

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 23, 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:

- **69 confirmed cases** of COVID-19
- **2 deaths**
 - The *case fatality rate* is 2.9%
 - Case Fatality Rate is calculated using the following formula: Total Deaths / Total Confirmed Cases
- **20,906 tests** for COVID-19 completed as of 5:00 PM July 23, 2020
 - The *testing rate* is 10,513 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 0.3%
 - 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:

- 39 cases (56.5%) were female
- 24 cases (34.8%) were between the ages of 40 to 59
- 42 cases (60.9%) were cases with an unknown exposure, or their contacts
- 16 cases (23.2%) related to outbreaks in 8 long-term care homes
 - 1 death is related to outbreaks in long-term care homes

Epidemiology – Sudbury and Districts

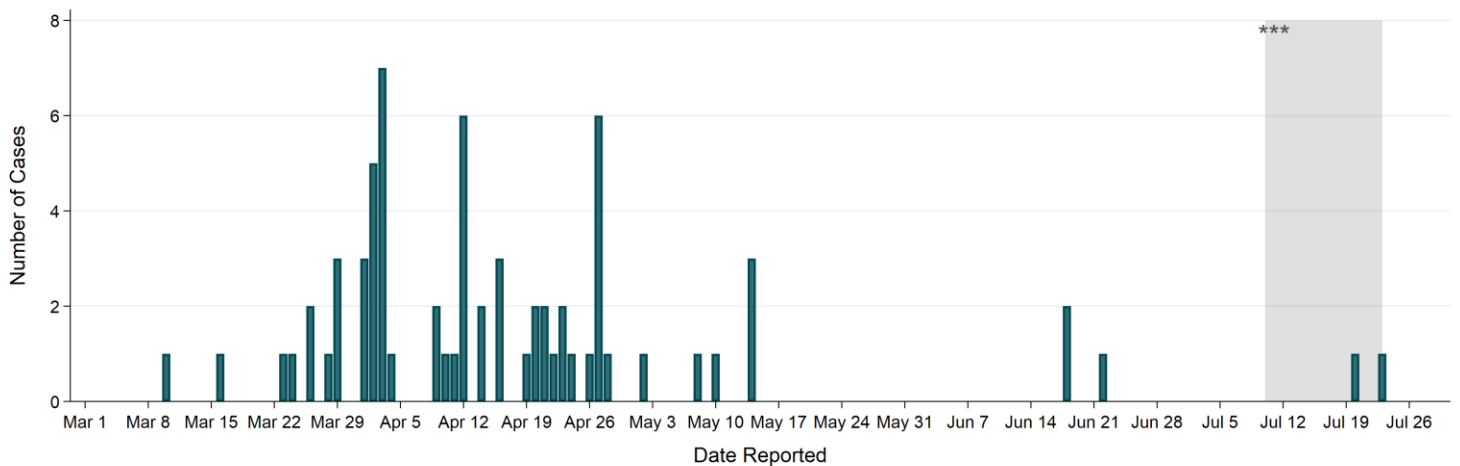
Total confirmed cases as of July 23, 2020 at 6:00 PM: **69 Cases**

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.

