

## Daily Epidemiologic Summary

# COVID-19 in Ontario: January 15, 2020 to January 21, 2021

This report includes the most current information available from CCM and other case management systems (CCM plus) as of **January 21, 2021**.

Please visit the interactive [Ontario COVID-19 Data Tool](#) to explore recent COVID-19 data by public health unit, age group, sex, and trends over time.

A [weekly summary report](#) is available with additional information to complement the daily report.

This **daily** report provides an epidemiologic summary of recent COVID-19 activity in Ontario. The change in cases is determined by taking the cumulative difference between the current day and the previous day.

## Highlights

- There are a total of 250,226 confirmed cases of COVID-19 in Ontario reported to date.
- Compared to the previous day, this represents:
  - An increase of 2,662 confirmed cases (percent change of +1.1%)
  - An increase of 87 deaths (percent change of +89.1%)
  - An increase of 3,375 resolved cases (percent change of +12.9%)

In this document, the term 'change in cases' refers to cases publicly reported by the province for a given day. Data corrections or updates can result in case records being removed and or updated from past reports and may result in subset totals for updated case counts (i.e., age group, gender) differing from the overall updated case counts.

The term public health unit reported date in this document refers to the date local public health units were first notified of the case.

## Case Characteristics

**Table 1a. Summary of recent confirmed cases of COVID-19: Ontario**

	Change in cases January 20, 2021	Change in cases January 21, 2021	Percentage change January 21, 2021 compared to January 20, 2021	Cumulative case count as of January 21, 2021
Total number of cases	2,632*	2,662	+1.1%	250,226
Number of deaths	46	87	+89.1%	5,701
Number resolved	2,990	3,375	+12.9%	219,262

**Note:** The number of cases publicly reported by the province each day may not align with case counts reported to public health on a given day; public health unit reported date refers to the date local public health was first notified of the case. Data corrections or updates can result in case records being removed and or updated from past reports.

\* The technical issue that impacted Toronto Public Health's case counts in the January 18 report has been resolved. As a result, 102 cases have been added to the January 20 count.

**Data Source:** CCM plus

**Table 1b. Summary of recent confirmed cases of COVID-19 by age group and gender: Ontario**

	Change in cases January 20, 2021	Change in cases January 21, 2021	Cumulative case count as of January 21, 2021
Gender: Male	1,300	1,363	122,345
Gender: Female	1,313	1,286	126,462
Ages: 19 and under	314	329	32,685
Ages: 20-39	1,004	927	91,573
Ages: 40-59	782	805	72,164
Ages: 60-79	388	410	36,018
Ages: 80 and over	144	193	17,740

**Note:** Not all cases have a reported age or gender reported. Data corrections or updates can result in case records being removed and or updated from past reports and may result in subset totals (i.e., age group, gender) differing from past publicly reported case counts.

**Data Source:** CCM plus

**Table 2. Summary of recent confirmed cases of COVID-19 in school aged children by age group, August 30, 2020 to January 21, 2021: Ontario**

	Change in cases January 20, 2021	Change in cases January 21, 2021	Cumulative case count from August 30, 2020 to January 21, 2021
Ages: 4 to 8	54	44	5,247
Ages: 9 to 13	66	73	7,314
Ages: 14 to 17	82	92	7,666

**Note:** Includes all confirmed cases of COVID-19 for specified ages, regardless of school attendance. Data corrections or updates can result in case records being removed and or updated from past reports and may result in subset totals (i.e., age group) differing from past publicly reported case counts.

