

#### DAILY EPIDEMIOLOGICAL SUMMARY

# COVID-19 in Ontario: January 15, 2020 to January 28, 2022

This report includes the most current information available from CCM as of January 28, 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 1,026,291 confirmed cases of COVID-19 in Ontario reported to date.
- Compared to the previous day, this represents:
  - An increase of 4,855 confirmed cases (percent change of -9.0%)
  - An increase of 58\* deaths (percent change of -13.4%)
  - An increase of 6,685 resolved cases (percent change of -15.4%)

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 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 27, 2022	Change in cases January 28, 2022	Percentage change January 28, 2022 compared to January 27, 2022	Cumulative case count as of January 28, 2022
Total number of cases	5,337	4,855	-9.0%	1,026,291
Number of deaths	67	58	-13.4%	11,354*
Number resolved	7,906	6,685	-15.4%	965,386

**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.

Data Source: CCM

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

	Change in cases January 27, 2022	Change in cases January 28, 2022	Cumulative case count as of January 28, 2022
Sex: Male	2,231	1,979	492,492
Sex: Female	2,996	2,795	528,570
Ages: 0-4	183	154	29,702
Ages: 5-11	299	256	61,206
Ages: 12-19	319	269	88,712
Ages: 20-39	1,991	1,836	395,094
Ages: 40-59	1,389	1,224	285,483
Ages: 60-79	670	644	123,408
Ages: 80 and over	477	478	42,395

**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.

<sup>\*</sup>In addition, two deaths were removed from the cumulative count based on data cleaning.

Data Source: CCM

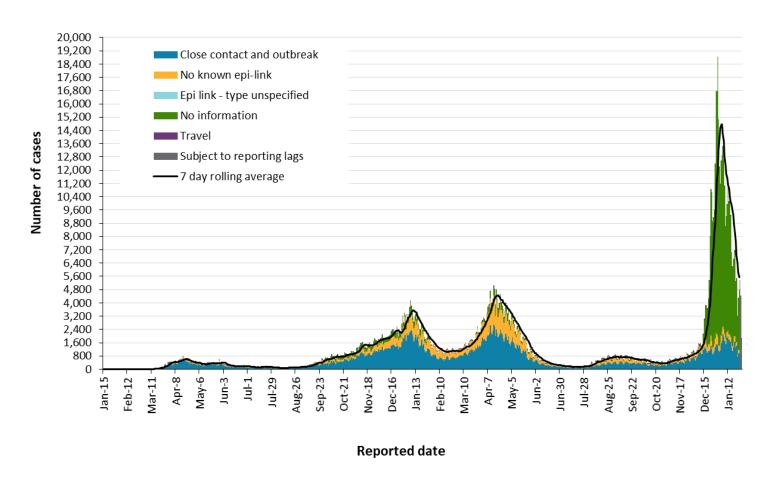
Table 2. Summary of recent confirmed cases of COVID-19 in long-term care homes: Ontario

Long-term care home cases	Change in cases January 27, 2022	Change in cases January 28, 2022	Cumulative case count as of January 28, 2022
Residents	196	240	21,846
Health care workers	70	84	9,499
Deaths among residents	14	14	4,252
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.

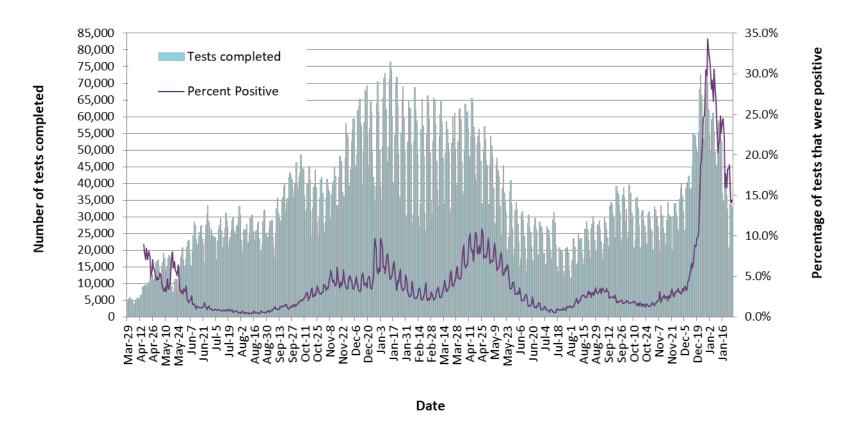
#### Time

Figure 1. Confirmed cases of COVID-19 by likely acquisition and public health unit reported date: Ontario, January 15, 2020 to January 28, 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.

