



# 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 28, 2022**

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**Community Leads:** Seventh Generation Midwives Toronto

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# COVID-19 VACCINATIONS

Table 1: Proportion of Indigenous adults who have received first, second and third doses of COVID-19 vaccination as of February 28, 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	501	70.07 [64.10, 76.03]	1,984,783	84.11	10,480,443	85.29
Second Dose	465	64.70 [58.59, 70.82]	1,944,983	82.42	10,271,551	83.59
Third Dose	261	39.62 [33.33, 45.91]	1,265,109	53.61	6,569,094	53.46
Total	687		2,359,851		12,287,412	

\*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.

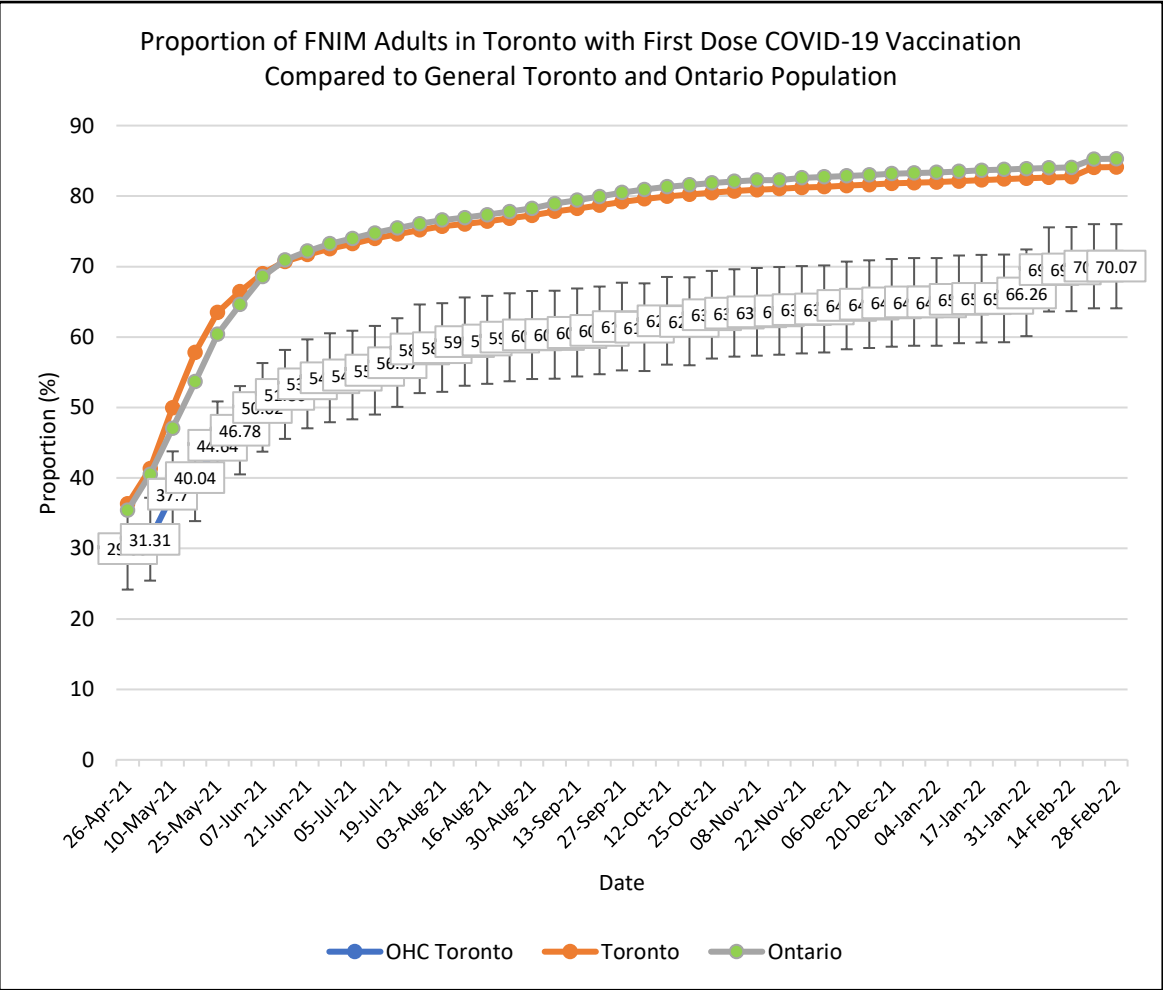
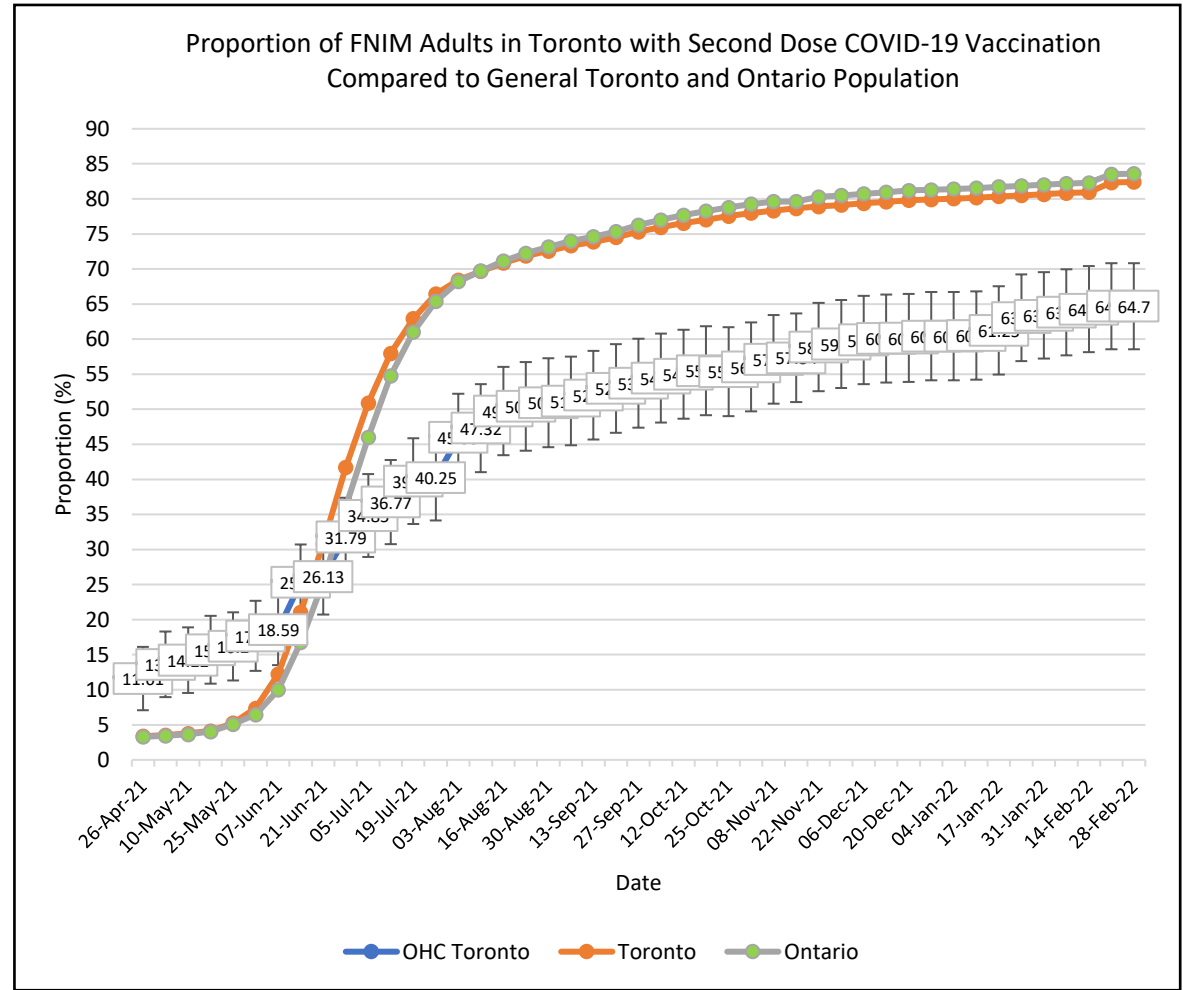
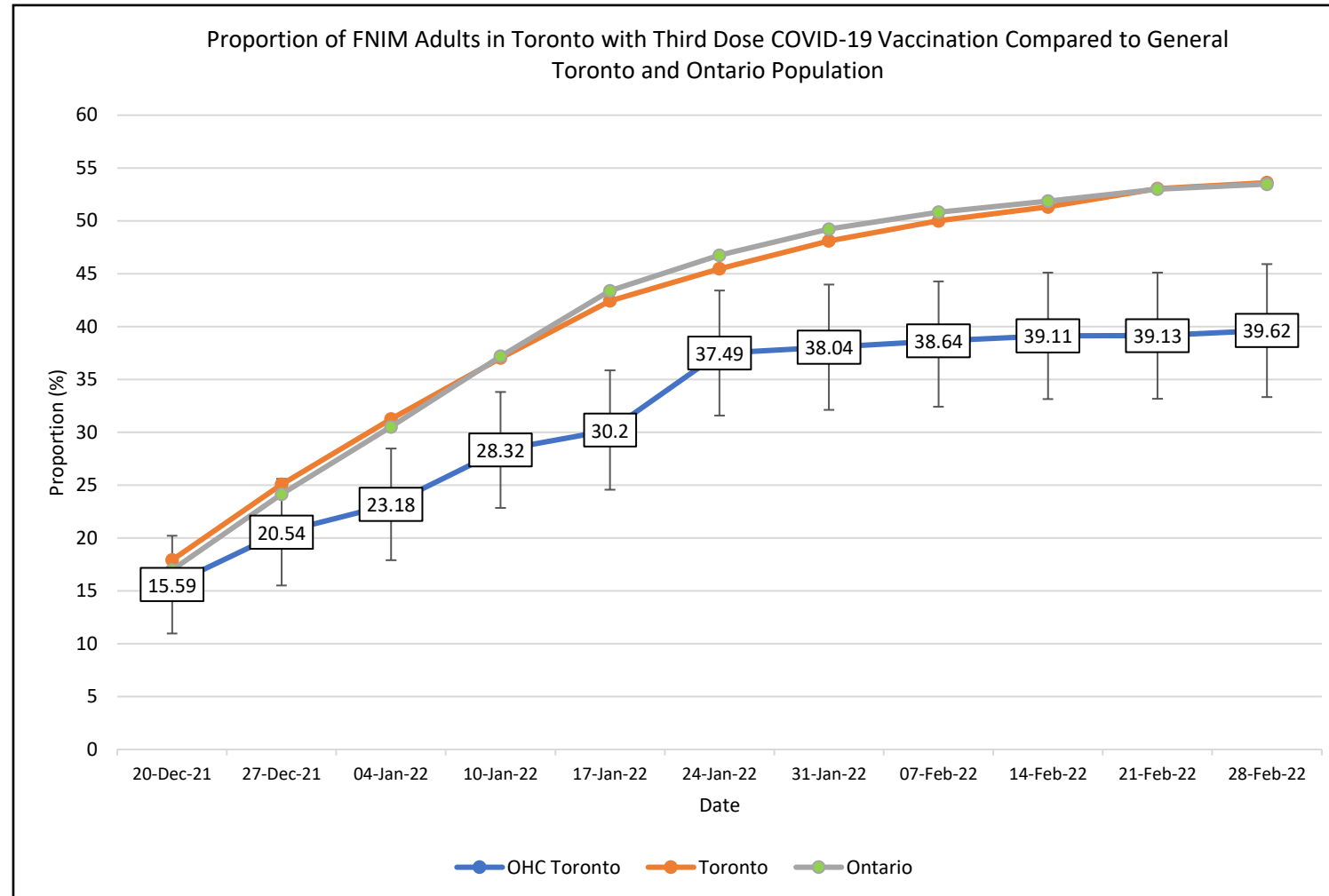


Figure 2: Proportion of Indigenous adults who have received second dose of COVID-19 vaccination over time in comparison to general Toronto and Ontario population. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data.



