

#### DAILY EPIDEMIOLOGICAL SUMMARY

# COVID-19 in Ontario: January 15, 2020 to January 31, 2022

This report includes the most current information available from CCM as of January 31, 2022.

A weekly summary report is available with additional information to complement the daily report.

Please visit the interactive <u>Ontario COVID-19 Data Tool</u> 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 <u>SARS CoV-2 Whole Genome Sequencing in Ontario report</u>.

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 1,035,916 confirmed cases of COVID-19 in Ontario reported to date.
- Compared to the previous day, this represents:
  - An increase of 2,622 confirmed cases (percent change of -13.8%)
  - An increase of 63\* deaths (percent change of +103.2%)
  - An increase of 4,816 resolved cases (percent change of -5.5%)

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 <u>our blog</u>. 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.

<sup>\*</sup> This number only includes deaths that have occurred in the last month. In addition, there were 3 deaths that occurred more than one month ago and were removed from the cumulative count based on data cleaning.

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 January 30, 2022	Change in cases January 31, 2022	Percentage change January 31, 2022 compared to January 30, 2022	Cumulative case count as of January 31, 2022
Total number of cases	3,043	2,622	-13.8%	1,035,916
Number of deaths	31	63	+103.2%	11,504*
Number resolved	5,098	4,816	-5.5%	981,803

**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.

<sup>\* 3</sup> deaths were removed from the cumulative total based on data cleaning.

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

	Change in cases January 30, 2022	Change in cases January 31, 2022	Cumulative case count as of January 31, 2022
Sex: Male	1,288	1,101	496,560
Sex: Female	1,724	1,502	534,033
Ages: 0-4	145	121	30,103
Ages: 5-11	169	144	61,778
Ages: 12-19	176	141	89,253
Ages: 20-39	1,030	906	398,433
Ages: 40-59	769	702	288,011
Ages: 60-79	440	379	124,741
Ages: 80 and over	308	226	43,294

**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

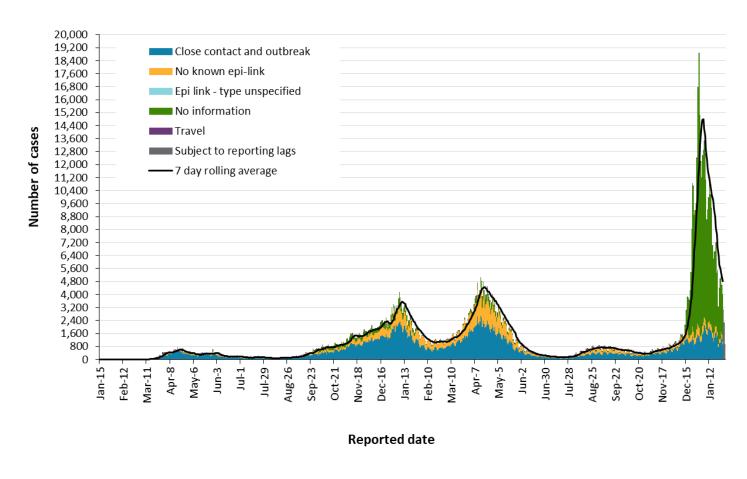
Table 2. Summary of recent confirmed cases of COVID-19 in long-term care homes: Ontario

Long-term care home cases	Change in cases January 30, 2022	Change in cases January 31, 2022	Cumulative case count as of January 31, 2022
Residents	170	150	22,369
Health care workers	45	45	9,641
Deaths among residents	2	14	4,287
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 <u>technical notes</u>. Also, the change in cases in these categories may represent existing case records that have been updated.

