

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 January 13, 2021**, unless otherwise specified.

Highlights

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

- **380 cases** of COVID-19.
 - 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.
- **2 deaths**.
 - The *case fatality rate* is 0.5% (i.e., $Total\ Deaths / Total\ Cases \times 100\%$).
- **137,881 tests** for COVID-19 completed as of end of day on January 12, 2021. Note: this includes preliminary counts of tests completed in the previous 6 days.
 - The *testing rate* is 69,339 tests per 100,000 population.
 - The percent of tests that are positive is 0.3%. (i.e., $Total\ Positive\ Tests / Total\ Tests \times 100\%$). Note: an individual may have more than one test completed.

Of the cases:

- 304 cases (80.0%) are resolved, and there are 76 active cases (20.0%).
- 143 cases (37.6%) were female. Note: Sex is not specified for cases 19 aged years and under.
- 225 cases (59.2%) 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.
- 71 cases (18.7%) had no known epidemiological link (unknown exposure).
- 58 cases (15.3%) were related to 15 outbreaks in long-term care homes / retirement homes. There has been 1 COVID-related death in long-term care homes.
- There have been 2 outbreaks declared in local schools and licensed daycares.

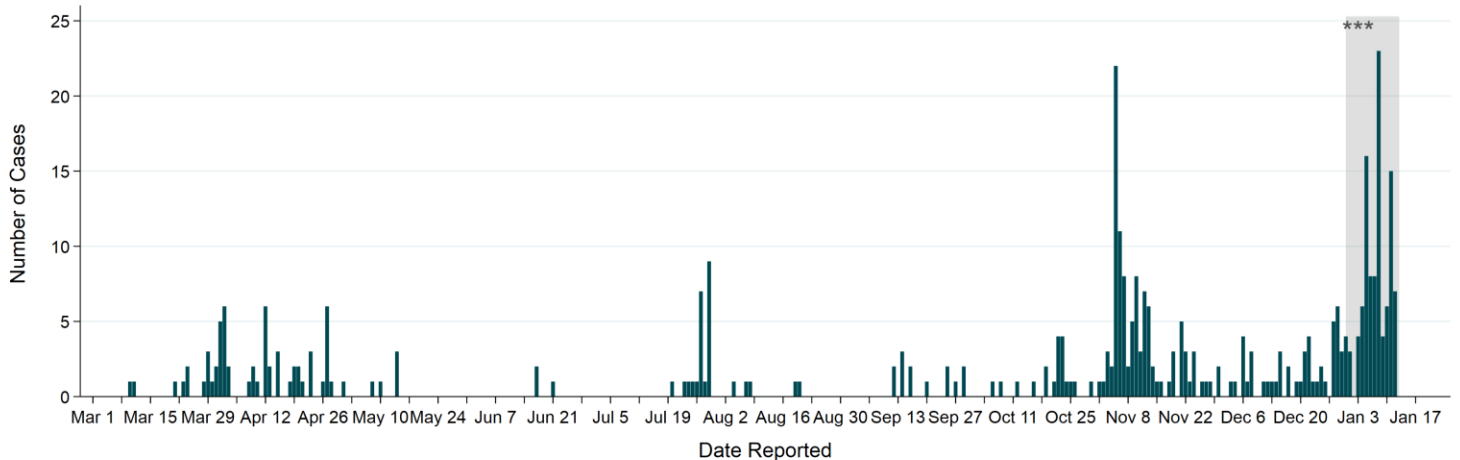
Epidemiology – Sudbury and Districts

Total cases as of January 13, 2021 at 4:00 PM: **380 Cases**

Cases over time

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

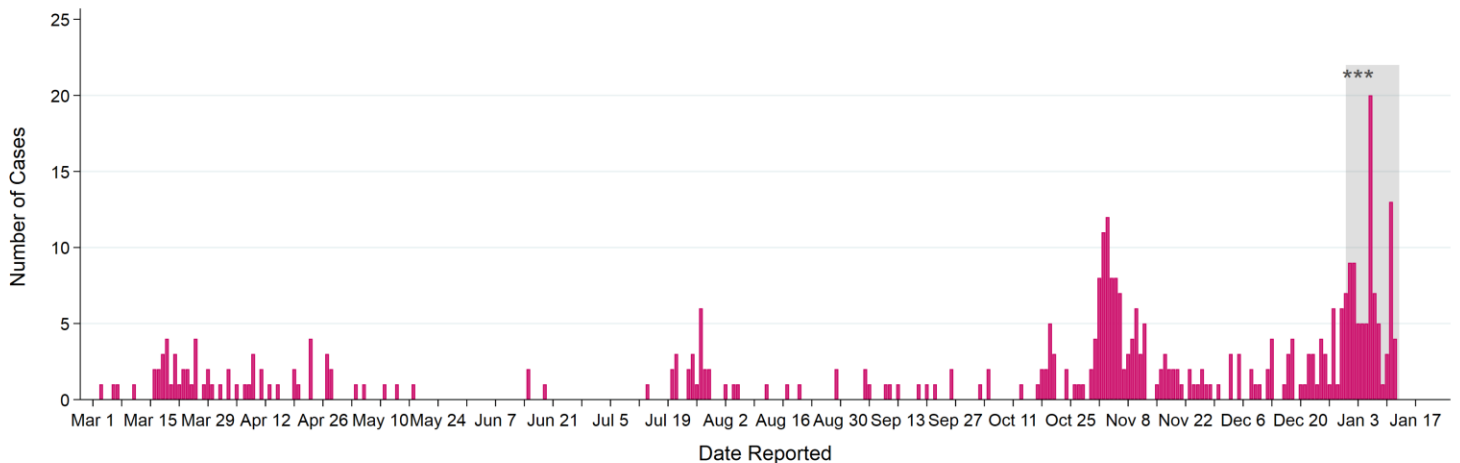
FIGURE 1. Confirmed cases, by date of reporting, Sudbury and districts



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: January 14, 2021)

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

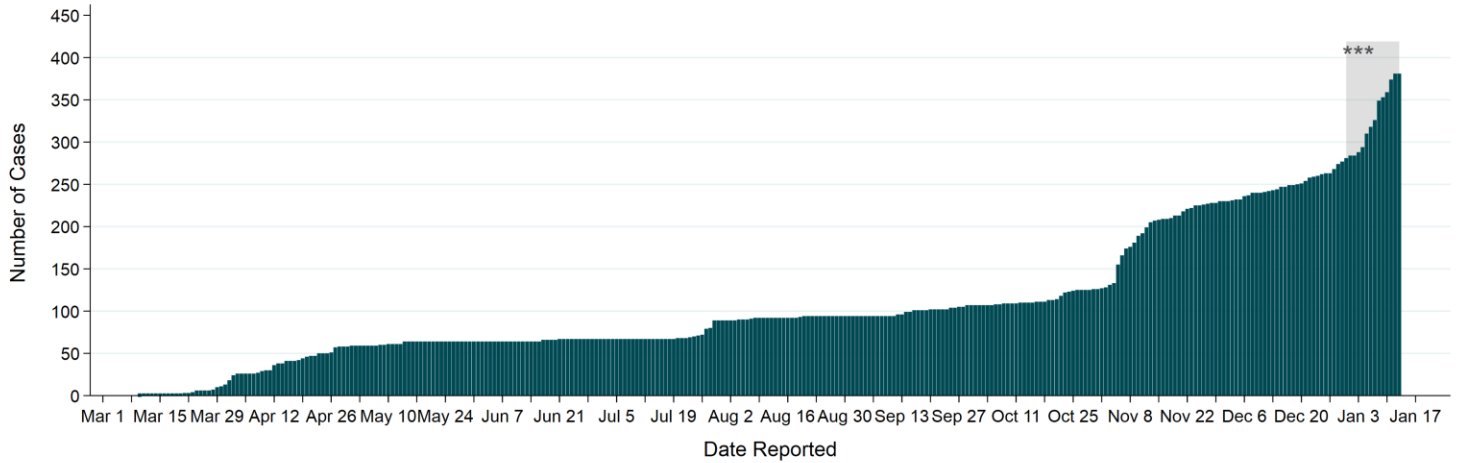
FIGURE 2. Confirmed cases, by date of symptom onset, Sudbury and districts



