# 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 20, 2022

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**Community Leads:** Seventh Generation Midwives Toronto

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Table 1: Proportion of Indigenous adults who have received first, second and third doses of COVID-19 vaccination as of February 20, 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]	1,983,922	84.06	10,476,269	85.26
Second Dose	465	64.70 [58.59, 70.82]	1,943,106	82.33	10,262,764	83.52
Third Dose	260	39.13 [33.16, 45.10]	1,251,948	53.05	6,511,542	52.99
Total	687		2,360,095		12,288,041	

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

Figure 1: Proportion of Indigenous adults who have received <u>first dose</u> 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.

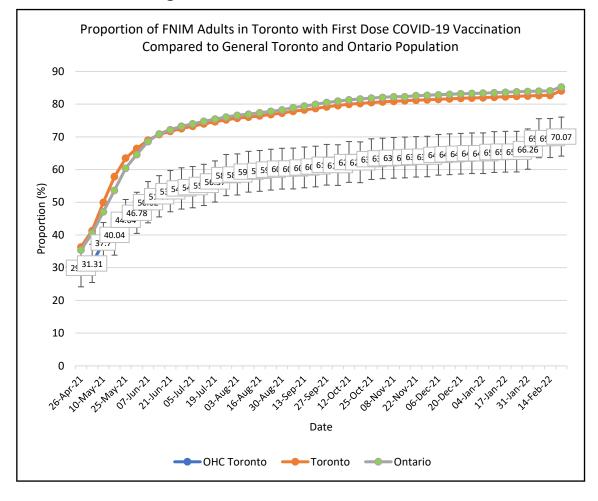


Figure 2: Proportion of Indigenous adults who have received <u>second</u> <u>dose</u> of COVID-19 vaccination over time in comparison to general Toronto and Ontario population. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data.

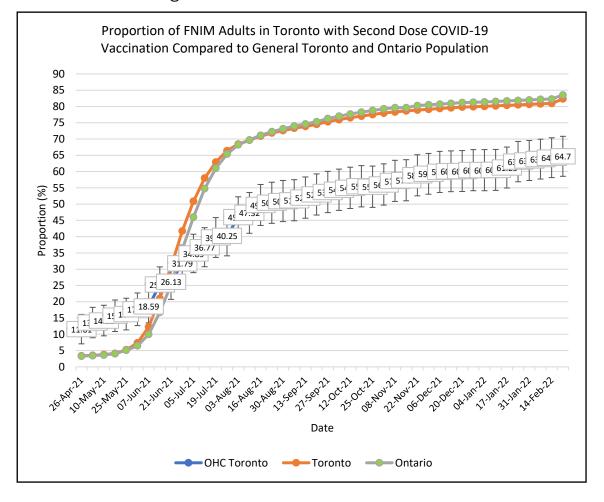
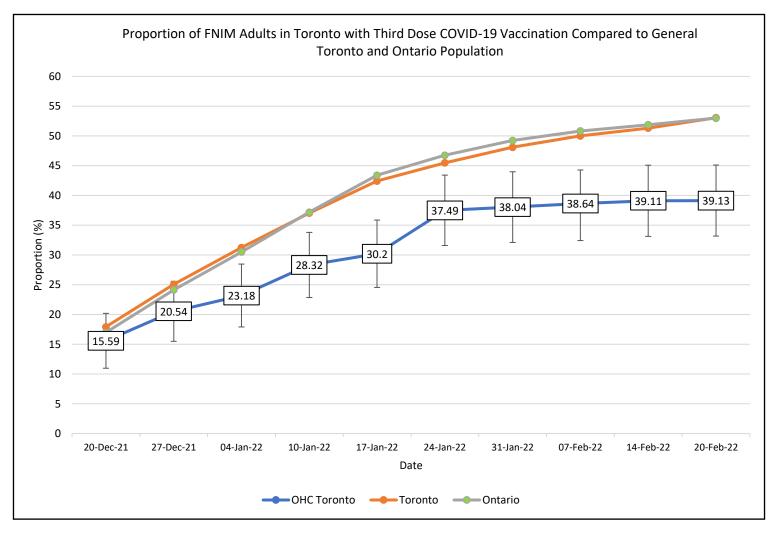


Figure 3: Proportion of Indigenous adults who have received <u>third dose</u> of COVID-19 vaccination over time in comparison to general Toronto and Ontario population. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data.



