



Our Health Counts Toronto linkage to Institute of Clinical and Evaluative Sciences (ICES) COVID-19 data holdings

Incidence of positive COVID-19 cases and proportion of COVID-19 tests, hospitalizations and vaccinations among First Nations, Inuit, and Métis (FNIM) living in Toronto.

Data reported as of: **December 13, 2021**

Principal Investigator: Dr. Janet Smylie

Community Leads: Seventh Generation Midwives Toronto



Well Living House

COVID-19 VACCINATIONS

Table 1: Proportion of Indigenous adults who have received first and second doses of COVID-19 vaccination as of December 13, 2021 in comparison to general Toronto and Ontario population. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data.

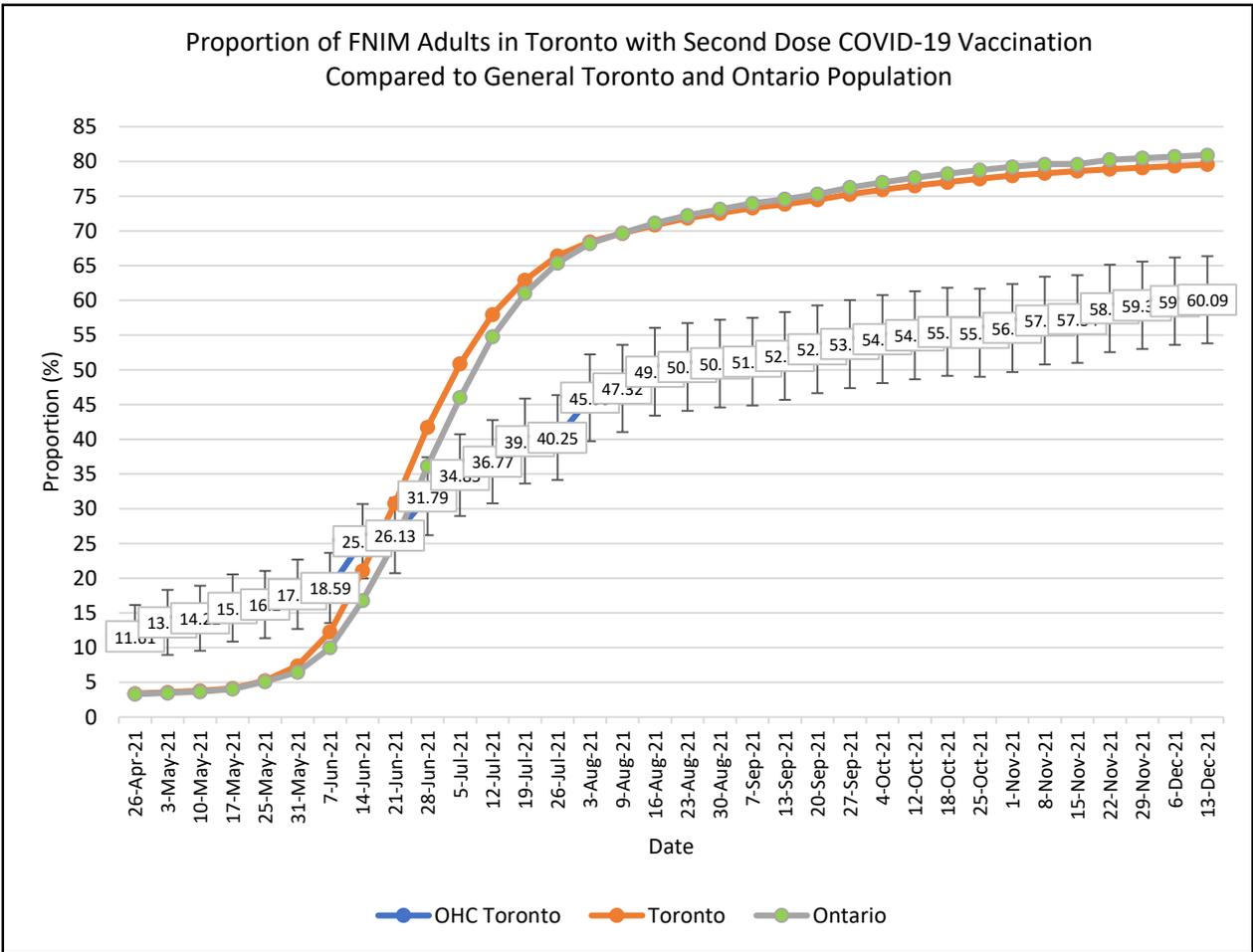
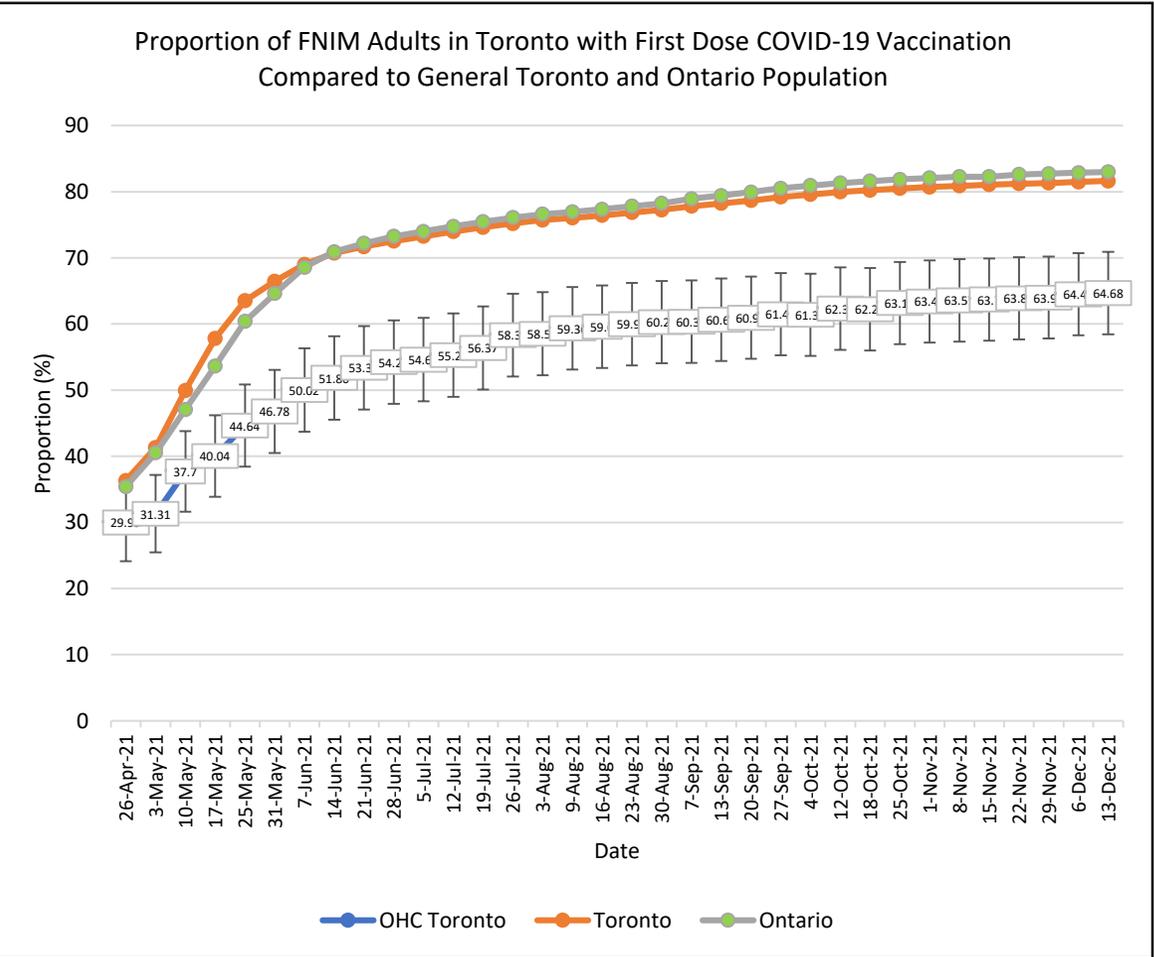
	FNIM Population in Toronto*		City of Toronto Population		Ontario Population	
	n	HCG-Adjusted Proportion % [95% Confidence Interval]	n	Proportion %	n	Proportion %
First Dose	478	64.68 [58.44, 70.91]	1,951,293	81.62	10,138,986	83.00
Second Dose	438	60.09 [53.81, 66.38]	1,902,757	79.59	9,887,530	80.94
Total	687		2,390,848		12,216,242	

