

DAILY EPIDEMIOLOGICAL SUMMARY

COVID-19 in Ontario: January 15, 2020 to February 2, 2022

This report includes the most current information available from CCM as of **February 2, 2022**.

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

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. For more information about whole genome sequencing, please see the [SARS CoV-2 Whole Genome Sequencing in Ontario 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 1,043,923 confirmed cases of COVID-19 in Ontario reported to date.
- Compared to the previous day, this represents:
 - An increase of 4,098 confirmed cases (percent change of +4.8%)
 - An increase of 74* deaths (percent change of +10.4%)
 - An increase of 5,901 resolved cases (percent change of +20.1%)

* This number only includes deaths that have occurred in the last month. In addition, there was 1 death that occurred more than one month ago and was added to the cumulative count based on data cleaning.

Due to changes in the availability of testing, driven by increasing COVID-19 cases related to the Omicron variant, case counts in this report are an underestimate of the true number of individuals with COVID-19 in Ontario. In addition, data for hospitalizations, intensive care unit (ICU) admission and deaths in the most recent reporting period should be interpreted with caution due to data entry and reporting lags. For more information, please see our data caveats and check out [our blog](#). Effective, December 31, 2021, the Ministry of Health updated its eligibility requirements for molecular testing (PCR or rapid molecular testing). Details can be found in the Ministry of Health [Interim Guidance](#).

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, sex) 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 February 1, 2022	Change in cases February 2, 2022	Percentage change February 2, 2022 compared to February 1, 2022	Cumulative case count as of February 2, 2022
Total number of cases	3,909	4,098	+4.8%	1,043,923
Number of deaths	67	74	+10.4%	11,651*
Number resolved	4,912	5,901	+20.1%	992,616

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 number of deaths presented in the change in cases column for each day only includes deaths that occurred in the last 30 days.

* 1 death was added to the cumulative total based on data cleaning.

Data Source: CCM

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

	Change in cases February 1, 2022	Change in cases February 2, 2022	Cumulative case count as of February 2, 2022
Sex: Male	1,693	1,640	499,893
Sex: Female	2,150	2,408	538,591
Ages: 0-4	179	155	30,437
Ages: 5-11	272	263	62,313
Ages: 12-19	219	232	89,704
Ages: 20-39	1,369	1,474	401,276
Ages: 40-59	1,076	1,030	290,117
Ages: 60-79	515	541	125,797
Ages: 80 and over	274	400	43,968

Note: Not all cases have an age or sex 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, sex) differing from past publicly reported case counts.

Data Source: CCM

Table 2. Summary of recent confirmed cases of COVID-19 in long-term care homes: Ontario

