



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: **January 10, 2022**

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Community Leads: Seventh Generation Midwives Toronto

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Well Living House

COVID-19 VACCINATIONS

Table 1: Proportion of Indigenous adults who have received first, second and third doses of COVID-19 vaccination as of January 10, 2022 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	482	65.36 [59.13, 71.58]	1,964,509	82.12	10,209,686	83.49
Second Dose	445	60.52 [54.23, 66.81]	1,918,038	80.18	9,971,532	81.55
Third Dose	195	28.32 [22.84, 33.80]	885,844	37.03	4,548,281	37.19
Total	687		2,392,268		12,228,209	

*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.

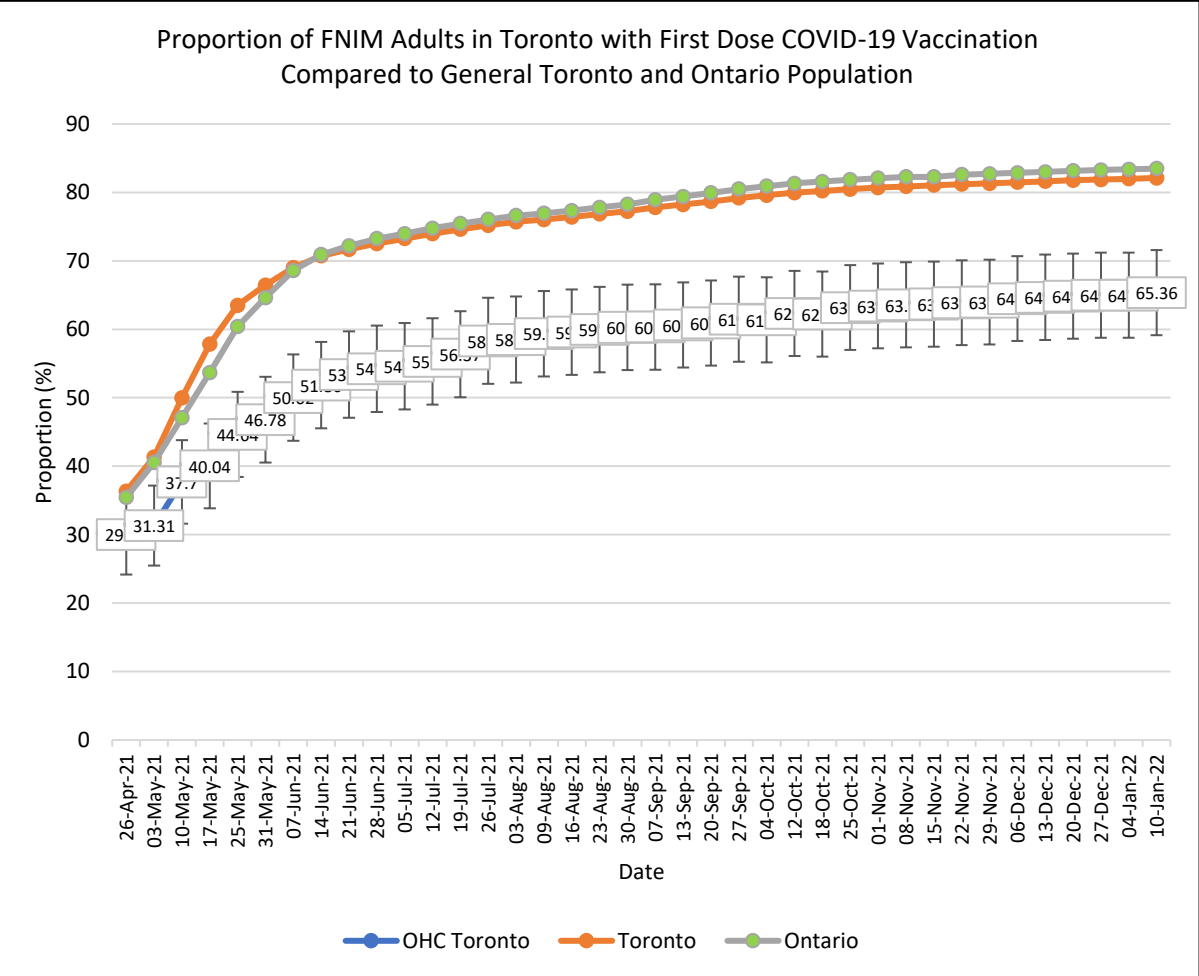
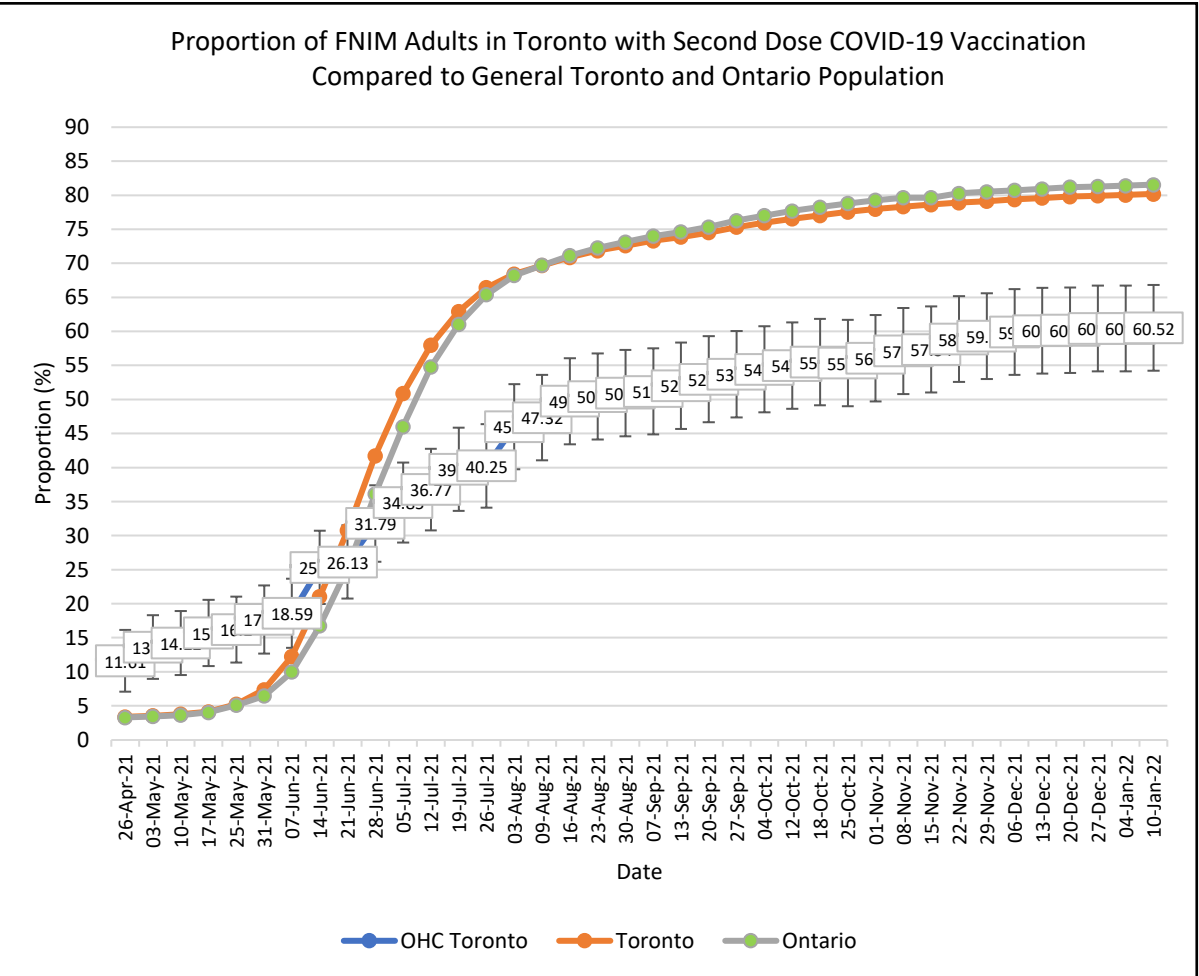
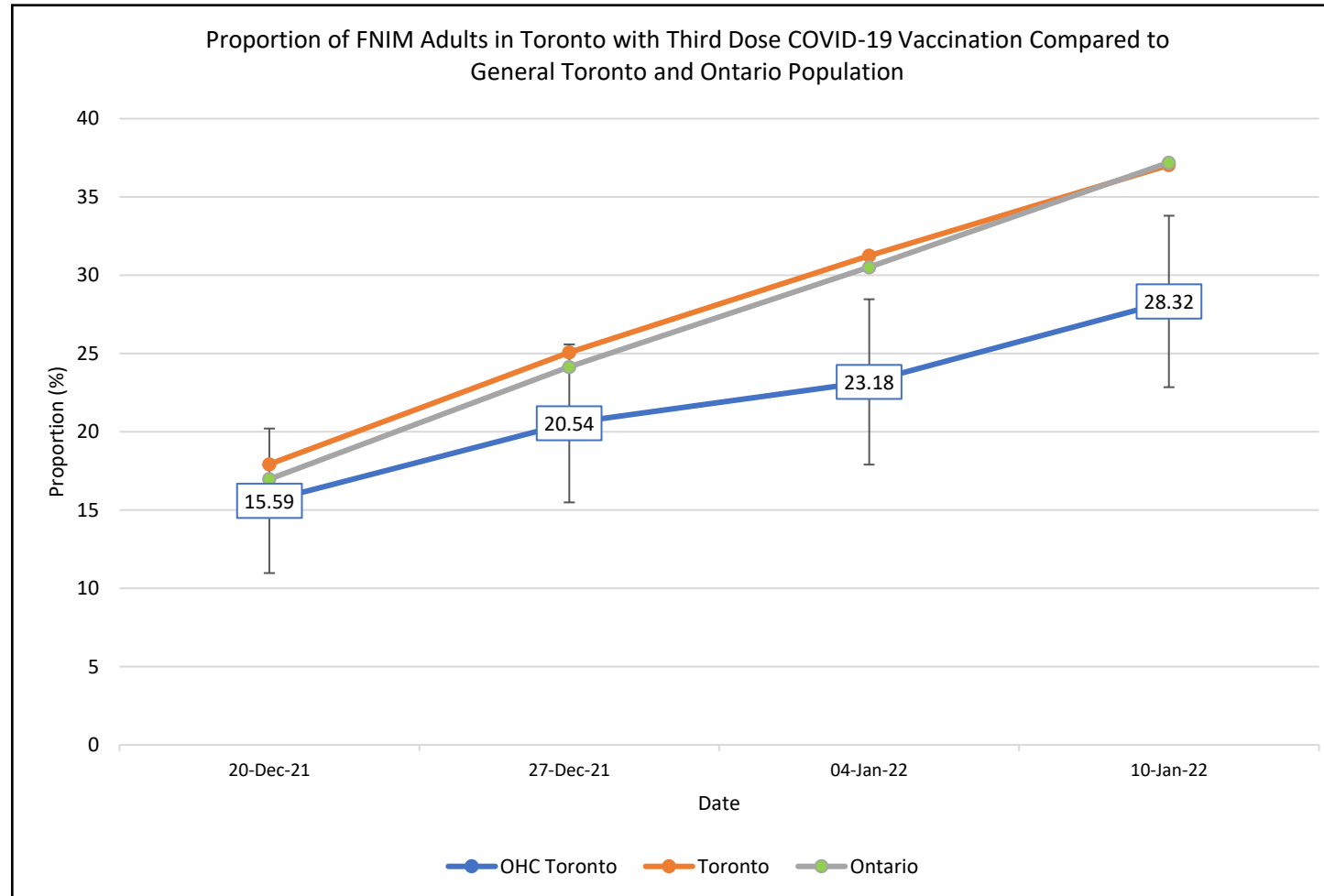


Figure 2: Proportion of Indigenous adults who have received second dose of COVID-19 vaccination over time in comparison to general Toronto and Ontario population. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data.



