

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 July 04, 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:

- **67 confirmed cases** of COVID-19
- **2 deaths**
 - The *case fatality rate* is 3.0%
 - Case Fatality Rate is calculated using the following formula: Total Deaths / Total Confirmed Cases
- **17,101 tests** for COVID-19 completed as of 5:00 PM July 02, 2020
 - The *testing rate* is 8,600 per 100,000 population
 - This total includes data from targeted surveillance initiatives in long-term care homes, emergency child care centres, and retirement homes coordinated by Public Health Sudbury & Districts between April 25 and June 5, 2020.
 - The percent of tests that are positive is 0.4%
 - This is calculated using the following formula: Total Confirmed Cases / Total Tests. Prior to June 8, 2020, tests for which results had not yet been received were removed from this calculation.

Of the confirmed cases:

- 38 cases (56.7%) were female
- 24 cases (35.8%) were between the ages of 40 to 59
- 41 cases (61.2%) were cases with an unknown exposure, or their contacts
- 16 cases (23.9%) related to outbreaks in 8 long-term care homes
 - 1 death is related to outbreaks in long-term care homes

Epidemiology – Sudbury and Districts

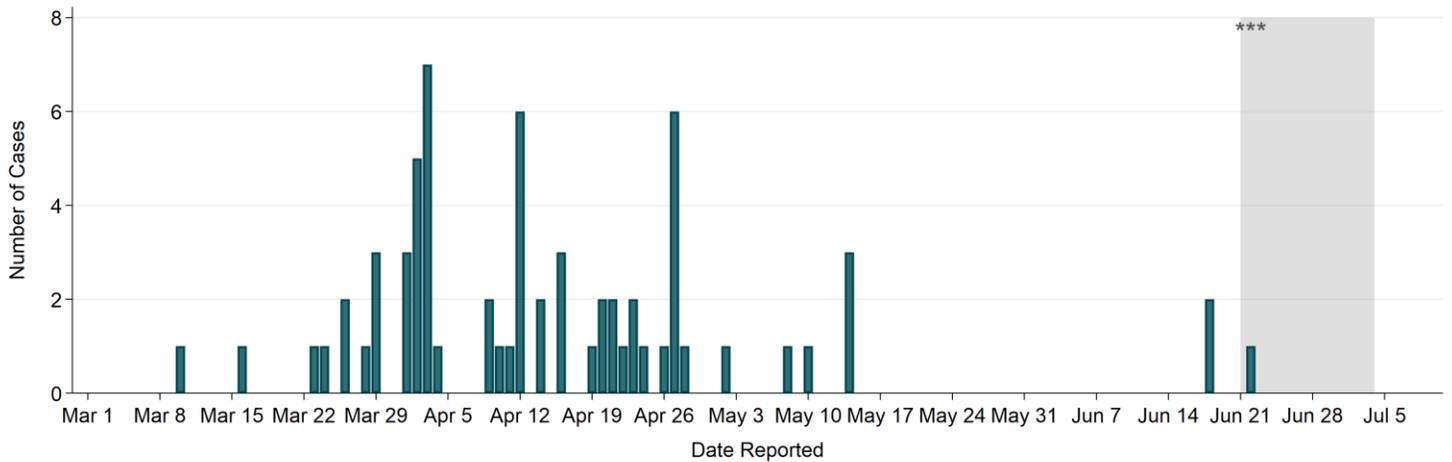
Total confirmed cases as of July 04, 2020 at 6:00 PM: **67 Cases**

Cases over time

Notes:

Public Health Sudbury & Districts coordinated targeted surveillance in long-term care homes and emergency child care centres between April 25 and June 5, 2020.

