

## Daily Epidemiologic Summary

# COVID-19 in Ontario: January 15, 2020 to November 25, 2020

This report includes the most current information available from CCM and other case management systems (CCM plus) as of **November 25, 2020**.

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 109,361 confirmed cases of COVID-19 in Ontario reported to date.
- Compared to the previous day, this represents:
  - An increase of 1,478 confirmed cases (percent change of +7.6%)
  - An increase of 21 deaths (percent change of -40.0%)
  - An increase of 1,365 resolved cases (percent change of -7.5%)

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 November 24	Change in cases November 25	Percentage change November 25 compared to November 24	Cumulative case count as of November 25
Total number of cases	1,373	1,478	+7.6%	109,361
Number of deaths	35	21	-40.0%	3,575
Number resolved	1,476	1,365	-7.5%	92,915

**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 Source:** CCM plus

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

	Change in cases November 24	Change in cases November 25	Cumulative case count as of November 25
Gender: Male	717	736	53,051
Gender: Female	649	727	55,689
Ages: 19 and under	168	209	12,921
Ages: 20-39	557	542	39,789
Ages: 40-59	392	434	31,189
Ages: 60-79	175	215	15,975
Ages: 80 and over	85	78	9,477

**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 to November 25, 2020: Ontario**

	Change in cases November 24	Change in cases November 25	Cumulative case count from August 30 to November 25
Ages: 4 to 8	27	40	1,827
Ages: 9 to 13	53	56	2,491
Ages: 14 to 17	36	47	2,495

**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**

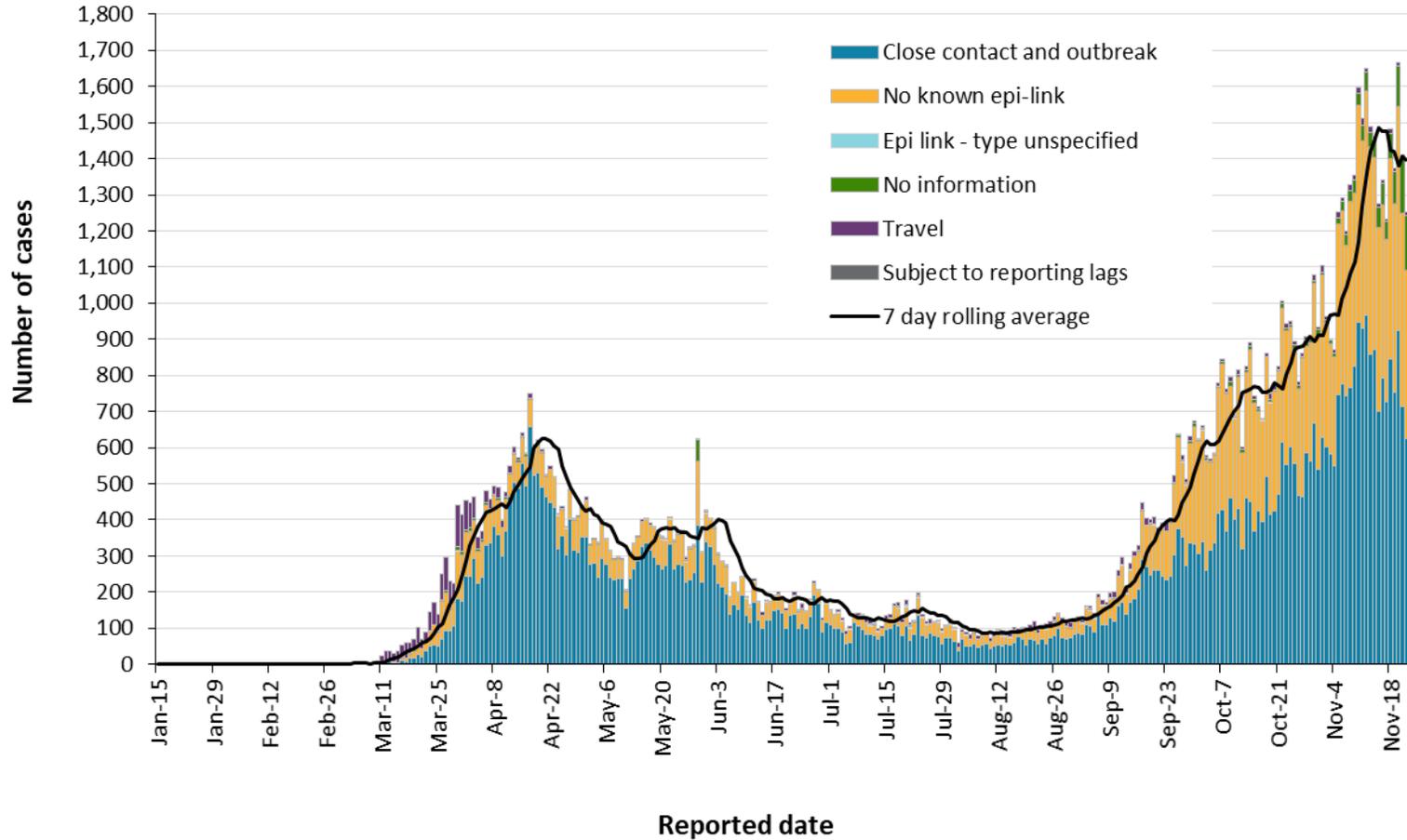
Long-term care home cases	Change in cases November 24	Change in cases November 25	Cumulative case count as of November 25
Residents	59	60	8,237
Health care workers	16	14	3,248
Deaths among residents	22	14	2,270
Deaths among health care workers	0	0	8

