



# 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: **February 14, 2022**

**Principal Investigator:** Dr. Janet Smylie

**Community Leads:** Seventh Generation Midwives Toronto

**Presentation prepared by:** Stephanie McConkey & Raman Brar (Well Living House)

Seventh Generation Midwives Toronto

SGMT



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 February 14, 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	499	69.66 [63.69, 75.62]	1,978,670	82.72	10,279,570	84.06
Second Dose	463	64.27 [58.13, 70.41]	1,936,423	80.95	10,063,277	82.29
Third Dose	253	39.11 [33.11, 45.09]	1,227,227	51.31	6,343,009	51.87
Total	687		2,391,994		12,228,652	

\*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.

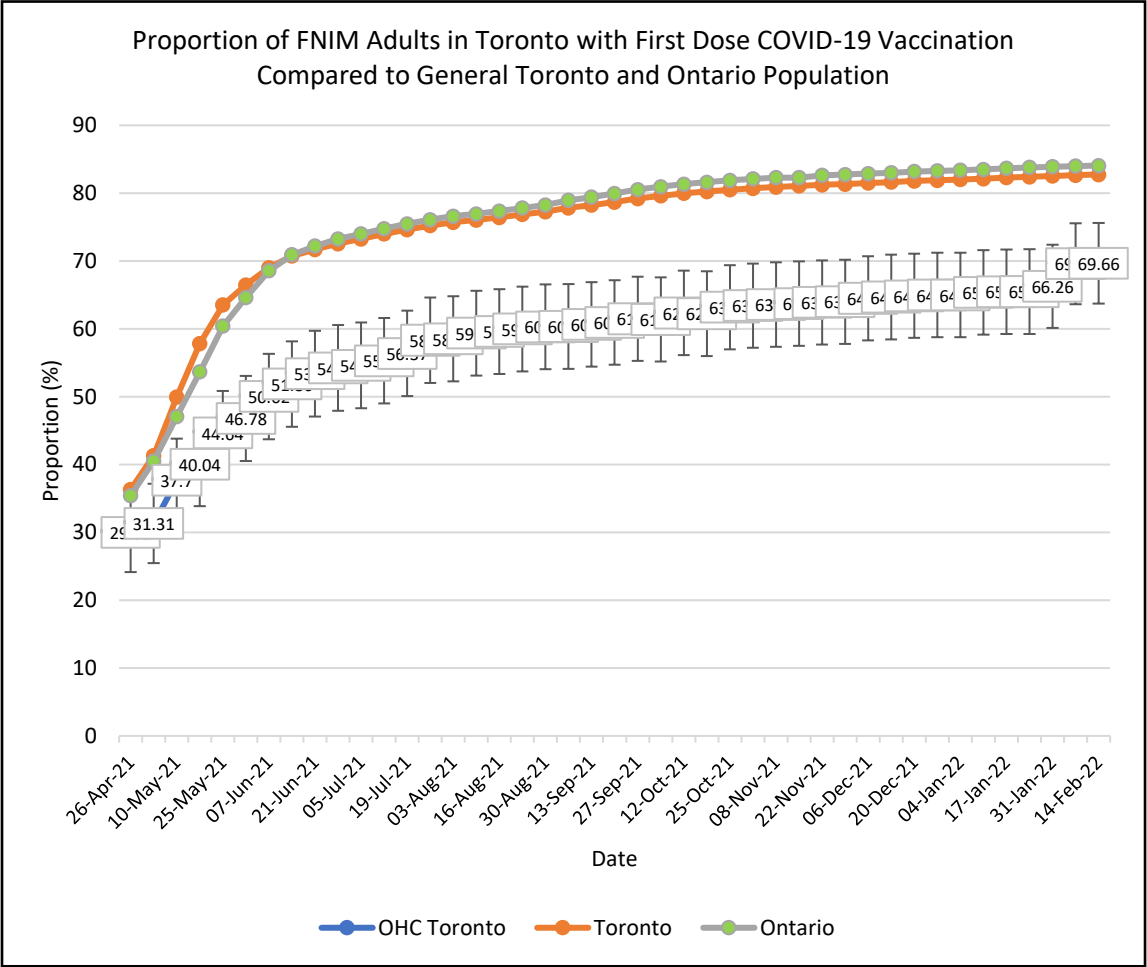
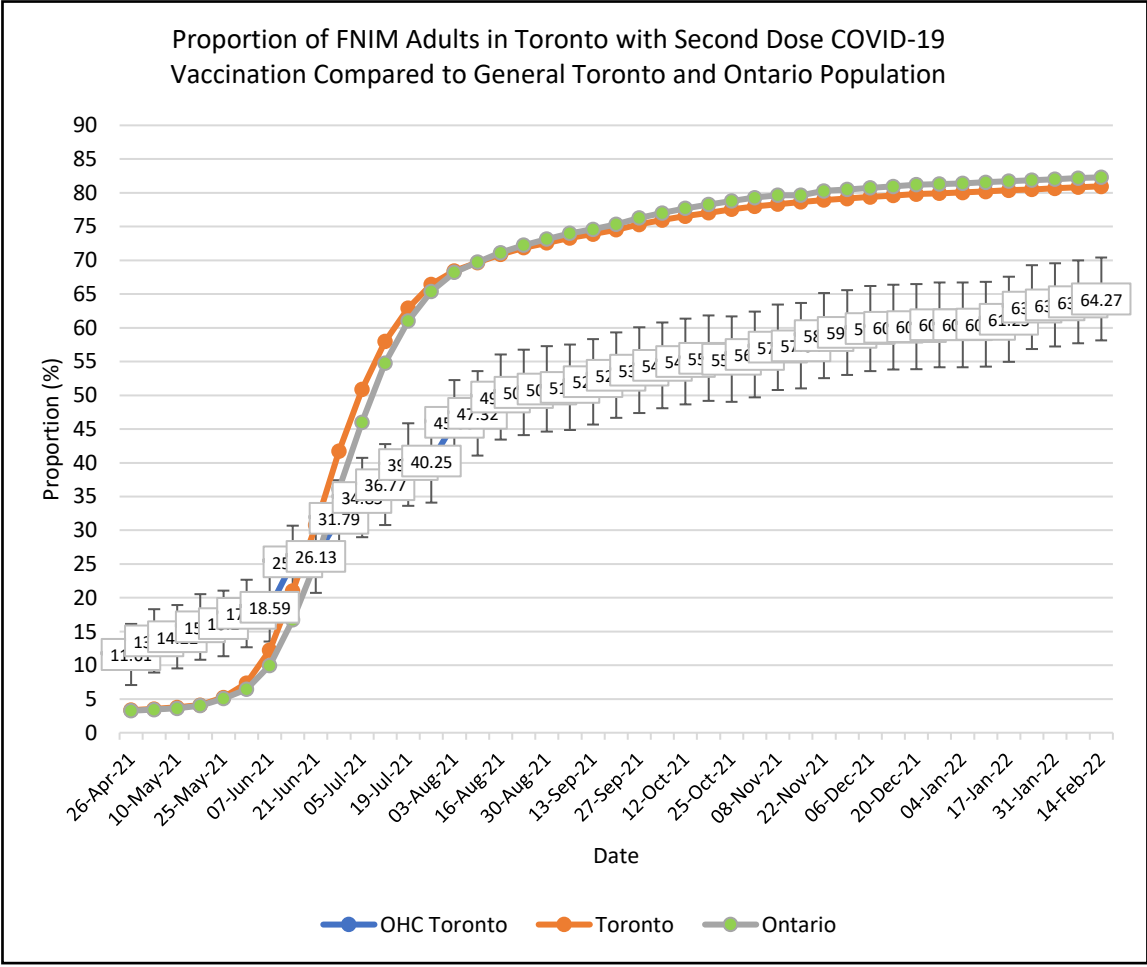
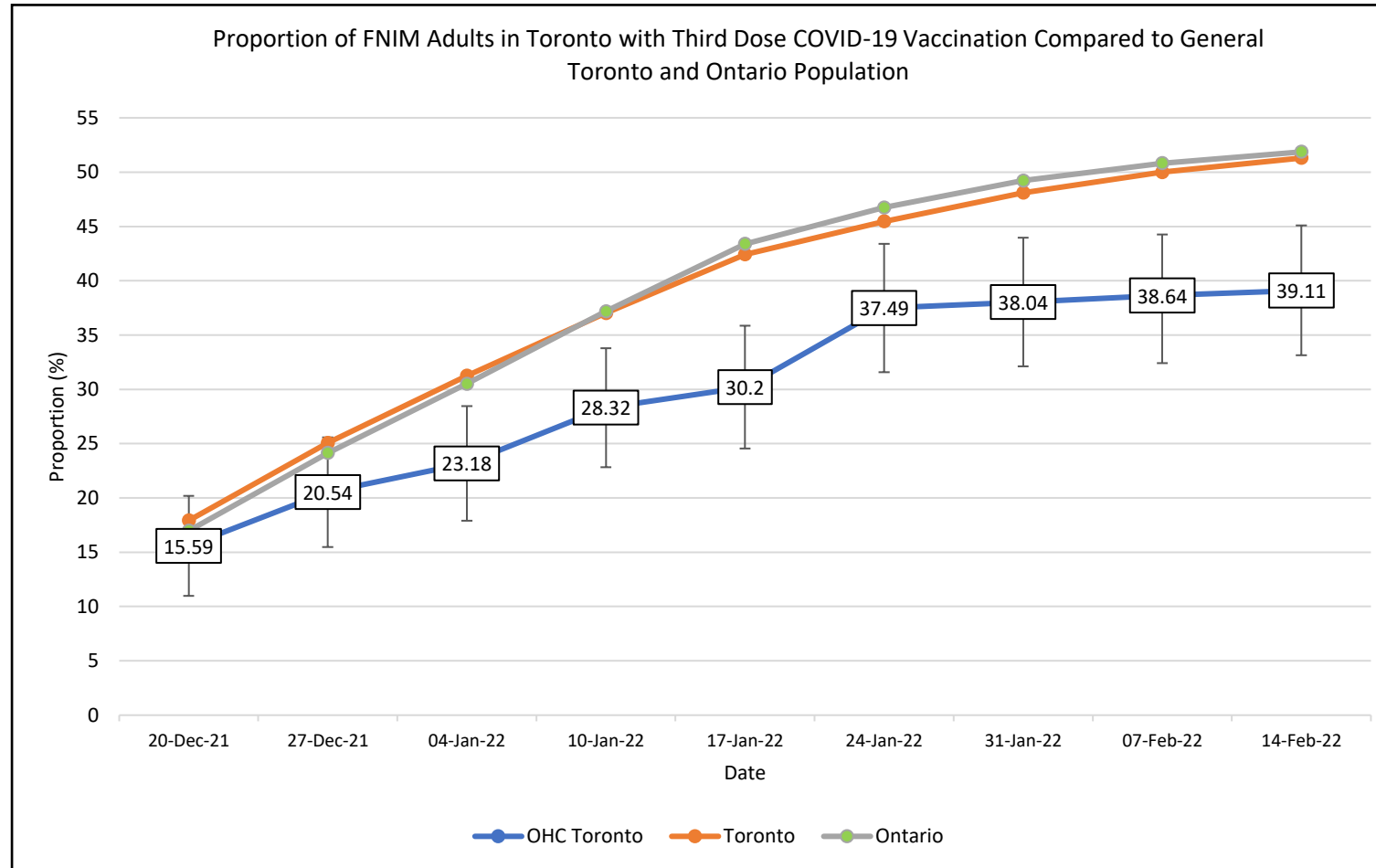


Figure 2: Proportion of Indigenous adults who have received second dose of COVID-19 vaccination over time in comparison to general Toronto and Ontario population. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data.



