

Daily Epidemiologic Summary

COVID-19 in Ontario: January 15, 2020 to January 8, 2021

This report includes the most current information available from CCM and other case management systems (CCM plus) as of **January 8, 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 211,837 confirmed cases of COVID-19 in Ontario reported to date.
- Compared to the previous day, this represents:
 - An increase of 3,443 confirmed cases (percent change of -19.0%)
 - An increase of 40 deaths (percent change of +53.8%)
 - An increase of 2,915 resolved cases (percent change of +6.5%)

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 January 7, 2021	Change in cases January 8, 2021	Percentage change January 8, 2021 compared to January 7, 2021	Cumulative case count as of January 8, 2021
Total number of cases	4,249*	3,443	-19.0%	211,837
Number of deaths	26	40	+53.8%	4,922
Number resolved	2,738	2,915	+6.5%	178,224

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.

Data Source: CCM plus

* Due to a data upload catch-up in CORES, cases reported on January 7, 2021 for Toronto Public Health include additional records from previous days as well as new cases. This catch-up impacts overall case counts for Ontario.

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

	Change in cases January 7, 2021	Change in cases January 8, 2021	Cumulative case count as of January 8, 2021
Gender: Male	2,030	1,652	103,414
Gender: Female	2,180	1,737	107,079
Ages: 19 and under	558	491	27,501
Ages: 20-39	1,618	1,261	77,259
Ages: 40-59	1,217	979	61,159
Ages: 60-79	602	494	30,625
Ages: 80 and over	259	213	15,240

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 8, 2021: Ontario

	Change in cases January 7, 2021	Change in cases January 8, 2021	Cumulative case count from August 30, 2020 to January 8, 2021
Ages: 4 to 8	91	85	4,418
Ages: 9 to 13	135	105	6,223
Ages: 14 to 17	129	141	6,281

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

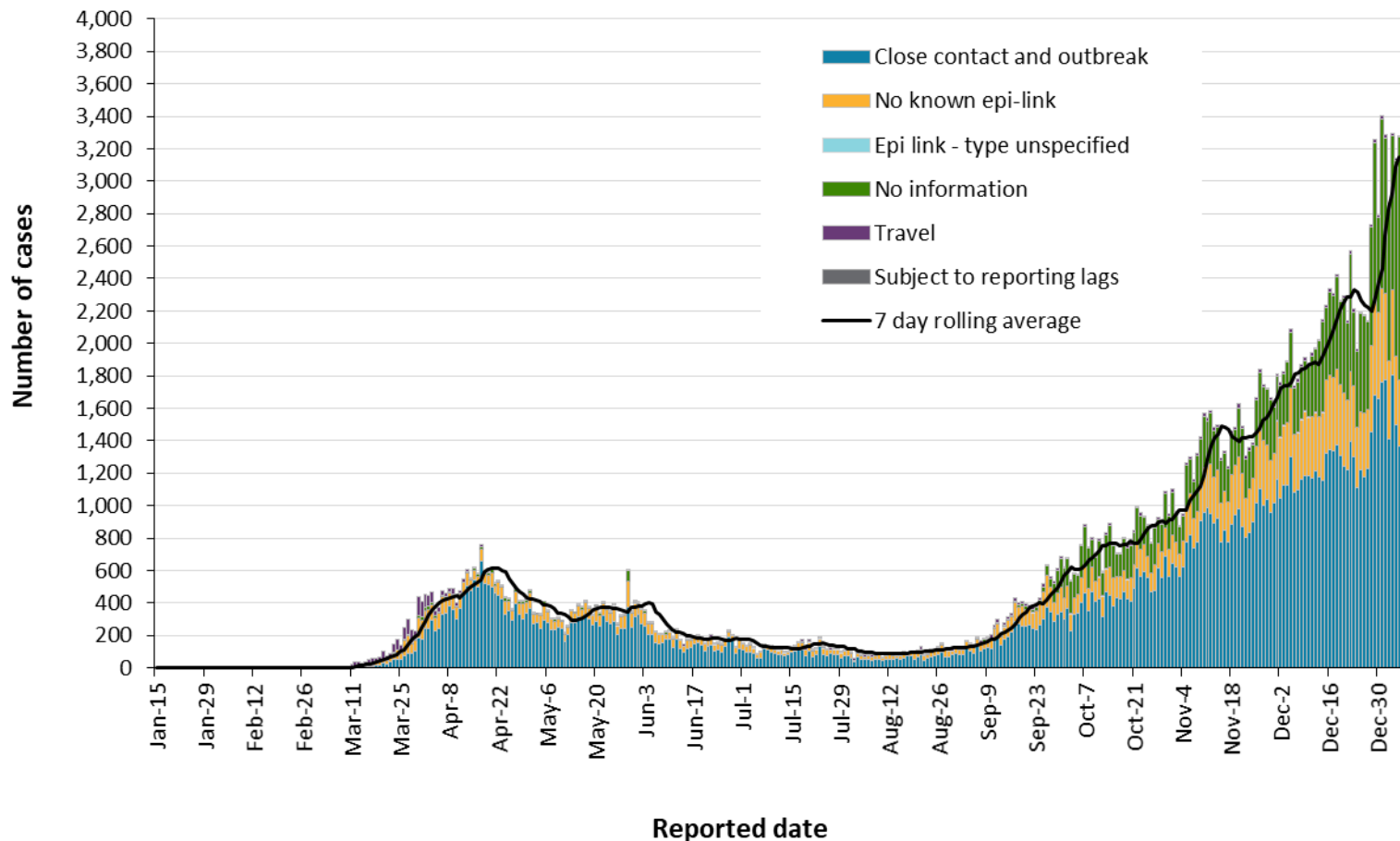
Long-term care home cases	Change in cases January 7, 2021	Change in cases January 8, 2021	Cumulative case count as of January 8, 2021
Residents	159	158	12,073
Health care workers	51	54	4,695
Deaths among residents	15	26	2,969
Deaths among health care workers	0	0	9