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: January 14, 2021)

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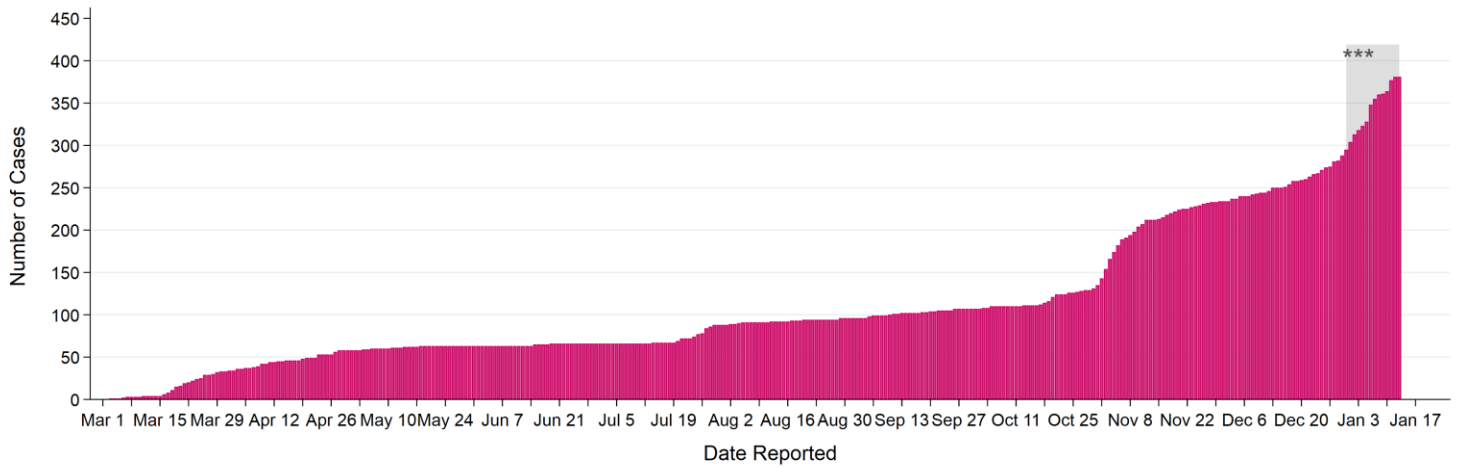
FIGURE 3. Cumulative confirmed cases, by date of reporting, Sudbury and districts



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: January 14, 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 since March 11	Percentage (%)	Cases - Past week	Percentage (%)
Numbers of Cases	380	100%	76	100%
Change from previous report	28	8.0%*	9	13.4%*
Sex: Male	176	46.3%	33	43.4%
Sex: Female	143	37.6%	37	48.7%
Sex: Not specified**	61	16.1%	6	7.9%
Ages: 19 and under	65	17.1%	7	9.2%
Ages: 20-39	160	42.1%	26	34.2%
Ages: 40-59	67	17.6%	8	10.5%
Ages: 60-79	51	13.4%	7	9.2%
Ages: 80 and over	37	9.7%	28	36.8%
Ages: Not specified**	0	0.0%	0	0.0%
Area: Greater Sudbury	339	89.2%	69	90.8%
Area: Manitoulin District	23	6.1%	5	6.6%
Area: Sudbury District	18	4.7%	2	2.6%

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	380	304	80.0%	76	20.0%	2	0.5%
Ontario	228,310	193,814	84.9%	34,496	15.1%	5,189	2.3%