# 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

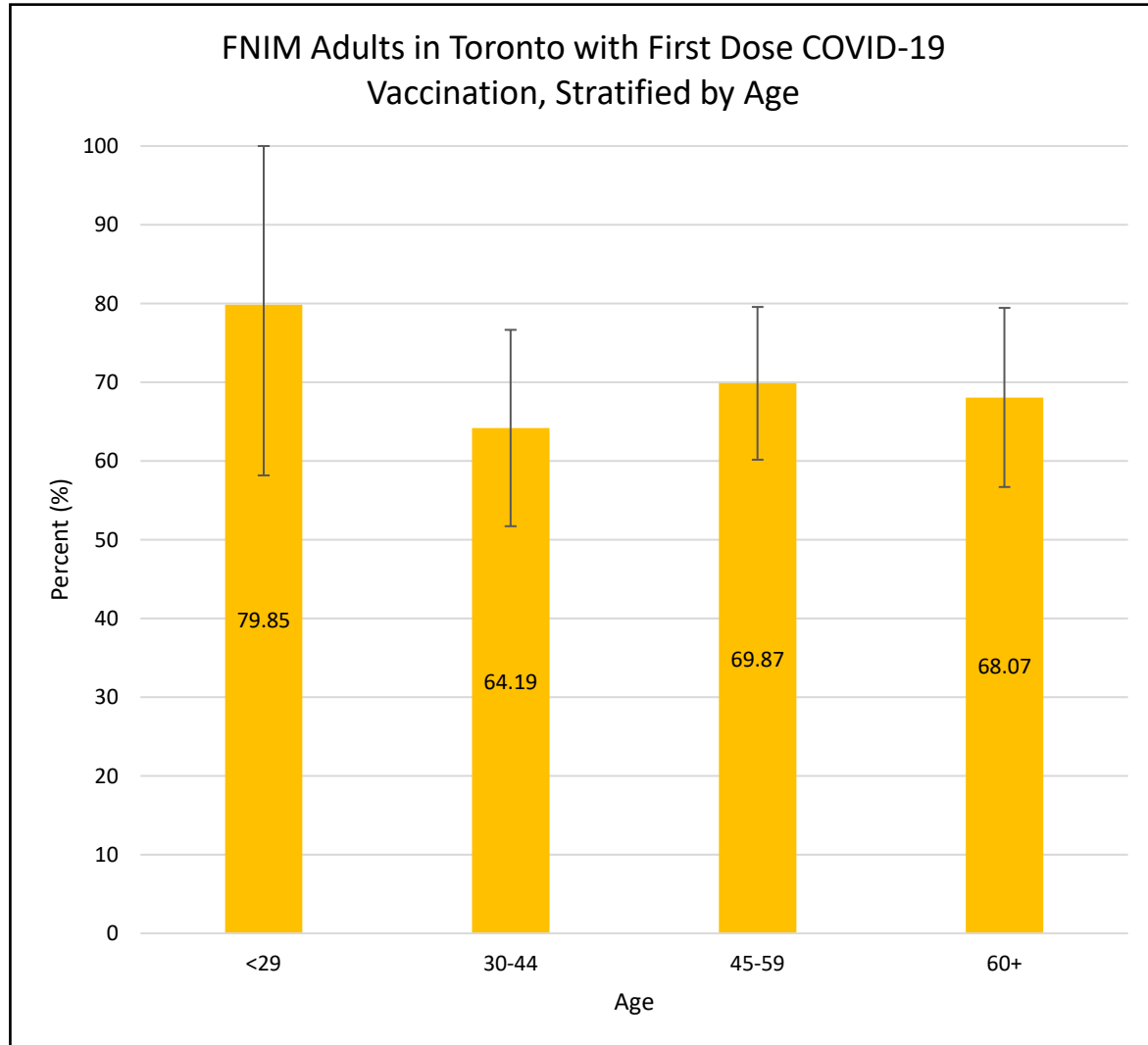
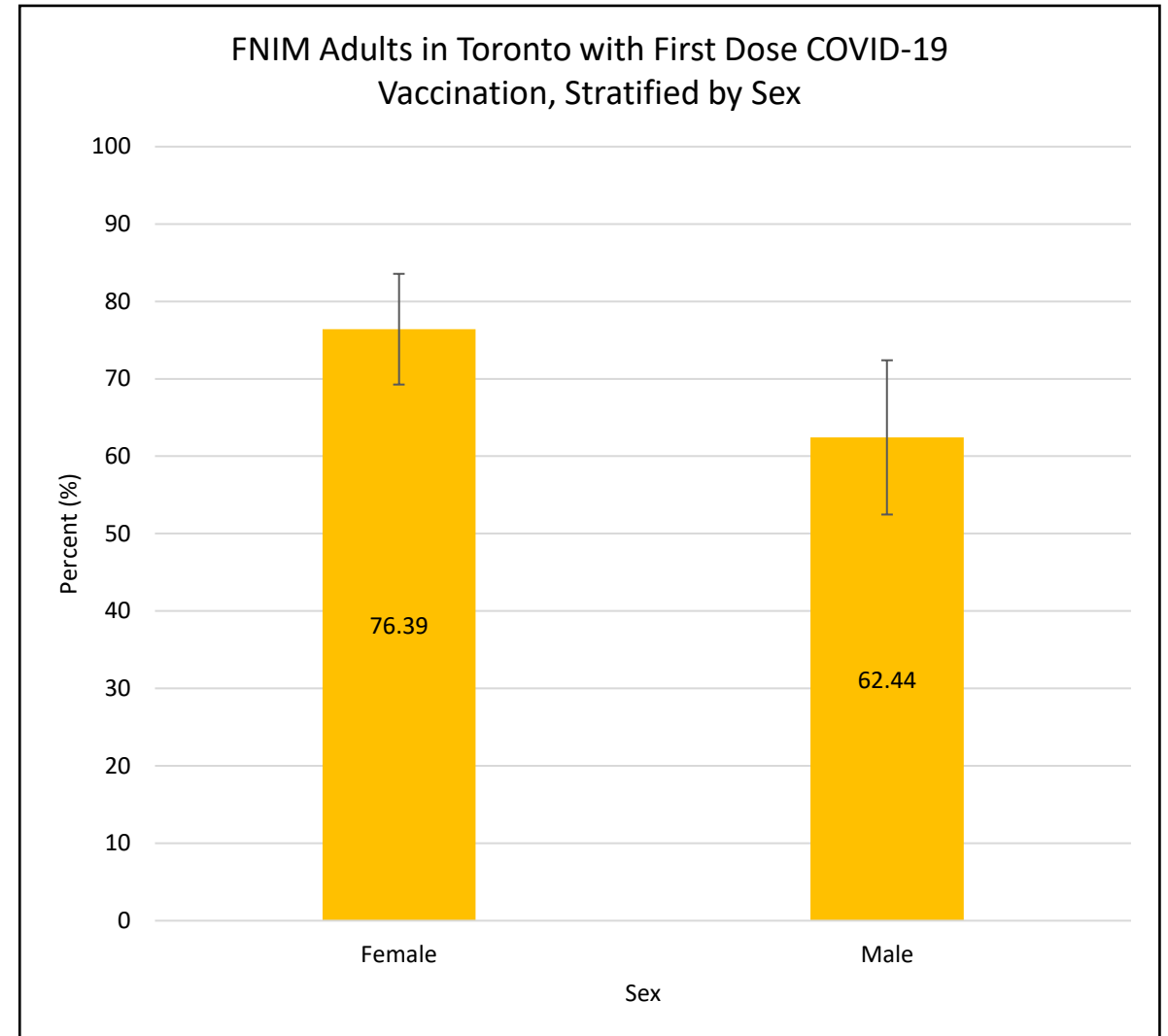


