

WEEKLY EPIDEMIOLOGICAL SUMMARY

COVID-19 in Ontario: Focus on July 10, 2022 to July 16, 2022 (Week 28)

Published: July 21, 2022

This report includes the most current information available from the Public Health Case and Contact Management Solution (CCM) as of **July 19, 2022** unless otherwise specified.

Figures and tables in this report present the most recent 52 weeks of data for Ontario, ranging from **July 18, 2021 to July 16, 2022**.

Interpretation notes:

- Testing and case, contact, and outbreak management in Ontario was restricted to high-risk populations and settings in January 2022. Counts in this report are an underestimate of the extent of COVID-19 activity in Ontario.
- Observed trends over time should be interpreted with caution for the most recent period due to reporting and/or data entry lags.
- Severe outcomes are a lagging indicator, meaning that severe outcomes often occur after (e.g. days or weeks) cases are initially reported to public health. As such, counts for severe outcomes in more recent reporting periods may increase as more outcomes are reported.

Please visit the interactive [Ontario COVID-19 Data Tool](#) to explore COVID-19 data from the entire pandemic (i.e. February 2020 onward) by public health unit, age group, sex, and trends over time.

Highlights

Case Trends and Percent Positivity

- **Weekly case numbers increased 28% among those eligible for testing:** The number of reported cases in Ontario increased to 11,257 this week, up from 8,779 last week. Reported cases have been increasing since the beginning of Wave 7 (starting June 19, 2022).
 - Case rates increased in 32 of Ontario's 34 public health units. Case rates increased in all 7 regions of Ontario, with increases ranging from 13% to 60% compared to last week. The North West region continues to report case rates approximately 3 times higher than other regions.
 - Case rates increased in every age group. The 80 years and older age group had the largest increase in case rate this week (56% increase), and had a case rate several times higher than the other age groups.
- **Percent positivity and testing volumes are higher:** Percent positivity was 14.6% this week, higher than 13.2% last week. Testing volume was 77,754 tests this week, up from 64,861 tests last week.

Severity

- **Wave 7 hospital admissions are increasing, while deaths remain stable:** Hospital admissions increased to 405 this week, compared to 325 last week, following a trend of increasing hospital admissions since the beginning of wave 7. Deaths have been relatively stable since the beginning of wave 7, with 29 to 40 weekly deaths reported in the past four weeks. Recent increases in cases may lead to increases in the number of severe outcomes reported in future weeks, as these outcomes are lagging indicators. Individuals 80 years and older continue to have much higher rates of hospitalizations and deaths compared to all other age groups.

Outbreaks

- **Outbreaks in high-risk settings increased 31%:** The total number of outbreaks in high-risk settings was 218 this week, up from 166 last week. Settings reporting the largest increases in outbreaks this week include hospitals (79%) and group homes/supportive housing (104% increase). Settings reporting decreases in outbreaks this week include retirement homes (22% decrease) and shelters (9% decrease).
- **Outbreak-associated cases in high-risk settings increased 70%:** There were 2,176 outbreak-associated cases reported this week compared to 1,283 last week. All congregate care and congregate living settings reported more cases this week compared to last week, with the exception of shelters.

