

# 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 10, 2021**, unless otherwise specified.

## Highlights

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

- **352 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 0.6% (i.e.,  $Total\ Deaths / Total\ Cases \times 100\%$ ).
- **135,699 tests** for COVID-19 completed as of end of day on January 9, 2021. Note: this includes preliminary counts of tests completed in the previous 6 days.
  - The *testing rate* is 68,241 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:

- 286 cases (81.3%) are resolved, and there are 66 active cases (18.8%).
- 130 cases (36.9%) were female. Note: Sex is not specified for cases 19 aged years and under.
- 217 cases (61.6%) 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.
- 67 cases (19.0%) had no known epidemiological link (unknown exposure).
- 43 cases (12.2%) were related to 15 outbreaks in long-term care 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.

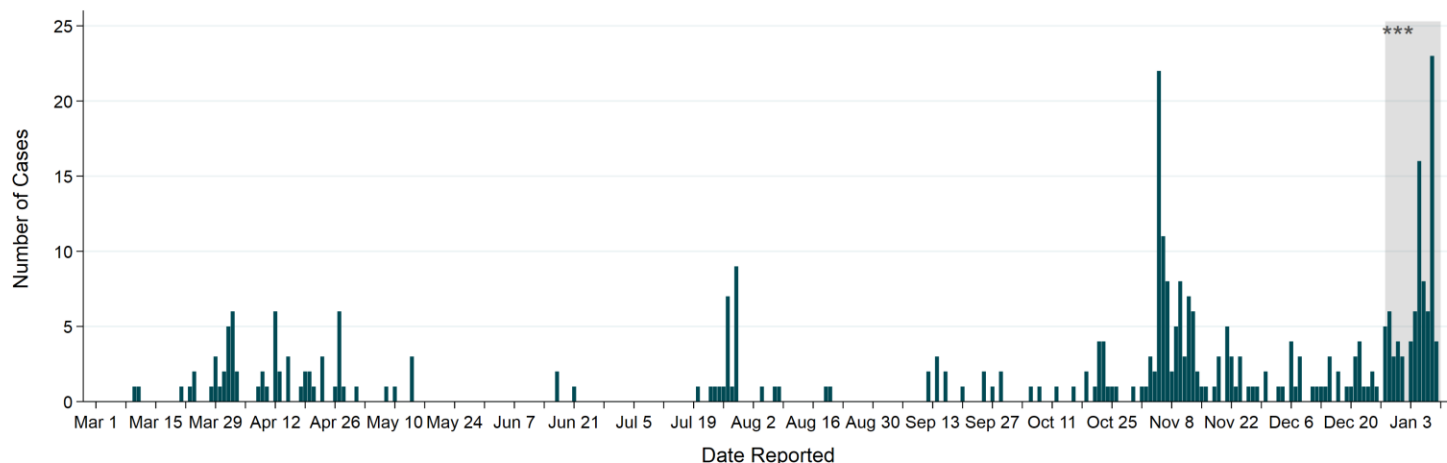
# Epidemiology – Sudbury and Districts

Total cases as of January 10, 2021 at 4:00 PM: **352 Cases**

## Cases over time

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

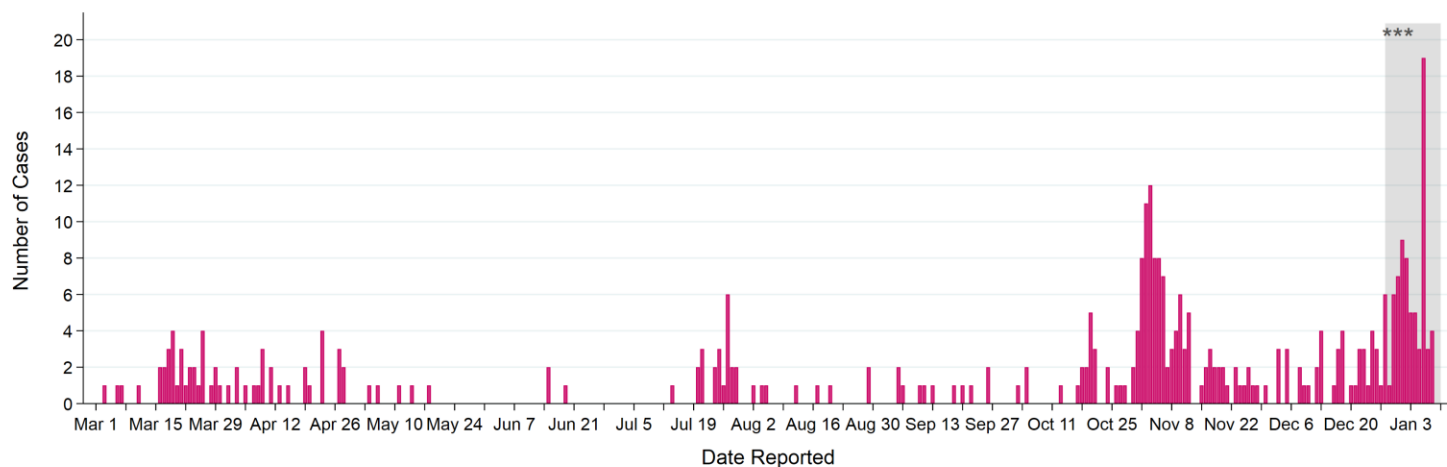
**FIGURE 1. Confirmed cases, by date of reporting, Sudbury and districts**



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 11, 2021)

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

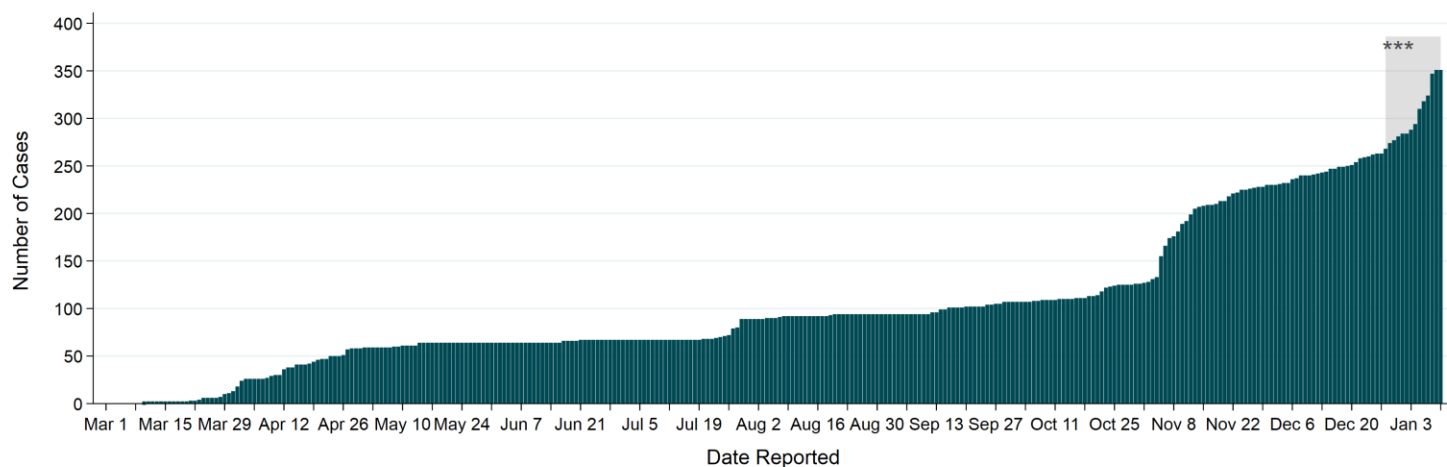
**FIGURE 2. Confirmed cases, by date of symptom onset, Sudbury and districts**



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 11, 2021)