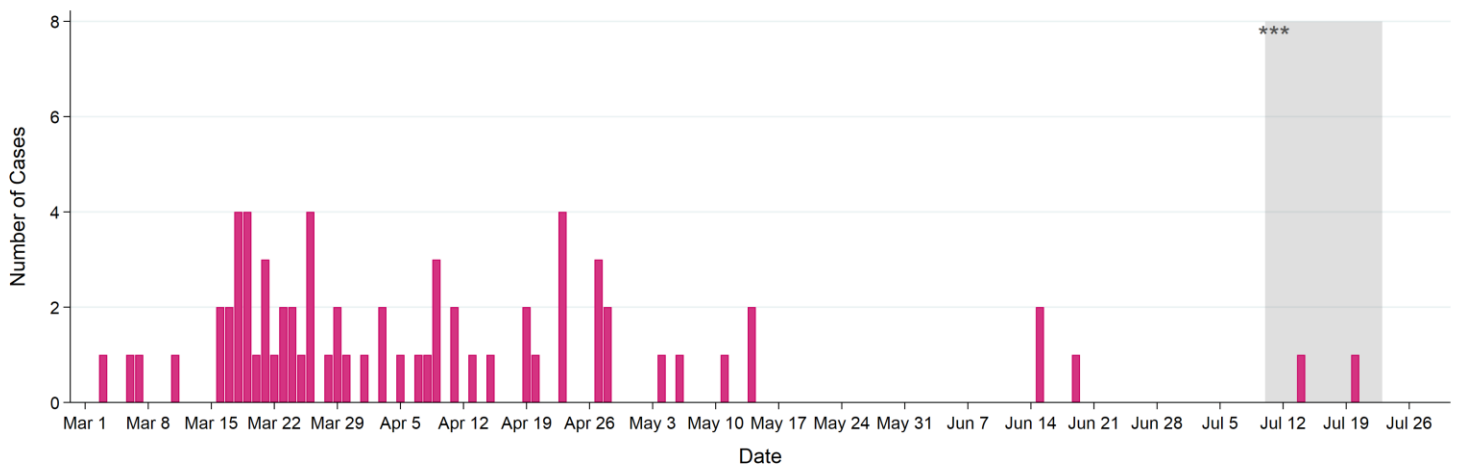
FIGURE 1. Confirmed cases, by date of reporting, Sudbury and districts



Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: July 24, 2020)

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

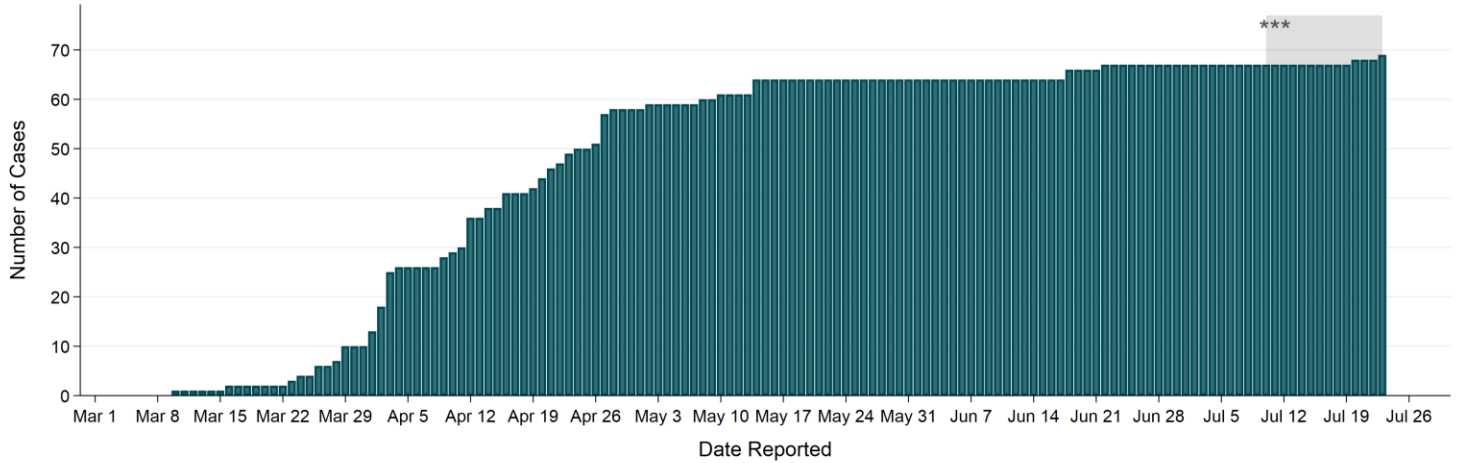
FIGURE 2. Confirmed cases, by date of symptom onset, Sudbury and districts



Data Source: Integrated Public Health Information System (iPHIS), Ministry of Health. (Access Date: July 23, 2020)

