

# 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 09, 2021**, unless otherwise specified.

## Highlights

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

- **2,011 cases** of COVID-19.
  - **850 (42.3%) 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.,  $Total\ Deaths / Total\ Cases \times 100\%$ ).
- **243,014 tests** for COVID-19 completed as of end of day on May 8, 2021. Note: this includes preliminary counts of tests completed in the previous 6 days.
  - The *testing rate* is 122,208 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:

- 1,934 cases (96.2%) are resolved, and there are 77 active cases (3.8%).
- 792 cases (39.4%) were female. Note: Sex is not specified for cases 19 aged years and under.
- 1,121 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.
- 291 cases (14.5%) had no known epidemiological link (unknown exposure).
- There have been 40 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.

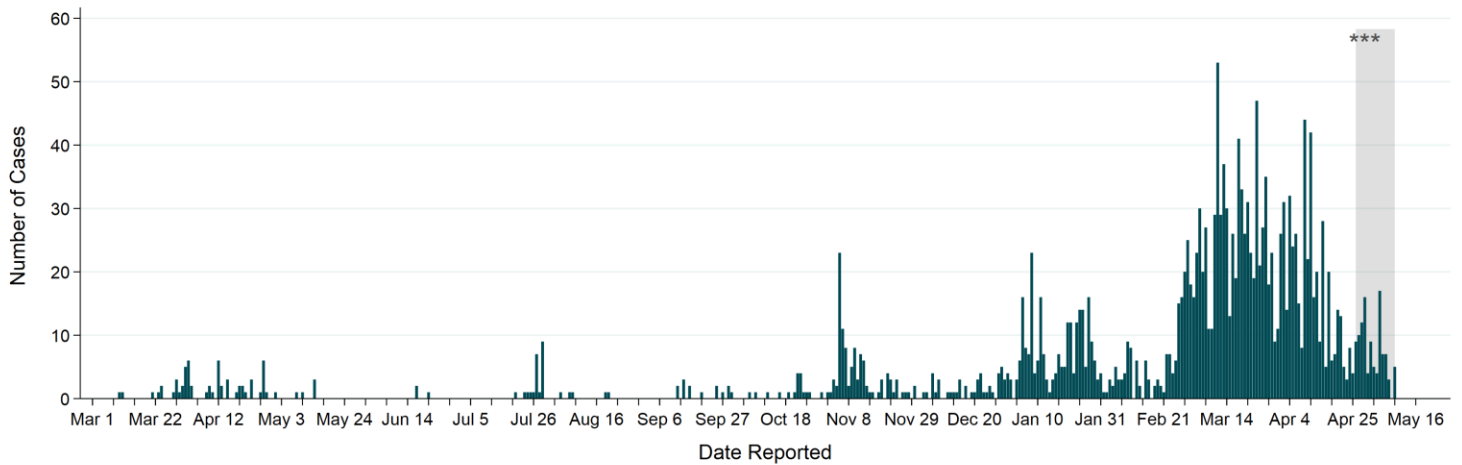
# Epidemiology – Sudbury and Districts

Total cases as of May 09, 2021 at 4:00 PM: **2,011 Cases**

## Cases over time

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

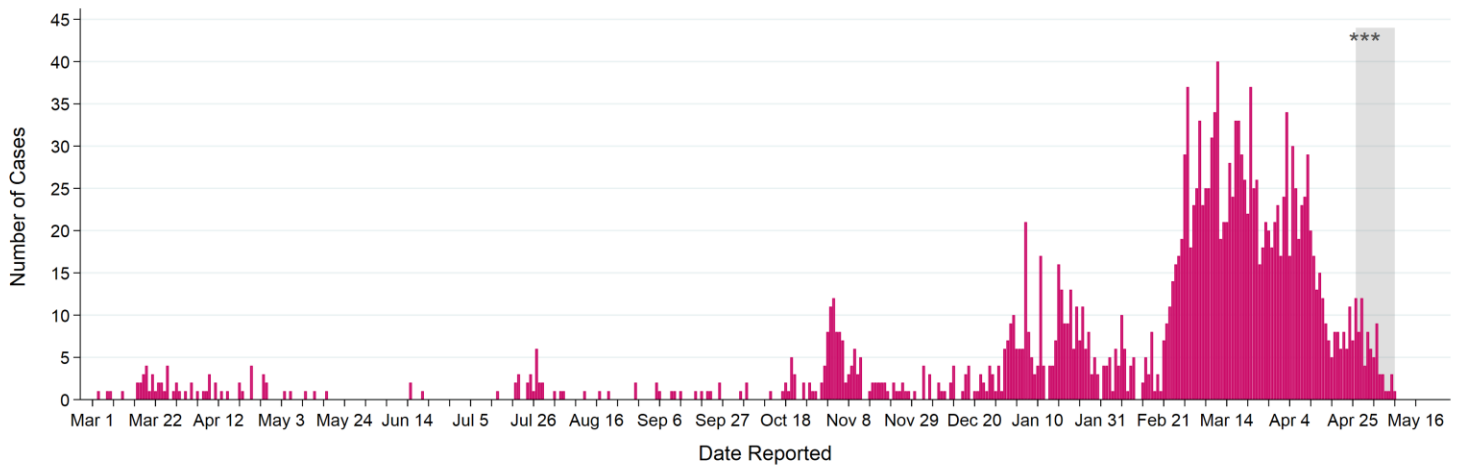
**FIGURE 1. Confirmed cases, by date of reporting, Sudbury and districts**



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 10, 2021)

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

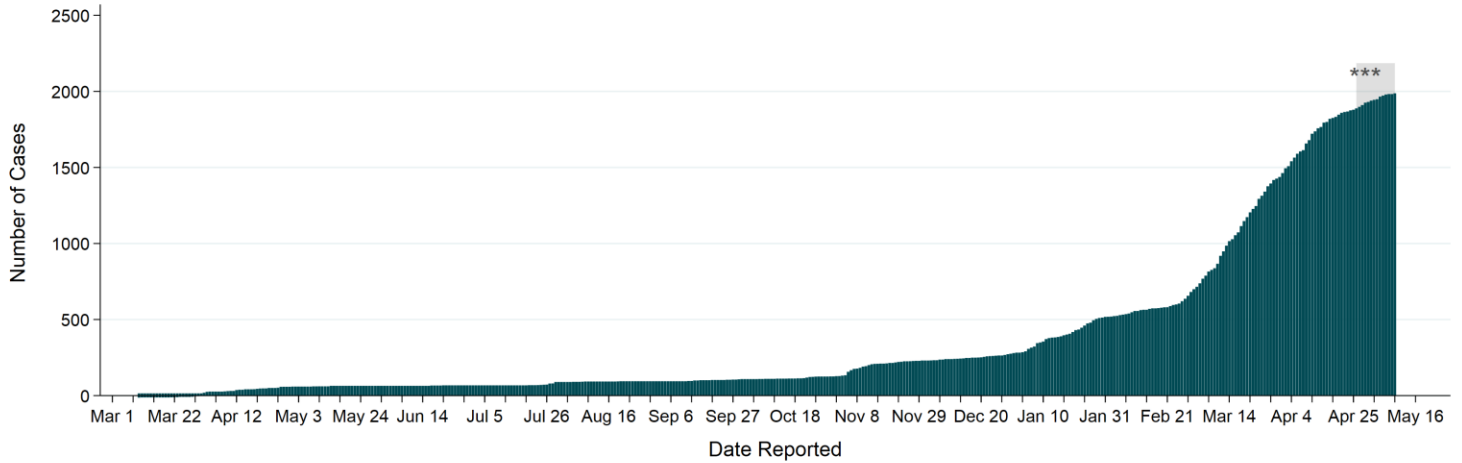
**FIGURE 2. Confirmed cases, by date of symptom onset, Sudbury and districts**



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 10, 2021)