# 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

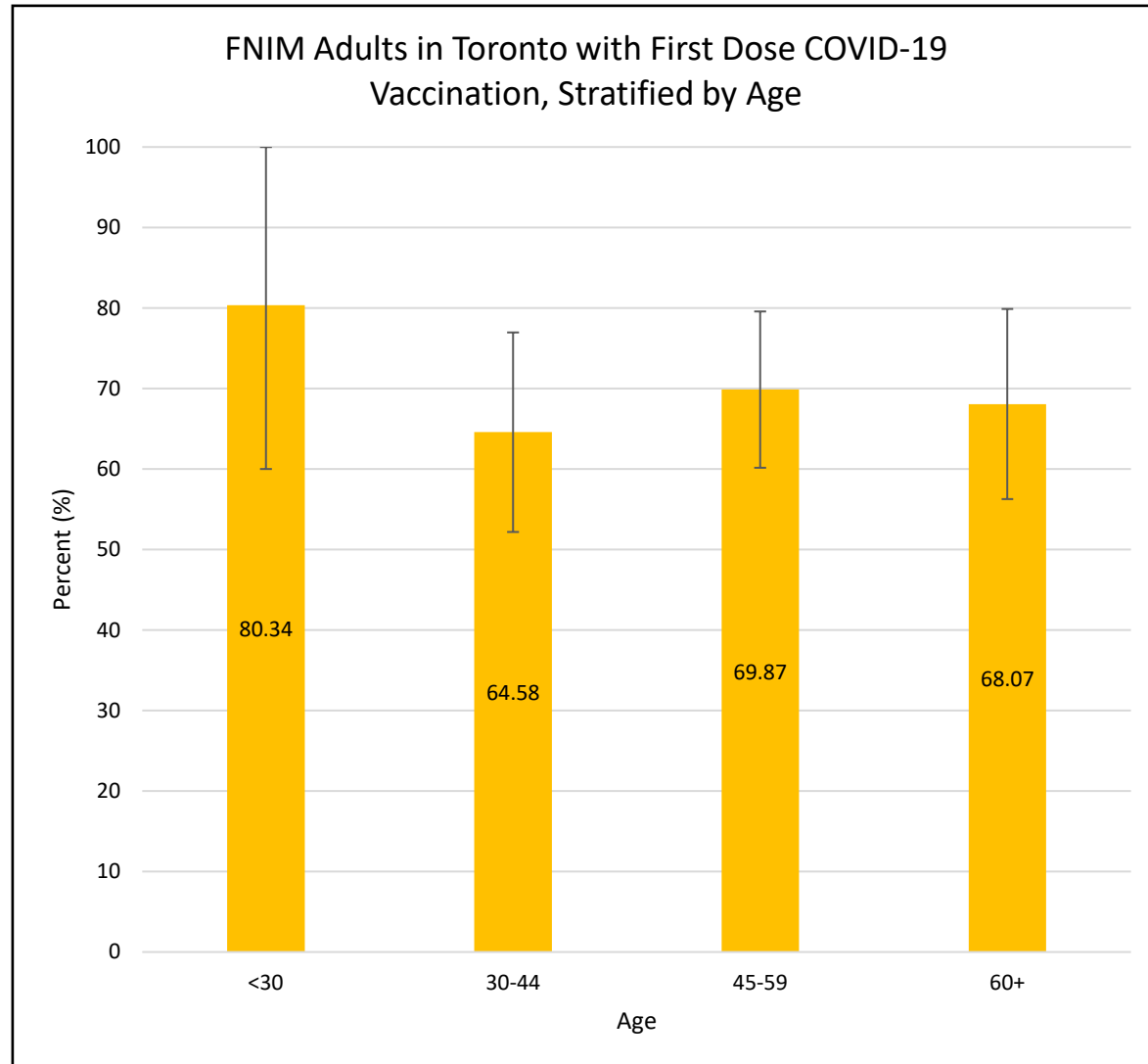
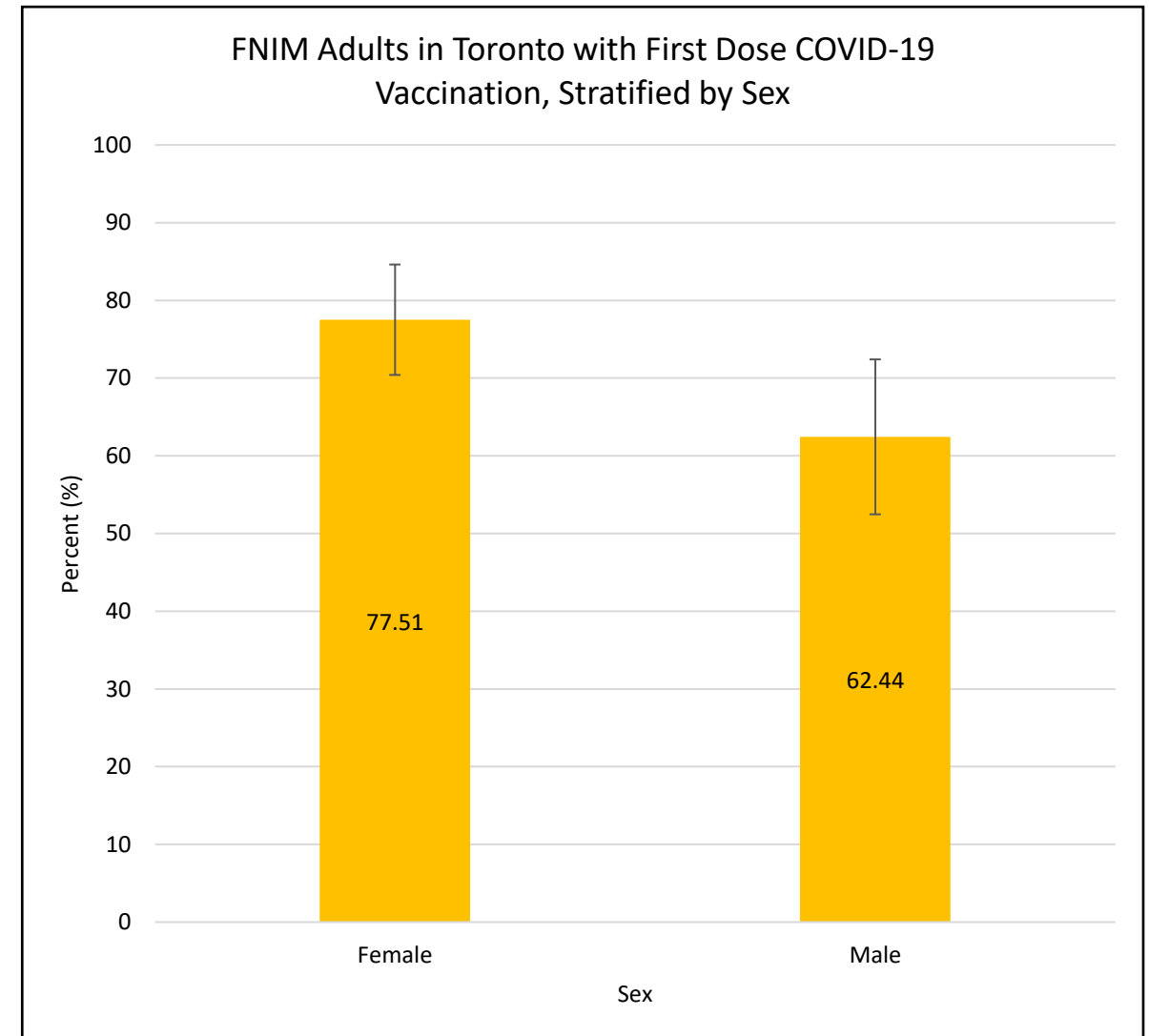


