

# Public Health Sudbury & Districts Coronavirus Disease 2019 (COVID-19) Epidemiology Update

These data are based on information available from Public Health Sudbury & Districts as of **6:00 PM June 03, 2020**, unless otherwise specified.

*\* Note: There may be a lag between the date a case is confirmed by the laboratory to Public Health and the date a case is publicly reported. This is due to the public health follow-up that is required before a case is publicly reported.*

## Highlights

As of the time of reporting, among residents of the Public Health Sudbury & Districts service area, there have been:

- **64 confirmed cases** of COVID-19
- **2 deaths**
  - The *case fatality rate* is 3.1%
    - Case Fatality Rate is calculated using the following formula: Total Deaths / Total Confirmed Cases
- **12,460 tests** for COVID-19 completed as of 5:00 PM June 02, 2020
  - The *testing rate* is 6,266 per 100,000 population
  - This total includes data from targeted surveillance initiatives in long-term care homes, emergency child care centres, and retirement homes.
  - The percent of tests that are positive is 0.6%
    - This is calculated using the following formula: Total Confirmed Cases / (Total Tests – Pending Tests)

Of the confirmed cases:

- 37 cases (57.8%) were female
- 24 cases (37.5%) were between the ages of 40 to 59
- 38 cases (59.4%) were cases with an unknown exposure, or their contacts
- 16 cases (25.0%) are related to outbreaks in 8 long-term care homes
  - 1 death is related to outbreaks in long-term care homes

# Epidemiology – Sudbury and Districts

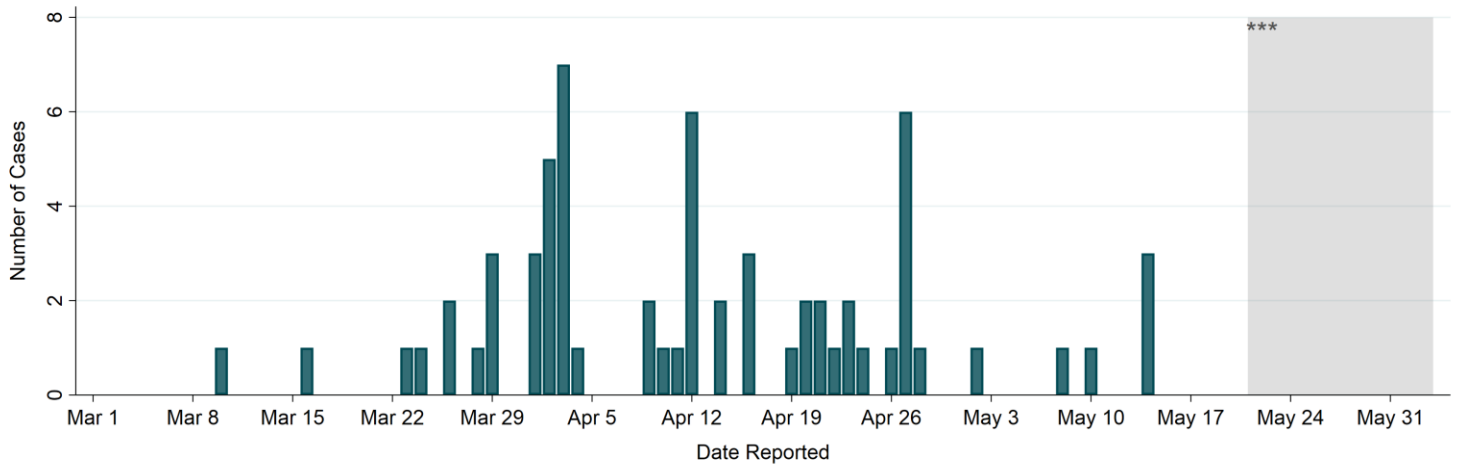
Total confirmed cases as of June 03, 2020 at 6:00 PM: **64 Cases**

## Cases over time

### Notes:

Coordinated targeted surveillance in long-term care homes and emergency child care centres began on Saturday, April 25. This targeted surveillance may account for recent increases in cases seen below. Also, the Integrated Public Health Information Systems (iPHIS) protocols for assigning Onset Date uses the date of testing in absence of other reliable information, which can account for increased numbers since that time.