**Data Source:** CCM plus

**Table 3. Summary of recent confirmed cases of COVID-19 in long-term care homes: Ontario**

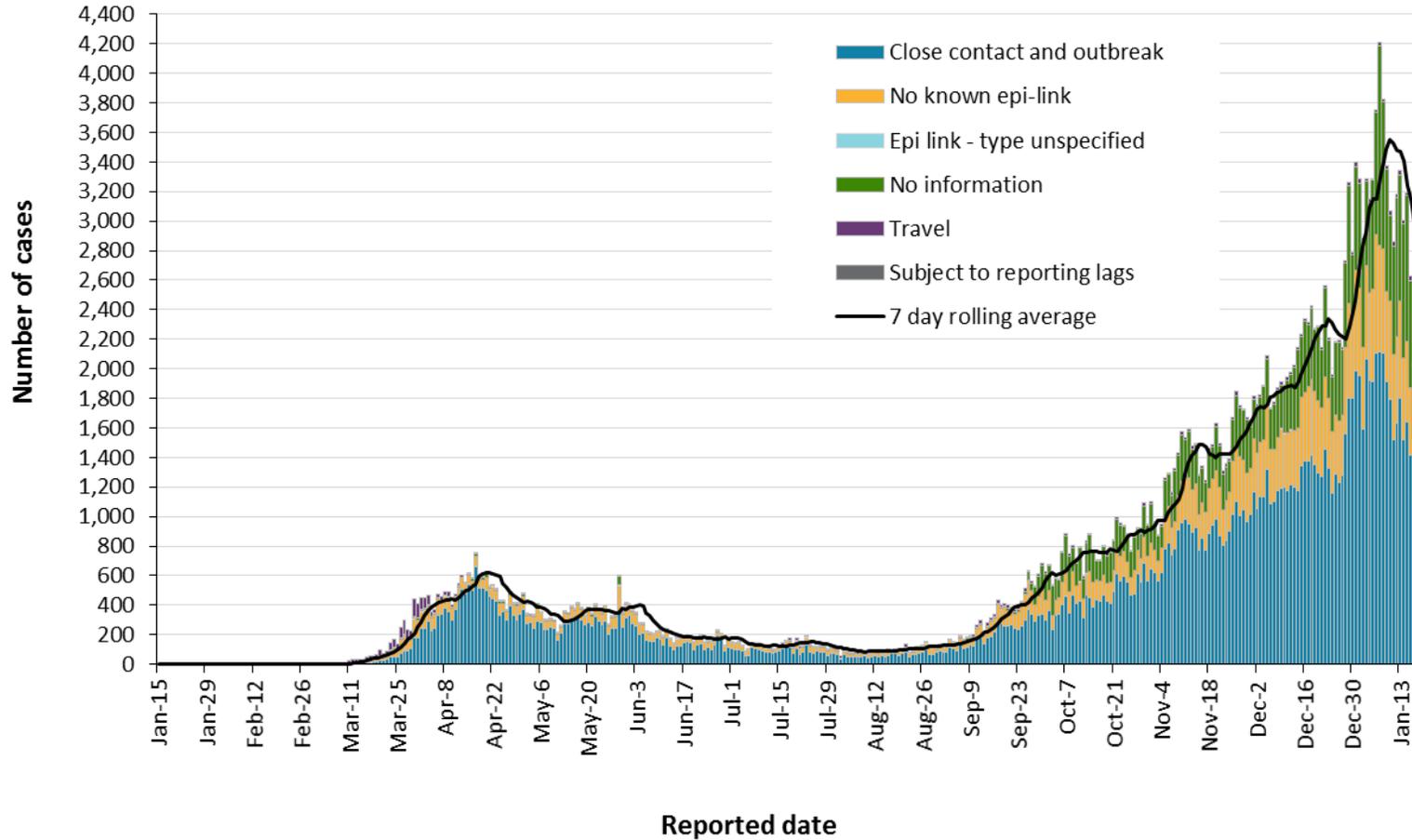
Long-term care home cases	Change in cases January 20, 2021	Change in cases January 21, 2021	Cumulative case count as of January 21, 2021
Residents	98	99	13,746
Health care workers	55	64	5,494
Deaths among residents	33	43	3,350
Deaths among health care workers	0	0	10

**Note:** Information on how long-term care home residents and health care workers are identified is available in the technical notes. Also, the change in cases in these categories may represent existing case records that have been updated.

