

# 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 **4:00 PM May 02, 2021**, unless otherwise specified.

## Highlights

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

- **1,960 cases** of COVID-19.
  - **810 (41.3%) of these cases** have tested positive for a COVID-19 variant of concern (VOC).
  - As of November 24, 2020, unless otherwise specified, case counts include laboratory confirmed cases as well as probable cases as defined by the Ontario Ministry of Health ([probable case definition \[PDF\]](#)), except for individuals who have a preliminary positive result from a point-of-care test and for whom laboratory confirmation is required.
- **28 deaths**.
  - The *case fatality rate* is 1.4% (i.e.,  $Total\ Deaths / Total\ Cases \times 100\%$ ).
- **239,385 tests** for COVID-19 completed as of end of day on May 1, 2021. Note: this includes preliminary counts of tests completed in the previous 6 days.
  - The *testing rate* is 120,384 tests per 100,000 population.
  - The percent of tests that are positive is 0.9%. (i.e.,  $Total\ Positive\ Tests / Total\ Tests \times 100\%$ ). Note: an individual may have more than one test completed.

Of the cases:

- 1,880 cases (95.9%) are resolved, and there are 80 active cases (4.1%).
- 778 cases (39.7%) were female. Note: Sex is not specified for cases 19 aged years and under.
- 1,092 cases (55.7%) were less than 40 years of age. Note: Data on sex and age groups are updated when there are sufficient data to ensure individual cases cannot be identified.
- 282 cases (14.4%) had no known epidemiological link (unknown exposure).
- There have been 39 outbreaks declared in local long-term care homes, retirement homes and other community congregate settings.
- There have been 20 outbreaks declared in local schools and licensed daycares.

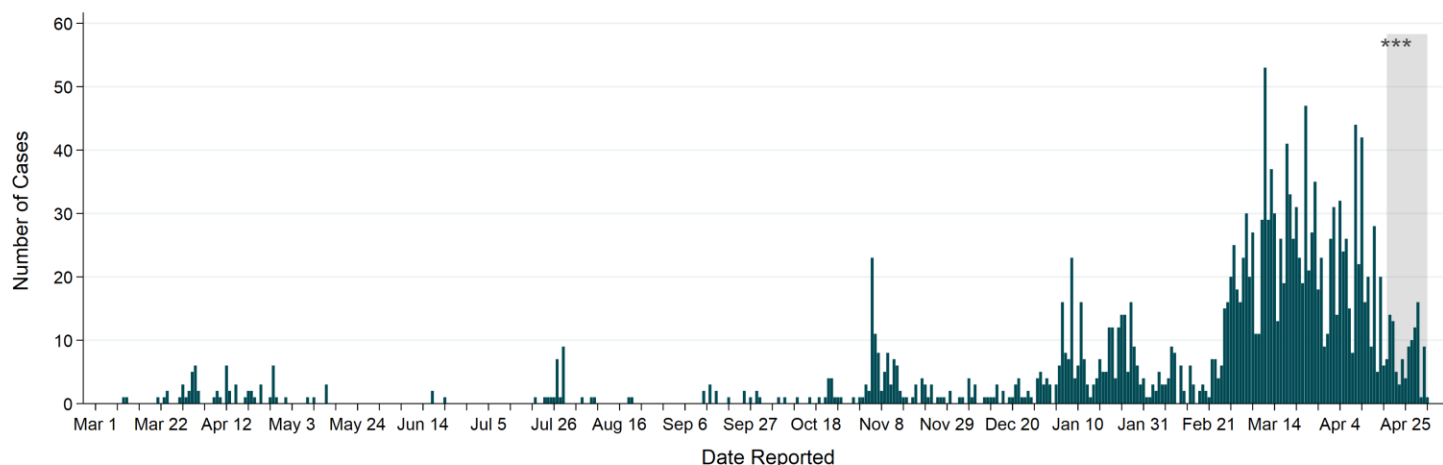
# Epidemiology – Sudbury and Districts

Total cases as of May 02, 2021 at 4:00 PM: **1,960 Cases**

## Cases over time

Note: External data sources may have slight delays in capturing locally reported cases.