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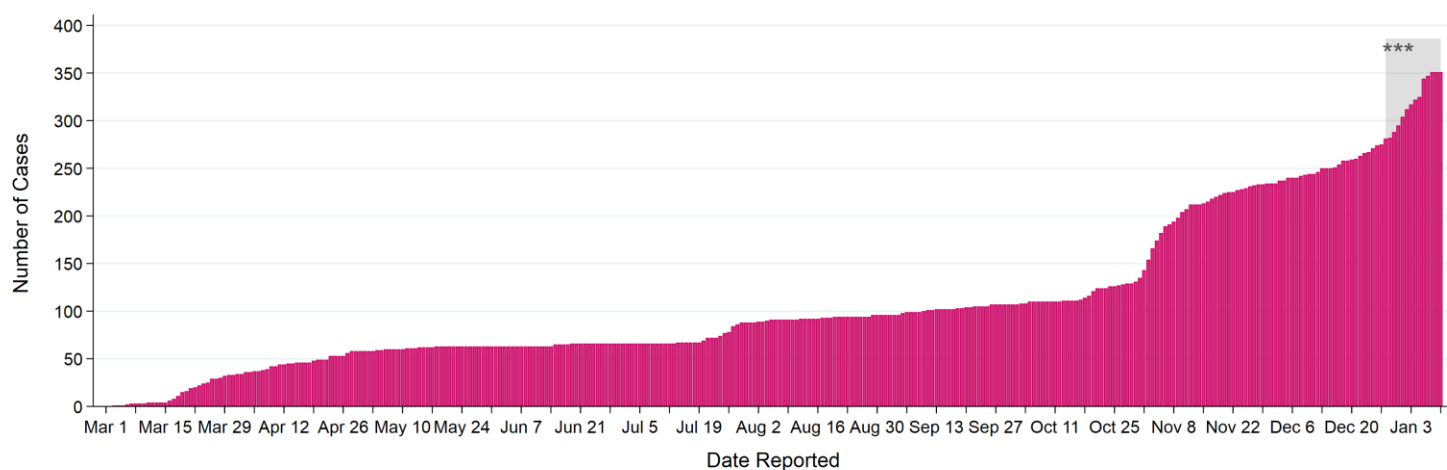
**FIGURE 3. Cumulative confirmed cases, by date of reporting, Sudbury and districts**



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 11, 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: January 11, 2021)

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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	352	100%	67	100%
Change from previous report	48	15.8%*	38	131.0%*
Sex: Male	162	46.0%	25	37.3%
Sex: Female	130	36.9%	29	43.3%
Sex: Not specified**	60	17.0%	13	19.4%
Ages: 19 and under	64	18.2%	14	20.9%
Ages: 20-39	153	43.5%	27	40.3%
Ages: 40-59	63	17.9%	5	7.5%
Ages: 60-79	48	13.6%	5	7.5%
Ages: 80 and over	24	6.8%	16	23.9%
Ages: Not specified**	0	0.0%	0	0.0%
Area: Greater Sudbury	312	88.6%	56	83.6%
Area: Manitoulin District	23	6.5%	10	14.9%
Area: Sudbury District	17	4.8%	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	352	286	81.3%	66	18.8%	2	0.6%
Ontario	219,120	183,476	83.7%	35,644	16.3%	5,012	2.3%

