

WEEKLY EPIDEMIOLOGICAL SUMMARY

COVID-19 in Ontario: Focus on July 3, 2022 to July 9, 2022 (Week 27)

Published: July 14, 2022

This report includes the most current information available from the Public Health Case and Contact Management Solution (CCM) as of **July 12, 2022** unless otherwise specified.

Figures and tables in this report present the most recent 52 weeks of data for Ontario, ranging from **July 11, 2021 to July 9, 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 30% among those eligible for testing:** The number of reported cases in Ontario increased to 8,617 this week, up from 6,624 last week. Reported cases have been increasing since the beginning of Wave 7 (starting June 19, 2022).
 - Case rates increased in 91% (31/34) of Ontario's public health units. While the North West continues to report a 2 to 3 times higher case rate compared to other regions, it was the only region where the case rate decreased this week (16% decrease). Case rates in the other 6 regions all showed increases ranging from 27% to 39%.
 - Case rates increased in 6 of 7 age groups. The 80 years and older age group had the largest increase in case rate this week (37% increase), and had a case rate 3 to 13 times higher than other age groups.
- **Percent positivity and testing volumes are higher:** Percent positivity was 13.2% this week, higher than 11.2% last week. Testing volume was 64,861 tests this week, more than 56,642 tests last week.

Severity

- **Wave 7 hospital admissions increasing, while deaths remaining stable:** While there was only a small increase in hospital admissions this week (260) compared to last week (257), a trend of increasing hospital admissions since the beginning of wave 7 is now evident. In the weeks prior to wave 7, weekly hospital admissions had dropped to 197. Deaths have been relatively stable since the beginning of wave 7, with 29 to 35 weekly deaths reported in the past three 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 higher rates of hospitalizations and deaths compared to all other age groups.

Outbreaks

- **Outbreaks in high-risk settings increased 87%:** The total number of outbreaks in high-risk settings was 144 this week, up from 77 last week. There were 42 outbreaks reported in Long-Term care homes this week, which is 110% higher than the 20 reported last week. All congregate care and congregate living settings reported more outbreaks this week compared to last week, with the exception of correctional facilities which continue to report zero outbreaks.
- **Outbreak-associated cases in high-risk settings increased 44%:** There were 1,096 outbreak-associated cases reported this week compared to 761 last week. All congregate care and congregate living settings reported more cases this week compared to last week, with the exception of correctional facilities.