Cases

Figure 1a. Confirmed cases of COVID-19, by reported week

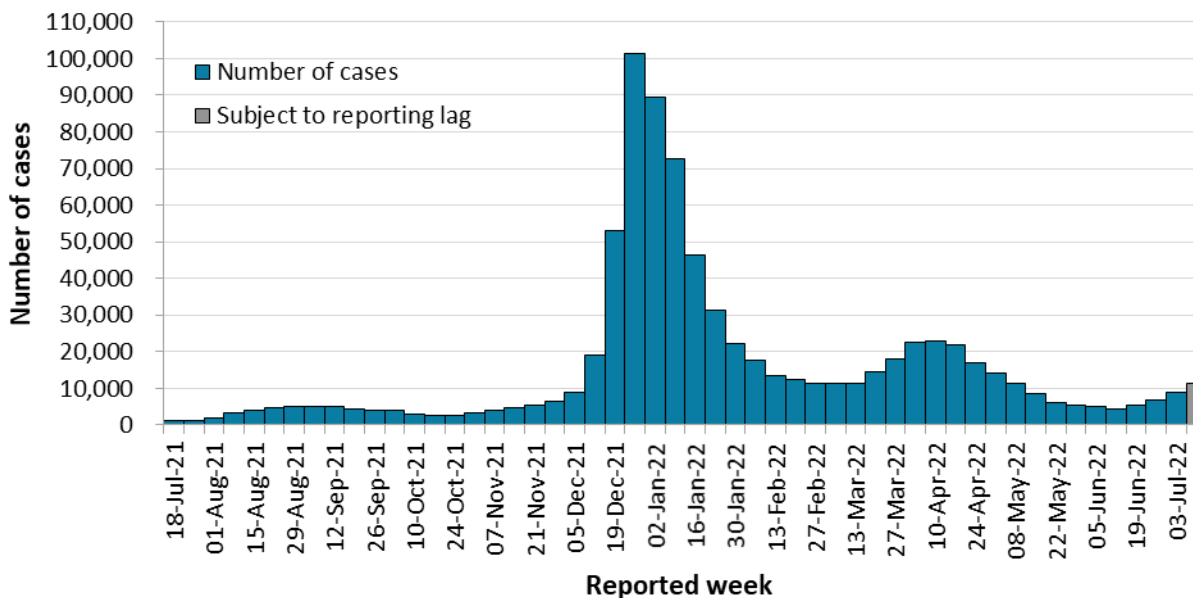
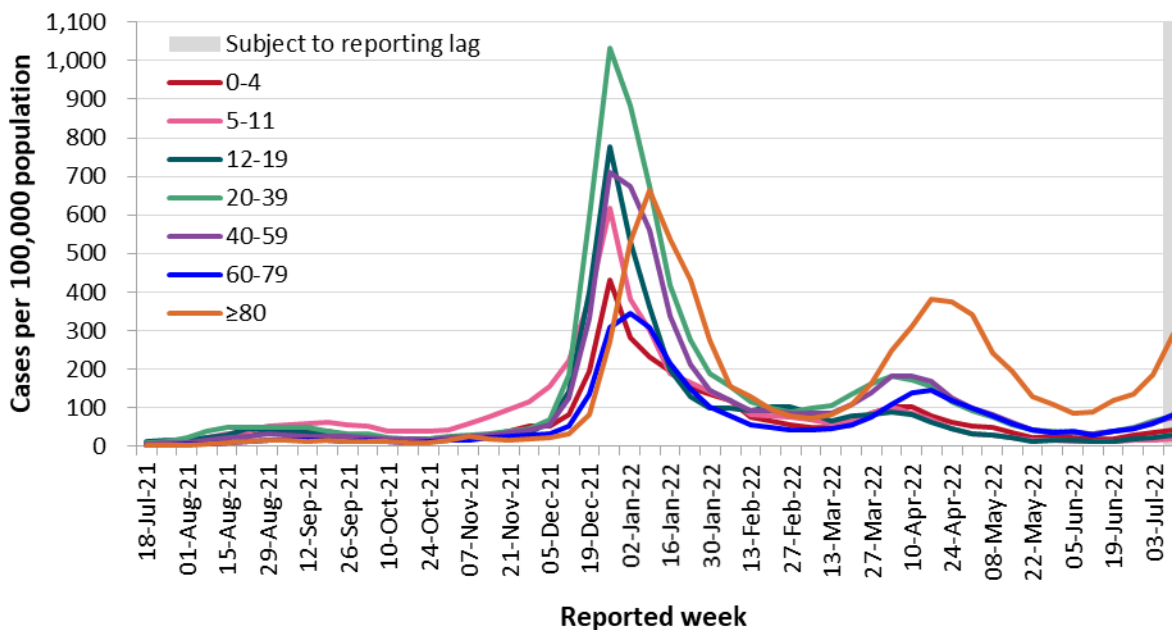


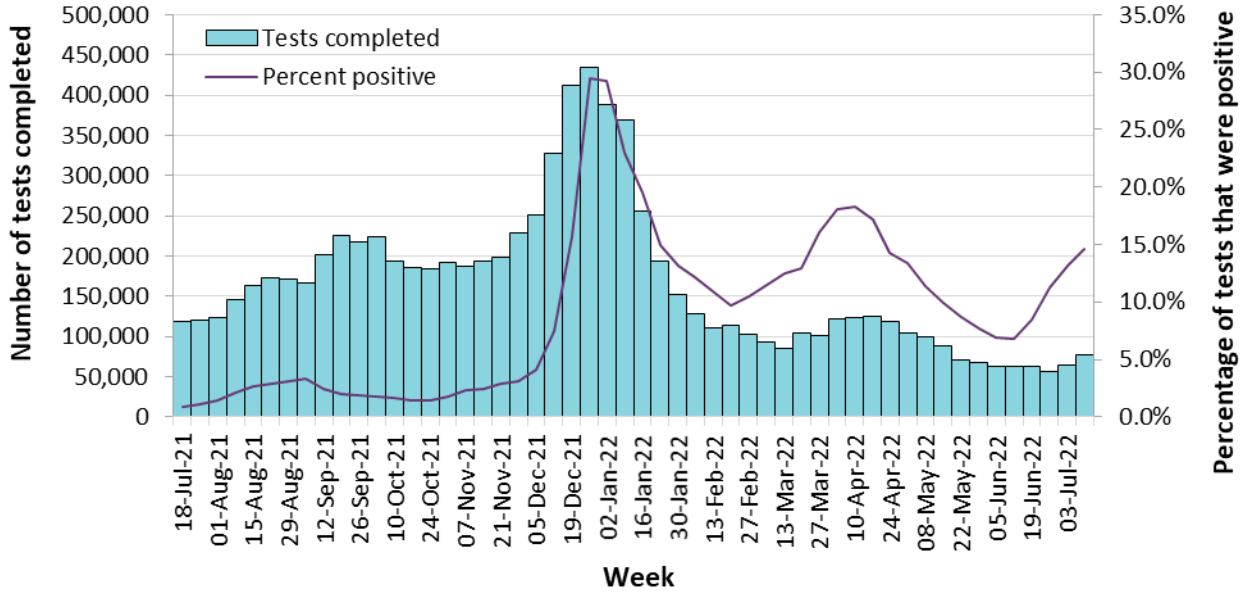
Figure 1b. Confirmed cases of COVID-19 (per 100,000 population), by age group and reported week



Note: Not all cases have an age reported.