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

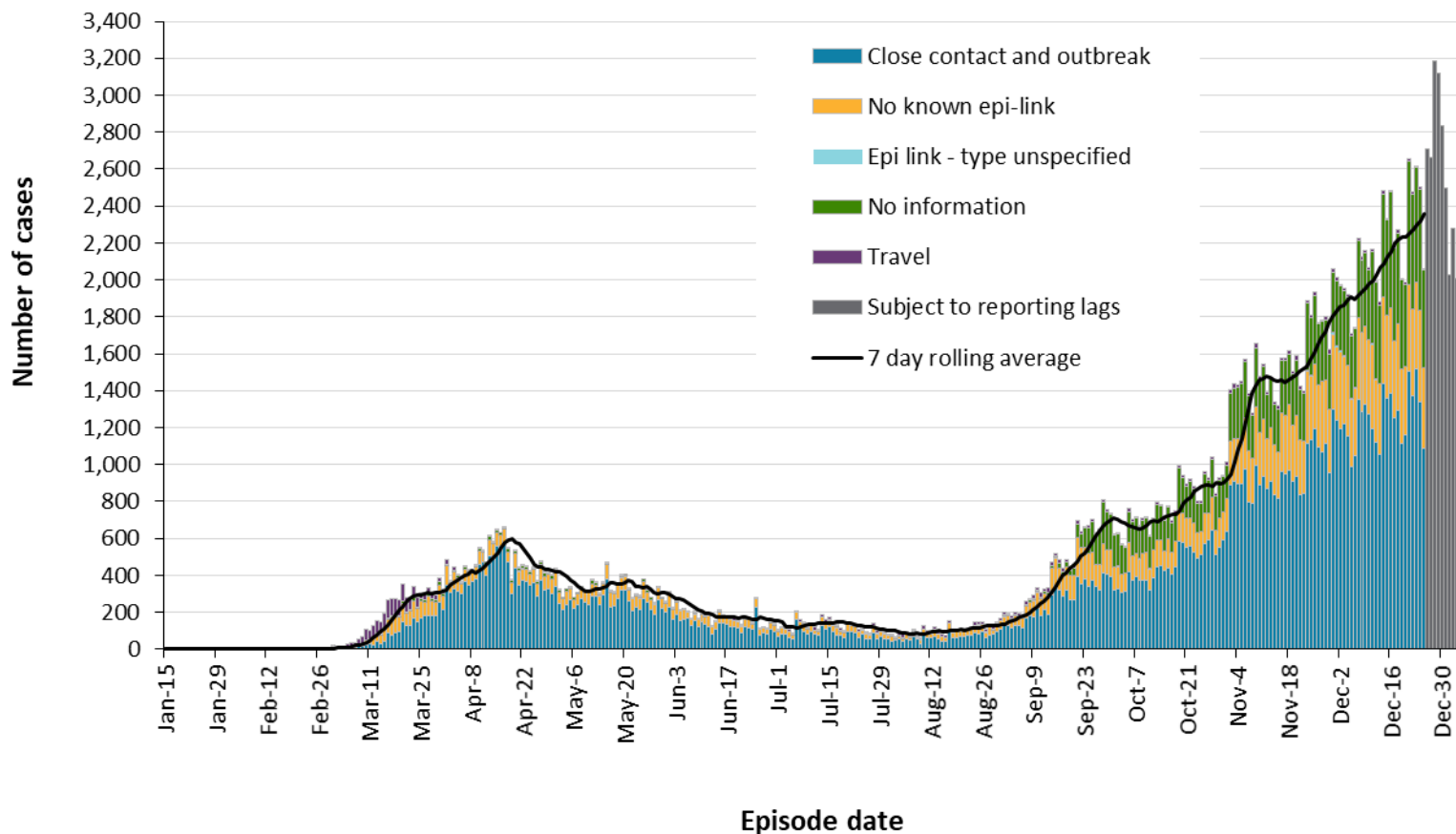
Figure 1. Confirmed cases of COVID-19 by likely acquisition and public health unit reported date: Ontario, January 15, 2020 to January 8, 2021