**Data Source:** CCM plus

# Time

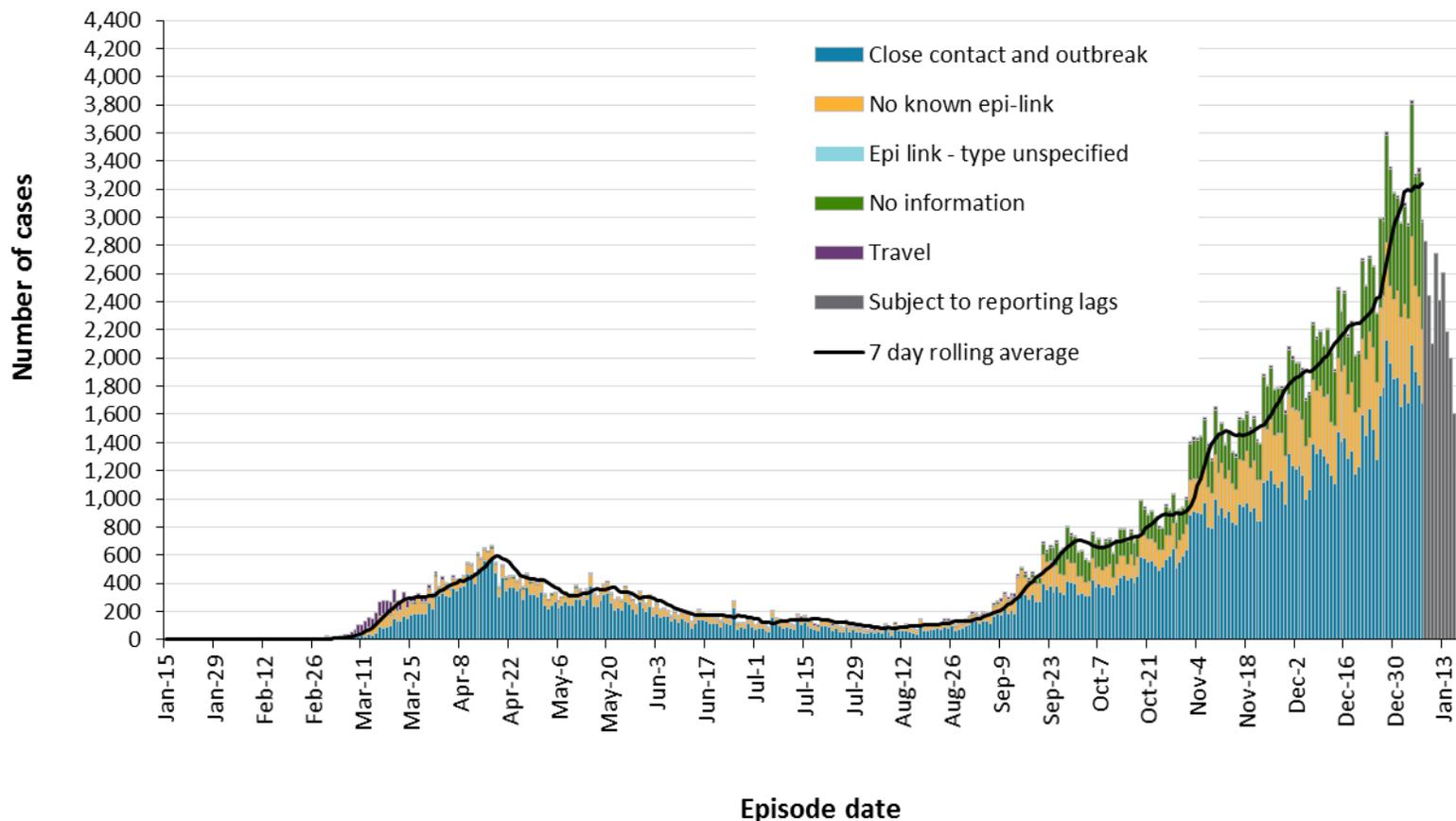
Figure 1. Confirmed cases of COVID-19 by likely acquisition and public health unit reported date: Ontario, January 15, 2020 to January 21, 2021



Data Source: CCM plus

COVID-19 in Ontario: January 15, 2020 to January 21, 2021

**Figure 2. Confirmed cases of COVID-19 by likely acquisition and approximation of symptom onset date: Ontario, January 15, 2020 to January 21, 2021**