*Our Health Counts FNIM adult (15+) population living in Toronto as of December 31, 2019, excluding seeds

COVID-19 VACCINATIONS

Figure 1: Proportion of Indigenous adults who have received first dose of COVID-19 vaccination over time in comparison to general Toronto and Ontario population. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data.

Figure 2: Proportion of Indigenous adults who have received second dose of COVID-19 vaccination over time in comparison to general Toronto and Ontario population. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data.



FIRST DOSE COVID-19 VACCINATIONS

Figure 3: RDS-II Adjusted Proportion of Indigenous adults who have received first dose of COVID-19, stratified by age

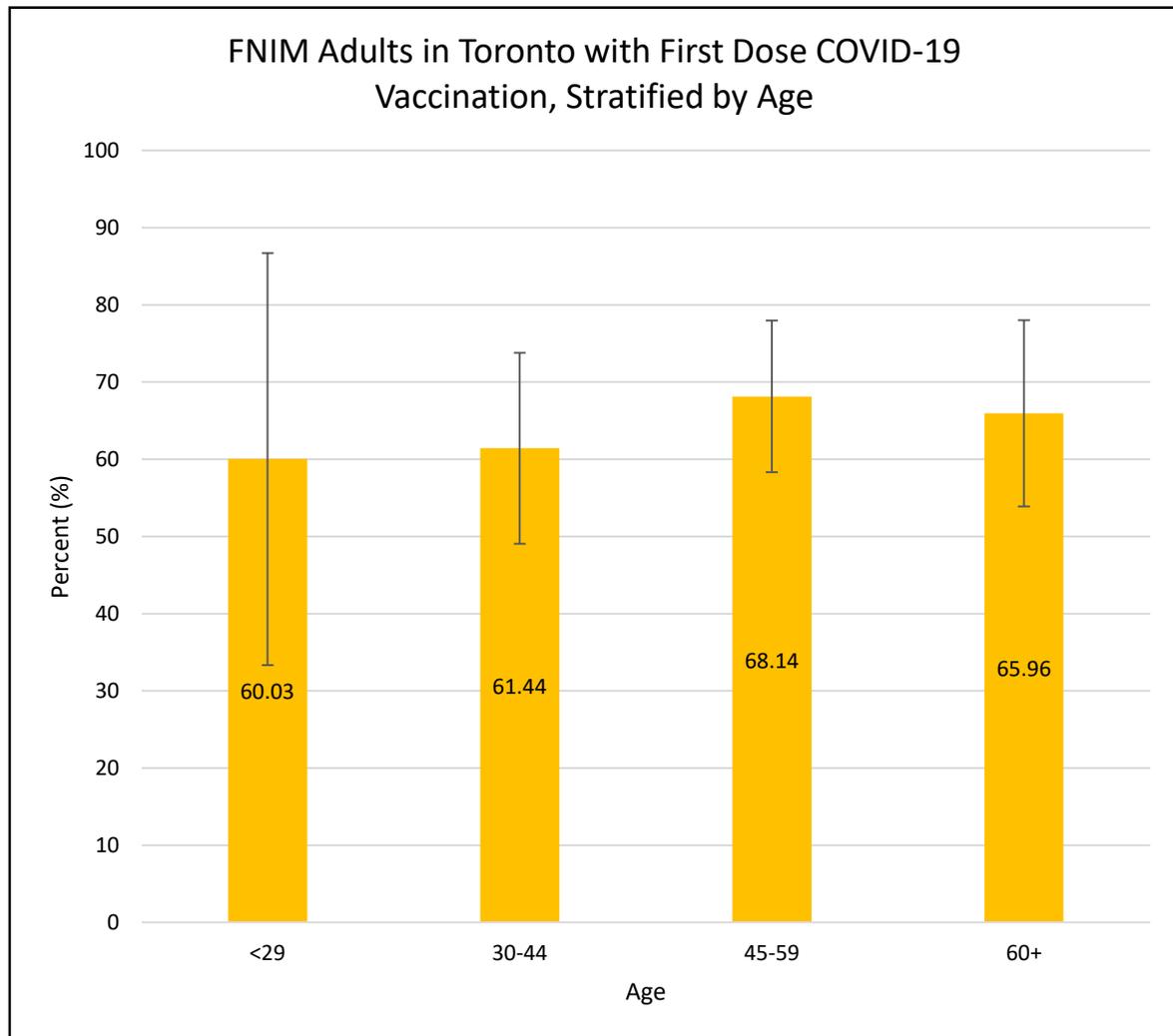
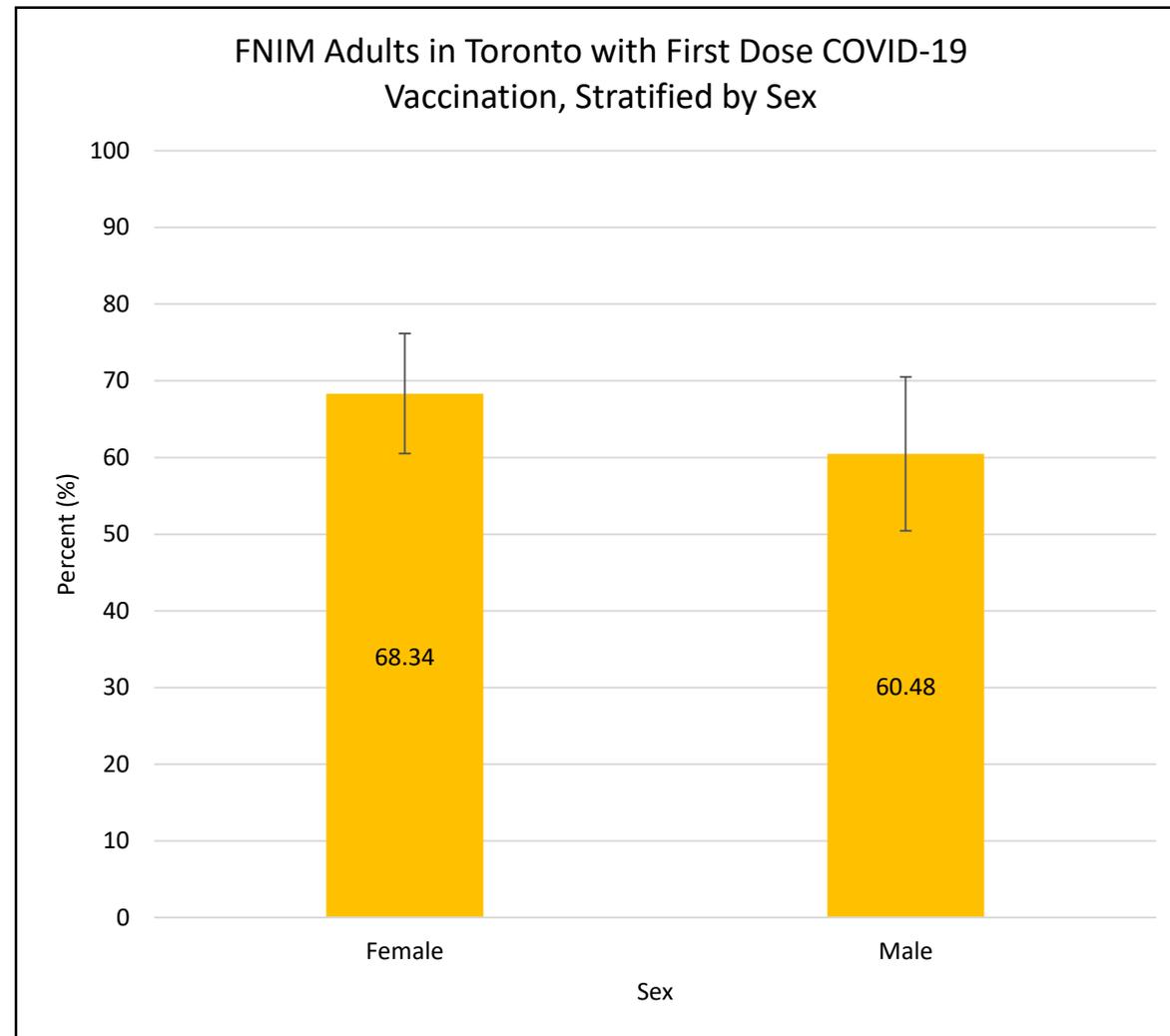