Testing

Figure 2. Weekly COVID-19 tests completed and percent positivity



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

Hospital Admissions

Figure 3a. Confirmed COVID-19 cases that were admitted to hospital, by hospital admission week

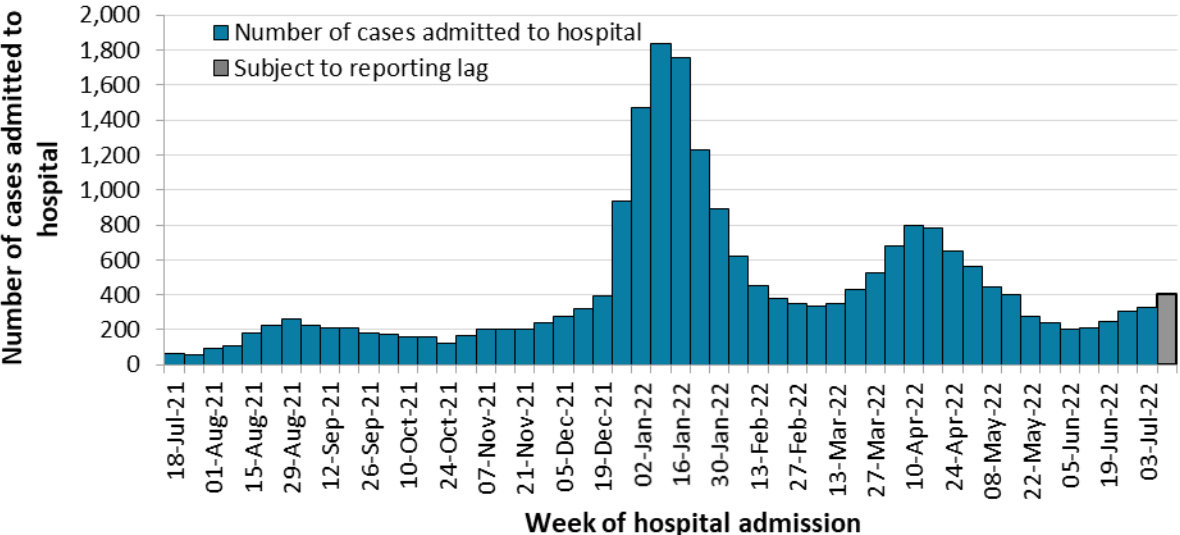
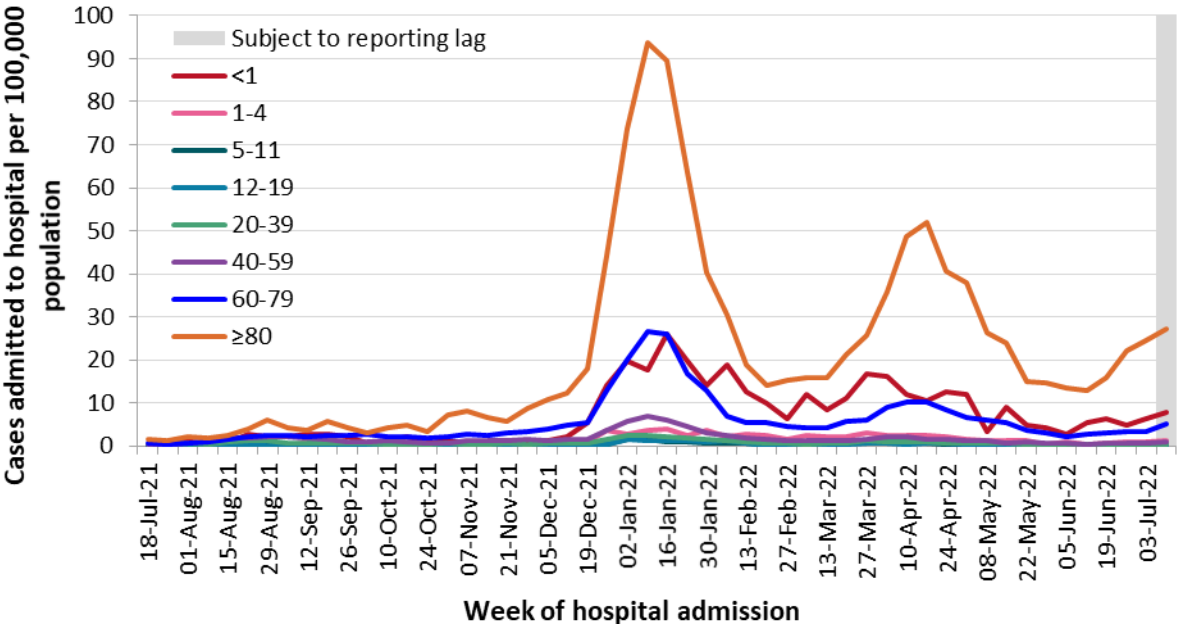


Figure 3b. Confirmed COVID-19 cases that were admitted to hospital (per 100,000 population), by age group and hospital admission date



Note: Not all cases have an age reported.