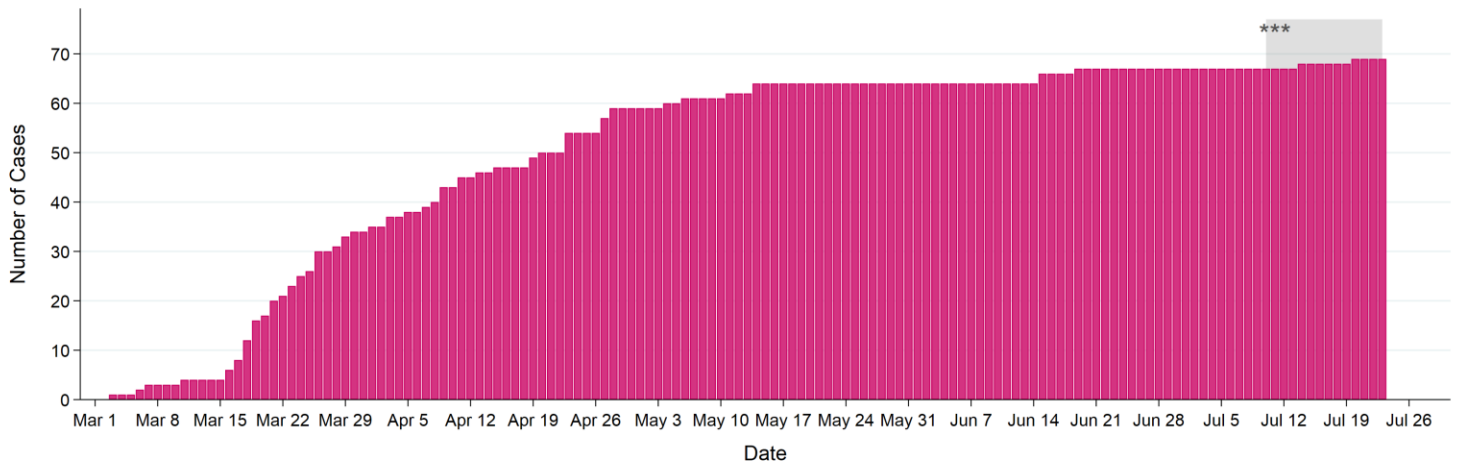
*** Illnesses occurring during this period may not yet be reported

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: July 24, 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: Integrated Public Health Information System (iPHIS), Ministry of Health. (Access Date: July 23, 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	69	100%
Change from previous report	1	1.5%*
Gender: Male	25	36.2%
Gender: Female	39	56.5%
Gender: Not specified	5	7.2%
Ages: 19 and under	5	7.2%
Ages: 20-39	20	29.0%
Ages: 40-59	24	34.8%
Ages: 60-79	18	26.1%
Ages: 80 and over	2	2.9%
Area: Greater Sudbury	63	91.3%
Area: Manitoulin District	4	5.8%
Area: Sudbury District	2	2.9%

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	2.9%
Ontario	2,755	7.2%

Data Source: Public Health Sudbury & Districts

TABLE 3. Resolved cases, by geographic area

Geographic Area	Resolved Cases	Percentage
Sudbury and districts	67	97.1%
Ontario	36,718	96.1%