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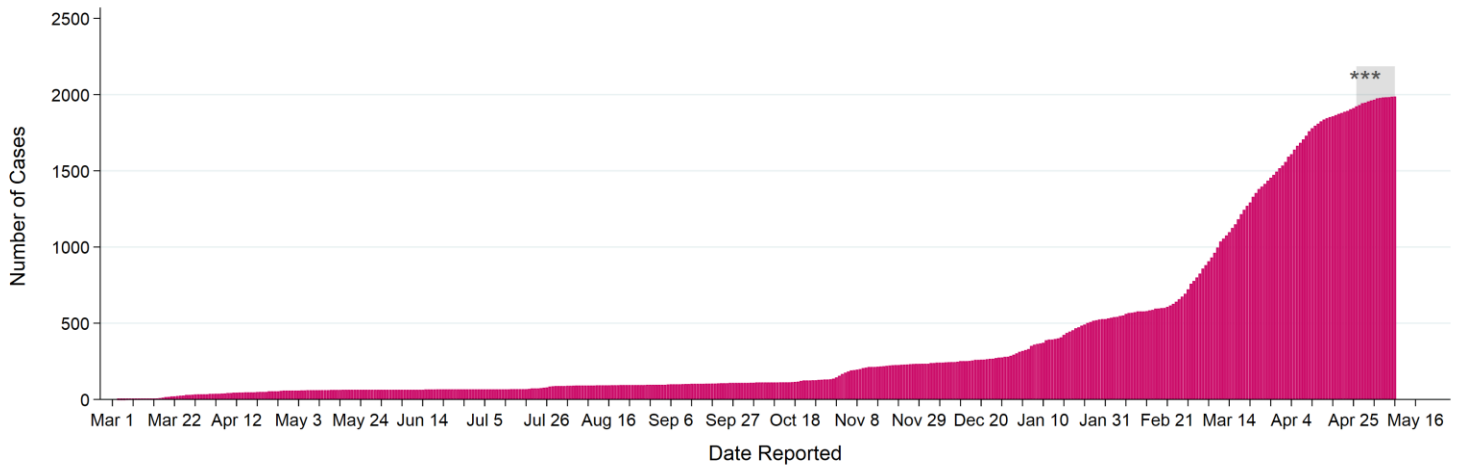
**FIGURE 3. Cumulative confirmed cases, by date of reporting, Sudbury and districts**



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 10, 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 10, 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	2,011	100%	51	100%
Change from previous report	24	1.2%*	-15	-22.7%*
Cases testing positive for a variant of concern (VOC)	850	42.3%	25	49.0%
Sex: Male	752	37.4%	21	41.2%
Sex: Female	792	39.4%	18	35.3%
Sex: Not specified**	467	23.2%	12	23.5%
Ages: 19 and under	467	23.2%	12	23.5%
Ages: 20-39	654	32.5%	17	33.3%
Ages: 40-59	512	25.5%	17	33.3%
Ages: 60-79	287	14.3%	4	7.8%
Ages: 80 and over	91	4.5%	1	2.0%
Ages: Not specified**	0	0.0%	0	0.0%
Area: Greater Sudbury	1,887	93.8%	44	86.3%
Area: Manitoulin District	39	1.9%	1	2.0%
Area: Sudbury District, North	3	0.1%	0	0.0%
Area: Sudbury District, West	50	2.5%	6	11.8%
Area: Sudbury District, East	32	1.6%	0	0.0%

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	2,011	1,934	96.2%	77	3.8%	28	1.4%
Ontario	495,019	463,028	93.5%	31,991	6.5%	8,327	1.7%