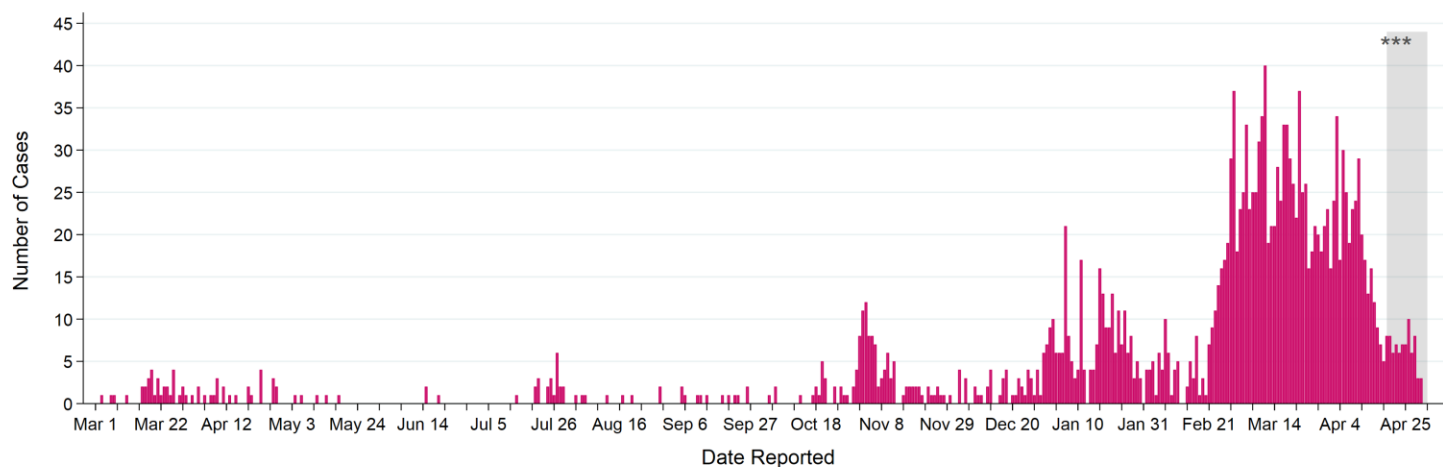
**FIGURE 1. Confirmed cases, by date of reporting, Sudbury and districts**



Data Source: Ontario Treasury Board Secretariat, Data Catalogue, Confirmed positive cases of COVID-19 in Ontario. <https://data.ontario.ca/dataset/confirmed-positive-cases-of-covid-19-in-ontario> (Access Date: May 03, 2021)

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

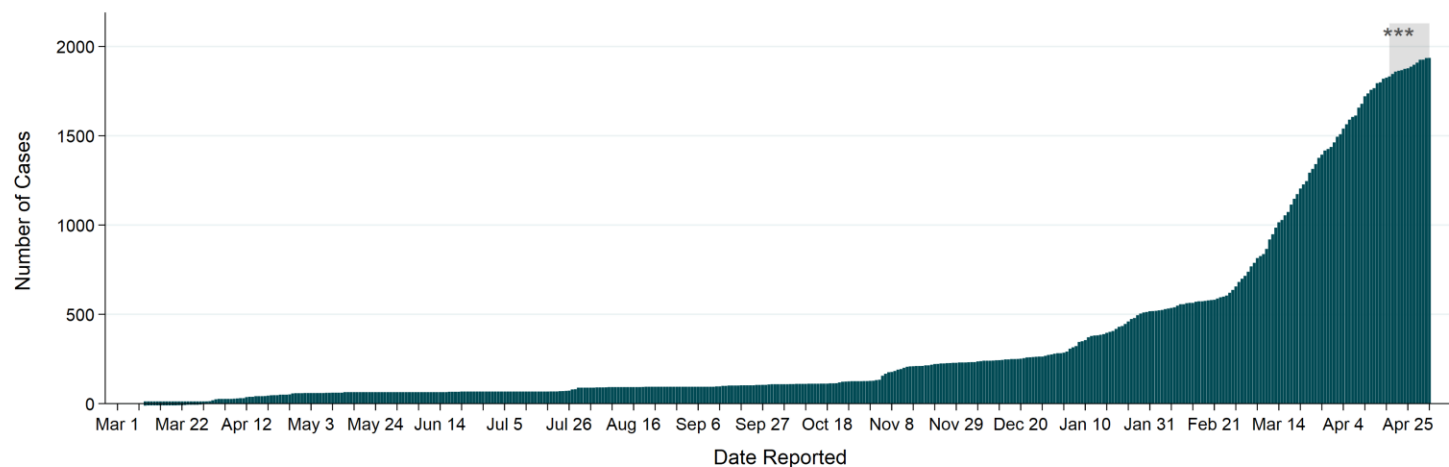
**FIGURE 2. Confirmed cases, by date of symptom onset, Sudbury and districts**



Data Source: Ontario Treasury Board Secretariat, Data Catalogue, Confirmed positive cases of COVID-19 in Ontario. <https://data.ontario.ca/dataset/confirmed-positive-cases-of-covid-19-in-ontario> (Access Date: May 03, 2021)