Cases

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

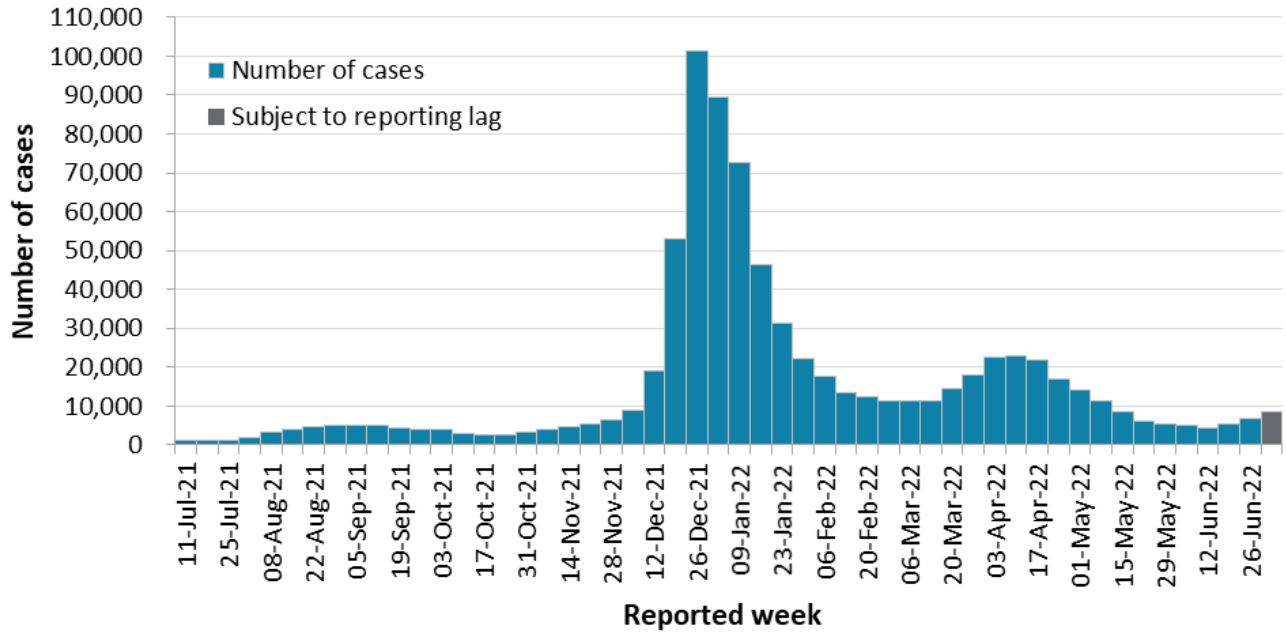
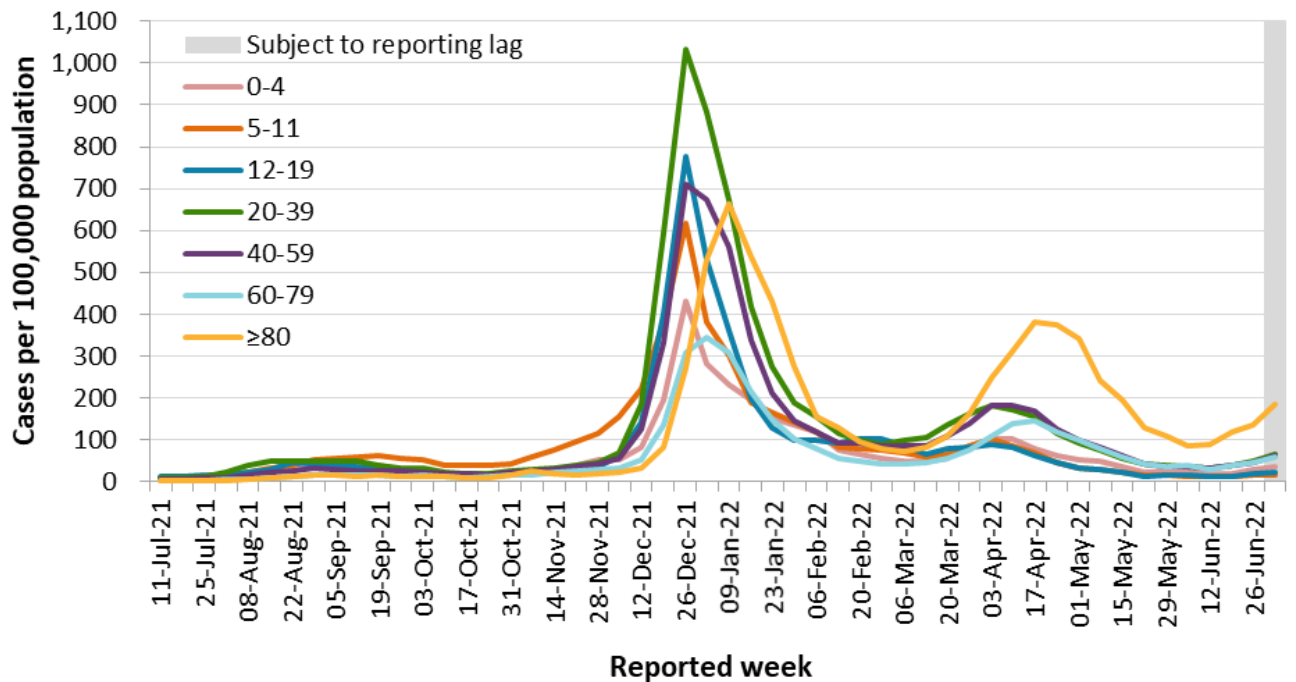