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

# Probable Exposure

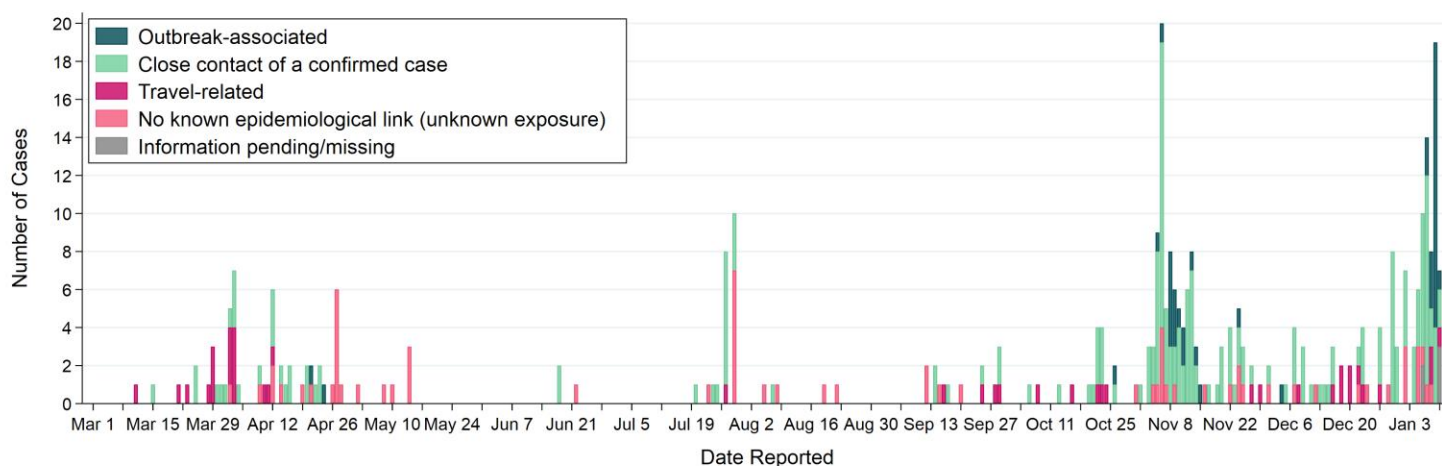
Note: Exposure categories have been revised to better align with categories reported provincially.

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

Exposure	Cases - Total	Percentage (%)	Cases - Past week	Percentage (%)
Outbreak-associated	42	11.9%	21	31.3%
Close contact of a confirmed case	197	56.0%	32	47.8%
Travel-related	41	11.6%	3	4.5%
No known epidemiological link (unknown exposure)	67	19.0%	6	9.0%
Information pending/missing	5	1.4%	5	7.5%

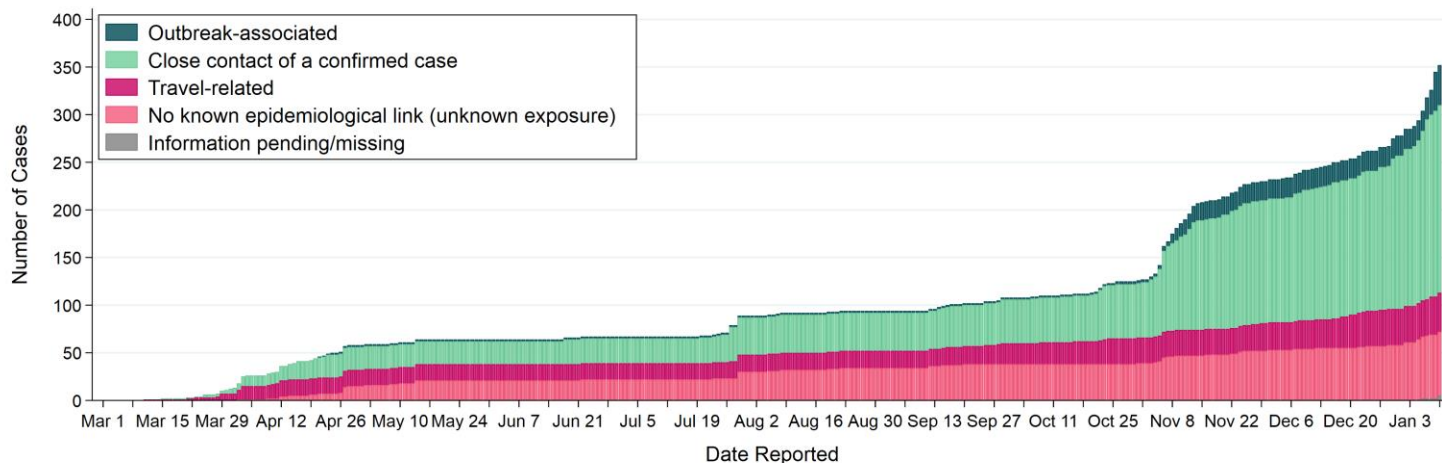
Data Source: Public Health Sudbury & Districts