Figure 4: HCG Adjusted Proportion of Indigenous adults who have received first dose of COVID-19, stratified by sex



SECOND DOSE COVID-19 VACCINATIONS

Figure 5: RDS-II Adjusted Proportion of Indigenous adults who have received second dose of COVID-19, stratified by age

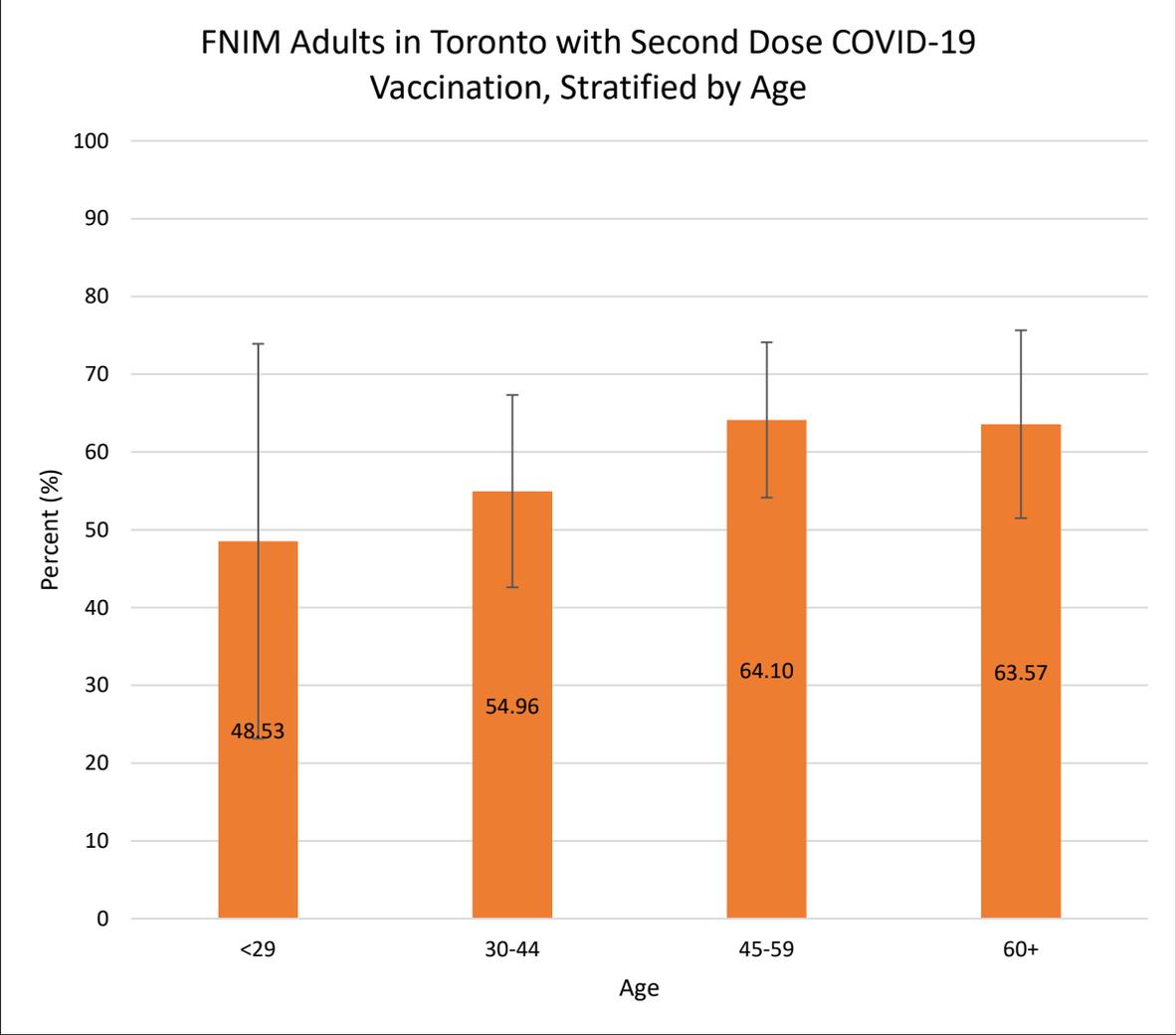
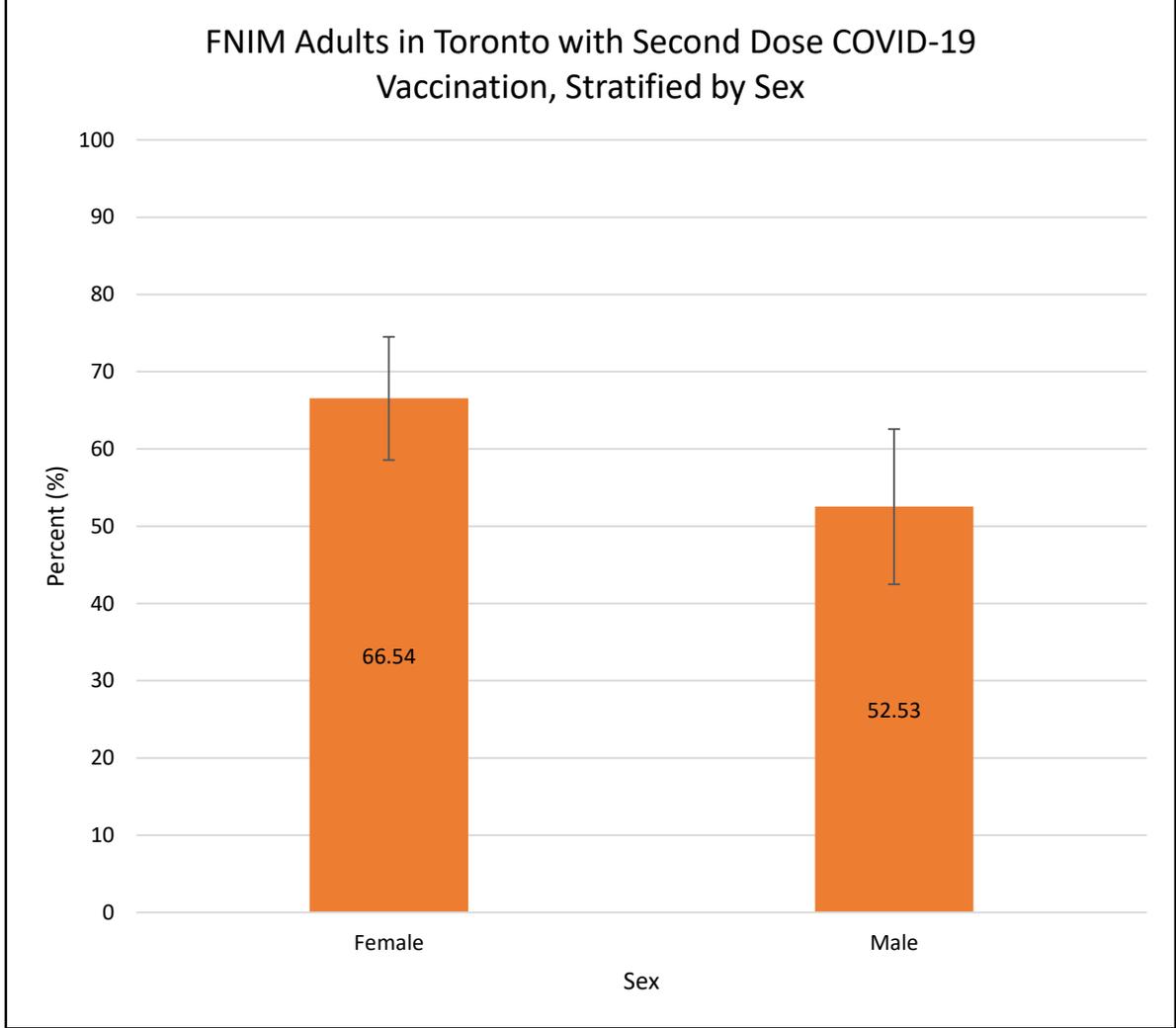


