

COVID-19 NOVEL CORONAVIRUS

*Immunization and COVID-19 Cases:
Race, Ethnicity, Indigeneity (REI) Analysis*

February 1, 2022

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Immunizations By REI Identity

Data extracted January 31, 2022

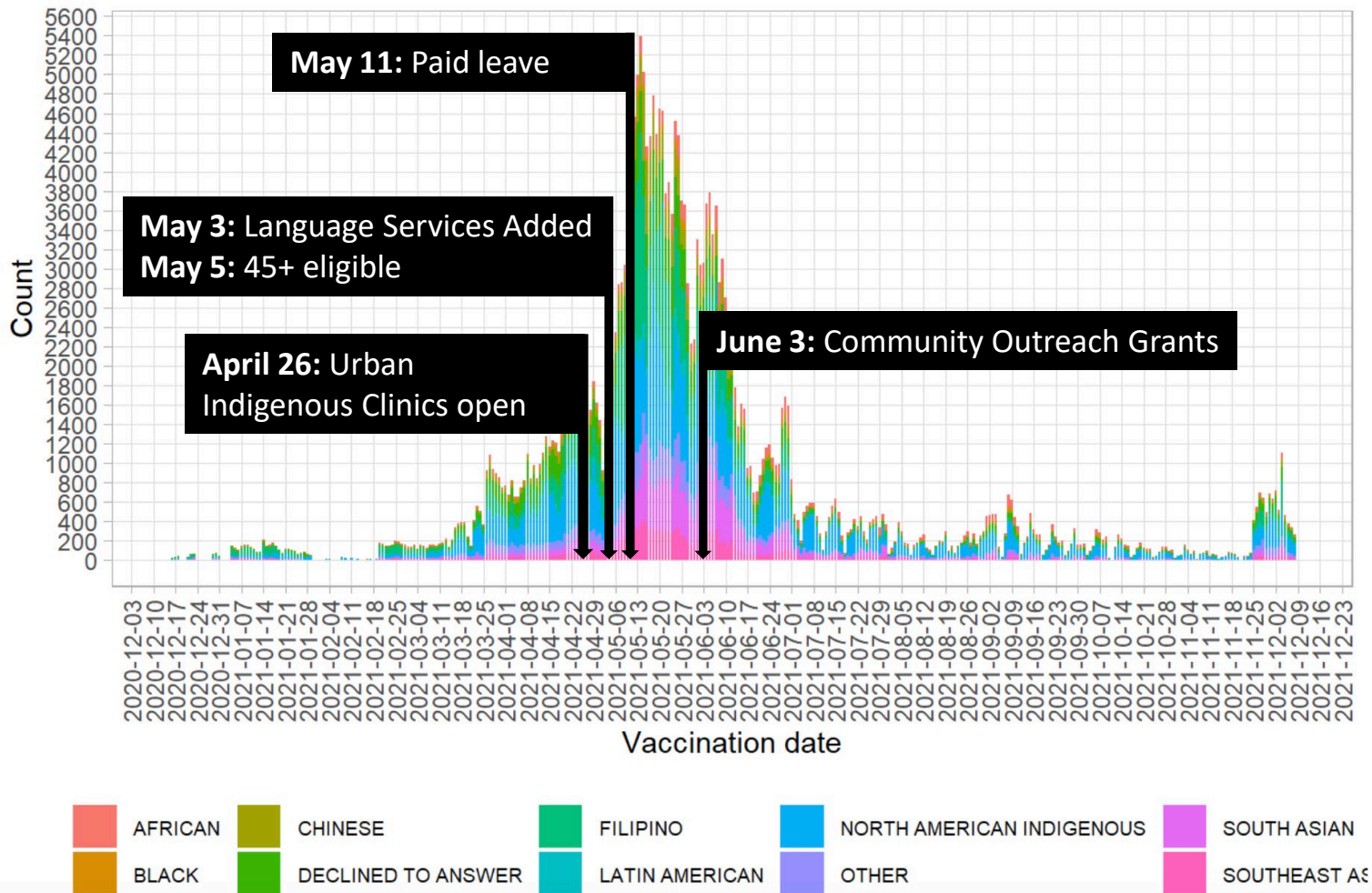
639,649 had received at least 1 dose and had REI identity reported

- 40.7% identify as a member of a BIPOC community
- Of those who are fully vaccinated 39.9% identify as BIPOC
- Of those who have received 3rd dose 28.0% identify as BIPOC
- Of those who received a 1st dose of Pfizer Pediatric vaccine 50.7% identity as BIPOC