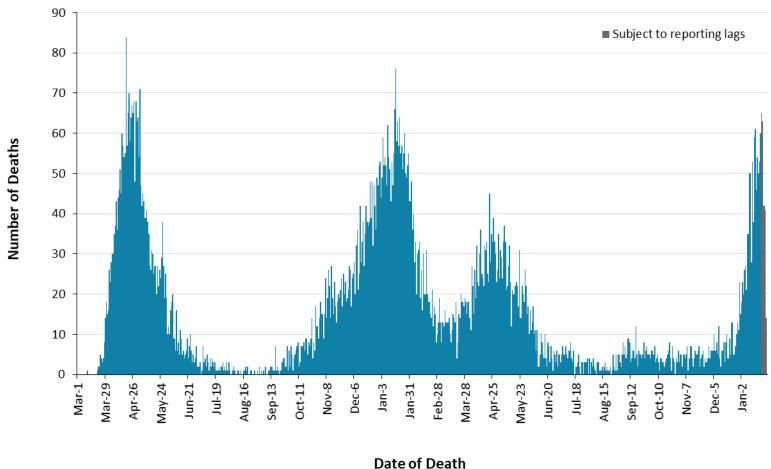




**Note:** The number of tests performed does not reflect the number of specimens or persons tested. More than one test may be performed per specimen or per person. As such, the percentage of tests that were positive does not necessarily translate to the number of specimens or persons testing positive. 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 28, 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 28, 2022	Percentage of all cases
Cumulative deaths reported (please note there may be a reporting delay for deaths)	11,354	1.1%
Deaths reported in ages: 19 and under	10	<0.1%
Deaths reported in ages: 20-39	124	<0.1%
Deaths reported in ages: 40-59	820	0.3%
Deaths reported in ages: 60-79	3,785	3.1%
Deaths reported in ages: 80 and over	6,613	15.6%
Ever in ICU	7,227	0.7%
Ever hospitalized	38,624	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 27, 2022	Change in cases January 28, 2022	Cumulative case count	Cumulative rate per 100,000 population
Northwestern Health Unit	79	49	3,272	4,030.3
Thunder Bay District Health Unit	109	91	6,689	4,241.4
TOTAL NORTH WEST	188	140	9,961	4,169.7
Algoma Public Health	44	66	3,616	3,068.6
North Bay Parry Sound District Health Unit	38	29	2,750	2,126.7
Porcupine Health Unit	31	51	4,192	4,931.8
Public Health Sudbury & Districts	87	97	8,945	4,358.0
Timiskaming Health Unit	18	3	962	2,839.0
TOTAL NORTH EAST	218	246	20,465	3,582.2
Ottawa Public Health	343	288	57,485	5,510.8
Eastern Ontario Health Unit	107	82	12,443	5,764.4
Hastings Prince Edward Public Health	74	44	5,721	3,310.2
Kingston, Frontenac and Lennox & Addington Public Health	30	71	8,601	4,110.8
Leeds, Grenville & Lanark District Health Unit	57	60	5,556	3,087.6
Renfrew County and District Health Unit	42	33	2,759	2,543.5
TOTAL EASTERN	653	578	92,565	4,797.4
Durham Region Health Department	225	186	49,824	7,003.4