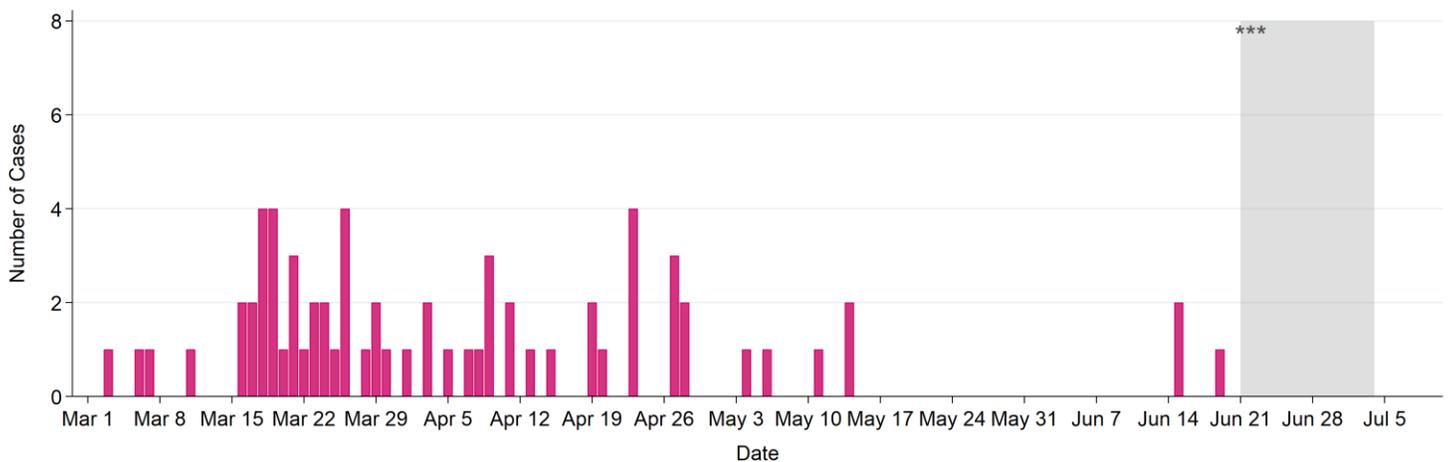
FIGURE 1. Confirmed cases, by date of reporting, Sudbury and districts



Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: July 04, 2020)

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

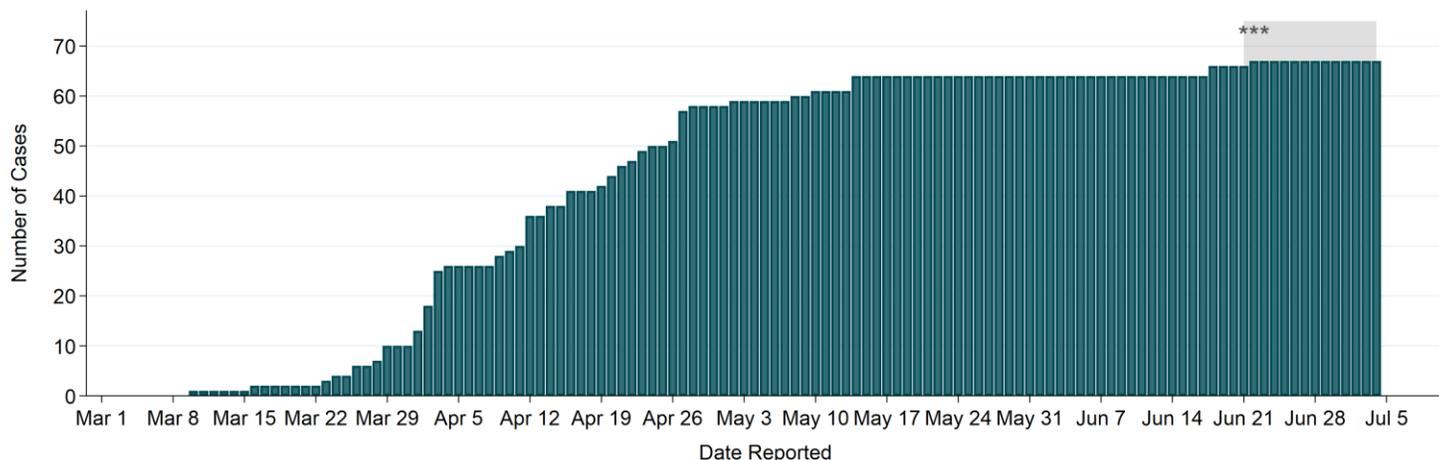
FIGURE 2. Confirmed cases, by date of symptom onset, Sudbury and districts