#### FIRST DOSE COVID-19 VACCINATIONS

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

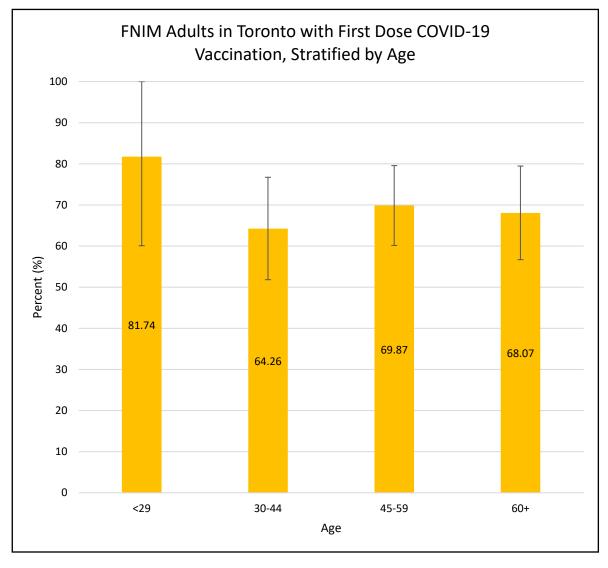
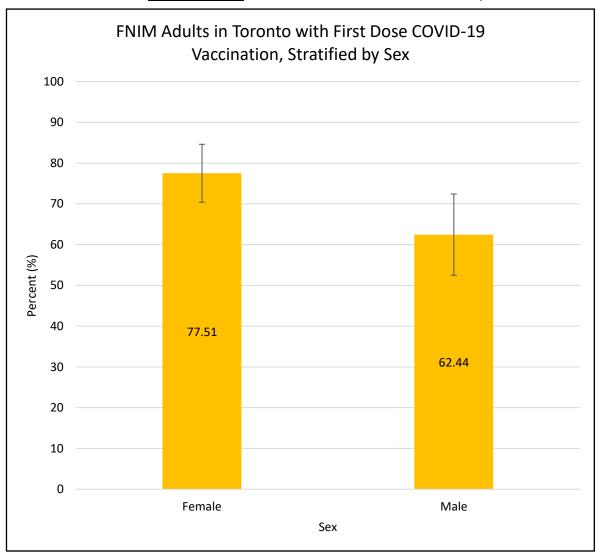


Figure 4: HCG Adjusted Proportion of Indigenous adults who have received <u>first dose</u> of COVID-19, stratified by sex