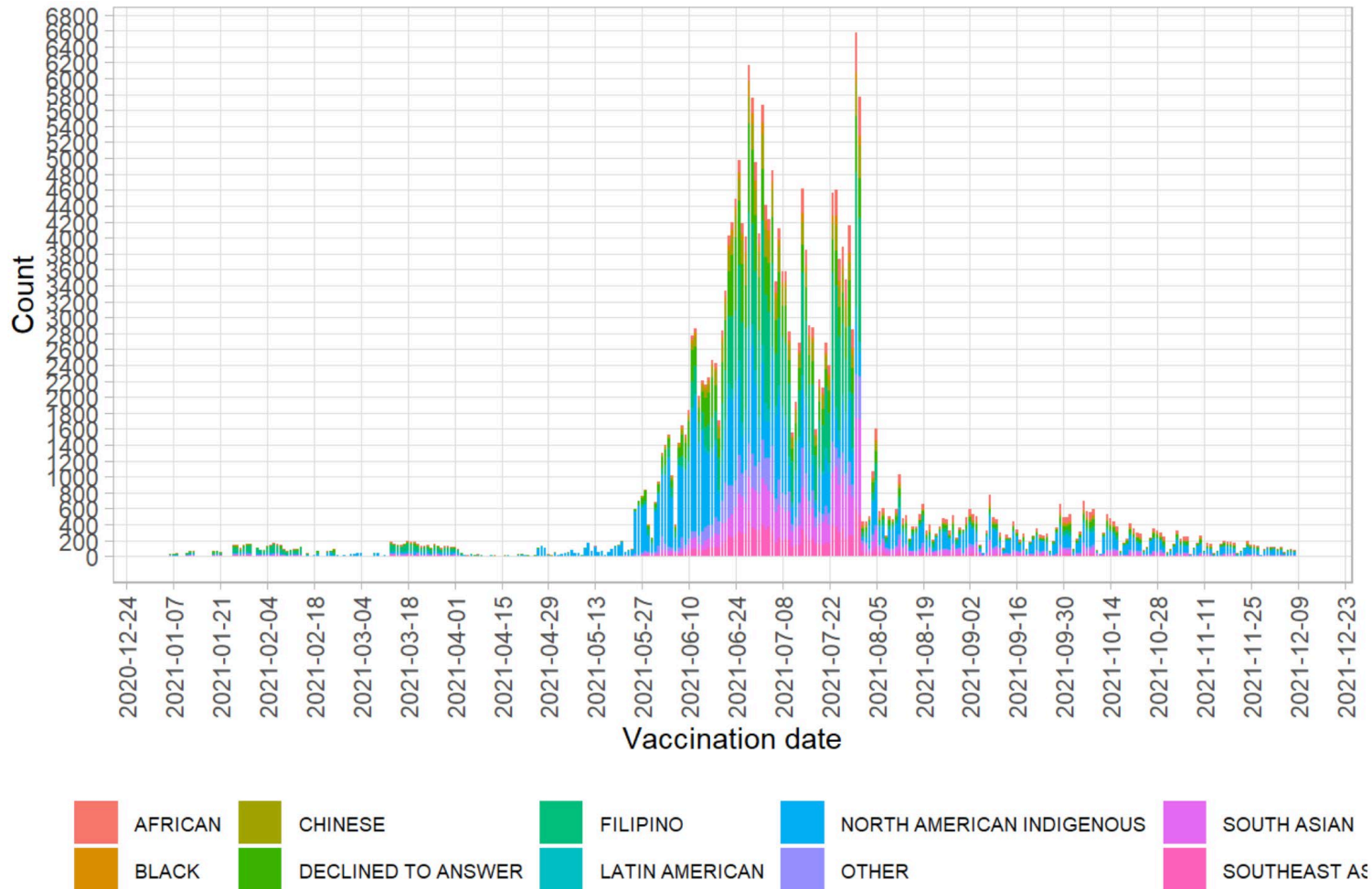
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Timeline of Dose 1



Timeline of Dose 2



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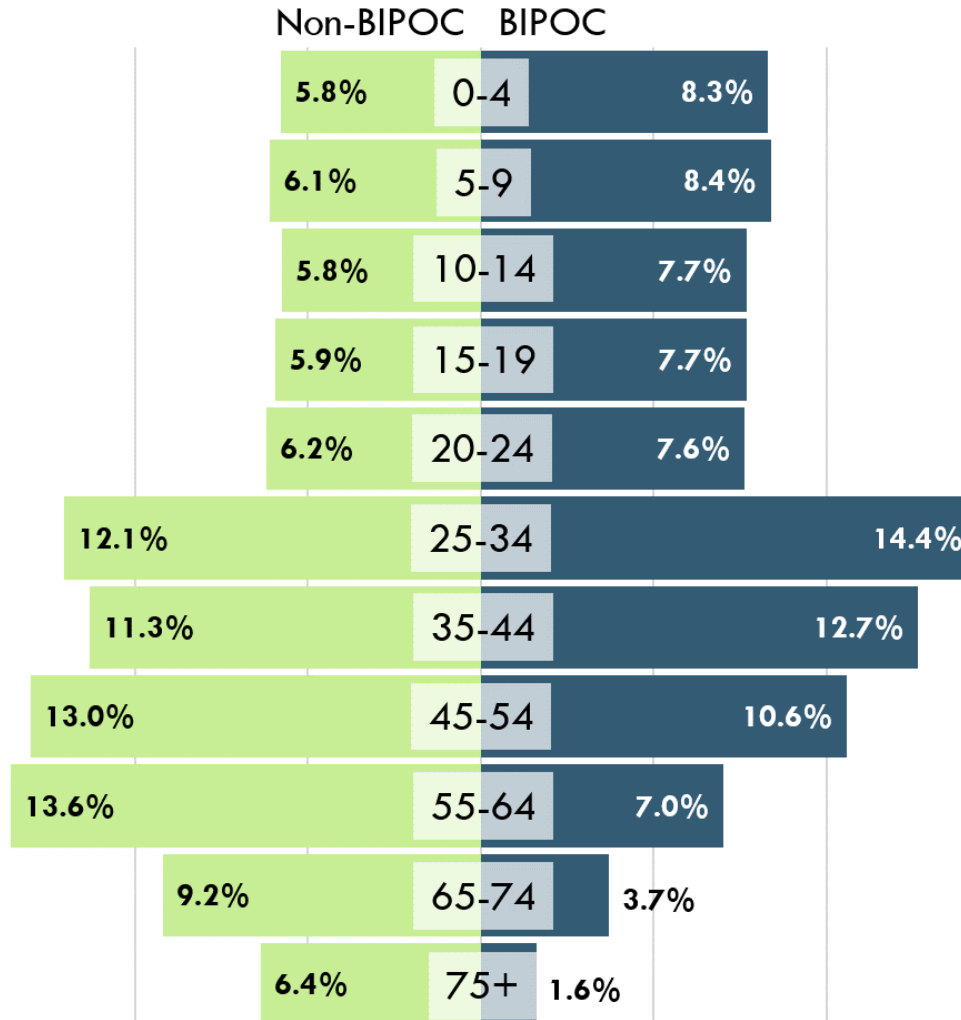
Age Structure in Manitoba, Census 2016