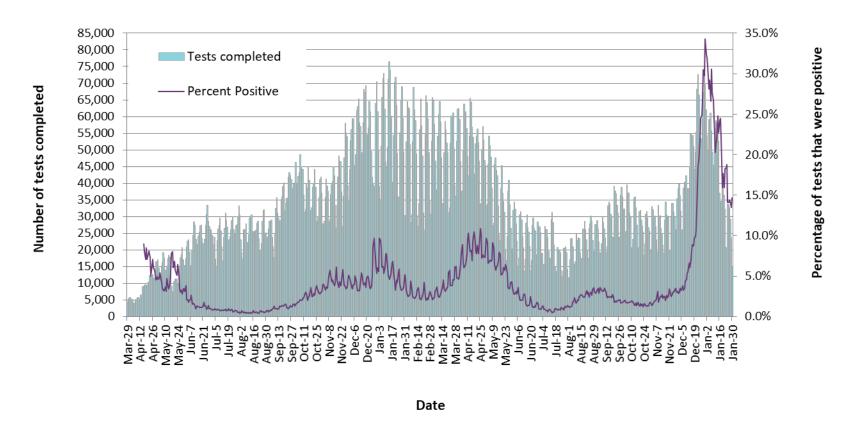
#### Time

Figure 1. Confirmed cases of COVID-19 by likely acquisition and public health unit reported date: Ontario, January 15, 2020 to January 31, 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.

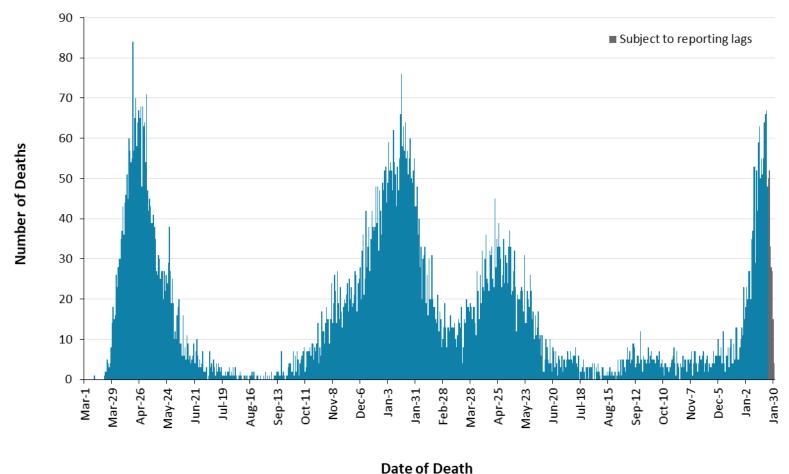




**Note:** The number of tests performed does not reflect the number of specimens or persons tested. More than one test may be performed per specimen or per person. As such, the percentage of tests that were positive does not necessarily translate to the number of specimens or persons testing positive. 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 January 31, 2022



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

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

	Cumulative case count as of January 31, 2022	Percentage of all cases
Cumulative deaths reported (please note there may be a reporting delay for deaths)	11,504	1.1%
Deaths reported in ages: 19 and under	10	<0.1%
Deaths reported in ages: 20-39	125	<0.1%
Deaths reported in ages: 40-59	835	0.3%
Deaths reported in ages: 60-79	3,827	3.1%
Deaths reported in ages: 80 and over	6,705	15.5%
Ever in ICU	7,294	0.7%
Ever hospitalized	39,125	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.

# 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 January 30, 2022	Change in cases January 31, 2022	Cumulative case count	Cumulative rate per 100,000 population
Northwestern Health Unit	13	22	3,339	4,112.8
Thunder Bay District Health Unit	38	36	6,818	4,323.2
TOTAL NORTH WEST	51	58	10,157	4,251.7
Algoma Public Health	50	20	3,722	3,158.5
North Bay Parry Sound District Health Unit	28	25	2,838	2,194.8
Porcupine Health Unit	20	17	4,267	5,020.0
Public Health Sudbury & Districts	76	50	9,138	4,452.0
Timiskaming Health Unit	0	2	969	2,859.7
TOTAL NORTH EAST	174	114	20,934	3,664.3
Ottawa Public Health	201	205	58,115	5,571.2
Eastern Ontario Health Unit	42	35	12,607	5,840.4
Hastings Prince Edward Public Health	27	28	5,813	3,363.4
Kingston, Frontenac and Lennox & Addington Public Health	13	26	8,676	4,146.6
Leeds, Grenville & Lanark District Health Unit	24	26	5,649	3,139.3
Renfrew County and District Health Unit	33	10	2,832	2,610.8
TOTAL EASTERN	340	330	93,692	4,855.8