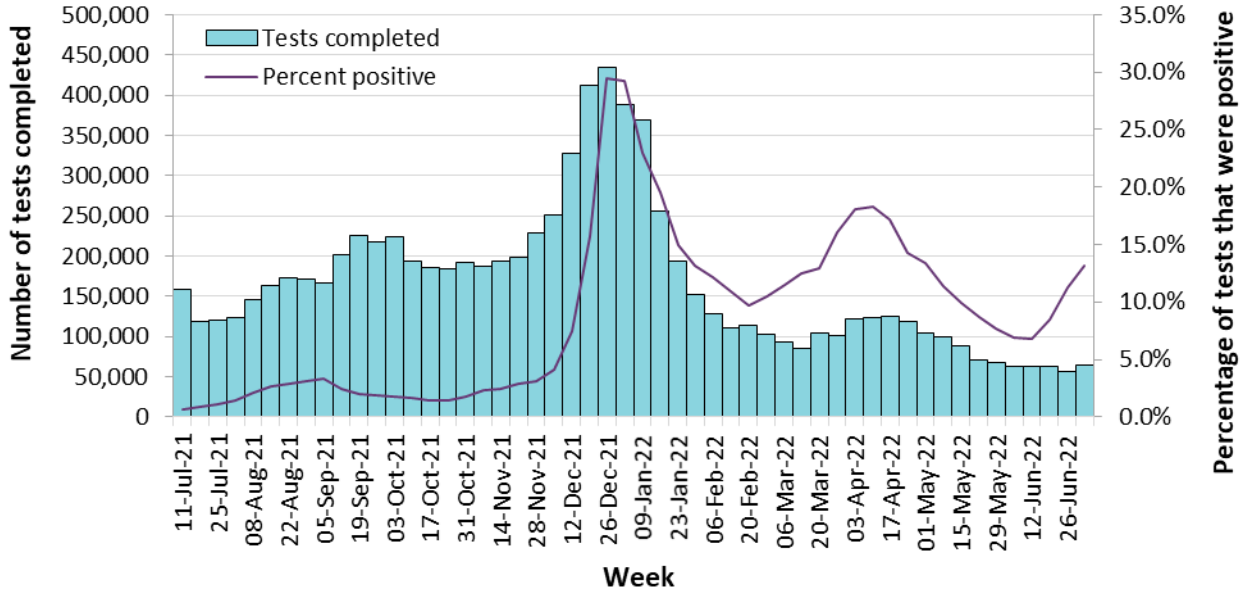
Figure 1b. Confirmed cases of COVID-19 (per 100,000 population), by age group and reported week