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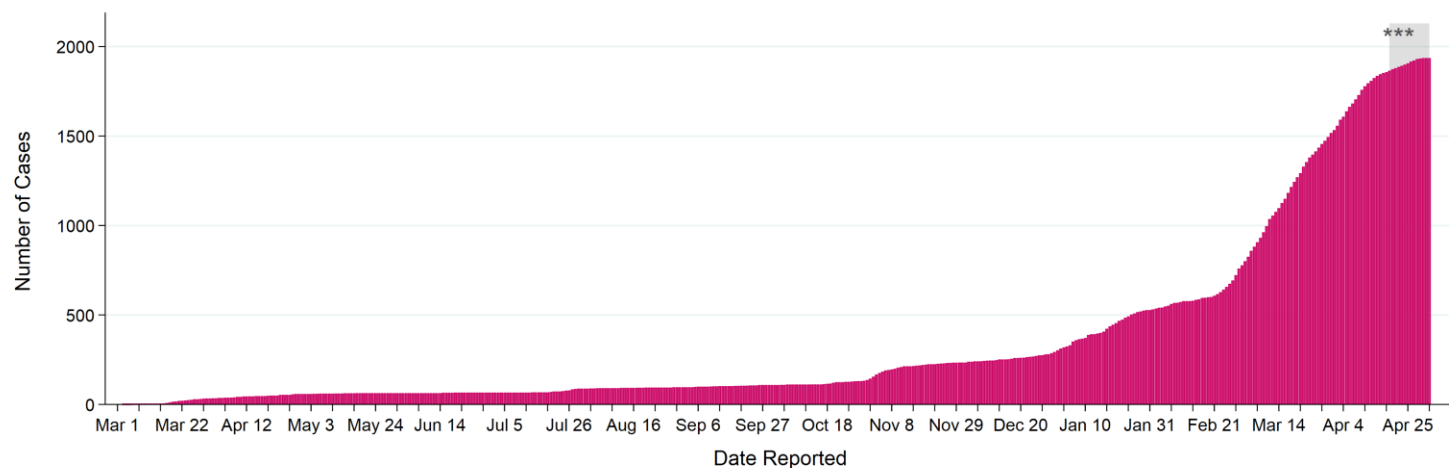
**FIGURE 3. Cumulative confirmed cases, by date of reporting, Sudbury and districts**



Data Source: Ontario Treasury Board Secretariat, Data Catalogue, Confirmed positive cases of COVID-19 in Ontario. <https://data.ontario.ca/dataset/confirmed-positive-cases-of-covid-19-in-ontario> (Access Date: May 03, 2021)

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



Data Source: Ontario Treasury Board Secretariat, Data Catalogue, Confirmed positive cases of COVID-19 in Ontario. <https://data.ontario.ca/dataset/confirmed-positive-cases-of-covid-19-in-ontario> (Access Date: May 03, 2021)

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# Case Characteristics

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

Characteristic	Cases - Total	Percentage (%)	Cases - Past week	Percentage (%)
Numbers of Cases	1,960	100%	66	100%
Change from previous report	39	2.0%*	13	24.5%*
Cases testing positive for a variant of concern (VOC)	810	41.3%	43	65.2%
Sex: Male	736	37.6%	20	30.3%
Sex: Female	778	39.7%	18	27.3%
Sex: Not specified**	445	22.7%	27	40.9%
Ages: 19 and under	455	23.2%	27	40.9%
Ages: 20-39	637	32.5%	19	28.8%
Ages: 40-59	494	25.2%	9	13.6%
Ages: 60-79	283	14.4%	10	15.2%
Ages: 80 and over	90	4.6%	0	0.0%
Ages: Not specified**	0	0.0%	0	0.0%
Area: Greater Sudbury	1,843	94.0%	50	75.8%
Area: Manitoulin District	38	1.9%	1	1.5%
Area: Sudbury District, North	3	0.2%	0	0.0%
Area: Sudbury District, West	44	2.2%	14	21.2%
Area: Sudbury District, East	32	1.6%	1	1.5%

Data source: Public Health Sudbury & Districts

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

\*\*Data on sex and age groups are listed as unspecified until there are sufficient numbers to allow them to be assigned to the appropriate categories. This ensures that individual cases cannot be identified. Sex is not specified for cases aged 19 years and under.

# Case Outcome

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

Geographic Area	Total Cases	Resolved Cases	Percent Resolved	Active Cases	Percent Active	Deaths	Case Fatality Rate (CFR)
Sudbury and districts	1,960	1,880	95.9%	80	4.1%	28	1.4%
Ontario	473,901	436,904	92.2%	36,997	7.8%	8,118	1.7%