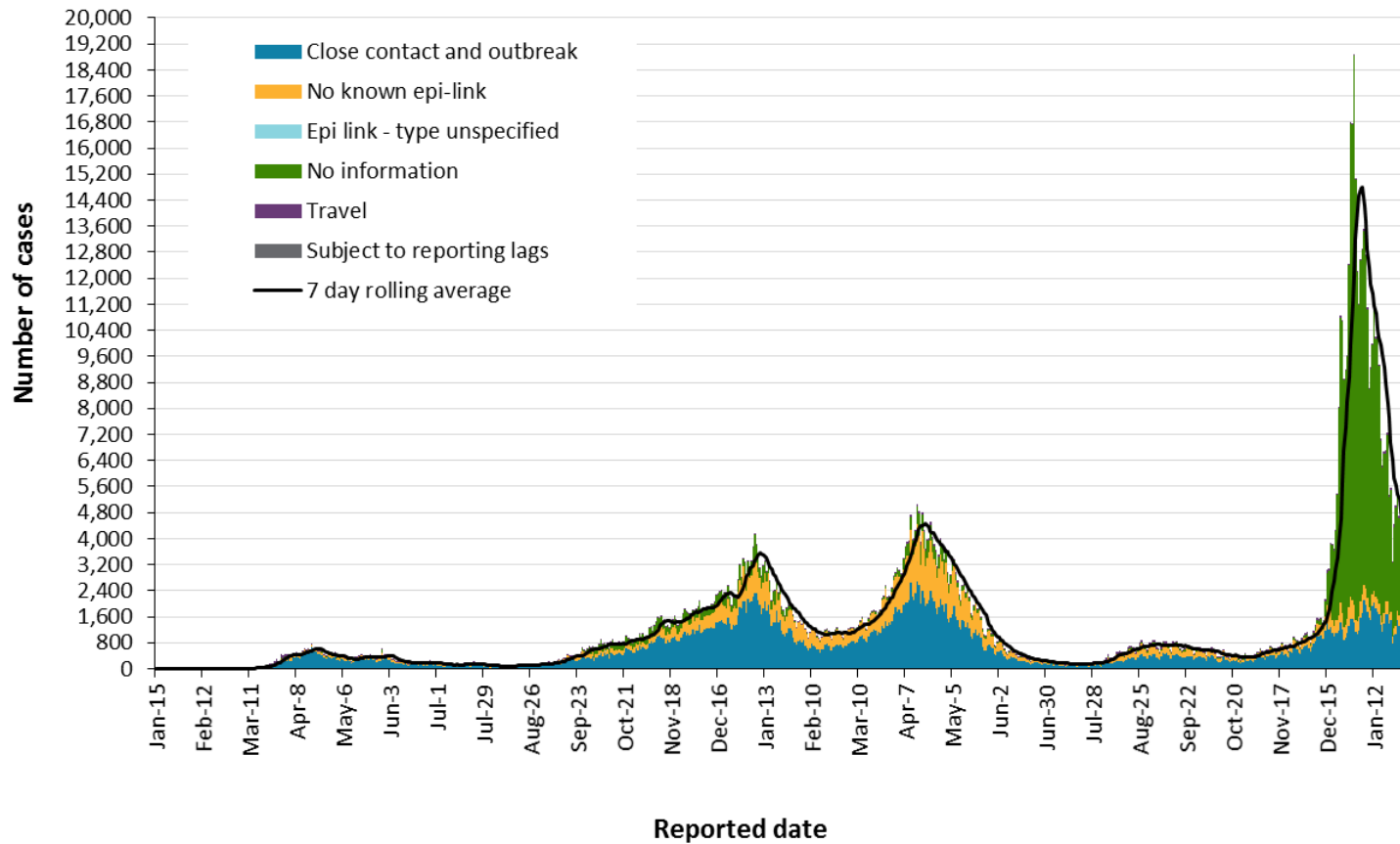
Long-term care home cases	Change in cases February 1, 2022	Change in cases February 2, 2022	Cumulative case count as of February 2, 2022
Residents	174	286	22,829
Health care workers	69	79	9,789
Deaths among residents	11	18	4,316
Deaths among health care workers	0	0	10

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

Time

Figure 1. Confirmed cases of COVID-19 by likely acquisition and public health unit reported date: Ontario, January 15, 2020 to February 2, 2022

