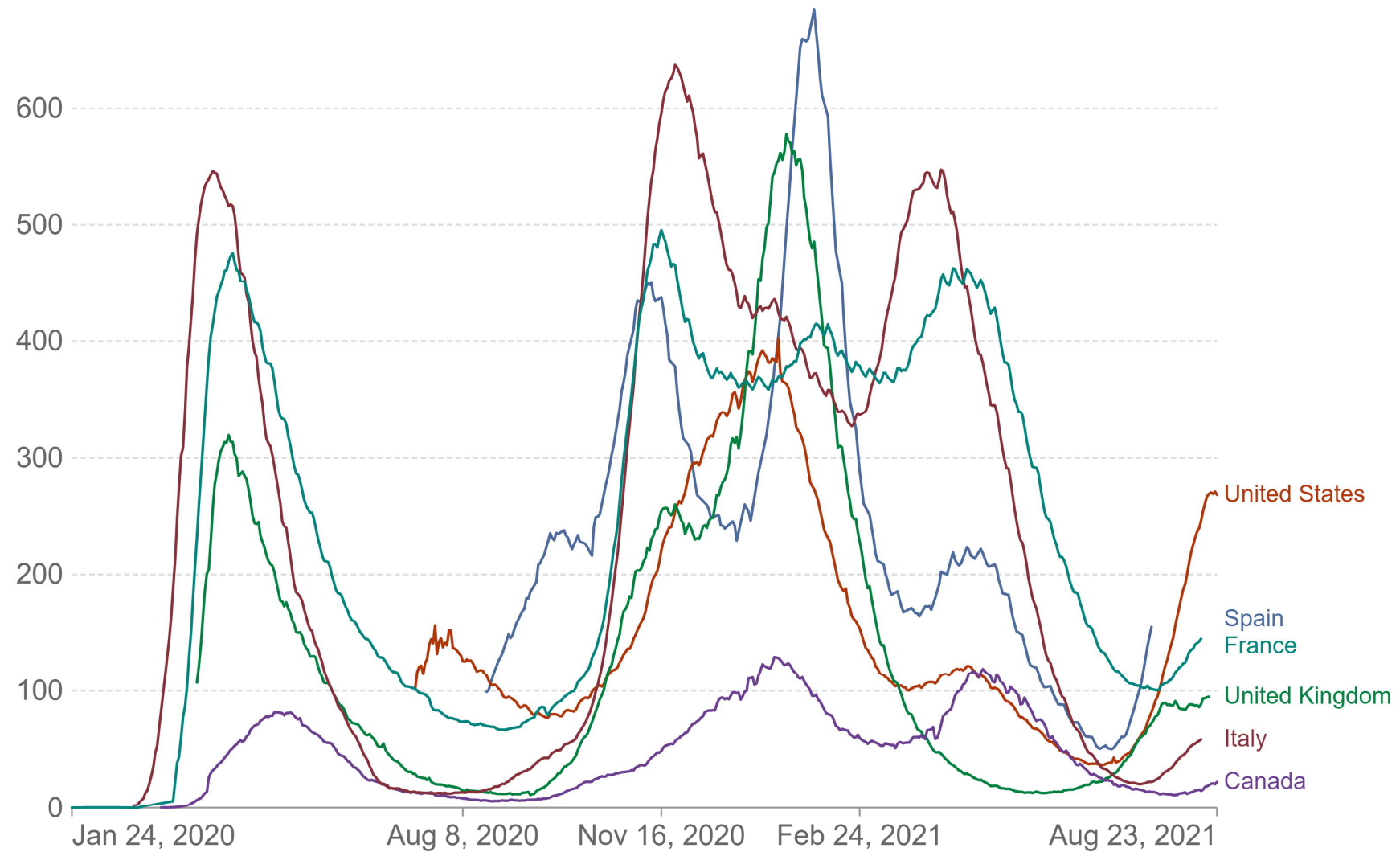
Shown is the rolling 7-day average. The number of confirmed cases is lower than the number of actual cases; the main reason for that is limited testing.



Source: Johns Hopkins University CSSE COVID-19 Data

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# Number of COVID-19 patients in hospital per million people



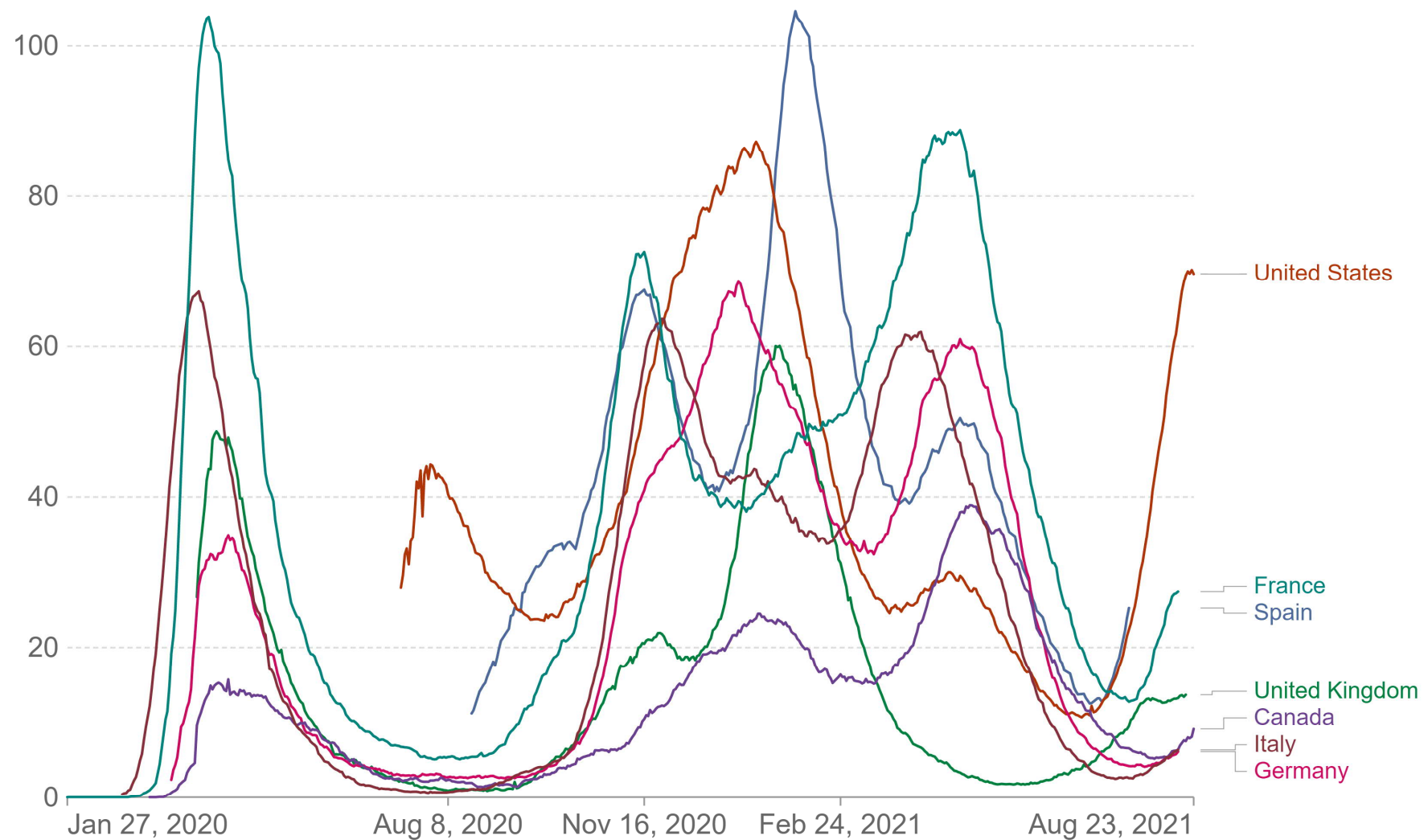
Source: Official data collated by Our World in Data

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# Number of COVID-19 patients in intensive care (ICU) per million people

Our World  
in Data



Source: Official data collated by Our World in Data

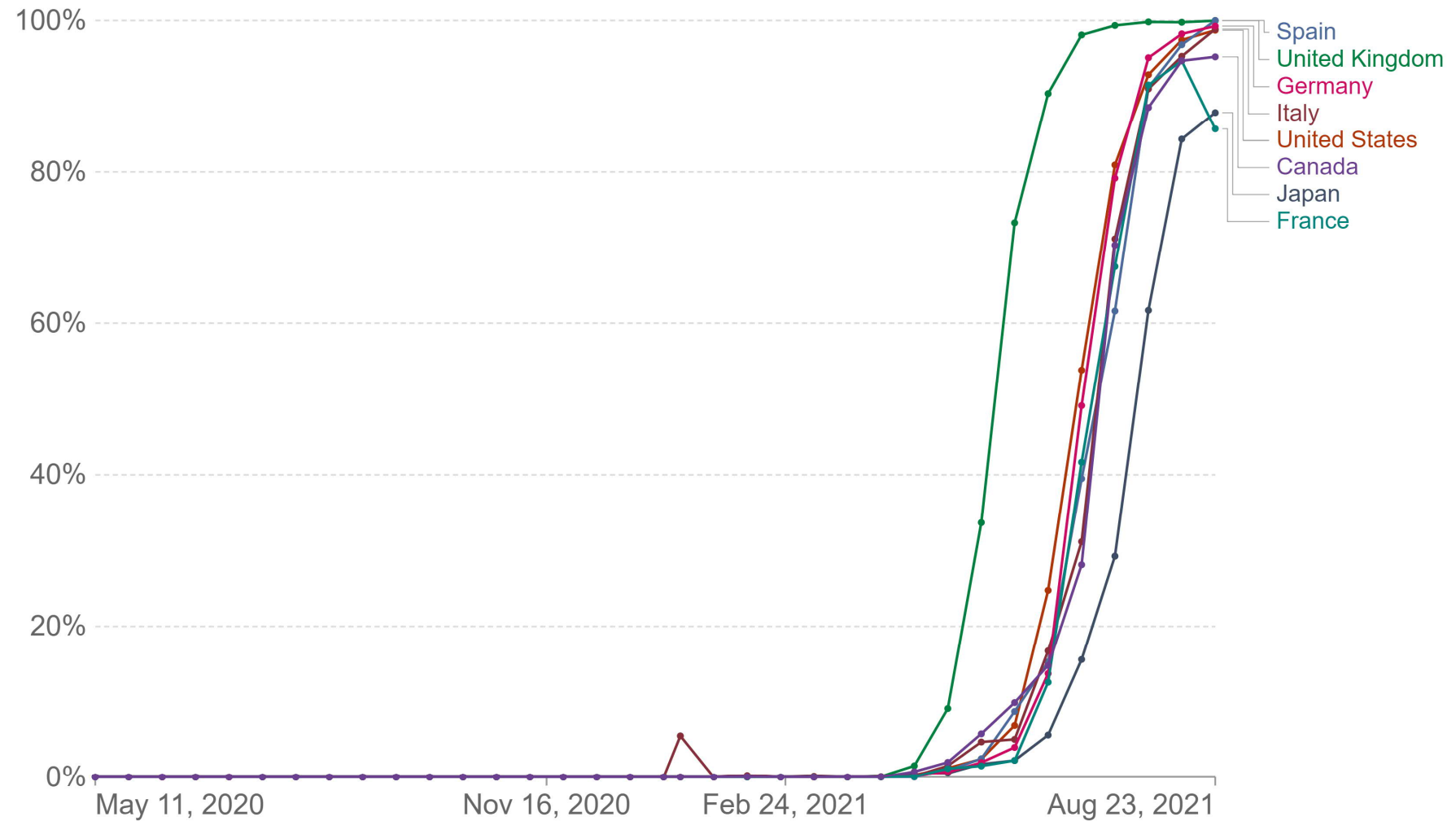
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# Share of SARS-CoV-2 sequences that are the delta variant

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in Data

Shown is the delta variant's share of total analyzed sequences in the last two weeks. This share may not reflect the complete breakdown of cases, since only a fraction of all cases are sequenced.



Source: CoVariants.org and GISAID

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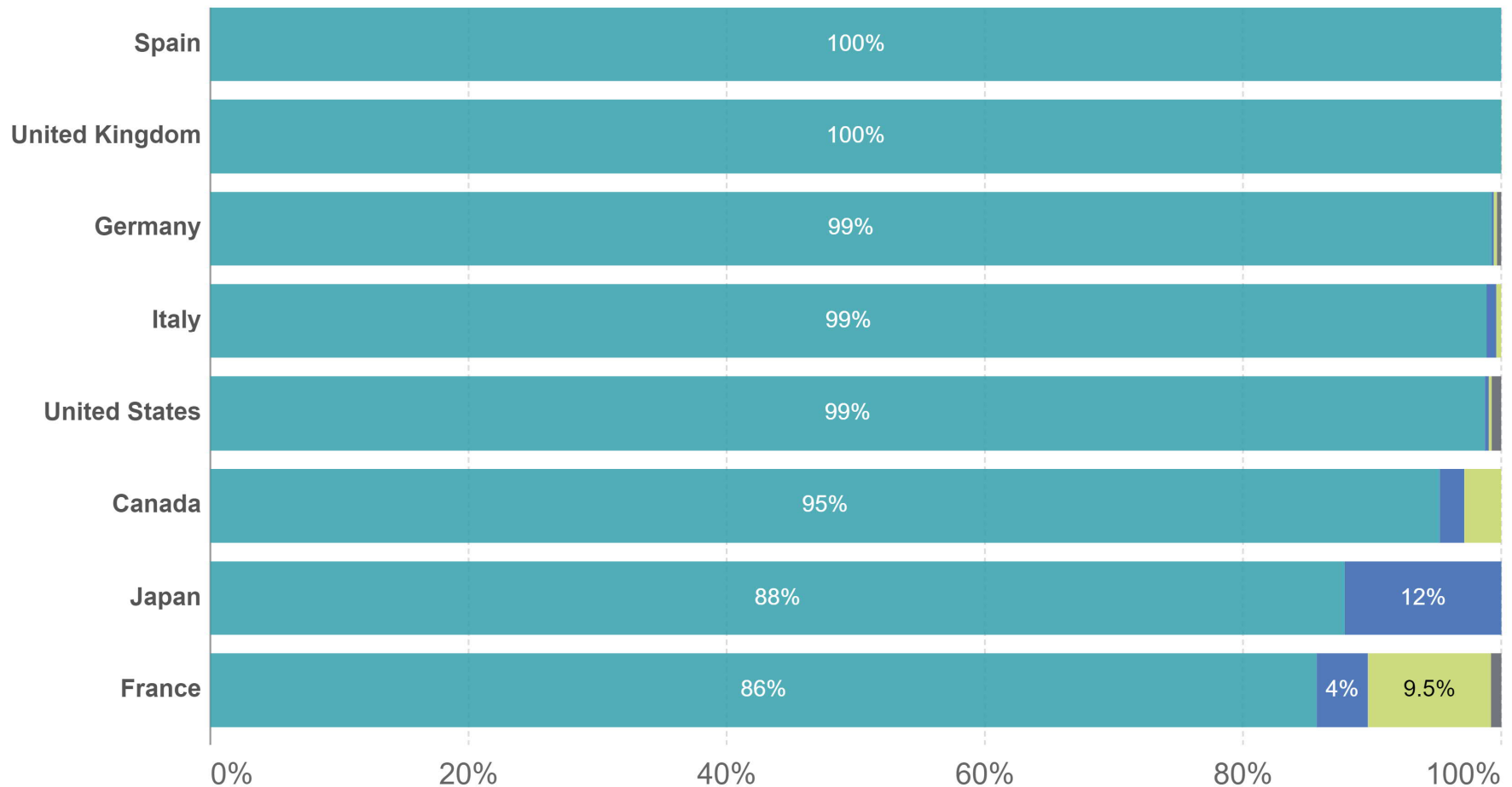
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# SARS-CoV-2 sequences by variant

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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