Data Source: Public Health Sudbury & Districts and Ontario MOH COVID-19 Update

# Probable Exposure

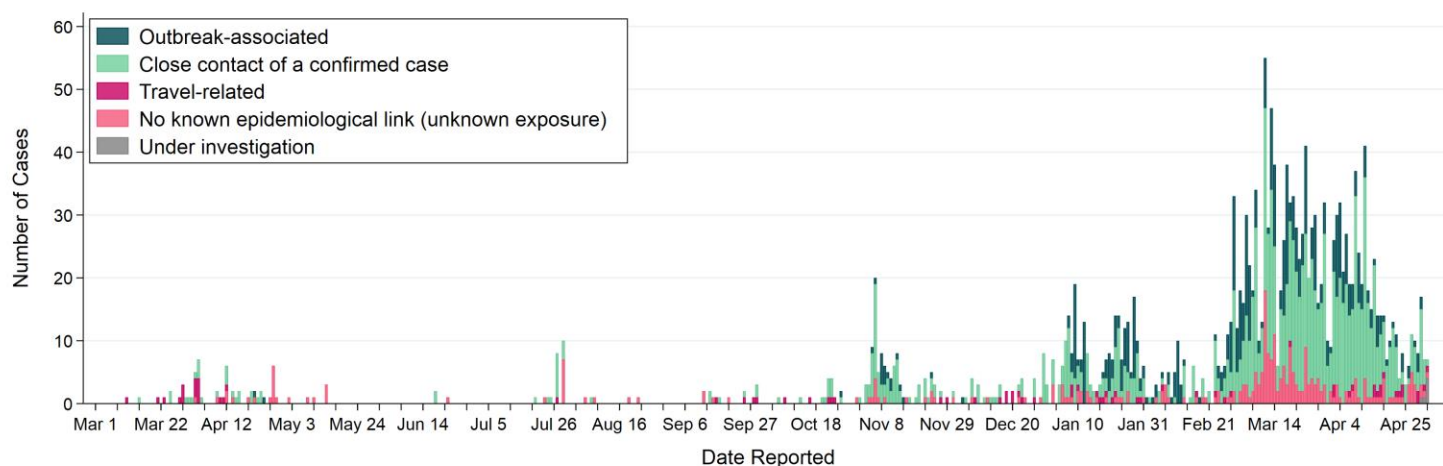
Note: Exposure categories have been revised to better align with categories reported provincially.

**TABLE 3. Cases, by probable exposure, Sudbury and districts**

Exposure	Cases - Total	Percentage (%)	Cases - Past week	Percentage (%)
Outbreak-associated	486	24.8%	8	12.1%
Close contact of a confirmed case	1,113	56.8%	33	50.0%
Travel-related	73	3.7%	4	6.1%
No known epidemiological link (unknown exposure)	282	14.4%	15	22.7%
Under investigation	6	0.3%	6	9.1%

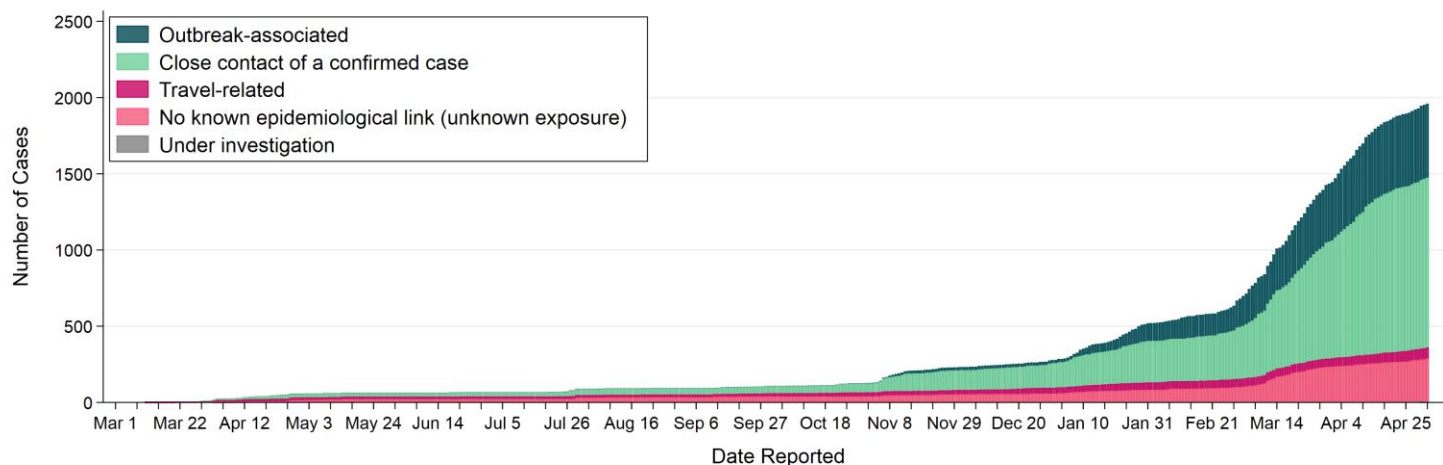
Data Source: Public Health Sudbury & Districts