**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

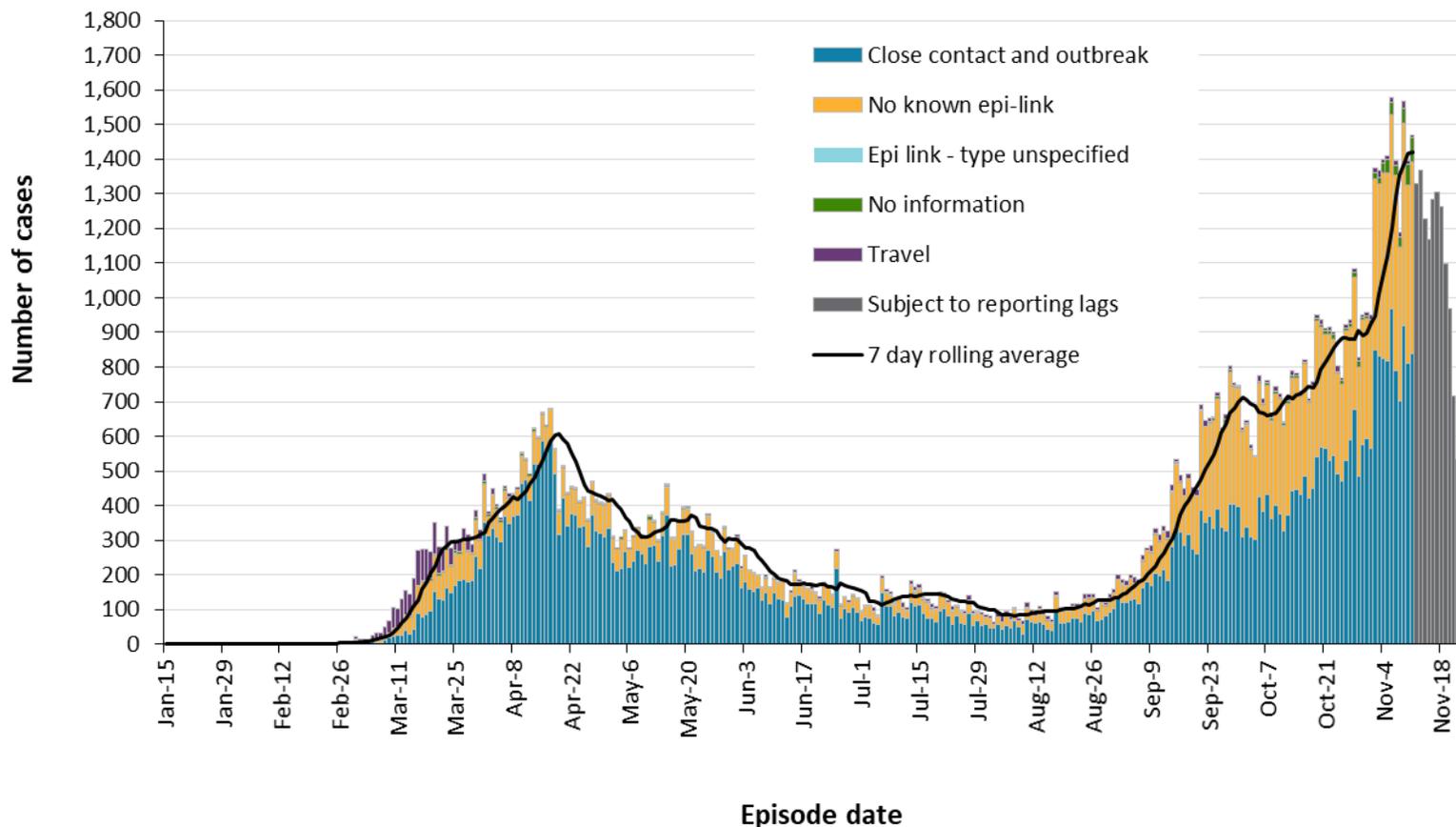
**Figure 1. Confirmed cases of COVID-19 by likely acquisition and public health unit reported date: Ontario, January 15, 2020 to November 25, 2020**