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

# Probable Exposure

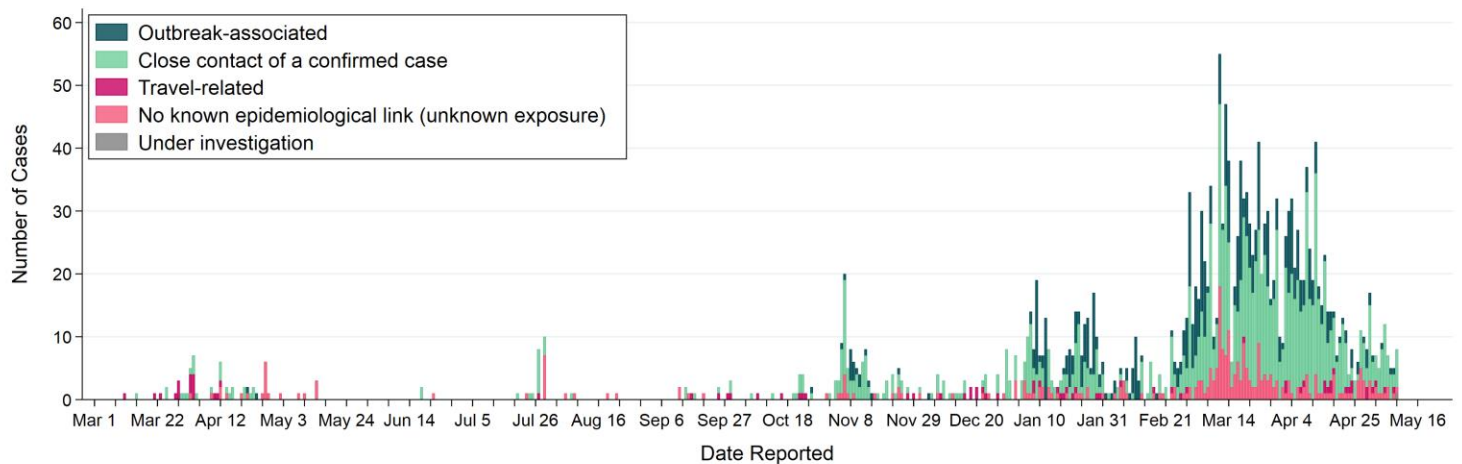
Note: Exposure categories have been revised to better align with categories reported provincially.

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

Exposure	Cases - Total	Percentage (%)	Cases - Past week	Percentage (%)
Outbreak-associated	490	24.4%	3	5.9%
Close contact of a confirmed case	1,154	57.4%	38	74.5%
Travel-related	75	3.7%	2	3.9%
No known epidemiological link (unknown exposure)	291	14.5%	7	13.7%
Under investigation	1	0.0%	1	2.0%

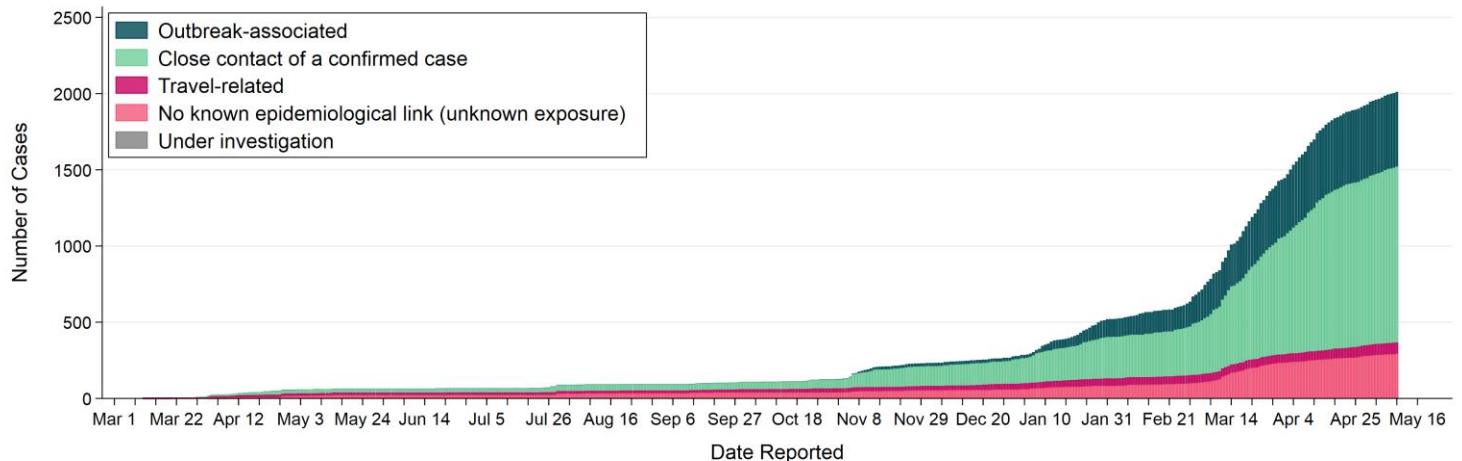
Data Source: Public Health Sudbury & Districts