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



Data source: Public Health Sudbury & Districts

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



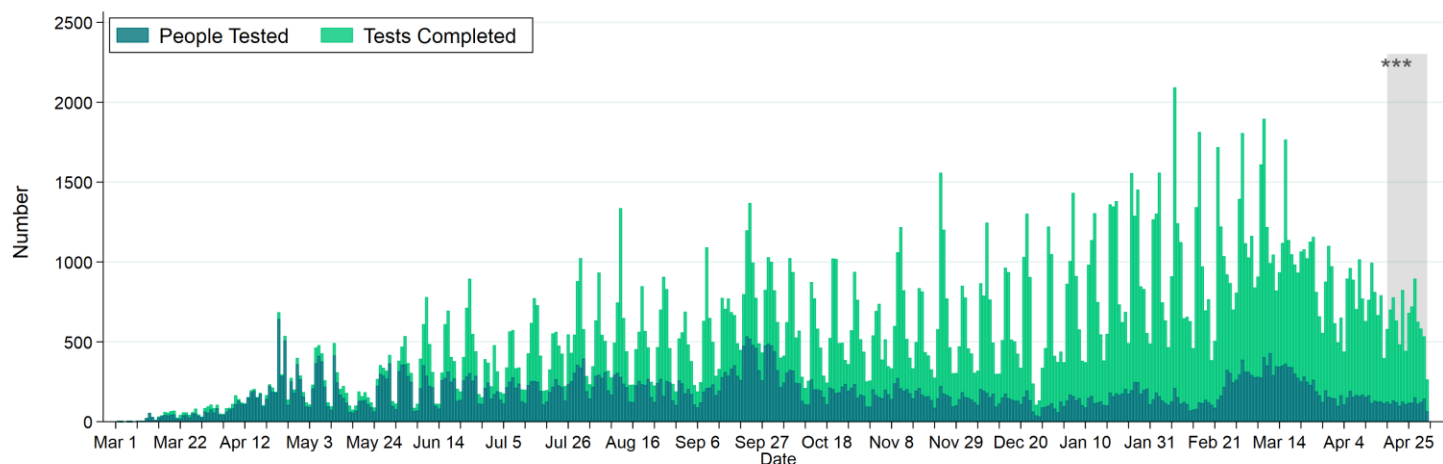
Data source: Public Health Sudbury & Districts

# Testing

Total number of tests for COVID-19 as of end of day on May 1, 2021: **239,385 tests** (this includes preliminary counts of tests completed in the previous 6 days.)

Data includes testing from community assessment centres and other health care settings, as well as targeted surveillance initiatives, such as in long-term care homes.

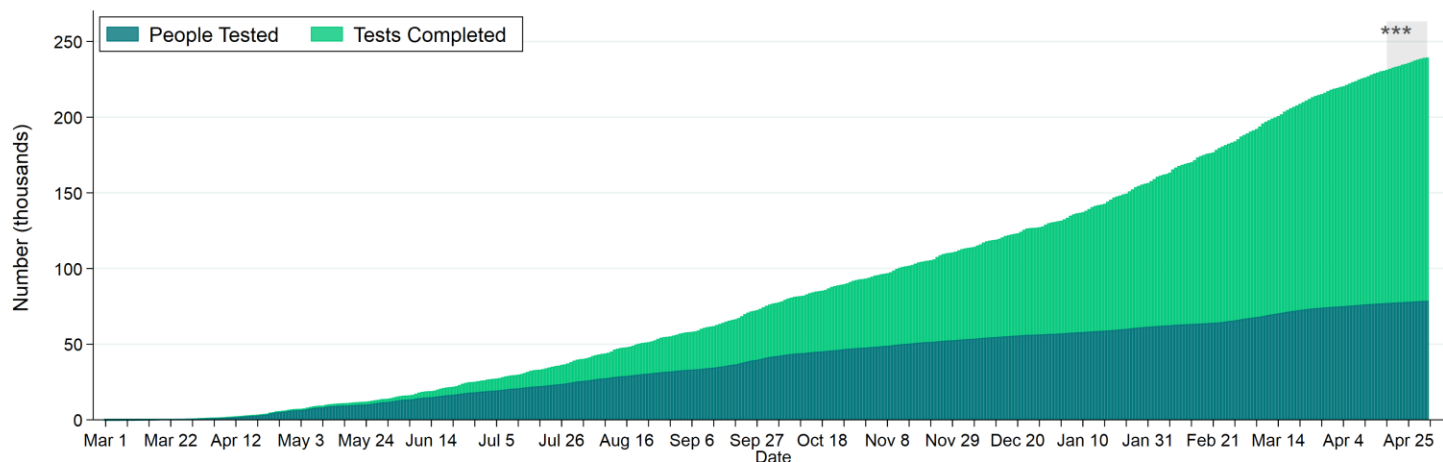
**FIGURE 7. Number of tests and people tested in Sudbury and districts, March 30 to May 1, 2021**



Data source: COVID-19 Testing Report (SAS Visual Analytics), Ministry of Health, May 03, 2021

\*\*\* Preliminary data

**FIGURE 8. Cumulative number of tests and people tested in Sudbury and districts, March 30 to May 1, 2021**



Data source: COVID-19 Testing Report (SAS Visual Analytics), Ministry of Health, May 03, 2021

\*\*\* Preliminary data

# Outbreaks in Facilities

As per the most recent provincial directives, outbreaks of COVID-19 are not automatically declared in long-term care homes and other congregate settings with the confirmation of one case. Public Health assesses each unique situation in determining if an outbreak should be declared, including, for example, occupation, exposures in the home, symptoms of the case, specific risk factors, and local epidemiology.