Data Source: CCM plus

COVID-19 in Ontario: January 15, 2020 to November 25, 2020

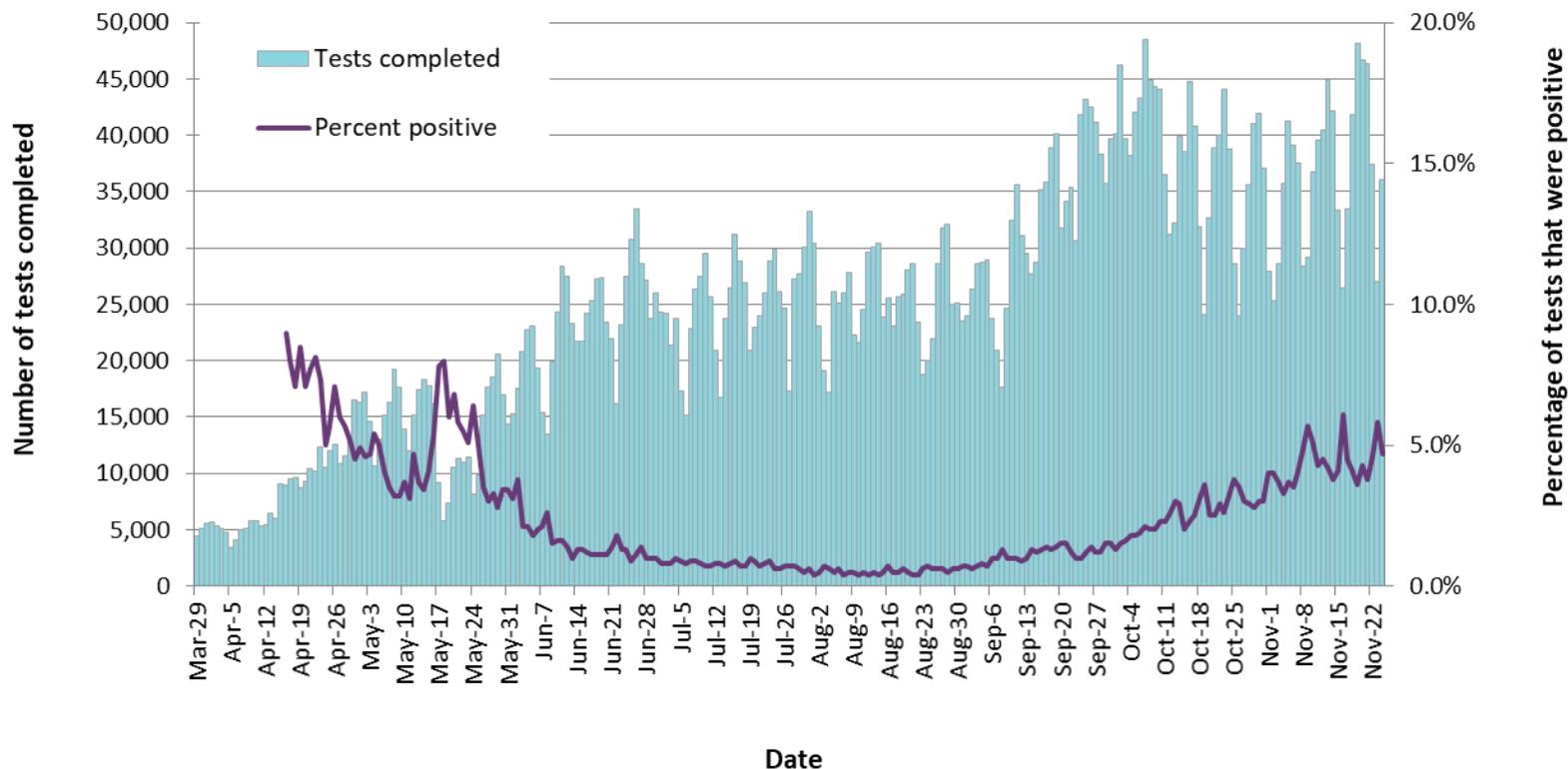
**Figure 2. Confirmed cases of COVID-19 by likely acquisition and approximation of symptom onset date: Ontario, January 15, 2020 to November 25, 2020**