Data Source: CCM plus

COVID-19 in Ontario: January 15, 2020 to January 8, 2021

Figure 2. Confirmed cases of COVID-19 by likely acquisition and approximation of symptom onset date: Ontario, January 15, 2020 to January 8, 2021

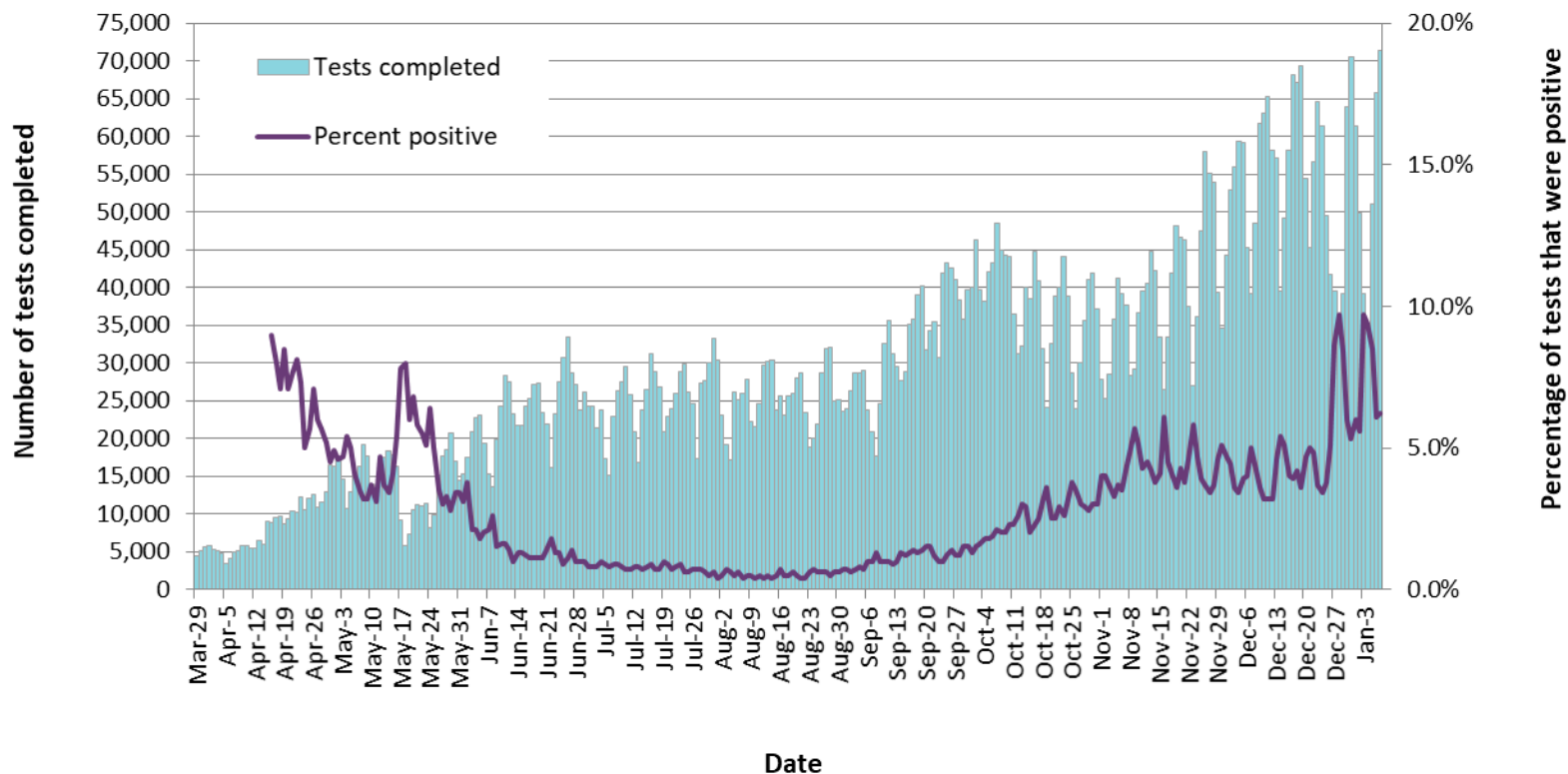


Note: Not all cases may have an episode date and those without one are not included in the figure. Episode date is defined and available in the technical notes.

Data Source: CCM plus

COVID-19 in Ontario: January 15, 2020 to January 8, 2021

Figure 3. Number of COVID-19 tests completed and percent positivity: Ontario, March 29, 2020 to January 7, 2021