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

Probable Exposure

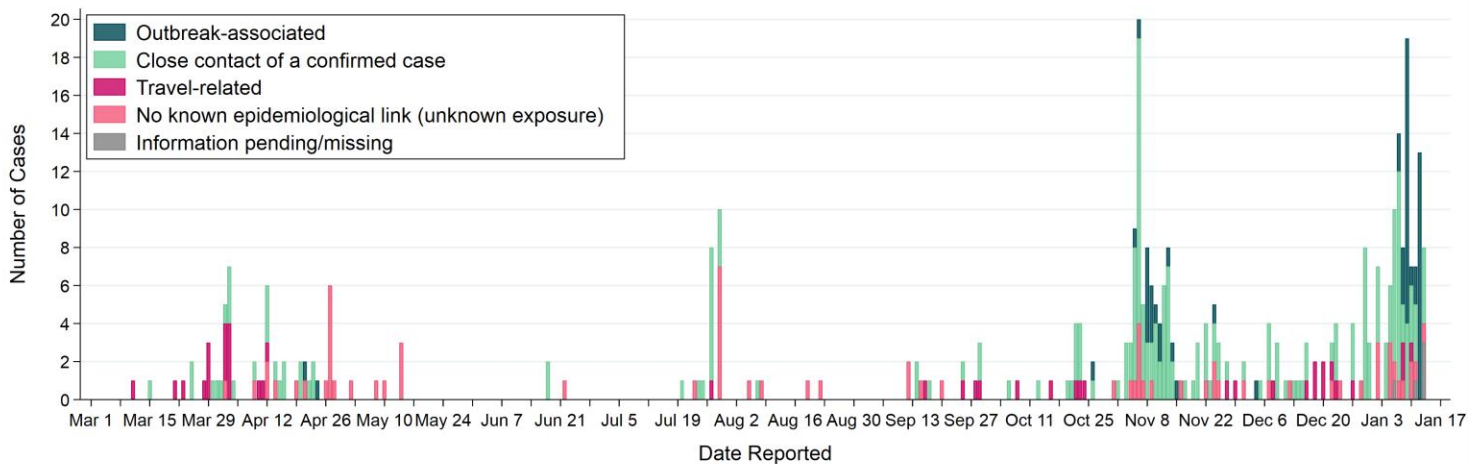
Note: Exposure categories have been revised to better align with categories reported provincially.

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

Exposure	Cases - Total	Percentage (%)	Cases - Past week	Percentage (%)
Outbreak-associated	57	15.0%	36	47.4%
Close contact of a confirmed case	206	54.2%	27	35.5%
Travel-related	41	10.8%	3	3.9%
No known epidemiological link (unknown exposure)	71	18.7%	6	7.9%
Information pending/missing	5	1.3%	4	5.3%

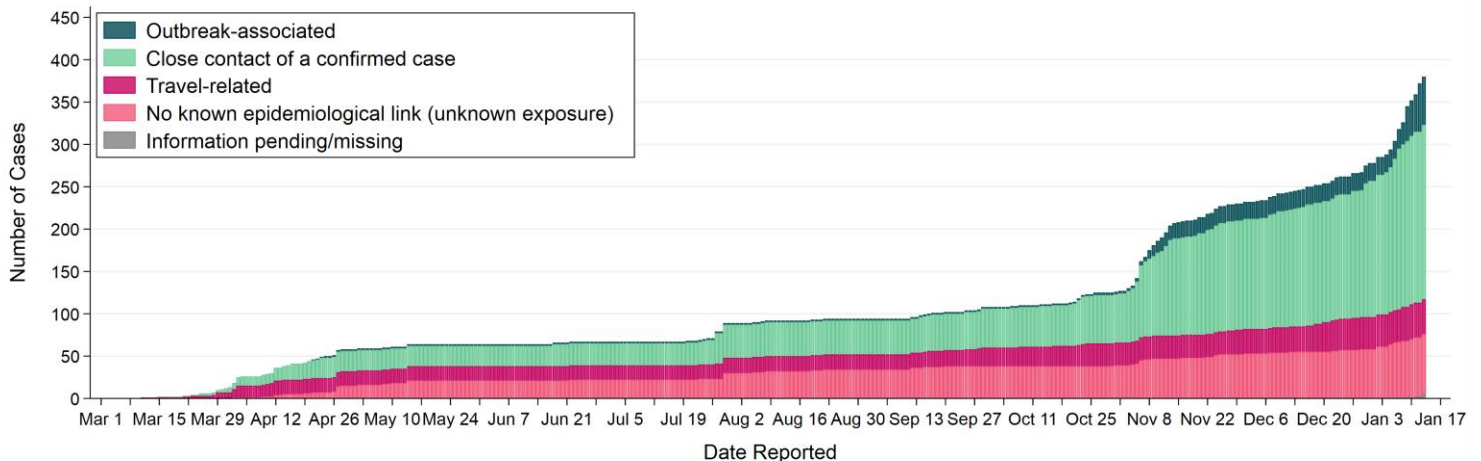
Data Source: Public Health Sudbury & Districts