**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

**Figure 3. Number of COVID-19 tests completed and percent positivity: Ontario, March 29, 2020 to November 24, 2020**

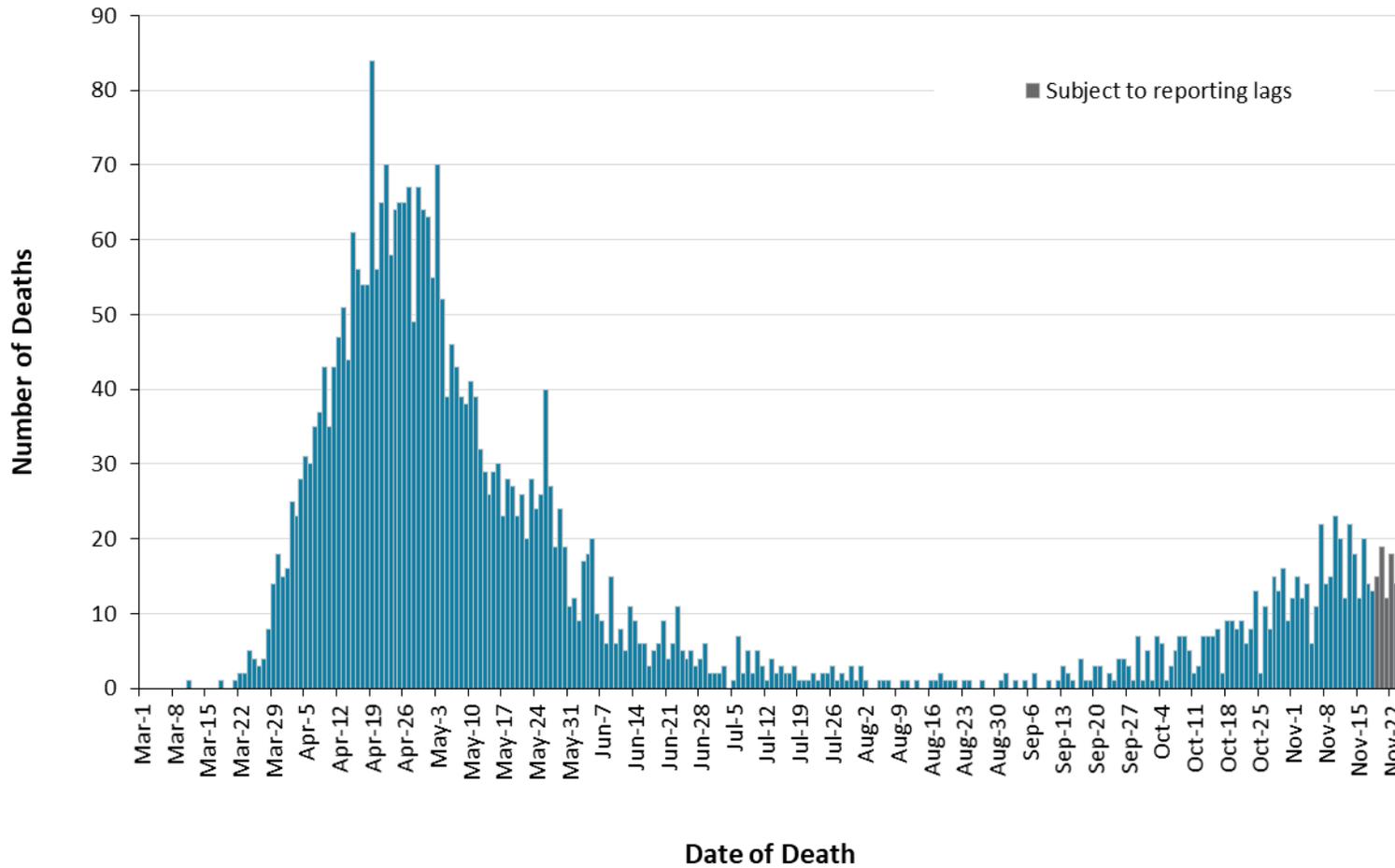


**Note:** The number of tests performed does not reflect the number of specimens or persons tested. More than one test may be performed per specimen or per person. As such, the percentage of tests that were positive does not necessarily translate to the number of specimens or persons testing positive.

**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 November 25, 2020



**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 November 25	Percentage of all cases
Cumulative deaths reported (please note there may be a reporting delay for deaths)	3,575	3.3%
Deaths reported in ages: 19 and under	1	0.0%
Deaths reported in ages: 20-39	13	0.0%
Deaths reported in ages: 40-59	145	0.5%
Deaths reported in ages: 60-79	935	5.9%
Deaths reported in ages: 80 and over	2,481	26.2%
Ever in ICU	1,422	1.3%
Ever hospitalized	7,145	6.5%

**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 November 24	Change in cases November 25	Cumulative case count	Cumulative rate per 100,000 population
Northwestern Health Unit	2	0	108	123.2
Thunder Bay District Health Unit	13	4	252	168.0
<b>TOTAL NORTH WEST</b>	15	4	360	151.5
Algoma Public Health	0	2	60	52.4
North Bay Parry Sound District Health Unit	3	5	71	54.7
Porcupine Health Unit	0	0	106	127.0