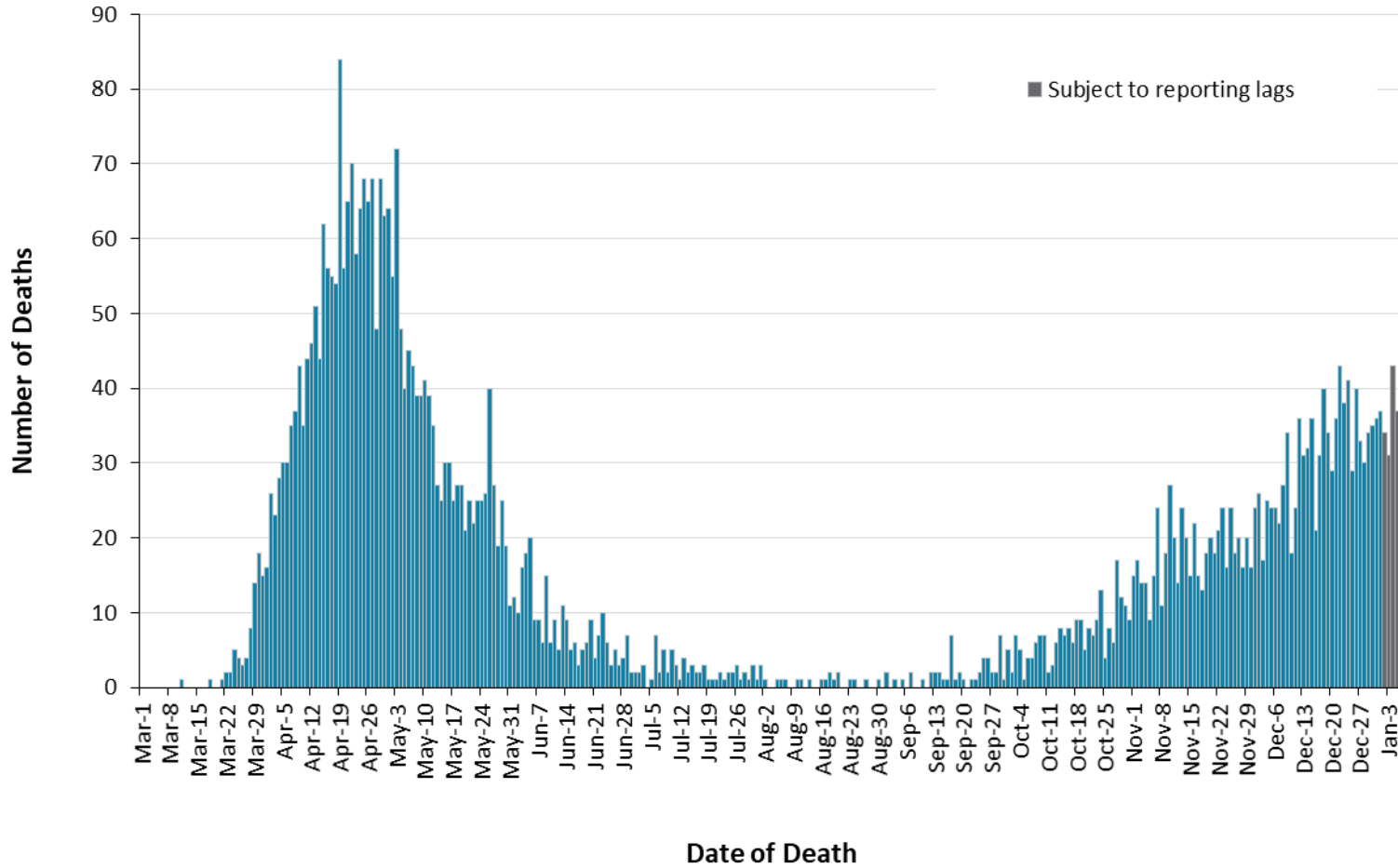


Note: The number of tests performed does not reflect the number of specimens or persons tested. More than one test may be performed per specimen or per person. As such, the percentage of tests that were positive does not necessarily translate to the number of specimens or persons testing positive.

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 8, 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 8, 2021	Percentage of all cases
Cumulative deaths reported (please note there may be a reporting delay for deaths)	4,922	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	191	0.3%
Deaths reported in ages: 60-79	1,315	4.3%
Deaths reported in ages: 80 and over	3,394	22.3%
Ever in ICU	2,081	1.0%
Ever hospitalized	10,755	5.1%

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 7, 2021	Change in cases January 8, 2021	Cumulative case count	Cumulative rate per 100,000 population
Northwestern Health Unit	7	1	204	232.7
Thunder Bay District Health Unit	8	5	634	422.8
TOTAL NORTH WEST	15	6	838	352.6
Algoma Public Health	3	10	117	102.2
North Bay Parry Sound District Health Unit	1	1	162	124.9
Porcupine Health Unit	6	11	152	182.2
Public Health Sudbury & Districts	13	13	332	166.8
Timiskaming Health Unit	1	0	83	253.9
TOTAL NORTH EAST	24	35	846	151.2
Ottawa Public Health	154	179	11,189	1,060.9
Eastern Ontario Health Unit	45	42	1787	856.2
Hastings Prince Edward Public Health	4	2	318	188.7
Kingston, Frontenac and Lennox & Addington Public Health	12	2	596	280.2
Leeds, Grenville & Lanark District Health Unit	7	3	732	422.7
Renfrew County and District Health Unit	12	9	276	254.1