**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**



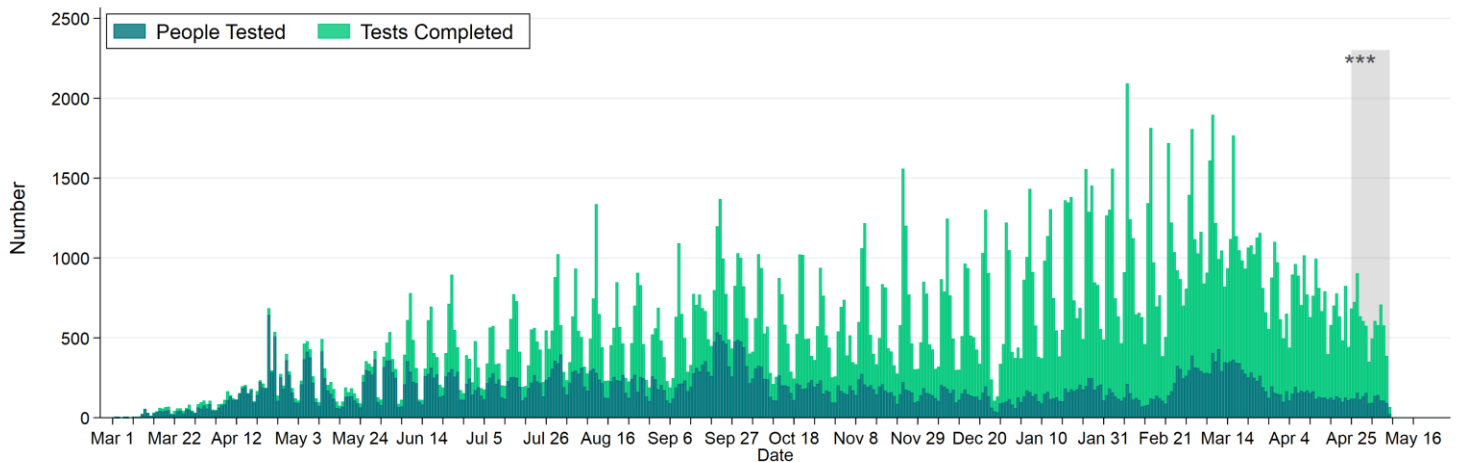
Data source: Public Health Sudbury & Districts

# Testing

Total number of tests for COVID-19 as of end of day on May 8, 2021: **243,014 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.

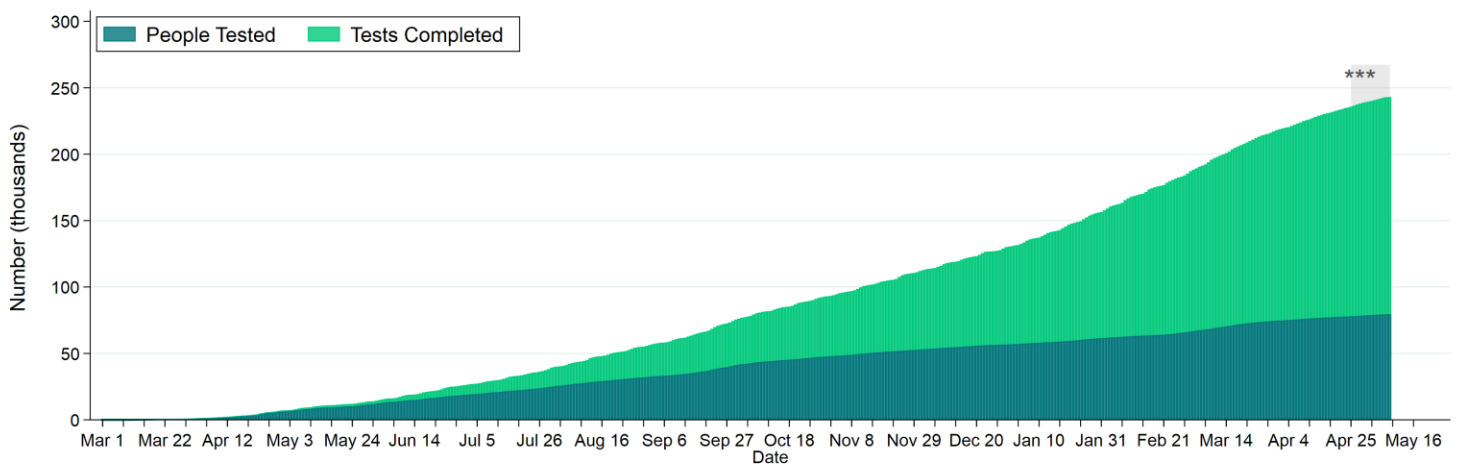
**FIGURE 7. Number of tests and people tested in Sudbury and districts, March 1, 2020 to May 8, 2021**