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



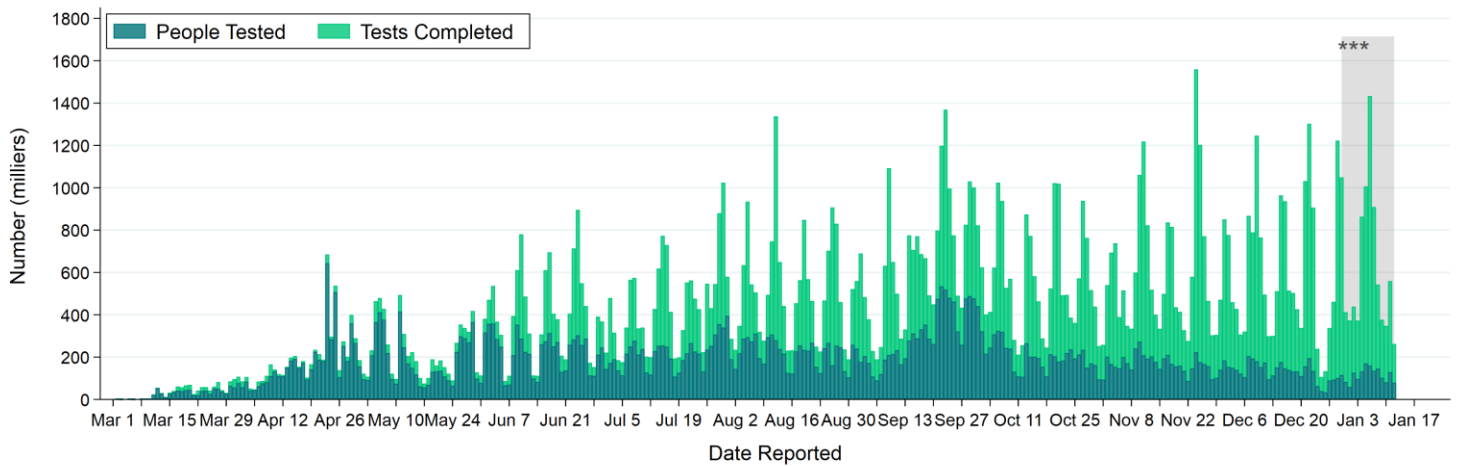
Data source: Public Health Sudbury & Districts

Testing

Total number of tests for COVID-19 as of end of day on January 12, 2021: **137,881 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.

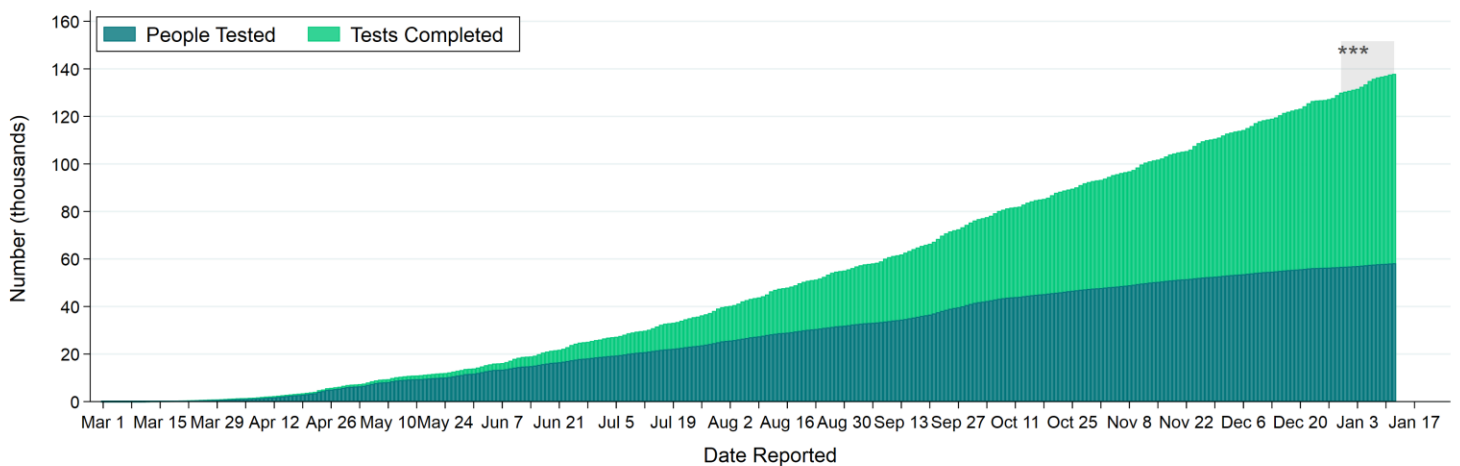
FIGURE 7. Number of tests and people tested in Sudbury and districts, March 30 to January 12, 2021