Data Source: Integrated Public Health Information System (iPHIS), Ministry of Health. (Access Date: July 04, 2020)

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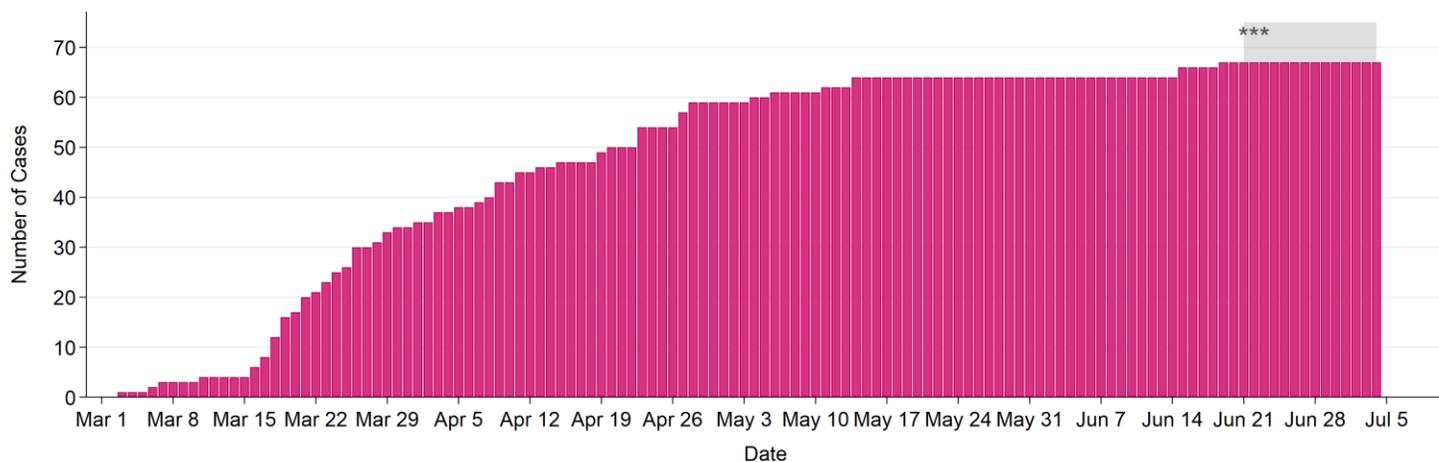
FIGURE 3. Cumulative confirmed cases, by date of reporting, Sudbury and districts



Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: July 04, 2020)

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



Data Source: Integrated Public Health Information System (iPHIS), Ministry of Health. (Access Date: July 04, 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	67	100%
Change from previous report	0	0.0%*
Gender: Male	25	37.3%
Gender: Female	38	56.7%
Gender: Not specified	4	6.0%
Ages: 19 and under	4	6.0%
Ages: 20-39	19	28.4%
Ages: 40-59	24	35.8%
Ages: 60-79	18	26.9%
Ages: 80 and over	2	3.0%
Area: Greater Sudbury	61	91.0%
Area: Manitoulin District	4	6.0%
Area: Sudbury District	2	3.0%

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	3.0%
Ontario	2,682	7.5%

Data Source: Public Health Sudbury & Districts

TABLE 3. Resolved cases, by geographic area

Geographic Area	Resolved Cases	Percentage
Sudbury and districts	67	100.0%
Ontario	33,591	94.5%