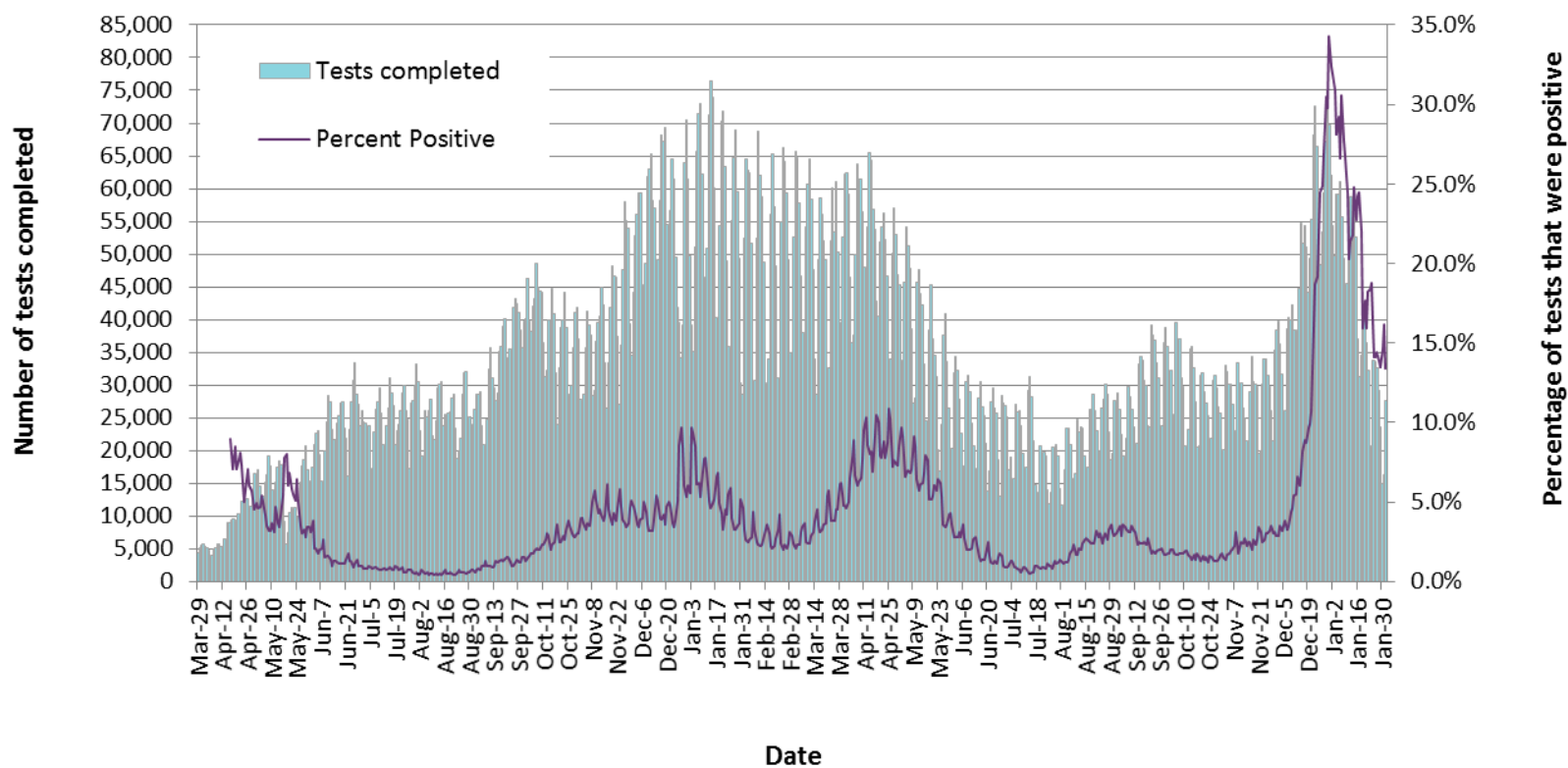


Note: Changes in testing eligibility went into effect on December 31, 2021, limiting access to testing and resulting in a change in the population being tested.

Data Source: CCM

COVID-19 in Ontario: January 15, 2020 to February 2, 2022

Figure 2. Number of COVID-19 tests completed and percent positivity: Ontario, March 29, 2020 to February 1, 2022

