

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 April 07, 2021**, unless otherwise specified.

Highlights

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

- **1600 cases** of COVID-19.
 - **482 (30.1%) 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.
- **23 deaths**.
 - The *case fatality rate* is 1.5% (i.e., $Total\ Deaths / Total\ Cases \times 100\%$).
- **220,840 tests** for COVID-19 completed as of end of day on April 6, 2021. Note: this includes preliminary counts of tests completed in the previous 6 days.
 - The *testing rate* is 111,057 tests per 100,000 population.
 - The percent of tests that are positive is 0.8%. (i.e., $Total\ Positive\ Tests / Total\ Tests \times 100\%$). Note: an individual may have more than one test completed.

Of the cases:

- 1316 cases (82.3%) are resolved, and there are 265 active cases (16.6%).
- 639 cases (39.9%) were female. Note: Sex is not specified for cases 19 aged years and under.
- 903 cases (56.4%) 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.
- 243 cases (15.2%) had no known epidemiological link (unknown exposure).
- 175 cases (10.9%) were related to 37 outbreaks in congregate settings. There have been 15 COVID-related deaths in these facilities.

- There have been 19 outbreaks declared in local schools and licensed daycares.

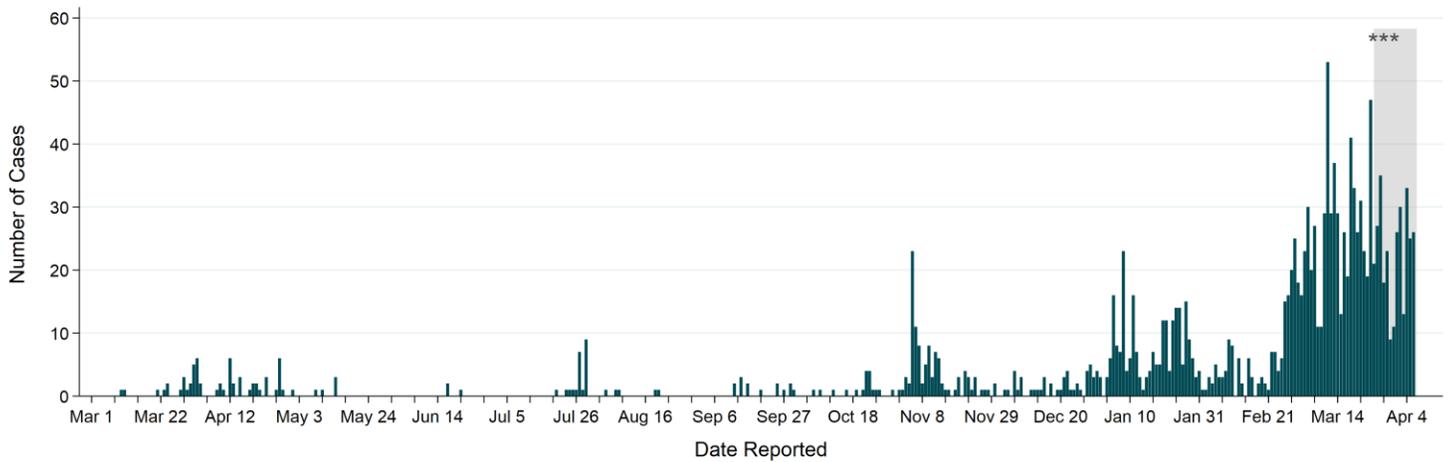
Epidemiology – Sudbury and Districts

Total cases as of April 07, 2021 at 4:00 PM: **1600 Cases**

Cases over time

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

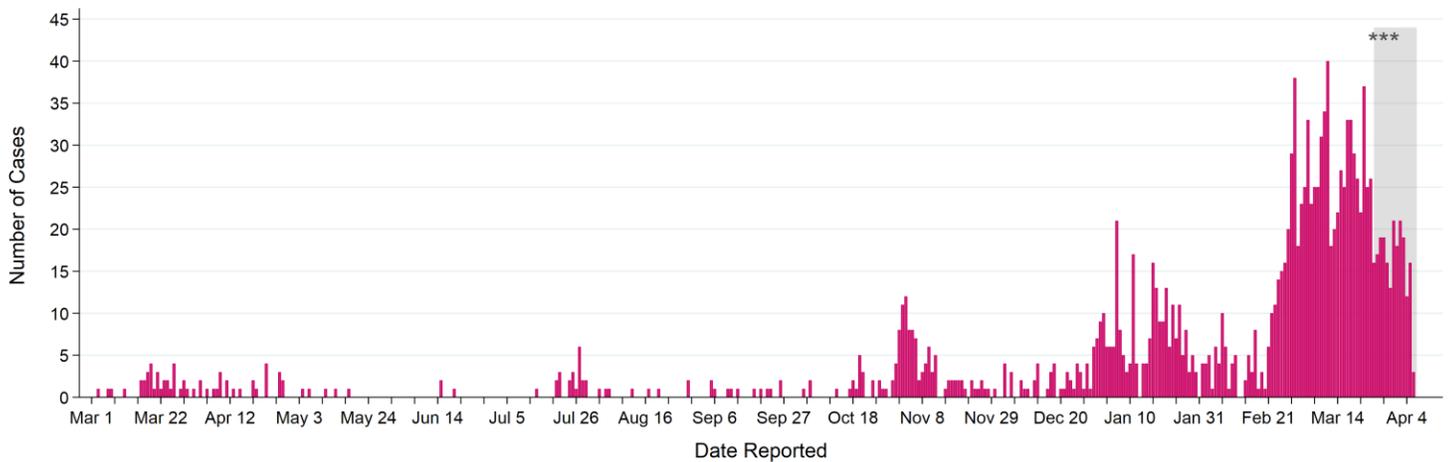
FIGURE 1. Confirmed cases, by date of reporting, Sudbury and districts



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: April 08, 2021)

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

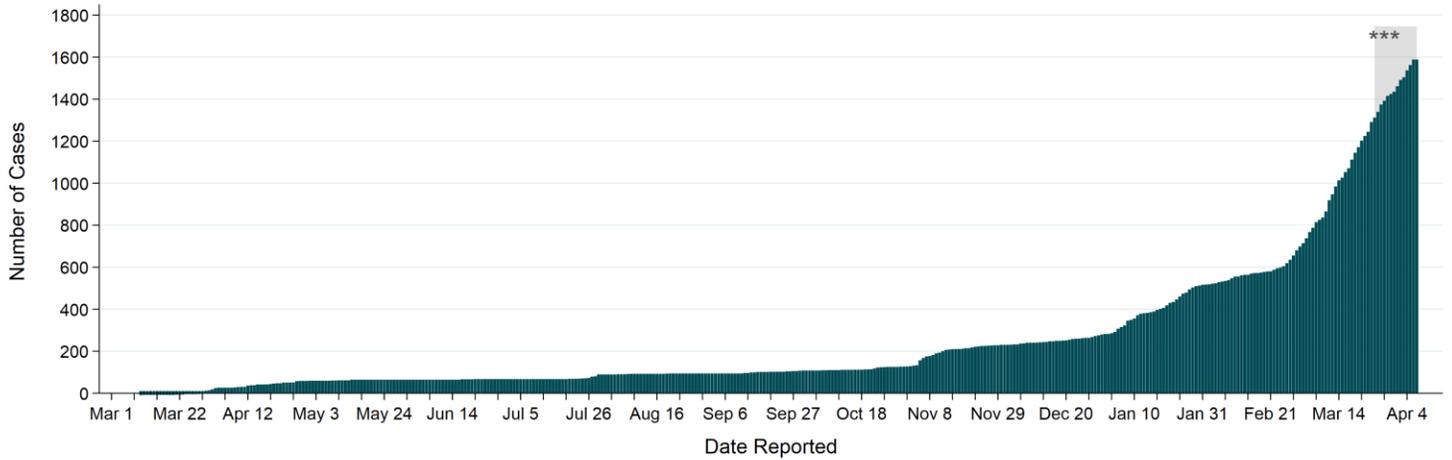
FIGURE 2. Confirmed cases, by date of symptom onset, Sudbury and districts



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: April 08, 2021)