- In total there have been **39** COVID-19 outbreaks in area facilities.
- Of the declared outbreaks, **2** are currently active, and **37** have been declared over.
- The table, below, provides a summary of outbreaks that have been active within the past 7 days.

**TABLE 4. Summary of recent outbreaks in facilities, Sudbury and districts**

Name of Facility	Facility Type	Units Affected	Date Active	Date Declared Over
St. Joseph's Villa	Long-term care home	Hillcrest Wing	April 5	April 28
Health Sciences North	Hospital	Fourth floor South	April 23	-
Sudbury Jail	Congregate setting	Entire Facility	April 29	-

Data Source: Public Health Sudbury & Districts

# Outbreaks in Schools and Licensed Daycares

An outbreak in a school or daycare will be declared if there are two or more cases of COVID-19 in a 14-day period that have some link with each other, and with evidence that infection occurred at the school.

- In total there have been **20** COVID-19 outbreaks in area schools and licensed daycares.
- All outbreaks have now been declared over.
- The table, below, provides a summary of outbreaks that have been active within the past 7 days.

**TABLE 5. Summary of recent outbreaks in schools and licensed daycares, Sudbury and districts**

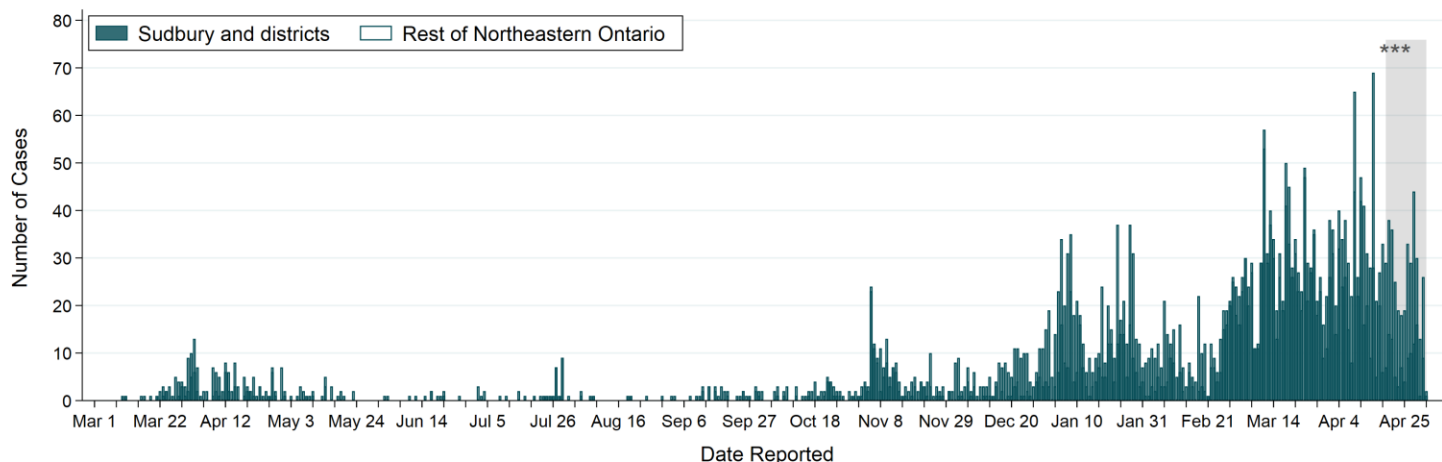
There have been no active outbreaks in the past 7 days.