Data Source: Public Health Sudbury & Districts

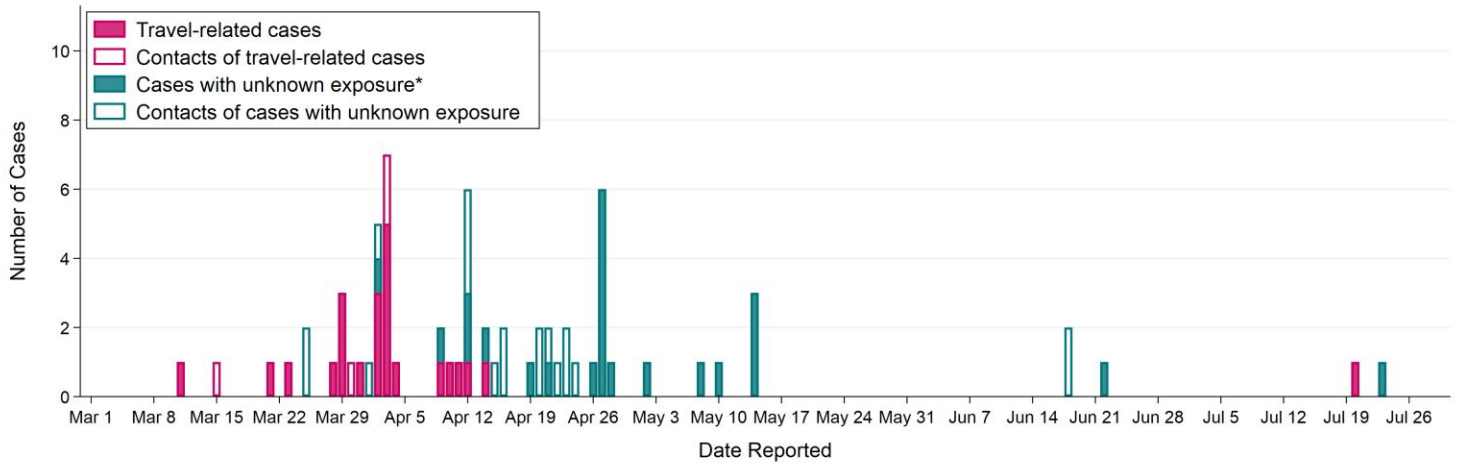
Probable Exposure

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

Exposure	Number	Percentage (%)
Travel-related	23	33.3%
Contact of a travel-related case	4	5.8%
No travel and no contact with a known case (unknown exposure)	23	33.3%
Contact of a case with unknown exposure	19	27.5%
Pending/undetermined	0	0.0%

Data Source: Public Health Sudbury & Districts

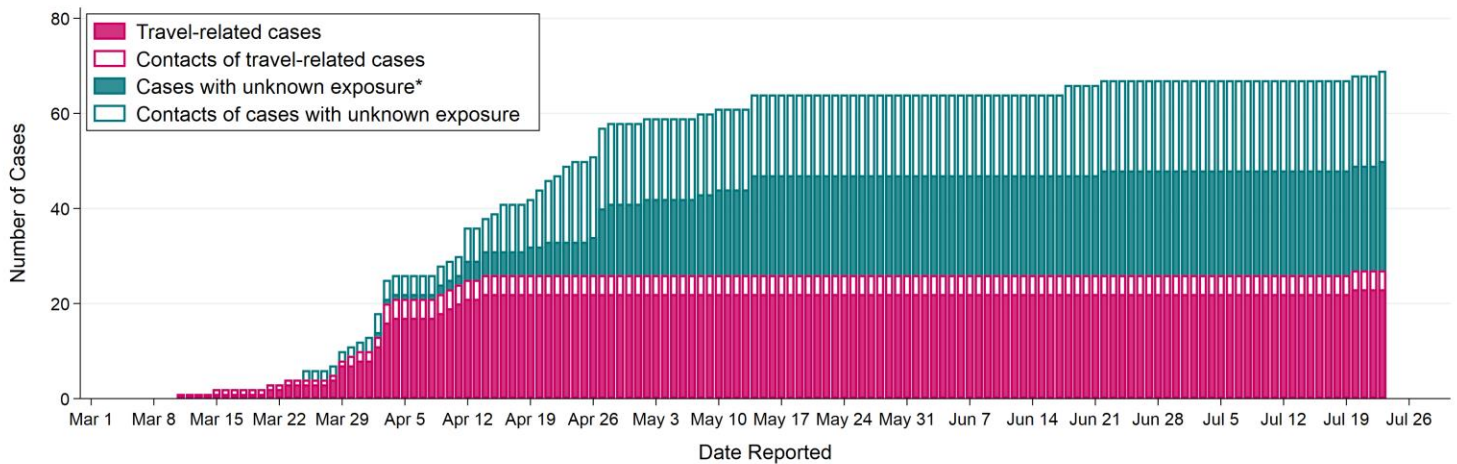
FIGURE 5. Confirmed Cases, by date of reporting and probable exposure, Sudbury and districts