Public Health Unit Name	Change in cases January 7, 2021	Change in cases January 8, 2021	Cumulative case count	Cumulative rate per 100,000 population
TOTAL EASTERN	234	237	14,898	773.4
Durham Region Health Department	170	166	8,665	1,216.3
Haliburton, Kawartha, Pine Ridge District Health Unit	13	10	630	333.4
Peel Public Health	691	548	44,368	2,762.7
Peterborough Public Health	8	8	419	283.2
Simcoe Muskoka District Health Unit	75	71	4,164	694.5
York Region Public Health	427	303	20,475	1,670.3
TOTAL CENTRAL EAST	1,384	1,106	78,721	1,756.9
Toronto Public Health	1,382*	1,070	66,502	2,131.2
TOTAL TORONTO	1,382	1,070	66,502	2,131.2
Chatham-Kent Public Health	10	11	852	801.4
Grey Bruce Health Unit	20	11	541	318.5
Huron Perth Public Health	31	22	852	609.6
Lambton Public Health	56	45	1,178	899.5
Middlesex-London Health Unit	53	80	4,073	802.5
Southwestern Public Health	40	47	1,695	801.4
Windsor-Essex County Health Unit	184	282	9,410	2,215.0
TOTAL SOUTH WEST	394	498	18,601	1,100.1
Brant County Health Unit	41	15	1,193	768.7

Public Health Unit Name	Change in cases January 7, 2021	Change in cases January 8, 2021	Cumulative case count	Cumulative rate per 100,000 population
City of Hamilton Public Health Services	176	67	7,259	1,225.8
Haldimand-Norfolk Health Unit	20	26	1,058	927.4
Halton Region Public Health	134	78	6,585	1,063.7
Niagara Region Public Health	213	134	5,155	1,091.0
Region of Waterloo Public Health and Emergency Services	147	116	7,032	1,203.4
Wellington-Dufferin-Guelph Public Health	85	55	3,149	1,009.6
TOTAL CENTRAL WEST	816	491	31,431	1,103.1
TOTAL ONTARIO	4,249	3,443	211,837	1,425.1

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 data upload catch-up in CORES, cases reported on January 7, 2021 for Toronto Public Health include additional records from previous days as well as new cases. This catch-up impacts overall case counts for Ontario.

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 7, 2021	Change in outbreaks January 8, 2021	Number of ongoing outbreaks	Cumulative number of outbreaks reported
Long-term care homes	7	16	240	1,004
Retirement homes	11	11	151	555
Hospitals	8	8	74	281

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 8, 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 8, 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 8, 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, December 24, 2020 to January 5, 2021

Public Health Unit Name	Dec 24 to Dec 30	Dec 25 to Dec 31	Dec 26 to Jan 1	Dec 27 to Jan 2	Dec 28 to Jan 3	Dec 29 to Jan 4	Dec 30 to Jan 5	% change from Dec 24-30 to Dec 30-Jan 5
NORTH WEST								
Northwestern Health Unit	25.1	21.7	19.4	19.4	18.2	18.2	34.2	+36.3%
Thunder Bay District Health Unit	22.7	18.7	16.0	20.7	20.7	22.0	20.7	-8.8%
NORTH EAST								
Algoma Public Health	0.9	7.0	10.5	12.2	15.7	23.6	27.1	+2,911.1%
North Bay Parry Sound District Health Unit	10.8	7.7	11.6	13.1	17.0	21.6	27.7	+156.5%
Porcupine Health Unit	3.6	3.6	4.8	4.8	4.8	4.8	7.2	+100.0%
Public Health Sudbury & Districts	9.0	10.6	11.1	10.6	12.6	13.1	18.1	+101.1%
Timiskaming Health Unit	64.2	61.2	55.1	48.9	42.8	42.8	36.7	-42.8%
EASTERN								
Ottawa Public Health	46.8	54.2	56.9	64.2	72.0	76.3	79.6	+70.1%