Under 20:
23.6%

Under 20:
32.1%

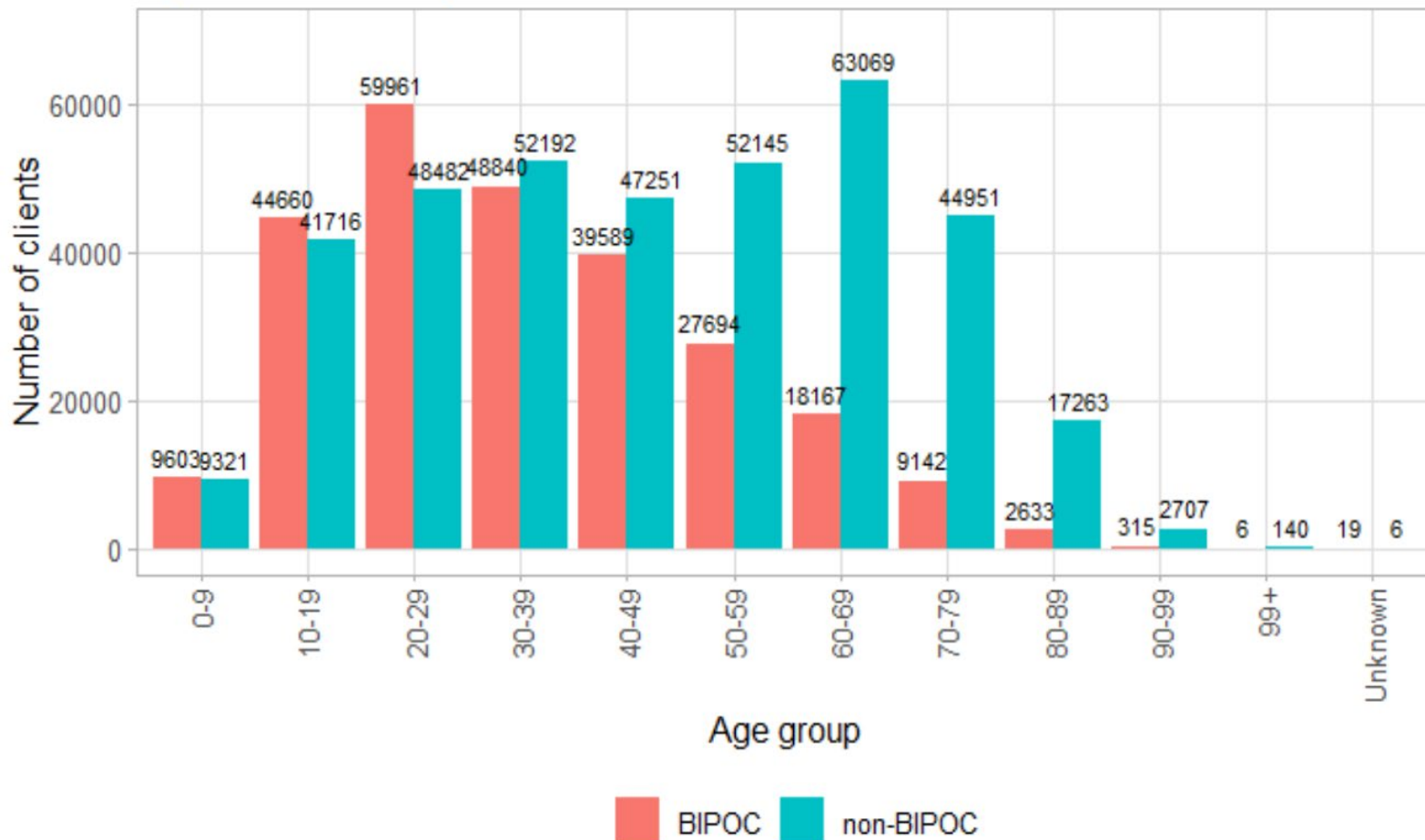
Over 65:
15.6%

Over 65:
5.3%

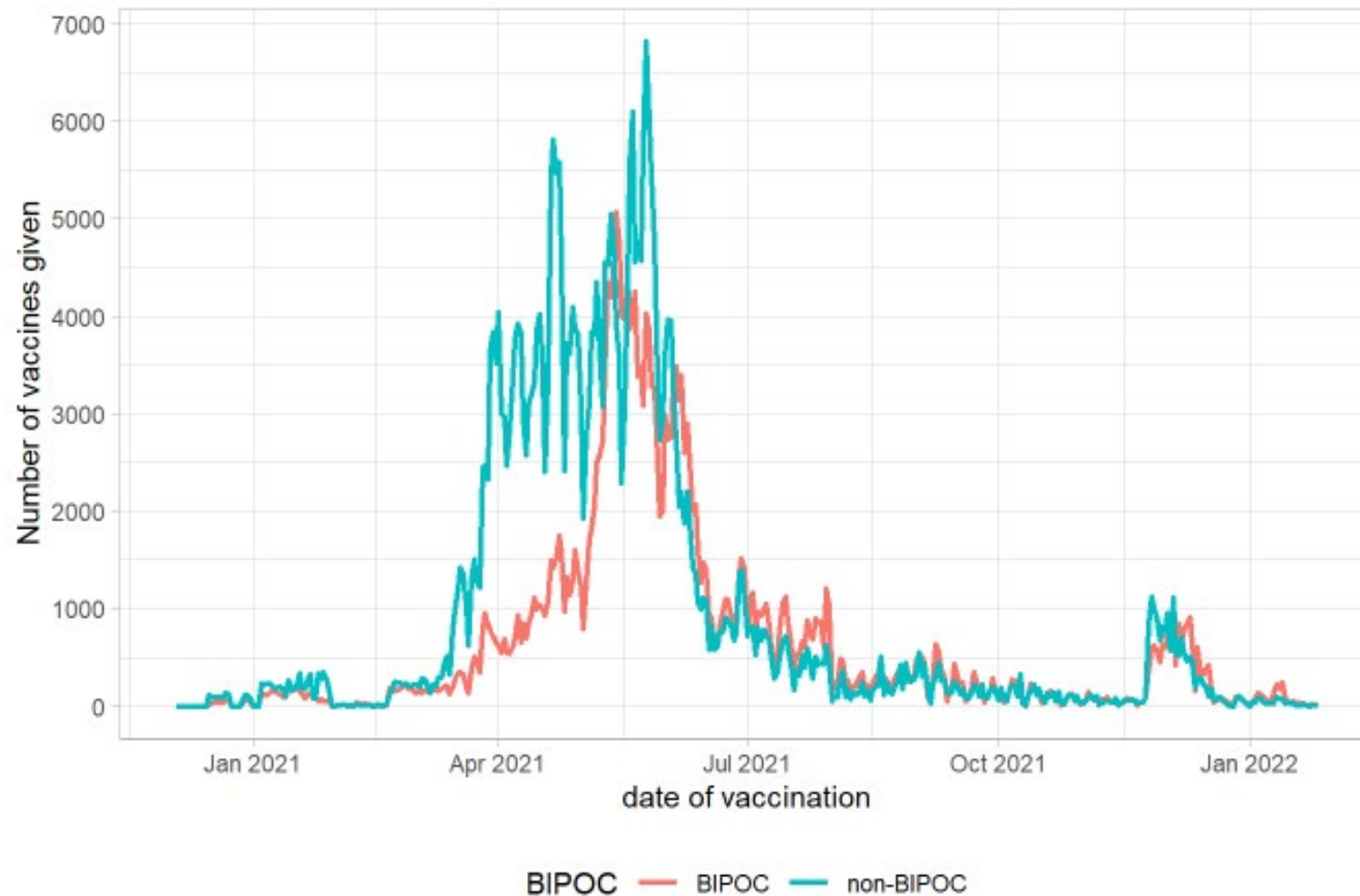


Vaccine Doses By Age

Age distribution by BIPOC status