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



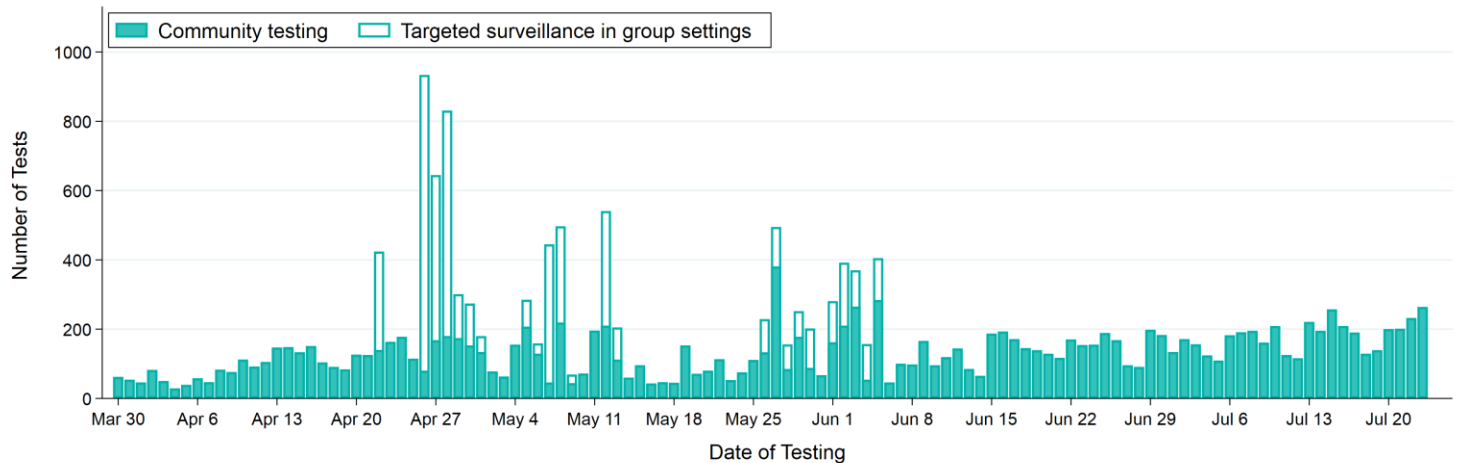
Data source: Public Health Sudbury & Districts