#### **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

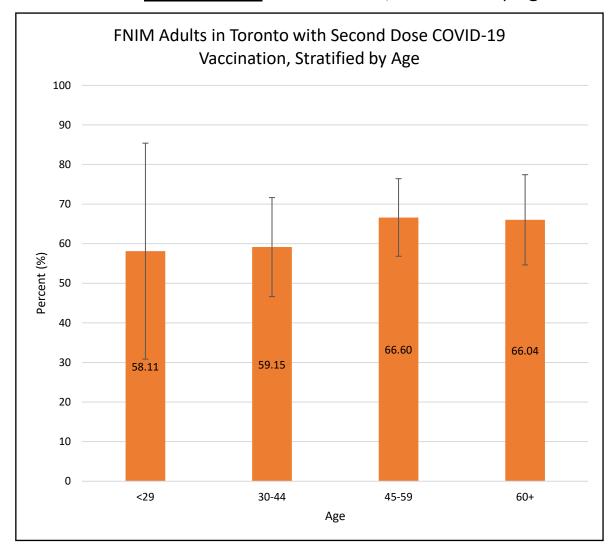
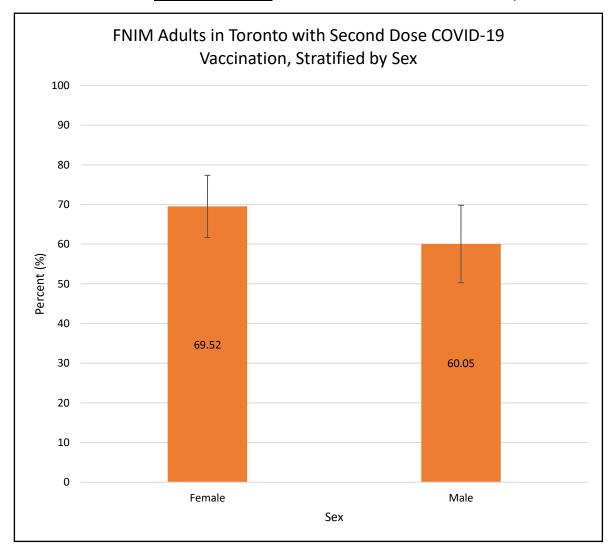


Figure 6: HCG Adjusted Proportion of Indigenous adults who have received <u>second dose</u> of COVID-19, stratified by sex



#### **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

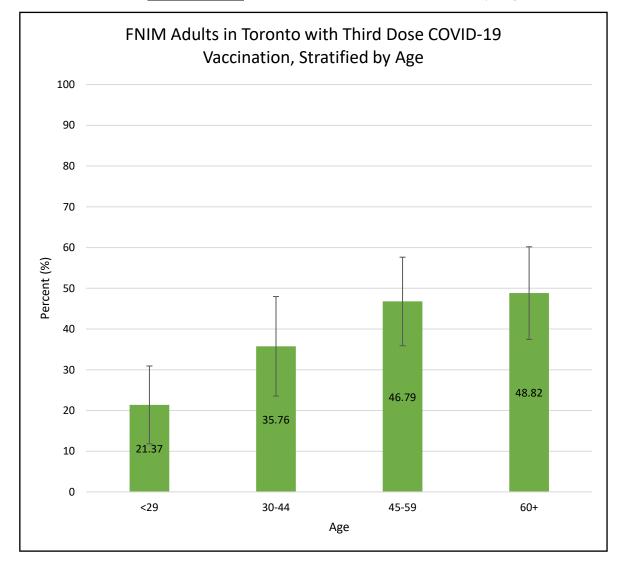


Figure 8: HCG Adjusted Proportion of Indigenous adults who have received **third dose** of COVID-19, stratified by sex

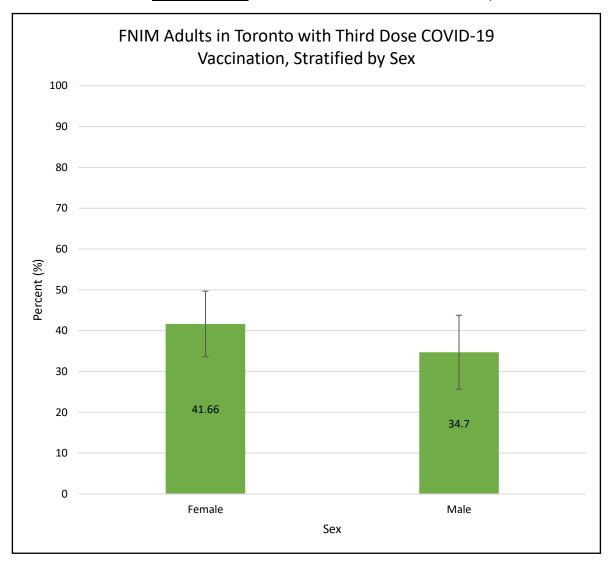


Table 2: Non-conservative 2021 Population Estimates for FNIM Adults in Toronto and Estimated Required Number of Vaccine Events to Fully Vaccination FNIM Adults in Toronto