Data Source: Public Health Sudbury & Districts

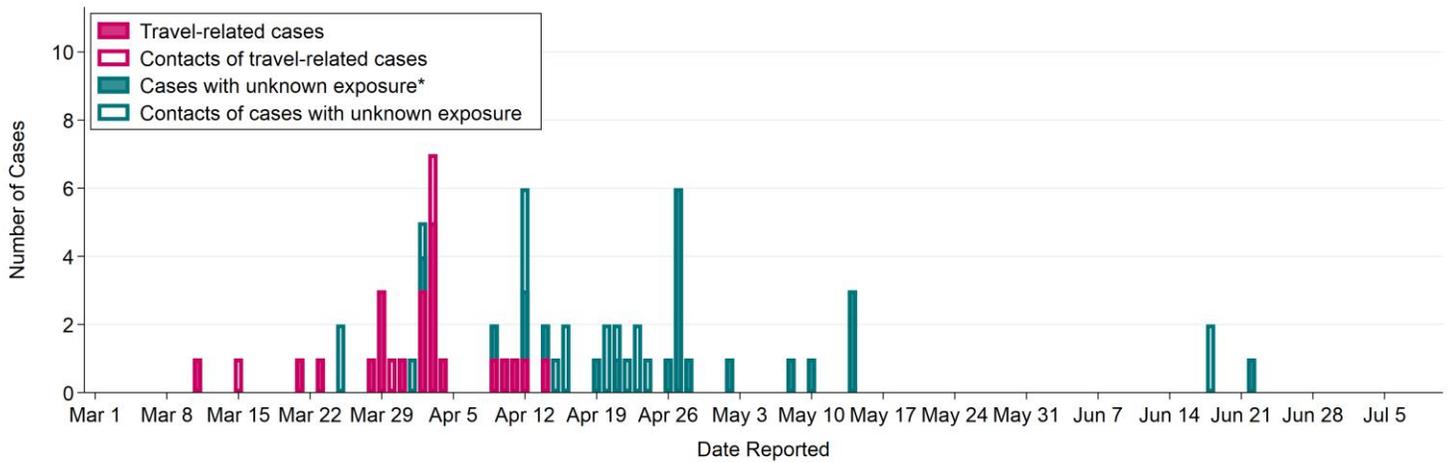
Probable Exposure

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

Exposure	Number	Percentage (%)
Travel-related	22	32.8%
Contact of a travel-related case	4	6.0%
No travel and no contact with a known case (unknown exposure)	22	32.8%
Contact of a case with unknown exposure	19	28.4%
Pending/undetermined	0	0.0%

Data Source: Public Health Sudbury & Districts

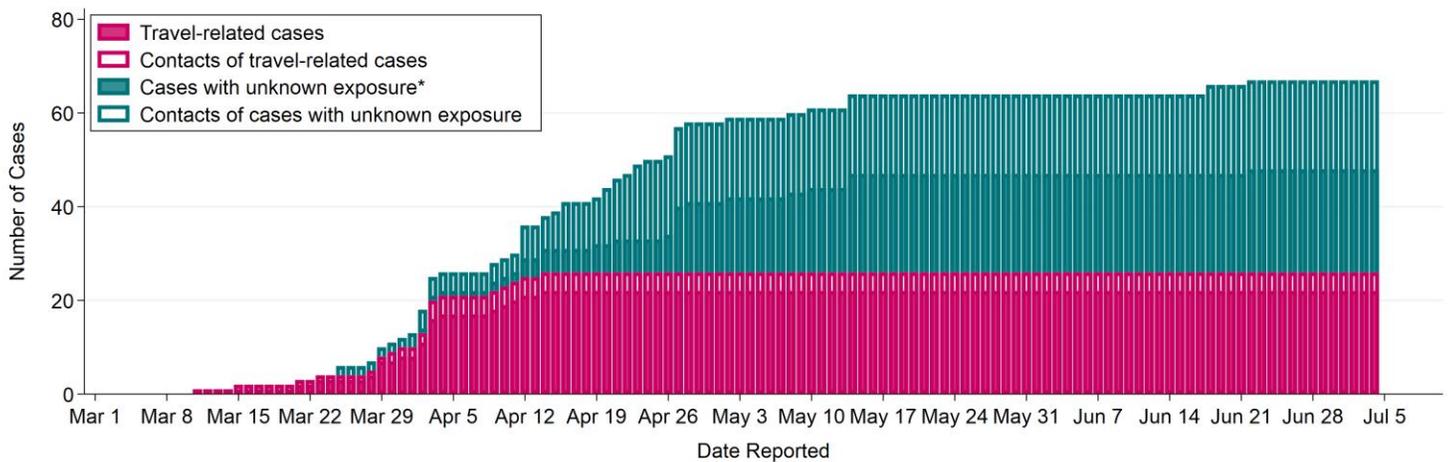
FIGURE 5. Confirmed Cases, by date of reporting and probable exposure, Sudbury and districts