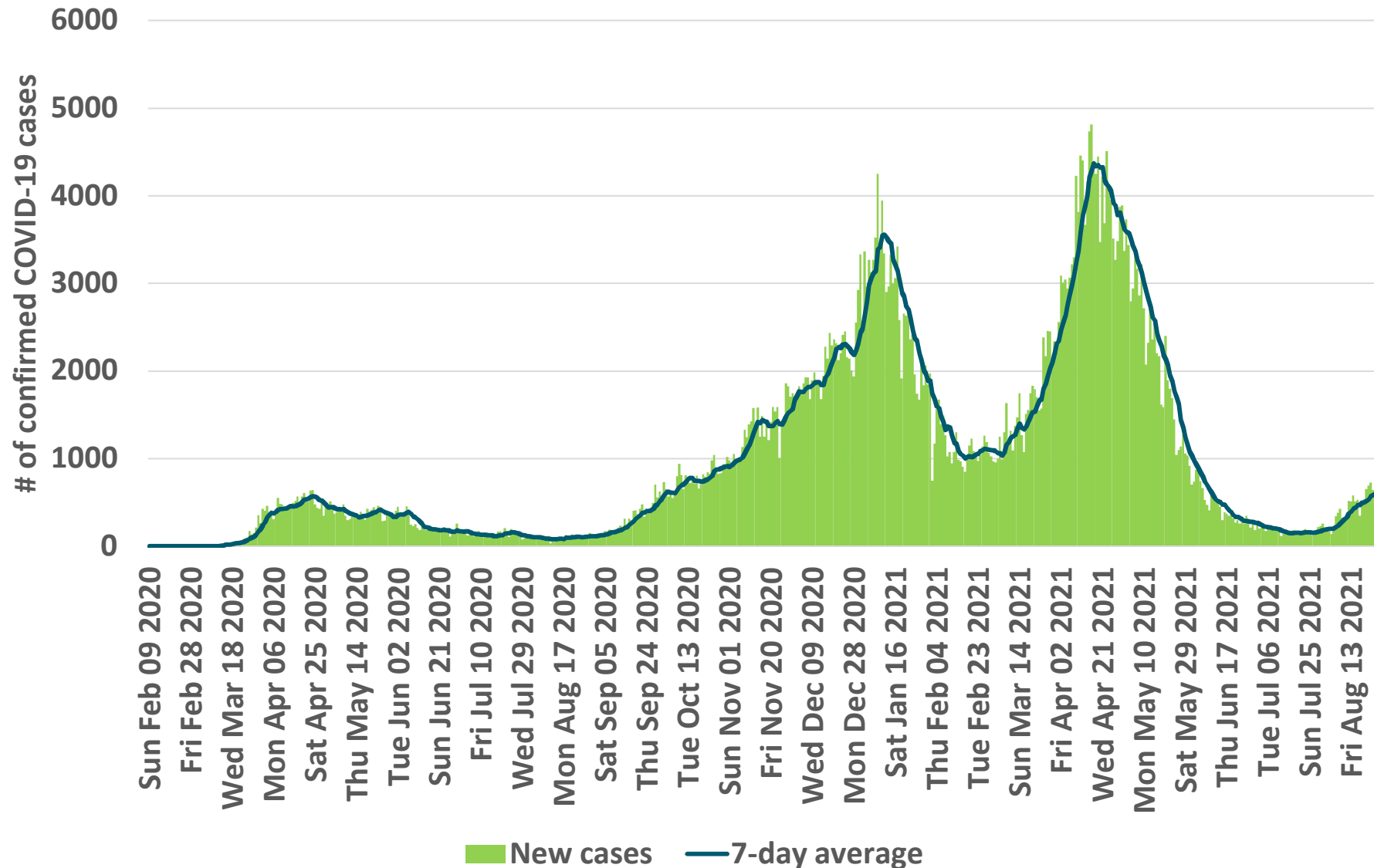


Source: CoVariants.org and GISAID

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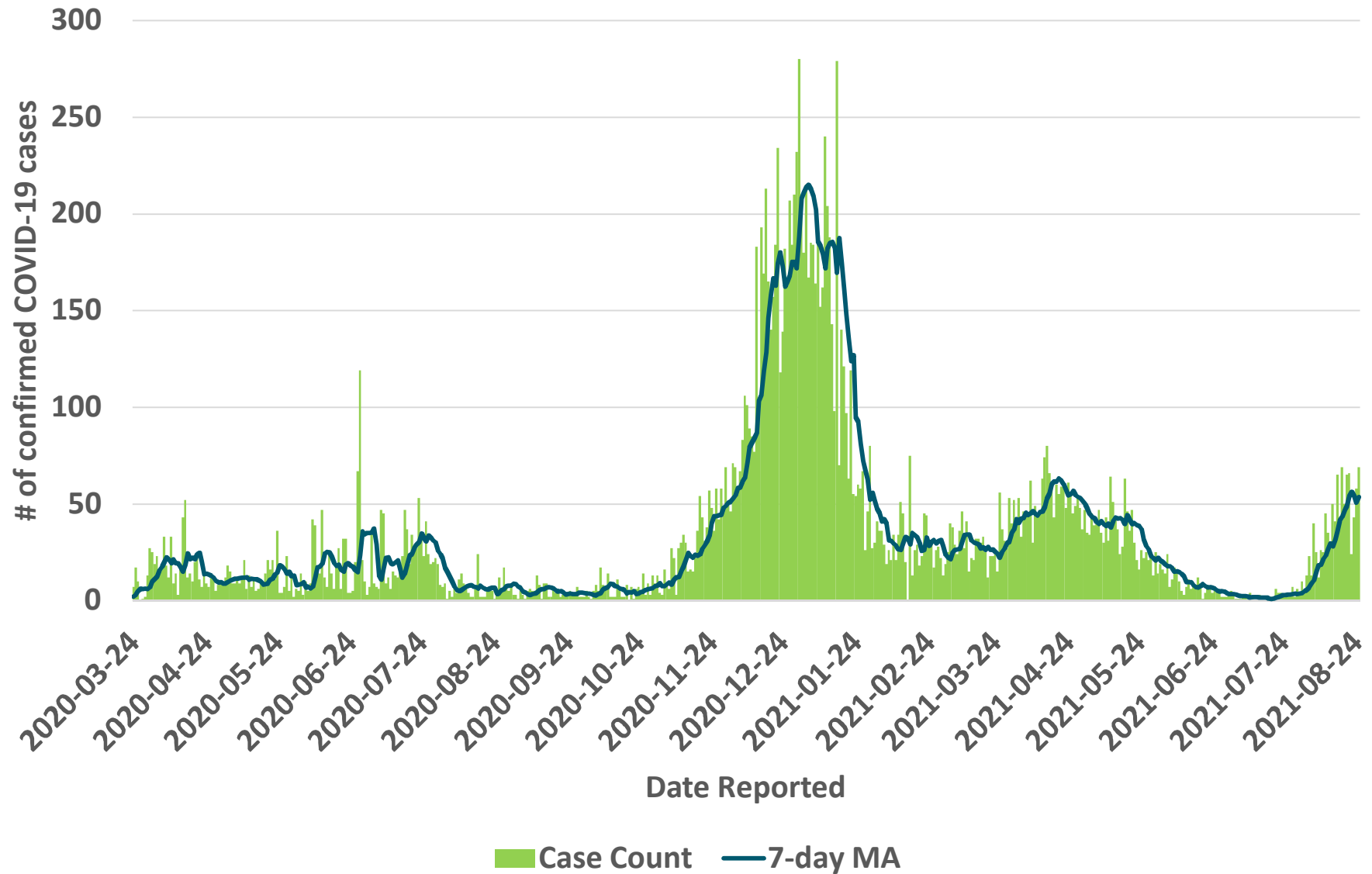
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# Number of Cases in Ontario (Daily New cases and 7-day average)



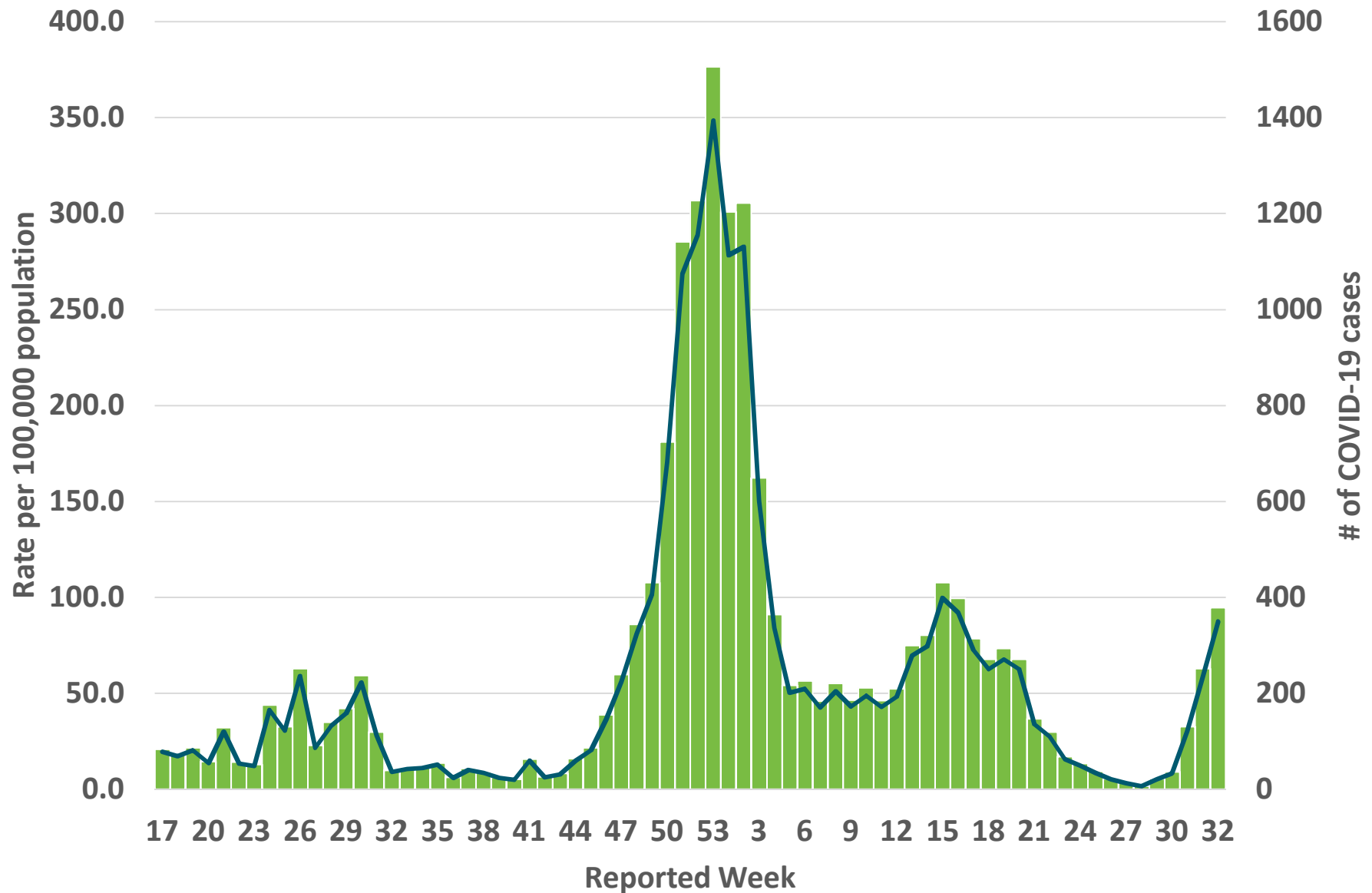


# Epidemic Curve by Reported Date in Windsor-Essex



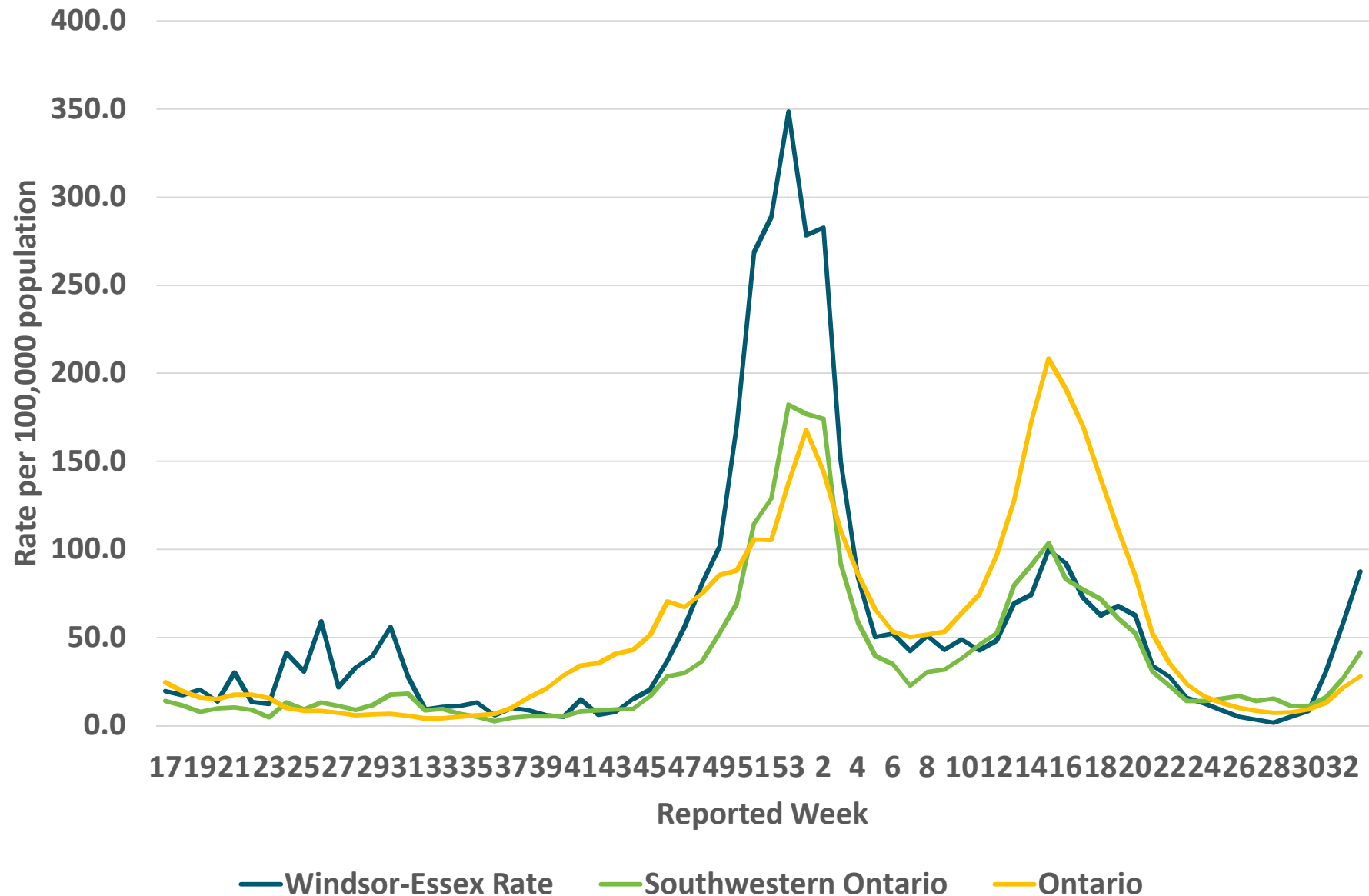
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# Windsor-Essex Rate by Reported Week



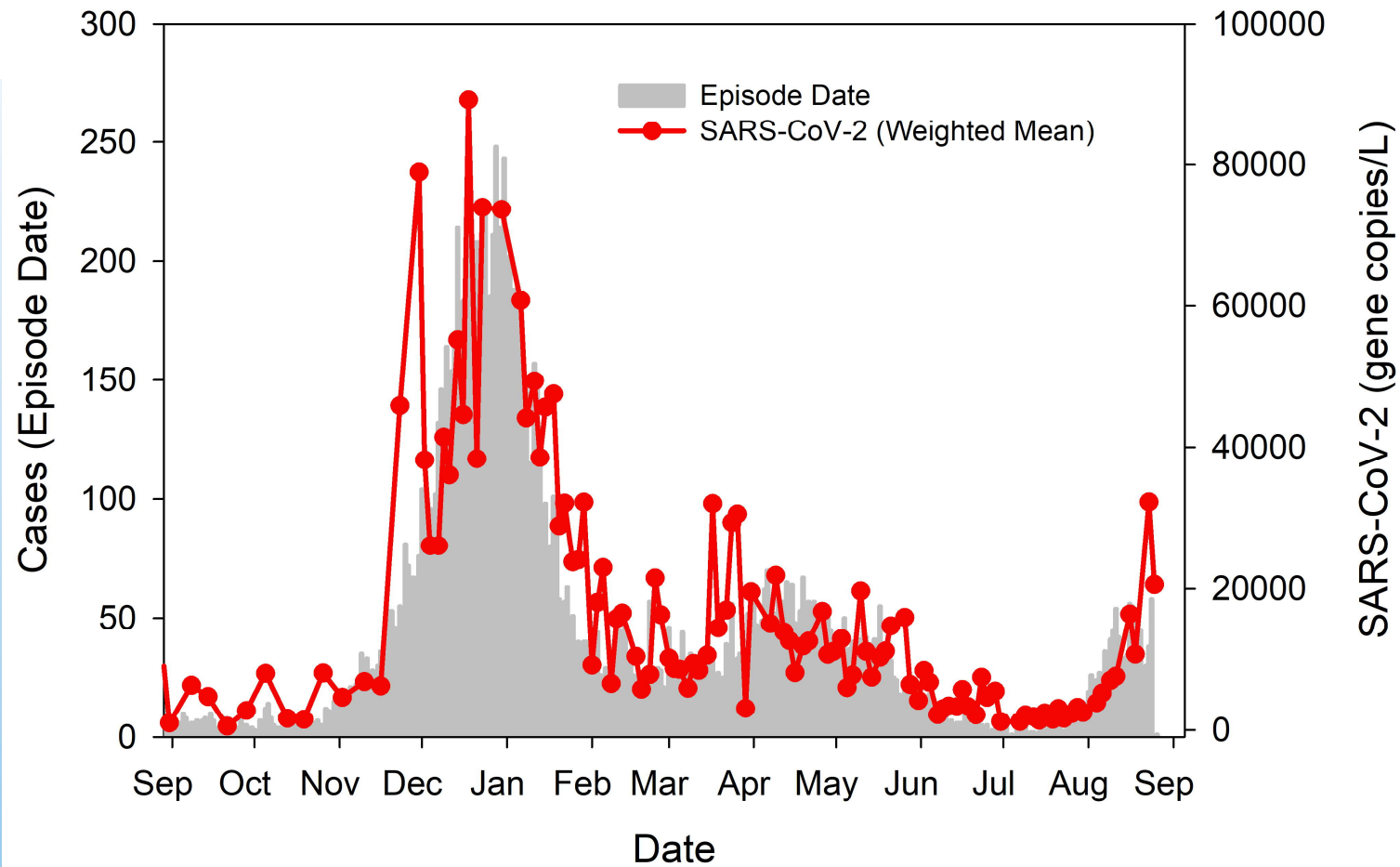
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# Weekly Comparison of Rates in Ontario



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## Windsor-Essex Wastewater Data