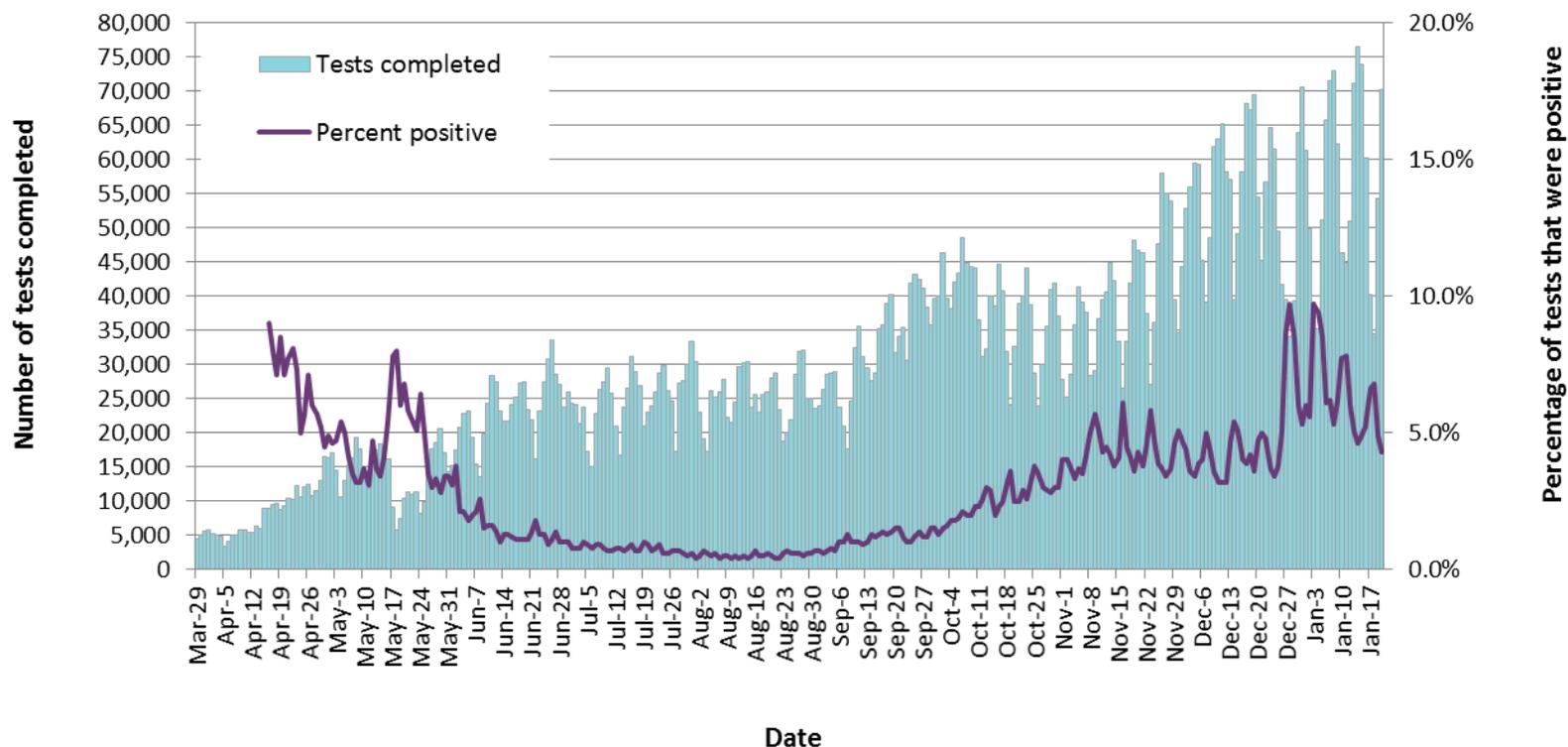


**Note:** Not all cases may have an episode date and those without one are not included in the figure. Episode date is defined and available in the technical notes.