Deaths

Figure 4a. Confirmed COVID-19 deaths, by cause and week of death

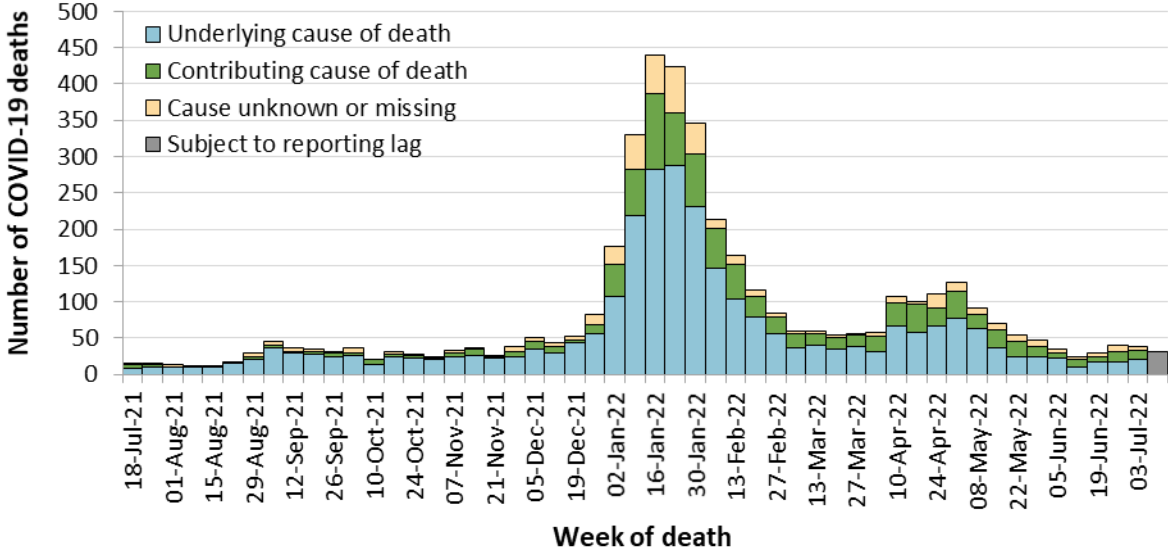
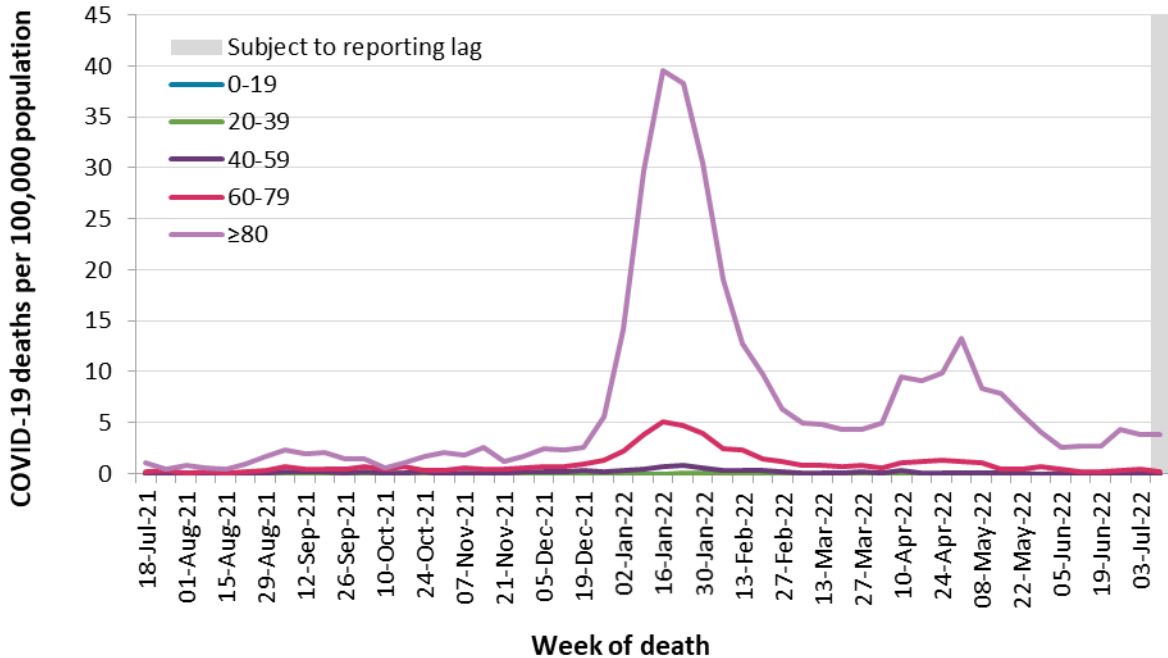
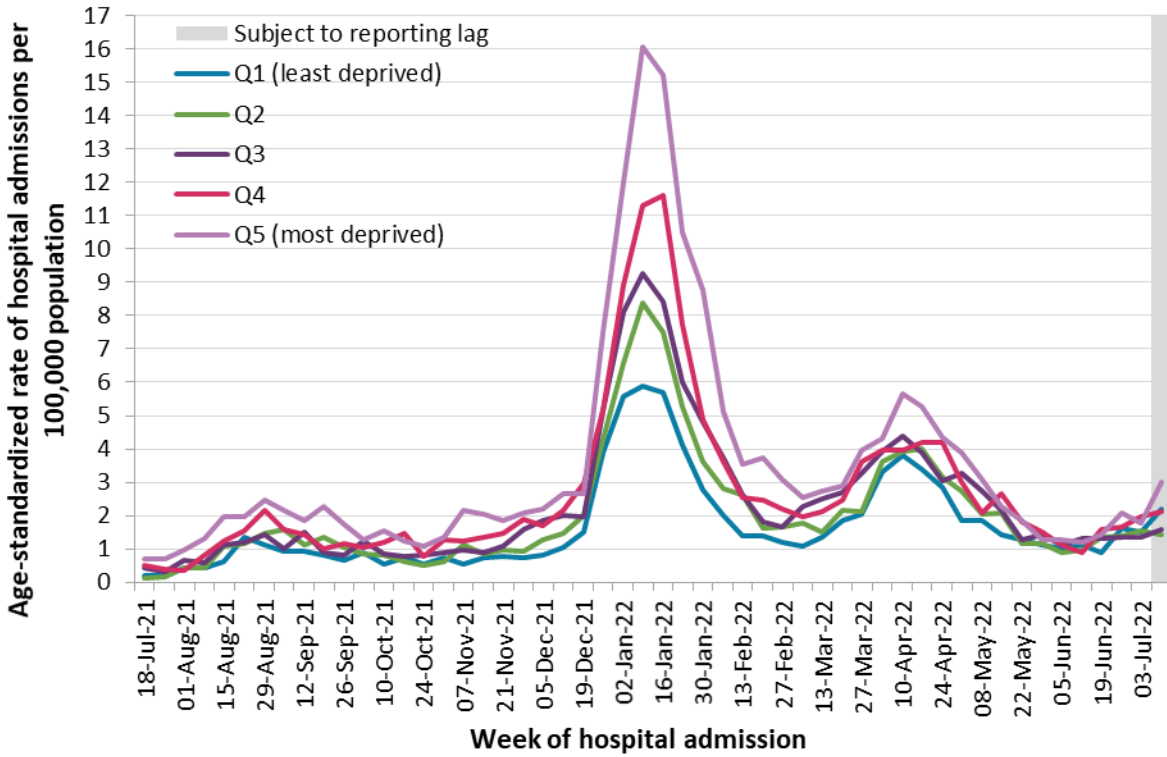