Data source: COVID-19 Testing Report (SAS Visual Analytics), Ministry of Health, January 14, 2021

*** Preliminary data

FIGURE 8. Cumulative number of tests and people tested in Sudbury and districts, March 30 to January 12, 2021



Data source: COVID-19 Testing Report (SAS Visual Analytics), Ministry of Health, January 14, 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 **15** COVID-19 outbreaks in area facilities. A total of **58** cases (38 resident cases and 20 staff cases) are associated with these outbreaks. There has been **1** death.
- Of the declared outbreaks, **1** is currently active, and **14** 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-Joseph's Villa	Long-term care home	Facility-wide	December 31	January 12	1
Amberwood Suites	Retirement Home	Facility-wide	January 5	-	35

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 **2** 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.

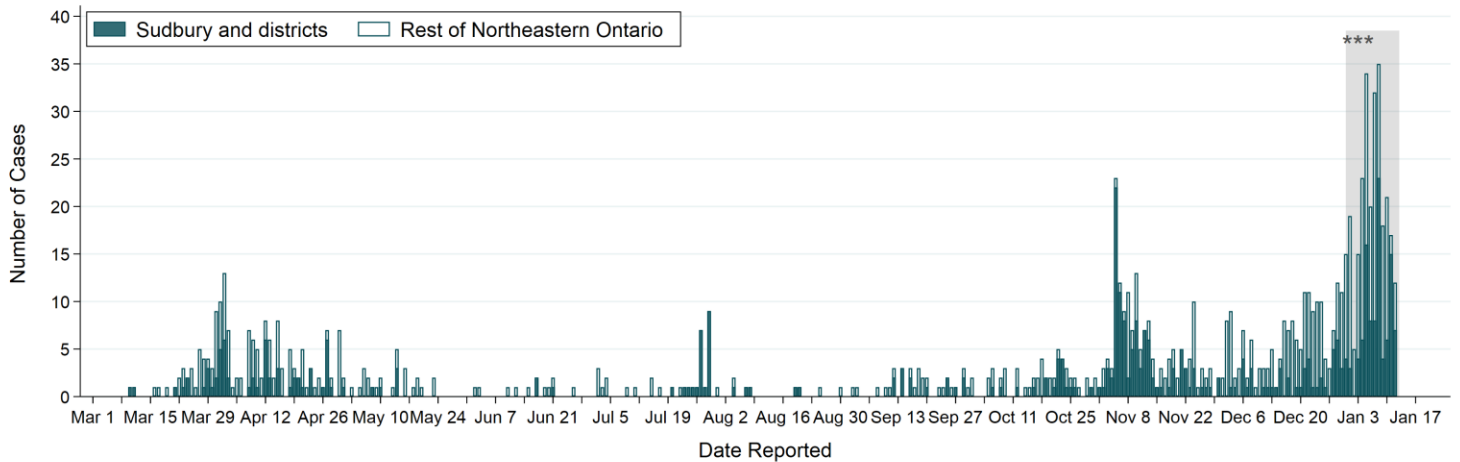
TABLE 5. Summary of recent outbreaks in schools and licensed daycares, Sudbury and districts