**Data Source:** CCM plus

COVID-19 in Ontario: January 15, 2020 to January 21, 2021

**Figure 3. Number of COVID-19 tests completed and percent positivity: Ontario, March 29, 2020 to January 20, 2021**

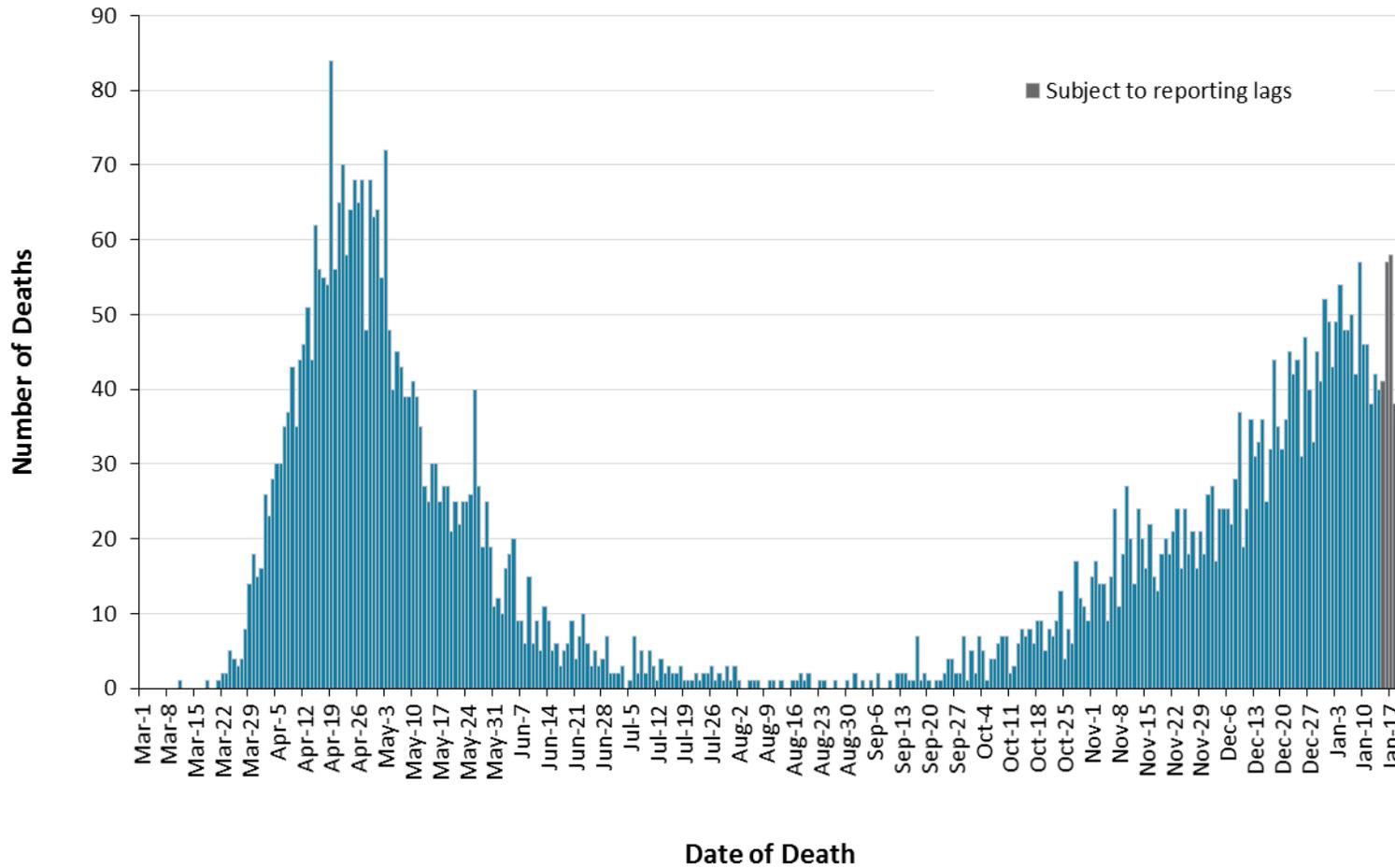


**Note:** The number of tests performed does not reflect the number of specimens or persons tested. More than one test may be performed per specimen or per person. As such, the percentage of tests that were positive does not necessarily translate to the number of specimens or persons testing positive.

**Data Source:** The Provincial COVID-19 Diagnostics Network, data reported by member microbiology laboratories.

# Severity

Figure 4. Confirmed deaths among COVID-19 cases by date of death: Ontario, March 1, 2020 to January 21, 2021



**Note:** Cases without a death date are not included in the figure.

**Data Source:** CCM plus

**Table 4. Confirmed cases of COVID-19 by severity: Ontario**

	Cumulative case count as of January 21, 2021	Percentage of all cases
Cumulative deaths reported (please note there may be a reporting delay for deaths)	5,701	2.3%
Deaths reported in ages: 19 and under	1	< 0.1%
Deaths reported in ages: 20-39	20	< 0.1%
Deaths reported in ages: 40-59	216	0.3%
Deaths reported in ages: 60-79	1,526	4.2%
Deaths reported in ages: 80 and over	3,937	22.2%
Ever in ICU	2,321	0.9%
Ever hospitalized	12,416	5.0%

**Note:** Not all cases have an age reported. Data corrections or updates can result in case records being removed and/or updated and may result in totals differing from past publicly reported case counts.

**Data Source:** CCM plus

## Geography

**Table 5. Summary of recent confirmed cases of COVID-19 by public health unit and region: Ontario**

Public Health Unit Name	Change in cases January 20, 2021	Change in cases January 21, 2021	Cumulative case count	Cumulative rate per 100,000 population
Northwestern Health Unit	0	1	237	270.3
Thunder Bay District Health Unit	5	58	811	540.8
<b>TOTAL NORTH WEST</b>	5	59	1,048	441.0
Algoma Public Health	5	2	149	130.2
North Bay Parry Sound District Health Unit	1	1	185	142.6
Porcupine Health Unit	-1	4	193	231.3
Public Health Sudbury & Districts	9	13	425	213.5
Timiskaming Health Unit	0	0	85	260.0
<b>TOTAL NORTH EAST</b>	14	20	1,037	185.4
Ottawa Public Health	162	75	12,728	1,206.8
Eastern Ontario Health Unit	32	37	2,263	1,084.3
Hastings Prince Edward Public Health	4	1	356	211.3
Kingston, Frontenac and Lennox & Addington Public Health	2	7	638	299.9
Leeds, Grenville & Lanark District Health Unit	3	2	774	447.0
Renfrew County and District Health Unit	2	-1	296	272.5

Public Health Unit Name	Change in cases January 20, 2021	Change in cases January 21, 2021	Cumulative case count	Cumulative rate per 100,000 population
<b>TOTAL EASTERN</b>	205	121	17,055	885.3
Durham Region Health Department	92	80	10,057	1,411.7
Haliburton, Kawartha, Pine Ridge District Health Unit	31	16	781	413.4
Peel Public Health	412	542	51,315	3,195.3
Peterborough Public Health	6	2	496	335.2
Simcoe Muskoka District Health Unit	70	71	5,041	840.7
York Region Public Health	245	228	23,762	1,938.5
<b>TOTAL CENTRAL EAST</b>	856	939	91,452	2,041.0
Toronto Public Health	897*	779	77,840	2,494.6
<b>TOTAL TORONTO</b>	897*	779	77,840	2,494.6
Chatham-Kent Public Health	6	11	1054	991.4
Grey Bruce Health Unit	1	6	607	357.3
Huron Perth Public Health	18	26	1,127	806.4
Lambton Public Health	45	6	1,734	1,324.0
Middlesex-London Health Unit	76	65	5,299	1,044.1
Southwestern Public Health	19	19	2,149	1,016.1
Windsor-Essex County Health Unit	92	118	11,506	2,708.4
<b>TOTAL SOUTH WEST</b>	257	251	23,476	1,388.5
Brant County Health Unit	13	6	1,398	900.8