**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**



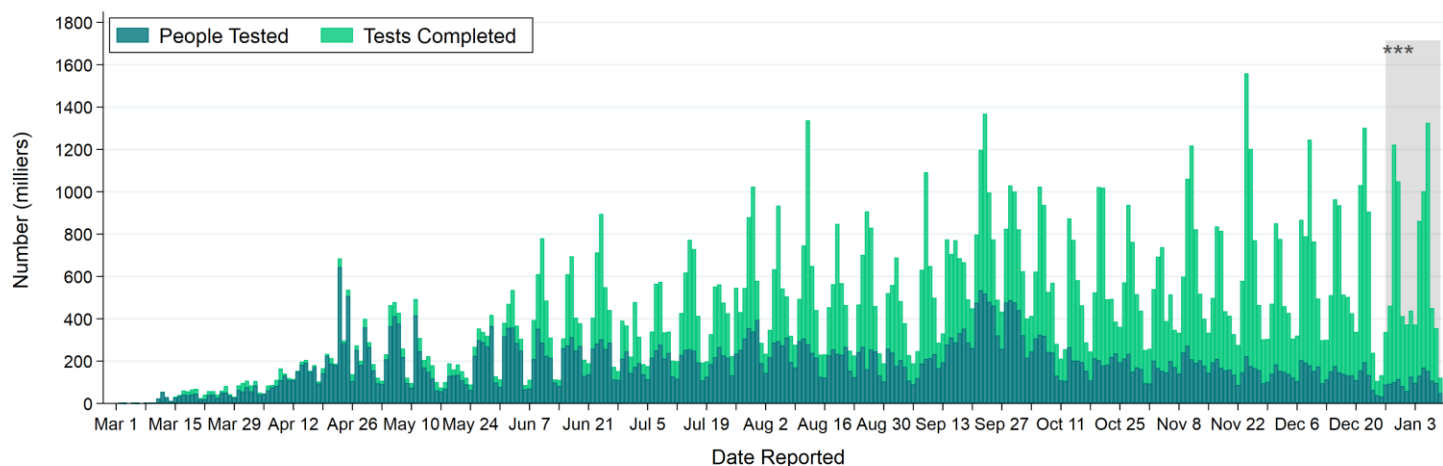
Data source: Public Health Sudbury & Districts

# Testing

Total number of tests for COVID-19 as of end of day on January 9, 2021: **135,699 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.

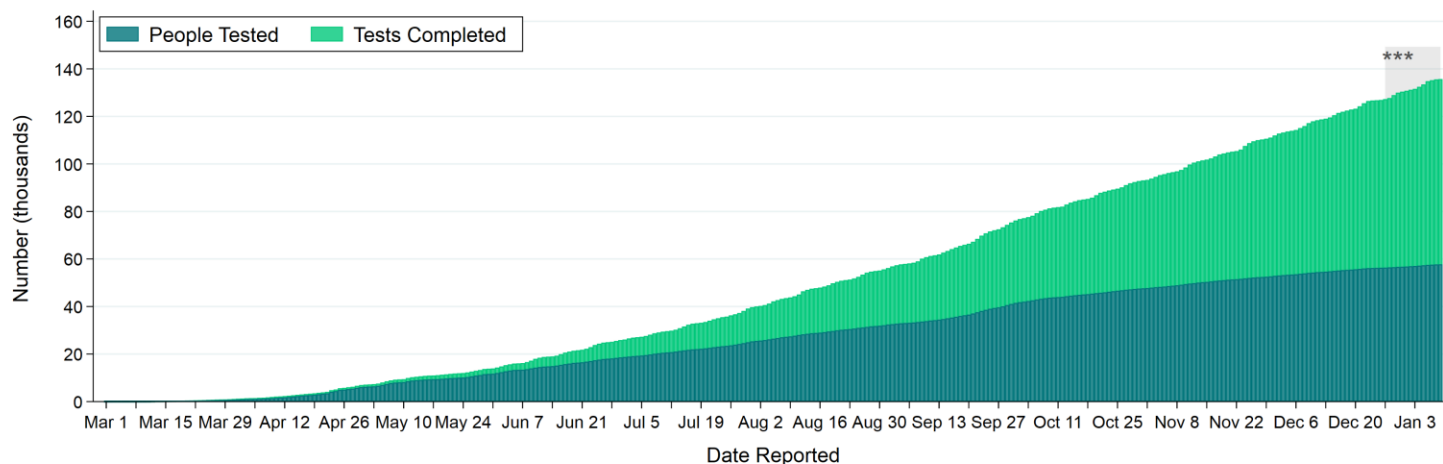
**FIGURE 7. Number of tests and people tested in Sudbury and districts, March 30 to January 9, 2021**