Data source: COVID-19 Testing Report (SAS Visual Analytics), Ministry of Health, May 10, 2021

\*\*\* Preliminary data

**FIGURE 8. Cumulative number of tests and people tested in Sudbury and districts, March 1, 2020 to May 8, 2021**



Data source: COVID-19 Testing Report (SAS Visual Analytics), Ministry of Health, May 10, 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 **40** COVID-19 outbreaks in area facilities.
- Of the declared outbreaks, **3** 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
Health Sciences North	Hospital	Fourth floor South	April 23	-
Sudbury Jail	Congregate setting	Entire Facility	April 29	-
Health Sciences North	Hospital	Sixth floor South	May 4	-

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**

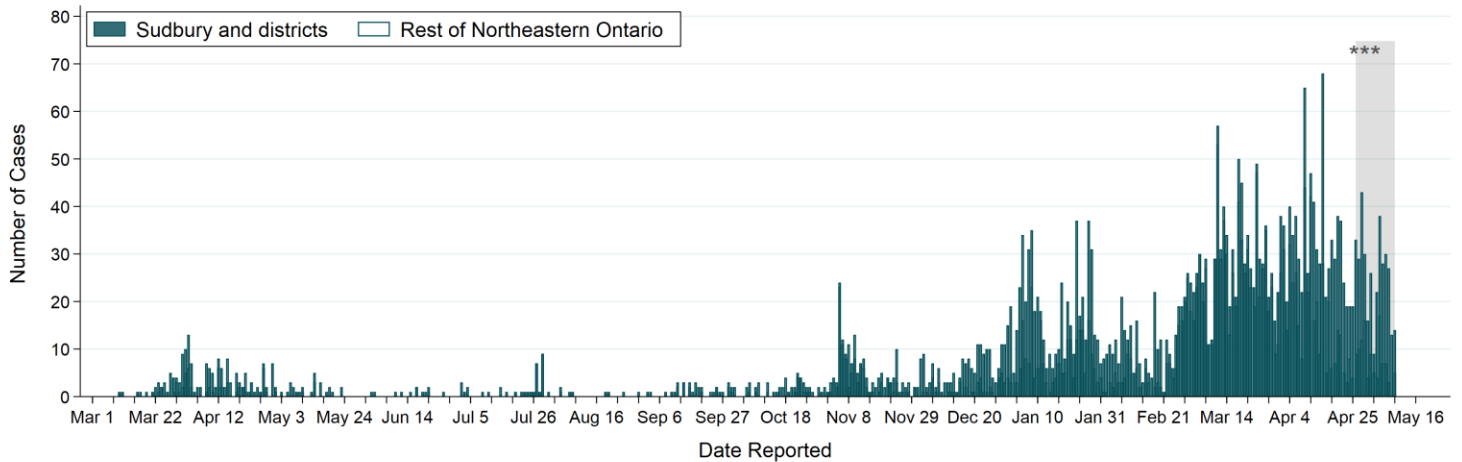
There have been no active outbreaks in the past 7 days.