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

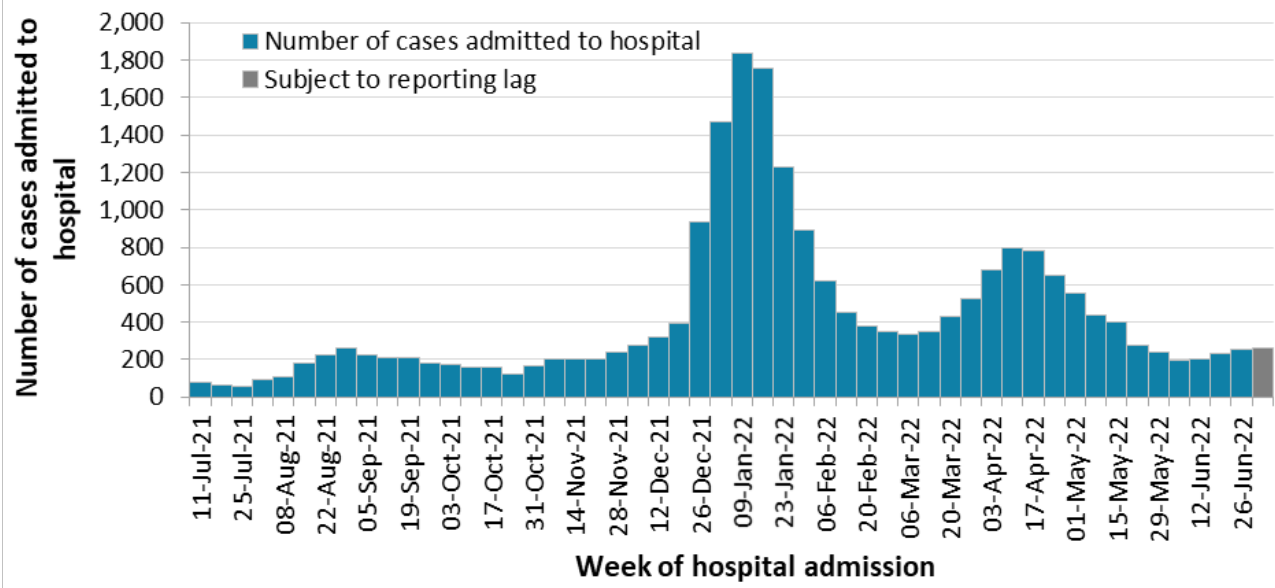
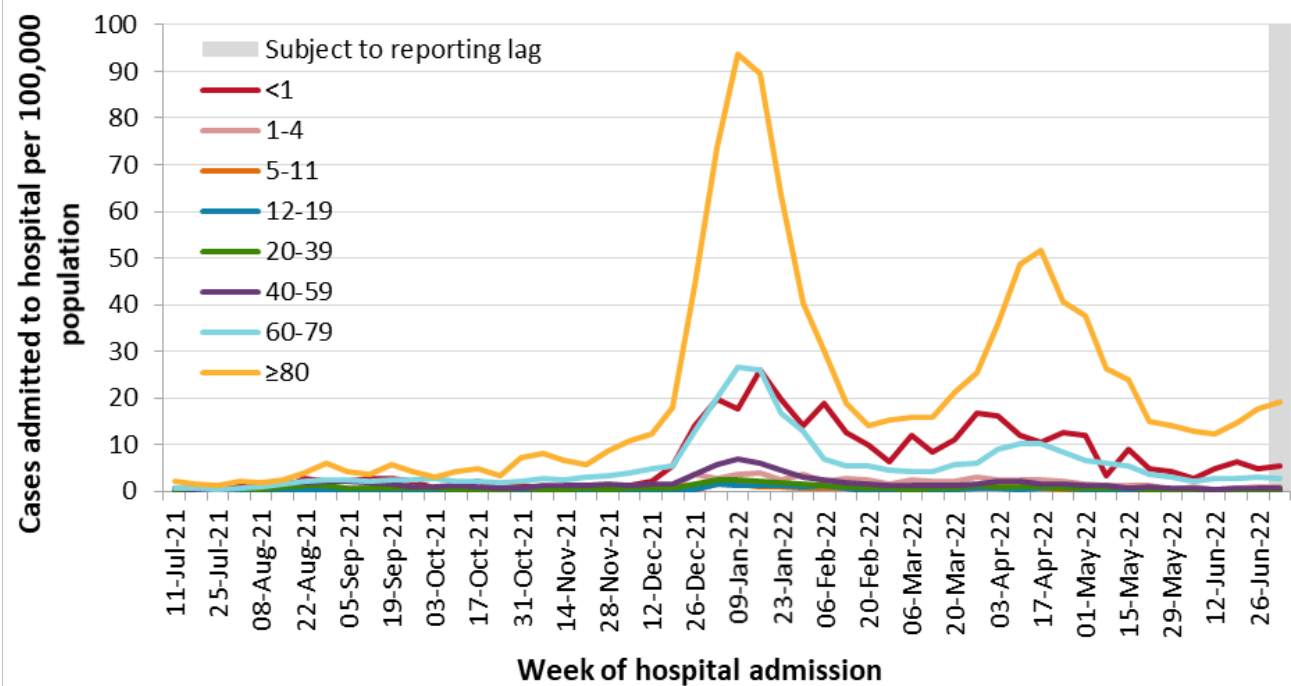


Figure 3b. Confirmed COVID-19 cases that were admitted to hospital (per 100,000 population), by age group and hospital admission date



Note: Not all cases have an age reported.