Figure 6: HCG Adjusted Proportion of Indigenous adults who have received second dose of COVID-19, stratified by sex



COVID-19 VACCINATIONS

Table 2: Non-conservative 2021 Population Estimates for FNIM Adults in Toronto and Estimated Required Number of Vaccine Events to Fully Vaccination FNIM Adults in Toronto

Non-conservative population estimates for FNIM adults (15+) in Toronto in 2021	Estimated required number of vaccine events (FNIM population x 2 doses)
71,097*	142,194

*Non-conservative population estimates for FNIM adults (15+) in Toronto in 2021. Estimate includes assumption that Indigenous population has grown by 5% since 2016

Table 3: Estimated number of FNIM vaccination events required for complete vaccination of FNIM adult population in Toronto.

Vaccination	HCG-Adjusted Proportion of First & Second Dose Vaccinations Administered to FNIM OHC Toronto Adults (%)	Non-conservative 2021 population estimates for FNIM adults (15+) in Toronto	Estimated # of Vaccinations Given (FNIM population x % vaccines administered)	Estimated # of Vaccinations Required (Estimated required number of vaccine events - Estimated # of Vaccinations Given)
First Dose	64.68 [58.44, 70.91]	71,097	45,986	
Second Dose	60.09 [53.81, 66.38]	71,097	42,722	
Total			88,708	53,486

COVID-19 HOSPITALIZATIONS

Table 4: Proportion of Indigenous adults testing positive for COVID-19 and were hospitalized in comparison to general Toronto and Ontario population from January 2020 to December 13, 2021. Total sample n= 687, representing n=71,096 FNIM in Toronto**. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data holdings.

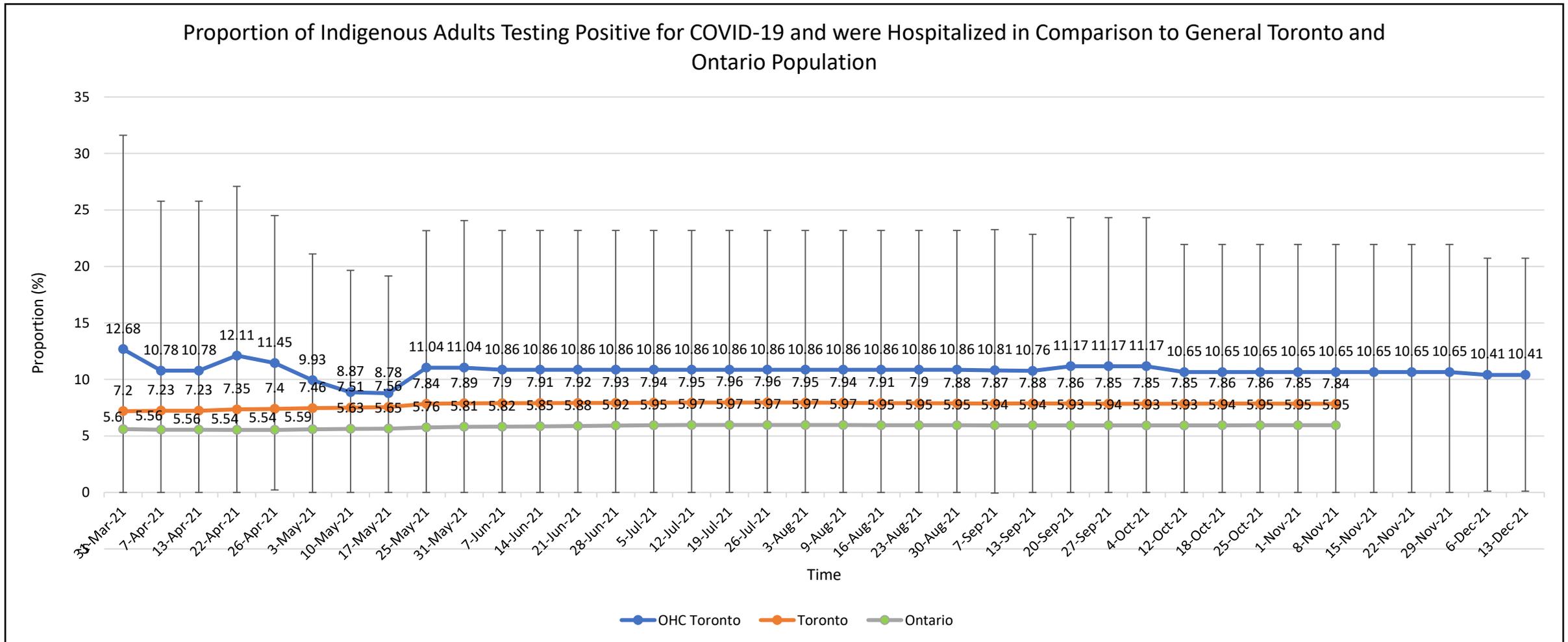
	FNIM Population in Toronto*		City of Toronto Population		Ontario Population	
	n	RDS-II Adjusted Proportion % [95% Confidence Interval]	n	Proportion %	n	Proportion %
Hospitalizations	11	10.41 [0.11, 20.72]	10,507	7.69	29,204	5.85
Total COVID-19 positive cases	44		136,614		498,898	