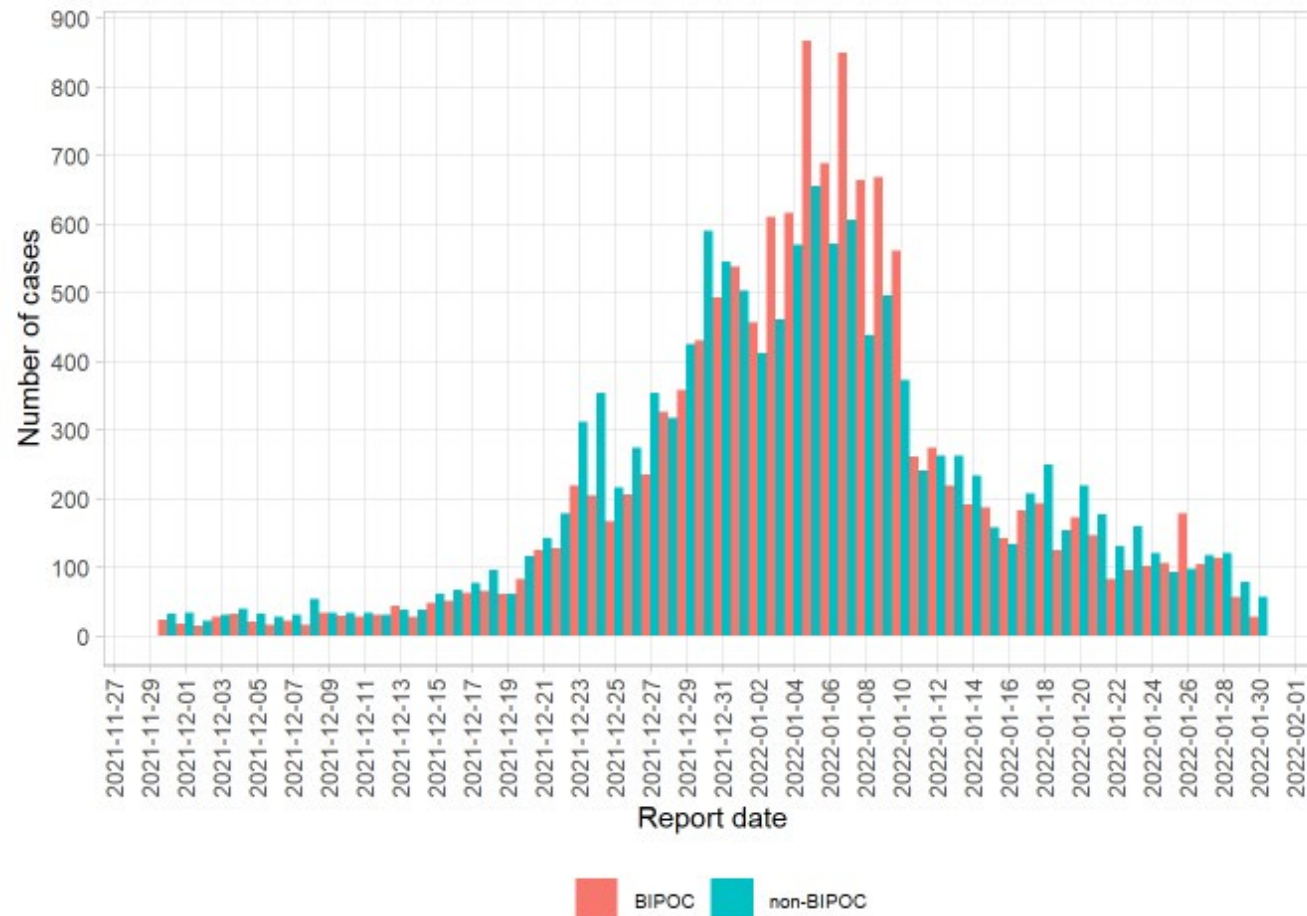


Timeline of Vaccination - Dose 1 by BIPOC Status



Breakthrough Case Epidemic Curve since Dec 2021

Only fully vaccinated/Dose 3 breakthroughs are included.