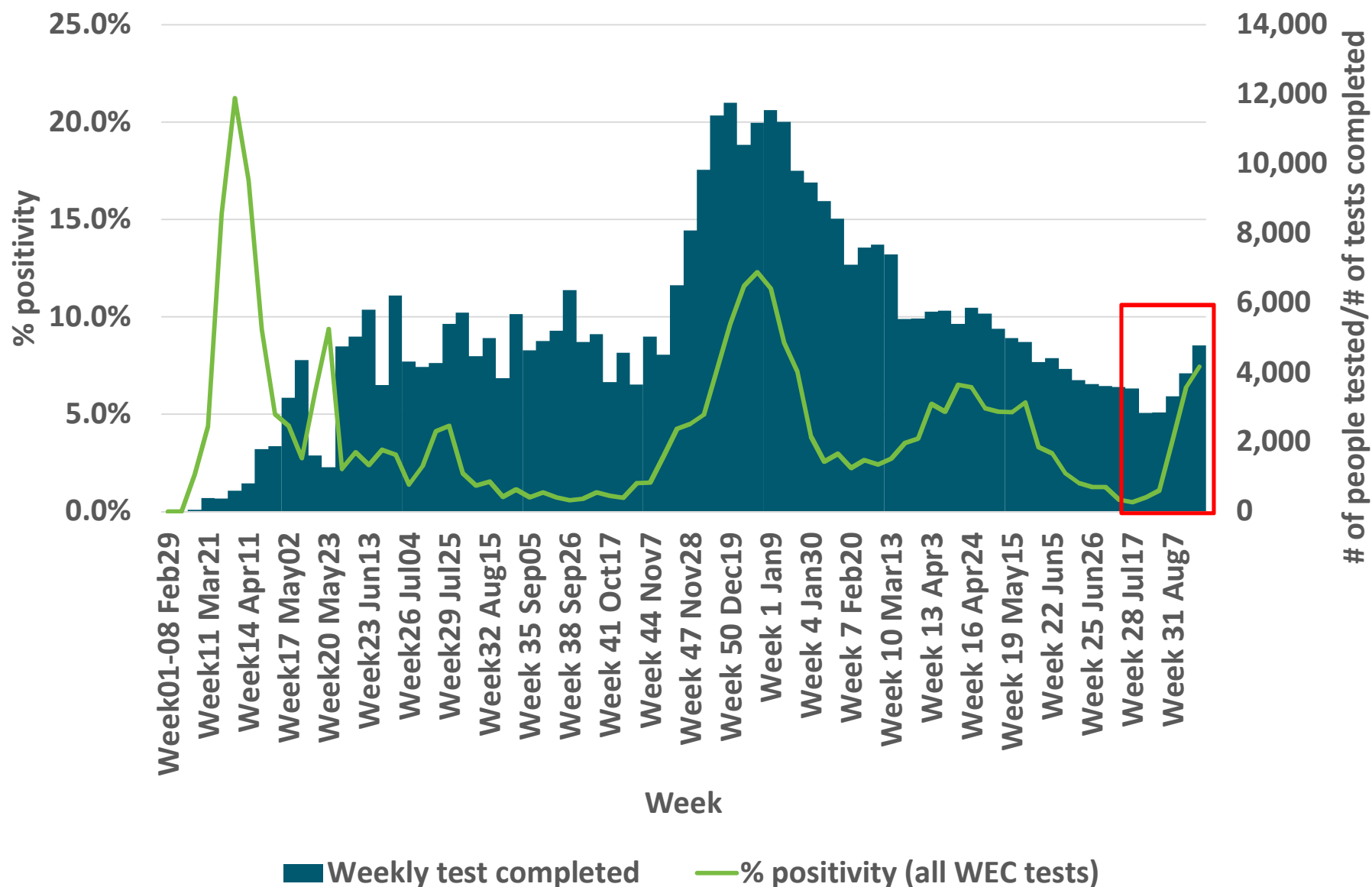
**GLIER**  
GREAT LAKES INSTITUTE FOR  
ENVIRONMENTAL RESEARCH  
at the University of Windsor



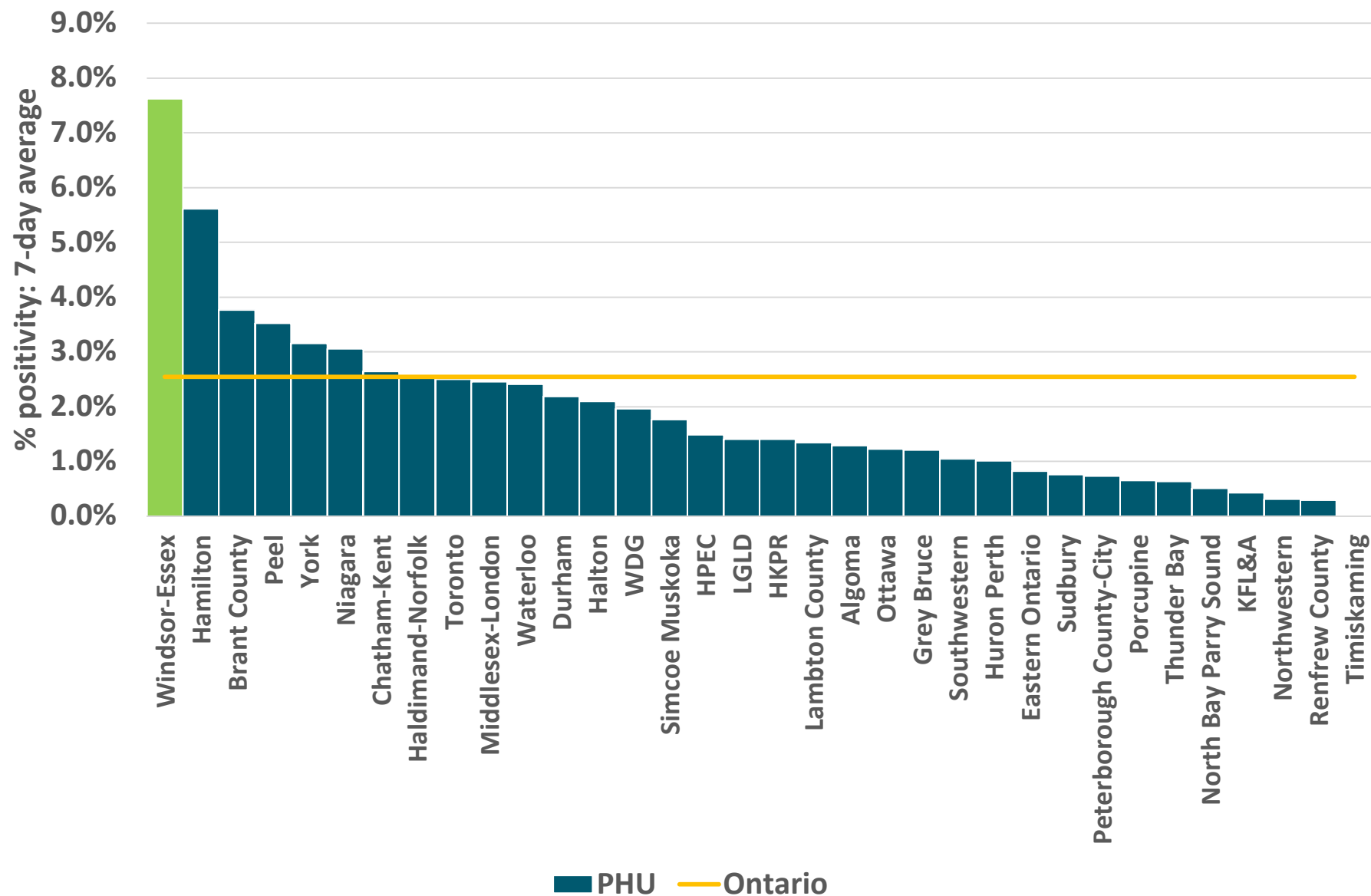
University  
of Windsor

[uwindsor.ca/GLIER](http://uwindsor.ca/GLIER)

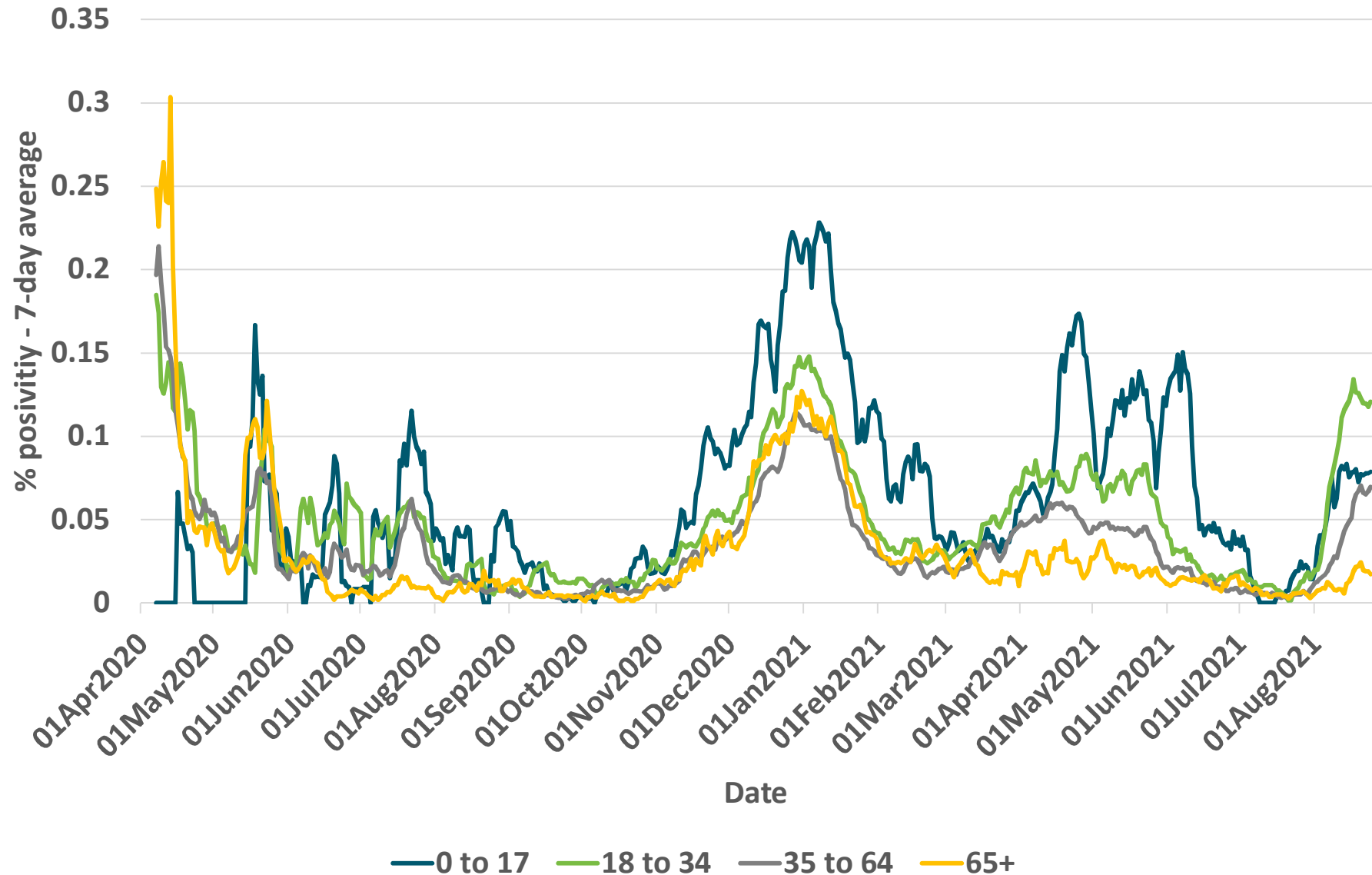
# Percent Positivity by Week by All Tests



# % Positivity in Ontario: 7-Day Average

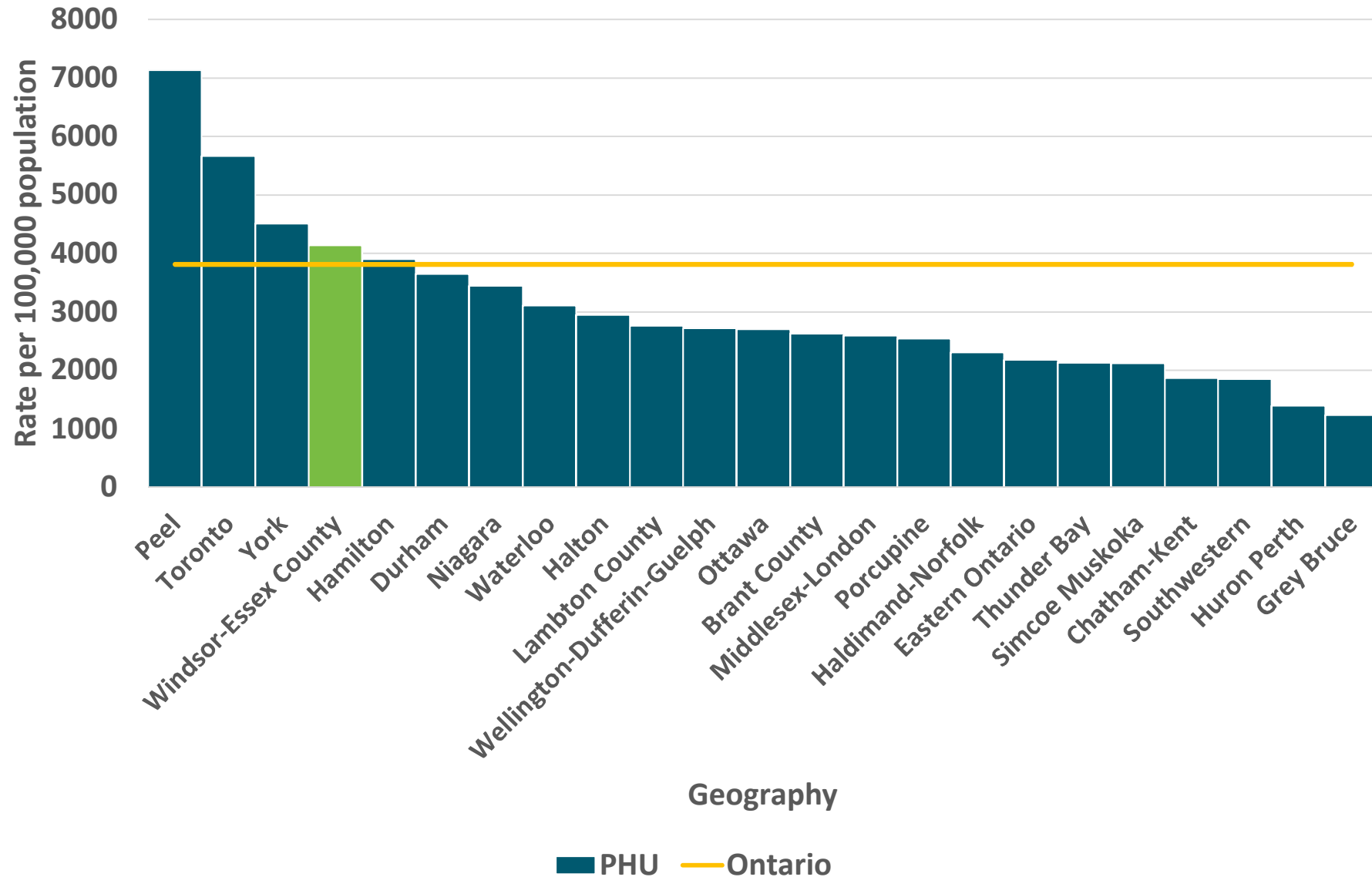


# % Positivity in Windsor-Essex by Age: 7-Day Average



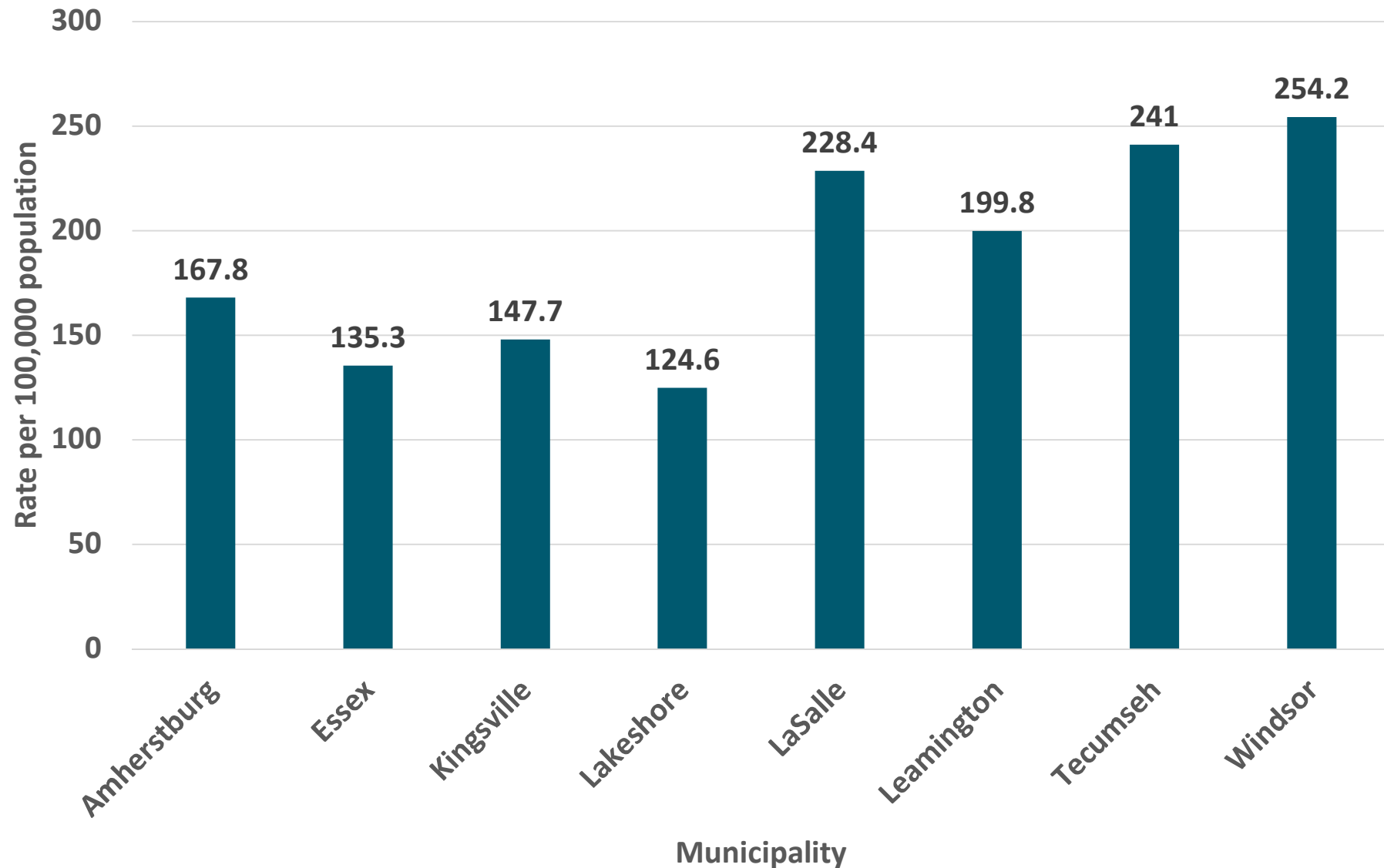
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# Cumulative Regional & Provincial Rates