*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

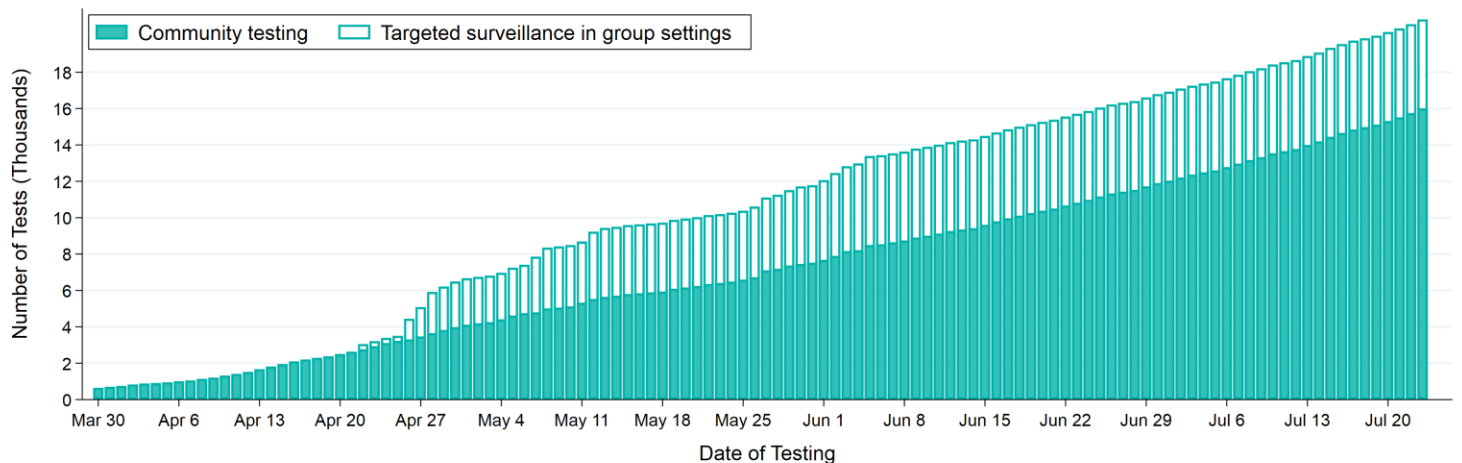
Total number of tests for COVID-19 as of July 23, 2020 at 5:00 PM: **20,906 tests**. This total, and the graphs below, include tests undertaken as part of ongoing targeted surveillance initiatives in long-term care homes, emergency child care centres, and retirement homes coordinated by Public Health Sudbury & Districts between April 25 and June 5, 2020.

FIGURE 7. Tests in Sudbury and districts, March 30 to July 23, 2020



Data source: Public Health Sudbury & Districts

FIGURE 8. Cumulative tests in Sudbury and districts, March 30 to July 23, 2020



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

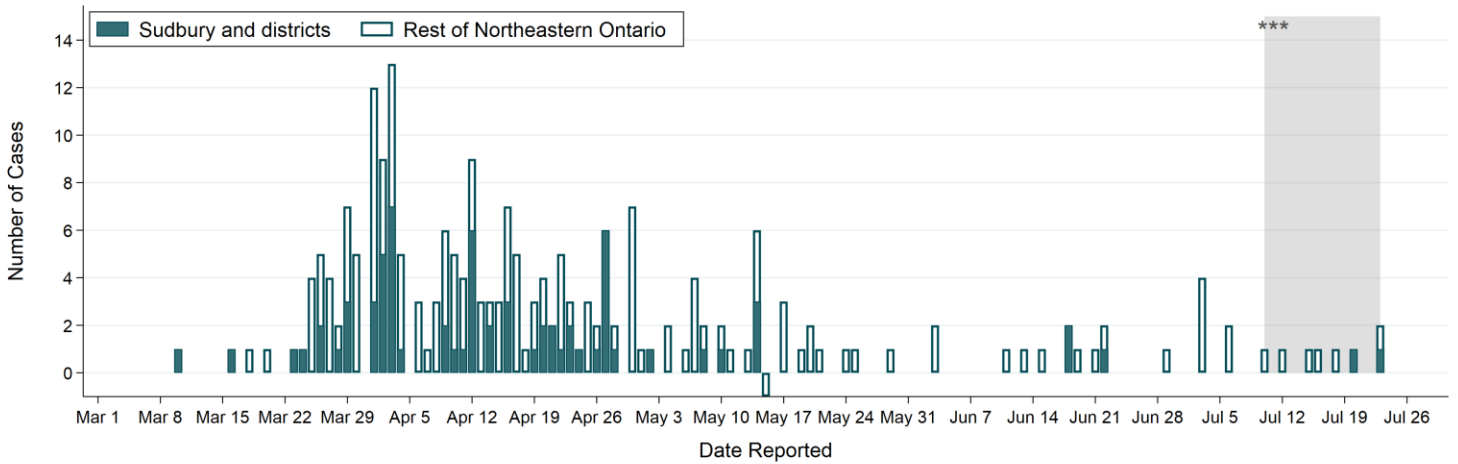
TABLE 6. Summary of active outbreaks in facilities, Sudbury and districts