Deaths

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

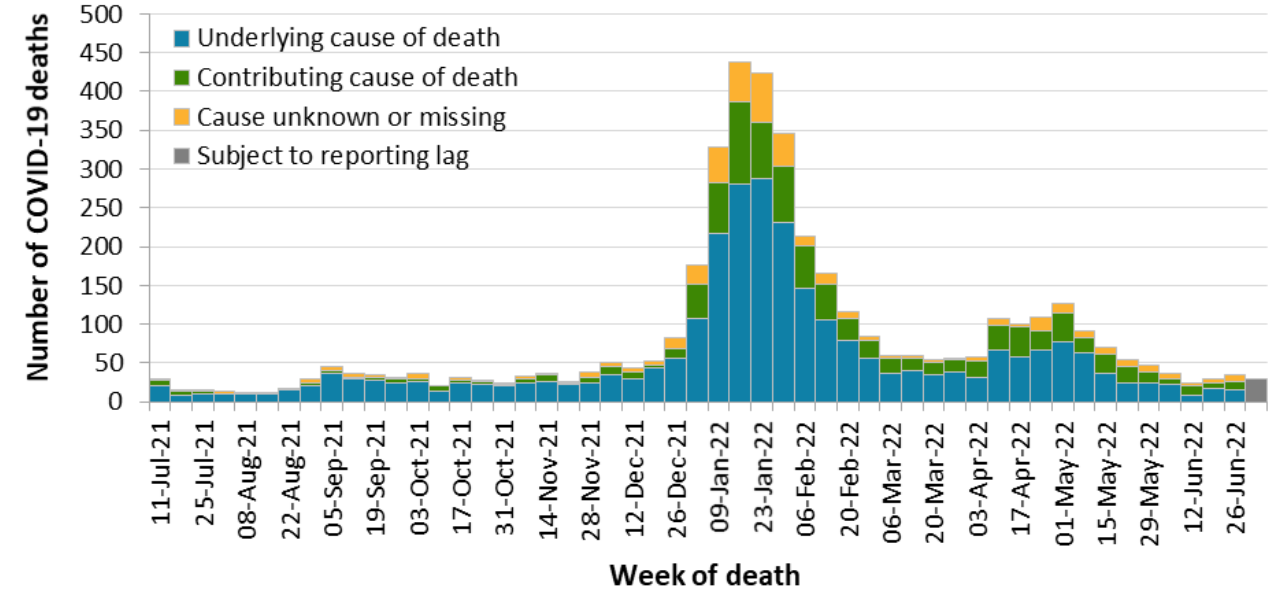