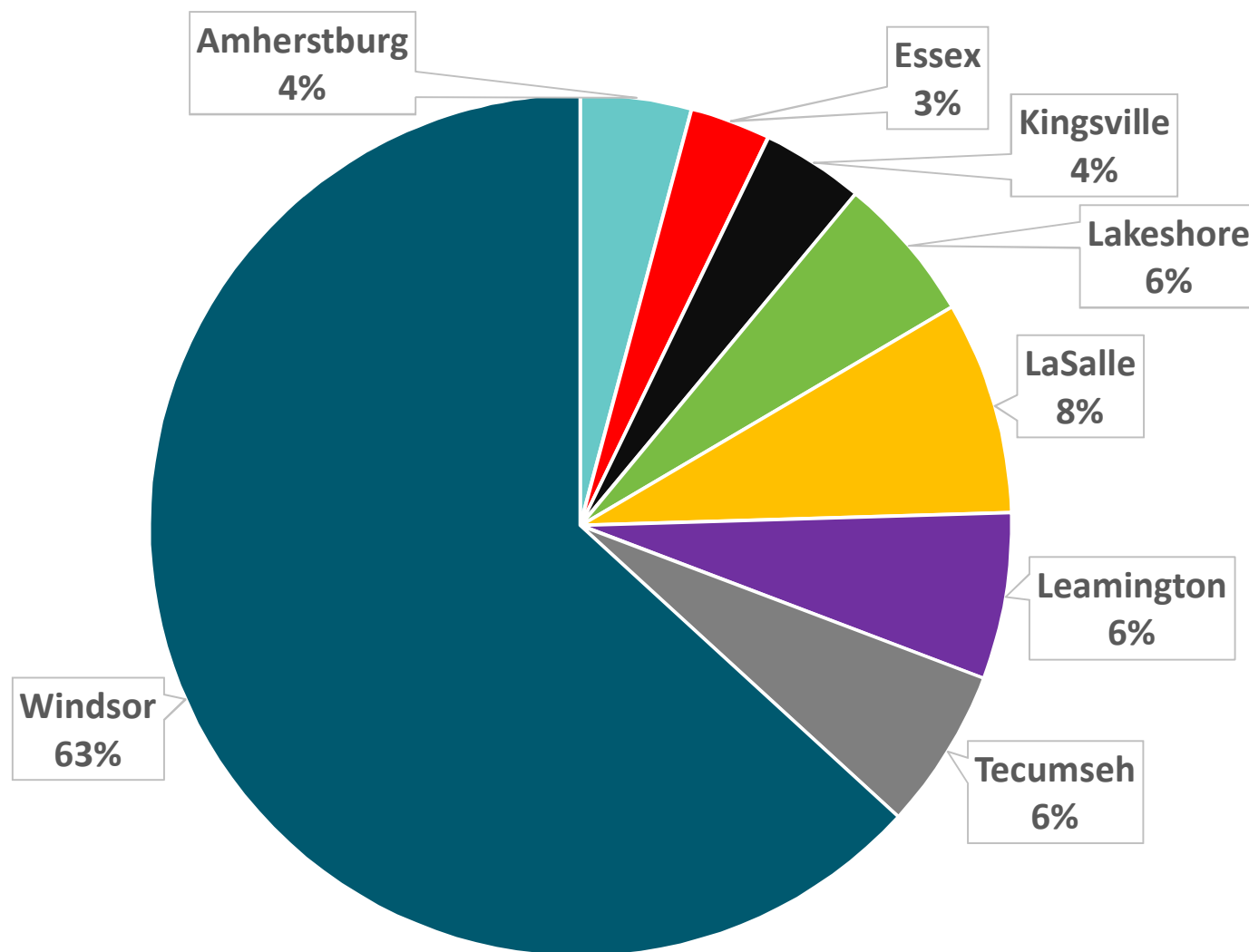




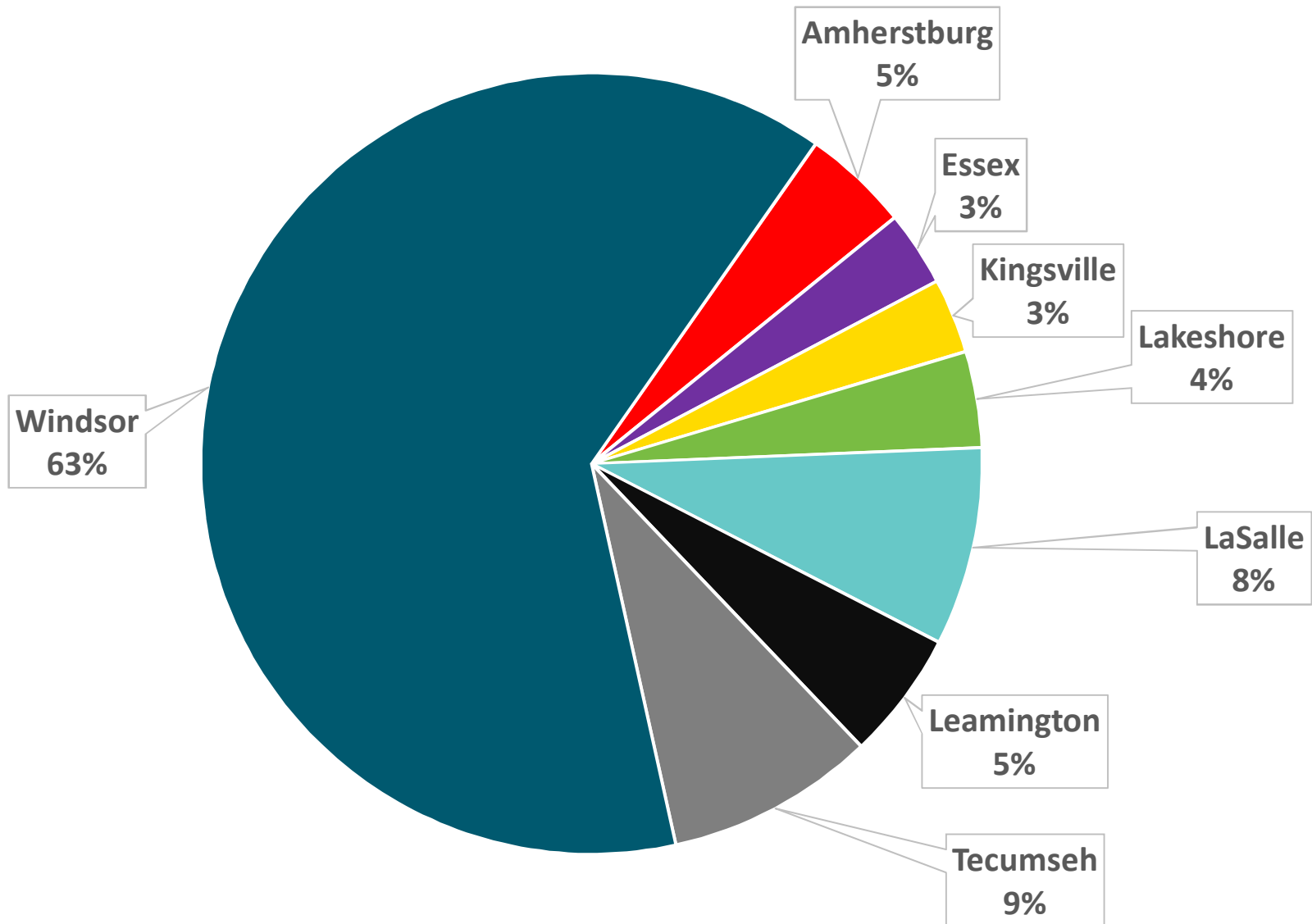
# Rate per 100,000 by Municipality (August to Present)



# Distribution of COVID-19 Cases by Municipality in last 30 days (July 27 to August 25)

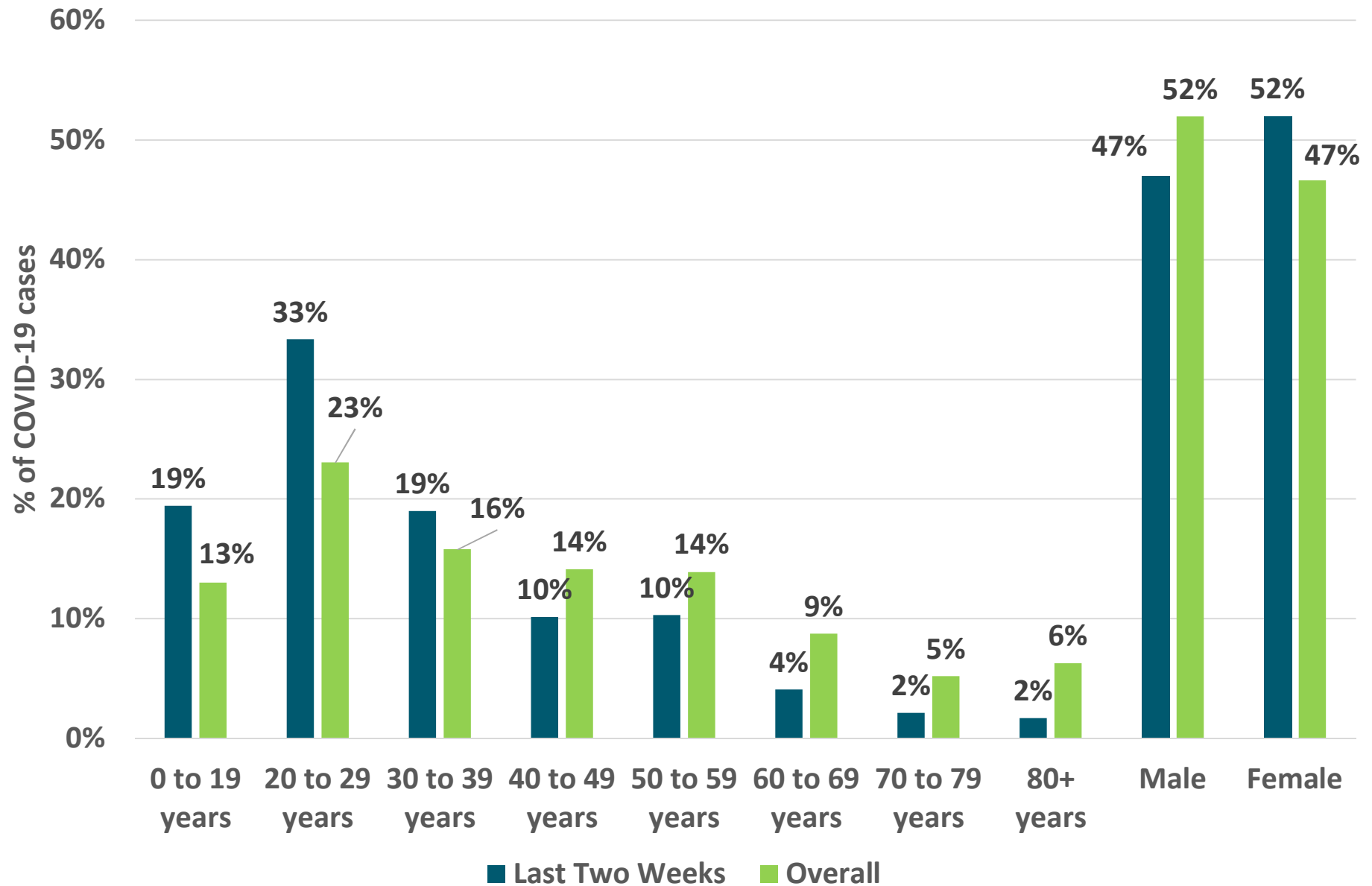


# Distribution of COVID-19 Cases by Municipality in last 7 days (August 19 to August 25)



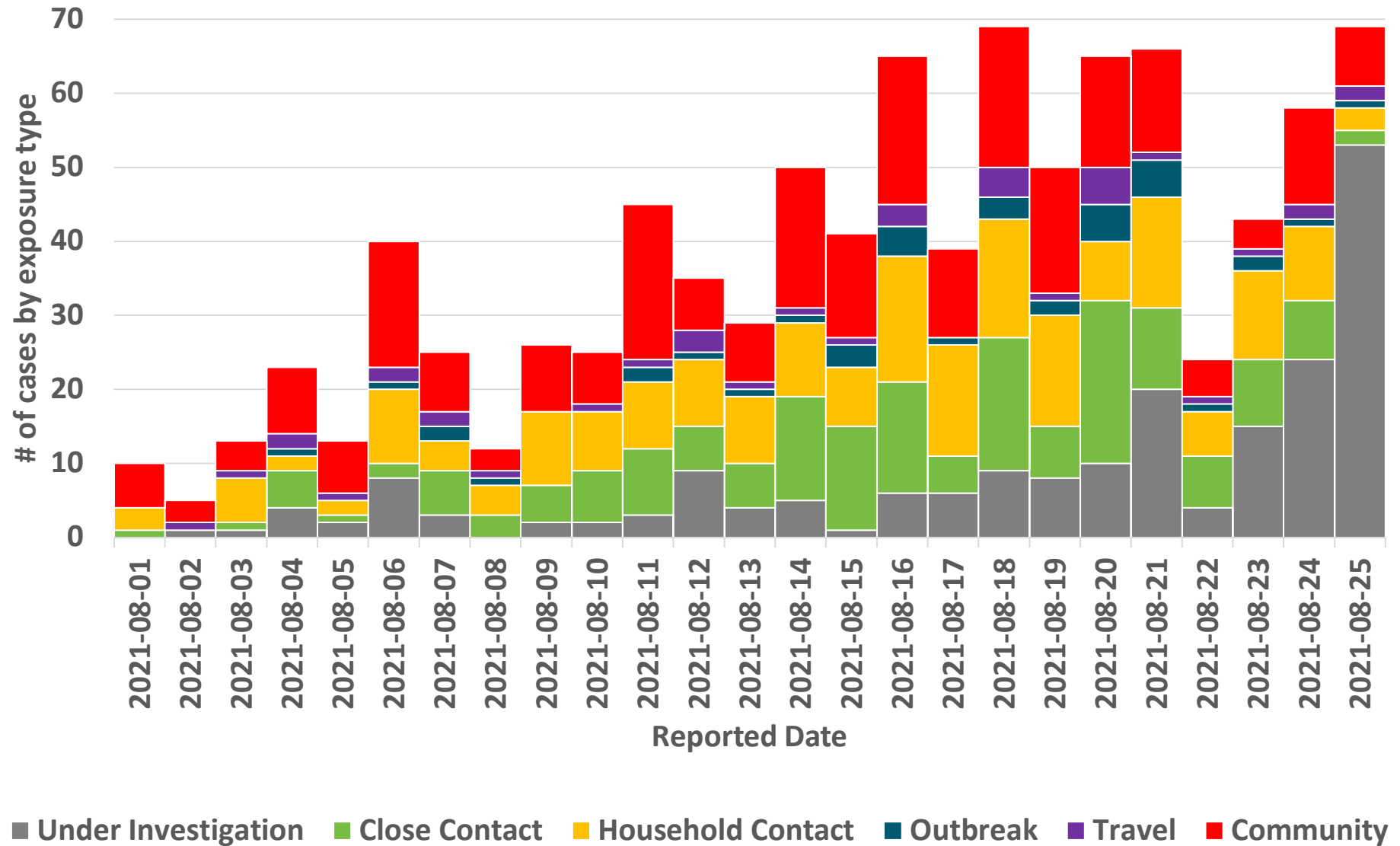
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# Age & Sex Distribution



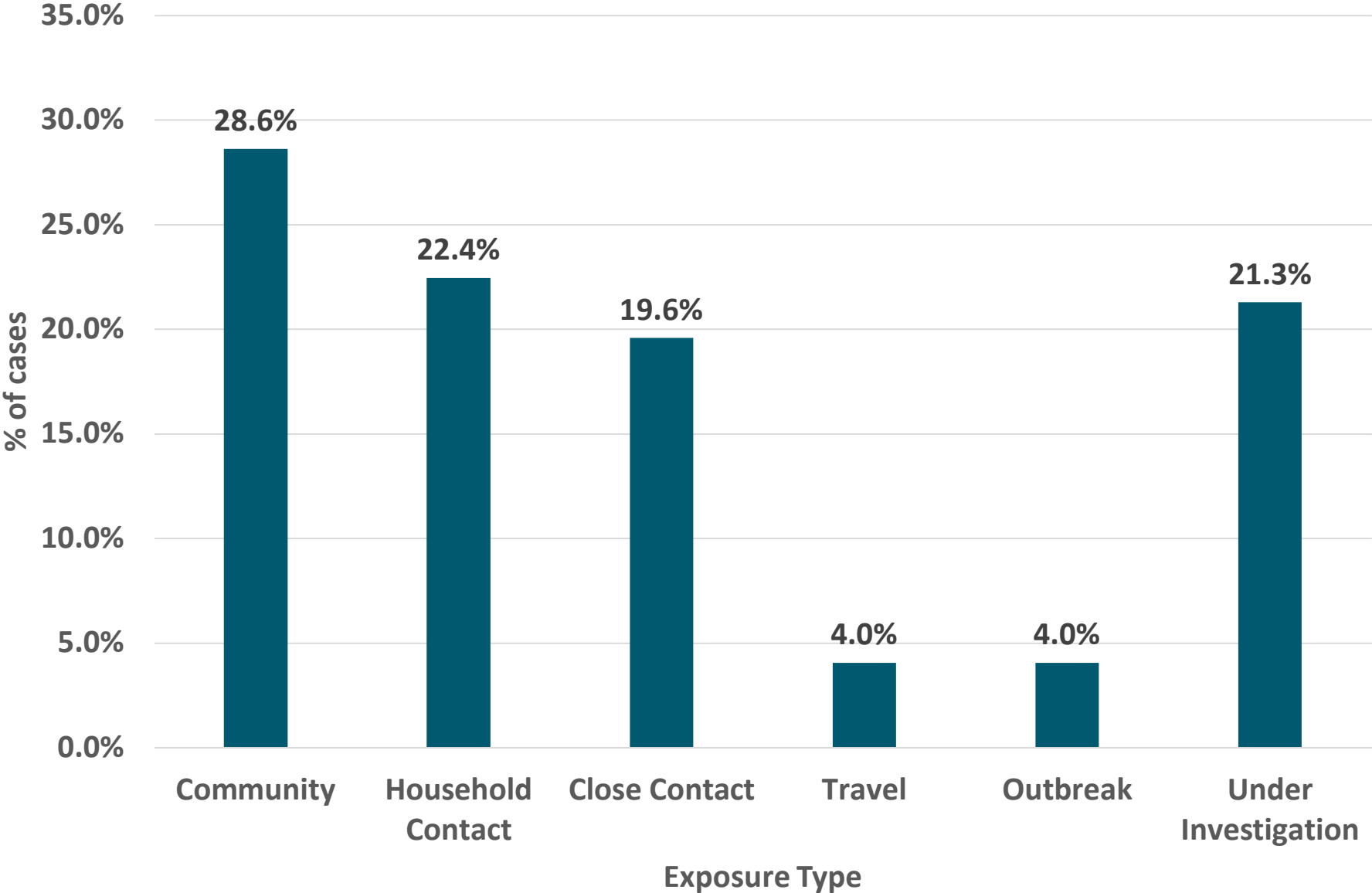
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# Exposure History by Reported Date (August to Present)