Data Source: Public Health Sudbury & Districts



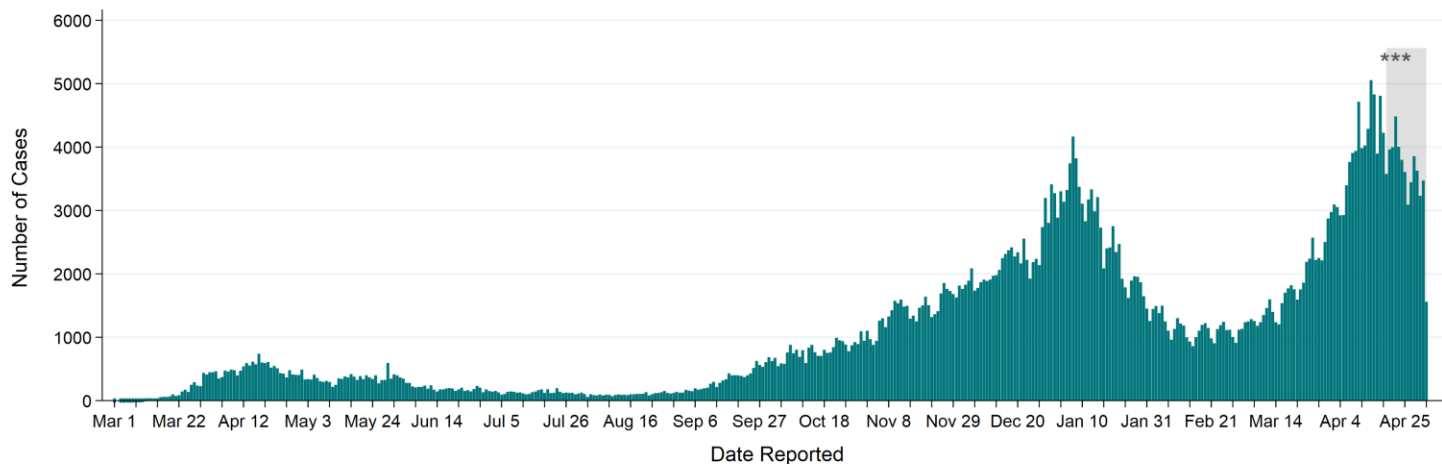
# Regional Context

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



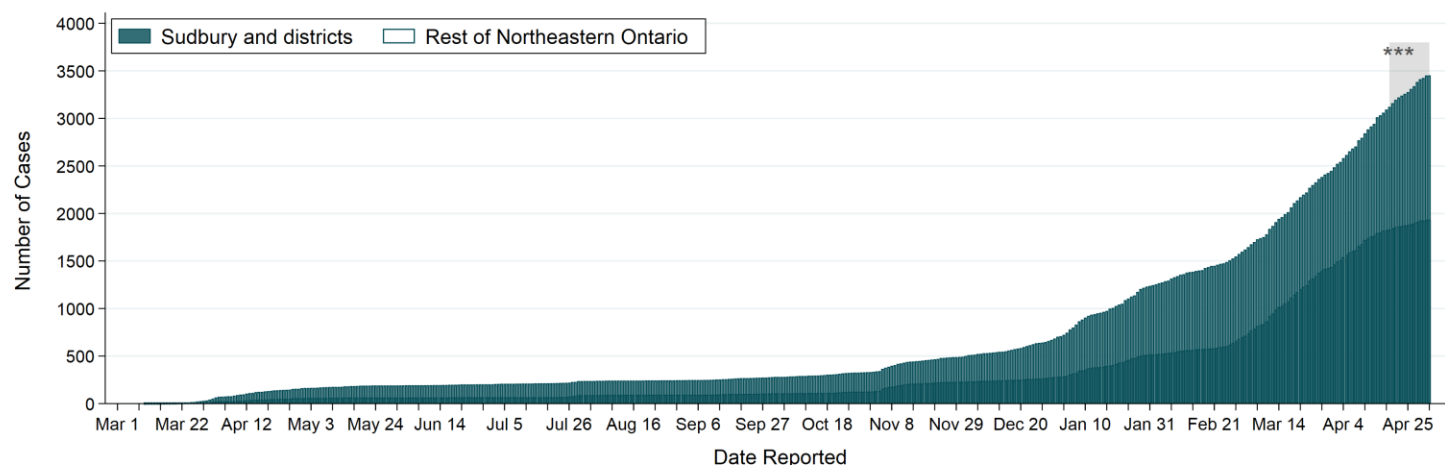
Data Source: Ontario Treasury Board Secretariat, Data Catalogue, Confirmed positive cases of COVID-19 in Ontario. <https://data.ontario.ca/dataset/confirmed-positive-cases-of-covid-19-in-ontario> (Access Date: May 03, 2021)  
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**FIGURE 10. Confirmed cases, by date of reporting, Ontario**