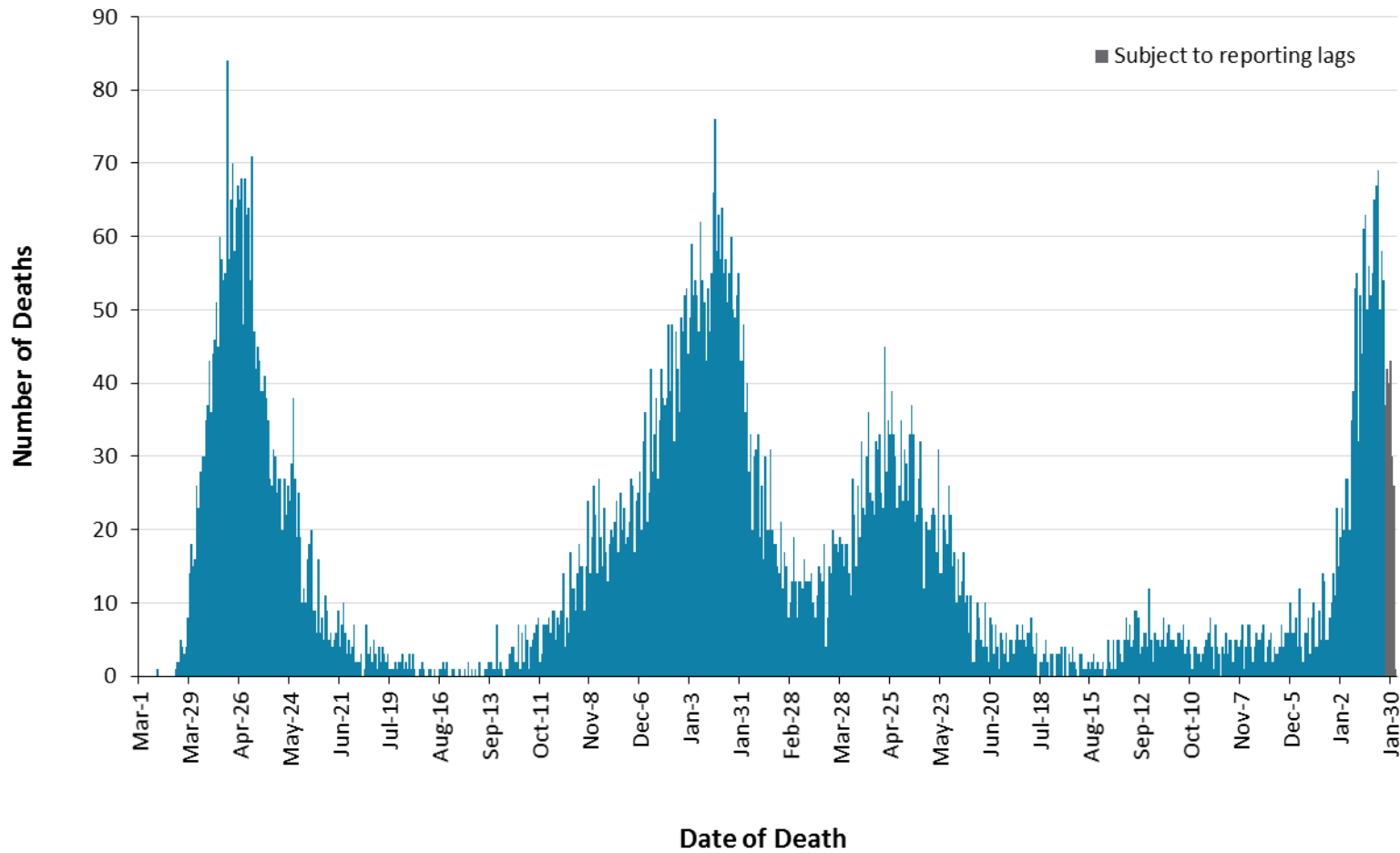


Note: The number of tests performed does not reflect the number of specimens or persons tested. More than one test may be performed per specimen or per person. As such, the percentage of tests that were positive does not necessarily translate to the number of specimens or persons testing positive. Changes in testing eligibility went into effect on December 31, 2021, limiting access to testing and resulting in a change in the population being tested.

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

Severity

Figure 3. Confirmed deaths among COVID-19 cases by date of death: Ontario, March 1, 2020 to February 2, 2022



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

Data Source: CCM

Table 3. Confirmed cases of COVID-19 by severity: Ontario

	Cumulative case count as of February 2, 2022	Percentage of all cases
Cumulative deaths reported (please note there may be a reporting delay for deaths)	11,651	1.1%
Deaths reported in ages: 19 and under	10	<0.1%
Deaths reported in ages: 20-39	126	<0.1%
Deaths reported in ages: 40-59	845	0.3%
Deaths reported in ages: 60-79	3,870	3.1%
Deaths reported in ages: 80 and over	6,798	15.5%
Ever in ICU	7,361	0.7%
Ever hospitalized	39,549	3.8%

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. Percentage of deaths reported for each age group is calculated using all cases in the age group as the denominator.

Data Source: CCM

Geography

Table 4. Summary of recent confirmed cases of COVID-19 by public health unit and region: Ontario

Public Health Unit Name	Change in cases February 1, 2022	Change in cases February 2, 2022	Cumulative case count	Cumulative rate per 100,000 population
Northwestern Health Unit	34	51	3,424	4,217.5
Thunder Bay District Health Unit	69	97	6,984	4,428.5
TOTAL NORTH WEST	103	148	10,408	4,356.8
Algoma Public Health	49	45	3,816	3,238.3
North Bay Parry Sound District Health Unit	36	37	2,911	2,251.2
Porcupine Health Unit	47	71	4,385	5,158.8
Public Health Sudbury & Districts	84	112	9,334	4,547.5
Timiskaming Health Unit	11	8	988	2,915.7
TOTAL NORTH EAST	227	273	21,434	3,751.9
Ottawa Public Health	283	289	58,687	5,626.0
Eastern Ontario Health Unit	36	104	12,747	5,905.2
Hastings Prince Edward Public Health	58	42	5,913	3,421.3
Kingston, Frontenac and Lennox & Addington Public Health	55	35	8,766	4,189.6
Leeds, Grenville & Lanark District Health Unit	65	58	5,772	3,207.6
Renfrew County and District Health Unit	29	34	2,895	2,668.8
TOTAL EASTERN	526	562	94,780	4,912.2