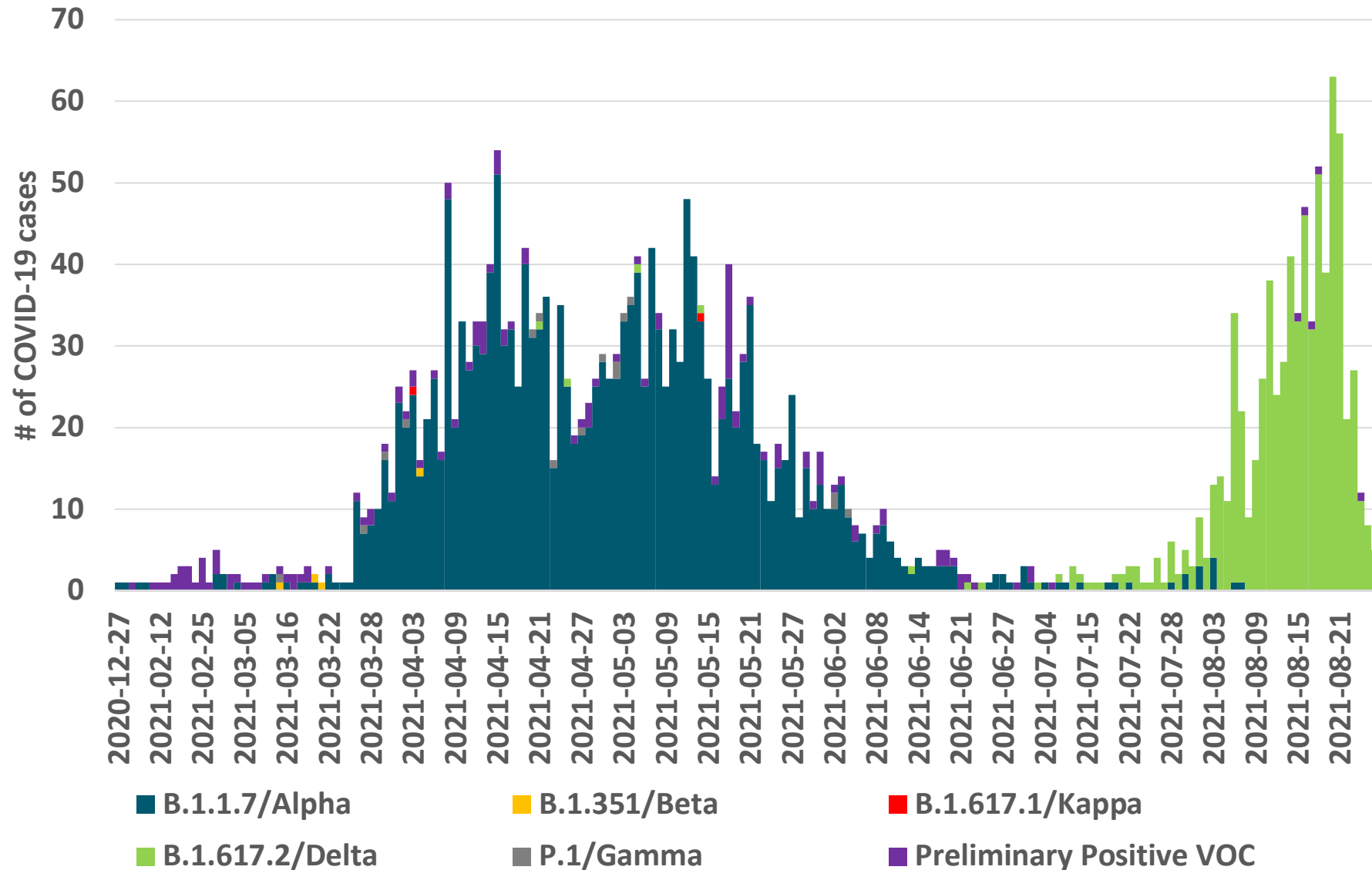


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# Source of Acquisition (August to Present)

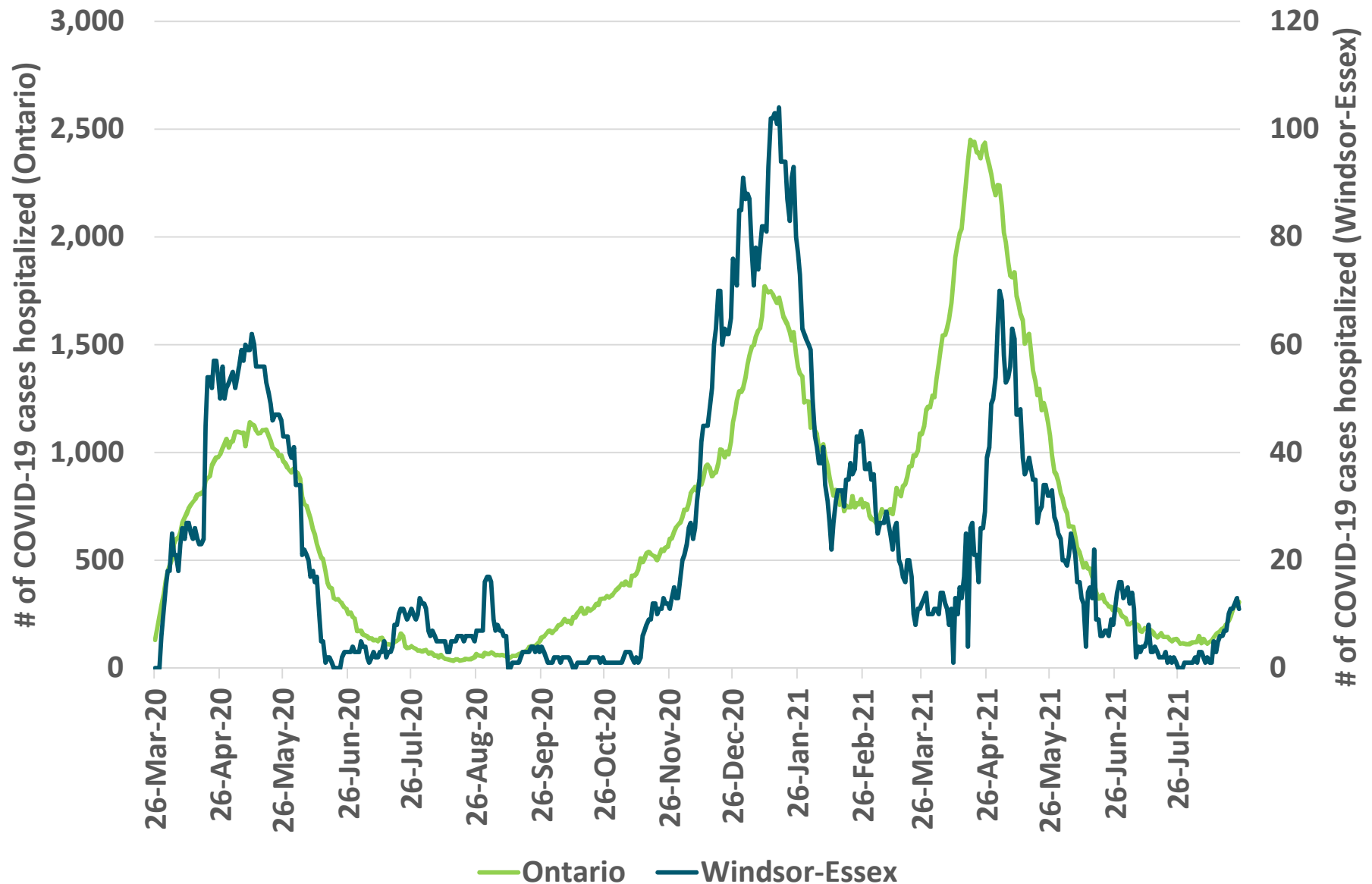


# Variants of Concern by Date



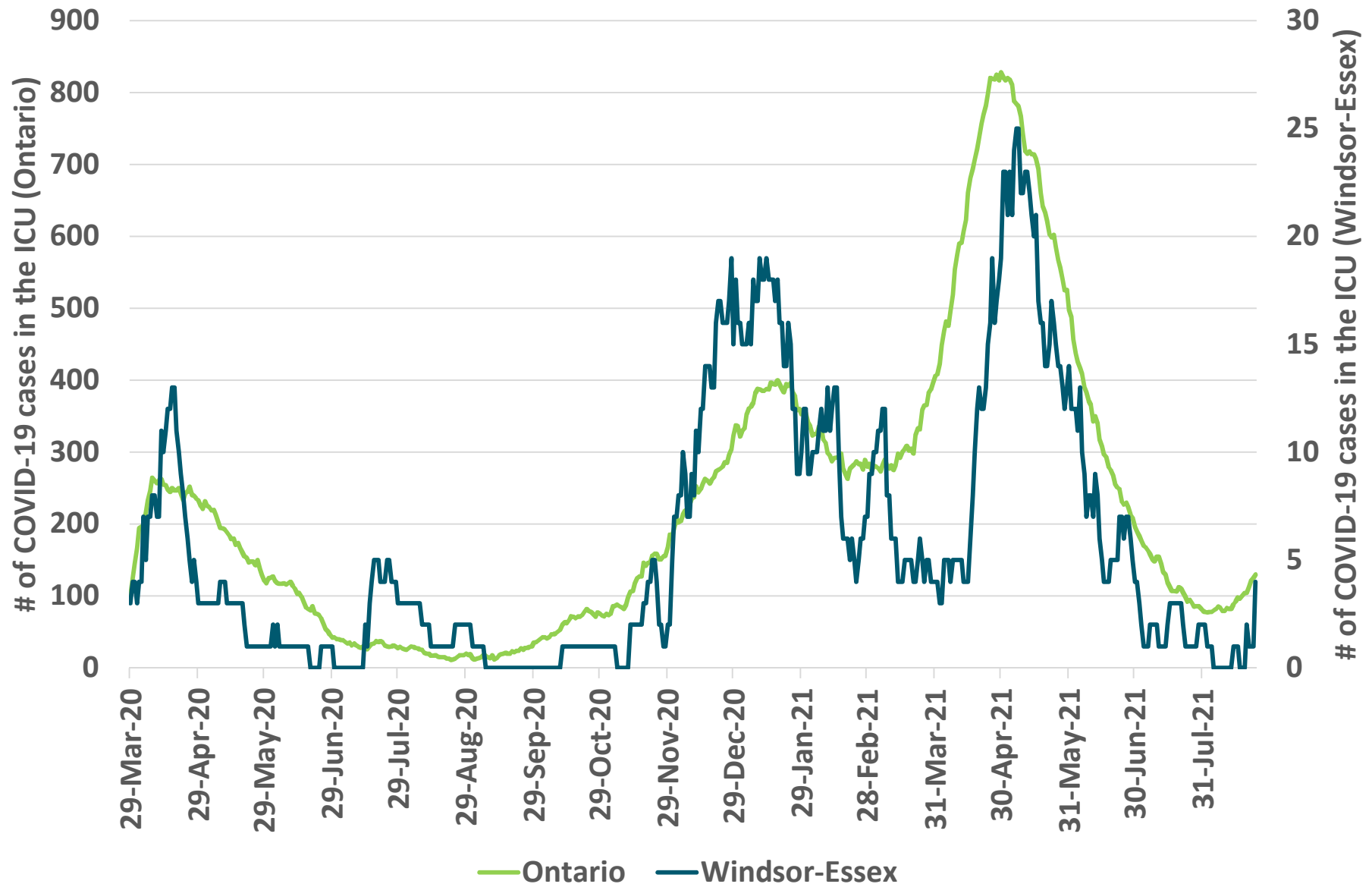
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# COVID-19 In-Patient Hospitalizations