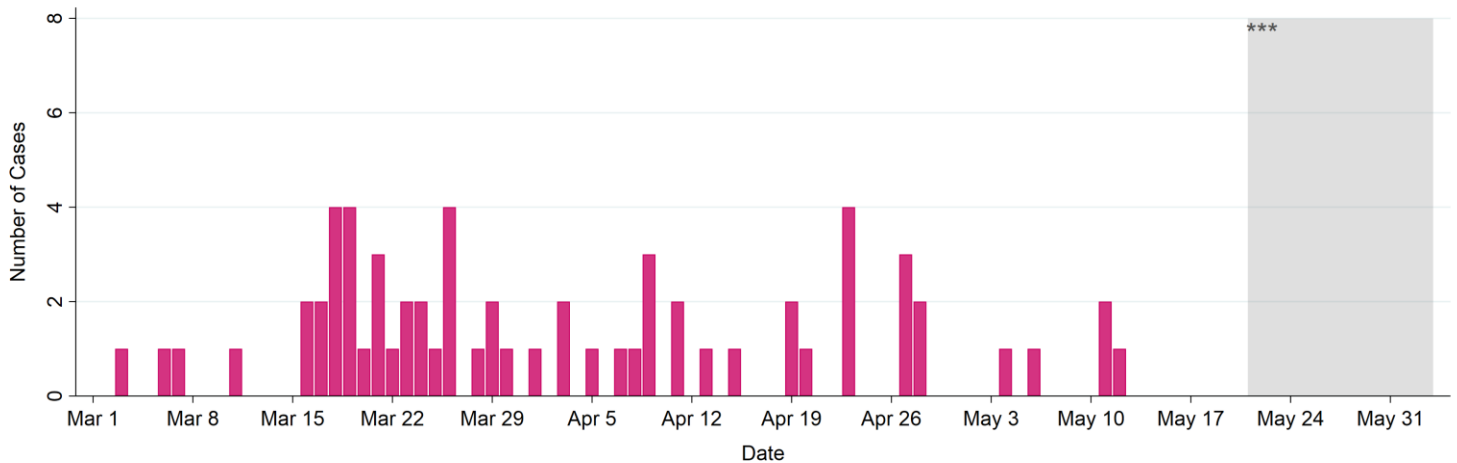
**FIGURE 1. Confirmed cases, by date of reporting, Sudbury and districts**



Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: June 03, 2020)

\*\*\* Illnesses occurring during this period may not yet be reported

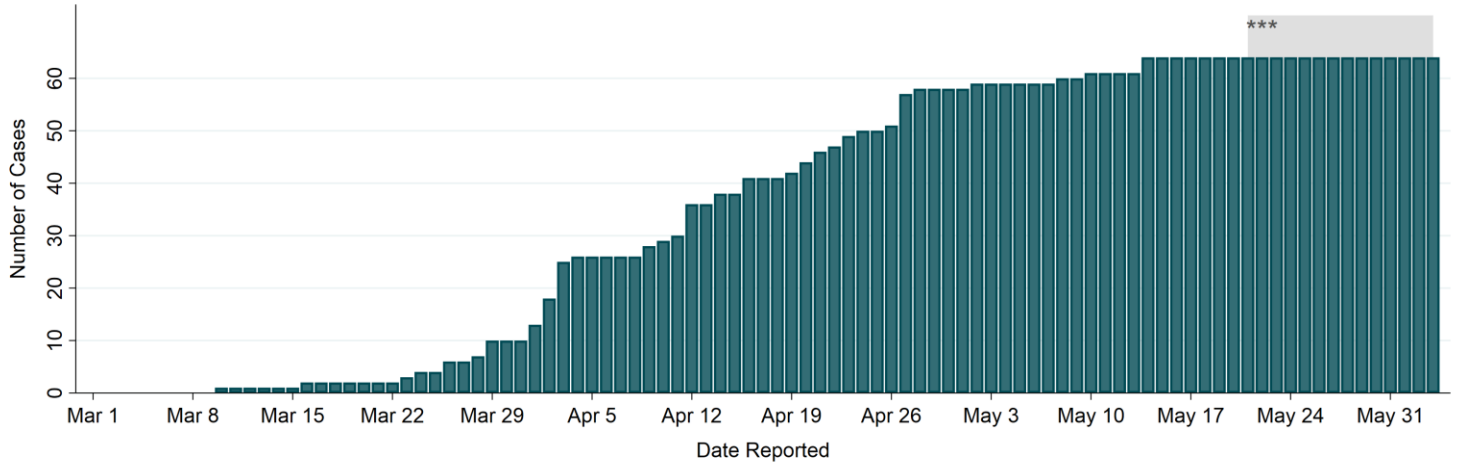
**FIGURE 2. Confirmed cases, by date of symptom onset, Sudbury and districts**



Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: June 03, 2020)