Public Health Unit Name	Change in cases January 20, 2021	Change in cases January 21, 2021	Cumulative case count	Cumulative rate per 100,000 population
City of Hamilton Public Health Services	69	78	8,521	1,439.0
Haldimand-Norfolk Health Unit	7	7	1,220	1,069.4
Halton Region Public Health	52	102	7,560	1,221.2
Niagara Region Public Health	90	95	7,019	1,485.5
Region of Waterloo Public Health and Emergency Services	118	128	8,777	1,502.0
Wellington-Dufferin-Guelph Public Health	49	77	3,823	1,225.7
<b>TOTAL CENTRAL WEST</b>	<b>398</b>	<b>493</b>	<b>38,318</b>	<b>1,344.8</b>
<b>TOTAL ONTARIO</b>	<b>2,632</b>	<b>2,662</b>	<b>250,226</b>	<b>1,683.4</b>

**Notes:** Health units with data corrections or updates could result in records being removed from totals resulting in negative counts.

\* The technical issue that impacted Toronto Public Health's case counts in the January 18 report has been resolved. As a result, 102 cases have been added to the January 20 count.

**Data Source:** CCM plus

## Outbreaks

**Table 6. Summary of recent confirmed COVID-19 outbreaks reported in long-term care homes, retirement homes and hospitals by status: Ontario**

Institution type	Change in outbreaks January 20, 2021	Change in outbreaks January 21, 2021	Number of ongoing outbreaks	Cumulative number of outbreaks reported
Long-term care homes	6	5	252	1,104
Retirement homes	6	5	164	634
Hospitals	4	7	97	335

**Note:** Ongoing outbreaks include all outbreaks that are 'Open' in CCM plus without a 'Declared Over Date' recorded, or where the outbreak started more than five months ago, even for outbreaks where the Outbreak Status value selected in CCM/iPHIS is 'OPEN'. The start of the outbreak is determined by the onset date of first case, or if missing the outbreak reported date, or else if that is also missing, then the outbreak created date.

**Data Source:** CCM plus

# Technical Notes

## Data Sources

- The data for this report were based on:
  - Information extracted from the Ontario Ministry of Health (Ministry) integrated Public Health Information System (iPHIS) database for Toronto Public Health as of **January 21, 2021 at 1 p.m.**
  - Information successfully uploaded to the Ministry from Local Systems: Toronto Public Health (Coronavirus Rapid Entry System) CORES as of **January 21, 2021 at 2 p.m.**
  - Information successfully extracted from the Public Health Case and Contact Management Solution (CCM) for all other PHUs by PHO as of **January 21, 2021 at 1 p.m.**
- CCM and CCM plus (which includes CCM, iPHIS, and CORES) are dynamic disease reporting systems, which allow ongoing updates to data previously entered. As a result, data extracted from CCM and the Local Systems represent a snapshot at the time of extraction and may differ from previous or subsequent reports.
- Ontario population projection data for 2020 were sourced from Ministry, IntelliHEALTH Ontario. Data were extracted on November 26, 2019.
- COVID-19 test data were based on information from The Provincial COVID-19 Diagnostics Network, reported by member microbiology laboratories.

## Data Caveats

- The data only represent cases reported to public health units and recorded in CCM plus. As a result, all counts will be subject to varying degrees of underreporting due to a variety of factors, such as disease awareness and medical care seeking behaviours, which may depend on severity of illness, clinical practice, changes in laboratory testing, and reporting behaviours.
- Lags in CCM plus data entry due to weekend staffing may result in lower case counts than would otherwise be recorded.
- Only cases meeting the confirmed case classification as listed in the MOH [COVID-19 case definition](#) are included in the report counts from CCM plus. This includes persons with a positive detection of serum/plasma immunoglobulin G (IgG) antibodies to SARS-CoV-2, which was added to the confirmed case definition on August 6, 2020.
- Cases of confirmed reinfection, i.e. where genome sequencing indicates the two episodes are caused by different viral lineages, added to the confirmed case definition on November 20, 2020, are counted as unique investigations.
- The number of tests performed does not reflect the number of specimens or persons tested. More than one test may be performed per specimen or per person. As such, the percentage of

tests that were positive does not necessarily translate to the number of specimens or persons testing positive.