Public Health Unit Name	Dec 24 to Dec 30	Dec 25 to Dec 31	Dec 26 to Jan 1	Dec 27 to Jan 2	Dec 28 to Jan 3	Dec 29 to Jan 4	Dec 30 to Jan 5	% change from Dec 24-30 to Dec 30-Jan 5
Eastern Ontario Health Unit	78.1	88.6	109.2	128.4	145.7	146.6	149.5	+91.4%
Hastings Prince Edward Public Health	10.1	17.8	19.6	20.2	22.0	20.8	20.8	+105.9%
Kingston, Frontenac and Lennox & Addington Public Health	20.7	20.2	20.7	18.8	21.2	24.4	26.8	+29.5%
Leeds, Grenville & Lanark District Health Unit	19.1	22.5	28.9	29.5	26.6	26.6	28.3	+48.2%
Renfrew County and District Health Unit	12.0	10.1	12.9	21.2	22.1	19.3	19.3	+60.8%
CENTRAL EAST								
Durham Region Health Department	94.6	105.4	114.0	132.1	142.3	143.7	142.9	+51.1%
Haliburton, Kawartha, Pine Ridge District Health Unit	25.4	29.6	33.3	37.0	41.3	42.3	46.0	+81.1%
Peel Public Health	180.9	197.1	215.6	210.8	225.2	233.7	240.5	+32.9%

Public Health Unit Name	Dec 24 to Dec 30	Dec 25 to Dec 31	Dec 26 to Jan 1	Dec 27 to Jan 2	Dec 28 to Jan 3	Dec 29 to Jan 4	Dec 30 to Jan 5	% change from Dec 24-30 to Dec 30-Jan 5
Peterborough Public Health	41.2	41.2	45.3	48.7	48.7	50.0	54.7	+32.8%
Simcoe Muskoka District Health Unit	63.0	67.7	65.0	68.0	69.5	68.5	75.1	+19.2%
York Region Public Health	150.6	163.7	167.7	180.8	202.3	205.0	202.7	+34.6%
TORONTO								
Toronto Public Health	152.3	161.8	167.3	173.9	177.6	176.3	172.2	+13.1%
SOUTH WEST								
Chatham-Kent Public Health	87.5	103.5	111.0	116.6	143.9	141.1	127.0	+45.1%
Grey Bruce Health Unit	16.5	18.2	24.7	25.3	28.8	30.0	33.6	+103.6%
Huron Perth Public Health	74.4	68.7	82.3	78.7	95.2	90.9	82.3	+10.6%
Lambton Public Health	136.7	193.9	215.3	231.4	243.6	280.2	267.2	+95.5%
Middlesex-London Health Unit	108.0	114.5	121.6	119.8	127.1	143.0	136.5	+26.4%
Southwestern Public Health	138.1	159.3	159.8	163.1	167.4	168.3	149.9	+8.5%
Windsor-Essex County Health Unit	316.8	351.4	355.0	360.4	359.9	347.9	332.4	+4.9%

Public Health Unit Name	Dec 24 to Dec 30	Dec 25 to Dec 31	Dec 26 to Jan 1	Dec 27 to Jan 2	Dec 28 to Jan 3	Dec 29 to Jan 4	Dec 30 to Jan 5	% change from Dec 24-30 to Dec 30-Jan 5
CENTRAL WEST								
Brant County Health Unit	64.4	78.0	85.7	90.2	107.0	96.0	103.7	+61.0%
City of Hamilton Public Health Services	140.8	152.8	158.1	161.9	164.7	161.4	159.9	+13.6%
Haldimand-Norfolk Health Unit	91.2	86.8	107.8	110.4	114.0	124.5	118.3	+29.7%
Halton Region Public Health	97.6	104.8	114.4	109.2	114.8	115.0	120.2	+23.2%
Niagara Region Public Health	139.3	140.3	153.2	156.4	162.5	178.4	186.2	+33.7%
Region of Waterloo Public Health and Emergency Services	88.1	94.1	108.5	116.2	130.9	141.4	144.4	+63.9%
Wellington-Dufferin-Guelph Public Health	97.5	101.6	113.2	116.1	118.0	124.7	135.3	+38.8%
TOTAL ONTARIO	116.0	125.7	133.1	137.8	145.5	148.3	148.4	+27.9%

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.

Public Health Ontario

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