COVID-19 in Ontario: January 15, 2020 to November 14, 2020

This report includes the most current information available from CCM and other case management systems (CCM plus) as of **November 14, 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 94,009 confirmed cases of COVID-19 in Ontario reported to date.

- Compared to the previous day*, this represents:

    - An increase of 1,248 confirmed cases (percent change of -21.1%)

    - An increase of 29 deaths (percent change of +45%)

    - An increase of 1,062 resolved cases (percent change of +5.9%)

*Due to a technical error approximately 40 case records from Toronto Public Health were not reported today, resulting in an underestimation of the daily counts for November 14.

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 13	Change in cases November 14*	Percentage change November 14 compared to November 13	Cumulative case count as of November 14
Total number of cases	1,581	1,248	-21.1%	94,009
Number of deaths	20	29	+45.0%	3,361
Number resolved	1,003	1,062	+5.9%	78,303

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
*Due to a technical error approximately 40 case records from Toronto Public Health were not reported today, resulting in an underestimation of the daily counts for November 14.

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

	Change in cases November 13	Change in cases November 14	Cumulative case count as of November 14
Gender: Male	798	601	45,450
Gender: Female	770	631	48,077
Ages: 19 and under	229	178	10,658
Ages: 20-39	612	480	34,028
Ages: 40-59	453	329	26,802
Ages: 60-79	219	173	13,825
Ages: 80 and over	67	87	8,683

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 14, 2020: Ontario

	Change in cases November 13	Change in cases November 14	Cumulative case count from August 30 to November 14
Ages: 4 to 8	43	35	1,417
Ages: 9 to 13	64	39	1,883
Ages: 14 to 17	49	46	1,936

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
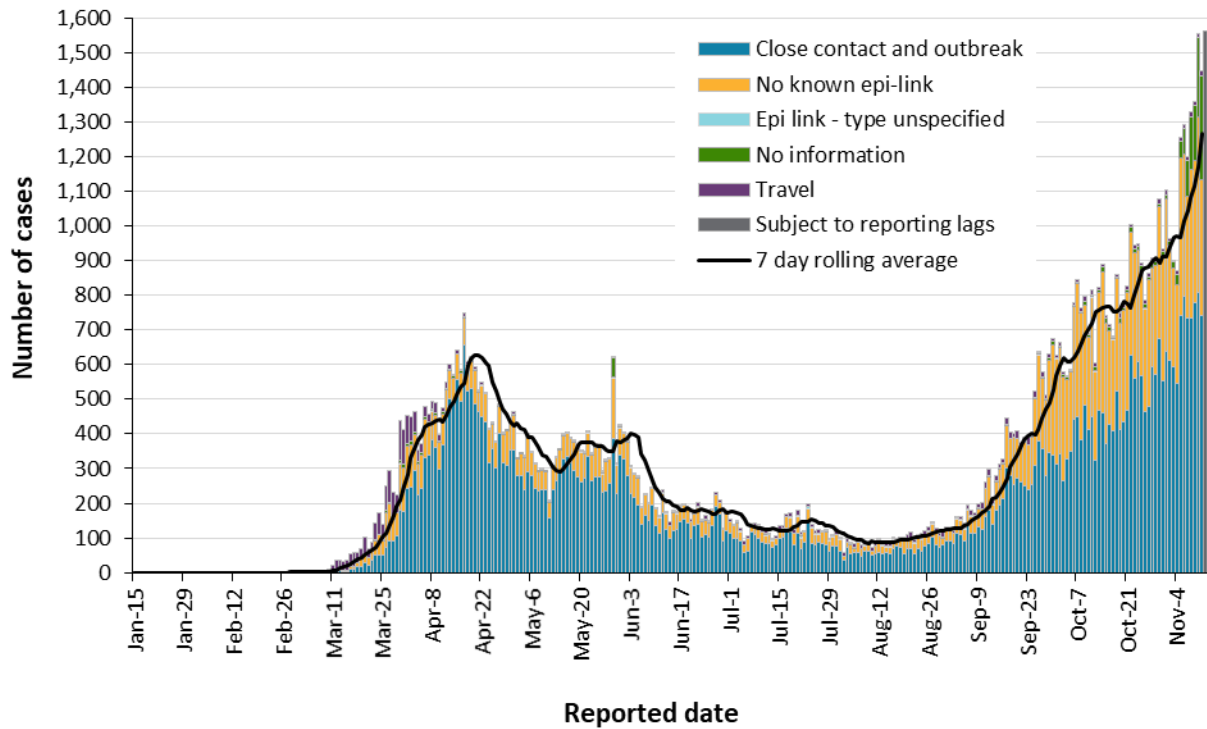
Long-term care home cases	Change in cases November 13	Change in cases November 14	Cumulative case count as of November 14
Residents	70	61	7,685
Health care workers	20	13	3,087
Deaths among residents	12	20	2,141
Deaths among health care workers	0	0	8