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

<sup>\*</sup>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	39.13 [33.16, 45.10]	71,097	27,820	
Total			123,638	89,653

#### **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 20, 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.

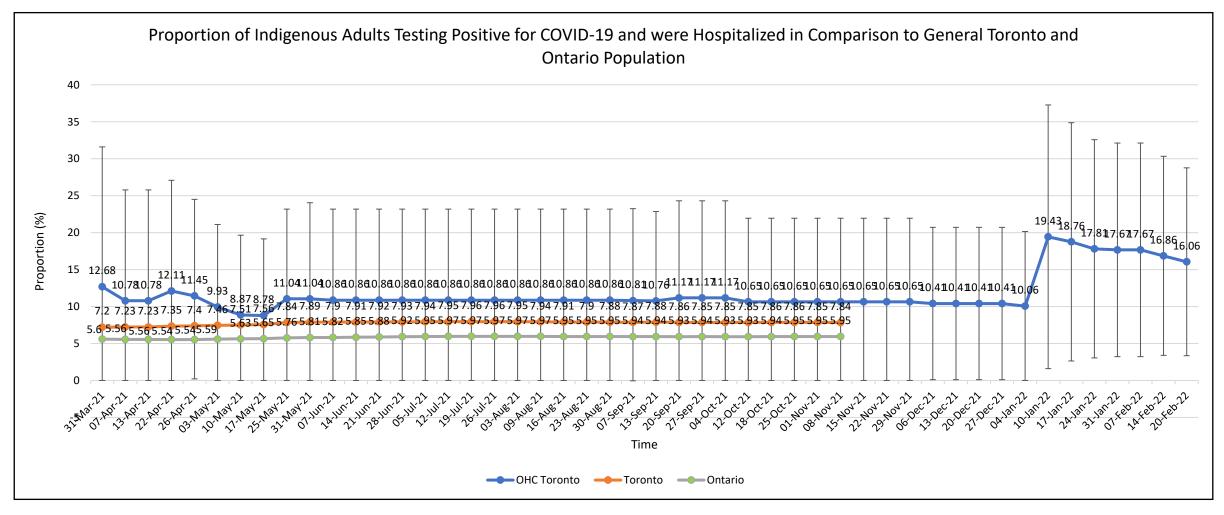
	FNIM Population in Toronto*		City of Toronto Population		Ontario Population	
	n	RDS-II Adjusted Proportion % [95% Confidence Interval]	n	Proportion %	n	Proportion %
Hospitalizations	-	16.06 [3.35, 28.78]	11,440	5.43	36,956	4.15
Total COVID-19 positive cases	85		210,802		889,667	