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



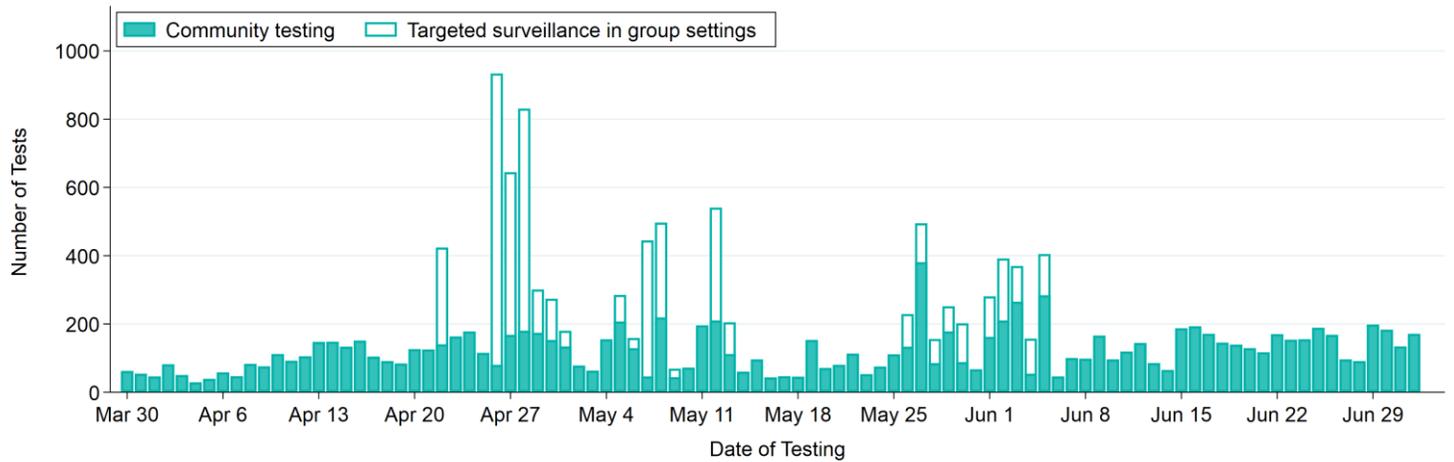
Data source: Public Health Sudbury & Districts