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.
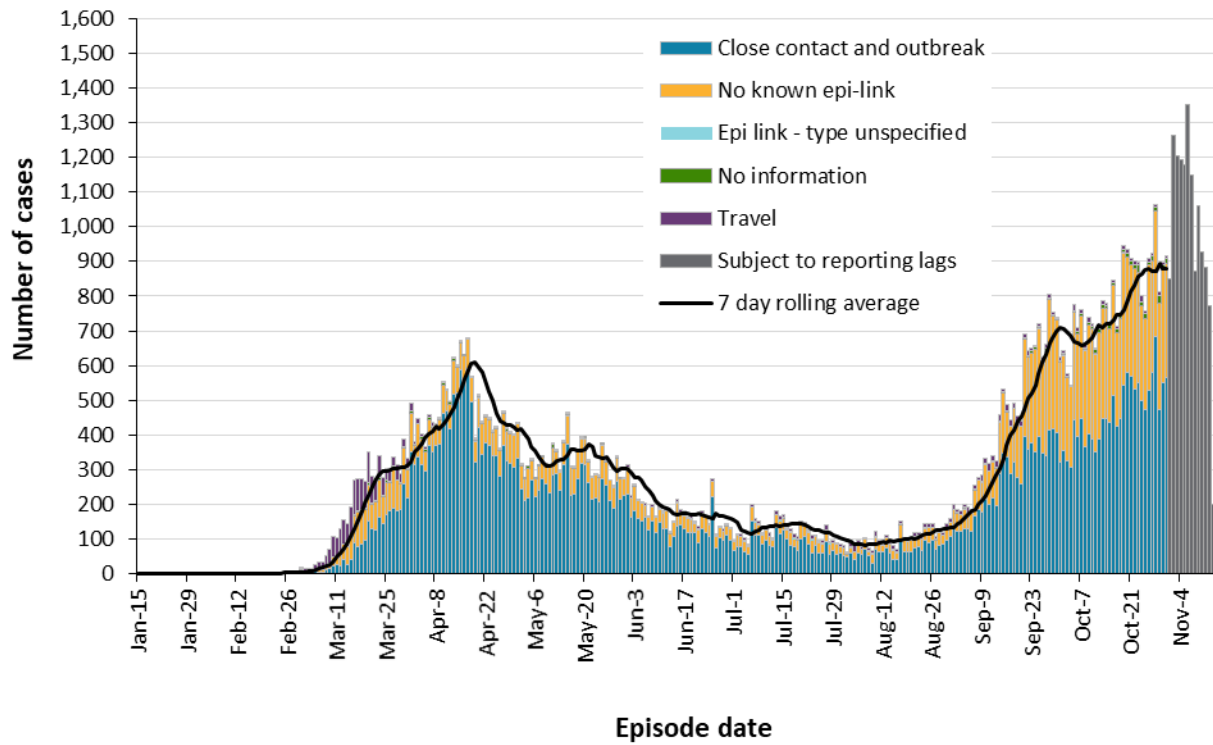**Data Source**: CCM plus