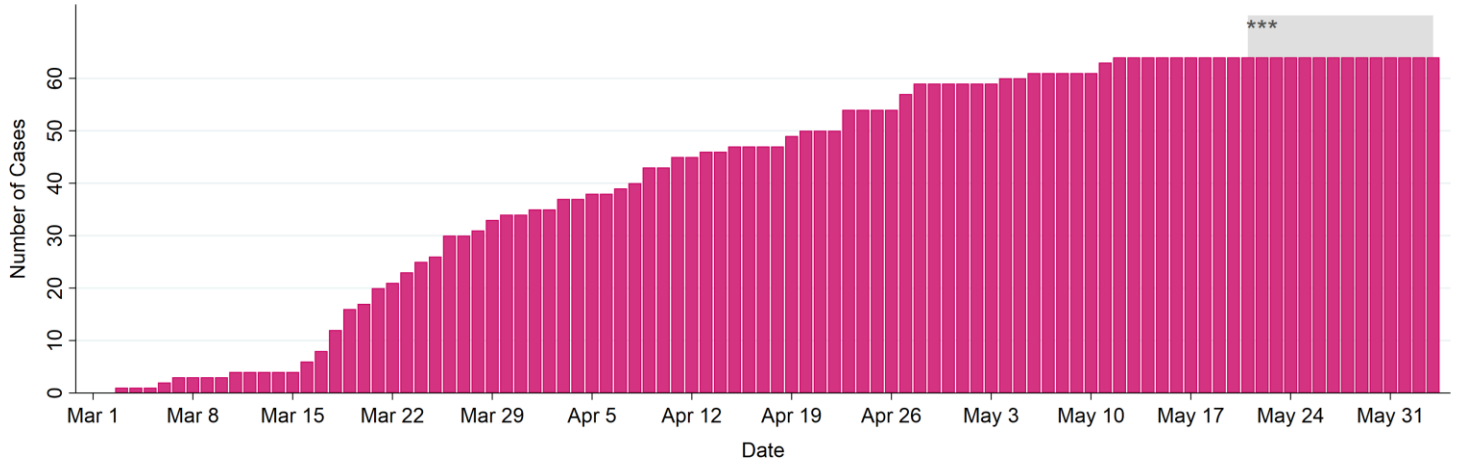
\*\*\* Illnesses occurring during this period may not yet be reported

**FIGURE 3. Cumulative confirmed cases, by date of reporting, Sudbury and districts**



Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: June 03, 2020)  
 \*\*\* Illnesses occurring during this period may not yet be reported

**FIGURE 4. Cumulative confirmed cases, by date of symptom onset, Sudbury and districts**



Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: June 03, 2020)  
 \*\*\* Illnesses occurring during this period may not yet be reported

## Case Characteristics

**TABLE 1. Number and Percentage of Confirmed Cases, by Various Characteristics**

Characteristic	Number	Percentage (%)
Numbers of Cases	64	100%
Change from previous report	0	0.0%*
Gender: Male	23	35.9%
Gender: Female	37	57.8%
Gender: Not specified	4	6.3%
Ages: 19 and under	4	6.3%
Ages: 20-39	17	26.6%
Ages: 40-59	24	37.5%
Ages: 60-79	17	26.6%
Ages: 80 and over	2	3.1%
Area: Greater Sudbury	58	90.6%
Area: Manitoulin District	4	6.3%
Area: Sudbury District	2	3.1%

Data source: Public Health Sudbury & Districts

\*Percent change represents the degree of change over time, calculated: (New-Original)/Original

## Case Outcome

**TABLE 2. Case fatality, by geographic area**

Geographic Area	Deaths	Case Fatality Rate (CFR)
Sudbury and districts	2	3.1%
Ontario	2,312	8.0%

Data Source: Public Health Sudbury & Districts

**TABLE 3. Resolved cases, by geographic area**

Geographic Area	Resolved Cases	Percentage
Sudbury and districts	64	100.0%
Ontario	25,123	86.5%