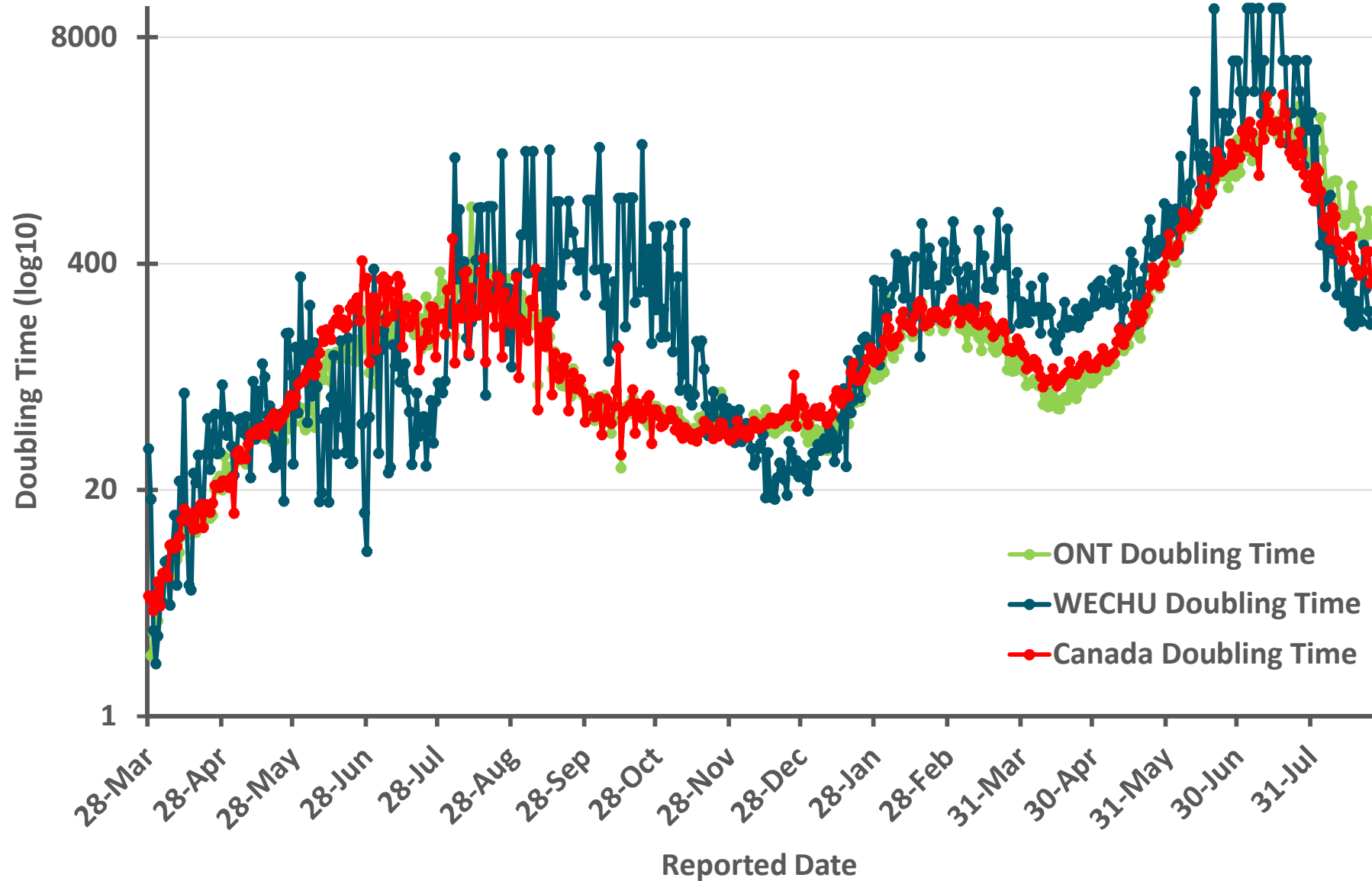


# COVID-19 ICU



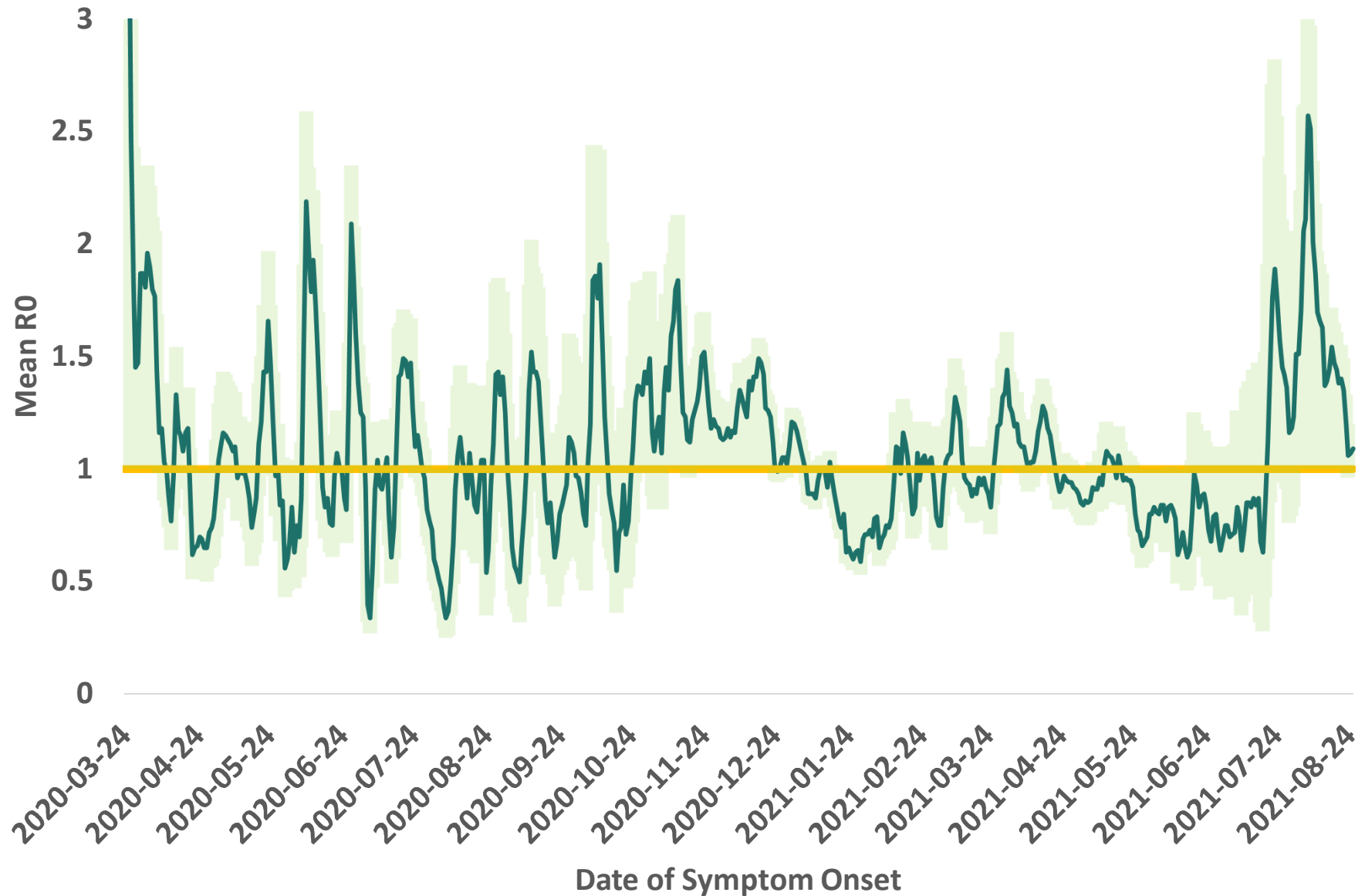
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# Doubling Time (Day over Day Comparison)



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# Median R0 (Effective)



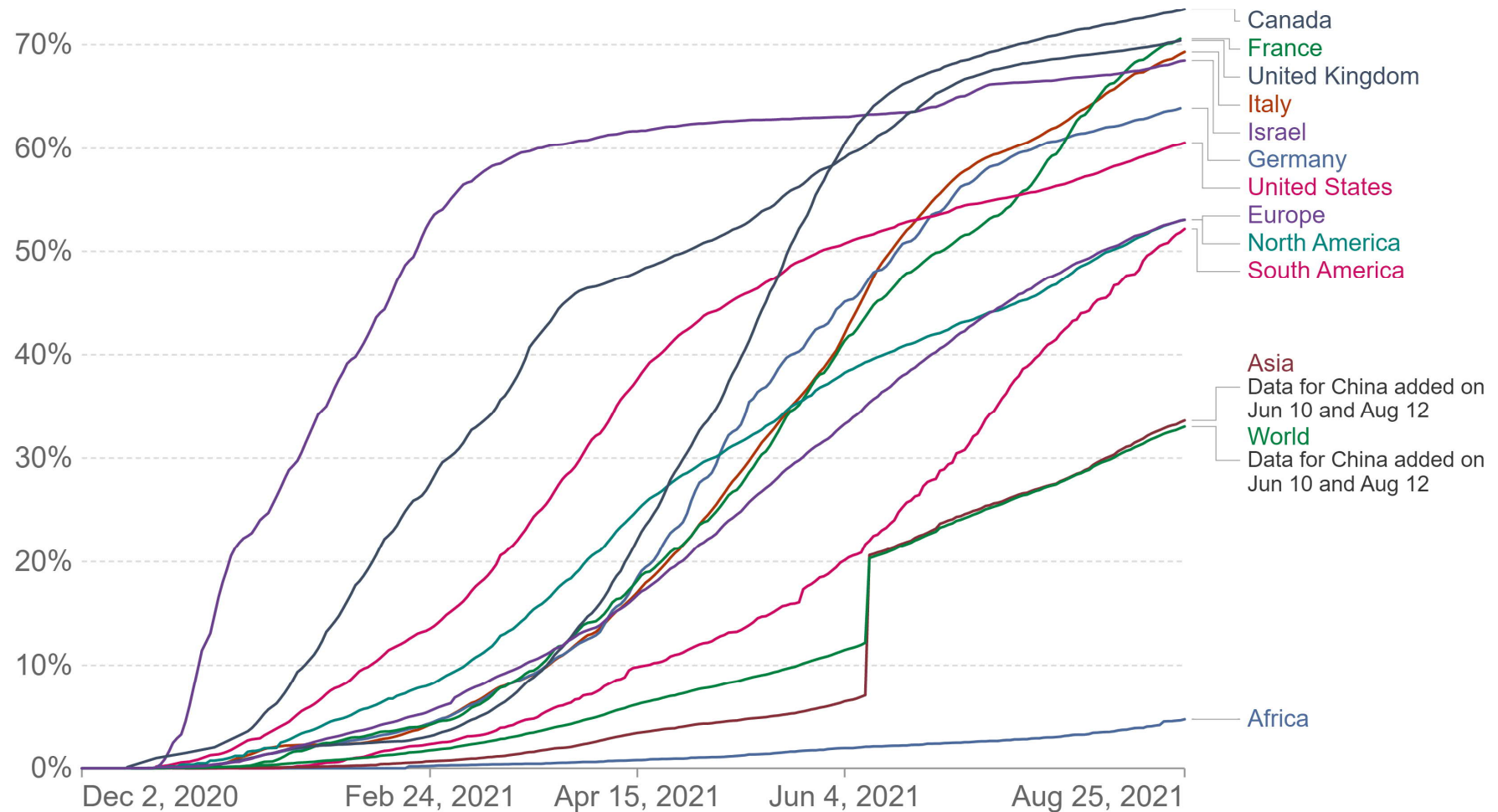
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# COVID-19 Vaccine Status

# 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.

Our World  
in Data



Source: Official data collated by Our World in Data. This data is only available for countries which report the breakdown of doses administered by first and second doses.

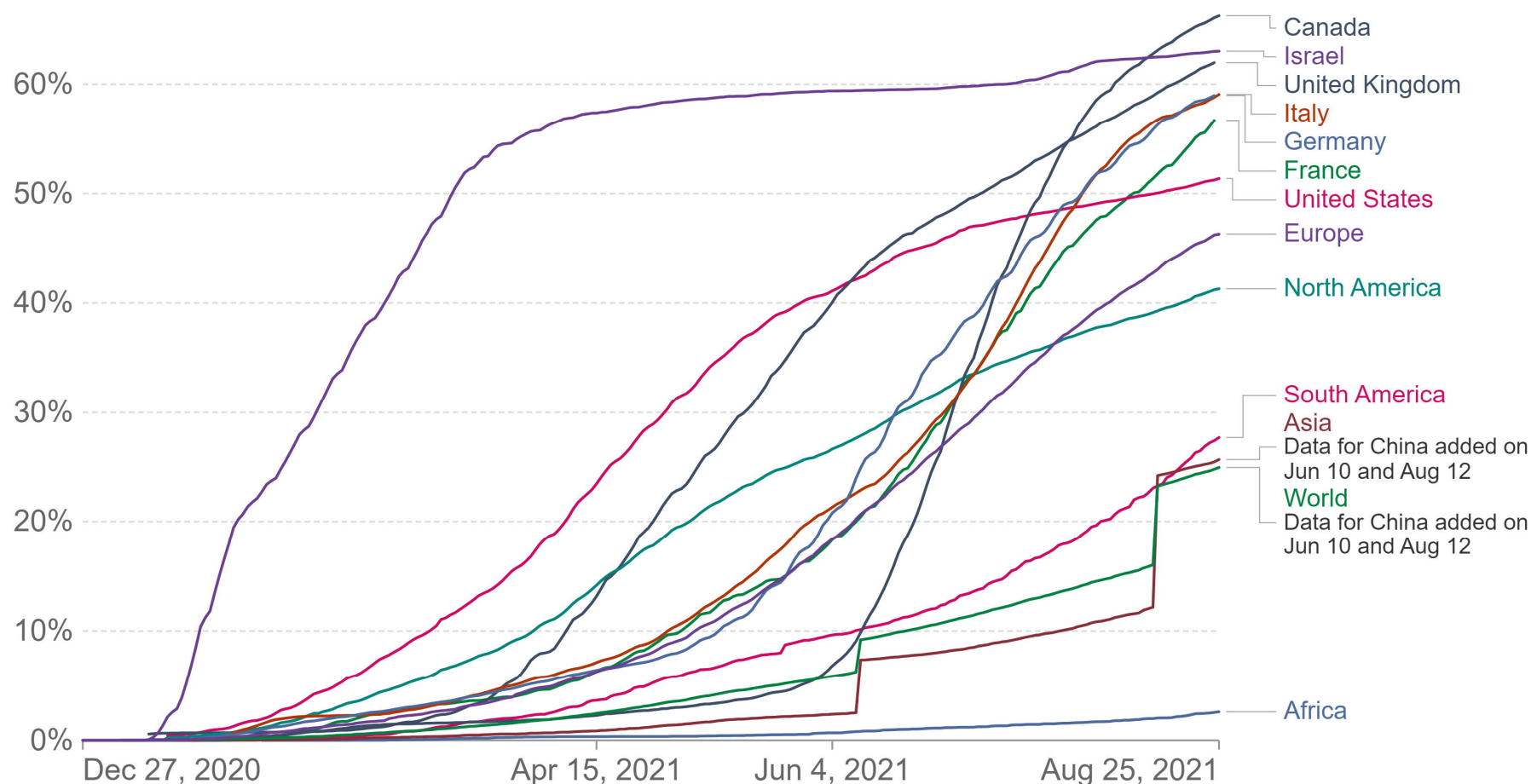
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# Share of the population fully vaccinated against COVID-19

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

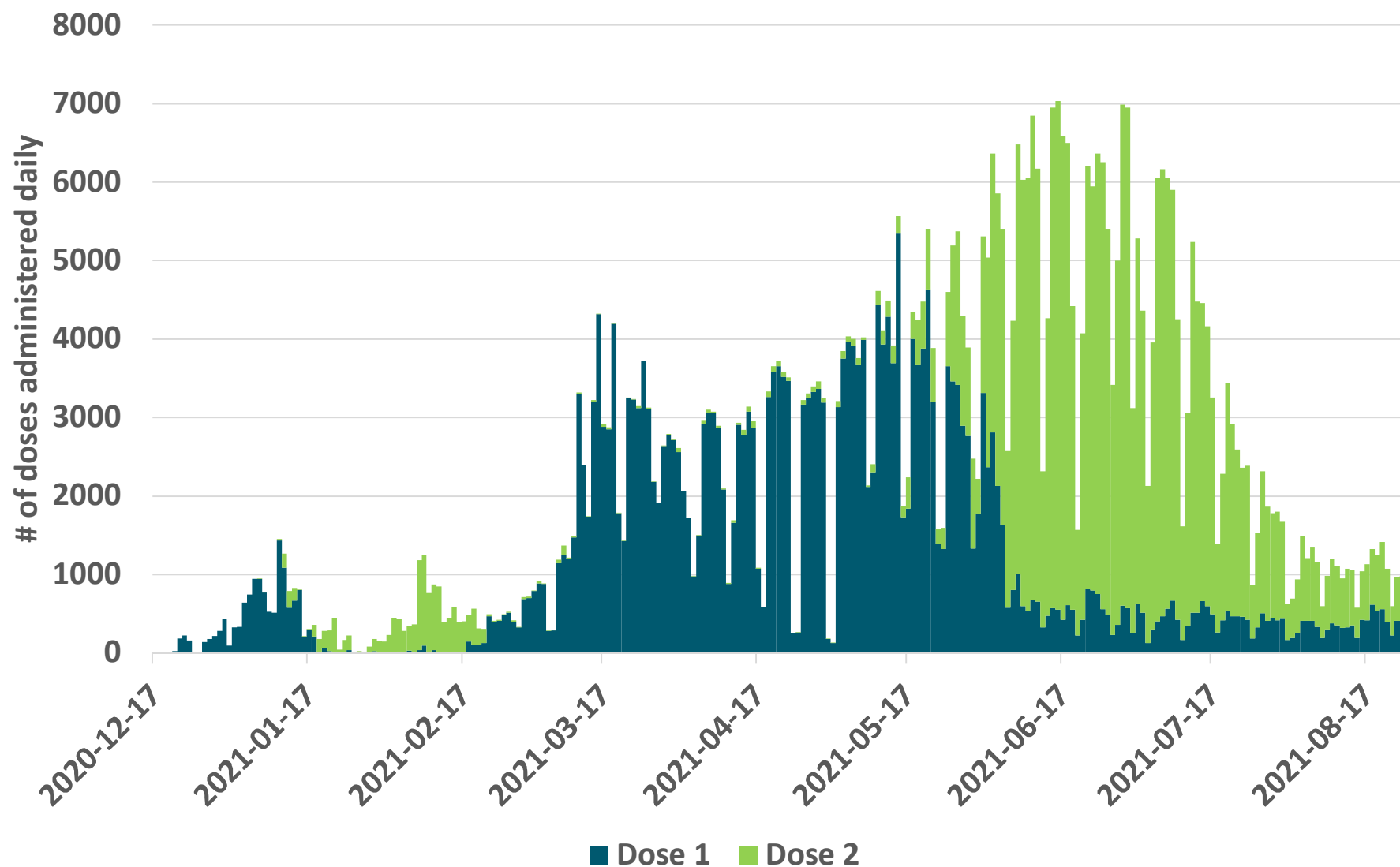
Our World  
in Data



Source: Official data collated by Our World in Data. This data is only available for countries which report the breakdown of doses administered by first and second doses. 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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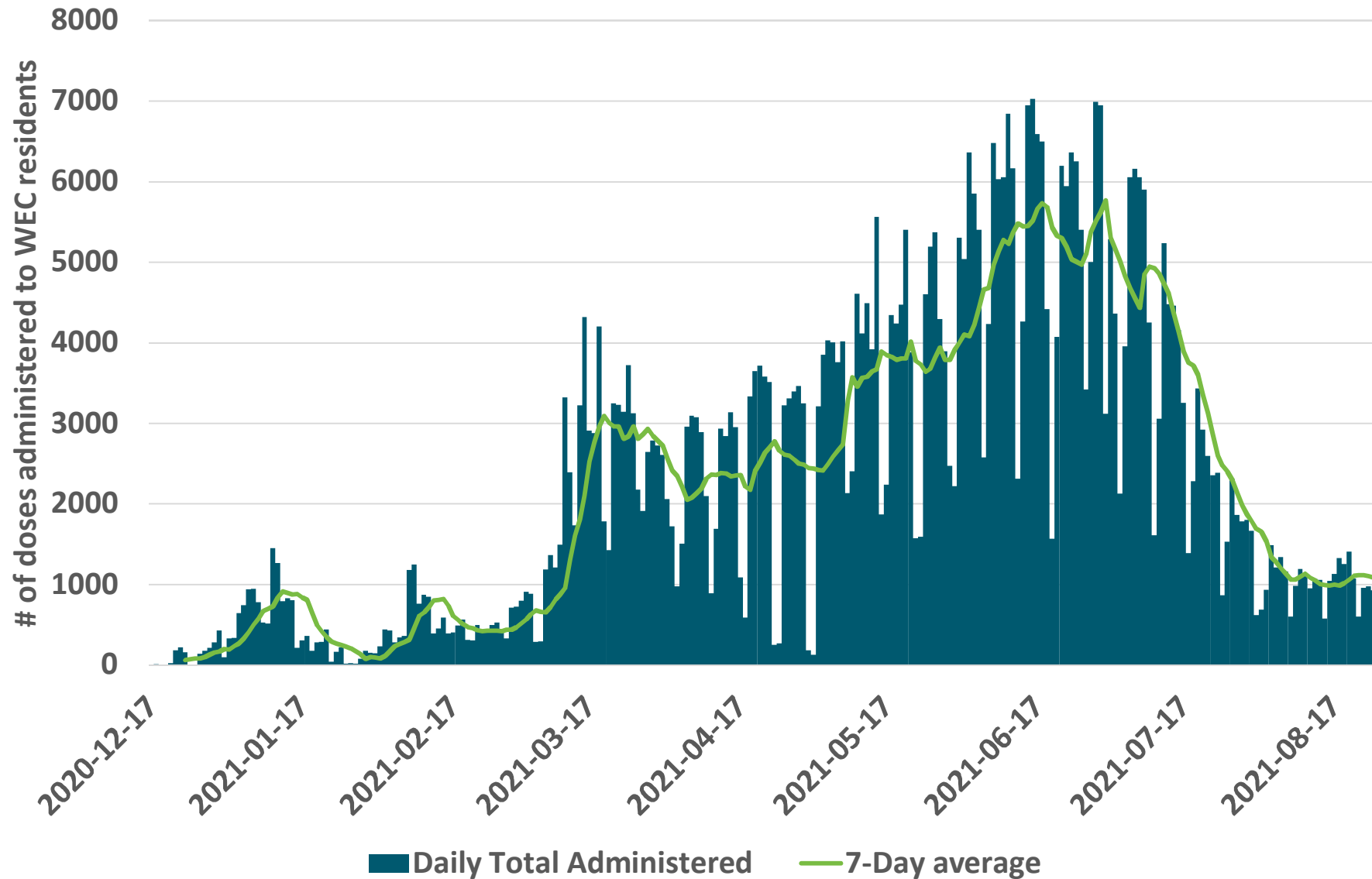
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# Number of Vaccine Doses Administered Daily to Windsor-Essex Residents