COVID-19 VACCINATIONS

Figure 3: Proportion of Indigenous adults who have received third 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

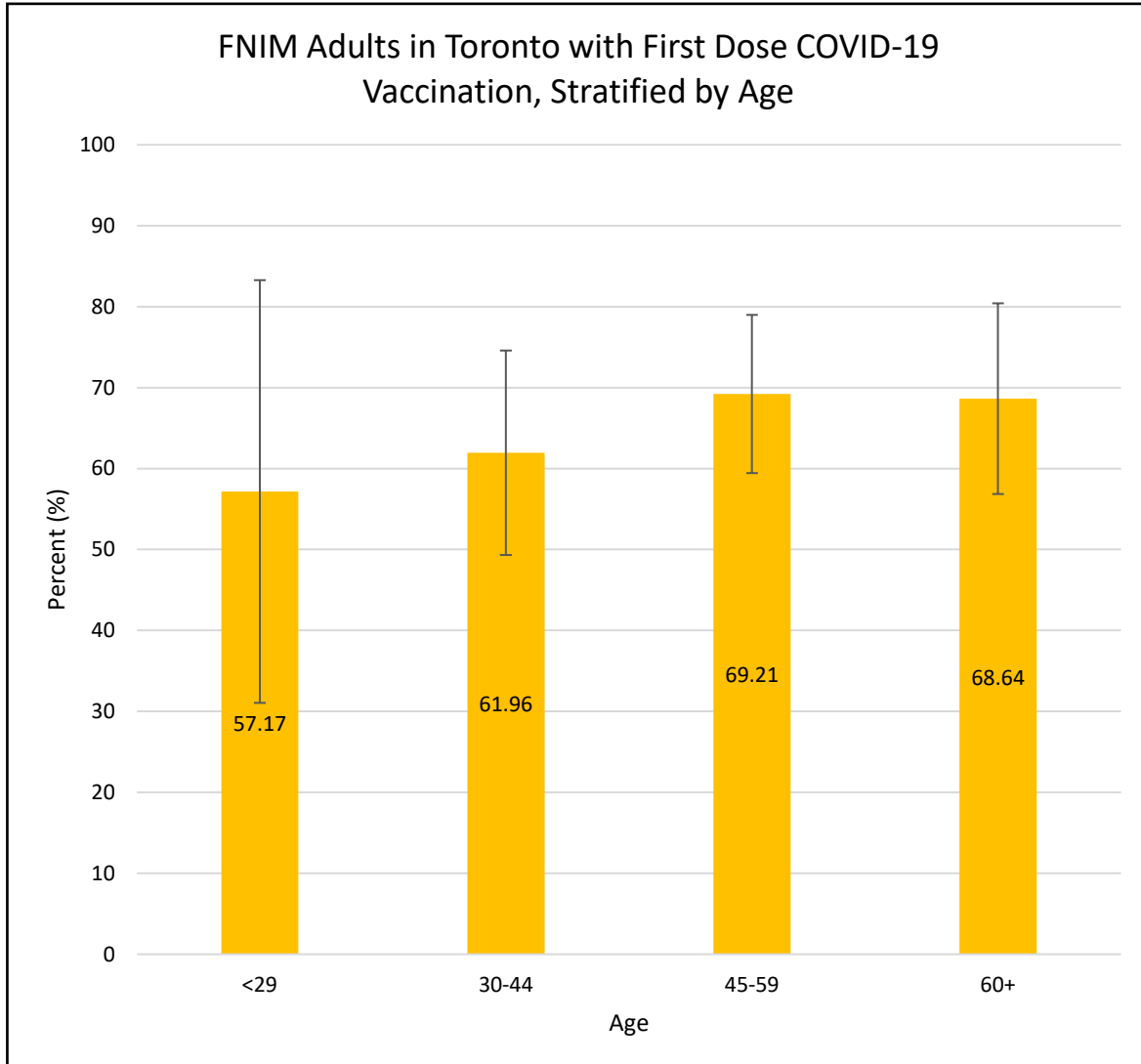
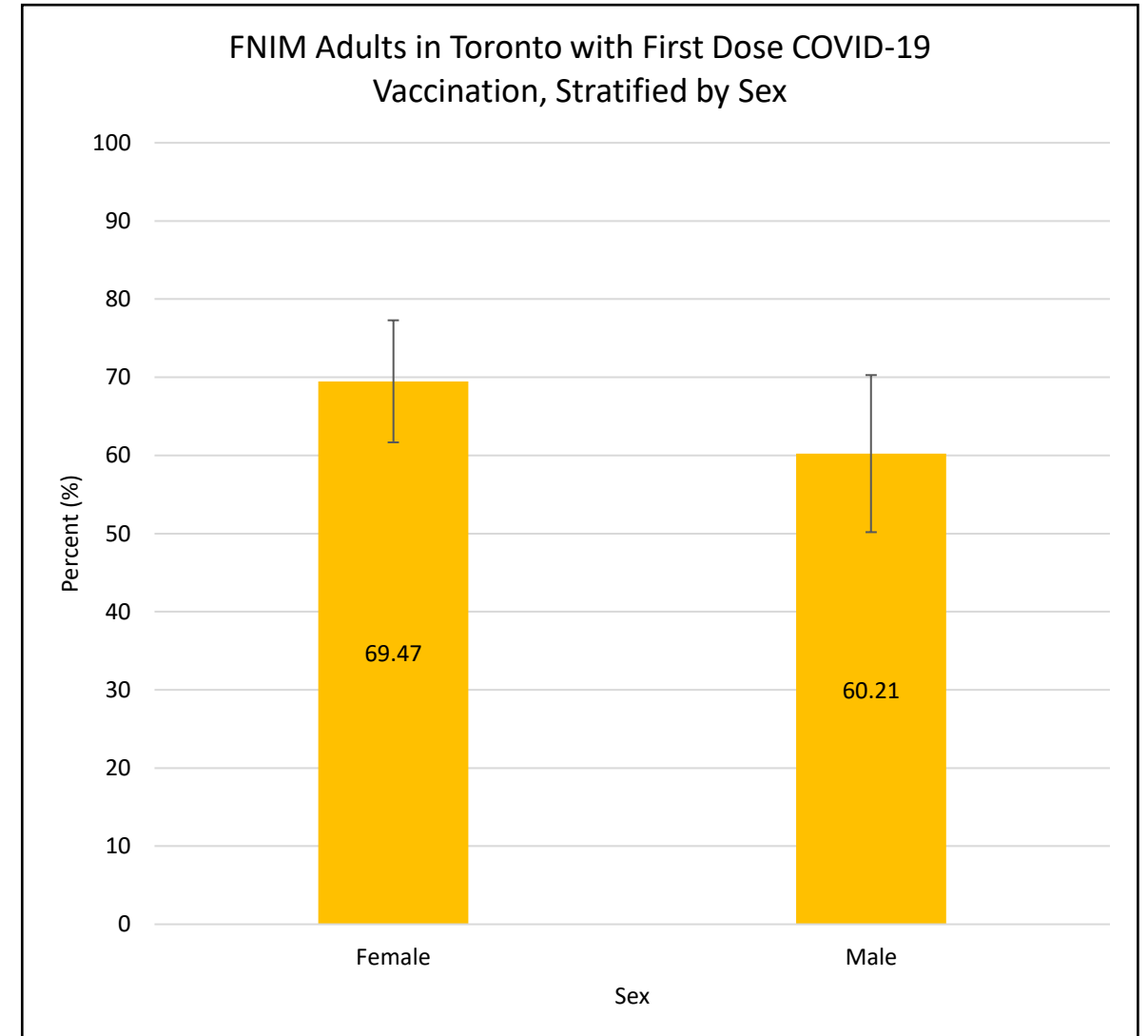