Figure 4b. Confirmed COVID-19 deaths (per 100,000 population), by age group and week of death



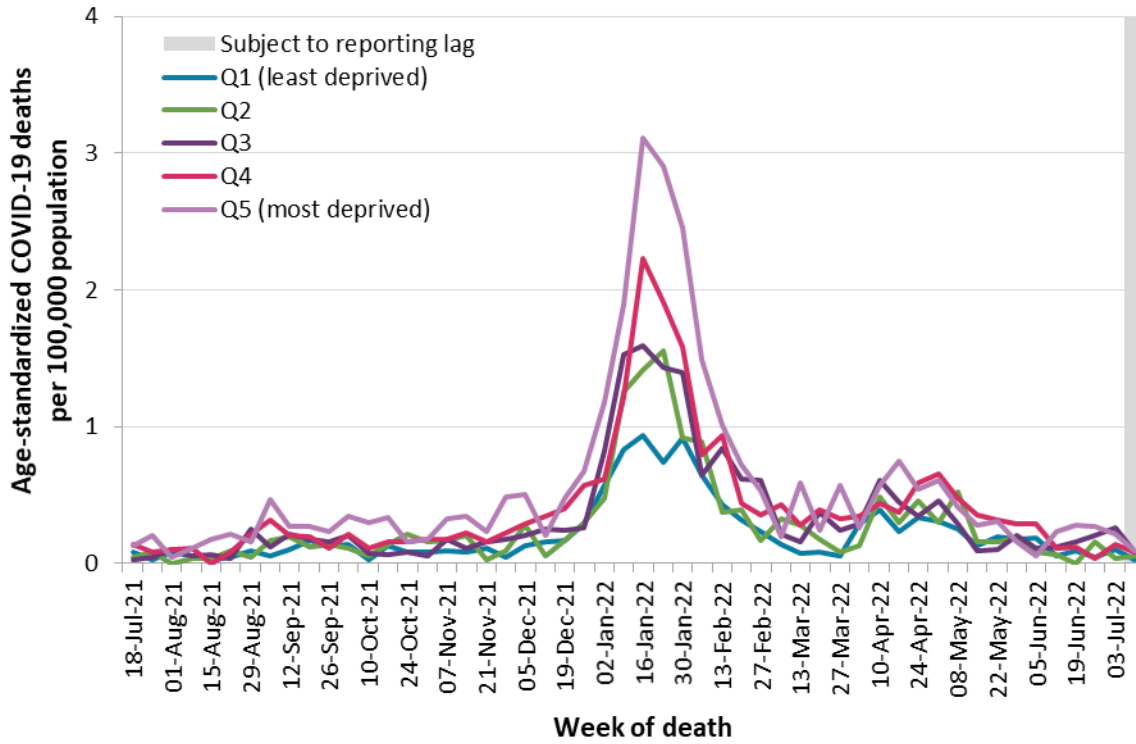
Severity by Neighbourhood Material Deprivation

Figure 5a. Confirmed COVID-19 cases that were admitted to hospital (per 100,000 population), by quintile of neighbourhood material deprivation and hospital admission week