- Reported date is the date the case was reported to the public health unit.
- Case episode date is based on an estimate of the best date of disease onset. This date is calculated based on either the date of symptom onset, specimen collection/test date, or the date reported to the public health unit.
- Resolved cases are determined only for COVID-19 cases that have not died. Cases that have died are considered fatal and not resolved. The following cases are classified as resolved:
  - Cases that are reported as 'recovered' in CCM
  - Cases that are not hospitalized and are 14 days past their episode date
  - Cases that are currently hospitalized (no hospital end date entered) and have a status of 'closed' in CCM (indicating public health unit follow-up is complete) and are 14 days past their symptom onset date or specimen collection date
- Hospitalization includes all cases for which a hospital admission date was reported at the time of data extraction. It includes cases that have been discharged from hospital as well as cases that are currently hospitalized. Emergency room visits are not included in the number of reported hospitalizations.
- ICU admission includes all cases for which an ICU admission date was reported at the time of data extraction. It is a subset of the count of hospitalized cases. It includes cases that have been treated or that are currently being treated in an ICU.
- Orientation of case counts by geography is based on the diagnosing health unit (DHU). DHU refers to the case's public health unit of residence at the time of illness onset and not necessarily the location of exposure. Cases for which the DHU was reported as MOH (to signify a case that is not a resident of Ontario) have been excluded from the analyses.
- Likely source of acquisition is determined by examining the epidemiologic link and epidemiologic link status fields in CCM and local systems. If no epidemiologic link is identified in those fields the risk factor fields are examined to determine whether a case travelled, was associated with a confirmed outbreak, was a contact of a case, had no known epidemiological link (sporadic community transmission) or was reported to have an unknown source/no information was reported. Some cases may have no information reported if the case is untraceable, was lost to follow-up or referred to FNIHB. Cases with multiple risk factors were assigned to a single likely acquisition source group which was determined hierarchically in the following order:
  - For cases with an episode date *on or after* April 1, 2020: Outbreak-associated > close contact of a confirmed case > travel > no known epidemiological link > information missing or unknown

- For cases with an episode date *before* April 1, 2020: Travel > outbreak-associated > close contact of a confirmed case > no known epidemiological link > information missing or unknown
- Deaths are determined by using the outcome field in CCM plus. Any case marked 'Fatal' is included in the deaths data. The CCM field Type of Death is not used to further categorize the data.
  - The date of death is determined using the outcome date field for cases marked as 'Fatal' in the outcome field.
- COVID-19 cases from CCM plus for which the Classification and/or Disposition was reported as ENTERED IN ERROR, DOES NOT MEET DEFINITION, IGNORE, DUPLICATE, or any variation on these values have been excluded. The provincial case count for COVID-19 includes cases that are counted once across all systems from which the case data are obtained. Duplicate records may exist if these records were not identified and resolved prior to data upload to the Ministry.
- Ongoing outbreaks include all outbreaks that are 'Open' in CCM plus without a 'Declared Over Date' recorded, or where the outbreak started more than five months ago, even for outbreaks where the Outbreak Status value selected in CCM/iPHIS is 'OPEN'. The start of the outbreak is determined by the onset date of first case, or if missing the outbreak reported date, or else if that is also missing, then the outbreak created date.
- 'Long-term care home residents' includes cases that reported 'Yes' to the risk factor 'Resident of a long-term care home'; or 'Yes' to the risk factor 'Resident of nursing home or other chronic care facility' and reported to be part of an outbreak assigned as a long-term care home (via the Outbreak number or case comments field); or were reported to be part of an outbreak assigned as a long-term care home (via the outbreak number or case comments field) with an age over 70 years and did not report 'No' to the risk factors 'Resident of long-term care home' or 'Resident of nursing home or other chronic care facility'. 'Long-term care home residents' excludes cases that reported 'Yes' to any of the health care worker occupational risk factors.
- The 'health care workers' variable includes cases that reported 'Yes' to any of the occupation of health care worker, doctor, nurse, dentist, dental hygienist, midwife, other medical technicians, personal support worker, respiratory therapist, first responder.
- 'Health care workers associated with long-term care outbreaks' includes 'health care workers' reported to be part of an outbreak assigned as a long-term care home (via the outbreak number or case comments field). Excludes cases that reported 'Yes' to risk factors 'Resident of long-term care home' or 'Resident of nursing home or other chronic care facility' and 'Yes' to the calculated 'health care workers' variable.
- Percent change is calculated by taking the difference between the current period (i.e., daily count or sum of the daily count over a 7-day period) and previous period (i.e., daily count or sum of the daily count over a 7-day period), divided by the previous period.

## Appendix A

**Table A1. Weekly rates of confirmed COVID-19 cases per 100,000 population over recent rolling 7-day periods, by reported date and public health unit: Ontario, January 6 to January 18, 2021**

Public Health Unit Name	Jan 6 to Jan 12	Jan 7 to Jan 13	Jan 8 to Jan 14	Jan 9 to Jan 15	Jan 10 to Jan 16	Jan 11 to Jan 17	Jan 12 to Jan 18	% change from Jan 6-Jan 12 to Jan 12-Jan 18
<b>NORTH WEST</b>								
Northwestern Health Unit	34.2	26.2	30.8	20.5	12.5	14.8	13.7	-59.9%
Thunder Bay District Health Unit	47.3	42.0	46.7	40.7	40.0	37.3	54.0	+14.2%
<b>NORTH EAST</b>								
Algoma Public Health	28.0	21.8	23.6	16.6	14.9	12.2	12.2	-56.4%
North Bay Parry Sound District Health Unit	13.1	13.1	12.3	13.1	9.2	5.4	4.6	-64.9%
Porcupine Health Unit	38.4	37.2	16.8	14.4	12.0	7.2	28.8	-25.0%
Public Health Sudbury & Districts	36.2	33.7	30.6	20.6	20.6	21.1	15.6	-56.9%
Timiskaming Health Unit	9.2	6.1	6.1	6.1	6.1	6.1	6.1	-33.7%
<b>EASTERN</b>								
Ottawa Public Health	96.0	99.7	94.1	91.1	87.7	82.8	82.6	-14.0%
Eastern Ontario Health Unit	147.6	140.9	142.3	137	121.2	113.1	117.9	-20.1%
Hastings Prince Edward Public Health	11.9	11.3	10.1	10.1	11.3	11.9	13.1	+10.1%
Kingston, Frontenac and Lennox & Addington Public Health	18.8	14.6	12.7	10.8	7.1	6.6	6.1	-67.6%