Figure 4: HCG Adjusted Proportion of Indigenous adults who have received first dose of COVID-19, stratified by sex



# 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

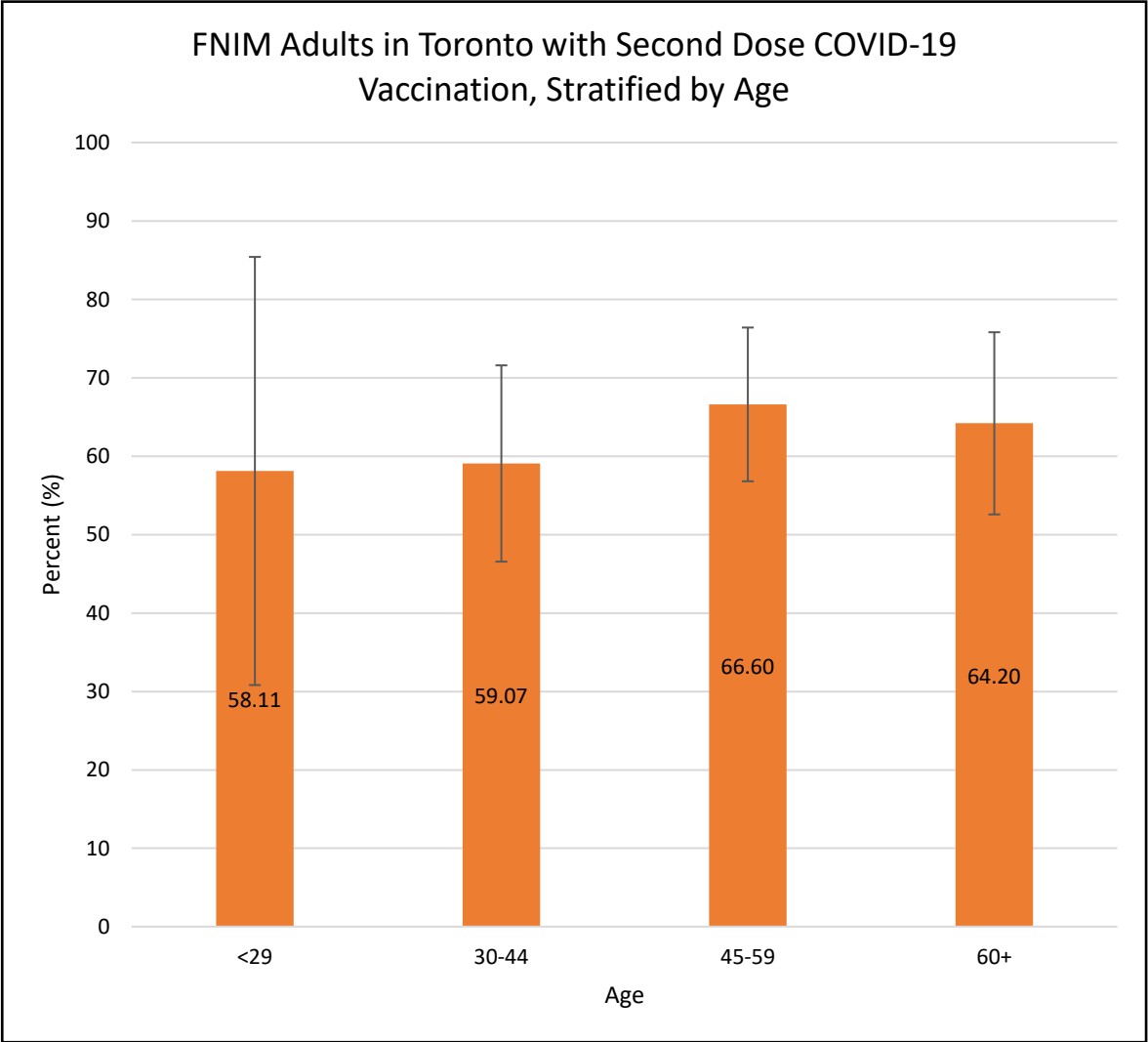
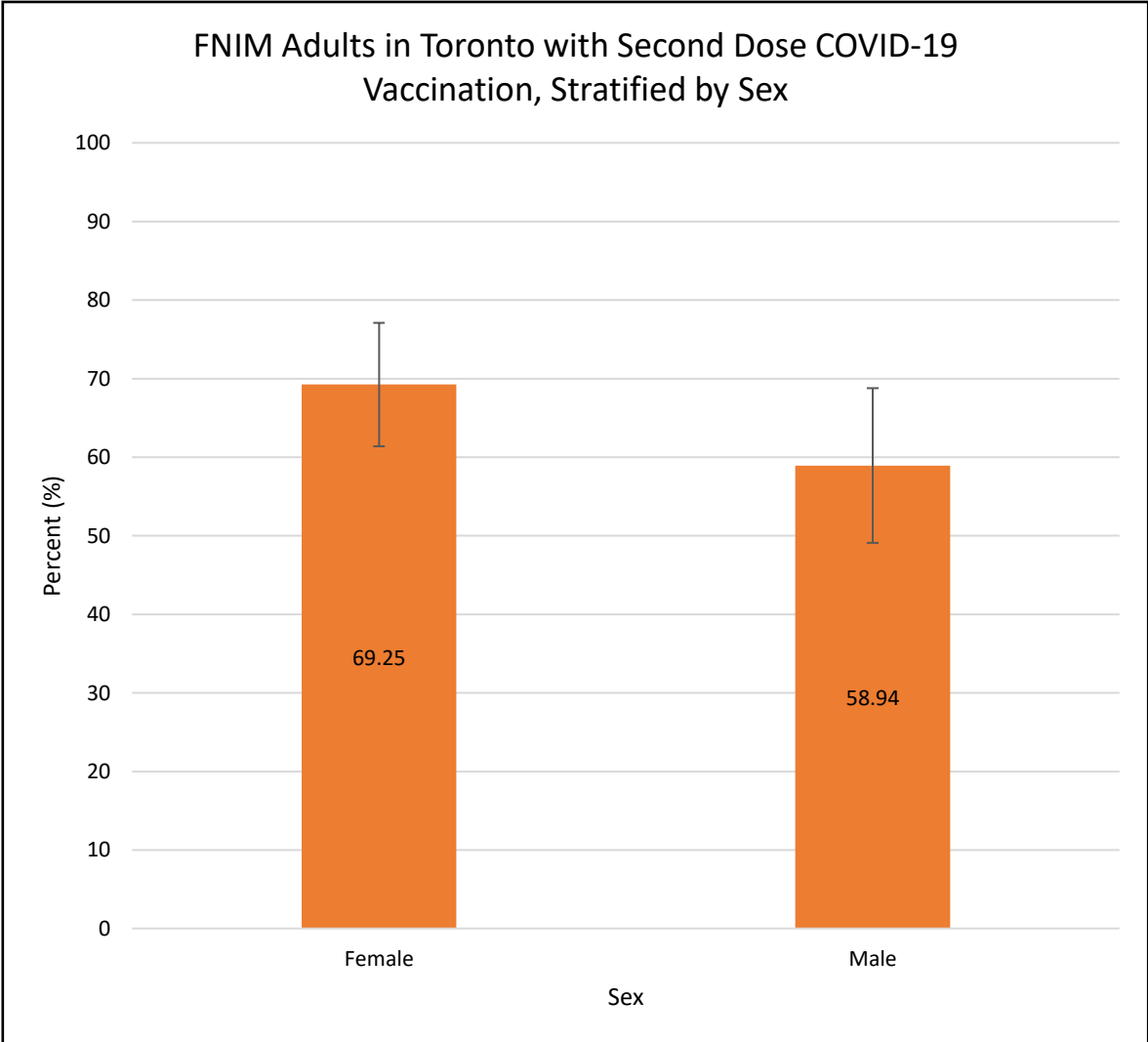


Figure 6: HCG Adjusted Proportion of Indigenous adults who have received second dose of COVID-19, stratified by sex



# THIRD DOSE COVID-19 VACCINATIONS

Figure 7: RDS-II Adjusted Proportion of Indigenous adults who have received third dose of COVID-19, stratified by age