Data Source: CCM, ON-Marg 2016

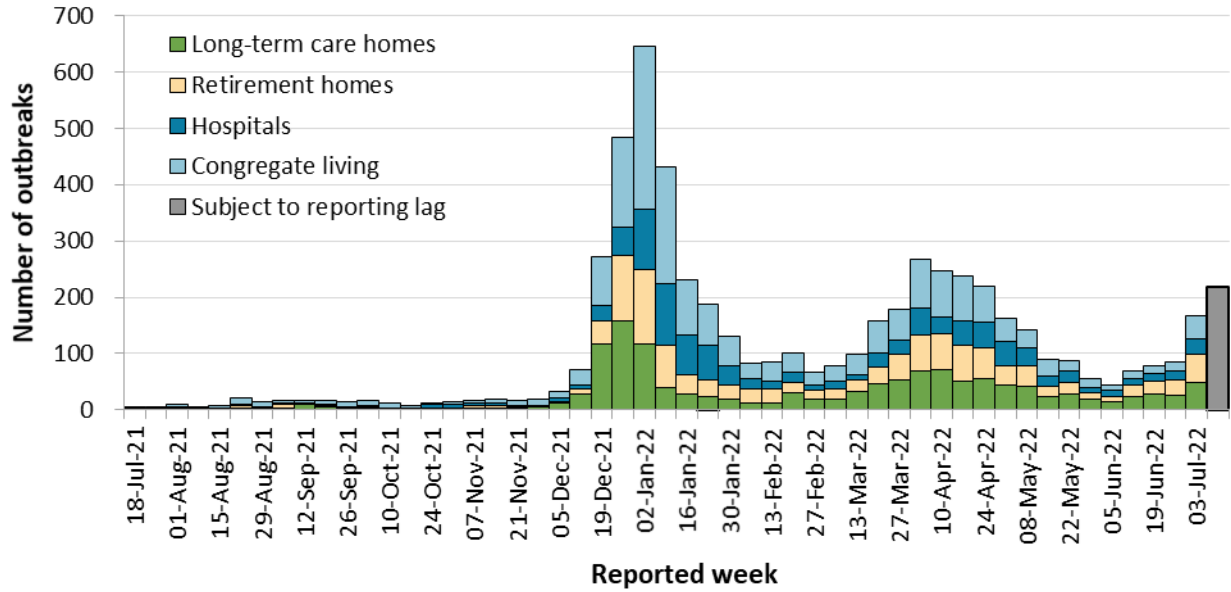
Figure 5b. Confirmed COVID-19 deaths (per 100,000 population), by quintile of neighbourhood material deprivation and week of death



Data Source: CCM, ON-Marg 2016

Outbreaks

Figure 6. Confirmed COVID-19 outbreaks, by setting type and reported week



Note: Congregate living includes group homes, shelters, and correctional facilities.

Table 1. Confirmed COVID-19 outbreaks, by setting type

Setting Type	Reported July 3 to July 9, 2022	Reported July 10 to 16, 2022	Ongoing outbreaks	Reported Past 52 Weeks (July 18, 2021 to July 16, 2022)
Congregate Care	127	152	335	3,741
Long-term care homes	49	63	160	1,427
Retirement homes	50	39	105	1,244
Hospitals	28	50	70	1,070
Congregate Living	39	66	96	2,023
Correctional facility	1	1	2	103
Shelter	11	10	18	370
Group home/supportive housing	27	55	76	1,550
Total number of outbreaks*	166	218	431	5,764

*Only includes outbreaks in the setting types above

Table 2. Confirmed outbreak-associated COVID-19 cases, by setting type and reported week

Cases associated with the outbreak setting type	Reported July 3 to July 9, 2022	Reported July 10 to 16, 2022	Reported Past 52 Weeks (July 18, 2021 to July 16, 2022)
Congregate Care	1,207	2,008	62,176
Long-term care homes	700	1,308	36,890
Retirement homes	346	441	15,911
Hospitals	161	259	9,375
Congregate Living	76	168	12,786
Correctional facility	0	30	4,012
Shelter	21	20	2,479
Group home/supportive housing	55	118	6,295
Total number of cases*	1,283	2,176	74,962

*Only includes cases associated to outbreaks in the setting types above

Technical Notes

Details on data caveats and methods are documented in [Technical Notes](#) of the [Ontario COVID-19 Data Tool](#). For information on data caveats and methods related to Ontario Marginalization Index (ON-Marg), please visit [PHO's ON-Marg webpage](#).

Data Sources

- The data for this report were based on information successfully extracted from the CCM for all PHUS by PHO as of:
 - **July 19, 2022 at 1 p.m.** for cases reported from January 1, 2022 onwards
 - **July 18, 2022 at 9 a.m.** for cases reported from January 1, 2021 to December 31, 2021
 - **June 24, 2022 at 9 a.m.** for cases reported up to December 31, 2020.
- 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].
- Statistics Canada Postal Code Conversion File Plus (PCCF+), version 7E.
- The health equity (material deprivation) analyses use data from the 2016 Ontario Marginalization Index (ON-Marg), and population counts from the Ontario Health Insurance Plan (OHIP) Registered Person Database (RPDB) as of May 1, 2021 (provided by the Institute for Clinical Evaluative Sciences [ICES]). For more information, please visit [PHO's ON-Marg webpage](#).