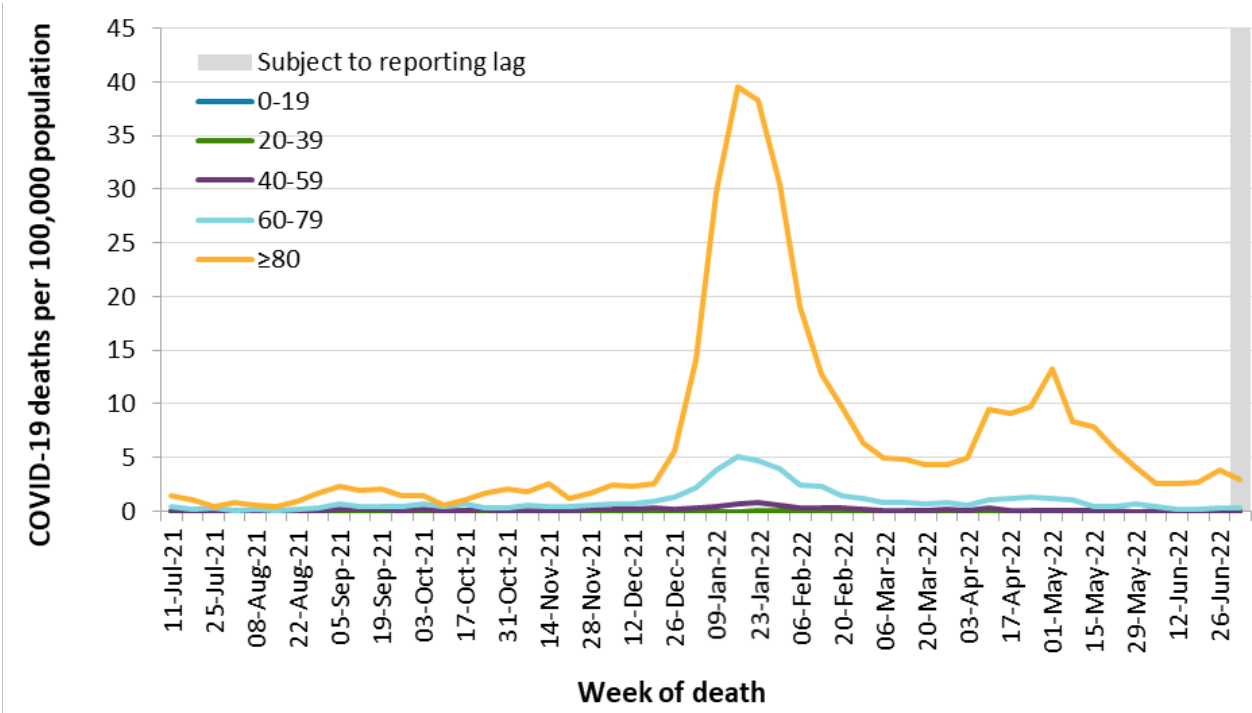
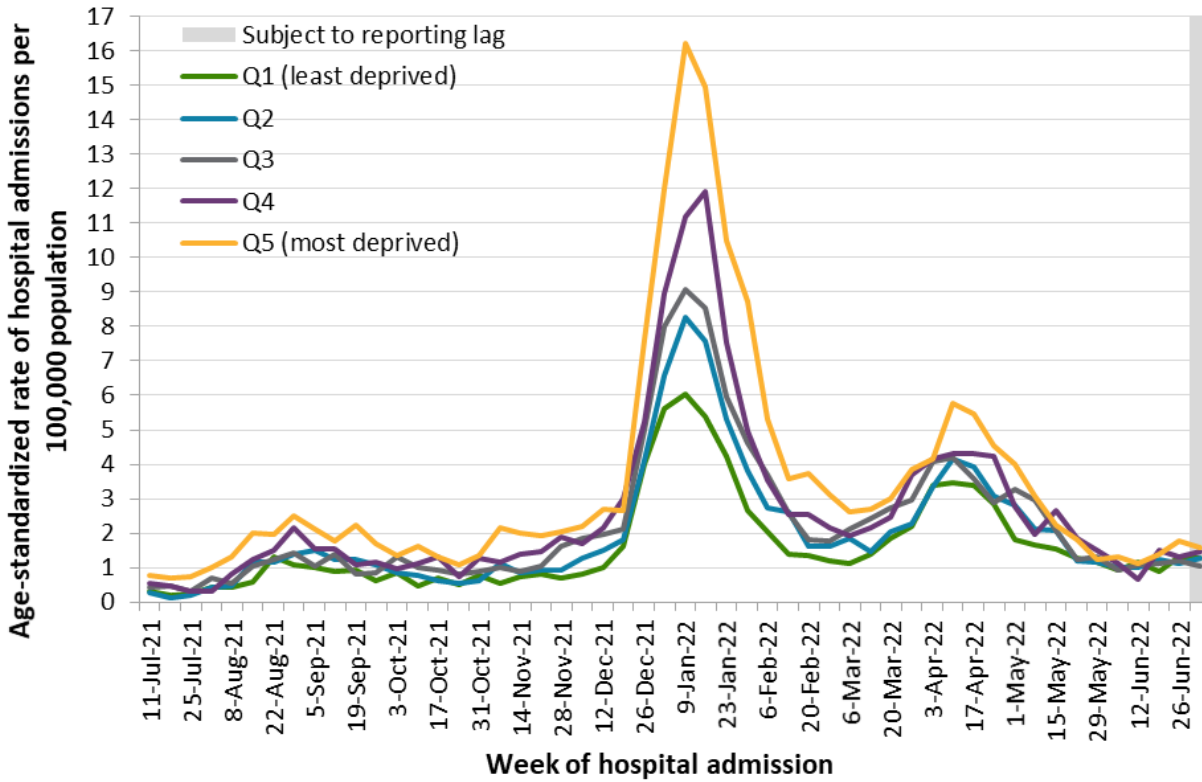