Public Health Unit Name	Change in cases January 30, 2022	Change in cases January 31, 2022	Cumulative case count	Cumulative rate per 100,000 population
Durham Region Health Department	119	95	50,157	7,050.2
Haliburton, Kawartha, Pine Ridge District Health Unit	20	17	6,241	3,272.2
Peel Public Health	431	334	166,569	10,652.6
Peterborough Public Health	30	20	4,962	3,350.0
Simcoe Muskoka District Health Unit	63	82	31,850	5,268.7
York Region Public Health	175	133	94,797	7,898.0
TOTAL CENTRAL EAST	838	681	354,576	8,024.5
Toronto Public Health	603	606	268,112	8,971.7
TOTAL TORONTO	603	606	268,112	8,971.7
Chatham-Kent Public Health	38	26	6,089	5,710.9
Grey Bruce Health Unit	29	22	5,433	3,084.3
Huron Perth Public Health	36	9	5,103	3,489.4
Lambton Public Health	21	38	8,776	6,599.9
Middlesex-London Health Unit	132	93	29,192	5,717.1
Southwestern Public Health	57	29	10,221	4,669.1
Windsor-Essex County Health Unit	105	93	34,521	8,010.5
TOTAL SOUTH WEST	418	310	99,335	5,767.1
Brant County Health Unit	27	44	9,263	6,032.2
City of Hamilton Public Health Services	173	117	45,876	7,886.2
Haldimand-Norfolk Health Unit	30	11	6,409	5,340.5

Public Health Unit Name	Change in cases January 30, 2022	Change in cases January 31, 2022	Cumulative case count	Cumulative rate per 100,000 population
Halton Region Public Health	118	96	40,409	6,618.2
Niagara Region Public Health	123	130	31,520	6,543.1
Region of Waterloo Public Health and Emergency Services	97	81	38,329	6,332.9
Wellington-Dufferin-Guelph Public Health	51	44	17,304	5,546.3
TOTAL CENTRAL WEST	619	523	189,110	6,601.1
TOTAL ONTARIO	3,043	2,622	1,035,916	7,030.8

**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 January 30, 2022	Change in outbreaks January 31, 2022	Number of ongoing outbreaks	Cumulative number of outbreaks reported
Long-term care homes	1	2	335	2,069
Retirement homes	2	3	231	1,344
Hospitals	5	4	187	1,053

**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.

#### **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 January 31, 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 <u>MOH Case Definition</u> –
   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 16, 2022 to January 28, 2022

Public Health Unit Name	Jan 16 to Jan 22	Jan 17 to Jan 23	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	% change from Jan 16 – Jan 22 to Jan 22 – Jan 28
NORTH WEST								
Northwestern Health Unit	394.2	408.9	428.7	431.1	473.0	477.9	392.9	-0.3%
Thunder Bay District Health Unit	341.8	359.5	358.3	348.8	344.9	375.4	367.1	+7.4%
NORTH EAST								
Algoma Public Health	301.3	312.3	327.6	298.7	316.5	323.3	293.6	-2.6%
North Bay Parry Sound District Health Unit	200.3	198.0	198.0	205.7	201.1	192.6	190.2	-5.0%
Porcupine Health Unit	284.7	262.4	268.2	265.9	256.5	257.6	271.8	-4.5%
Public Health Sudbury & Districts	350.8	336.2	369.3	344.9	324.5	323.5	300.6	-14.3%
Timiskaming Health Unit	180.0	156.4	183.0	171.2	162.3	156.4	153.5	-14.7%
EASTERN								
Ottawa Public Health	245.4	230.3	224.9	230.6	220.0	202.1	190.3	-22.5%
Eastern Ontario Health Unit	344.7	336.8	337.3	322.0	313.6	275.6	279.3	-19.0%
Hastings Prince Edward Public Health	170.1	165.5	187.5	189.2	195.6	197.9	196.7	+15.6%