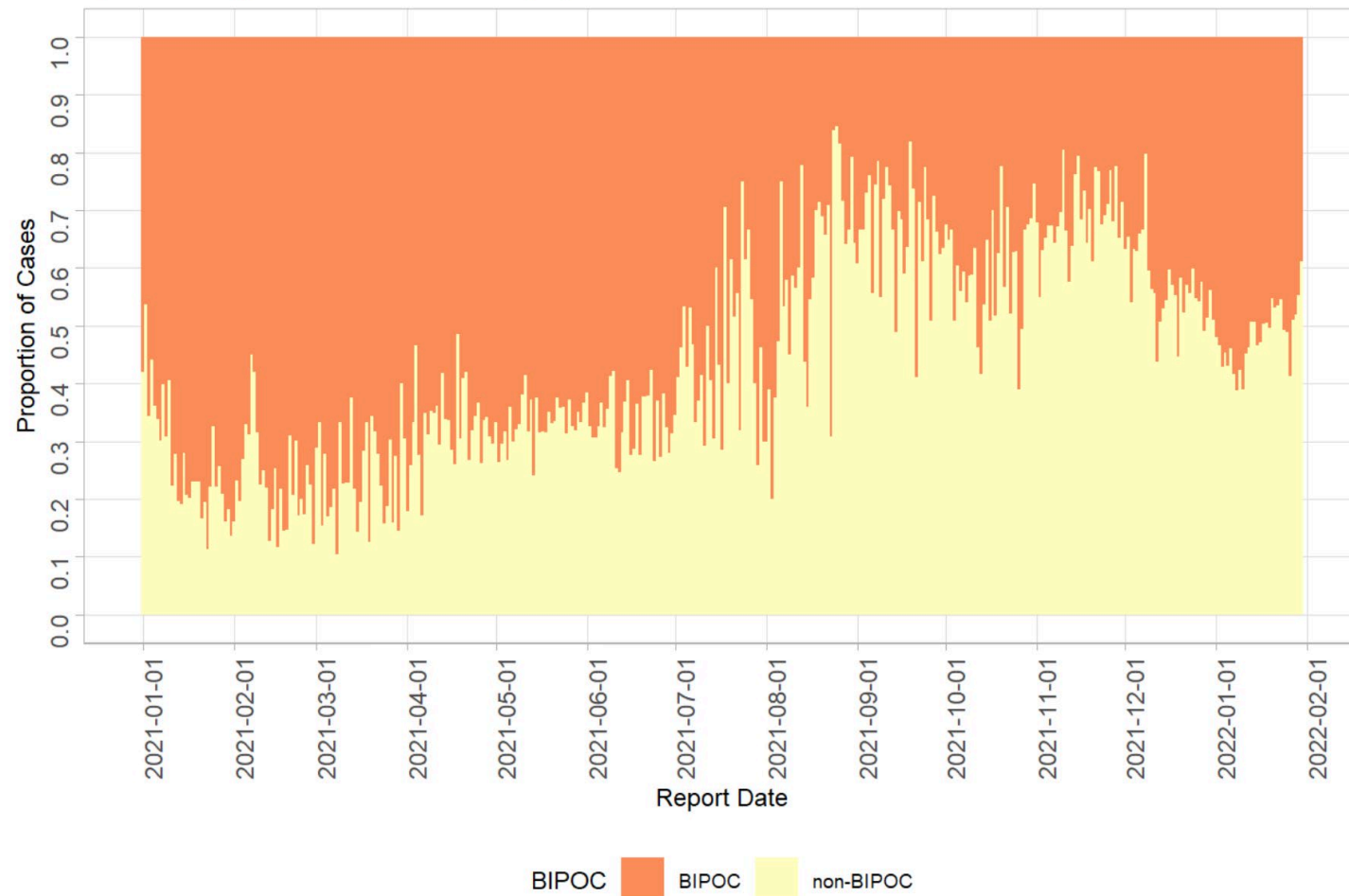


COVID-19 Vaccine Summary

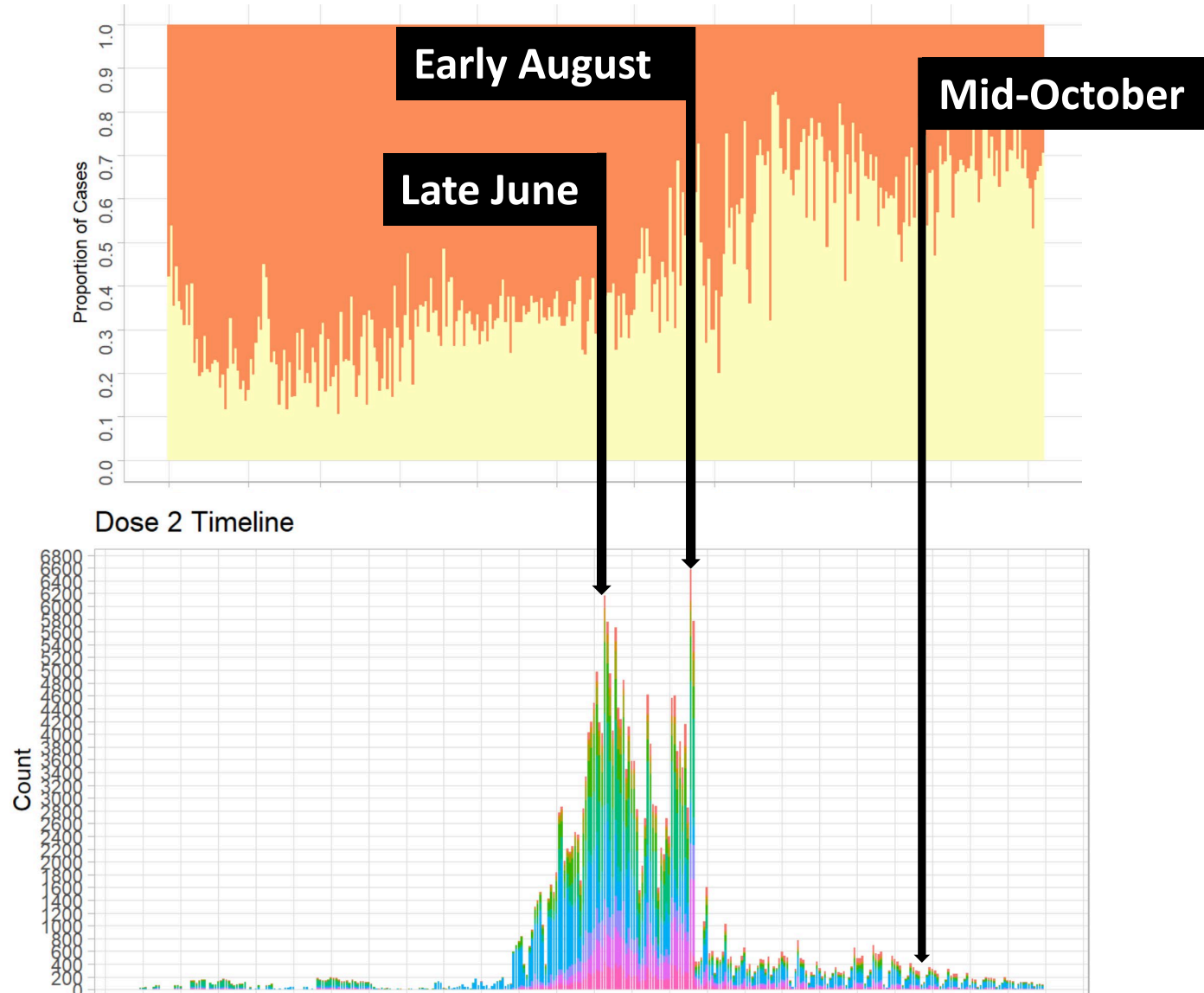
- BIPOC community members are at higher risk for COVID-19
- The average age of BIPOC vaccinees is 10-years younger for all 3 doses of vaccine
- These communities are much more likely to be vaccinated in Winnipeg:
 - Approximately 75% of 1st and 2nd doses given in Winnipeg compared to 56% for those who identify as White
- There appears to be a lag in vaccination timing for all 3 doses of vaccine
- Breakthrough infections are more common in BIPOC communities

BIPOC Cases Over Time

Epidemiologic Curve - BIPOC as proportion cases over time



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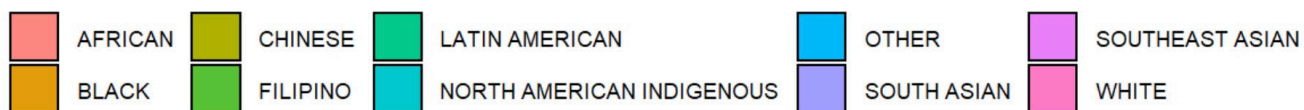