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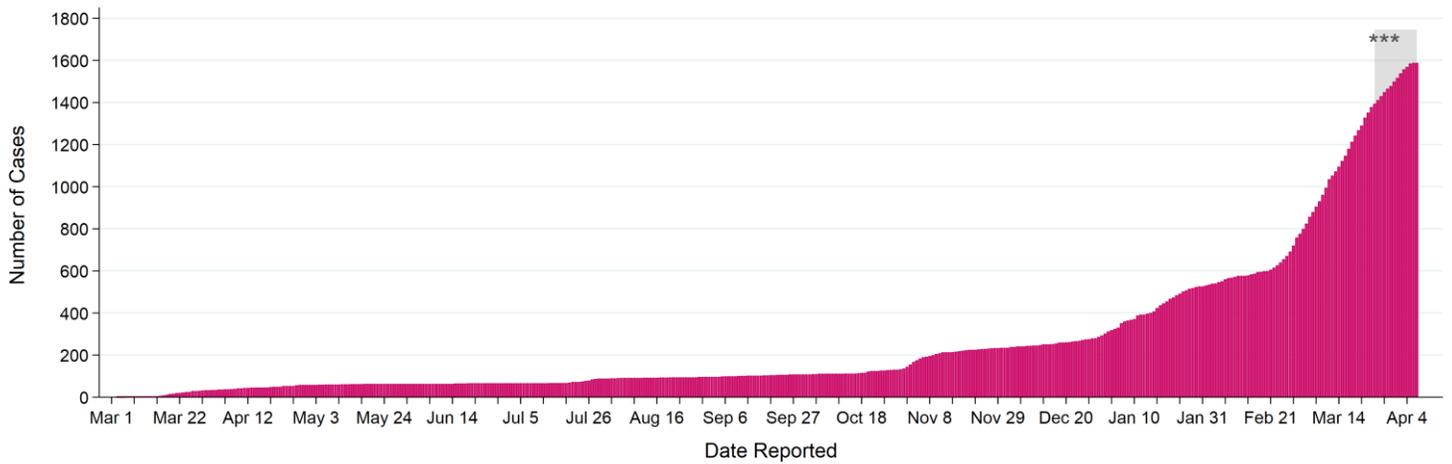
FIGURE 3. Cumulative confirmed cases, by date of reporting, Sudbury and districts



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: April 08, 2021)

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



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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	1600	100%	164	100%
Change from previous report	161	11.2%*	8	5.1%*
Cases testing positive for a variant of concern (VOC)	482	30.1%	60	36.6%
Sex: Male	606	37.9%	61	37.2%
Sex: Female	639	39.9%	73	44.5%
Sex: Not specified**	354	22.1%	29	17.7%
Ages: 19 and under	360	22.5%	31	18.9%
Ages: 20-39	543	33.9%	60	36.6%
Ages: 40-59	405	25.3%	45	27.4%
Ages: 60-79	210	13.1%	21	12.8%
Ages: 80 and over	81	5.1%	6	3.7%
Ages: Not specified**	0	0.0%	0	0.0%
Area: Greater Sudbury	1507	94.2%	147	89.6%
Area: Manitoulin District	34	2.1%	3	1.8%
Area: Sudbury District	59	3.7%	14	8.5%

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	1600	1316	82.3%	265	16.6%	23	1.5%
Ontario	374,112	346,053	92.5%	28,059	7.5%	7,494	2.0%