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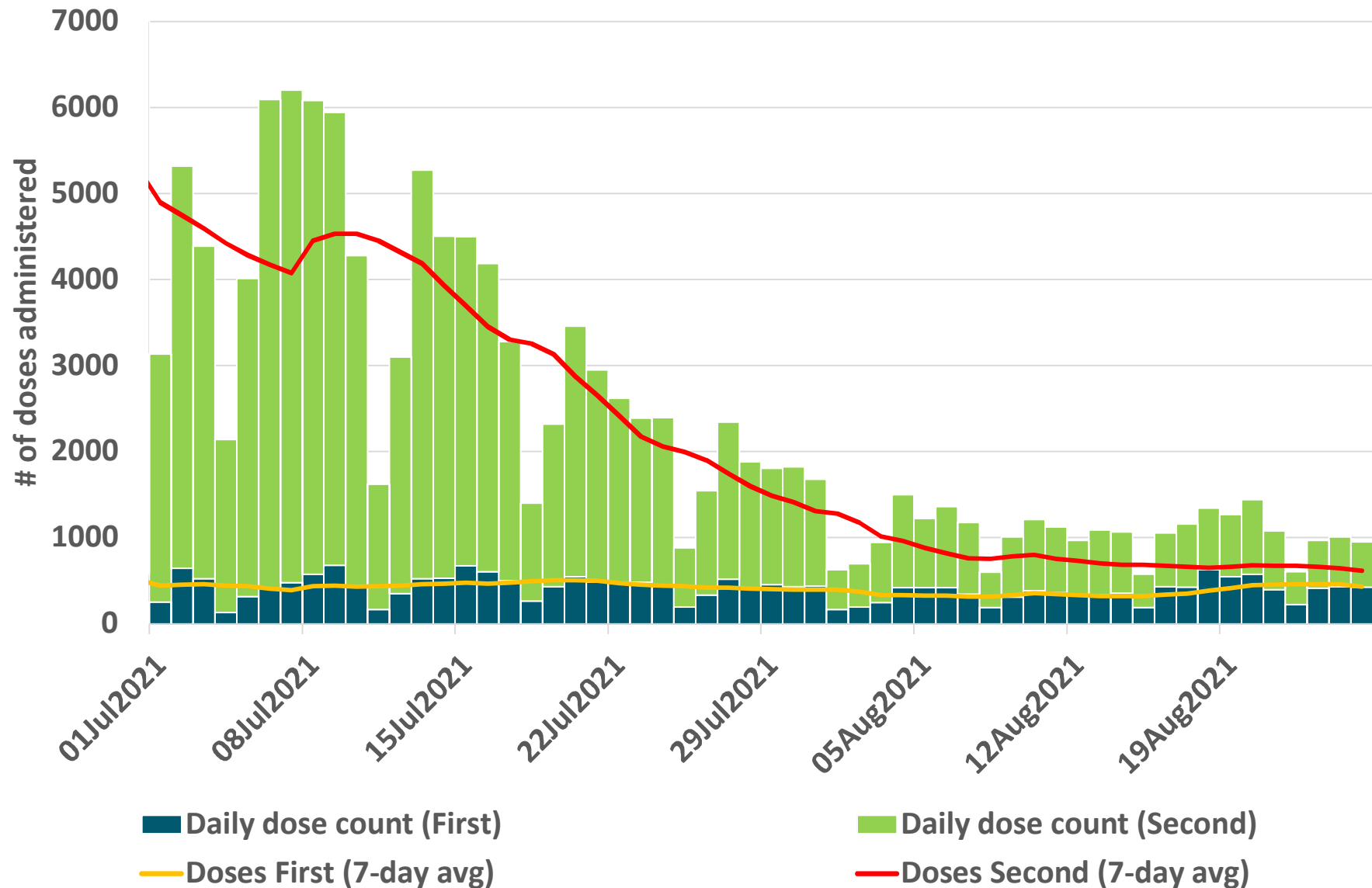
# Daily Doses Administered to Windsor-Essex Residents



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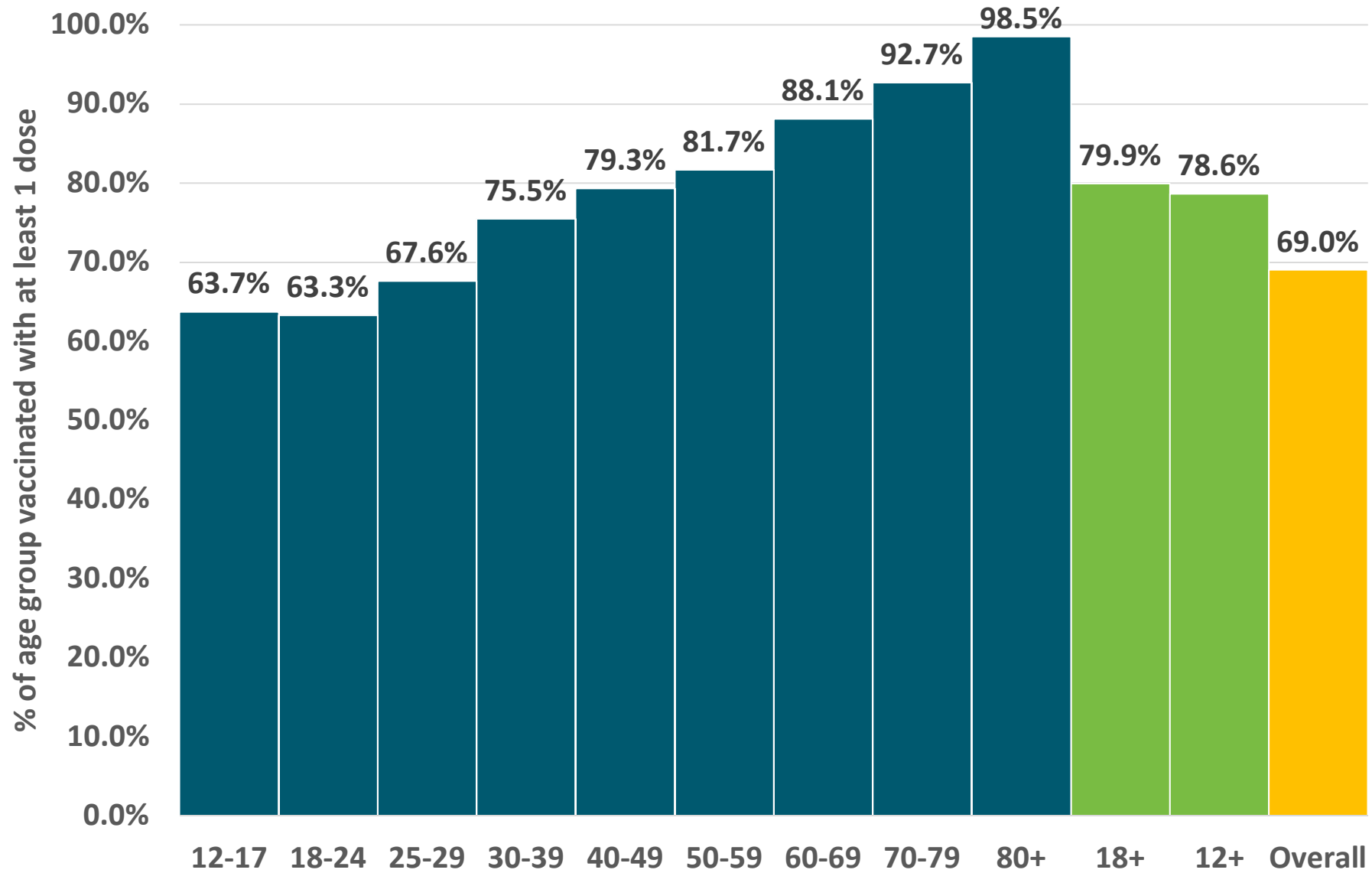


# Daily Doses Administered in Windsor-Essex by Dose (July-Present)



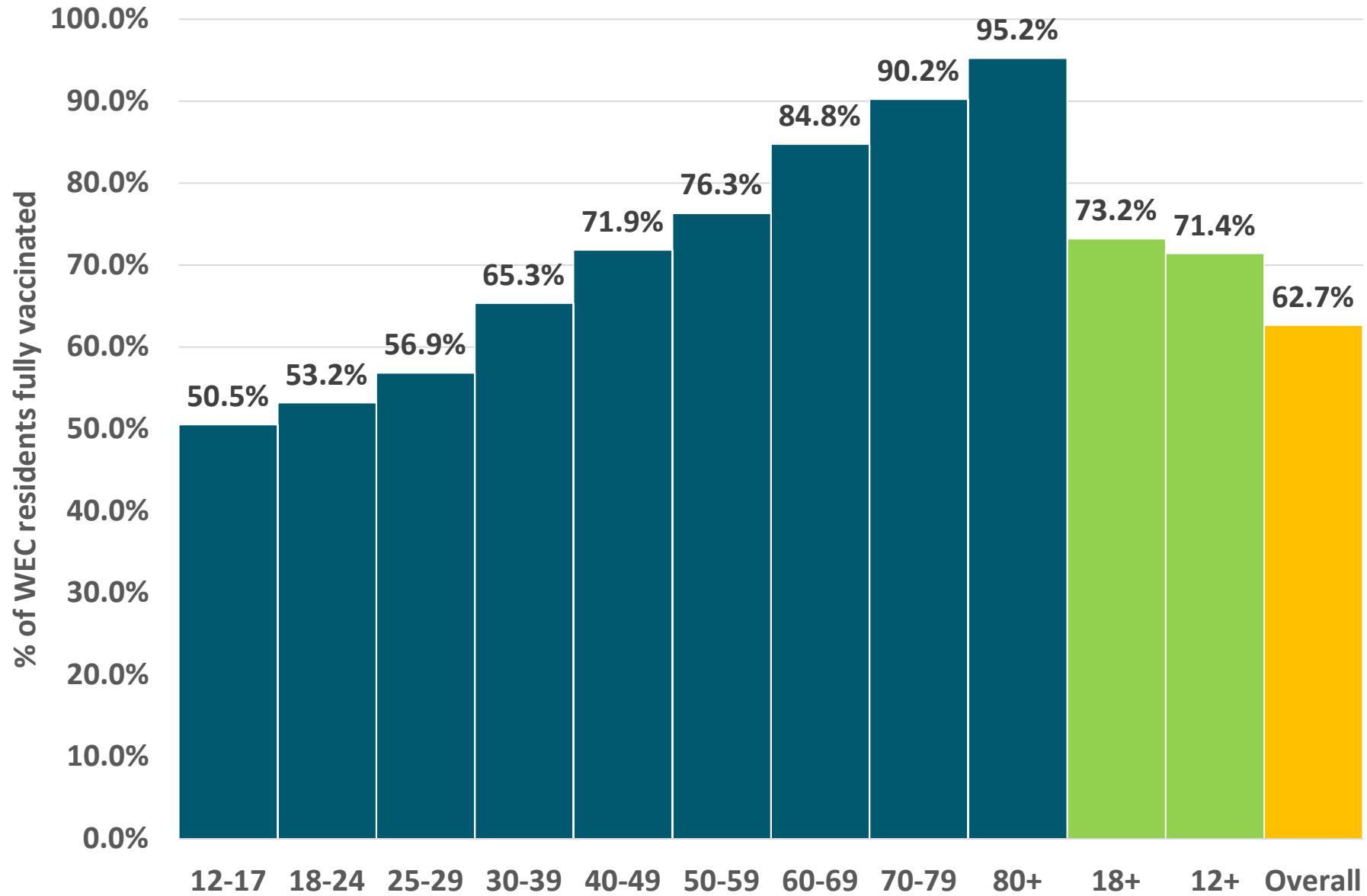
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# WEC Residents Vaccinated With At Least One Dose by Age Group



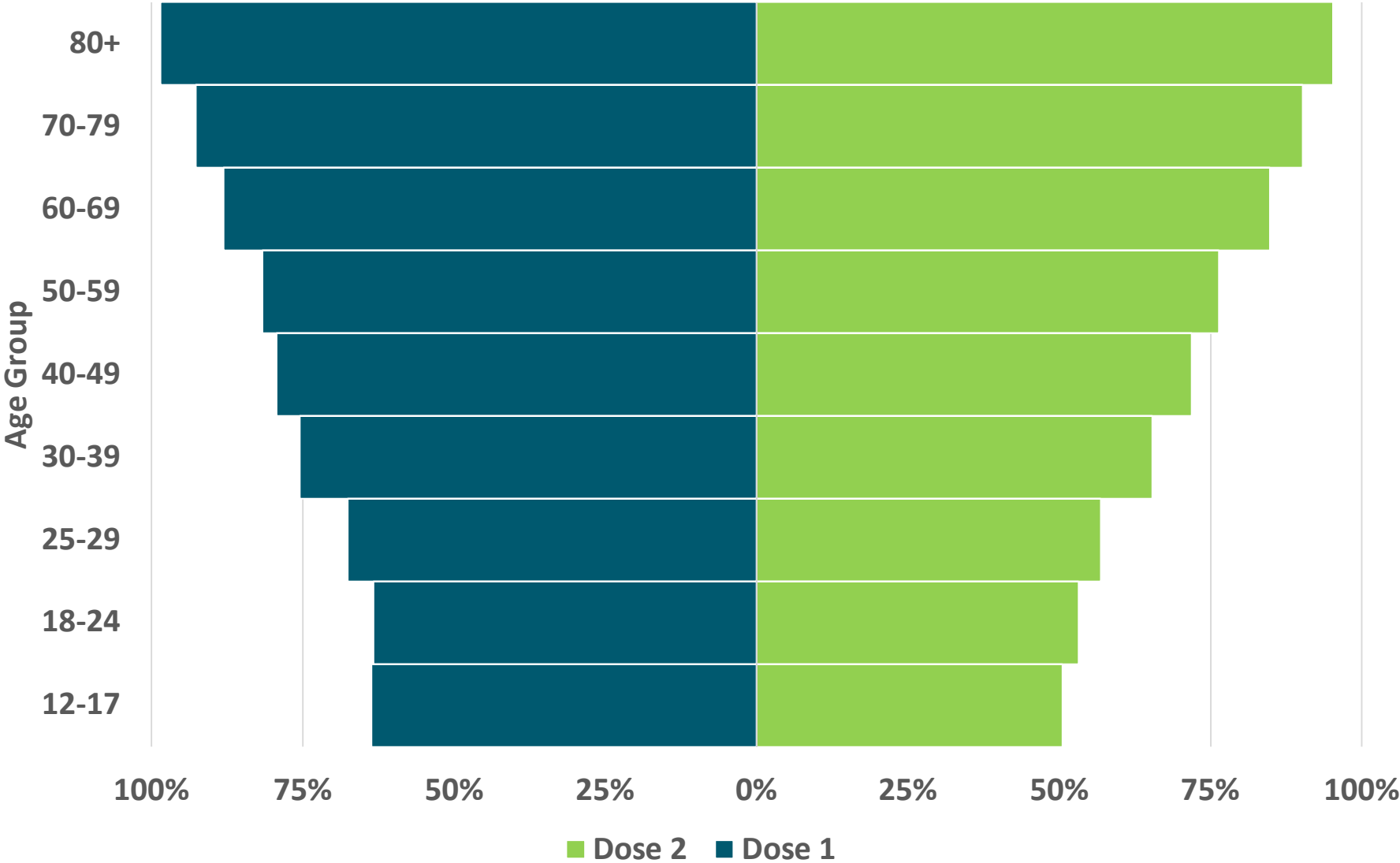
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# WEC Residents Fully Vaccinated by Age Group

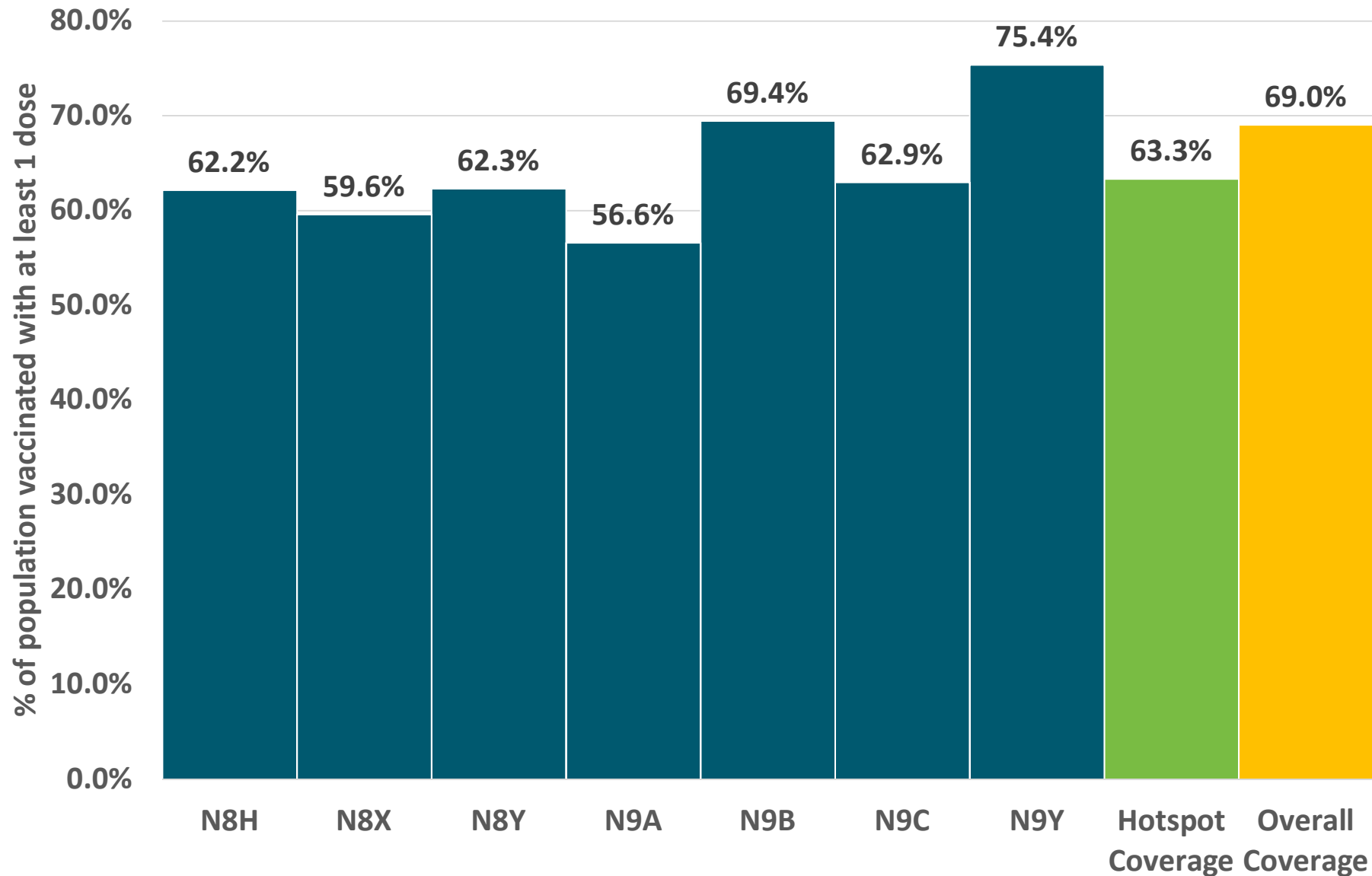


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# First and Second Dose Coverage Rate by Age Group in Windsor-Essex