Hospitalizations on December 10, 2021

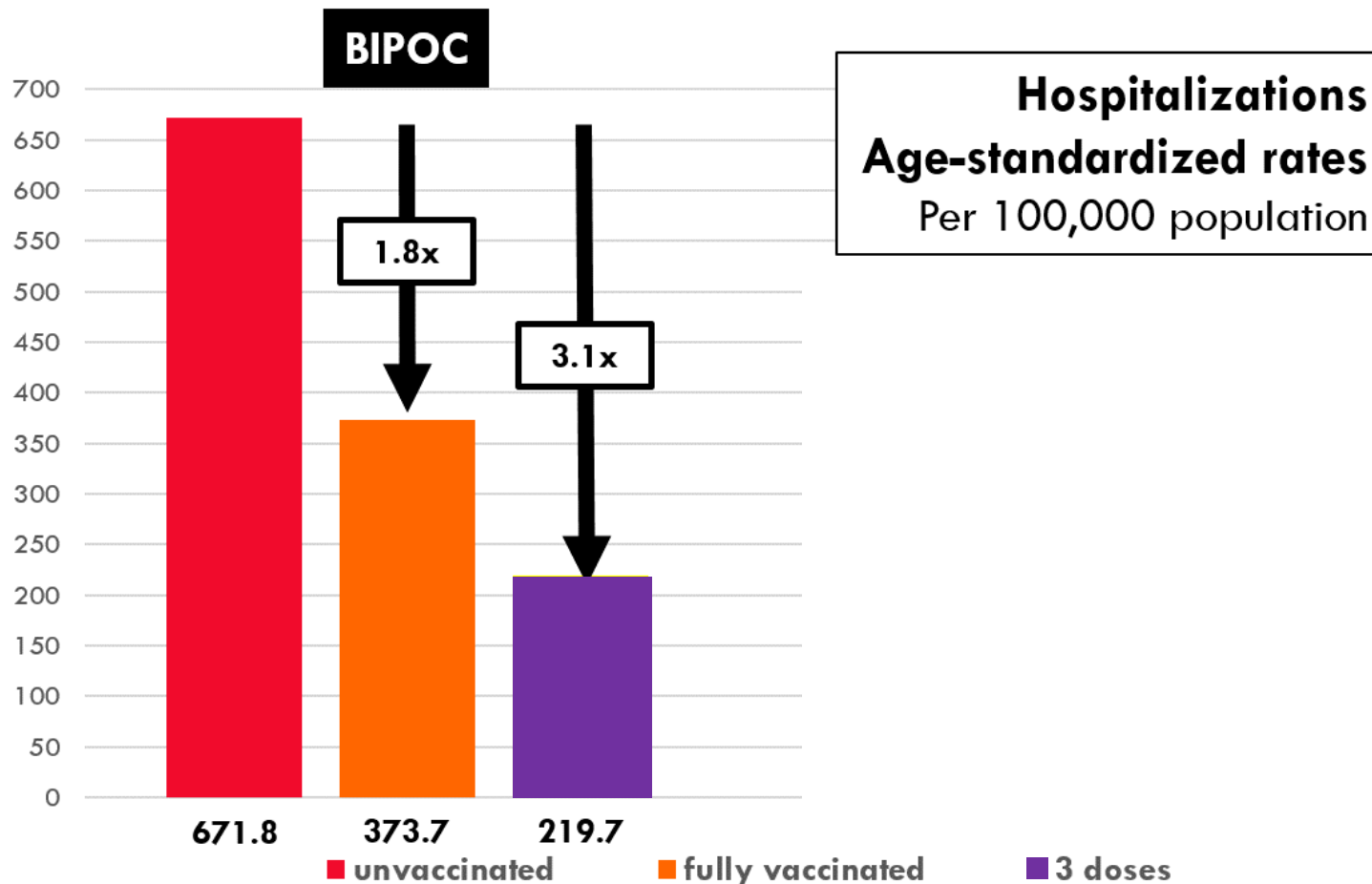
	BIPOC (36% of population)	White (64% of population)
Current ICU	5 (22%)	18 (78%)
Current Non-ICU Hospitalization	18 (25%)	55 (75%)
Discharged	96 (25%)	288 (75%)
Never Hospitalized	95%	92.4%

Note: from March 31, 2021 to June 7, 2021 BIPOC folks accounted for 61.3% of hospitalizations

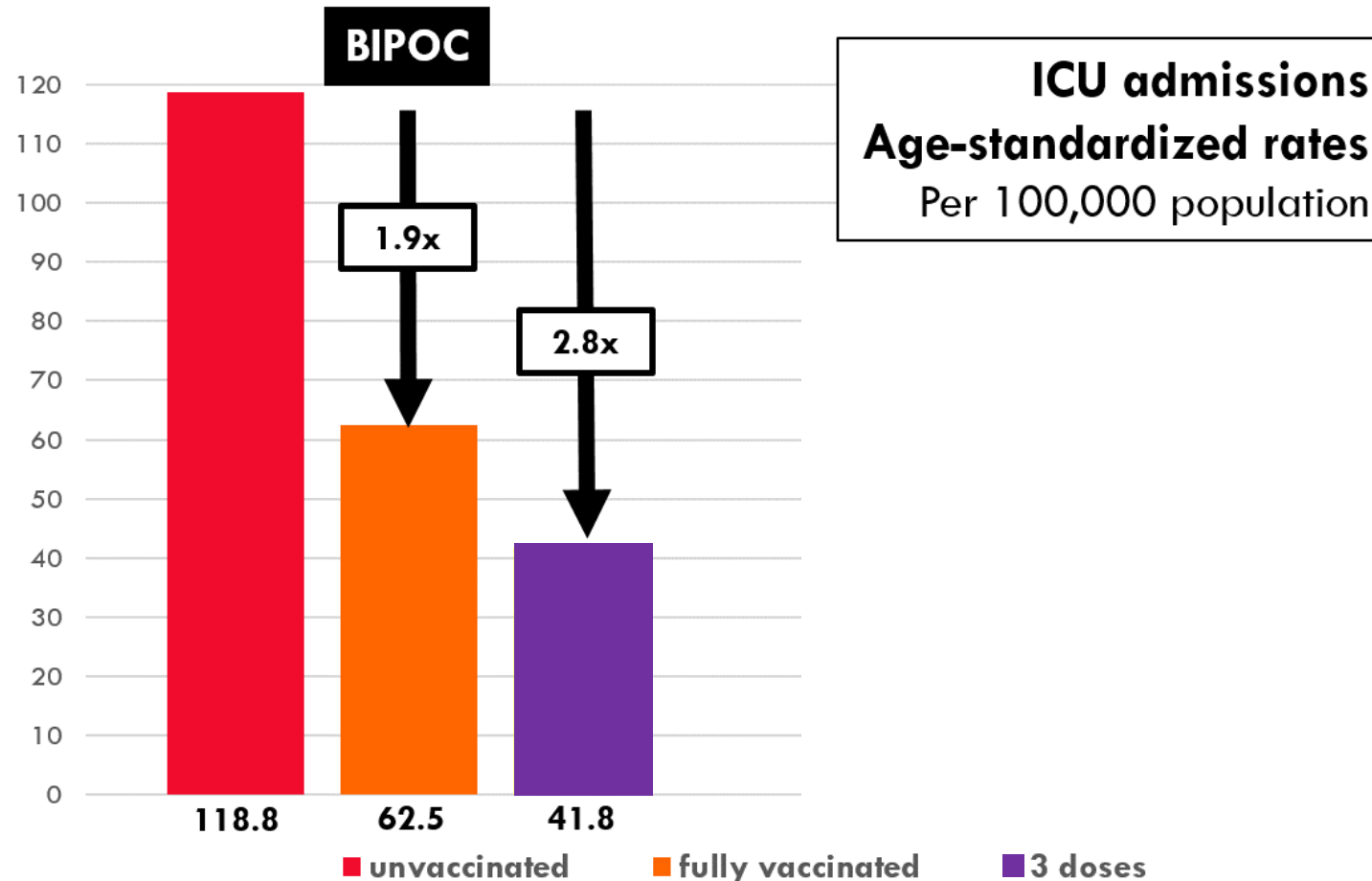
The chart displays the daily number of COVID-19 cases reported in the United Kingdom from August 2021 to February 2022. The y-axis represents the 'Number of Cases' (0 to 30), and the x-axis represents the 'Report Date'. The data is presented as stacked bars, with each bar representing a day. The colors used for the stacked bars are pink, cyan, green, orange, and blue. The chart shows a period of low case numbers from August to October 2021, followed by a sharp increase starting in late October. Cases continued to rise through November and December 2021, reaching a peak of over 30 cases per day in early January 2022, before showing a slight decline in late January and early February 2022.