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

Probable Exposure

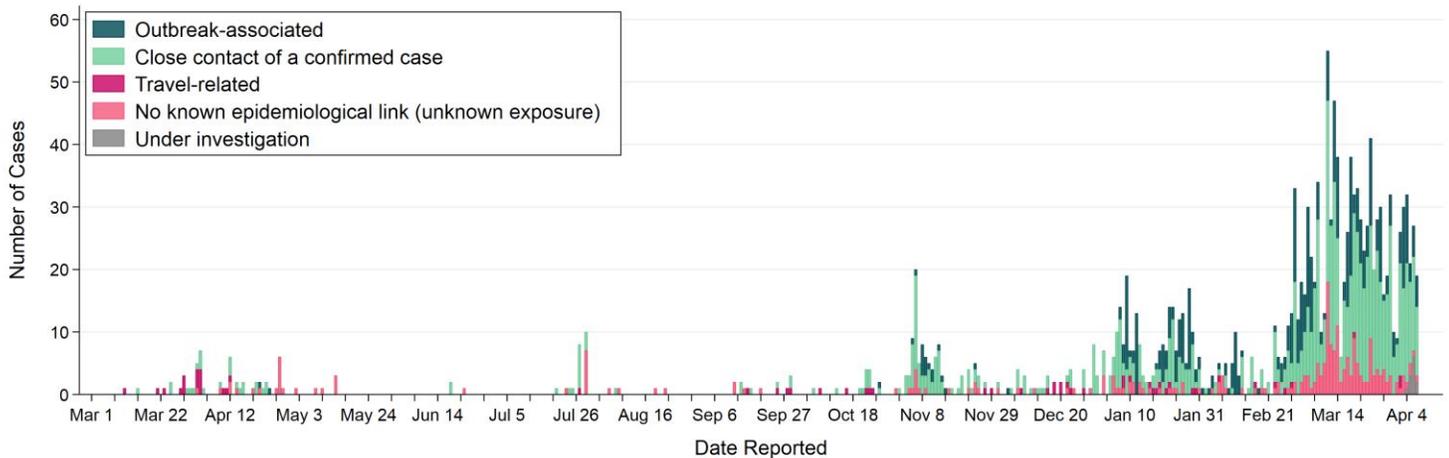
Note: Exposure categories have been revised to better align with categories reported provincially.

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

Exposure	Cases - Total	Percentage (%)	Cases - Past week	Percentage (%)
Outbreak-associated	424	26.5%	43	26.2%
Close contact of a confirmed case	864	54.0%	96	58.5%
Travel-related	57	3.6%	2	1.2%
No known epidemiological link (unknown exposure)	243	15.2%	11	6.7%
Under investigation	12	0.8%	12	7.3%

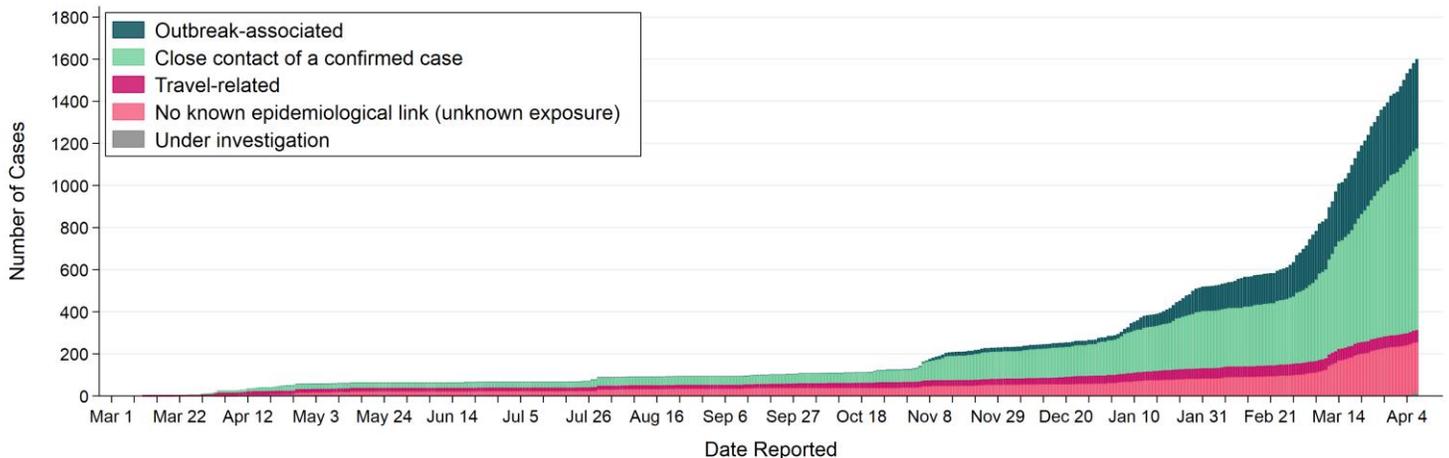
Data Source: Public Health Sudbury & Districts