Data Source: Public Health Sudbury & Districts

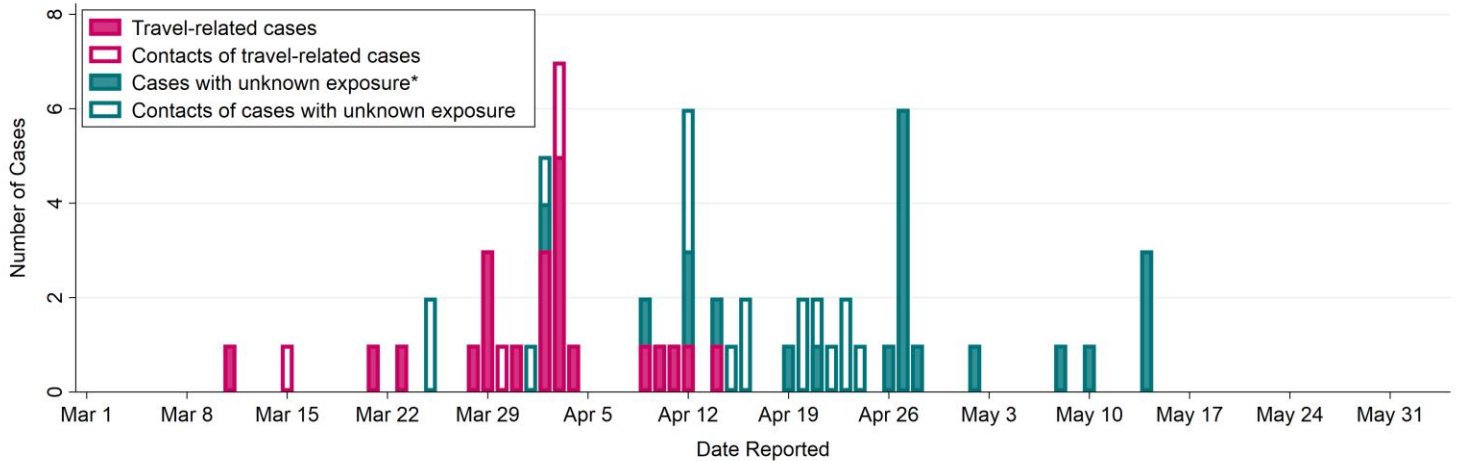
# Probable Exposure

**TABLE 4. Confirmed Cases, by Probable Exposure, Sudbury and districts**

Exposure	Number	Percentage (%)
Travel-related	22	34.4%
Contact of a travel-related case	4	6.3%
No travel and no contact with a known case (unknown exposure)	21	32.8%
Contact of a case with unknown exposure	17	26.6%
Pending/undetermined	0	0.0%

Data Source: Public Health Sudbury & Districts

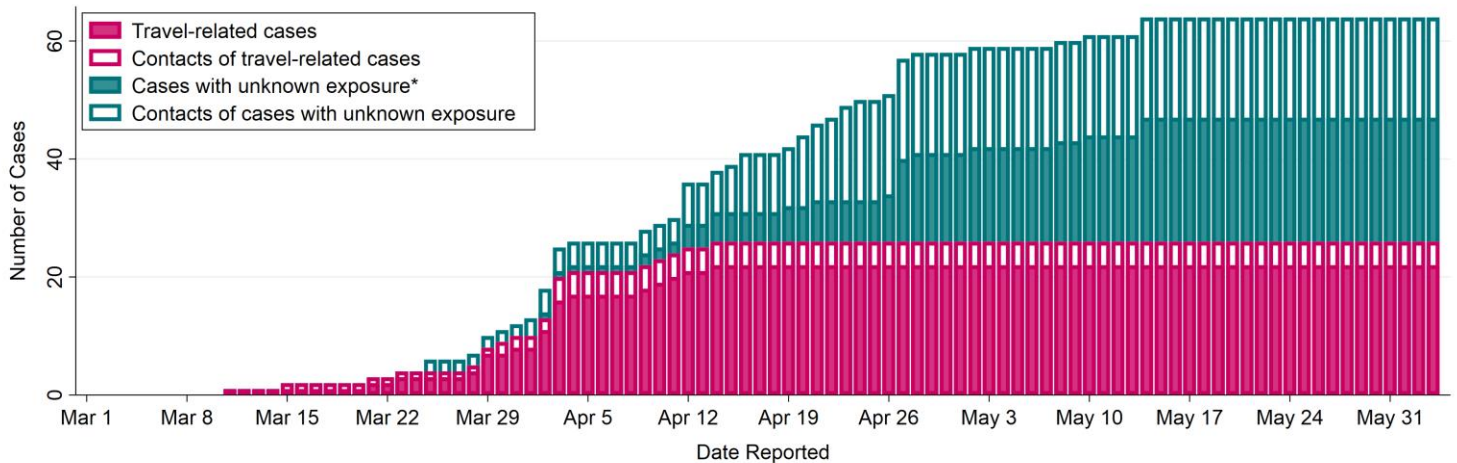
**FIGURE 5. Confirmed Cases, by date of reporting and probable exposure, Sudbury and districts**



Data source: Public Health Sudbury & Districts

\*Cases with unknown exposure are defined as *No history of travel and no contact with a known case (unknown exposure)* in Table 4, above