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

<sup>\*\*</sup>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**

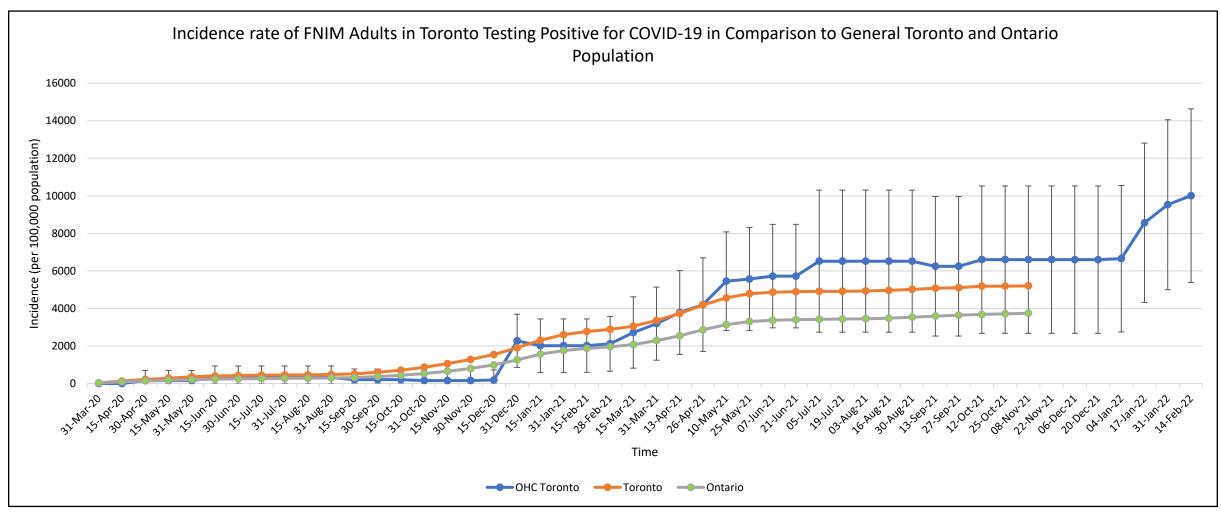
Table 5: Incidence rate of Indigenous adults testing positive for COVID-19 in comparison to general Toronto and Ontario population from January 2020 to February 20, 2022. Results from Our Health Counts Toronto data linkage to ICES COVID-19 data holdings.

	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]	210,802	8,931.93	889,667	7,240.10
Total	687		2,360,095		12,228,041	

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

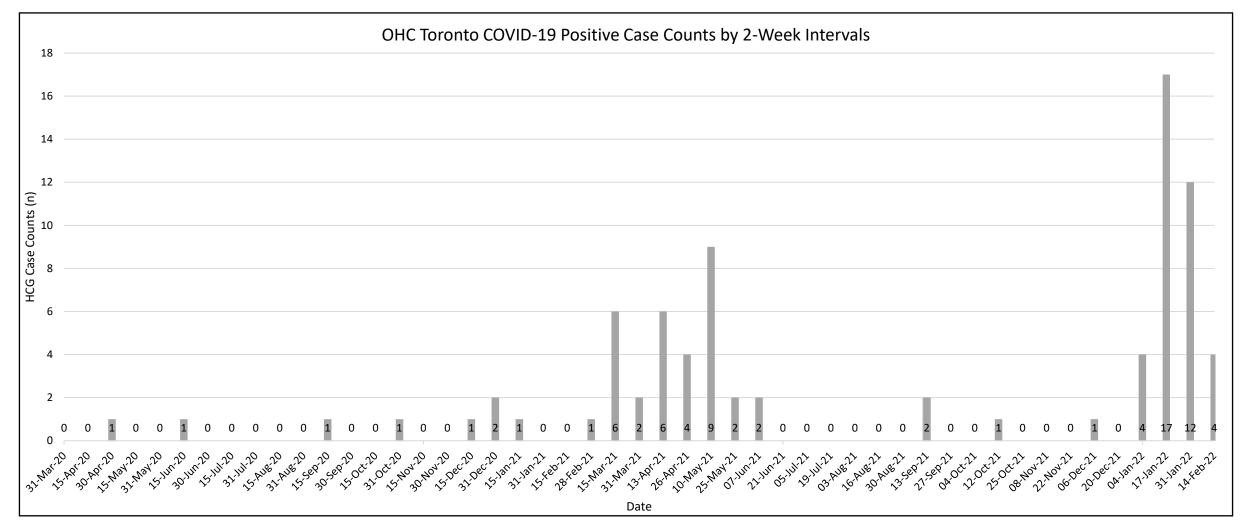
# **INCIDENCE OF COVID-19 POSITIVE CASES**

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 20, 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]	1,146,336	48.57	5,878,102	47.84
Not Tested	238	43.49 [37.25, 49.73]	1,213,759	51.43	6,409,939	52.16
Total	687		2,360,095		12,228,041	

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

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