*Our Health Counts FNIM adult (15+) population living in Toronto as of December 31, 2019 and have tested positive for COVID-19, excluding seeds

**Non-conservative population estimates for FNIM adults (15+) in Toronto in 2021

COVID-19 HOSPITALIZATIONS

Figure 7: Proportion of Indigenous adults testing positive for COVID-19 and were hospitalized over time in comparison to general Toronto and Ontario population. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data holdings.



INCIDENCE OF COVID-19 POSITIVE CASES

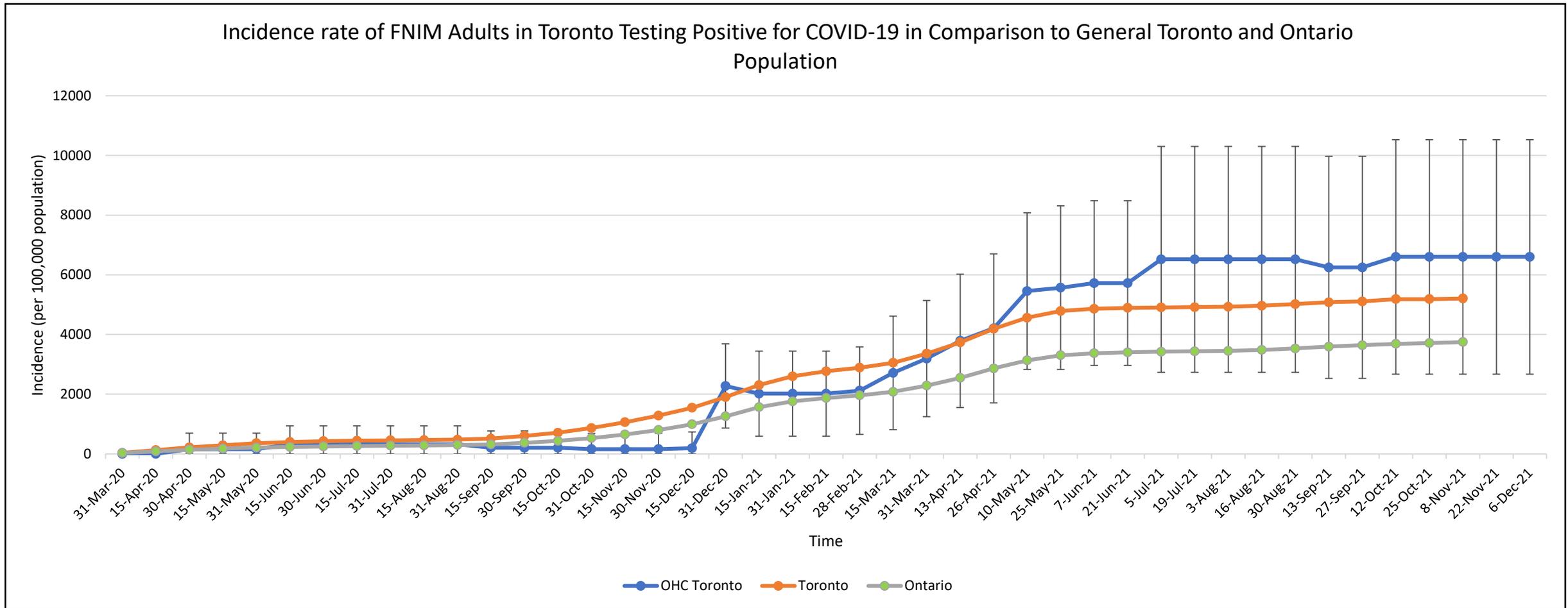
Table 5: Incidence rate of Indigenous adults testing positive for COVID-19 in comparison to general Toronto and Ontario population from January 2020 to December 13, 2021. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data holdings.