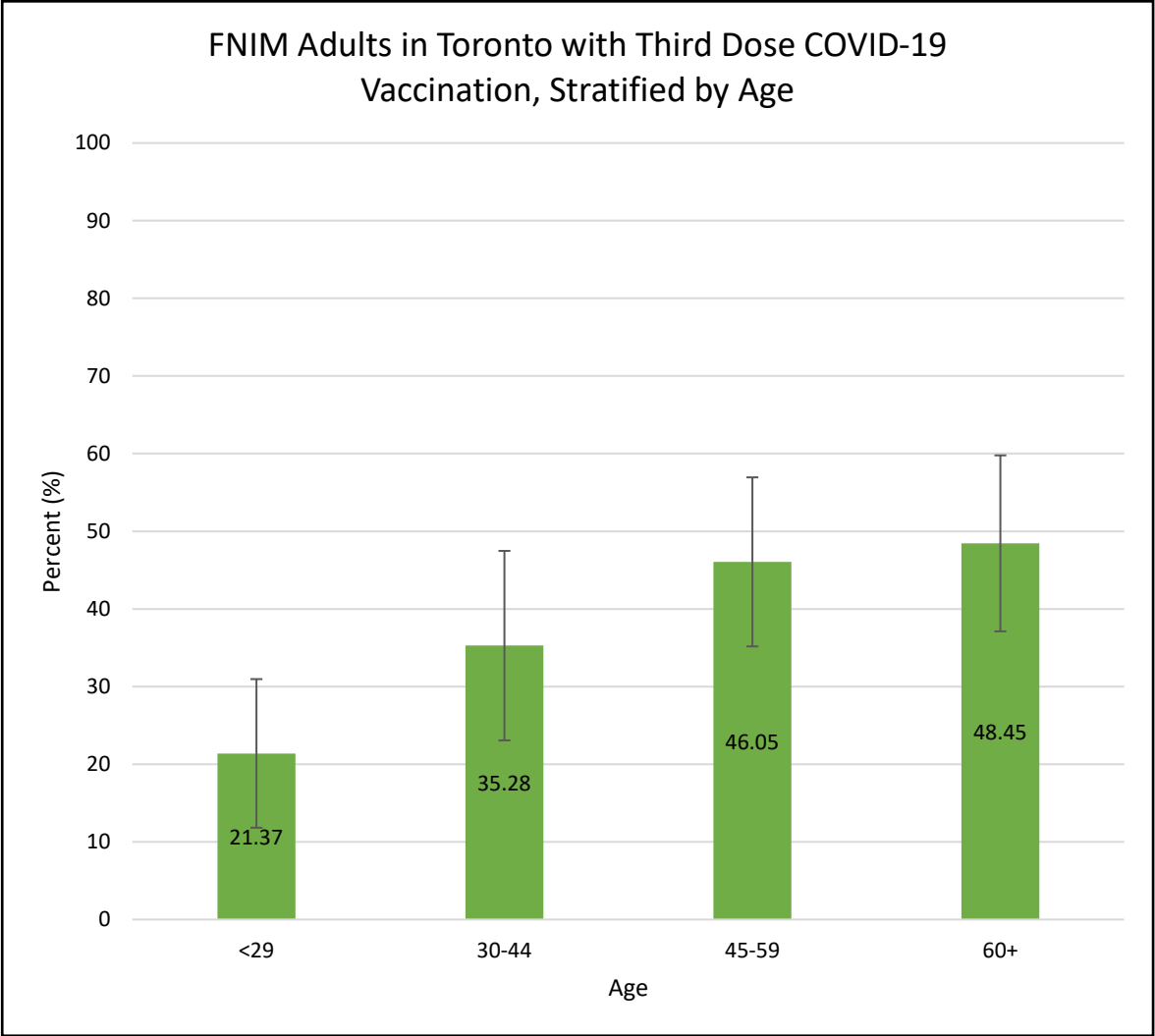
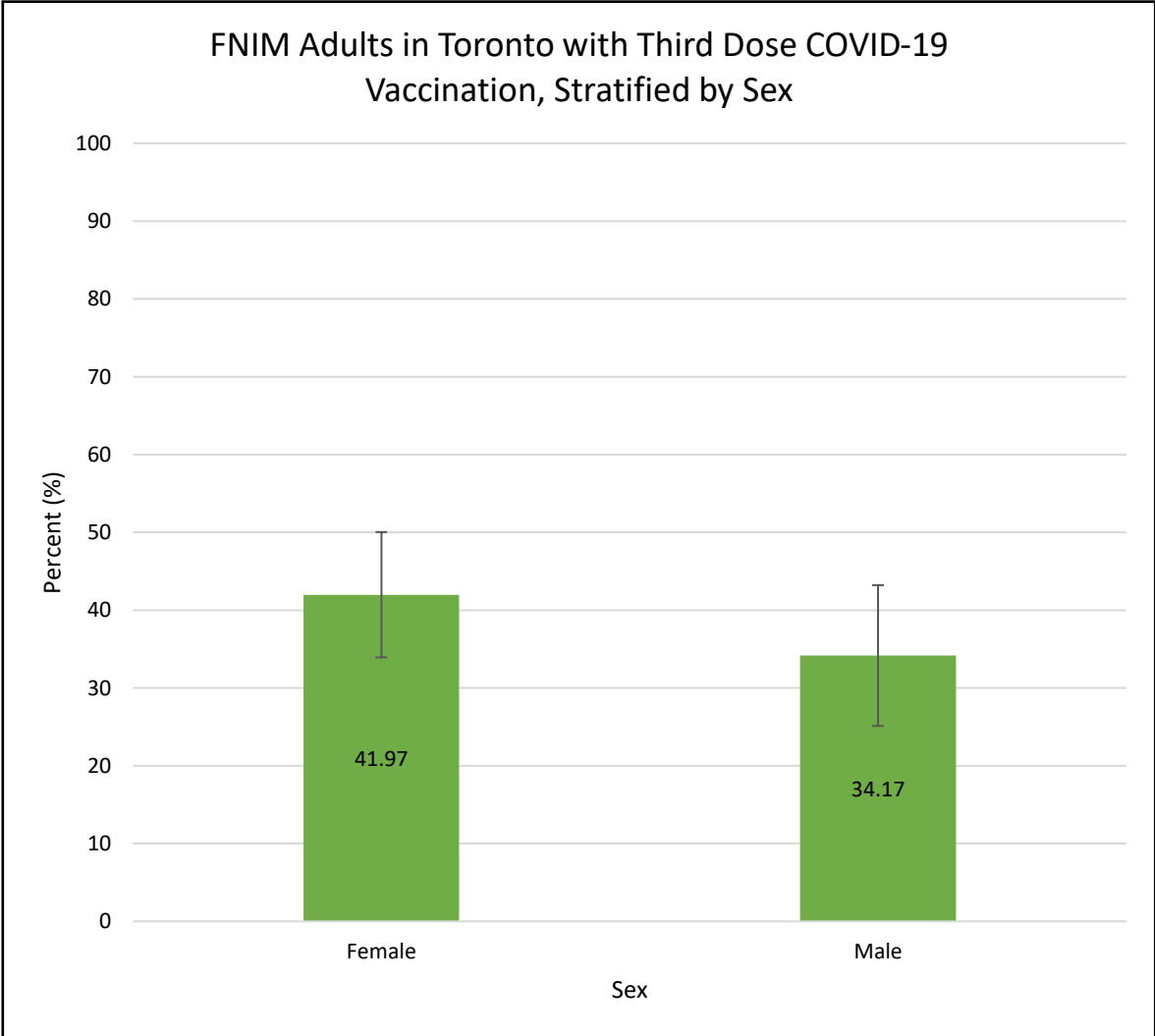


Figure 8: HCG Adjusted Proportion of Indigenous adults who have received third dose of COVID-19, stratified by sex



# 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	69.66 [63.69, 75.62]	71,097	49,526	
Second Dose	64.27 [58.13, 70.41]	71,097	45,694	
Third Dose	39.11 [33.11, 45.09]	71,097	27,806	
Total			123,026	90,265



# 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 February 14, 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.