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

Data Source: Public Health Sudbury & Districts

Regional Context

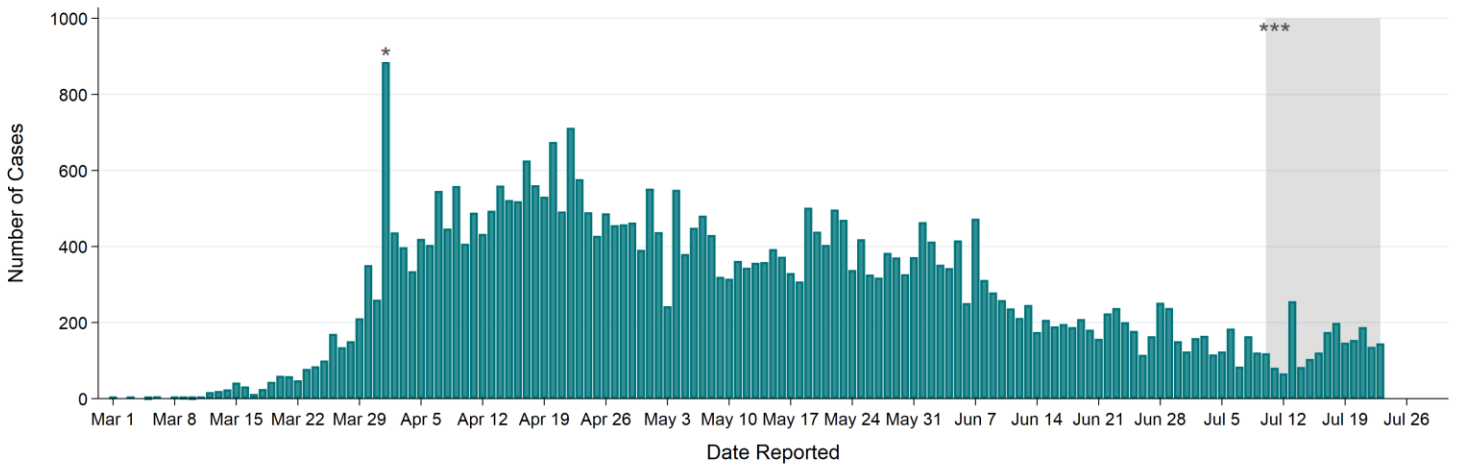
FIGURE 9. Confirmed cases, by date of reporting, Sudbury and districts and Northeastern Ontario



Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: July 24, 2020)