**FIGURE 6. Cumulative confirmed Cases, by date of reporting and probable exposure, Sudbury and districts**



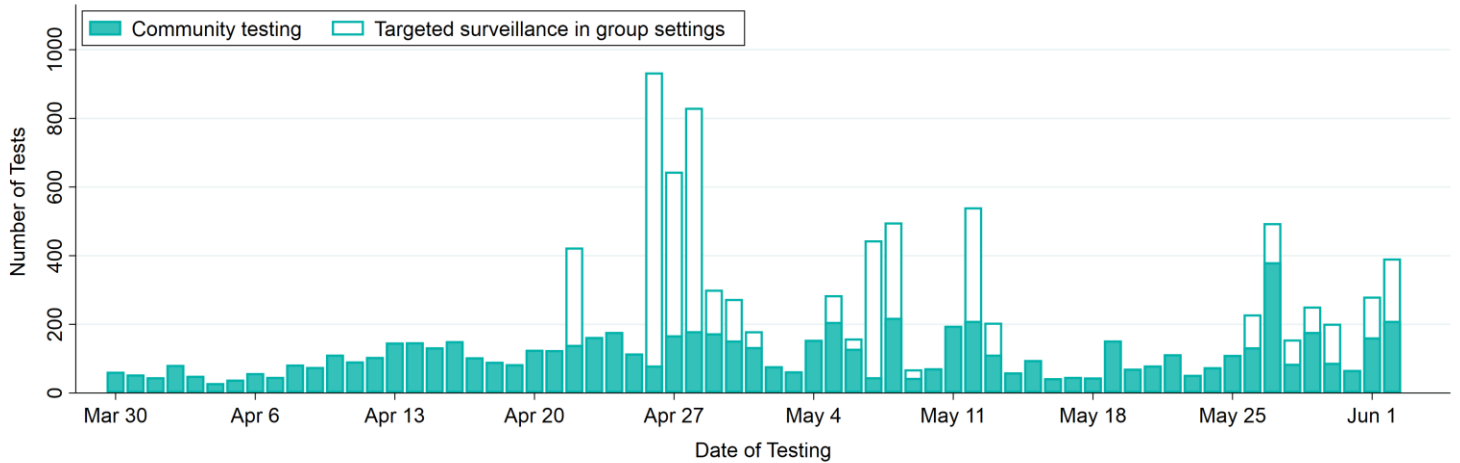
Data source: Public Health Sudbury & Districts

\*Cases with unknown exposure are defined as *No history of travel and no contact with a known case (unknown exposure)* in Table 4, above

# Testing

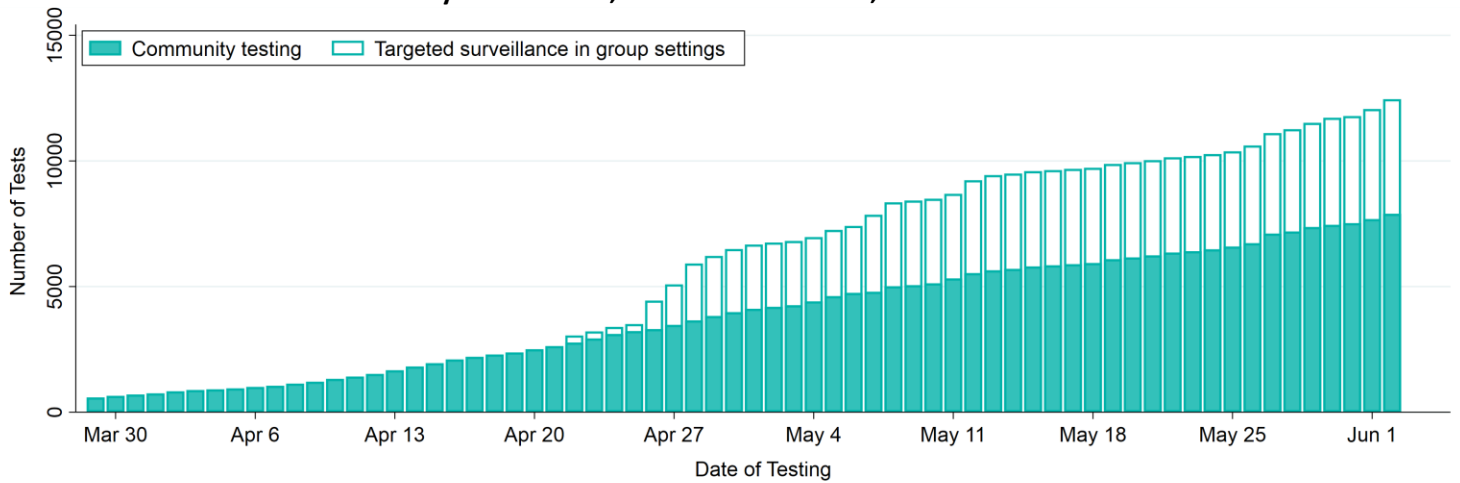
Total number of tests for COVID-19 as of June 02, 2020 at 6:00 PM: **12,460 tests**. This total, and the graphs below, now include tests undertaken as part of ongoing targeted surveillance initiatives in long-term care homes, emergency child care centres, and retirement homes.