Public Health Unit Name	Change in cases January 27, 2022	Change in cases January 28, 2022	Cumulative case count	Cumulative rate per 100,000 population
Haliburton, Kawartha, Pine Ridge District Health Unit	80	71	6,140	3,219.2
Peel Public Health	690	663	165,247	10,568.1
Peterborough Public Health	40	45	4,886	3,298.7
Simcoe Muskoka District Health Unit	243	194	31,555	5,219.9
York Region Public Health	307	294	94,255	7,852.9
TOTAL CENTRAL EAST	1,585	1,453	351,907	7,964.1
Toronto Public Health	845	774	266,182	8,907.2
TOTAL TORONTO	845	774	266,182	8,907.2
Chatham-Kent Public Health	76	66	5,982	5,610.6
Grey Bruce Health Unit	52	34	5,359	3,042.3
Huron Perth Public Health	57	36	5,036	3,443.6
Lambton Public Health	68	85	8,674	6,523.2
Middlesex-London Health Unit	222	254	28,768	5,634.1
Southwestern Public Health	74	68	10,072	4,601.0
Windsor-Essex County Health Unit	255	198	34,158	7,926.3
TOTAL SOUTH WEST	804	741	98,049	5,692.4
Brant County Health Unit	58	55	9,146	5,956.1
City of Hamilton Public Health Services	187	187	45,374	7,799.9
Haldimand-Norfolk Health Unit	41	64	6,345	5,287.1
Halton Region Public Health	267	148	40,016	6,553.8

Public Health Unit Name	Change in cases January 27, 2022	Change in cases January 28, 2022	Cumulative case count	Cumulative rate per 100,000 population
Niagara Region Public Health	175	212	31,139	6,464.0
Region of Waterloo Public Health and Emergency Services	216	181	38,001	6,278.7
Wellington-Dufferin-Guelph Public Health	100	76	17,141	5,494.0
TOTAL CENTRAL WEST	1,044	923	187,162	6,533.1
TOTAL ONTARIO	5,337	4,855	1,026,291	6,965.5

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

### **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 27, 2022	Change in outbreaks January 28, 2022	Number of ongoing outbreaks	Cumulative number of outbreaks reported
Long-term care homes	1	4	358	2,062
Retirement homes	3	3	257	1,337
Hospitals	10	6	206	1,038

**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 28, 2022 at 1 p.m. for cases reported from February 1, 2021 onwards and as of January 27, 2022 at 9 a.m. for cases reported up to January 31, 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 13, 2022 to January 25, 2022

Public Health Unit Name	Jan 13 to Jan 19	Jan 14 to Jan 20	Jan 15 to Jan 21	Jan 16 to Jan 22	Jan 17 to Jan 23	Jan 18 to Jan 24	Jan 19 to Jan 25	% change from Jan 13 – Jan 19 to Jan 19 – Jan 25
NORTH WEST								
Northwestern Health Unit	351.1	349.8	418.8	394.2	408.9	427.4	429.9	+22.4%
Thunder Bay District Health Unit	332.3	319.6	309.4	341.8	358.9	357.6	347.5	+4.6%
NORTH EAST								
Algoma Public Health	298.7	303.0	319.9	300.4	311.4	326.7	297.9	-0.3%
North Bay Parry Sound District Health Unit	211.9	190.2	201.8	200.3	197.2	197.2	204.9	-3.3%
Porcupine Health Unit	285.9	287.1	269.4	284.7	263.5	269.4	267.1	-6.6%
Public Health Sudbury & Districts	431.2	415.6	388.8	351.3	336.7	369.8	344.9	-20.0%
Timiskaming Health Unit	218.4	218.4	183.0	180.0	156.4	183.0	171.2	-21.6%
EASTERN								
Ottawa Public Health	246.5	252.7	244.7	244.1	228.7	223.7	229.6	-6.9%
Eastern Ontario Health Unit	373.4	386.4	364.6	344.2	336.3	336.8	321.0	-14.0%
Hastings Prince Edward Public Health	216.4	196.1	175.9	170.1	165.5	187.5	189.2	-12.6%
Kingston, Frontenac and Lennox & Addington Public Health	146.3	160.1	169.2	172.1	174.4	185.9	185.9	+27.1%