Public Health Sudbury & Districts	1	3	225	113.1
Timiskaming Health Unit	-1	0	18	55.1
<b>TOTAL NORTH EAST</b>	3	10	480	85.8
Ottawa Public Health	23	24	8,276	784.7
Eastern Ontario Health Unit	5	9	794	380.4
Hastings Prince Edward Public Health	6	7	122	72.4
Kingston, Frontenac and Lennox & Addington Public Health	2	7	241	113.3
Leeds, Grenville & Lanark District Health Unit	-1	0	479	276.6
Renfrew County and District Health Unit	3	0	131	120.6

Public Health Unit Name	Change in cases November 24	Change in cases November 25	Cumulative case count	Cumulative rate per 100,000 population
<b>TOTAL EASTERN</b>	38	47	10,043	521.3
Durham Region Health Department	26	47	4,147	582.1
Haliburton, Kawartha, Pine Ridge District Health Unit	1	7	296	156.7
Peel Public Health	415	572	23,463	1,461.0
Peterborough Public Health	2	0	197	133.1
Simcoe Muskoka District Health Unit	30	18	1,990	331.9
York Region Public Health	136	111	10,043	819.3
<b>TOTAL CENTRAL EAST</b>	610	755	40,136	895.8
Toronto Public Health	445	356	37,584	1,204.5
<b>TOTAL TORONTO</b>	445	356	37,584	1,204.5
Chatham-Kent Public Health	2	2	484	455.2
Grey Bruce Health Unit	2	9	285	167.8
Huron Perth Public Health	0	11	294	210.4
Lambton Public Health	0	1	405	309.2
Middlesex-London Health Unit	26	14	1,518	299.1
Southwestern Public Health	7	7	514	243.0
Windsor-Essex County Health Unit	48	42	3,442	810.2
<b>TOTAL SOUTH WEST</b>	85	86	6,942	410.6
Brant County Health Unit	5	6	555	357.6