Figure 4: HCG Adjusted Proportion of Indigenous adults who have received first dose of COVID-19, stratified by sex



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

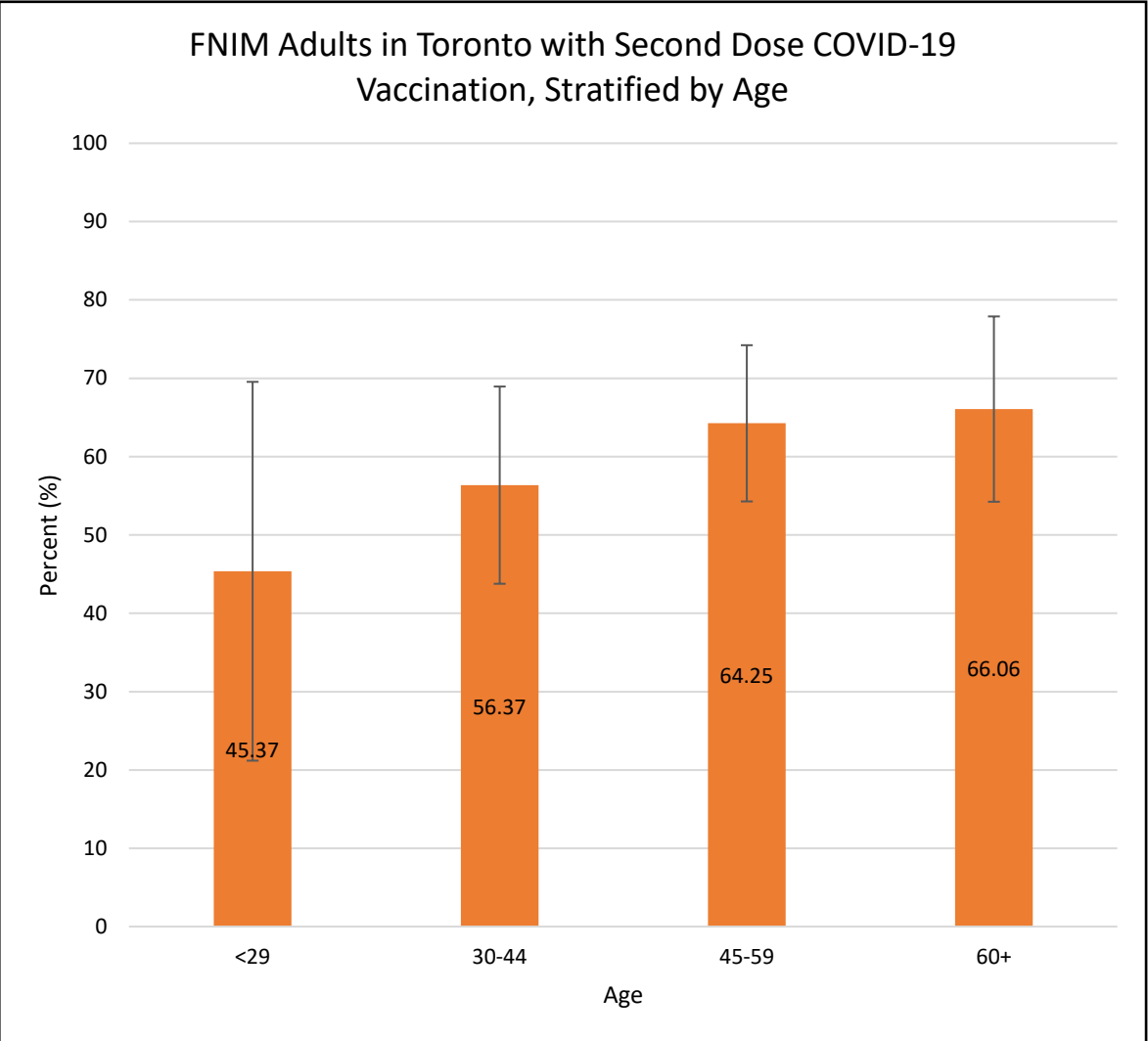
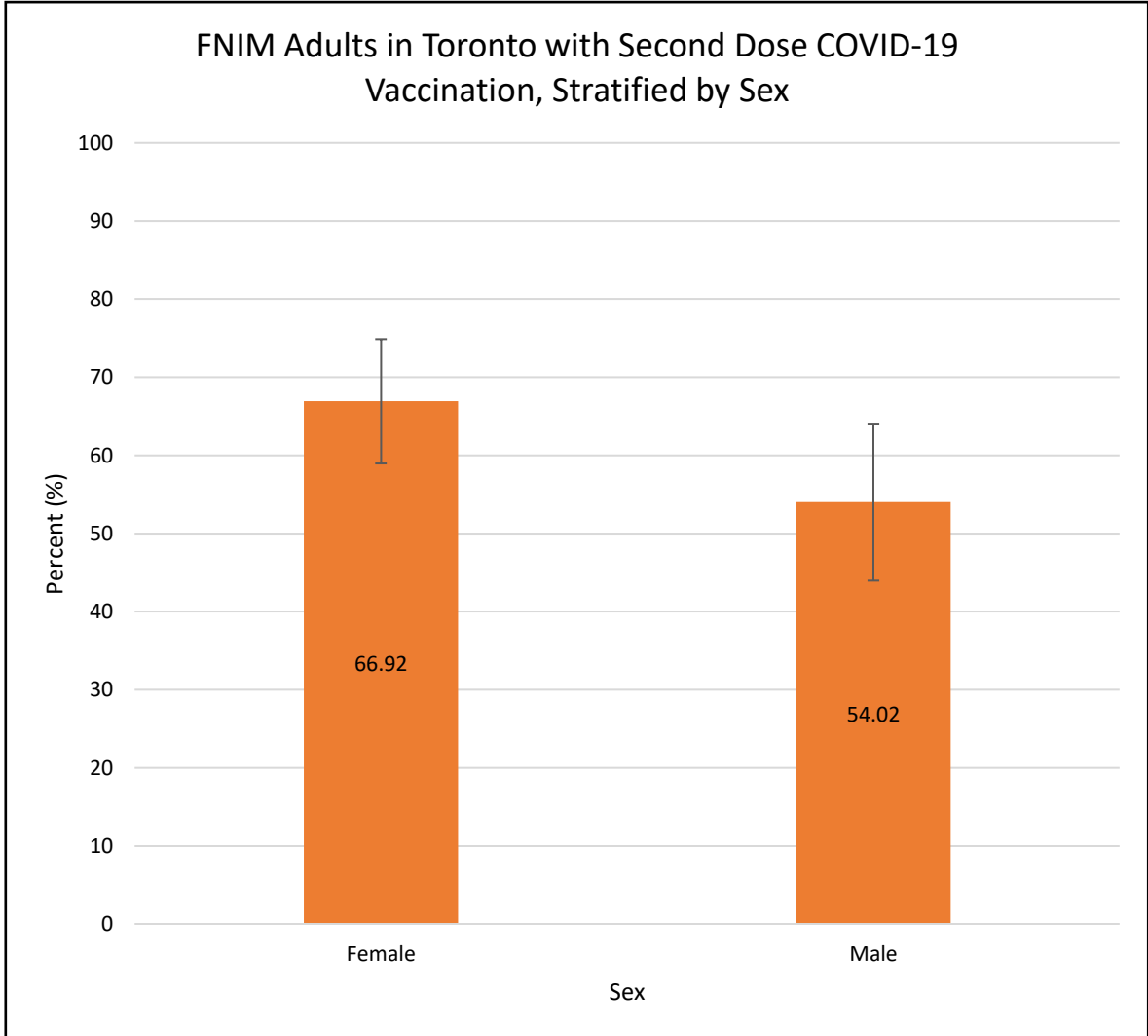


Figure 6: HCG Adjusted Proportion of Indigenous adults who have received second dose of COVID-19, stratified by sex