Time

Figure 1. Confirmed cases of COVID-19 by likely acquisition and public health unit reported date: Ontario, January 15, 2020 to November 14, 2020
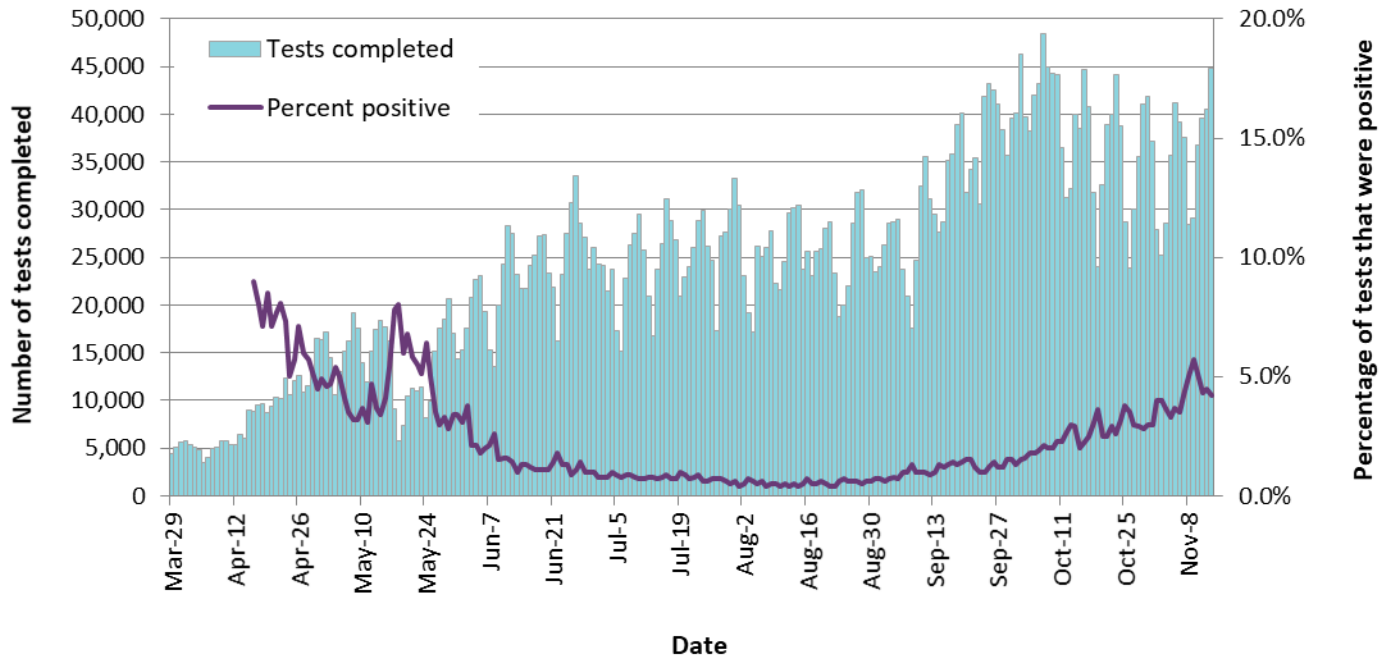

Data Source: CCM plus

Figure 2. Confirmed cases of COVID-19 by likely acquisition and approximation of symptom onset date: Ontario, January 15, 2020 to November 14, 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 13, 2020