Public Health Unit Name	Jan 13 to Jan 19	Jan 14 to Jan 20	Jan 15 to Jan 21	Jan 16 to Jan 22	Jan 17 to Jan 23	Jan 18 to Jan 24	Jan 19 to Jan 25	% change from Jan 13 – Jan 19 to Jan 19 – Jan 25
Leeds, Grenville & Lanark District Health Unit	209.0	207.3	216.7	209.0	197.3	220.1	220.1	+5.3%
Renfrew County and District Health Unit	174.2	205.6	207.4	243.4	201.9	217.6	233.2	+33.9%
CENTRAL EAST								
Durham Region Health Department	530.6	455.4	374.2	311.6	265.4	255.1	243.7	-54.1%
Haliburton, Kawartha, Pine Ridge District Health Unit	264.3	265.3	253.8	263.2	265.3	267.9	275.8	+4.4%
Peel Public Health	532.4	503.0	458.7	418.8	365.7	335.8	316.2	-40.6%
Peterborough Public Health	262.6	256.6	239.0	198.5	191.7	195.8	180.3	-31.3%
Simcoe Muskoka District Health Unit	399.5	386.4	343.4	299.1	263.7	250.9	231.8	-42.0%
York Region Public Health	381.3	342.3	299.0	256.9	229.6	214.0	201.2	-47.2%
TORONTO								
Toronto Public Health	374.9	352.1	313.7	281.7	250.8	230.5	225.3	-39.9%
SOUTH WEST								
Chatham-Kent Public Health	485.8	484.9	471.8	419.2	427.7	414.6	404.2	-16.8%
Grey Bruce Health Unit	204.4	187.3	167.5	159.5	144.8	144.2	136.2	-33.4%
Huron Perth Public Health	195.6	187.4	183.9	192.8	194.9	195.6	192.1	-1.8%
Lambton Public Health	513.6	487.3	449.0	424.9	391.8	376.0	299.3	-41.7%
Middlesex-London Health Unit	351.3	348.4	319.2	307.3	292.0	282.6	275.9	-21.5%

Public Health Unit Name	Jan 13 to Jan 19	Jan 14 to Jan 20	Jan 15 to Jan 21	Jan 16 to Jan 22	Jan 17 to Jan 23	Jan 18 to Jan 24	Jan 19 to Jan 25	% change from Jan 13 – Jan 19 to Jan 19 – Jan 25
Southwestern Public Health	264.5	264.0	239.4	257.2	252.2	236.2	230.7	-12.8%
Windsor-Essex County Health Unit	484.7	501.5	409.8	375.0	371.5	346.2	324.4	-33.1%
CENTRAL WEST								
Brant County Health Unit	427.9	407.0	360.8	362.7	338.6	296.3	268.3	-37.3%
City of Hamilton Public Health Services	438.9	434.2	387.8	405.9	379.2	346.6	304.6	-30.6%
Haldimand-Norfolk Health Unit	340.0	352.5	315.0	303.3	282.5	282.5	263.3	-22.6%
Halton Region Public Health	496.9	449.7	379.3	330.8	282.5	248.8	213.6	-57.0%
Niagara Region Public Health	405.2	379.3	334.6	294.8	278.8	295.2	278.8	-31.2%
Region of Waterloo Public Health and Emergency Services	416.4	369.4	318.6	289.1	266.5	259.6	250.8	-39.8%
Wellington-Dufferin- Guelph Public Health	287.2	289.1	277.9	254.8	234.0	225.6	215.4	-25.0%
TOTAL ONTARIO	385.4	365.4	328.3	302.3	276.3	263.4	251.0	-34.9%

**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
December 30, 2021	11
December 31, 2021	23
January 1, 2022	15
January 2, 2022	18
January 3, 2022	23
January 4, 2022	20
January 5, 2022	26
January 6, 2022	27
January 7, 2022	21
January 8, 2022	35
January 9, 2022	35
January 10, 2022	50
January 11, 2022	50
January 12, 2022	28
January 13, 2022	53
January 14, 2022	38
January 15, 2022	59
January 16, 2022	61
January 17, 2022	46
January 18, 2022	54
January 19, 2022	50

Date of Death	Number of deaths
January 20, 2022	53
January 21, 2022	60
January 22, 2022	65*
January 23, 2022	63*
January 24, 2022	42*
January 25, 2022	42*
January 26, 2022	41*
January 27, 2022	14*
January 28, 2022	0*

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

\*Subject to reporting lags

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