**FIGURE 7. Tests in Sudbury and districts, March 30 to June 02, 2020**



Data source: Public Health Sudbury & Districts

**FIGURE 8. Cumulative tests in Sudbury and districts, March 30 to June 02, 2020**



Data source: Public Health Sudbury & Districts

**TABLE 5. Tests in Sudbury and districts, by population tested (as of June 02, 2020)**

Population Tested	Total Tested	% of Eligible Population Tested
General Public	7,790	N/A
Long Term Care - Residents	1,632	98.8%
Long Term Care - Staff	2,115	99.7%
Emergency Child Care Centres - Staff	47	100.0%
Retirement Homes - Residents	669	Not yet available
Retirement Homes - Staff	207	Not yet available
<b>TOTAL</b>	<b>12,460</b>	<b>N/A</b>

Data Source: Public Health Sudbury & Districts

## Outbreaks in Facilities

Ontario Ministry of Health direction requires a COVID-19 outbreak be declared in a Long-Term Care home with a single laboratory-confirmed case in a resident or staff member.

- In total there have been **8** COVID-19 outbreaks in area facilities; all outbreaks have been in long-term care homes. A total of **16** cases (6 resident cases and 10 staff cases), and **1** death are associated with these outbreaks.
- All outbreaks have now been declared over.

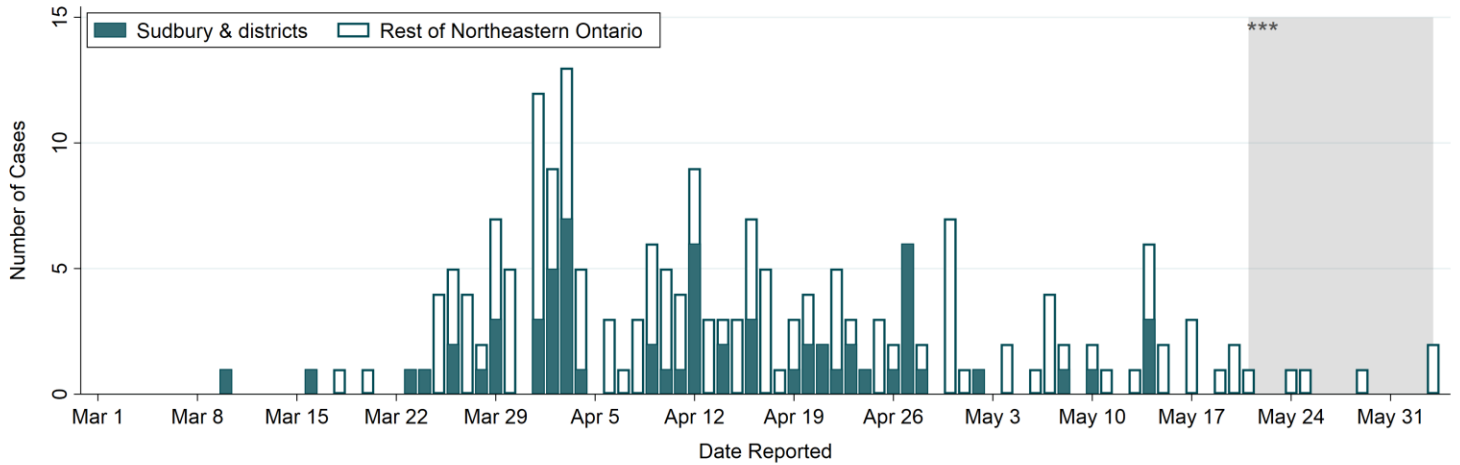
**TABLE 6. Summary of active outbreaks in facilities, Sudbury and districts**