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



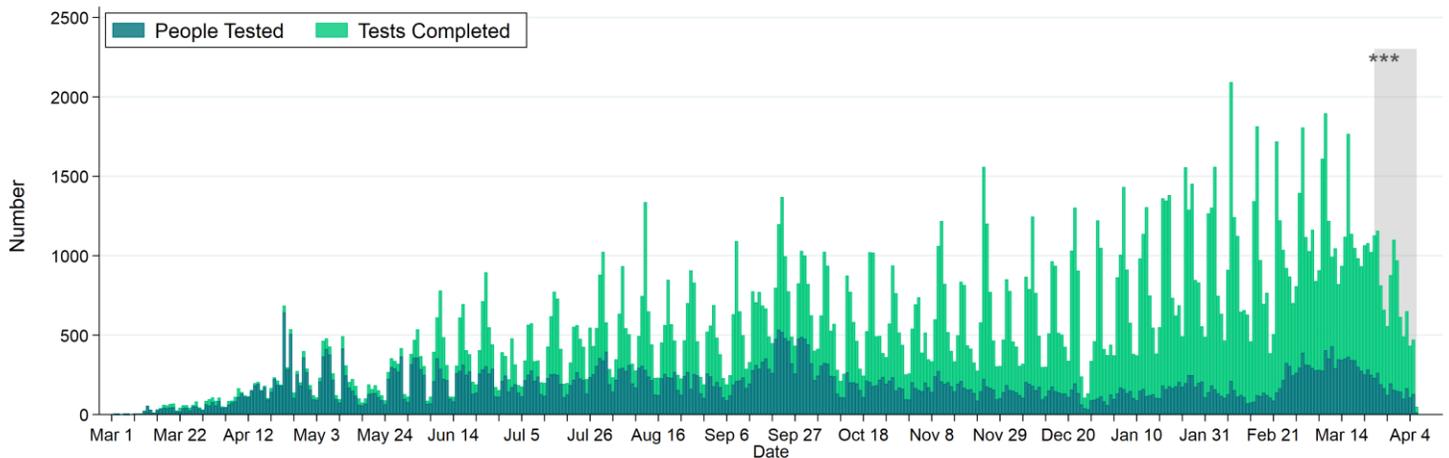
Data source: Public Health Sudbury & Districts

Testing

Total number of tests for COVID-19 as of end of day on April 6, 2021: **220,840 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.

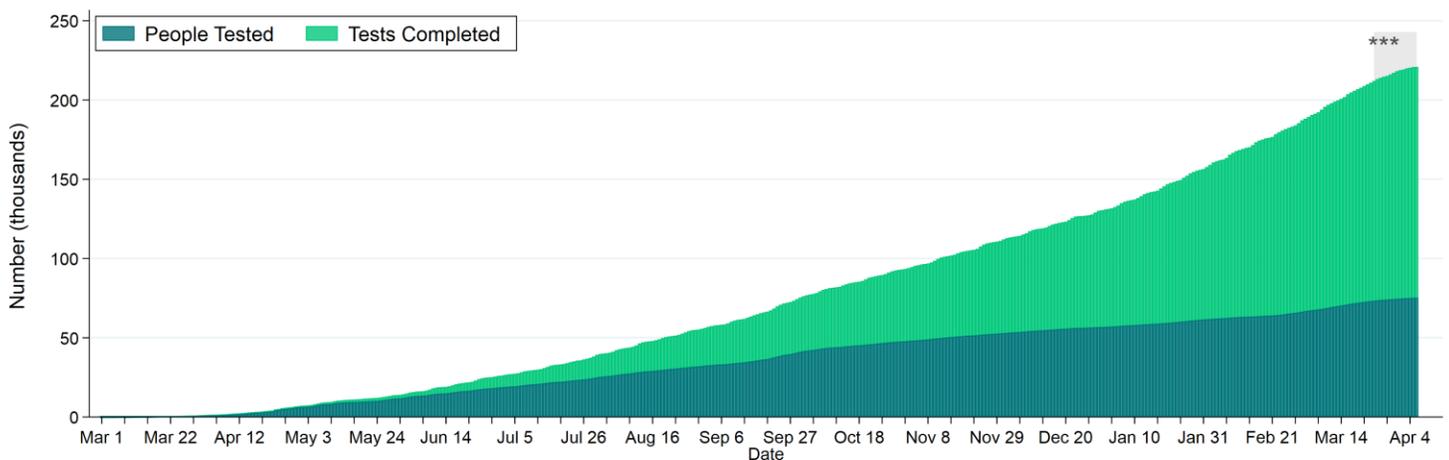
FIGURE 7. Number of tests and people tested in Sudbury and districts, March 30 to April 6, 2021