Figure 4b. Confirmed COVID-19 deaths (per 100,000 population), by age group and week of death



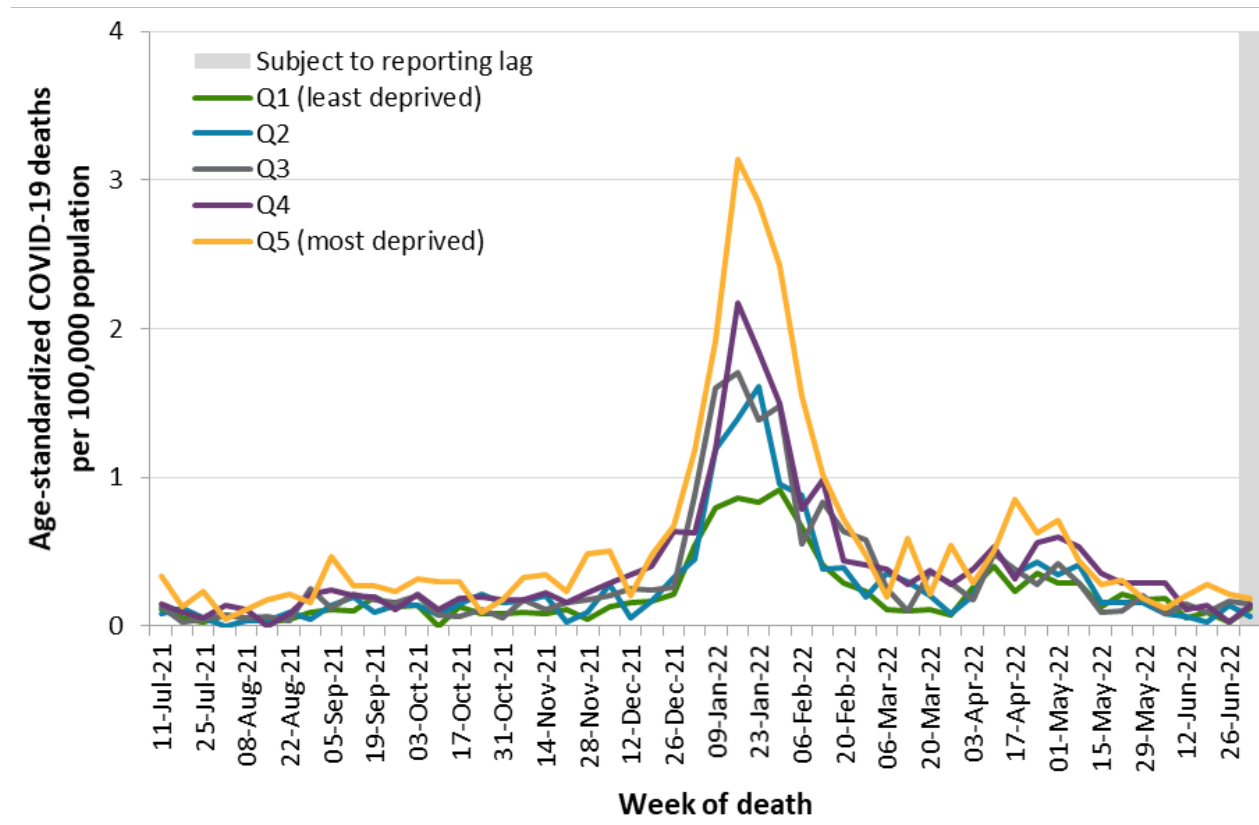
Severity by Neighbourhood Material Deprivation