Figure 4: HCG Adjusted Proportion of Indigenous adults who have received first dose of COVID-19, stratified by sex



# 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

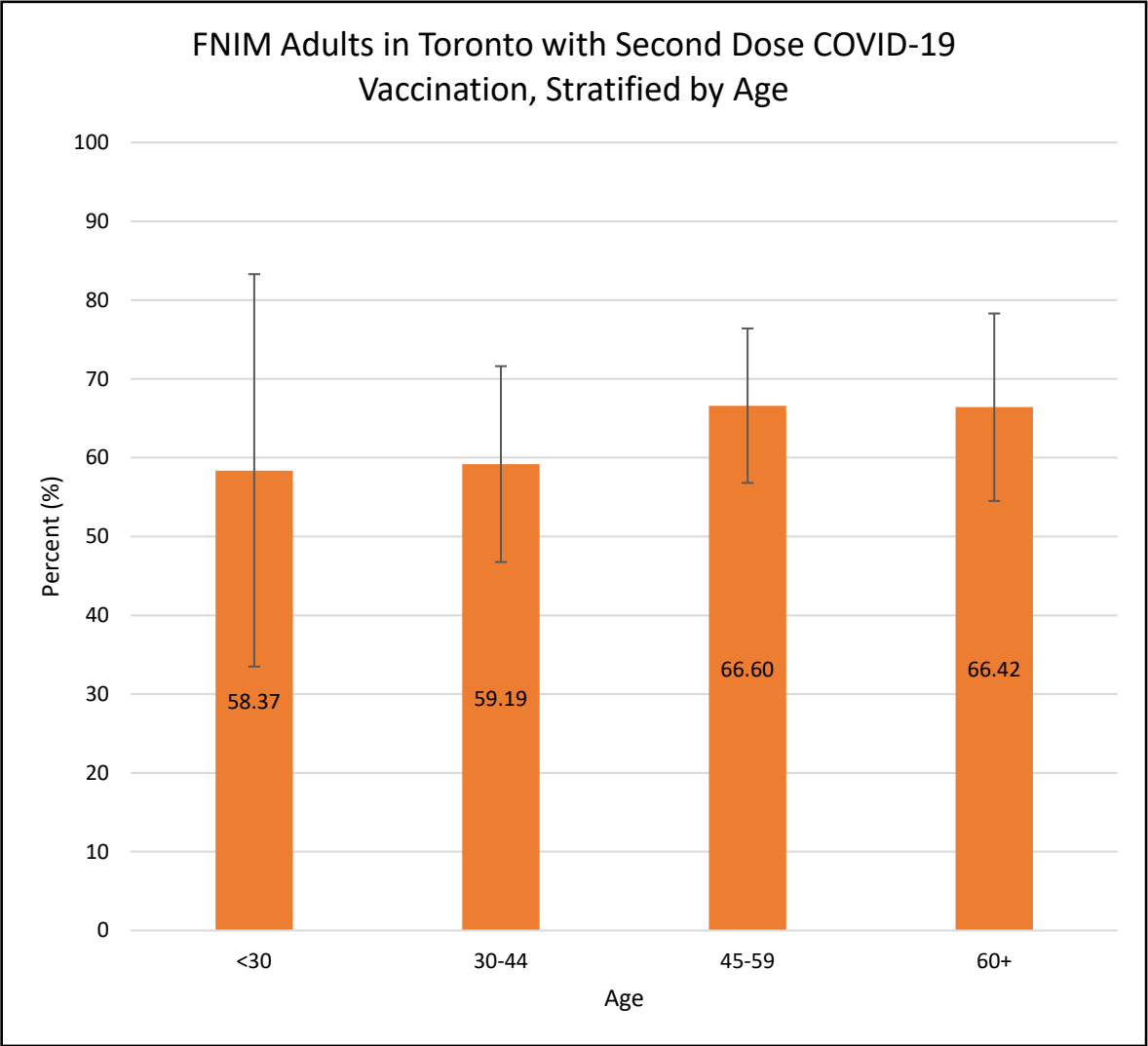