Data Source: Public Health Sudbury & Districts



# Regional Context

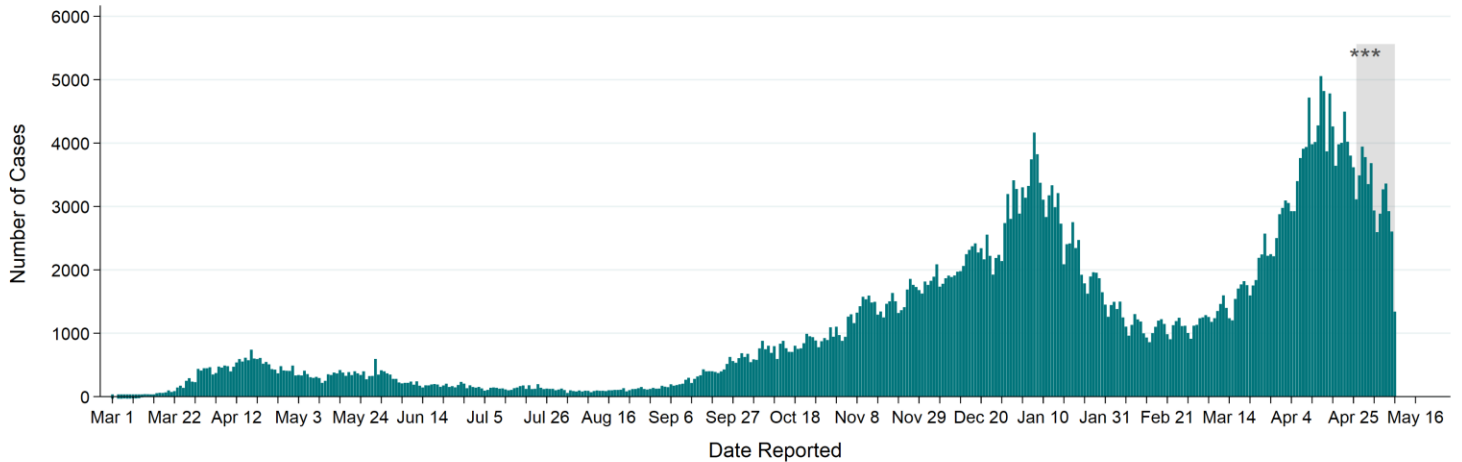
**FIGURE 9. Confirmed cases, by date of reporting, Sudbury and districts and Northeastern Ontario**



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 10, 2021)

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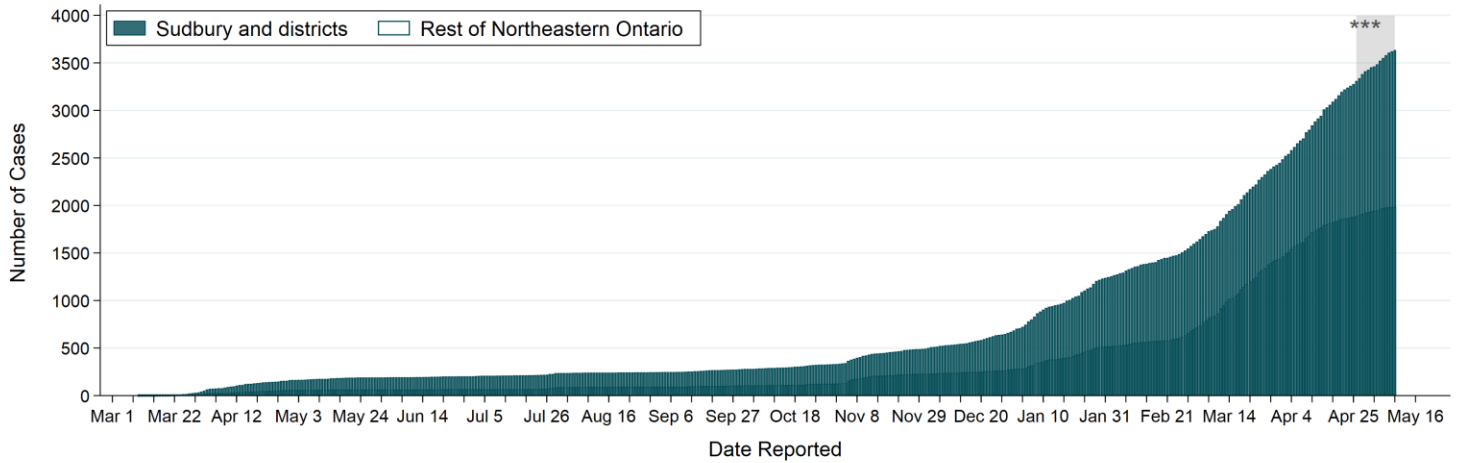
**FIGURE 10. Confirmed cases, by date of reporting, Ontario**