*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

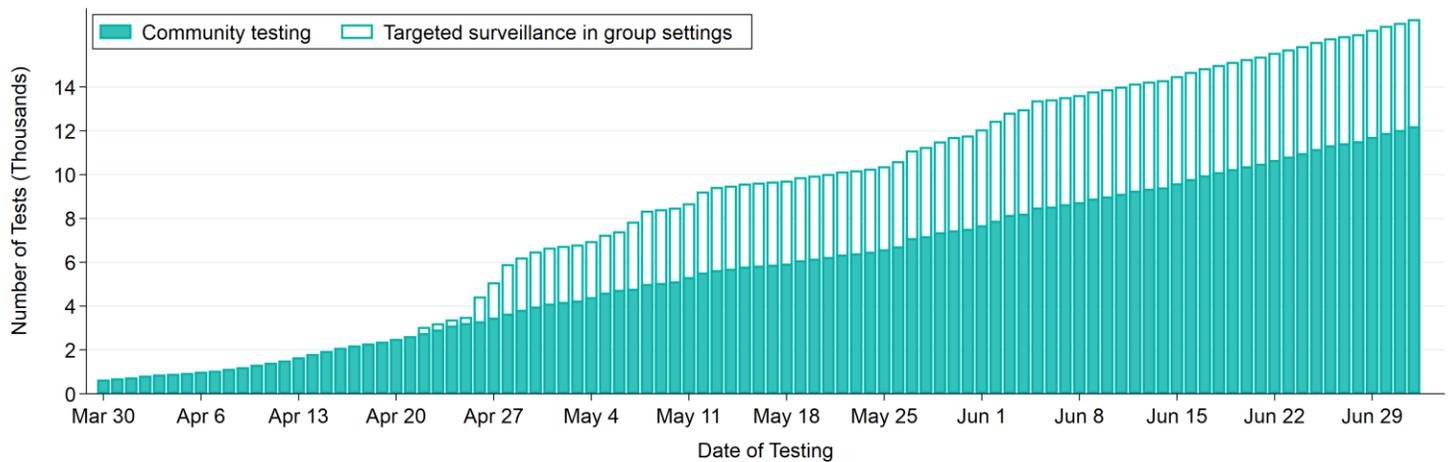
Total number of tests for COVID-19 as of July 02, 2020 at 6:00 PM: **17,101 tests**. This total, and the graphs below, include tests undertaken as part of ongoing targeted surveillance initiatives in long-term care homes, emergency child care centres, and retirement homes coordinated by Public Health Sudbury & Districts between April 25 and June 5, 2020.

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



Data source: Public Health Sudbury & Districts

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



Data source: Public Health Sudbury & Districts

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

Population Tested	Total Tested	% of Eligible Population Tested
General Public	12,188	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	829	97.9%
Retirement Homes - Staff	290	99.7%
TOTAL	17,101	N/A

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 is associated with these outbreaks.
- All outbreaks have now been declared over.

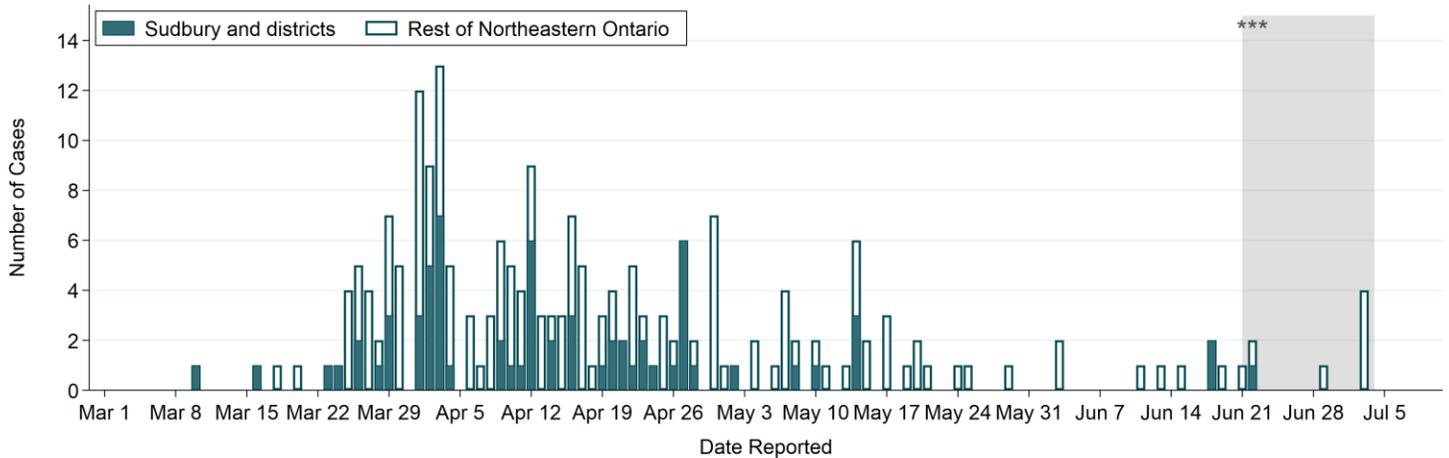
TABLE 6. Summary of active outbreaks in facilities, Sudbury and districts