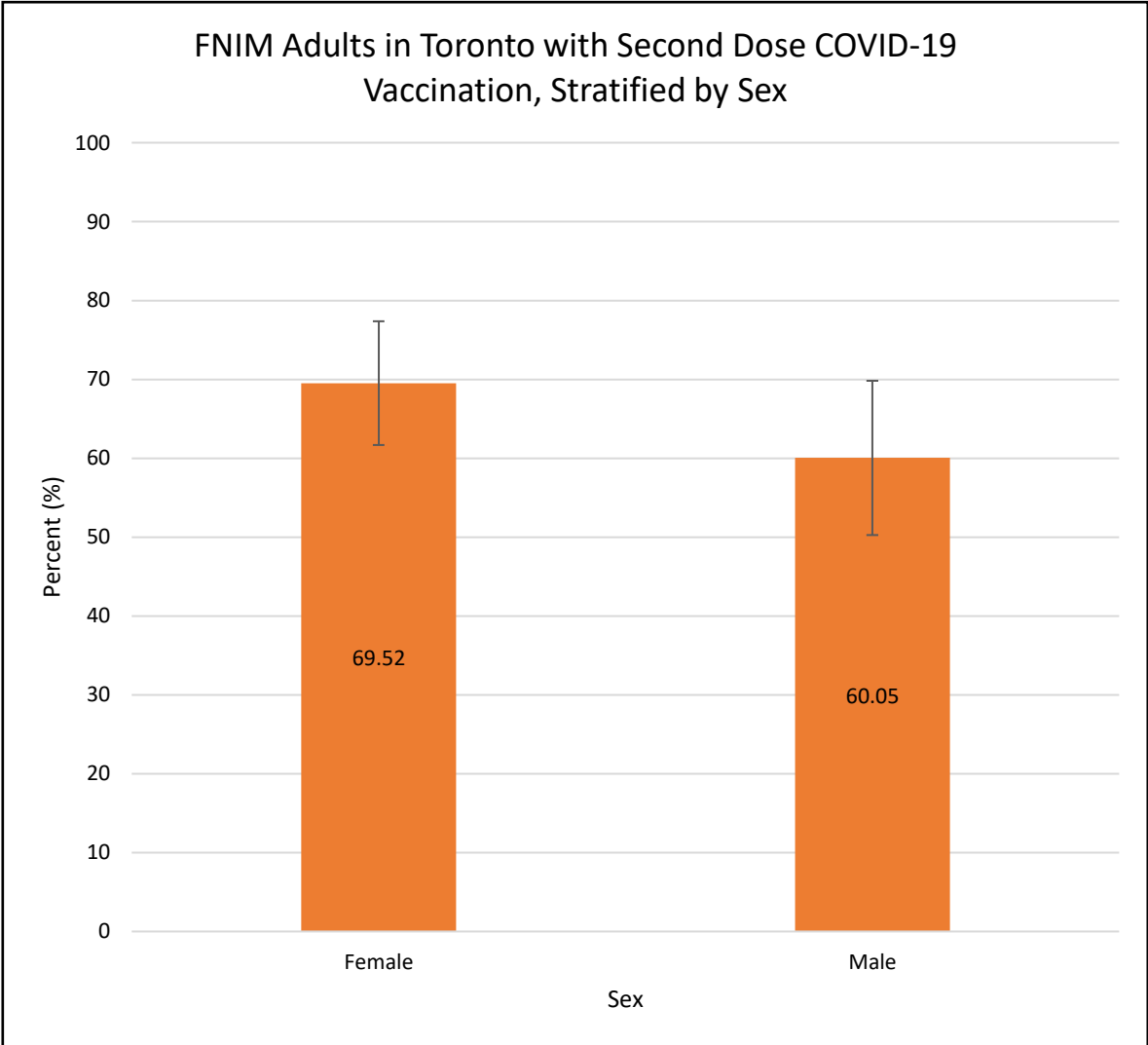


Figure 6: HCG Adjusted Proportion of Indigenous adults who have received second dose of COVID-19, stratified by sex