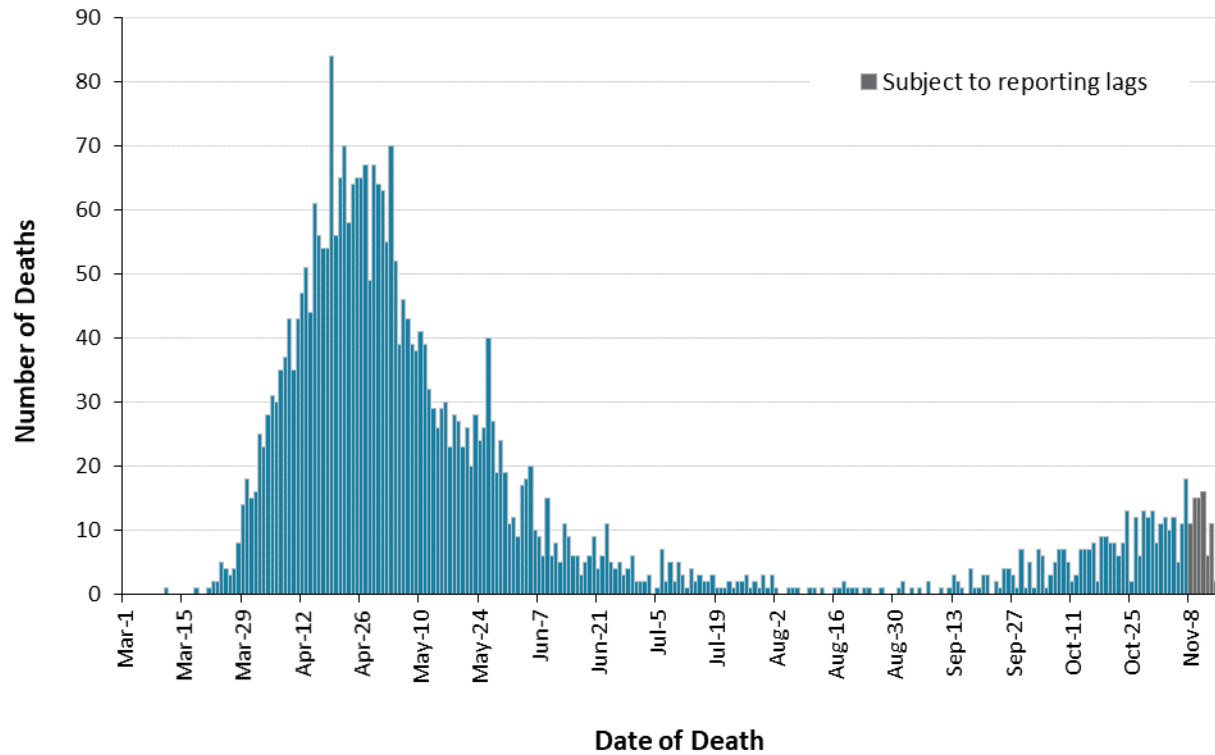**Note:** The number of tests performed does not reflect the number of specimens or persons tested. More than one test may be performed per specimen or per person. As such, the percentage of tests that were positive does not necessarily translate to the number of specimens or persons testing positive.

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 14, 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 14	Percentage of all cases
Cumulative deaths reported (please note there may be a reporting delay for deaths)	3,361	3.6%
Deaths reported in ages: 19 and under	1	0.0%
Deaths reported in ages: 20-39	11	0.0%
Deaths reported in ages: 40-59	137	0.5%
Deaths reported in ages: 60-79	889	6.4%
Deaths reported in ages: 80 and over	2,323	26.8%
Ever in ICU	1,319	1.4%
Ever hospitalized	6,561	7.0%

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 for hospitalizations and ICU are unavailable at this time due to a reporting error.
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 13	Change in cases November 14*	Cumulative case count	Cumulative rate per 100,000 population
Northwestern Health Unit	0	1	86	98.1
Thunder Bay District Health Unit	5	4	152	101.4
TOTAL NORTH WEST	5	5	238	100.2
Algoma Public Health	0	0	57	49.8
North Bay Parry Sound District Health Unit	0	0	54	41.6
Porcupine Health Unit	0	1	103	123.4
Public Health Sudbury & Districts	5	6	207	104.0
Timiskaming Health Unit	0	0	17	52.0
TOTAL NORTH EAST	5	7	438	78.3
Ottawa Public Health	77	62	7,904	749.4
Eastern Ontario Health Unit	5	5	734	351.7
Hastings Prince Edward Public Health	2	4	92	54.6
Kingston, Frontenac and Lennox & Addington Public Health	10	6	216	101.5
Leeds, Grenville & Lanark District Health Unit	2	0	474	273.7
Renfrew County and District Health Unit	2	1	116	106.8