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

Data Source: Public Health Sudbury & Districts

Regional Context

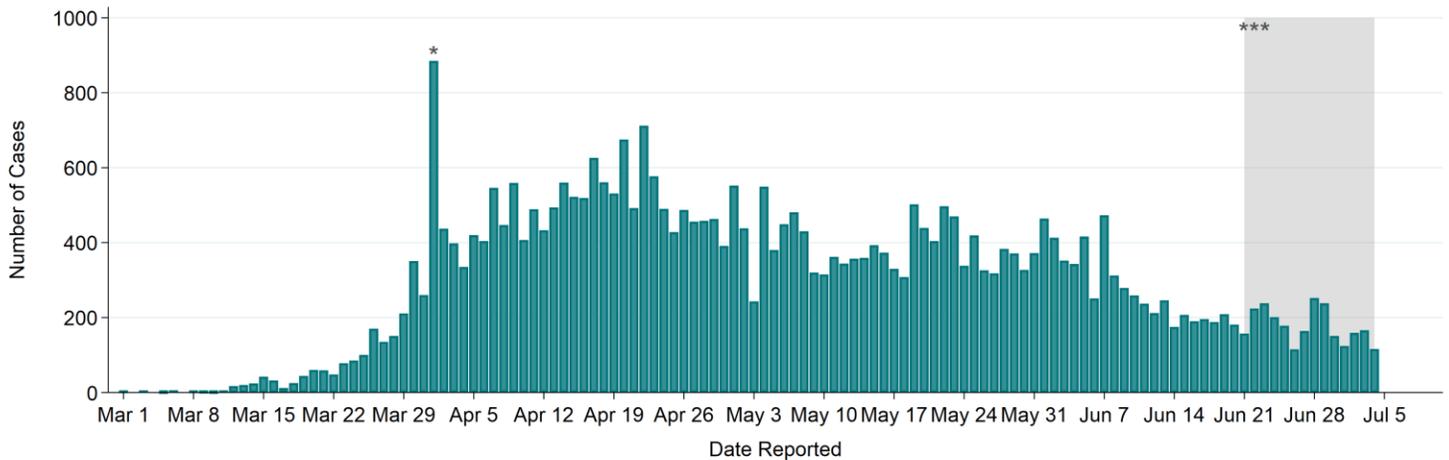
FIGURE 9. Confirmed cases, by date of reporting, Sudbury and districts and Northeastern Ontario



Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: July 04, 2020)