# 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

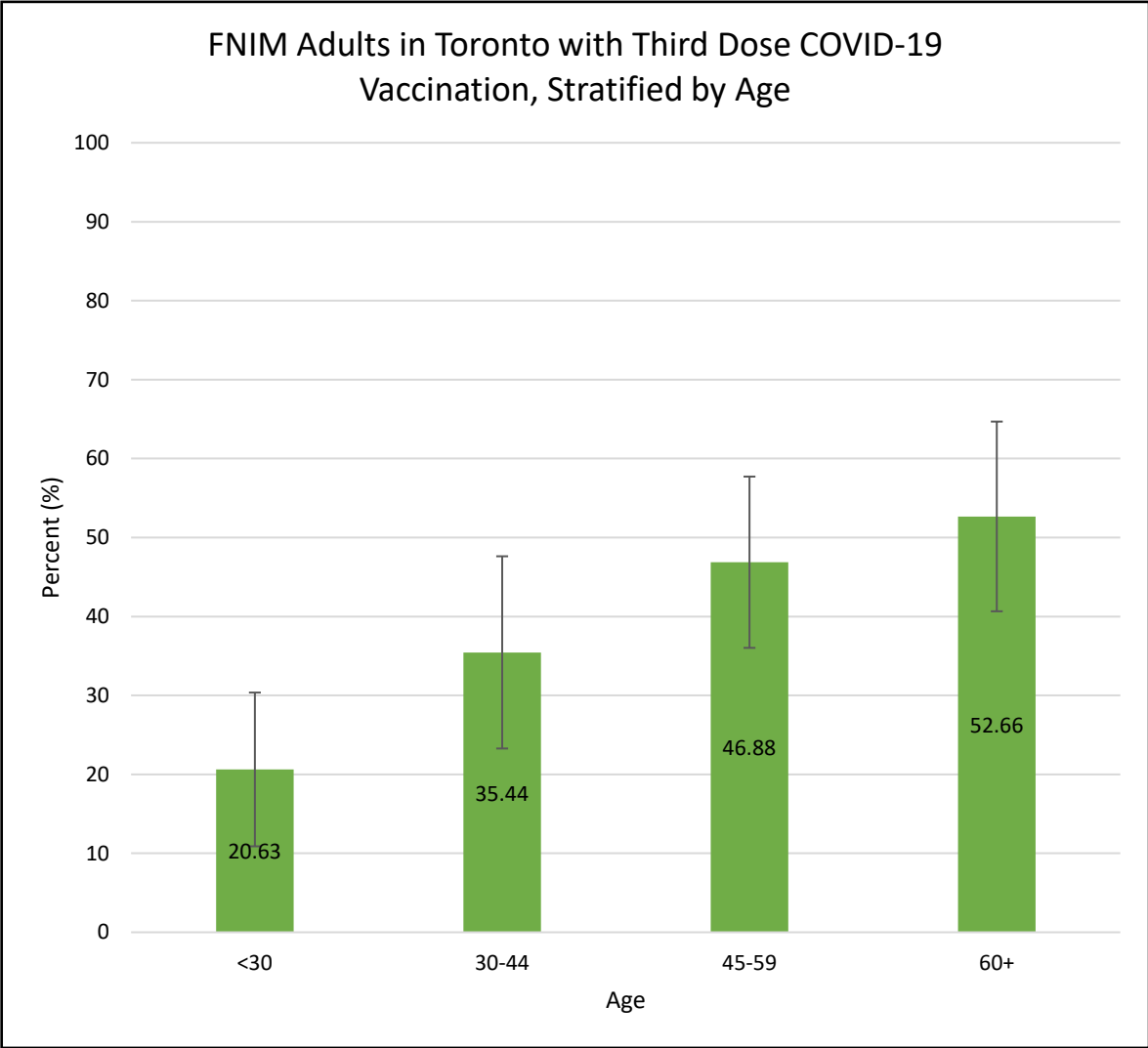
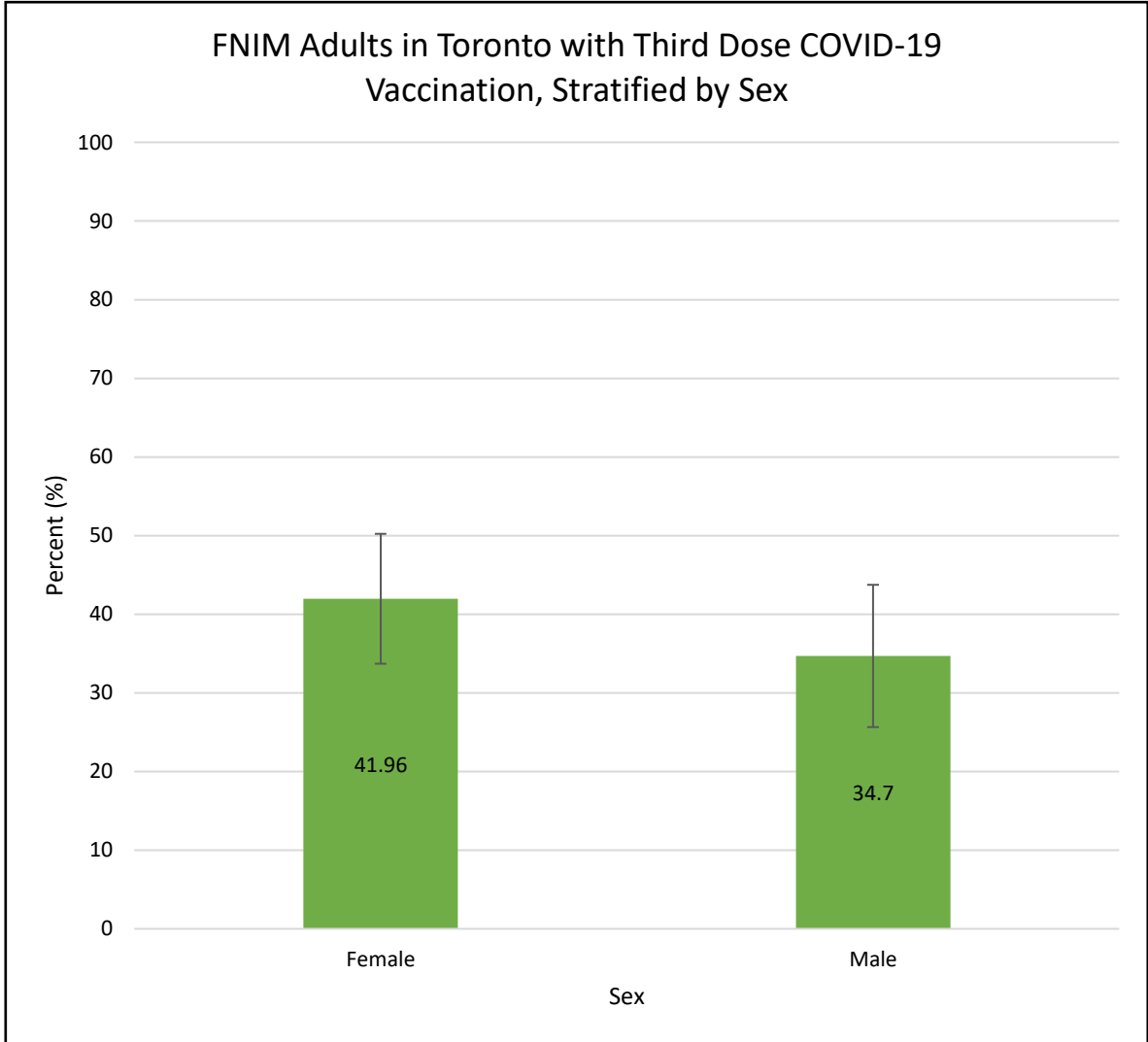