Public Health Unit Name	Change in cases November 24	Change in cases November 25	Cumulative case count	Cumulative rate per 100,000 population
City of Hamilton Public Health Services	49	59	2,865	483.8
Haldimand-Norfolk Health Unit	2	3	611	535.6
Halton Region Public Health	30	36	3,219	520.0
Niagara Region Public Health	17	23	2,054	434.7
Region of Waterloo Public Health and Emergency Services	61	64	3,237	553.9
Wellington-Dufferin-Guelph Public Health	13	29	1,275	408.8
<b>TOTAL CENTRAL WEST</b>	177	220	13,816	484.9
<b>TOTAL ONTARIO</b>	<b>1,373</b>	<b>1,478</b>	<b>109,361</b>	<b>735.7</b>

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

**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 November 24	Change in outbreaks November 25	Number of ongoing outbreaks	Cumulative number of outbreaks reported
Long-term care homes	9	5	109	678
Retirement homes	0	1	58	333
Hospitals	1	3	32	161

**Note:** Ongoing outbreaks includes all outbreaks that are 'Open' in CCM plus without a 'Declared Over Date' recorded.

**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 **November 25, 2020 at 3 p.m.**
  - Information successfully uploaded to the Ministry from Local Systems: Toronto Public Health (Coronavirus Rapid Entry System) CORES, The Ottawa Public Health COVID-19 Ottawa Database (The COD) and Middlesex-London COVID-19 Case and Contact Management Tool (CCMtool) as of **November 25, 2020 at 2 p.m.**
  - Information successfully uploaded to the Ministry from the Public Health Case and Contact Management Solution (CCM) for all other PHUs as of **November 25, 2020 at 12 p.m.**
- CCM and CCM plus (which includes CCM, iPHIS, CORES, The COD and COVID-19 CCMtool) 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.
- 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 are those that are reported in CCM plus as 'Open' without a 'Declared Over Date' recorded.
- '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, November 10, 2020 to November 22, 2020**

Public Health Unit Name	Nov 10 to Nov 16	Nov 11 to Nov 17	Nov 12 to Nov 18	Nov 13 to Nov 19	Nov 14 to Nov 20	Nov 15 to Nov 21	Nov 16 to Nov 22	% change from Nov 10-16 to Nov 16-22
<b>NORTH WEST</b>								
Northwestern Health Unit	10.3	12.5	8.0	8.0	9.1	14.8	16.0	+55.3%
Thunder Bay District Health Unit	29.3	37.3	40.0	44.0	43.3	46.0	45.3	+54.6%
<b>NORTH EAST</b>								
Algoma Public Health	1.7	0.9	0.9	0.9	0.9	0.9	0.0	-100.0%
North Bay Parry Sound District Health Unit	6.2	4.6	4.6	6.2	6.9	6.9	6.9	+11.3%
Porcupine Health Unit	3.6	2.4	3.6	3.6	4.8	2.4	2.4	-33.3%
Public Health Sudbury & Districts	14.6	11.6	9.0	7.5	4.5	4.0	6.5	-55.5%
Timiskaming Health Unit	3.1	3.1	3.1	3.1	3.1	3.1	0.0	-100.0%
<b>EASTERN</b>								
Ottawa Public Health	34.3	33.2	32.0	31.4	26.8	24.6	24.3	-29.2%
Eastern Ontario Health Unit	19.6	19.6	17.7	16.8	17.7	17.7	15.3	-21.9%
Hastings Prince Edward Public Health	6.5	7.1	9.5	8.3	7.7	8.3	8.3	+27.7%
Kingston, Frontenac and Lennox & Addington Public Health	17.9	16.5	14.1	13.2	8.5	7.1	4.7	-73.7%