Data source: COVID-19 Testing Report (SAS Visual Analytics), Ministry of Health, April 08, 2021

*** Preliminary data

FIGURE 8. Cumulative number of tests and people tested in Sudbury and districts, March 30 to April 6, 2021



Data source: COVID-19 Testing Report (SAS Visual Analytics), Ministry of Health, April 08, 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 **37** COVID-19 outbreaks in area facilities.
- A total of **175** cases (94 resident cases and 81 staff cases) are associated with these outbreaks. There has been **15** deaths.
- Of the declared outbreaks, **6** are currently active, and **31** 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	Total Cases
St. Gabriel Villa	Long-term care home	Facility-wide	March 12	-	14
Christian Horizons	Congregate setting	Facility-wide	March 15	-	11
Salvation Army Cedar Place Shelter, YMCA Warming Centre, and Support Agencies	Shelter	Facility-wide	March 16	-	9
Health Sciences North	Hospital	Seventh floor B North	March 16	April 7	9
Extendicare Falconbridge	Long-term care home	Facility-wide	March 20	April 3	2
Sudbury Developmental Services	Congregate setting	Facility-wide	April 1	-	3
Health Sciences North	Hospital	Sixth floor North	April 3	-	3
St. Joseph's Villa	Long-term care home	Hillcrest Wing	April 5	-	1

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 **19** 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.

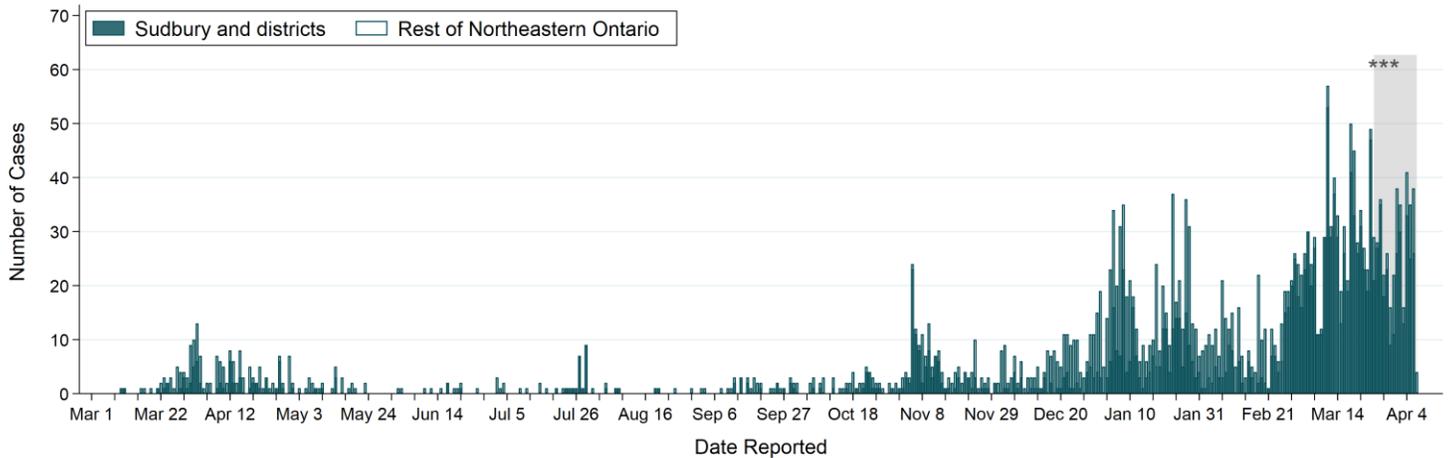
TABLE 5. Summary of recent outbreaks in schools and licensed daycares, Sudbury and districts