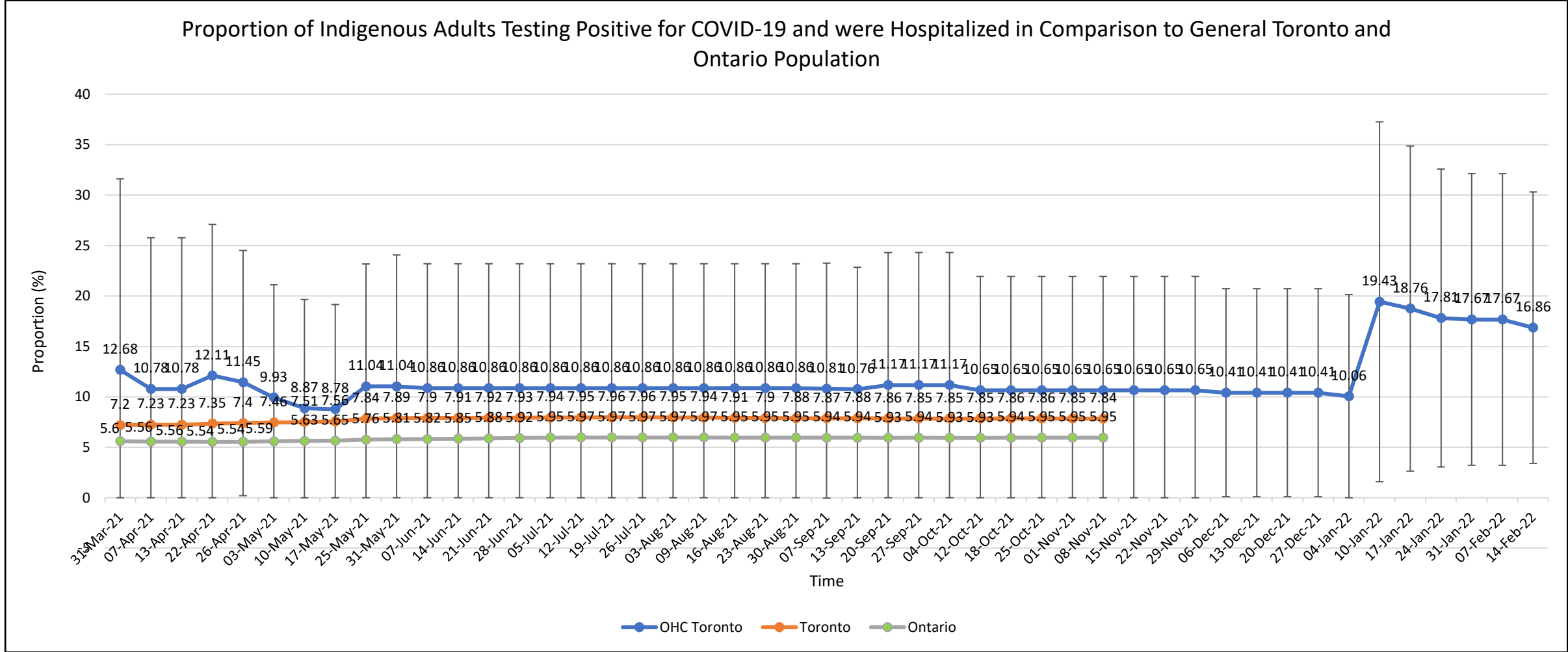
	FNIM Population in Toronto*		City of Toronto Population		Ontario Population	
	n	RDS-II Adjusted Proportion % [95% Confidence Interval]	n	Proportion %	n	Proportion %
Hospitalizations	-	16.86 [3.39, 30.32]	11,967	5.69	35,685	4.15
Total COVID-19 positive cases	81		210,161		859,872	

\*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 9: 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