Appendix A: Cases by Public Health Unit

Figure 7. Confirmed cases of COVID-19 (per 100,000 population), by region and reported week

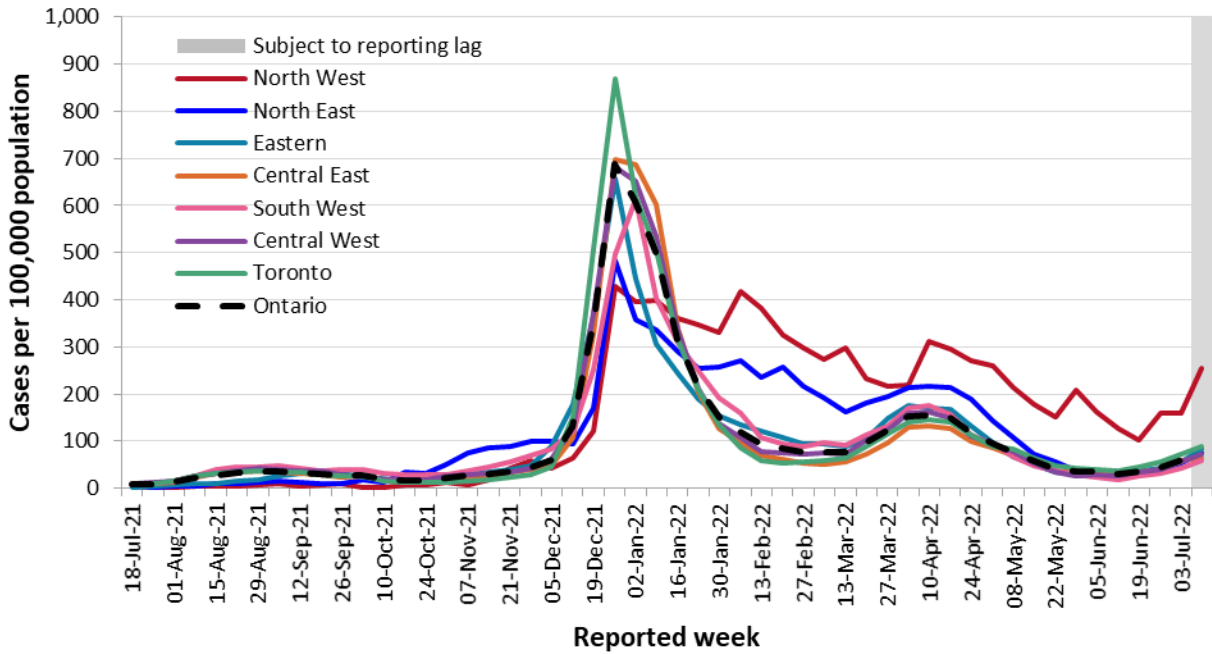


Table 3. Confirmed cases of COVID-19, by public health unit and region

Public Health Unit Name	Cases July 3 to July 9, 2022	Cases per 100,000 population July 3 to July 9, 2022	Cases July 10 to 16, 2022	Cases per 100,000 population July 10 to 16, 2022	Cases per 100,000 population Past 52 weeks (July 18, 2021 to July 16, 2022)
Northwestern Health Unit	258	317.8	480	591.2	11885.2
Thunder Bay District Health Unit	121	76.7	126	79.9	6335.8
TOTAL NORTH WEST	379	158.6	606	253.7	8221.7
Algoma Public Health	49	41.6	64	54.3	7087.6
North Bay Parry Sound District Health Unit	40	30.9	96	74.2	4390.3
Porcupine Health Unit	61	71.8	76	89.4	6471.8
Public Health Sudbury & Districts	134	65.3	171	83.3	6736.9
Timiskaming Health Unit	13	38.4	25	73.8	5365.2
TOTAL NORTH EAST	297	52.0	432	75.6	6157.3
Ottawa Public Health	527	50.5	810	77.7	4690.4
Eastern Ontario Health Unit	147	68.1	207	95.9	5523.5
Hastings Prince Edward Public Health	82	47.4	130	75.2	5522.8
Kingston, Frontenac and Lennox & Addington Public Health	193	92.2	230	109.9	7913.3
Leeds, Grenville & Lanark District Health Unit	88	48.9	159	88.4	4554.7

Public Health Unit Name	Cases July 3 to July 9, 2022	Cases per 100,000 population July 3 to July 9, 2022	Cases July 10 to 16, 2022	Cases per 100,000 population July 10 to 16, 2022	Cases per 100,000 population Past 52 weeks (July 18, 2021 to July 16, 2022)
Renfrew County and District Health Unit	53	48.9	73	67.3	3924.4
TOTAL EASTERN	1,090	56.5	1,609	83.4	5151.9
Durham Region Health Department	351	49.3	427	60.0	5473.2
Haliburton, Kawartha, Pine Ridge District Health Unit	74	38.8	73	38.3	3937.5
Peel Public Health	791	50.6	971	62.1	5080.6
Peterborough Public Health	79	53.3	106	71.6	4213.5
Simcoe Muskoka District Health Unit	330	54.6	357	59.1	5824.0
York Region Public Health	915	76.2	933	77.7	5242.4
TOTAL CENTRAL EAST	2,540	57.5	2,867	64.9	5211.0
Toronto Public Health	2,152	72.0	2,641	88.4	5578.4
TOTAL TORONTO	2,152	72.0	2,641	88.4	5578.4
Chatham-Kent Public Health	26	24.4	42	39.4	6607.6
Grey Bruce Health Unit	36	20.4	58	32.9	4010.2
Huron Perth Public Health	41	28.0	84	57.4	3849.1
Lambton Public Health	46	34.6	67	50.4	6362.2
Middlesex-London Health Unit	262	51.3	315	61.7	5231.4