Data source: COVID-19 Testing Report (SAS Visual Analytics), Ministry of Health, January 11, 2021

\*\*\* Preliminary data

**FIGURE 8. Cumulative number of tests and people tested in Sudbury and districts, March 30 to January 9, 2021**



Data source: COVID-19 Testing Report (SAS Visual Analytics), Ministry of Health, January 11, 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 **43** cases (23 resident cases and 20 staff cases). One (**1**) death is associated with these outbreaks.
- Of the declared outbreaks, **2** are currently active, and **13** 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	-	1
Amberwood Suites	Retirement Home	Facility-wide	January 5	-	20

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**

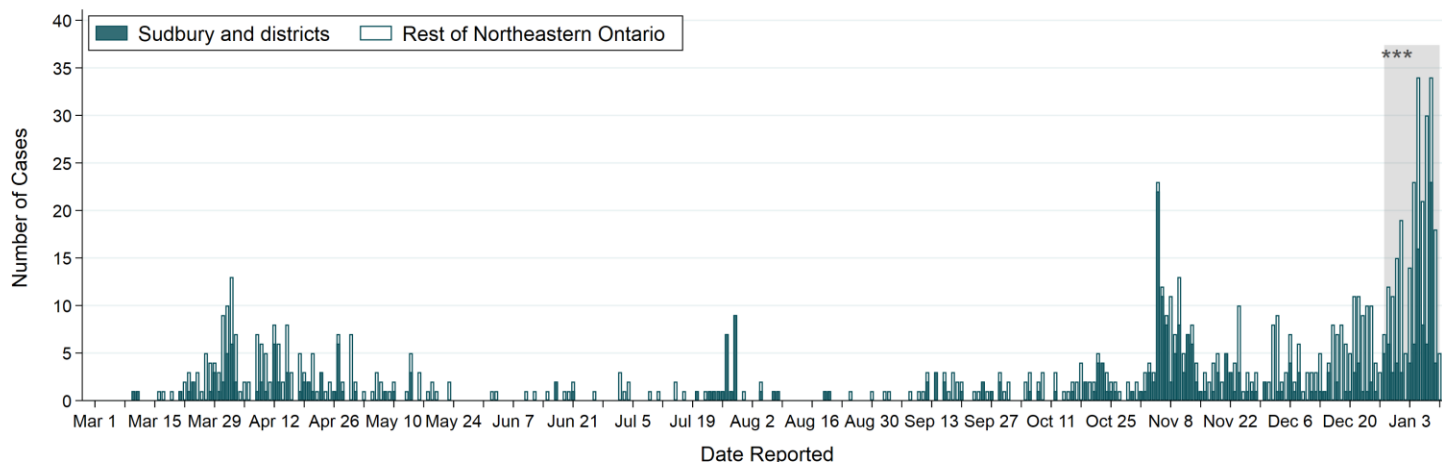
There have been no active outbreaks in the past 7 days.