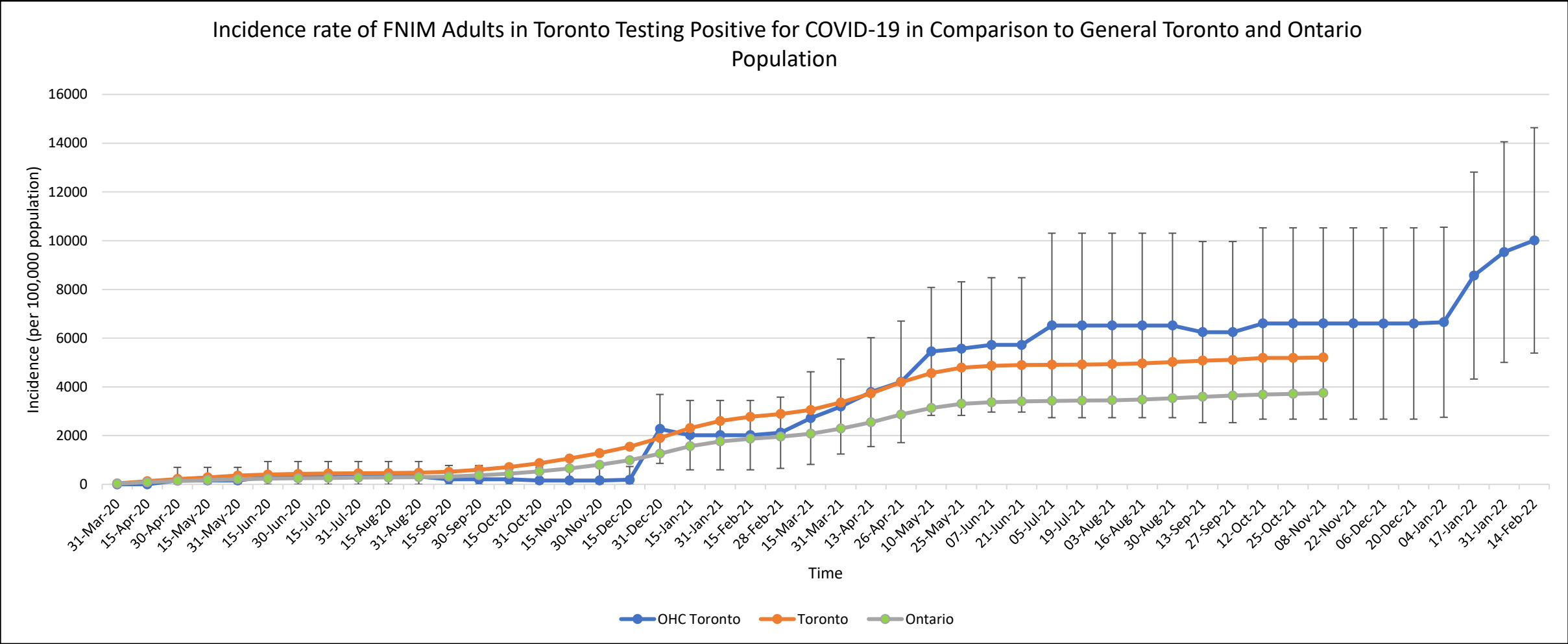
Table 5: Incidence rate of Indigenous adults testing positive for COVID-19 in comparison to general Toronto and Ontario population from January 2020 to February 14, 2022. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data holdings.

	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	81	10,010 [5,391, 14,637]	210,161	8,786.02	859,872	7,031.62
Total	687		2,391,994		12,228,652	

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

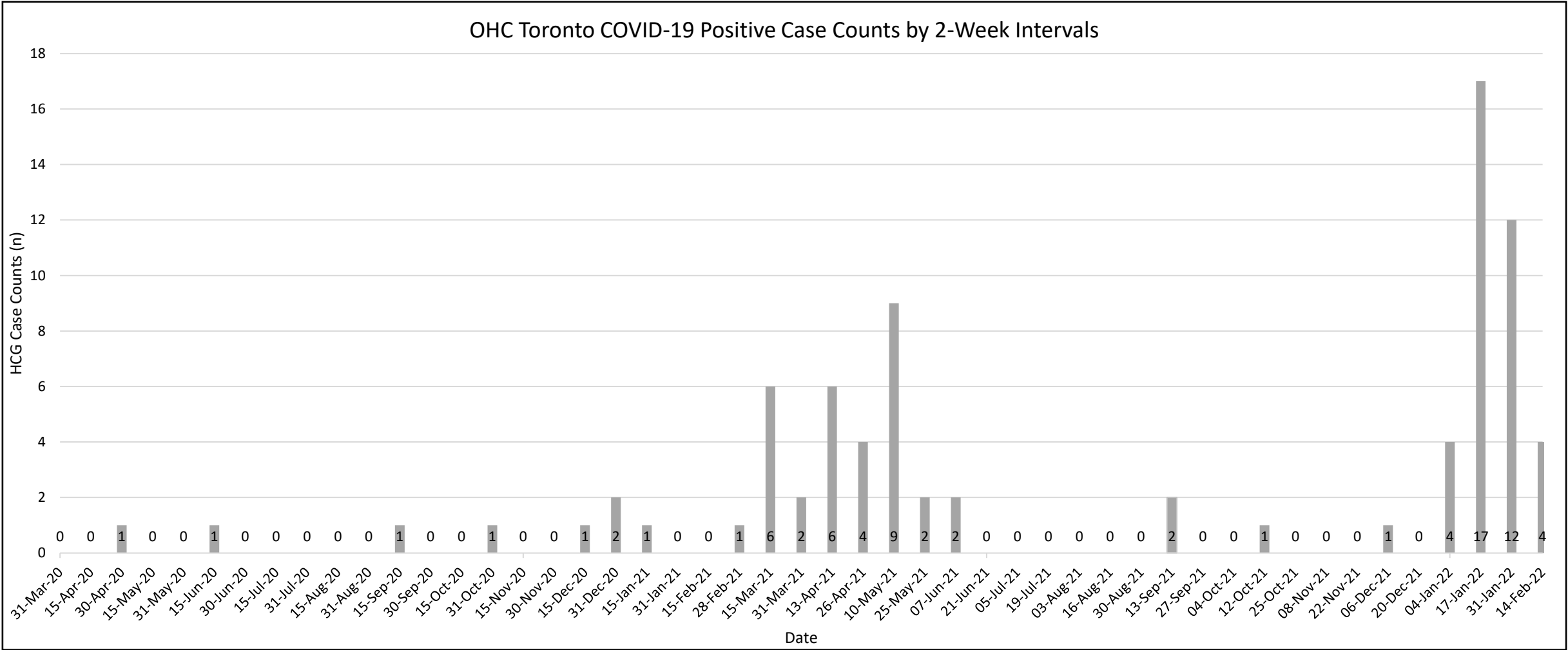
# INCIDENCE OF COVID-19 POSITIVE CASES

Figure 11: 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 12: 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 February 14, 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	447	56.25 [50.00, 62.49]	1,147,016	47.95	5,788,916	47.34
Not Tested	240	43.75 [37.51, 50.00]	1,244,978	52.05	6,439,736	52.66
Total	687		2,391,994		12,228,652	

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

# References

- [illegible]

# References

- [illegible]