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

Data Source: Public Health Sudbury & Districts

Regional Context

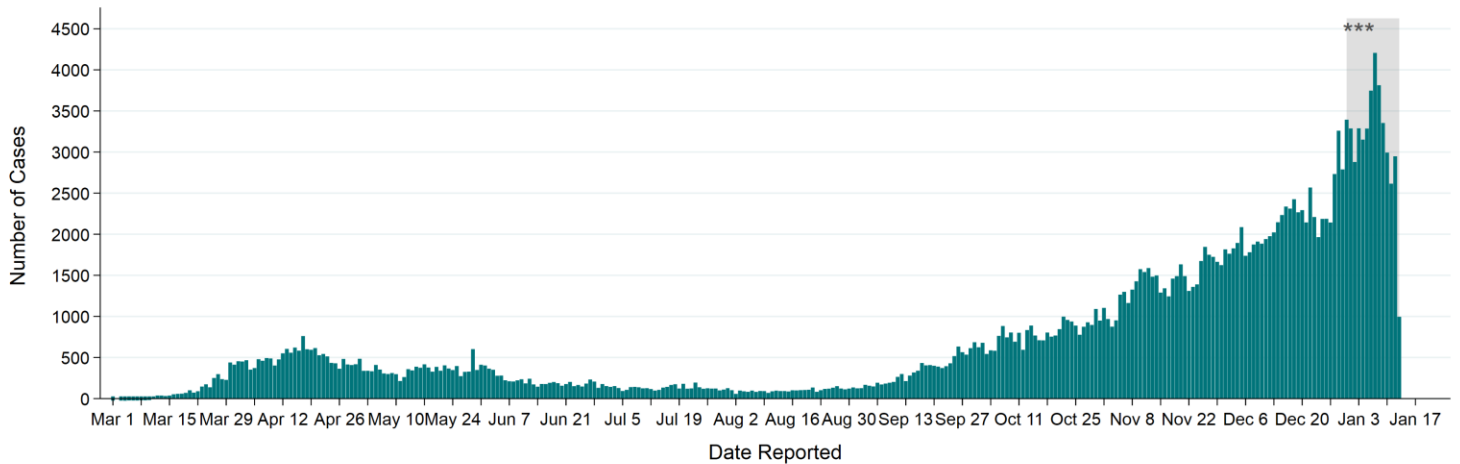
FIGURE 9. Confirmed cases, by date of reporting, Sudbury and districts and Northeastern Ontario



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: January 14, 2021)

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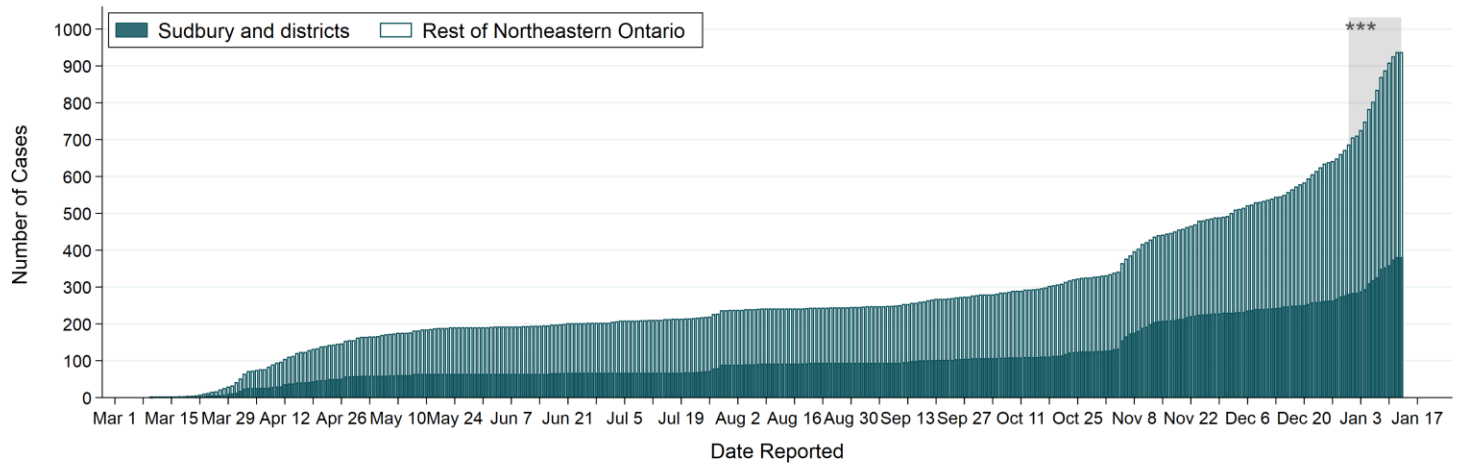
FIGURE 10. Confirmed cases, by date of reporting, Ontario