Public Health Unit Name	Change in cases February 1, 2022	Change in cases February 2, 2022	Cumulative case count	Cumulative rate per 100,000 population
Durham Region Health Department	175	189	50,521	7,101.4
Haliburton, Kawartha, Pine Ridge District Health Unit	60	31	6,332	3,319.9
Peel Public Health	362	411	167,342	10,702.0
Peterborough Public Health	38	23	5,023	3,391.2
Simcoe Muskoka District Health Unit	168	251	32,269	5,338.0
York Region Public Health	257	137	95,191	7,930.9
TOTAL CENTRAL EAST	1,060	1,042	356,678	8,072.0
Toronto Public Health	716	673	269,501	9,018.2
TOTAL TORONTO	716	673	269,501	9,018.2
Chatham-Kent Public Health	32	45	6,166	5,783.2
Grey Bruce Health Unit	23	57	5,513	3,129.7
Huron Perth Public Health	34	37	5,174	3,537.9
Lambton Public Health	18	87	8,881	6,678.8
Middlesex-London Health Unit	164	205	29,561	5,789.4
Southwestern Public Health	59	73	10,353	4,729.4
Windsor-Essex County Health Unit	176	158	34,855	8,088.0
TOTAL SOUTH WEST	506	662	100,503	5,834.9
Brant County Health Unit	53	46	9,362	6,096.7
City of Hamilton Public Health Services	176	168	46,220	7,945.4
Haldimand-Norfolk Health Unit	46	46	6,501	5,417.1

Public Health Unit Name	Change in cases February 1, 2022	Change in cases February 2, 2022	Cumulative case count	Cumulative rate per 100,000 population
Halton Region Public Health	160	100	40,669	6,660.8
Niagara Region Public Health	120	148	31,788	6,598.8
Region of Waterloo Public Health and Emergency Services	158	175	38,662	6,388.0
Wellington-Dufferin-Guelph Public Health	58	55	17,417	5,582.5
TOTAL CENTRAL WEST	771	738	190,619	6,653.8
TOTAL ONTARIO	3,909	4,098	1,043,923	7,085.1

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

Data Source: CCM

Outbreaks

Table 5. 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 February 1, 2022	Change in outbreaks February 2, 2022	Number of ongoing outbreaks	Cumulative number of outbreaks reported
Long-term care homes	4	5	322	2,078
Retirement homes	11	4	206	1,359
Hospitals	4	11	180	1,068

Note: Ongoing outbreaks are those that are reported in CCM as 'Open' and without a 'Declared Over Date' recorded. 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

Technical Notes

Data Sources

- The data for this report were based on information successfully extracted from the Public Health Case and Contact Management Solution (CCM) for all PHUs by PHO as of **February 2, 2022 at 1 p.m.** for cases reported from May 1, 2021 onwards and as of **January 31, 2022 at 9 a.m.** for cases reported up to April 30, 2021.
- CCM is a dynamic disease reporting system, which allows ongoing updates to data previously entered. As a result, data extracted from CCM represent a snapshot at the time of extraction and may differ from previous or subsequent reports.
- Ontario population estimate data were sourced from Statistics Canada. Population estimates 2001-2020: Table 1 annual population estimates by age and sex for July 1, 2001 to 2020, health regions, Ontario [unpublished data table]. Ottawa, ON: Government of Canada; 2021 [received April 22, 2021].
- COVID-19 test data were based on information from The Provincial COVID-19 Diagnostics Network, reported by member microbiology laboratories.

Data Caveats

- Due to changes in the availability of testing, driven by increasing COVID-19 cases related to the Omicron variant, case counts in this report are an underestimate of the true number of individuals with COVID-19 in Ontario. As such, data should be interpreted with caution.
- The data only represent cases reported to public health units and recorded in CCM. 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.
- Data cleaning for older cases is incorporated on Mondays and Thursdays and may impact the case count published on Tuesdays and Fridays.
- Lags in CCM 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 Case Definition – Coronavirus Disease \(COVID-19\) document](#) are included in the report counts from CCM.
- Cases of confirmed reinfection, as defined in the provincial case definitions, are counted as unique investigations.
- Case classification information may be updated for individuals with a positive result issued from a point-of-care assays.
- 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.