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

Data Source: Public Health Sudbury & Districts

Regional Context

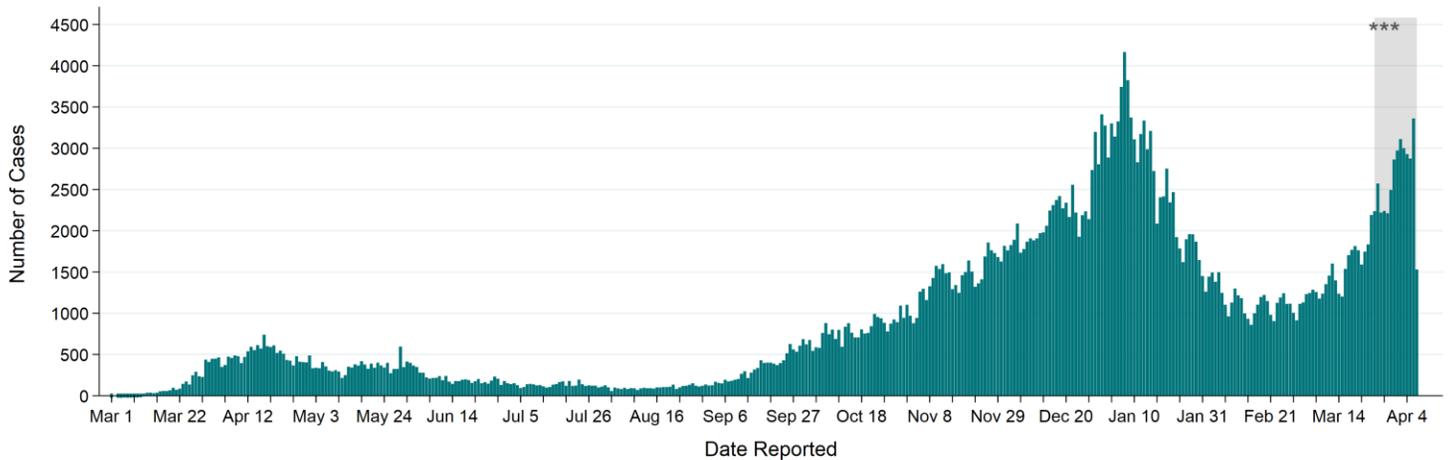
FIGURE 9. Confirmed cases, by date of reporting, Sudbury and districts and Northeastern Ontario



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: April 08, 2021)

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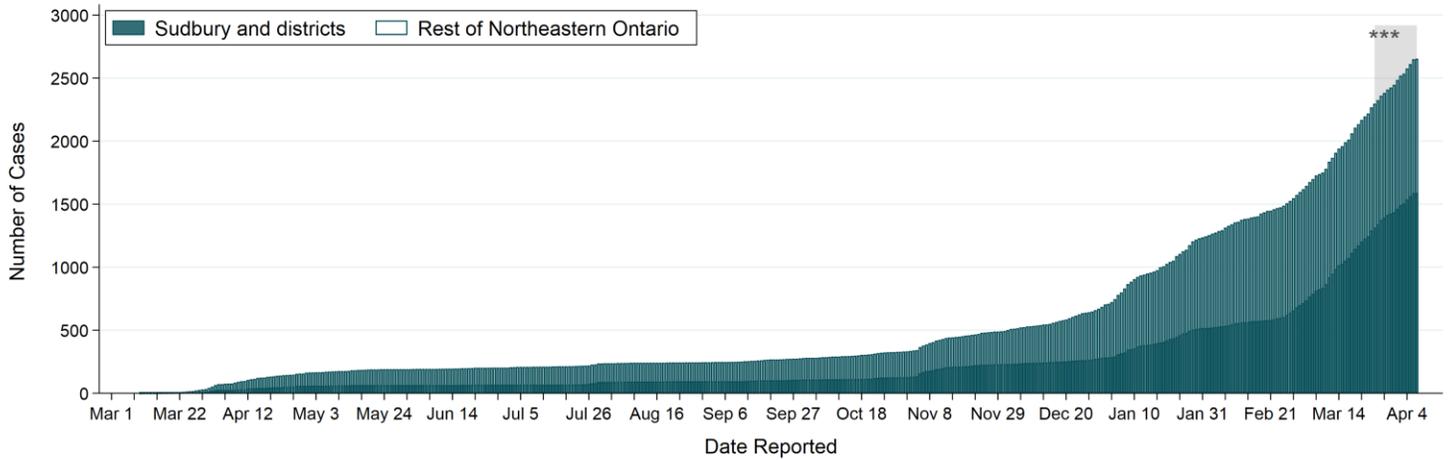
FIGURE 10. Confirmed cases, by date of reporting, Ontario