There are currently no active COVID-19 outbreaks in area facilities.
--

Data Source: Public Health Sudbury & Districts

# Regional Context

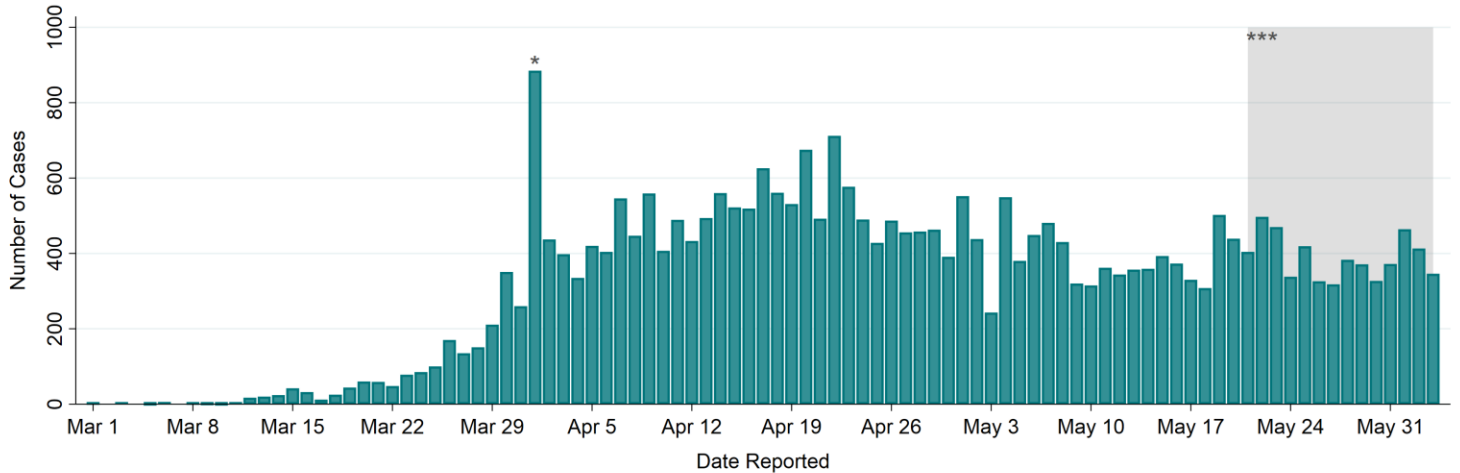
**FIGURE 9. Confirmed cases, by date of reporting, Sudbury and districts and Northeastern Ontario**



Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: June 03, 2020)

\*\*\* Illnesses occurring during this period may not yet be reported

**FIGURE 10. Confirmed cases, by date of reporting, Ontario**



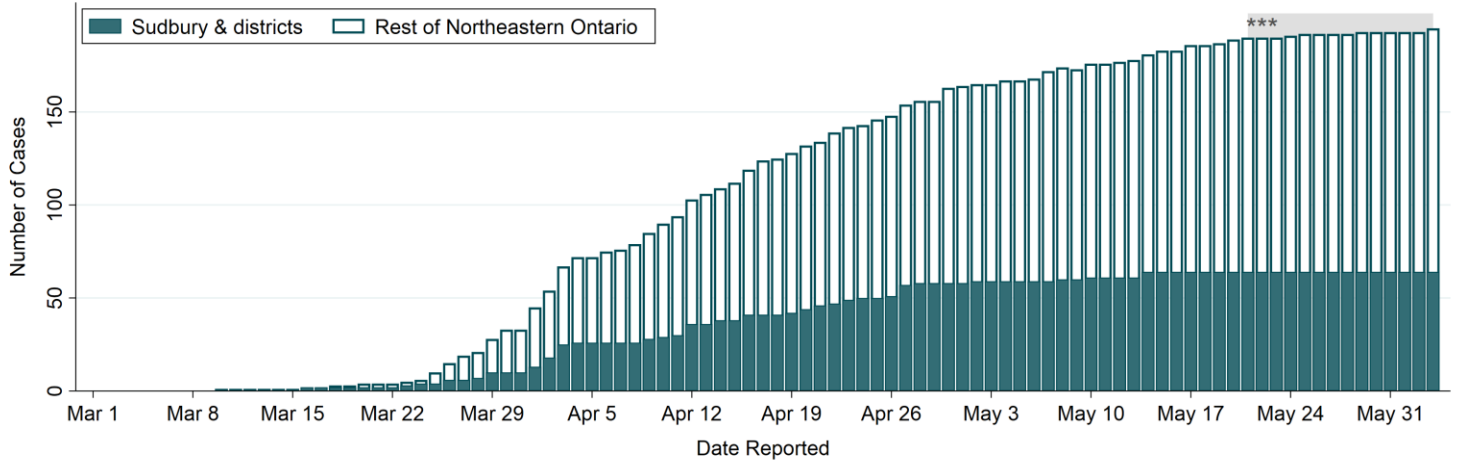
Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: June 03, 2020)

\* The large number of cases reported on this day is due to a methodology change in the data source.