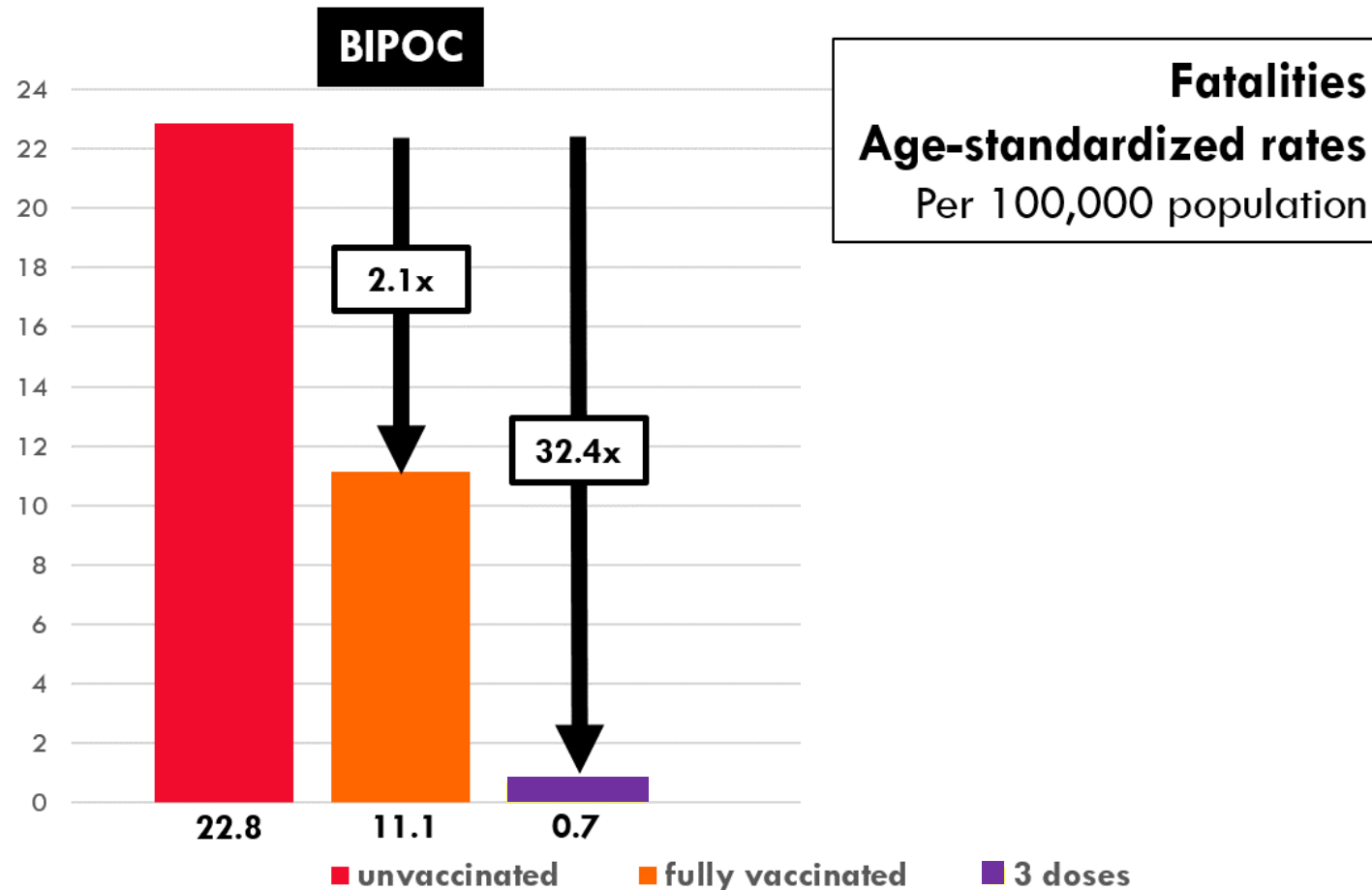
Vaccines Work – Especially After 3rd Doses



Vaccines Work – Especially After 3rd Doses



Vaccines Work – Especially After 3rd Doses



Key Lessons

- When there was both eligibility and accessibility for members of BIPOC communities, they got vaccinated
- Since BIPOC folks make up a higher proportion of those vaccinated than in the general population, this implies that uptake is higher among BIPOC communities than among those who identify as White
- In Fall wave this significantly shifted case and hospitalization demographics with White people being over-represented and BIPOC folks making up less than half the proportion of hospitalizations they did in previous wave
- This is shifting again due to Omicron transmission dynamics

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