Figure 8: HCG Adjusted Proportion of Indigenous adults who have received third dose of COVID-19, stratified by sex



# 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	70.07 [64.10, 76.03]	71,097	49,818	
Second Dose	64.70 [58.59, 70.82]	71,097	46,000	
Third Dose	39.62 [33.33, 45.91]	71,097	28,169	
Total			123,987	89,304



# 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 28, 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.

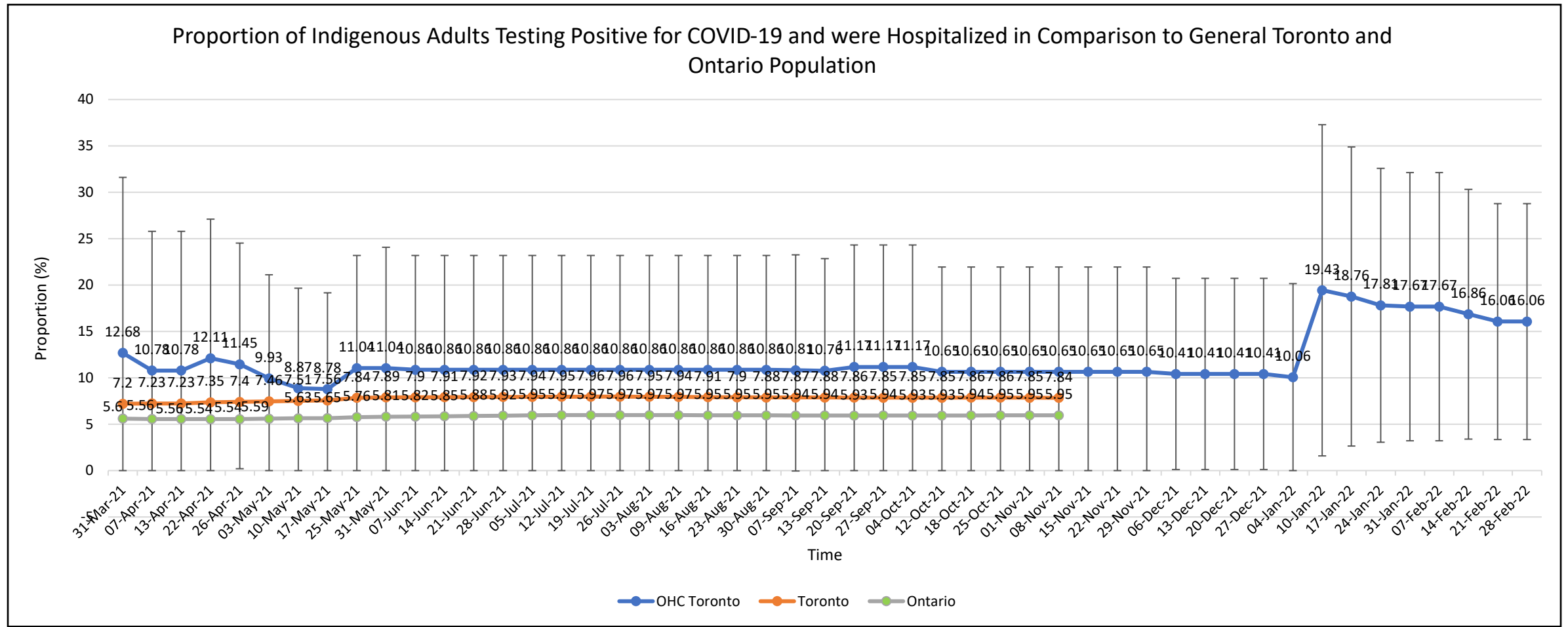
	FNIM Population in Toronto*		City of Toronto Population		Ontario Population	
	n	RDS-II Adjusted Proportion % [95% Confidence Interval]	n	Proportion %	n	Proportion %
Hospitalizations	-	16.06 [3.35, 28.78]	11,760	5.55	37,181	4.13
Total COVID-19 positive cases	85		212,052		899,652	