\*\*\* Illnesses occurring during this period may not yet be reported



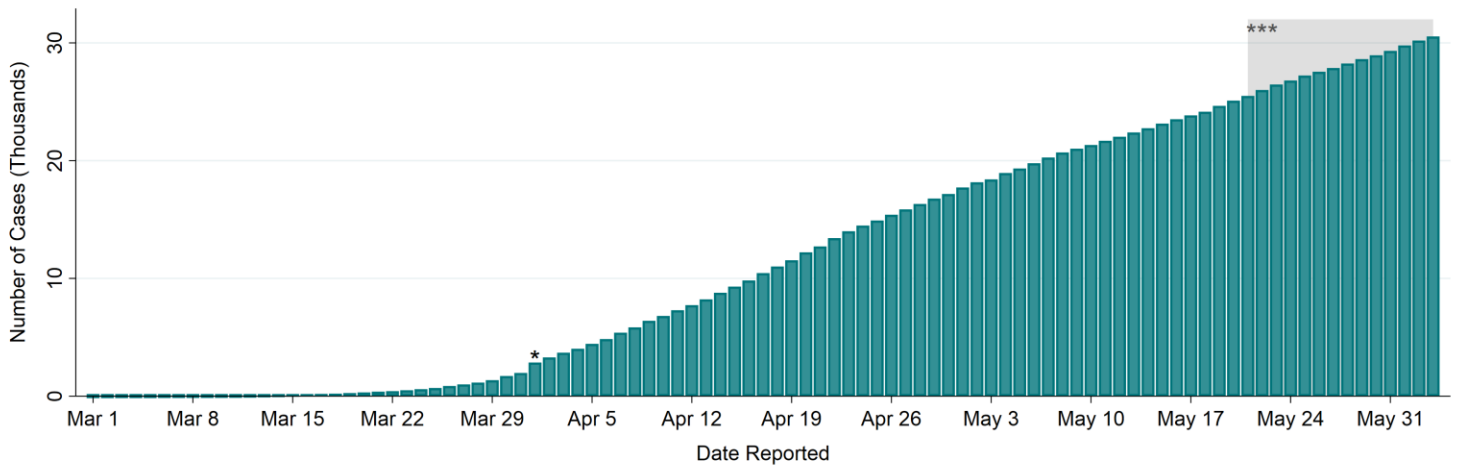
**FIGURE 11. Cumulative confirmed cases, by date of reporting, Sudbury and districts and Northeastern Ontario**



Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: June 03, 2020)

\*\*\* Illnesses occurring during this period may not yet be reported

**FIGURE 12. Cumulative confirmed cases, by date of reporting, Ontario**



Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: June 03, 2020)

\* The large number of cases reported on this day is due to a methodology change in the data source.

\*\*\* Illnesses occurring during this period may not yet be reported

**TABLE 7. Regional COVID-19 summary**

Geographic Area	Confirmed Cases	Incidence per 100,000*	Deceased	Case Fatality Rate	Resolved	Resolved Rate	Prevalence per 100,000**	Tests per 100,000	% Positive tests	Data Availability***
Canada	92,748	246.7	7,414	8.0%	58,098	62.6%	92.2	4,660 †	5.3% †	June 3
Ontario	29,047	198.1	2,312	8.0%	25,123	86.5%	26.8	5,222	3.9%	June 3
Northern Ontario	302	37.9	11	3.6%	294	97.4%	1.0	6,283	0.6%	June 3
Northeastern Ontario	197	35.2	10	5.1%	193	98.0%	0.7	6,238	0.6%	June 3
Public Health Sudbury & Districts	64	32.2	2	3.1%	64	100.0%	0.0	6,266	0.6%	June 3

Data source: Statistics Canada, Government of Canada COVID-19 Update, Ontario MOH COVID-19 Update, integrated Public Health Information System (iPHIS) database, Northwestern Health Unit, Thunder Bay District Health Unit, Algoma Public Health, North Bay Parry Sound District Health Unit, Public Health Sudbury & Districts, Porcupine Health Unit, Timiskaming Health Unit.

\* Incidence is the number of new cases that have occurred since the beginning of the pandemic

\*\* Prevalence is the number of unresolved cases there currently are in the population

\*\*\* This report is based on the most currently available information at date and time of production. Public Health Sudbury & Districts may update this table after the 4 PM deadline for Northern health unit reporting to Ontario Health – North.

† The Public Health Agency of Canada reports the number (and rate) of people tested, rather than the number of tests conducted. The numbers presented here for Tests per 100,000 and % Positive Tests reflect are based on those data.