	FNIM Population in Toronto*		City of Toronto Population		Ontario Population	
	n	HCG-Adjusted Incidence Incidence per 100,000 FNIM population [95% Confidence Interval]	n	Crude Incidence Incidence per 100,000 population	n	Crude Incidence Incidence per 100,000 population
Positive COVID-19 test	44	6,601 [2,672, 10,530]	136,614	5,714.04	498,898	4,083.89
Total	687		2,390,848		12,216,242	

*Our Health Counts FNIM adult (15+) population living in Toronto as of December 31, 2019, excluding seeds

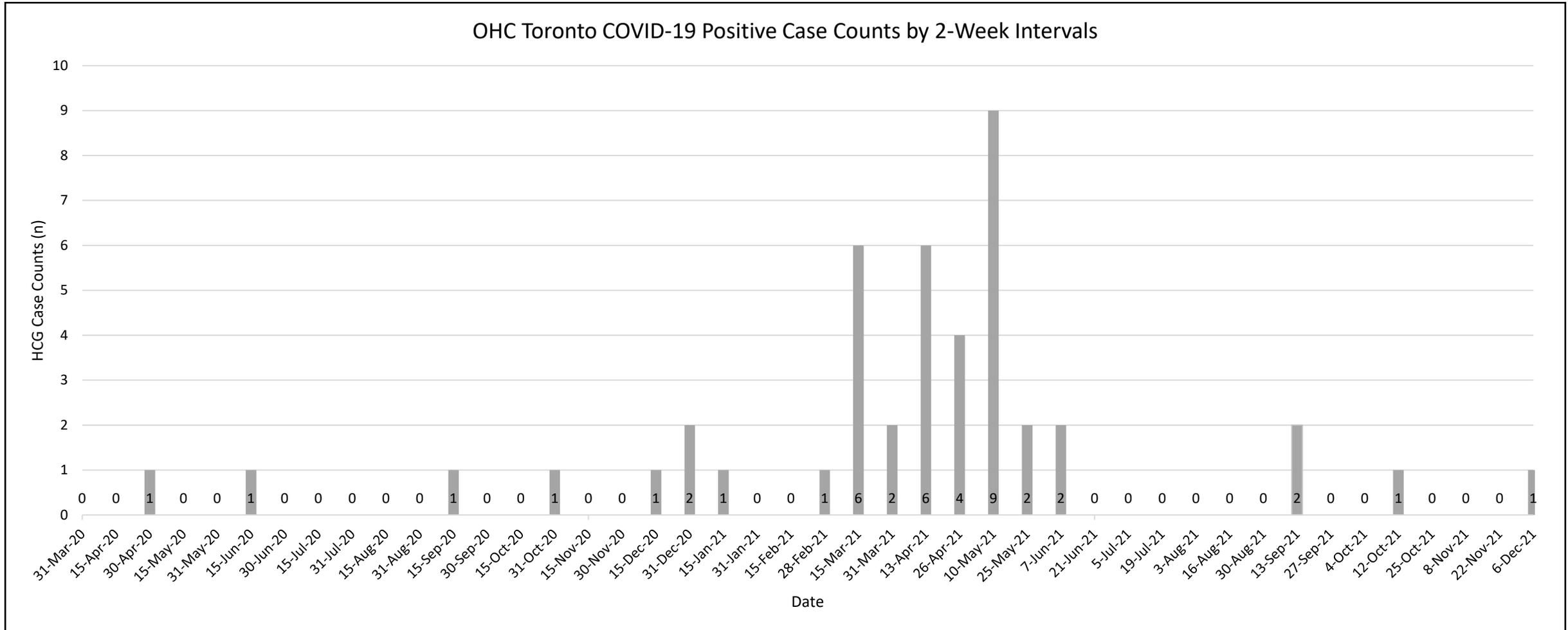
INCIDENCE OF COVID-19 POSITIVE CASES

Figure 8: Incidence rate of Indigenous adults testing positive for COVID-19 over time in comparison to general Toronto and Ontario population. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data holdings.



COVID-19 POSITIVE CASES

Figure 9: Indigenous adult COVID-19 positive case counts by two-week intervals. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data holdings.



COVID-19 TESTING PREVALENCE

Table 6: Prevalence of COVID-19 testing among FNIM adults in Toronto in comparison to general Toronto and Ontario population from January 2020 to December 13, 2021. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data holdings.

	FNIM Population in Toronto*		City of Toronto Population		Ontario Population	
	n	HCG-Adjusted Period Prevalence % [95% Confidence Interval]	n	Crude Period Prevalence %	n	Crude Period Prevalence %
Tested	429	53.47 [47.20, 59.74]	1,055,267	44.14	5,300,673	43.49
Not Tested	258	46.53 [40.26, 52.80]	1,335,581	55.86	6,915,569	56.61
Total	687		2,390,848		12,216,242	

*Our Health Counts FNIM adult (15+) population living in Toronto as of December 31, 2019, excluding seeds