Public Health Unit Name	Jan 16 to Jan 22	Jan 17 to Jan 23	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	% change from Jan 16 – Jan 22 to Jan 22 – Jan 28
Kingston, Frontenac and Lennox & Addington Public Health	174.0	175.9	187.4	187.4	189.3	181.1	166.3	-4.4%
Leeds, Grenville & Lanark District Health Unit	209.5	197.3	220.1	219.5	200.1	205.6	202.3	-3.4%
Renfrew County and District Health Unit	244.3	202.8	220.3	236.0	233.2	217.6	215.7	-11.7%
CENTRAL EAST								
Durham Region Health Department	311.3	265.1	254.8	243.6	241.8	209.4	200.9	-35.5%
Haliburton, Kawartha, Pine Ridge District Health Unit	263.2	265.8	267.9	275.8	283.7	257.4	256.4	-2.6%
Peel Public Health	419.7	367.7	340.9	327.1	310.5	273.8	253.2	-39.7%
Peterborough Public Health	197.8	191.1	195.1	179.6	172.8	168.1	158.0	-20.1%
Simcoe Muskoka District Health Unit	299.7	264.3	251.6	232.6	234.9	224.5	218.9	-27.0%
York Region Public Health	259.7	232.3	216.6	203.9	188.5	172.9	164.1	-36.8%
TORONTO								
Toronto Public Health	283.0	252.3	233.2	229.7	222.4	204.5	192.6	-31.9%
SOUTH WEST								
Chatham-Kent Public Health	418.3	426.7	416.4	406.1	391.1	385.5	370.5	-11.4%
Grey Bruce Health Unit	159.5	144.8	144.2	135.7	131.1	141.4	136.2	-14.6%

Public Health Unit Name	Jan 16 to Jan 22	Jan 17 to Jan 23	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	% change from Jan 16 – Jan 22 to Jan 22 – Jan 28
Huron Perth Public Health	193.5	195.6	196.2	192.8	179.2	190.1	183.3	-5.3%
Lambton Public Health	425.7	392.6	376.8	300.8	328.6	308.3	300.1	-29.5%
Middlesex-London Health Unit	307.3	291.8	282.4	275.6	266.9	265.2	264.0	-14.1%
Southwestern Public Health	258.1	253.1	237.5	233.0	243.0	231.6	227.5	-11.9%
Windsor-Essex County Health Unit	375.0	371.5	346.4	324.4	320.9	299.6	299.1	-20.2%
CENTRAL WEST								
Brant County Health Unit	364.0	339.9	297.6	269.0	238.3	217.5	227.9	-37.4%
City of Hamilton Public Health Services	412.2	386.8	355.5	317.0	304.4	264.2	265.9	-35.5%
Haldimand-Norfolk Health Unit	304.1	283.3	283.3	263.3	255.8	248.3	251.6	-17.3%
Halton Region Public Health	331.8	283.5	249.3	214.6	207.3	196.0	188.7	-43.1%
Niagara Region Public Health	298.7	282.7	299.1	282.5	281.3	259.5	264.5	-11.4%
Region of Waterloo Public Health and Emergency Services	289.6	267.0	259.9	251.5	238.4	215.6	205.9	-28.9%
Wellington-Dufferin- Guelph Public Health	255.1	234.6	226.6	216.4	204.2	191.0	181.7	-28.8%
TOTAL ONTARIO	303.5	277.7	265.4	254.1	246.3	228.4	219.2	-27.8%

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

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 2, 2022	18
January 3, 2022	23
January 4, 2022	20
January 5, 2022	27
January 6, 2022	27
January 7, 2022	20
January 8, 2022	35
January 9, 2022	37
January 10, 2022	53
January 11, 2022	53
January 12, 2022	29
January 13, 2022	52
January 14, 2022	42
January 15, 2022	59
January 16, 2022	63
January 17, 2022	50
January 18, 2022	55
January 19, 2022	51
January 20, 2022	55
January 21, 2022	64
January 22, 2022	66

Date of Death	Number of deaths
January 23, 2022	67
January 24, 2022	48
January 25, 2022	50*
January 26, 2022	52*
January 27, 2022	33*
January 28, 2022	28*
January 29, 2022	27*
January 30, 2022	15*
January 31, 2022	4*

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

\*Subject to reporting lags

#### Citation

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