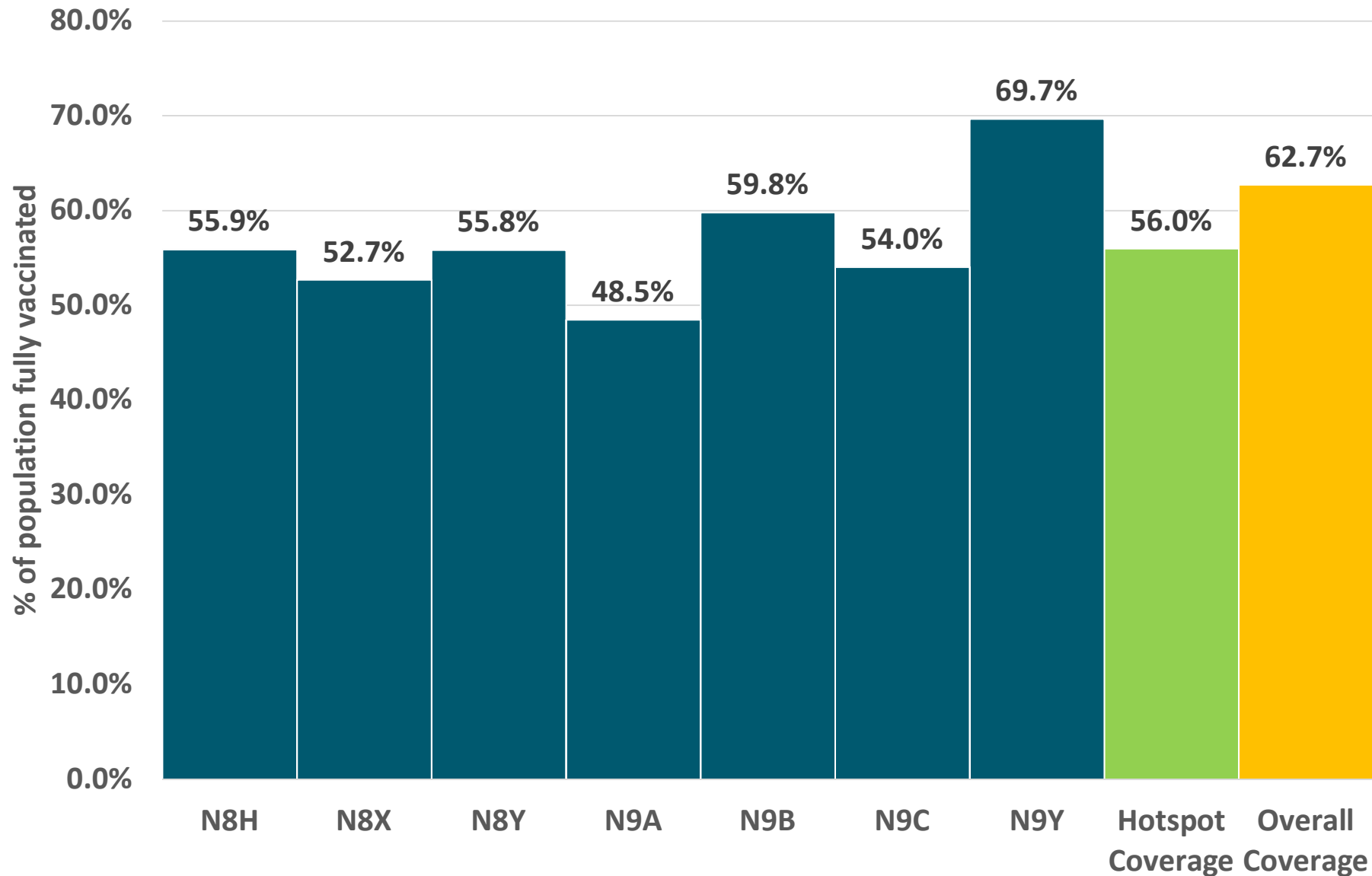


# Vaccine Coverage in WEC Hotspots With at Least 1 Dose Administered (all residents including children)



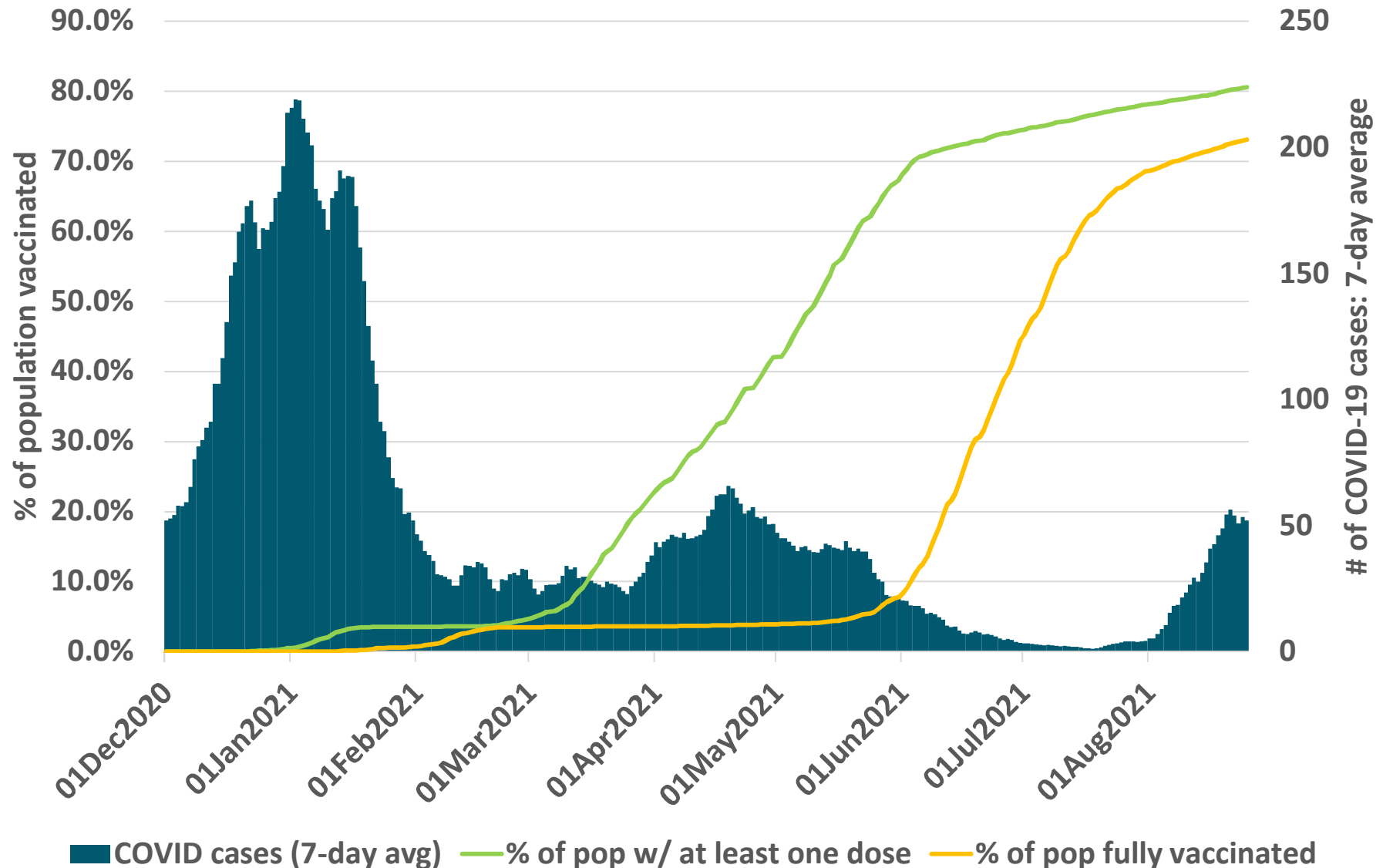
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# Fully Vaccinated Coverage Rates in Hotspots Within Windsor-Essex County (all residents including children)

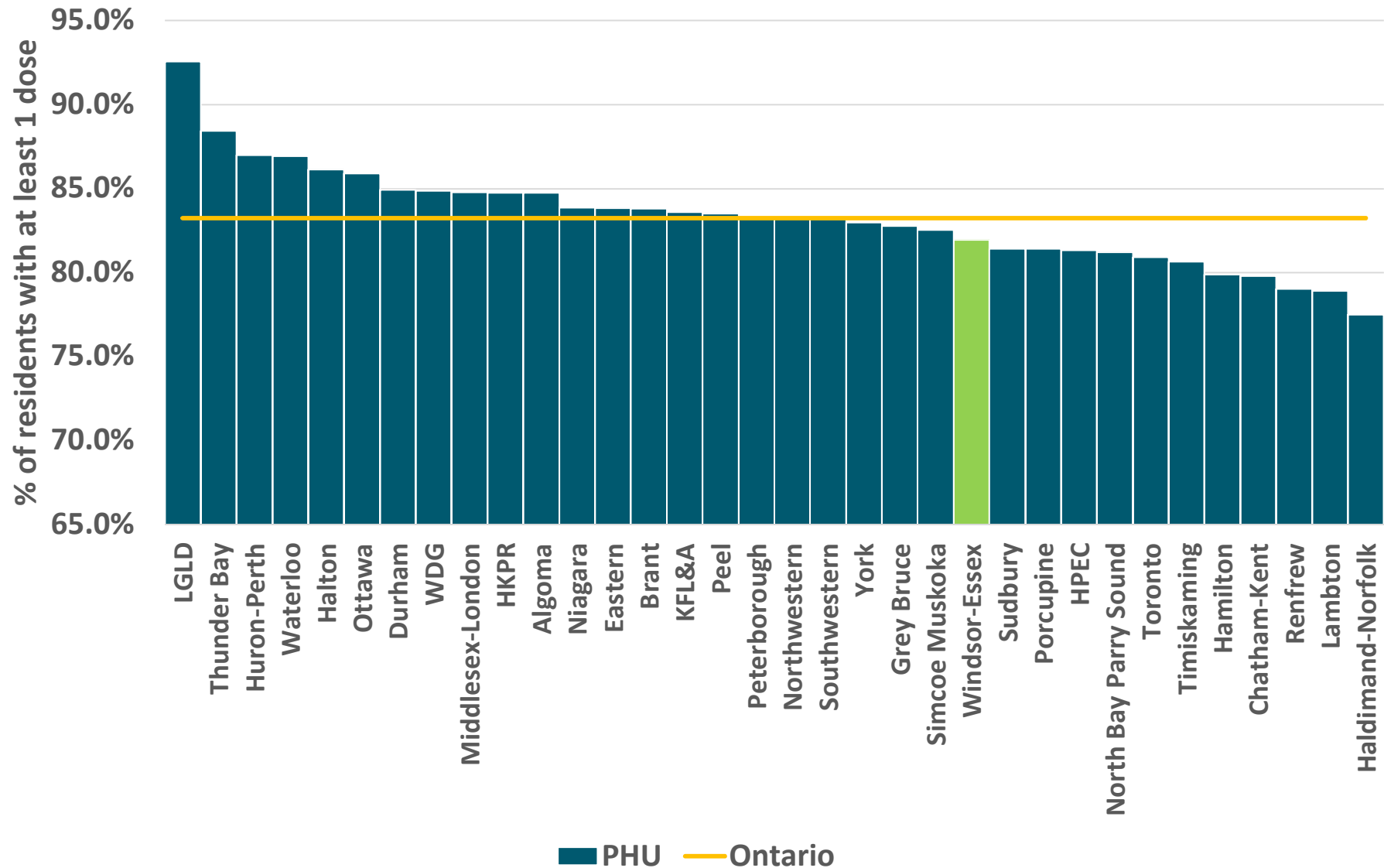


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# COVID-19 Vaccination Coverage Rates (12+) Versus COVID-19 Cases (7-Day Average)

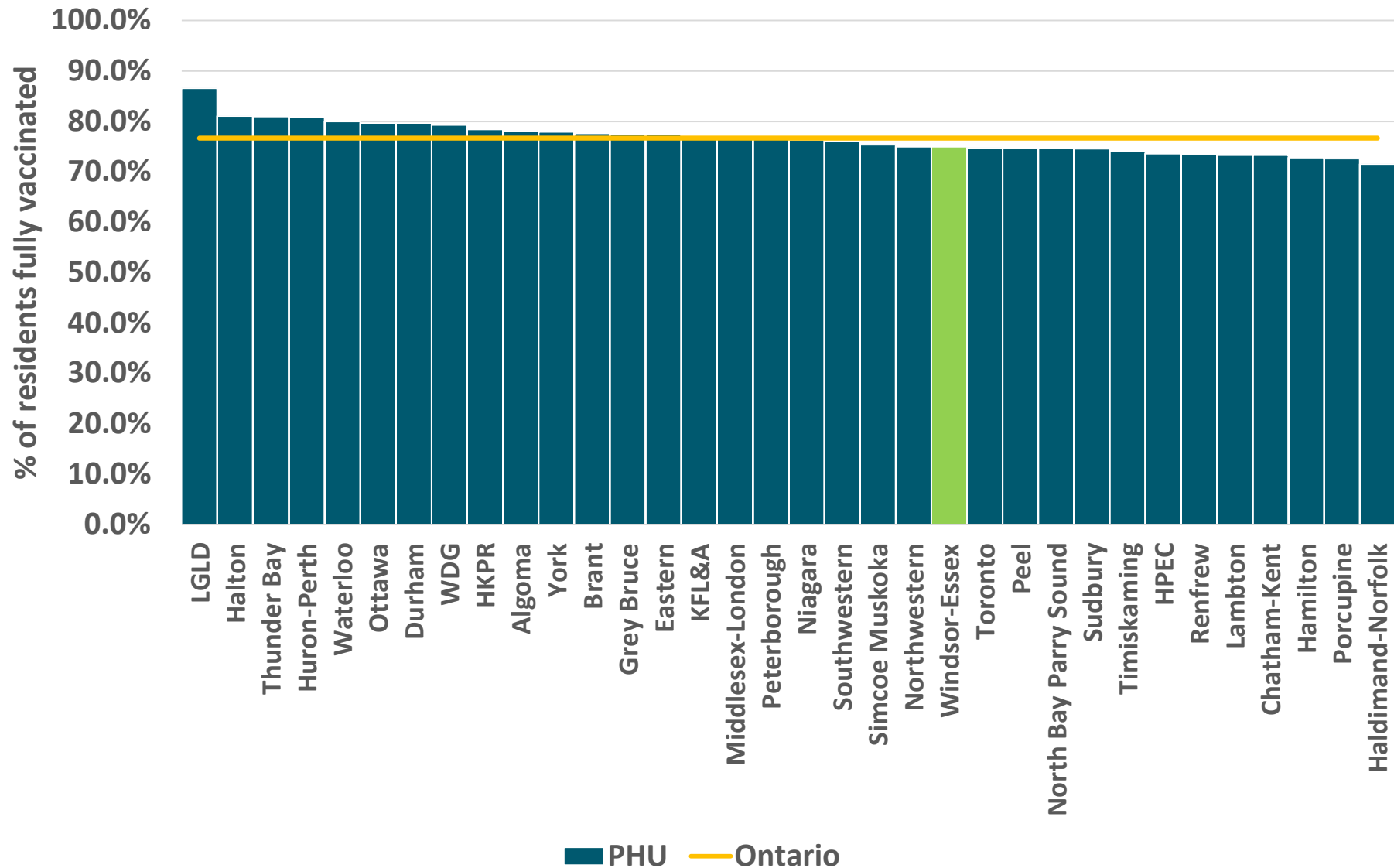


# Percentage of Adults (18+) With At Least 1 Dose by Public Health Unit





# Percentage of Adults (18+) Fully Vaccinated by Public Health Unit



## Summary

- The case rate in Windsor-Essex County has significantly increased again this week
- Wastewater surveillance indicates a rise in COVID-19 in the region
- COVID-19 related hospitalizations & ICU have increased this week
- First dose vaccination coverage rate for all of WEC is 69.0%, up from 68.4% last week
- Second dose vaccination coverage rate for all of WEC is 62.7%, up from 61.7% last week

# Summary of Monitoring Indicators for WEC

- Most recent completed weekly case rate = 87.5 cases/100,000 population
  - Most recent 7-day rate = 86.8 cases/100,000 population
- Percent positivity = 7.5% (full week)
  - Most recent 7-days percent positivity = 7.6%
- $R_0$  (effective) = 1.09
- Outbreaks are increasing in the region
- 79.9% of Windsor-Essex adults with at least 1 dose
- 73.2% of Windsor-Essex adults fully vaccinated