Public Health Unit Name	Change in cases November 13	Change in cases November 14*	Cumulative case count	Cumulative rate per 100,000 population
TOTAL EASTERN	98	78	9,536	495.0
Durham Region Health Department	64	62	3,654	512.9
Haliburton, Kawartha, Pine Ridge District Health Unit	4	-1	269	142.4
Peel Public Health	497	308	18,882	1175.8
Peterborough Public Health	5	3	172	116.2
Simcoe Muskoka District Health Unit	34	26	1703	284.0
York Region Public Health	130	125	8,437	688.3
TOTAL CENTRAL EAST	734	523	33,117	739.1
Toronto Public Health	456	364	32,814	1051.6
TOTAL TORONTO	456	364	32,814	1051.6
Chatham-Kent Public Health	1	4	450	423.3
Grey Bruce Health Unit	5	5	201	118.3
Huron Perth Public Health	10	6	241	172.4
Lambton Public Health	3	2	386	294.7
Middlesex-London Health Unit	19	29	1,360	268.0
Southwestern Public Health	9	13	436	206.1
Windsor-Essex County Health Unit	44	23	3,073	723.3
TOTAL SOUTH WEST	91	82	6,147	363.6
Brant County Health Unit	11	4	459	295.7

Public Health Unit Name	Change in cases November 13	Change in cases November 14*	Cumulative case count	Cumulative rate per 100,000 population
City of Hamilton Public Health Services	34	31	2,400	405.3
Haldimand-Norfolk Health Unit	2	5	570	499.6
Halton Region Public Health	54	54	2,756	445.2
Niagara Region Public Health	19	23	1,818	384.8
Region of Waterloo Public Health and Emergency Services	67	48	2,674	457.6
Wellington-Dufferin-Guelph Public Health	5	24	1,042	334.1
TOTAL CENTRAL WEST	192	189	11,719	411.3
TOTAL ONTARIO	**1,581**	**1,248**	**94,009**	**632.4**

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

Data Source: CCM plus

*Due to a technical error approximately 40 case records from Toronto Public Health were not reported today, resulting in an underestimation of the daily counts for November 14.

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 13	Change in outbreaks November 14	Number of ongoing outbreaks	Cumulative number of outbreaks reported
Long-term care homes	5	3	96	633
Retirement homes	2	4	58	309
Hospitals	2	3	26	148

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 14, 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 14, 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 14, 2020 at 1 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 an 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.

- CCM/iPHIS cases for which the Disposition Status was reported as ENTERED IN ERROR, DOES NOT MEET DEFINITION, DOES NOT MEET, IGNORE, DUPLICATE-DO NOT USE, 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, October 30, 2020 to November 11, 2020

Public Health Unit Name	Oct 30 to Nov 5	Oct 31 to Nov 6	Nov 1 to Nov 7	Nov 2 to Nov 8	Nov 3 to Nov 9	Nov 4 to Nov 10	Nov 5 to Nov 11	% change from Oct 30-Nov 5 to Nov 5-11
NORTH WEST								
Northwestern Health Unit	4.6	5.7	6.8	5.7	5.7	4.6	9.1	+97.8%
Thunder Bay District Health Unit	2.0	3.3	8.0	10.0	15.3	16.0	17.3	+765.0%
NORTH EAST								
Algoma Public Health	3.5	3.5	3.5	9.6	8.7	9.6	8.7	+148.6%
North Bay Parry Sound District Health Unit	1.5	1.5	1.5	3.1	3.1	5.4	6.2	+313.3%
Porcupine Health Unit	1.2	2.4	1.2	2.4	2.4	3.6	3.6	+200.0%
Public Health Sudbury & Districts	10.0	19.1	19.1	22.6	24.6	27.6	29.6	+196.0%
Timiskaming Health Unit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
EASTERN								
Ottawa Public Health	42.2	38.1	37.4	37.0	34.6	36.1	39.0	-7.6%
Eastern Ontario Health Unit	33.5	33.1	30.7	30.2	31.6	28.3	26.4	-21.2%
Hastings Prince Edward Public Health	3.0	2.4	1.8	1.8	1.8	1.8	1.2	-60.0%
Kingston, Frontenac and Lennox & Addington Public Health	1.9	2.4	2.4	4.2	4.7	6.1	9.4	+394.7%