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

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

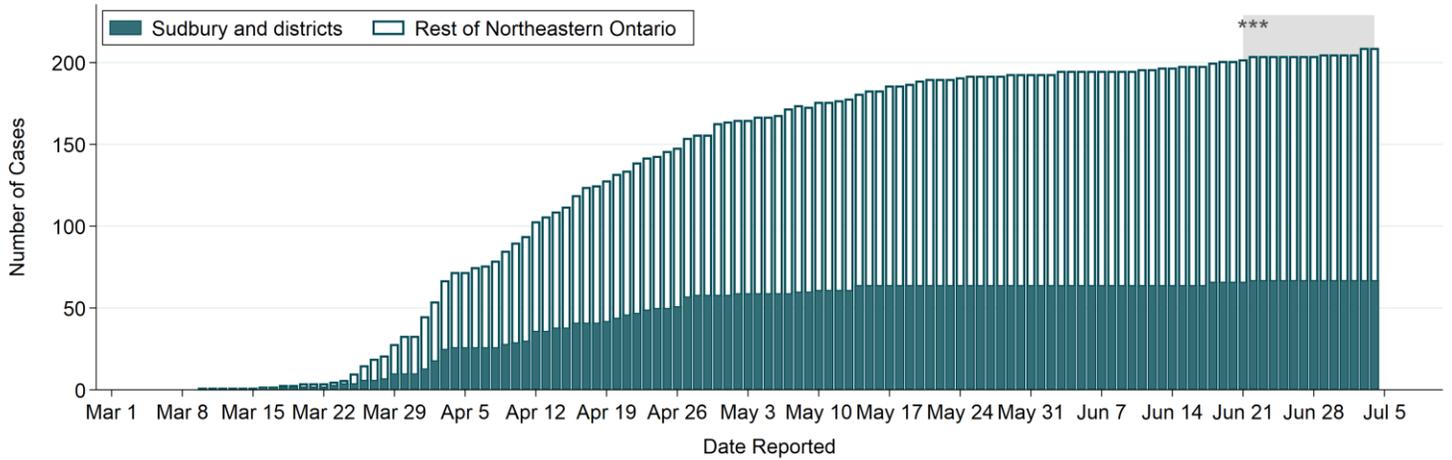


Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: July 04, 2020)

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

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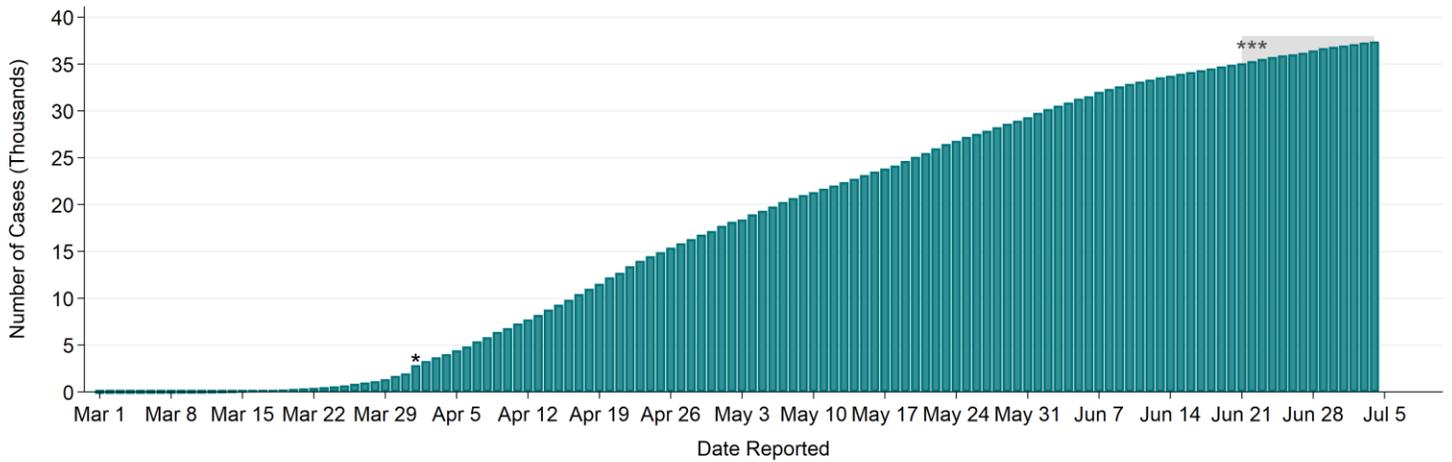
FIGURE 11. Cumulative confirmed cases, by date of reporting, Sudbury and districts and Northeastern Ontario



Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: July 04, 2020)

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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: July 04, 2020)

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

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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	105,091	279.6	8,663	8.2%	77,356	73.6%	73.8	7,677 ‡	3.6% ‡	July 3
Ontario	35,535	242.4	2,682	7.5%	33,591	94.5%	13.3	10,108	2.4%	July 3
Northern Ontario	342	42.9	12	3.5%	324	94.7%	2.3	11,091	0.4%	July 3
Northeastern Ontario	211	37.7	11	5.2%	205	97.2%	1.1	10,365	0.4%	July 3
Public Health Sudbury & Districts	67	33.7	2	3.0%	67	100.0%	0.0	8,600†	0.4%	July 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 is calculated using the following formula: Total Confirmed Cases / Total Tests. Prior to June 8, 2020, tests for which results had not yet been received were removed from this calculation.

† 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. Testing numbers for Public Health Sudbury & Districts are for July 2.

‡ 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.