Data Source: Public Health Sudbury & Districts



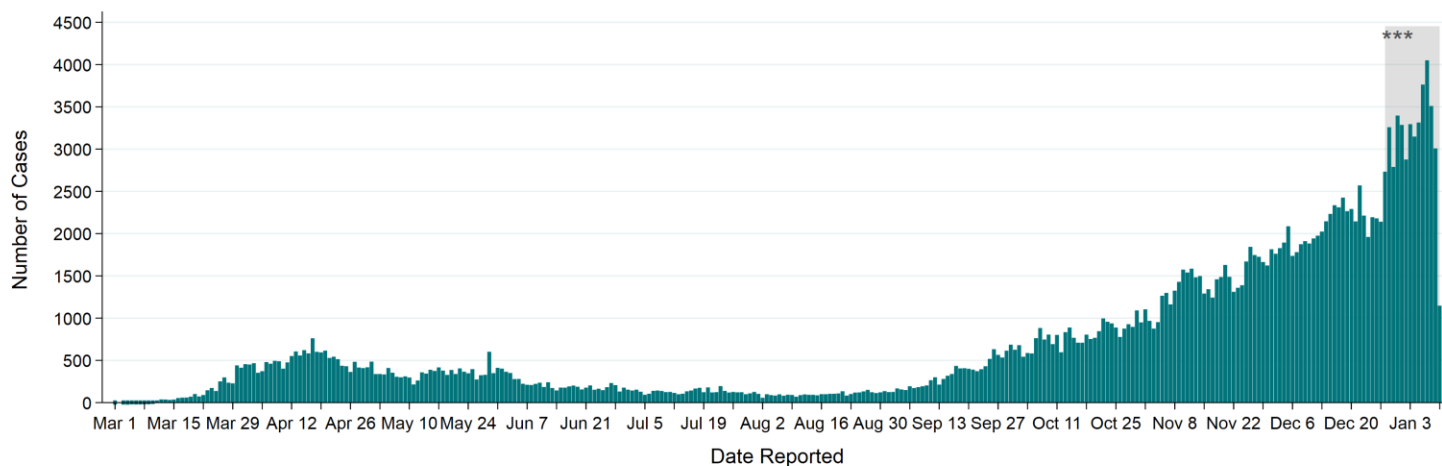
# Regional Context

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



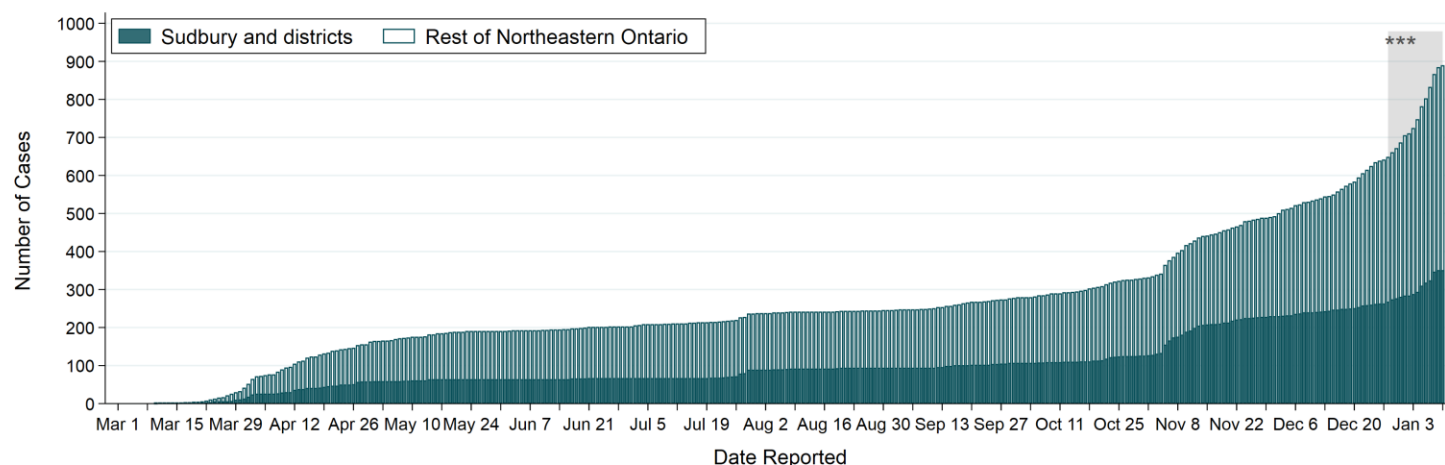
Data Source: Ontario Treasury Board Secretariat, Data Catalogue, Confirmed positive cases of COVID-19 in Ontario. <https://data.ontario.ca/dataset/confirmed-positive-cases-of-covid-19-in-ontario> (Access Date: January 11, 2021)  
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**FIGURE 10. Confirmed 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 11, 2021)  
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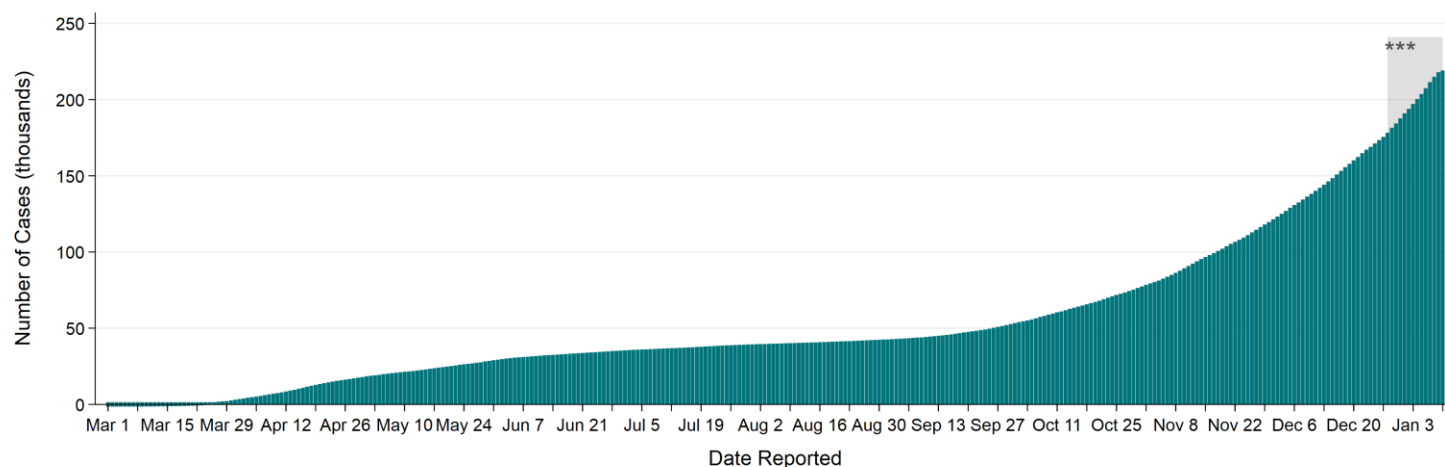
**FIGURE 11. Cumulative confirmed cases, by date of reporting, Sudbury and districts and Northeastern Ontario**



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 11, 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 11, 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	626,799	1,667.5	79,203	210.7	547,596	87.4%	16,369	2.6%	January 10
Ontario	219,120	1,494.7	35,644	243.1	183,476	83.7%	5,012	2.3%	January 10
Northern Ontario	1,664	208.8	224	28.1	1,440	86.5%	35	2.1%	January 8
Northeastern Ontario	827	147.8	136	24.3	691	83.6%	12	1.5%	January 8
Public Health Sudbury & Districts	352	177.0	66	33.2	286	81.3%	2	0.6%	January 10

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	14,243,625	37,893	4.4%	January 10
Ontario	7,564,150	51,596	2.9%	3,639,615	24,826	6.0%	January 9
Northern Ontario	518,402	65,051	0.4%	214,717	26,944	0.8%	January 9
Northeastern Ontario	357,180	63,850	0.3%	145,194	25,955	0.6%	January 9
Public Health Sudbury & Districts	135,699	68,241	0.3%	57,750	29,042	0.6%	January 9

Data source: Statistics Canada, Government of Canada COVID-19 Update; COVID-19 Testing Report (SAS Visual Analytics), Ontario Ministry of Health, January 11, 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.