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: January 14, 2021)

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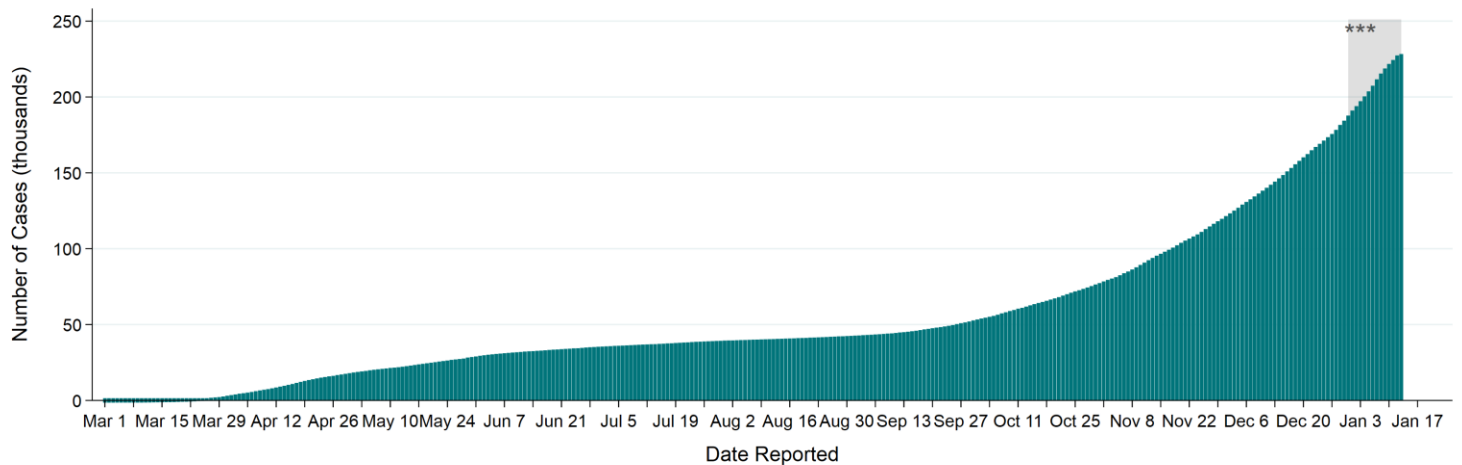
FIGURE 11. Cumulative confirmed cases, by date of reporting, Sudbury and districts and Northeastern Ontario



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: January 14, 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: January 14, 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	681,328	1,812.6	79,293	210.9	602,035	88.4%	17,383	2.6%	January 13
Ontario	228,310	1,557.3	34,496	235.3	193,814	84.9%	5,189	2.3%	January 14
Northern Ontario	1,855	232.8	274	34.4	1,581	85.2%	116	6.3%	January 13
Northeastern Ontario	940	168.0	168	30.0	772	82.1%	93	9.9%	January 13
Public Health Sudbury & Districts	380	191.1	76	38.2	304	80.0%	2	0.5%	January 13

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	Not Available	Not Available	Not Available	14,781,592	39,324	4.6%	January 13
Ontario	7,690,454	52,458	3.0%	3,679,339	25,097	6.2%	January 12
Northern Ontario	526,090	66,016	0.4%	216,537	27,172	0.9%	January 12
Northeastern Ontario	362,827	64,859	0.3%	146,488	26,186	0.6%	January 12
Public Health Sudbury & Districts	137,881	69,339	0.3%	58,179	29,257	0.7%	January 12

Data source: Statistics Canada, Government of Canada COVID-19 Update; COVID-19 Testing Report (SAS Visual Analytics), Ontario Ministry of Health, January 14, 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.