Public Health Unit Name	Oct 30 to Nov 5	Oct 31 to Nov 6	Nov 1 to Nov 7	Nov 2 to Nov 8	Nov 3 to Nov 9	Nov 4 to Nov 10	Nov 5 to Nov 11	% change from Oct 30-Nov 5 to Nov 5-11
Leeds, Grenville & Lanark District Health Unit	2.9	4.0	5.2	5.2	7.5	9.2	8.7	+200.0%
Renfrew County and District Health Unit	7.4	8.3	8.3	6.4	6.4	5.5	6.4	-13.5%
CENTRAL EAST								
Durham Region Health Department	37.3	38.6	40.3	34.7	33.1	37.8	42.7	+14.5%
Haliburton, Kawartha, Pine Ridge District Health Unit	3.2	2.6	2.6	3.2	3.7	3.2	2.6	-18.8%
Peel Public Health	114.1	115.1	120.6	124.7	136.9	149.9	160.0	+40.2%
Peterborough Public Health	4.1	4.1	4.7	4.7	4.7	7.4	8.8	+114.6%
Simcoe Muskoka District Health Unit	23.3	22.3	19.0	19.2	18.7	20.3	22.0	-5.6%
York Region Public Health	51.5	55.2	55.5	55.2	59.8	67.7	75.1	+45.8%
TORONTO								
Toronto Public Health	76.7	80.3	82.4	85.7	89.3	95.0	99.8	+30.1%
SOUTH WEST								
Chatham-Kent Public Health	9.4	8.5	10.3	8.5	8.5	21.6	22.6	+140.4%
Grey Bruce Health Unit	2.9	3.5	6.5	7.1	8.2	8.2	10.6	+265.5%
Huron Perth Public Health	15.0	14.3	16.5	22.2	34.3	40.1	43.6	+190.7%
Lambton Public Health	5.3	4.6	6.1	6.1	5.3	4.6	4.6	-13.2%
Middlesex-London Health Unit	13.0	14.6	20.1	23.6	24.0	24.2	28.2	+116.9%

Public Health Unit Name	Oct 30 to Nov 5	Oct 31 to Nov 6	Nov 1 to Nov 7	Nov 2 to Nov 8	Nov 3 to Nov 9	Nov 4 to Nov 10	Nov 5 to Nov 11	% change from Oct 30-Nov 5 to Nov 5-11
Southwestern Public Health	24.1	24.1	23.6	17.0	12.8	18.9	22.2	-7.9%
Windsor-Essex County Health Unit	14.1	13.9	17.9	20.2	20.5	25.4	31.5	+123.4%
CENTRAL WEST								
Brant County Health Unit	43.8	45.7	37.4	36.7	30.9	29.0	31.6	-27.9%
City of Hamilton Public Health Services	42.9	44.9	48.3	52.7	54.4	56.9	55.6	+29.6%
Haldimand-Norfolk Health Unit	14.0	16.7	21.0	22.8	22.8	21.0	17.5	+25.0%
Halton Region Public Health	47.5	52.3	57.3	58.0	55.6	55.6	55.6	+17.1%
Niagara Region Public Health	37.9	37.5	36.8	37.0	42.1	43.4	45.3	+19.5%
Region of Waterloo Public Health and Emergency Services	27.0	28.4	30.6	34.1	38.3	42.4	45.5	+68.5%
Wellington-Dufferin-Guelph Public Health	22.4	20.5	25.0	27.3	28.2	30.5	31.7	+41.5%
TOTAL ONTARIO	**47.8**	**49.2**	**51.0**	**52.5**	**55.2**	**59.6**	**63.5**	**+32.8%**

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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Citation

Ontario Agency for Health Protection and Promotion (Public Health Ontario). Epidemiologic summary: COVID-19 in Ontario – January 15, 2020 to November 14, 2020. Toronto, ON: Queen's Printer for Ontario; 2020.

For Further Information

For more information, email cd@oahpp.ca.

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