Data Source: Ontario Treasury Board Secretariat, Data Catalogue, Confirmed positive cases of COVID-19 in Ontario. <https://data.ontario.ca/dataset/confirmed-positive-cases-of-covid-19-in-ontario> (Access Date: May 03, 2021)  
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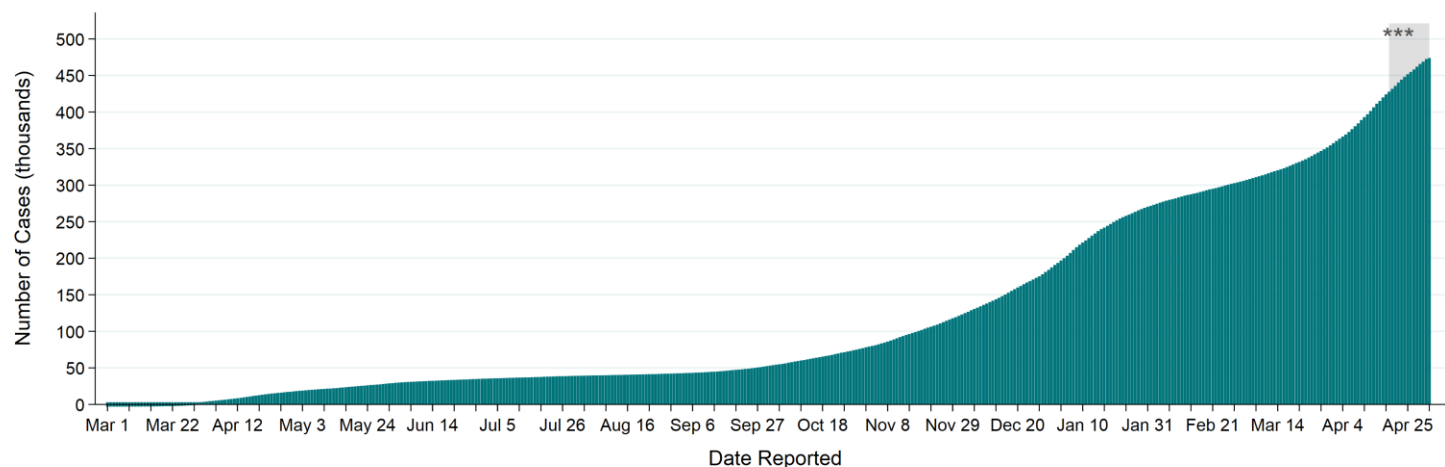
**FIGURE 11. Cumulative confirmed cases, by date of reporting, Sudbury and districts and Northeastern Ontario**



Data Source: Ontario Treasury Board Secretariat, Data Catalogue, Confirmed positive cases of COVID-19 in Ontario. <https://data.ontario.ca/dataset/confirmed-positive-cases-of-covid-19-in-ontario> (Access Date: May 03, 2021)

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



Data Source: Ontario Treasury Board Secretariat, Data Catalogue, Confirmed positive cases of COVID-19 in Ontario. <https://data.ontario.ca/dataset/confirmed-positive-cases-of-covid-19-in-ontario> (Access Date: May 03, 2021)

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**TABLE 6. Regional COVID-19 case summary**

Geographic Area	Cases	Cumulative incidence per 100,000*	Active Cases	Prevalence per 100,000**	Resolved Cases	Resolved Rate	Deceased	Case Fatality Rate	Data Availability†
Canada	1,234,180	3,283.3	83,744	222.8	1,150,436	93.2%	24,300	2.0%	May 2
Ontario	473,901	3,232.6	36,997	252.4	436,904	92.2%	8,118	1.7%	May 2
Northern Ontario	7,437	933.2	431	54.1	7,006	94.2%	132	1.8%	April 30
Northeastern Ontario	3,413	610.1	297	53.1	3,116	91.3%	63	1.8%	April 30
Public Health Sudbury & Districts	1,960	985.7	80	40.2	1,880	95.9%	28	1.4%	May 2

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.

\* Cumulative incidence is the rate at which new cases have occurred since the beginning of the pandemic. \*\* Prevalence is the current rate of active (unresolved) cases in the population

† This report is based on the most currently available information at date and time of production.

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

Geographic Area	Tests Completed	Tests per 100,000	% Tests that were Positive*	People Tested	People Tested per 100,000	% People Tested who were Positive**	Data Availability†
Canada	31,756,698	84,483	Not Available	Not Available	Not Available	Not Available	May 2
Ontario	12,538,834	85,530	3.7%	4,984,625	34,001	9.5%	May 1
Northern Ontario	869,329	109,087	0.9%	287,100	36,027	2.6%	May 1
Northeastern Ontario	603,035	107,799	0.7%	195,061	34,869	1.7%	May 1
Public Health Sudbury & Districts	239,385	120,384	0.9%	78,659	39,557	2.5%	May 1

Data source: Statistics Canada, Government of Canada COVID-19 Update; COVID-19 Testing Report (SAS Visual Analytics), Ontario Ministry of Health, May 03, 2021

\* This is calculated using the following formula: Total Positive Tests / Total Tests x 100%. Note: an individual person may be tested on multiple different occasions. Samples collected on each such occasion may undergo multiple tests, and thus may yield multiple positive tests. The number of positive tests will therefore exceed the number of confirmed cases within an area.

\*\* This is calculated using the following formula: Total Confirmed Cases / Total People Tested x 100%

† This report is based on the most currently available information at date and time of production.