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: April 08, 2021)

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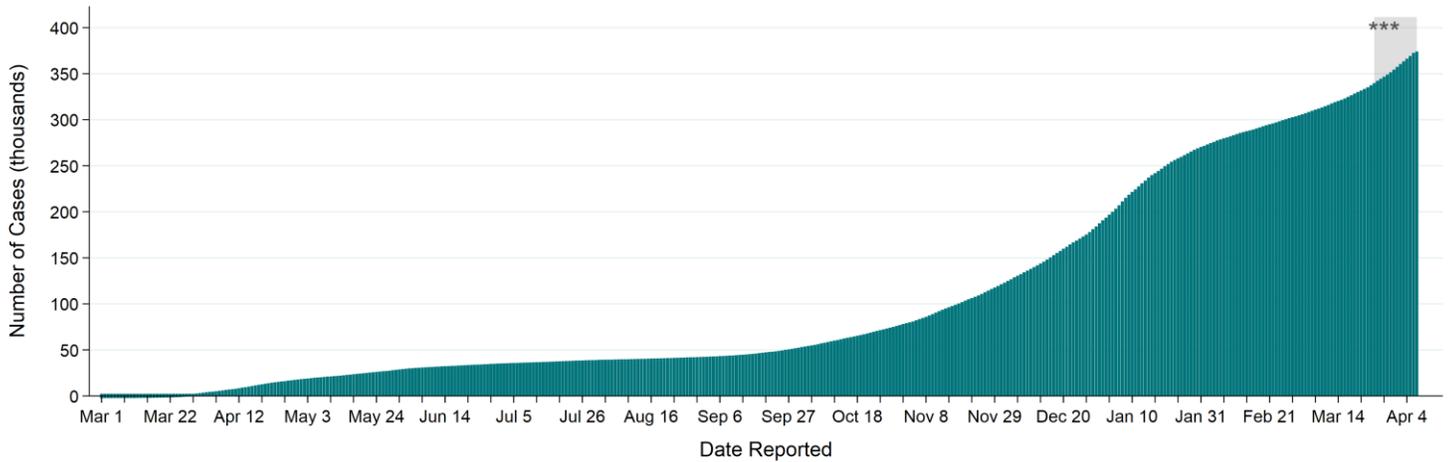
FIGURE 11. Cumulative confirmed cases, by date of reporting, Sudbury and districts and Northeastern Ontario



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



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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	1,028,041	2,734.9	62,136	165.3	965,905	94.0%	23,173	2.3%	April 7
Ontario	374,112	2,551.9	28,059	191.4	346,053	92.5%	7,494	2.0%	April 7
Northern Ontario	6,316	792.6	535	67.1	5,781	91.5%	118	1.9%	April 7
Northeastern Ontario	2,665	476.4	344	61.5	2,321	87.1%	58	2.2%	April 7
Public Health Sudbury & Districts	1,600	804.6	270	135.8	1,330	83.1%	23	1.4%	April 7

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	28,455,431	75,701	Not Available	Not Available	Not Available	Not Available	April 7
Ontario	11,375,777	77,596	3.3%	4,627,430	31,565	8.1%	April 6
Northern Ontario	807,141	101,284	0.8%	273,386	34,306	2.3%	April 6
Northeastern Ontario	559,251	99,972	0.5%	185,451	33,151	1.4%	April 6
Public Health Sudbury & Districts	220,840	111,057	0.8%	75,216	37,825	2.1%	April 6

Data source: Statistics Canada, Government of Canada COVID-19 Update; COVID-19 Testing Report (SAS Visual Analytics), Ontario Ministry of Health, April 08, 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%

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