Public Health Unit Name	Nov 10 to Nov 16	Nov 11 to Nov 17	Nov 12 to Nov 18	Nov 13 to Nov 19	Nov 14 to Nov 20	Nov 15 to Nov 21	Nov 16 to Nov 22	% change from Nov 10-16 to Nov 16-22
Leeds, Grenville & Lanark District Health Unit	5.2	4.6	3.5	2.3	2.3	1.7	1.7	-67.3%
Renfrew County and District Health Unit	4.6	5.5	5.5	10.1	12.0	9.2	10.1	+119.6%
<b>CENTRAL EAST</b>								
Durham Region Health Department	54.0	50.4	53.6	50.8	52.2	48.6	46.5	-13.9%
Haliburton, Kawartha, Pine Ridge District Health Unit	6.4	6.4	6.4	5.8	4.8	8.5	6.9	+7.8%
Peel Public Health	190.9	187.2	185.9	171.5	179.6	181.6	180.5	-5.4%
Peterborough Public Health	14.9	12.2	12.2	14.9	12.2	9.5	10.8	-27.5%
Simcoe Muskoka District Health Unit	33.0	31.4	32.7	32.9	33.0	30.5	30.4	-7.9%
York Region Public Health	88.5	82.5	83.5	85.3	85.1	81.4	82.8	-6.4%
<b>TORONTO</b>								
Toronto Public Health	102.6	99.1	97.7	94.7	96.9	97.6	96.7	-5.8%
<b>SOUTH WEST</b>								
Chatham-Kent Public Health	36.7	23.5	22.6	22.6	19.8	16.9	14.1	-61.6%
Grey Bruce Health Unit	20.0	20.6	29.4	34.1	32.4	37.1	35.3	+76.5%
Huron Perth Public Health	32.9	30.1	25.0	27.9	24.3	18.6	21.5	-34.7%
Lambton Public Health	6.9	7.6	8.4	9.9	13.0	11.5	12.2	+76.8%
Middlesex-London Health Unit	18.3	19.5	19.1	22.9	20.3	20.9	21.7	+18.6%

Public Health Unit Name	Nov 10 to Nov 16	Nov 11 to Nov 17	Nov 12 to Nov 18	Nov 13 to Nov 19	Nov 14 to Nov 20	Nov 15 to Nov 21	Nov 16 to Nov 22	% change from Nov 10-16 to Nov 16-22
Southwestern Public Health	32.6	29.8	30.3	29.3	26.5	25.5	22.2	-31.9%
Windsor-Essex County Health Unit	39.3	38.4	39.3	42.8	48.5	52.0	57.7	+46.8%
<b>CENTRAL WEST</b>								
Brant County Health Unit	32.9	32.2	30.9	36.1	36.1	39.3	44.5	+35.3%
City of Hamilton Public Health Services	43.4	40.0	42.2	43.6	49.8	49.5	50.5	+16.4%
Haldimand-Norfolk Health Unit	14.9	18.4	17.5	20.2	19.3	27.2	28.1	+88.6%
Halton Region Public Health	60.6	58.6	58.3	54.8	55.9	54.4	51.4	-15.2%
Niagara Region Public Health	32.0	29.8	28.8	31.7	32.2	32.0	31.3	-2.2%
Region of Waterloo Public Health and Emergency Services	64.0	61.3	60.2	56.6	54.8	52.4	53.9	-15.8%
Wellington-Dufferin-Guelph Public Health	35.9	37.2	40.7	44.6	44.9	45.5	48.7	+35.7%
<b>TOTAL ONTARIO</b>	<b>69.5</b>	<b>67.0</b>	<b>66.8</b>	<b>65.0</b>	<b>66.2</b>	<b>65.8</b>	<b>65.7</b>	<b>-5.5%</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

This document was developed by Public Health Ontario (PHO). PHO provides scientific and technical advice to Ontario's government, public health organizations and health care providers. PHO's work is guided by the current best available evidence at the time of publication.

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## For Further Information

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