THIRD DOSE COVID-19 VACCINATIONS

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

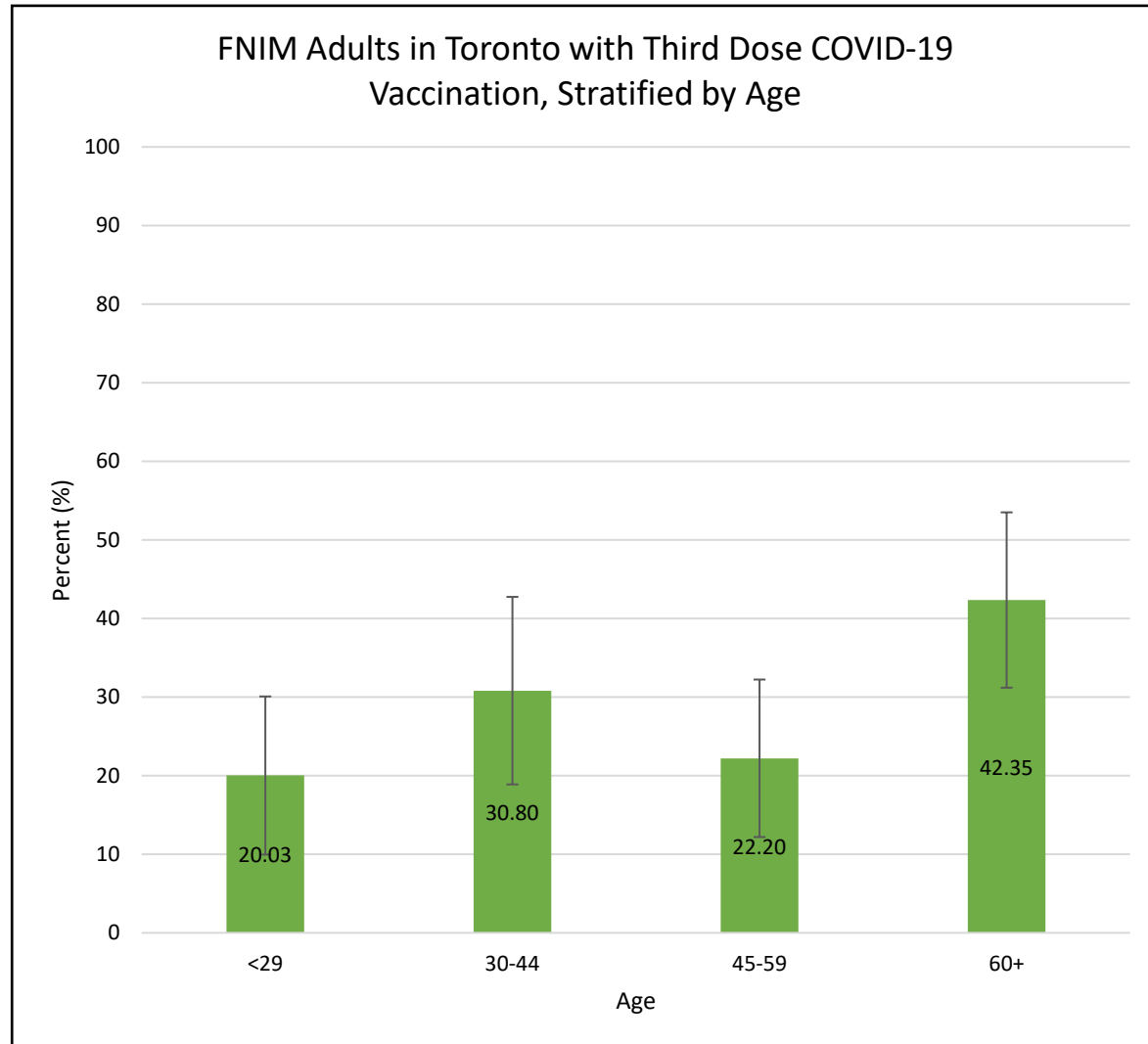
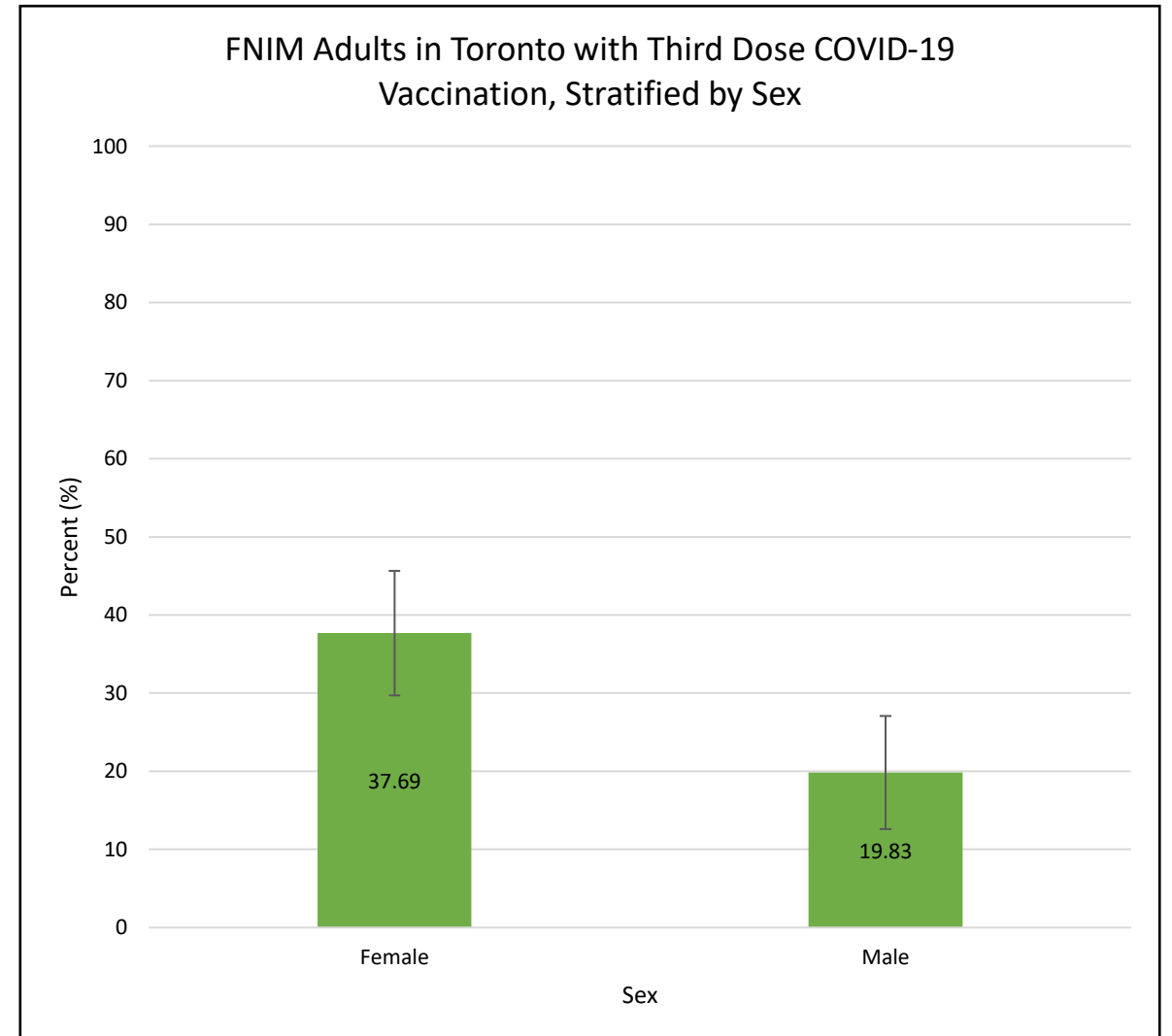