- 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 based on local public health unit assessment
 - Cases that are not hospitalized and are 14 days past their symptom onset date or specimen collection date (where symptom onset date is not known)
 - 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 hospitalized (or that had their hospital stay extended) because of COVID-19. It includes cases that have been discharged from hospital as well as cases that are currently hospitalized. Includes Intensive Care Unit (ICU) cases but not emergency room visits. Hospitalizations were identified by a reported hospital admission date or reported ‘Yes’ for hospitalization/ICU
- 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 permanent health unit. This is equivalent to the diagnosing health unit (DHU) in iPHIS. 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-PHO (to signify a case that is not a resident of Ontario) have been excluded from the analyses.
- Male/Female information presented in this report are sourced from the Sex field in CCM and are intended to represent sex assigned at birth. On October 14, 2021 changes were made in CCM to enable reporting on the Sex field where these data are supplemented by archived Male/Female information previously entered in the Gender field.
- Likely source of acquisition is determined by examining the epidemiologic link and epidemiologic link status fields in CCM. 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
 - Case episode date represents an estimate of disease onset. This date is calculated based on the earliest date of symptom onset, specimen collection/test date, or the date reported to the public health unit

- Deaths are determined by using the outcome field in CCM. Any case marked 'Fatal' is included in the deaths data. The CCM field Type of Death is not used to further categorize the data.
 - If the date of death is missing the outcome date field is used as a proxy for cases marked as 'Fatal' in the outcome field.
- COVID-19 cases from CCM 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 may include some duplicate records, if these records were not identified and resolved.
- Ongoing outbreaks are those that are reported in CCM as 'Open' and without a 'Declared Over Date' recorded. Closed outbreaks are 'Closed' or have a 'Declared Over Date' recorded in CCM or where the outbreak start date (determined by the onset date of first case, or if missing the reported date, or if missing the created date) is more than 5 months from the current date, even for outbreaks where the outbreak status value selected in CCM is 'OPEN'.
- '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 18, 2022 to January 30, 2022

Public Health Unit Name	Jan 18 to Jan 24	Jan 19 to Jan 25	Jan 20 to Jan 26	Jan 21 to Jan 27	Jan 22 to Jan 28	Jan 23 to Jan 29	Jan 24 to Jan 30	% change from Jan 18 – Jan 24 to Jan 24 – Jan 30
NORTH WEST								
Northwestern Health Unit	428.7	431.1	471.8	476.7	391.7	362.1	351.1	-18.1%
Thunder Bay District Health Unit	358.3	348.8	347.5	377.9	370.3	343.0	332.9	-7.1%
NORTH EAST								
Algoma Public Health	327.6	298.7	316.5	322.5	292.8	303.8	287.7	-12.2%
North Bay Parry Sound District Health Unit	198.8	207.3	202.6	194.9	192.6	179.4	184.1	-7.4%
Porcupine Health Unit	268.2	265.9	256.5	256.5	270.6	250.6	270.6	+0.9%
Public Health Sudbury & Districts	368.3	344.0	324.5	324.0	300.6	294.8	303.0	-17.7%
Timiskaming Health Unit	183.0	171.2	162.3	159.4	153.5	132.8	126.9	-30.7%
EASTERN								
Ottawa Public Health	227.9	233.5	222.9	204.6	192.2	174.1	170.0	-25.4%
Eastern Ontario Health Unit	337.3	321.5	313.2	275.2	278.9	261.3	253.9	-24.7%
Hastings Prince Edward Public Health	187.5	189.2	195.6	197.9	197.3	193.3	197.3	+5.2%