Public Health Unit Name	Jan 6 to Jan 12	Jan 7 to Jan 13	Jan 8 to Jan 14	Jan 9 to Jan 15	Jan 10 to Jan 16	Jan 11 to Jan 17	Jan 12 to Jan 18	% change from Jan 6-Jan 12 to Jan 12-Jan 18
Leeds, Grenville & Lanark District Health Unit	15.0	15.0	15.0	17.9	16.2	14.4	15.6	+4.0%
Renfrew County and District Health Unit	31.3	22.1	13.8	12.9	12.0	7.4	6.4	-79.6%
<b>CENTRAL EAST</b>								
Durham Region Health Department	144.2	130.3	128.4	116.6	107.2	104.2	97.3	-32.5%
Haliburton, Kawartha, Pine Ridge District Health Unit	41.3	35.5	33.9	34.9	37.0	34.9	33.9	-17.9%
Peel Public Health	250.3	258.8	255.2	247.0	248.8	236.1	230.3	-8.0%
Peterborough Public Health	29.7	33.8	31.8	25.0	26.4	28.4	29.1	-2.0%
Simcoe Muskoka District Health Unit	80.1	79.7	81.9	81.9	75.1	71.4	76.4	-4.6%
York Region Public Health	178.7	170.1	157.2	158.9	146.9	144.7	139.8	-21.8%
<b>TORONTO</b>								
Toronto Public Health	232.8	228.1	204.3	196.4	190.5	184.3	183.9	-21.0%
<b>SOUTH WEST</b>								
Chatham-Kent Public Health	112.9	102.5	112.9	109.1	109.1	98.8	93.1	-17.5%
Grey Bruce Health Unit	38.9	32.4	29.4	27.7	28.8	27.7	23.5	-39.6%
Huron Perth Public Health	102.3	108.0	101.6	110.9	115.9	102.3	113.8	+11.2%
Lambton Public Health	284.0	277.9	260.4	271.1	287.9	248.9	194.7	-31.4%
Middlesex-London Health Unit	152.3	154.5	149.0	144.4	131.0	114.3	111.1	-27.1%

Public Health Unit Name	Jan 6 to Jan 12	Jan 7 to Jan 13	Jan 8 to Jan 14	Jan 9 to Jan 15	Jan 10 to Jan 16	Jan 11 to Jan 17	Jan 12 to Jan 18	% change from Jan 6-Jan 12 to Jan 12-Jan 18
Southwestern Public Health	154.1	147.0	140.0	143.3	121.0	107.8	93.6	-39.3%
Windsor-Essex County Health Unit	300.4	313.1	307.7	309.3	308.6	290.2	262.7	-12.5%
<b>CENTRAL WEST</b>								
Brant County Health Unit	99.2	93.4	99.2	90.2	78.0	78.0	72.2	-27.2%
City of Hamilton Public Health Services	142.7	137.0	128.8	121.1	120.9	116.4	110.3	-22.7%
Haldimand-Norfolk Health Unit	92.9	91.2	92.0	78.0	76.3	77.1	75.4	-18.8%
Halton Region Public Health	99.5	88.0	89.0	82.1	78.2	80.4	81.4	-18.2%
Niagara Region Public Health	257.6	249.1	241.3	248.7	242.3	220.3	206.8	-19.7%
Region of Waterloo Public Health and Emergency Services	188.2	186.0	186.7	178.3	166.0	153.5	144.4	-23.3%
Wellington-Dufferin-Guelph Public Health	116.7	108.0	107.7	114.8	111.6	109.6	116.4	-0.3%
<b>TOTAL ONTARIO</b>	<b>163.3</b>	<b>160.6</b>	<b>152.5</b>	<b>148.1</b>	<b>143.1</b>	<b>136.2</b>	<b>132.8</b>	<b>-18.7%</b>

**Note:** Rates are based on the sum of the daily case counts during the date ranges specified in each column.

**Data Source:** CCM plus

## Disclaimer

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## For Further Information

For more information, email [cd@oahpp.ca](mailto:cd@oahpp.ca).

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