Figure 6: HCG Adjusted Proportion of Indigenous adults who have received third dose of COVID-19, stratified by sex



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 3 doses)
71,097*	213,291

*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, including third dose booster 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	65.36 [59.13, 71.58]	71,097	46,469	
Second Dose	60.52 [54.23, 66.81]	71,097	43,028	
Third Dose	28.32 [22.84, 33.80]	71,097	20,135	
Total			109,632	103,659

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 January 10, 2022. 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.

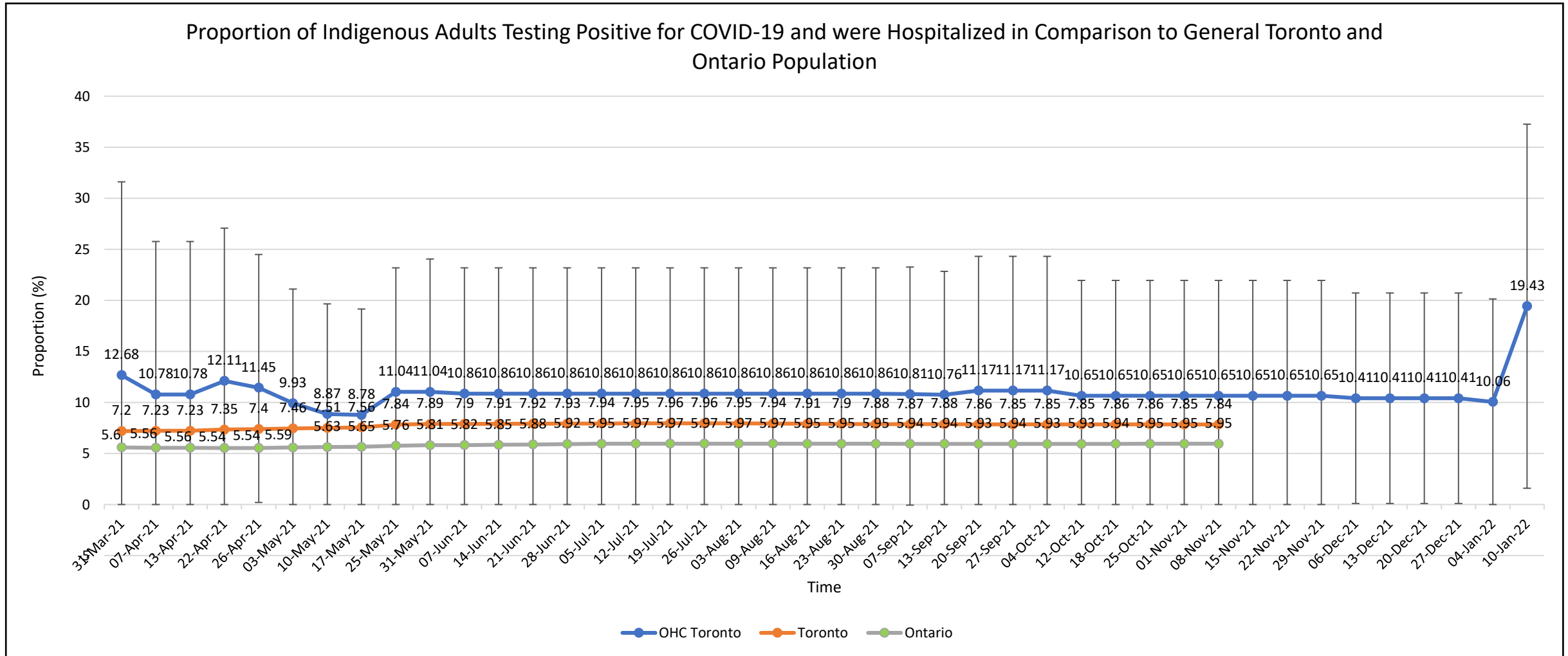
	FNIM Population in Toronto*		City of Toronto Population		Ontario Population	
	n	RDS-II Adjusted Proportion % [95% Confidence Interval]	n	Proportion %	n	Proportion %
Hospitalizations	12	19.43 [1.59, 37.27]	10,895	5.90	31,122	4.34
Total COVID-19 positive cases	58		184,567		717,080	