Public Health Unit Name	Cases July 3 to July 9, 2022	Cases per 100,000 population July 3 to July 9, 2022	Cases July 10 to 16, 2022	Cases per 100,000 population July 10 to 16, 2022	Cases per 100,000 population Past 52 weeks (July 18, 2021 to July 16, 2022)
Southwestern Public Health	103	47.1	127	58.0	4745.4
Windsor-Essex County Health Unit	229	53.1	308	71.5	6525.7
TOTAL SOUTH WEST	743	43.1	1,001	58.1	5423.7
Brant County Health Unit	123	80.1	100	65.1	5407.7
City of Hamilton Public Health Services	468	80.5	615	105.7	6736.6
Haldimand-Norfolk Health Unit	59	49.2	91	75.8	5266.3
Halton Region Public Health	307	50.3	382	62.6	5436.5
Niagara Region Public Health	245	50.9	370	76.8	5423.2
Region of Waterloo Public Health and Emergency Services	250	41.3	358	59.2	4883.7
Wellington-Dufferin-Guelph Public Health	126	40.4	185	59.3	4681.8
TOTAL CENTRAL WEST	1,578	55.1	2,101	73.3	5490.6
TOTAL ONTARIO	8,779	59.6	11,257	76.4	5442.5

Appendix B: Severity Measures by Age and Sex

Table 4. Confirmed COVID-19 cases that were admitted to hospital, by sex and age group

Sex and age group	Hospital admissions July 3 to July 9, 2022	Hospital admissions per 100,000 population July 3 to July 9, 2022	Hospital admissions July 10 to 16, 2022	Hospital admissions per 100,000 population July 10 to 16, 2022	Hospital admissions Past 52 weeks (July 18, 2021 to July 16, 2022)	Hospital admissions per 100,000 population Past 52 weeks (July 18, 2021 to July 16, 2022)
Total Cases	325	2.2	405	2.7	22,546	153.0
Sex: Female	151	2.0	188	2.5	10,244	137.4
Sex: Male	174	2.4	216	3.0	12,263	168.5
Sex: Did not specify female or male	0	N/A	1	N/A	39	N/A
Ages: <1	9	6.3	11	7.7	514	360.9
Ages: 1 – 4	6	1.0	8	1.4	383	66.0
Ages: 5 – 11	1	0.1	3	0.3	200	18.5
Ages: 12 – 19	2	0.2	1	0.1	261	19.6
Ages: 20 – 39	16	0.4	19	0.5	1,749	42.1
Ages: 40 – 59	30	0.8	36	0.9	3,537	90.8
Ages: 60 – 79	101	3.5	147	5.1	8,651	298.3
Ages: 80 and over	160	24.4	179	27.3	7,250	1105.5
Ages: Unknown	0	N/A	1	N/A	1	N/A

Table 5. Confirmed COVID-19 deaths, by sex and age group

Sex and age group	Deaths July 3 to July 9, 2022	Deaths per 100,000 population July 3 to July 9, 2022	Deaths July 10 to 16, 2022	Deaths per 100,000 population July 10 to 16, 2022	Deaths Past 52 weeks (July 18, 2021 to July 16, 2022)	Deaths per 100,000 population Past 52 weeks (July 18, 2021 to July 16, 2022)
Total Cases	39	0.3	32	0.2	4,254	28.9
Sex: Female	14	0.2	18	0.2	1,821	24.4
Sex: Male	25	0.3	14	0.2	2,421	33.3
Sex: Did not specify female or male	0	N/A	0	N/A	12	N/A
Ages: 0 – 19	0	0.0	1	<0.1	13	0.4
Ages: 20 – 39	0	0.0	0	0.0	67	1.6
Ages: 40 – 59	3	0.1	0	0.0	357	9.2
Ages: 60 – 79	11	0.4	6	0.2	1,503	51.8
Ages: 80 and over	25	3.8	25	3.8	2,314	352.8
Ages: Unknown	0	N/A	0	N/A	0	N/A

Appendix C: All Time Severe Outcomes

Table 6. Confirmed COVID-19 cases and deaths among LTCH residents, by wave

Table C1. Confirmed COVID-19 cases and deaths among LTCH residents, by wave: Ontario	Number of LTCH Resident Cases	Number of LTCH Resident COVID-19 deaths	Case Fatality Rate (CFR)
Wave 1 (February 26, 2020 to August 31, 2020)	6,011	1,906	31.7%
Wave 2 (September 1, 2020 to February 28, 2021)	9,055	1,946	21.5%
Wave 3 (March 1, 2021 to July 31, 2021)	413	59	14.3%
Wave 4 (August 1, 2021 to December 14, 2021)	245	45	18.4%
Wave 5 (December 15, 2021 to February 28, 2022)	10,023	480	4.8%
Wave 6 (March 1, 2022 to June 18, 2022)	7,590	197	2.6%
Wave 7 (June 19, 2022 to July 16, 2022)*	2,098	34	1.6%
Total	35,435	4,667	13.2%

*Wave 7 is ongoing and only includes cases up to July 16, 2022. Therefore, the case fatality rate for the time period of wave 7 presented here may increase.

Citation

Ontario Agency for Health Protection and Promotion (Public Health Ontario). Weekly epidemiologic summary: COVID-19 in Ontario – July 10, 2022 to July 16, 2022. Toronto, ON: Queen’s Printer for Ontario; 2022.

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