Public Health Unit Name	Jan 18 to Jan 24	Jan 19 to Jan 25	Jan 20 to Jan 26	Jan 21 to Jan 27	Jan 22 to Jan 28	Jan 23 to Jan 29	Jan 24 to Jan 30	% change from Jan 18 – Jan 24 to Jan 24 – Jan 30
Kingston, Frontenac and Lennox & Addington Public Health	187.4	187.8	189.7	181.6	166.3	159.6	152.5	-18.6%
Leeds, Grenville & Lanark District Health Unit	220.1	220.6	201.2	206.7	203.4	184.5	183.9	-16.4%
Renfrew County and District Health Unit	220.3	236.0	233.2	217.6	215.7	191.8	194.5	-11.7%
CENTRAL EAST								
Durham Region Health Department	254.7	243.5	241.5	210.8	202.6	184.7	177.7	-30.2%
Haliburton, Kawartha, Pine Ridge District Health Unit	268.4	276.3	283.7	257.4	254.8	211.3	186.7	-30.4%
Peel Public Health	341.3	327.2	311.6	279.0	261.7	239.8	234.5	-31.3%
Peterborough Public Health	195.1	179.6	172.8	168.1	158.0	162.7	149.9	-23.2%
Simcoe Muskoka District Health Unit	252.9	234.4	237.9	228.1	224.8	212.7	212.7	-15.9%
York Region Public Health	216.9	204.2	189.0	173.5	165.2	148.1	138.3	-36.2%
TORONTO								
Toronto Public Health	233.7	230.8	223.8	206.1	194.1	180.0	172.7	-26.1%
SOUTH WEST								
Chatham-Kent Public Health	416.4	406.1	391.1	386.4	371.4	364.8	361.1	-13.3%
Grey Bruce Health Unit	144.8	136.2	131.7	142.5	136.8	137.4	134.5	-7.1%

Public Health Unit Name	Jan 18 to Jan 24	Jan 19 to Jan 25	Jan 20 to Jan 26	Jan 21 to Jan 27	Jan 22 to Jan 28	Jan 23 to Jan 29	Jan 24 to Jan 30	% change from Jan 18 – Jan 24 to Jan 24 – Jan 30
Huron Perth Public Health	196.2	192.8	179.2	190.1	183.3	170.9	166.2	-15.3%
Lambton Public Health	376.8	300.8	328.6	308.3	300.1	268.5	256.4	-32.0%
Middlesex-London Health Unit	283.2	276.3	267.7	266.0	265.2	262.4	254.2	-10.2%
Southwestern Public Health	237.1	233.0	243.0	231.6	228.4	197.3	197.8	-16.6%
Windsor-Essex County Health Unit	346.7	324.6	320.9	299.3	298.4	296.1	288.2	-16.9%
CENTRAL WEST								
Brant County Health Unit	297.6	269.0	238.3	218.8	237.0	217.5	227.3	-23.6%
City of Hamilton Public Health Services	355.2	316.5	305.5	265.6	268.3	227.4	217.6	-38.7%
Haldimand-Norfolk Health Unit	283.3	263.3	255.0	245.8	249.2	227.5	226.7	-20.0%
Halton Region Public Health	249.9	215.2	207.5	196.9	190.8	180.5	178.4	-28.6%
Niagara Region Public Health	301.0	284.4	282.3	260.1	264.9	250.3	242.7	-19.4%
Region of Waterloo Public Health and Emergency Services	260.9	252.5	240.2	217.4	208.7	192.7	188.2	-27.9%
Wellington-Dufferin-Guelph Public Health	226.6	216.4	203.9	191.0	181.7	169.6	164.7	-27.3%
TOTAL ONTARIO	266.0	254.9	247.3	230.0	221.4	205.3	199.5	-25.0%

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

Data Source: CCM

Table A2. Number of confirmed COVID-19 cases with a fatal outcome by date of death in the last 30 days: Ontario

Date of Death	Number of deaths
January 4, 2022	20
January 5, 2022	27
January 6, 2022	27
January 7, 2022	20
January 8, 2022	35
January 9, 2022	39
January 10, 2022	53
January 11, 2022	55
January 12, 2022	32
January 13, 2022	52
January 14, 2022	44
January 15, 2022	61
January 16, 2022	63
January 17, 2022	50
January 18, 2022	56
January 19, 2022	52
January 20, 2022	55
January 21, 2022	65
January 22, 2022	67
January 23, 2022	69
January 24, 2022	50

Date of Death	Number of deaths
January 25, 2022	58
January 26, 2022	54
January 27, 2022	37*
January 28, 2022	42*
January 29, 2022	40*
January 30, 2022	43*
January 31, 2022	30*
February 1, 2022	26*
February 2, 2022	1*

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

*Subject to reporting lags

Data Source: CCM

Citation

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