\*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

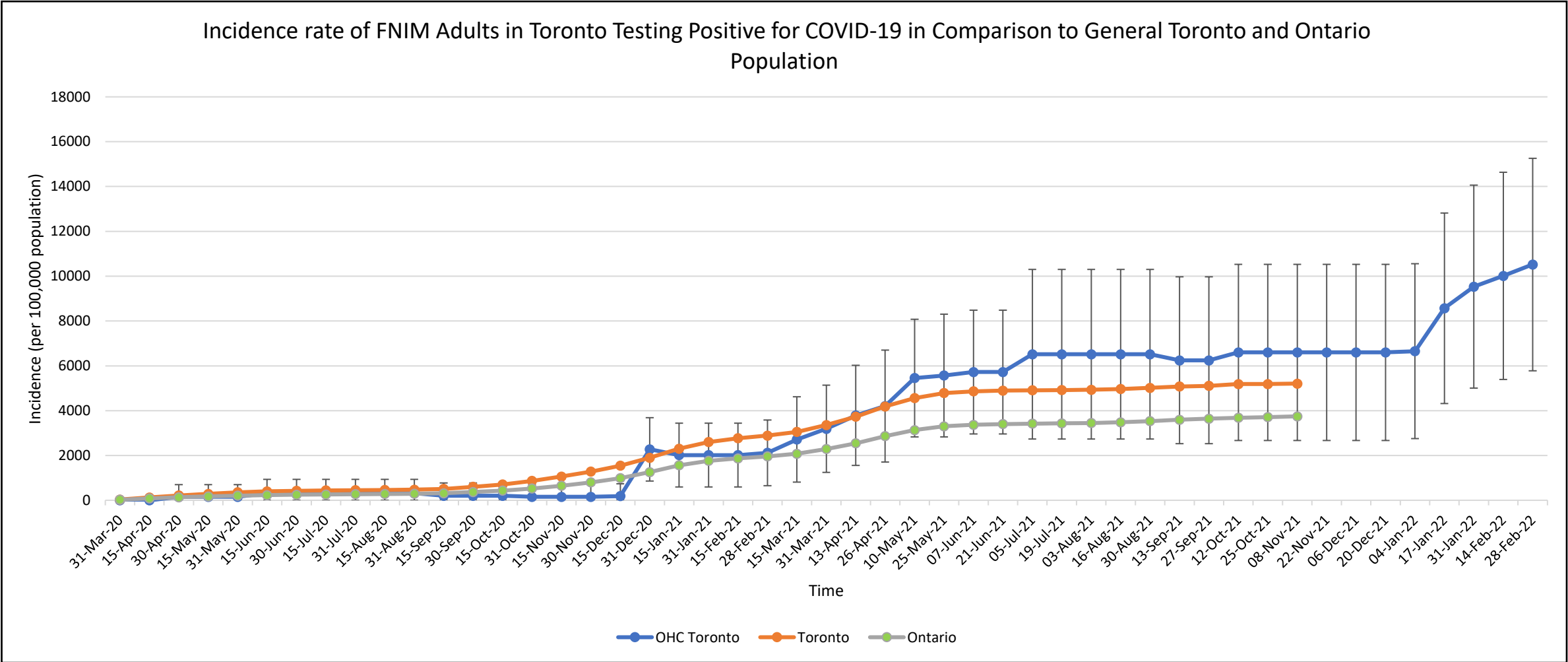
Table 5: Incidence rate of Indigenous adults testing positive for COVID-19 in comparison to general Toronto and Ontario population from January 2020 to February 28, 2022. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data holdings.

	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	85	10,520 [5,776, 15,255]	212,052	8,931.93	899,652	7,321.74
Total	687		2,359,851		12,287,412	

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

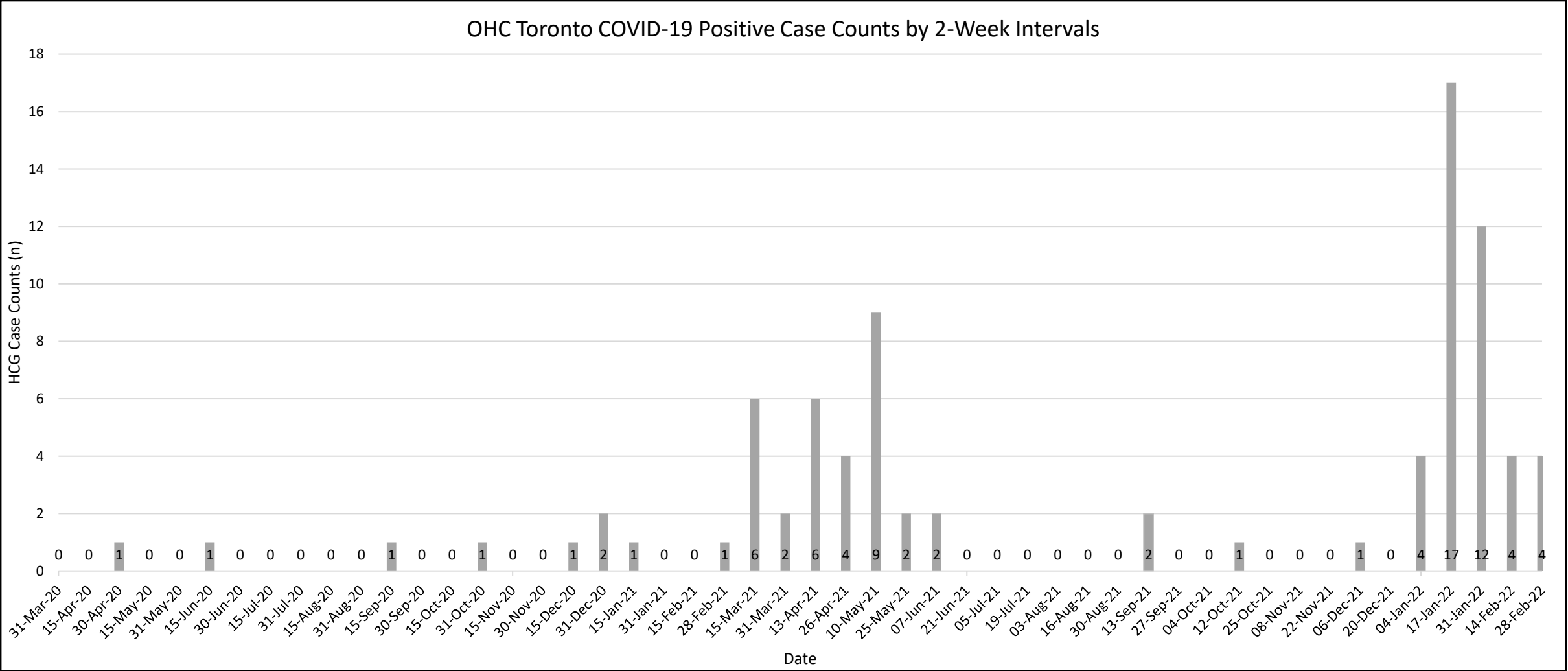
# INCIDENCE OF COVID-19 POSITIVE CASES

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 28, 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	449	56.51 [50.27, 62.75]	1,150,605	48.76	5,901,469	48.03
Not Tested	238	43.49 [37.25, 49.73]	1,209,246	51.24	6,385,943	51.97
Total	687		2,359,851		12,287,412	

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

# References

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