*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

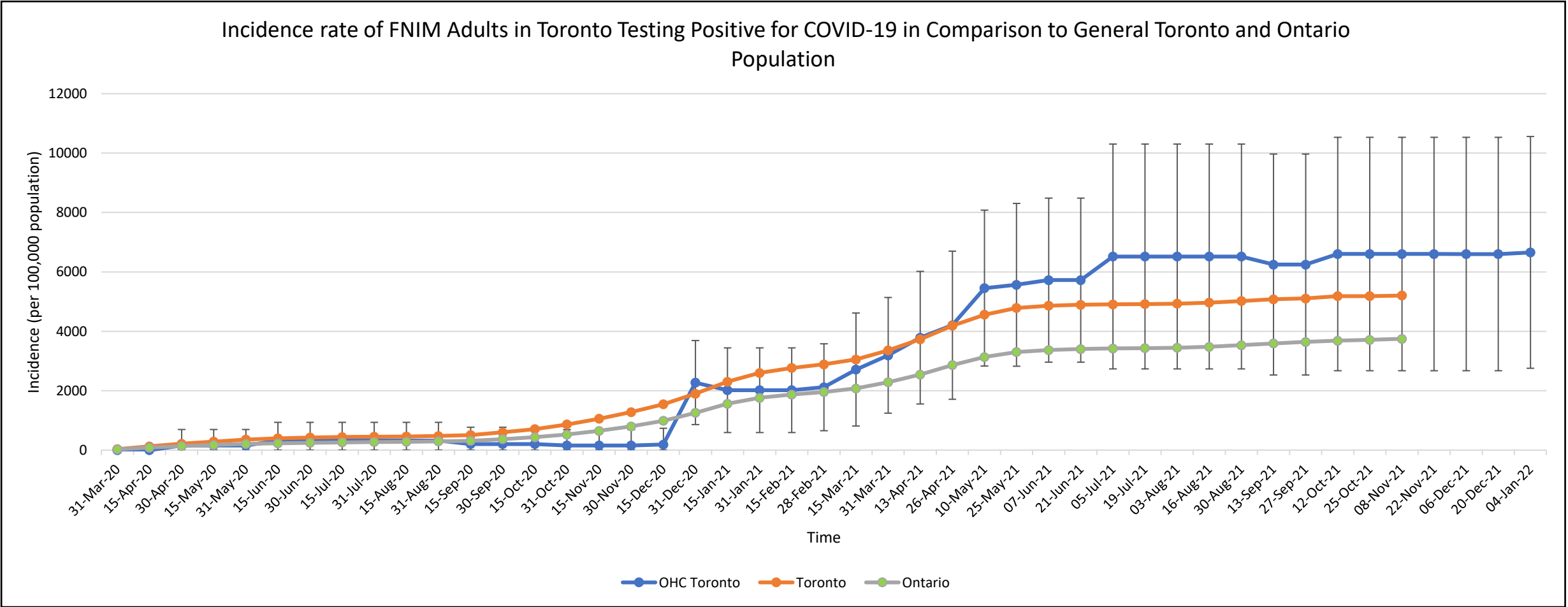
Table 5: Incidence rate of Indigenous adults testing positive for COVID-19 in comparison to general Toronto and Ontario population from January 2020 to January 10, 2022. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data holdings.

	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	58	8,241 [4,041, 12,441]	184,567	7,715.15	717,080	5,864.15
Total	687		2,392,268		12,228,209	

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

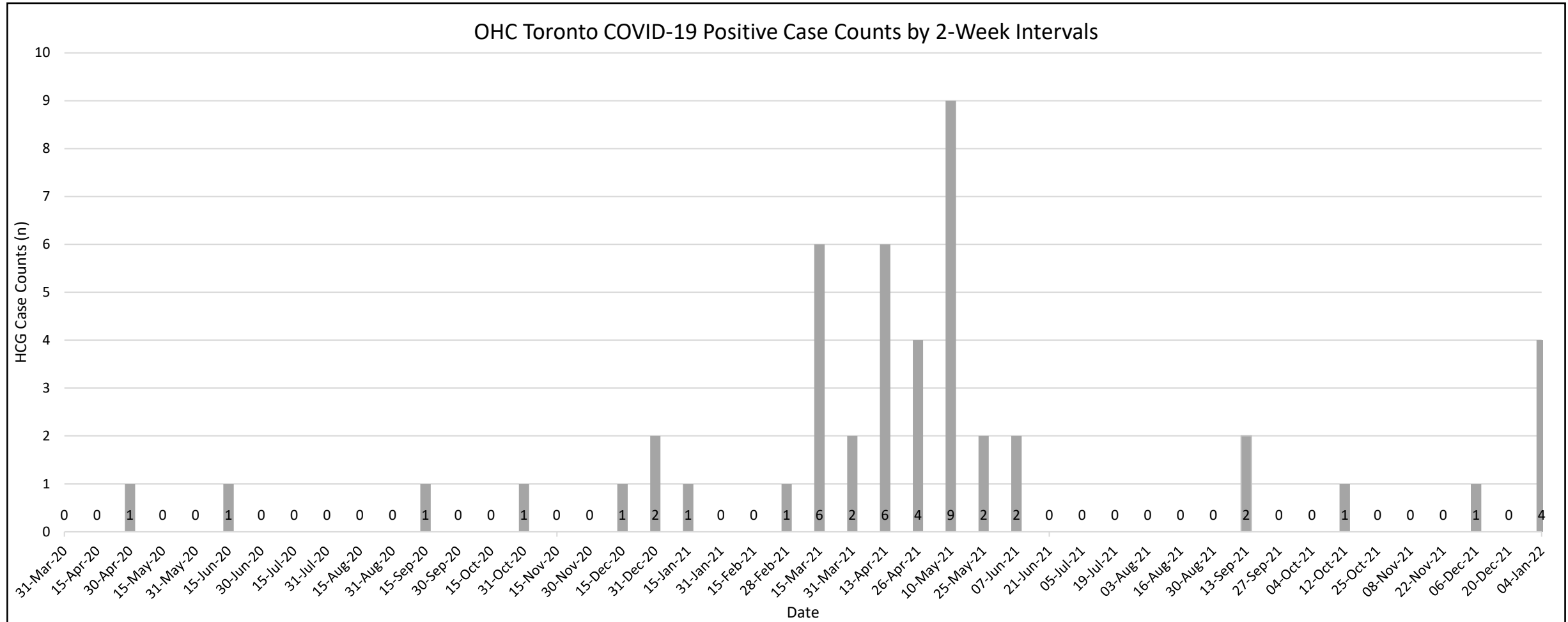
INCIDENCE OF COVID-19 POSITIVE CASES

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 January 10, 2022. 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	440	55.51 [49.24, 61.77]	1,116,432	46.67	5,627,475	46.02
Not Tested	247	44.49 [38.23, 50.76]	1,275,836	53.33	6,600,734	53.98
Total	687		2,392,268		12,228,209	

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