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

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

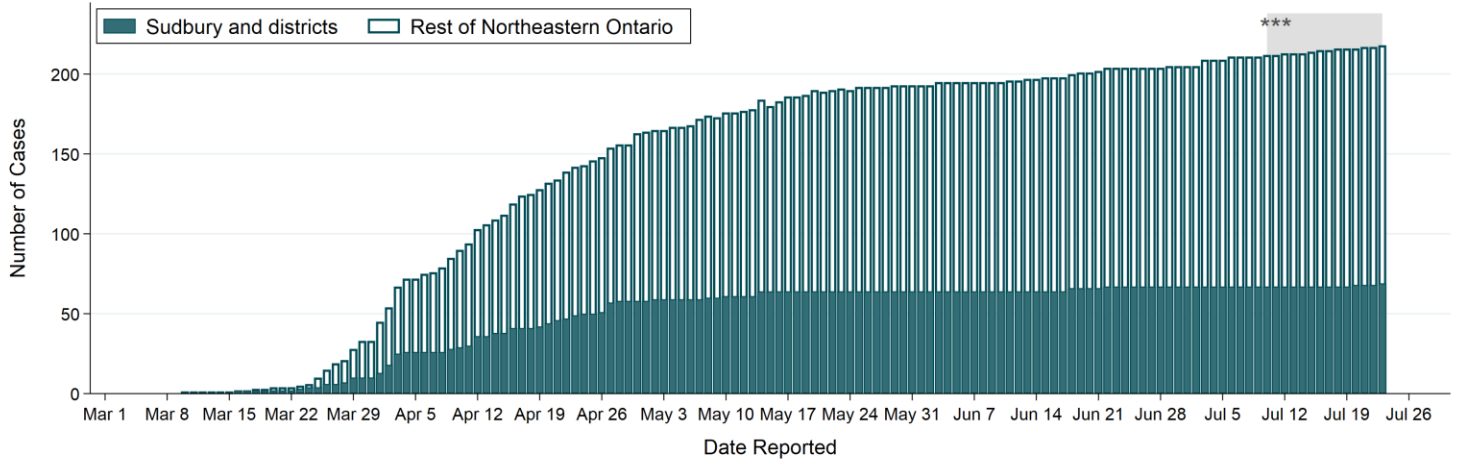


Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: July 24, 2020)

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

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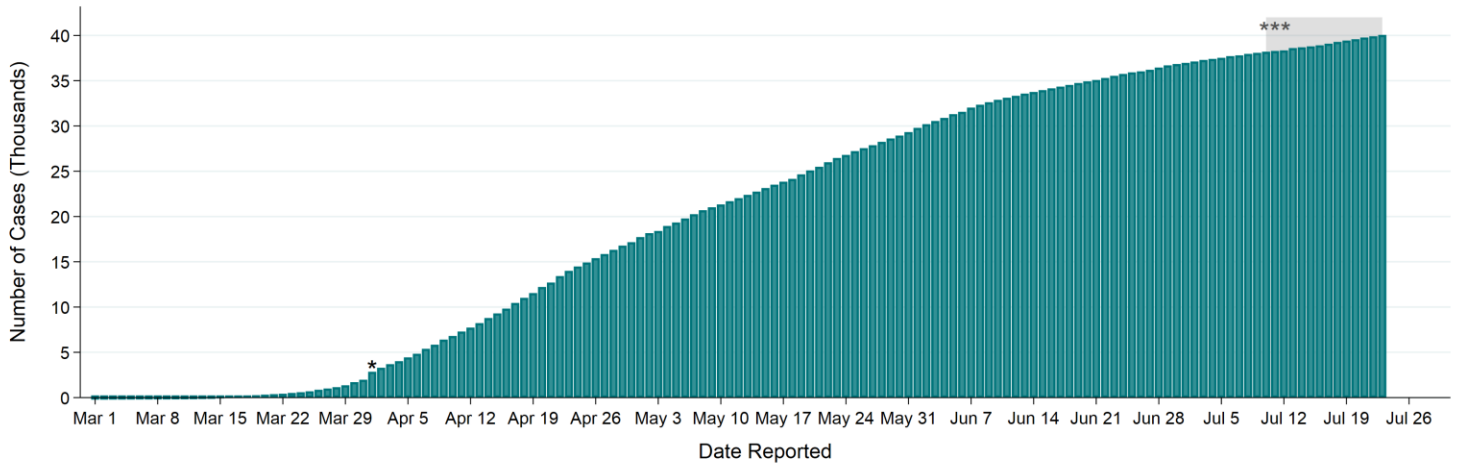
FIGURE 11. Cumulative confirmed cases, by date of reporting, Sudbury and districts and Northeastern Ontario



Data Source: COVID-19 Canada Open Data Working Group <https://github.com/ishaberry/Covid19Canada> (Access Date: July 24, 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 24, 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 6. 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	112,672	299.7	8,874	7.9%	107,393	95.3%	14.0	9,836 ‡	3.0% ‡	July 23
Ontario	38,210	260.6	2,755	7.2%	36,718	96.1%	10.2	13,370	1.9%	July 23
Northern Ontario	356	44.7	12	3.4%	352	98.9%	0.5	14,128	0.3%	July 23
Northeastern Ontario	221	39.5	11	5.0%	217	98.2%	0.7	13,295	0.3%	July 23
Public Health Sudbury & Districts	69	34.7	2	2.9%	67	97.1%	1.0	10,513	0.3%	July 23

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.

‡ 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.