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 10, 2021)

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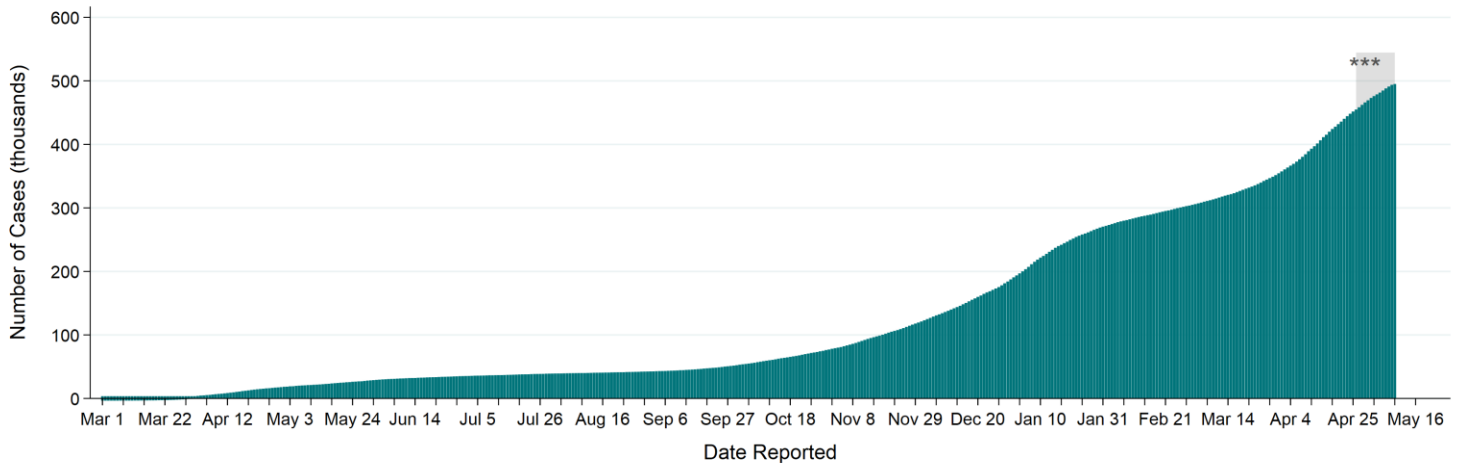
**FIGURE 11. Cumulative confirmed cases, by date of reporting, Sudbury and districts and Northeastern Ontario**



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 10, 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 10, 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	1,286,666	3,422.9	80,789	214.9	1,205,877	93.7%	24,626	1.9%	May 9
Ontario	495,019	3,376.6	31,991	218.2	463,028	93.5%	8,327	1.7%	May 9
Northern Ontario	7,725	969.4	383	48.1	7,342	95.0%	133	1.7%	May 7
Northeastern Ontario	3,603	644.1	275	49.2	3,328	92.4%	64	1.8%	May 7
Public Health Sudbury & Districts	2,011	1,011.3	77	38.7	1,934	96.2%	28	1.4%	May 9

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	32,642,733	86,840	Not Available	Not Available	Not Available	Not Available	May 9
Ontario	12,809,969	87,379	3.8%	5,059,966	34,515	9.8%	May 8
Northern Ontario	883,807	110,904	0.9%	290,367	36,437	2.7%	May 8
Northeastern Ontario	612,726	109,531	0.7%	197,237	35,258	1.8%	May 8
Public Health Sudbury & Districts	243,014	122,208	0.9%	79,430	39,944	2.5%	May 8

Data source: Statistics Canada, Government of Canada COVID-19 Update; COVID-19 Testing Report (SAS Visual Analytics), Ontario Ministry of Health, May 10, 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.