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

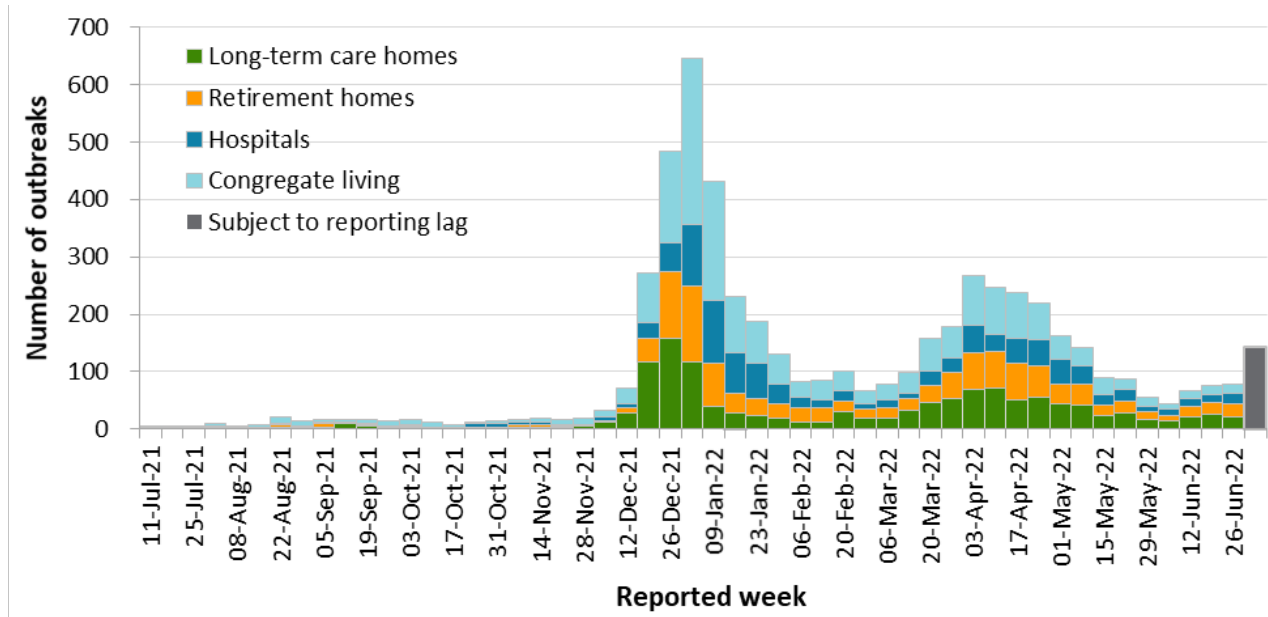
Figure 5b. Confirmed COVID-19 deaths (per 100,000 population), by quintile of neighbourhood material deprivation and week of death



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 June 26 to July 2, 2022	Reported July 3 to 9, 2022	Ongoing outbreaks	Reported Past 52 Weeks (July 11, 2021 to July 9, 2022)
Congregate Care	62	109	212	3,560
Long-term care homes	20	42	97	1,347
Retirement homes	24	39	78	1,191
Hospitals	18	28	37	1,022
Congregate Living	15	35	47	1,955
Correctional facility	0	0	0	101
Shelter	3	10	13	359
Group home/supportive housing	12	25	34	1,495
Total number of outbreaks*	77	144	259	5,515

*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 June 26 to July 2, 2022	Reported July 3 to 9, 2022	Reported Past 52 Weeks (July 11, 2021 to July 9, 2022)
Congregate Care	720	1,040	59,992
Long-term care homes	359	590	35,465
Retirement homes	269	322	15,441
Hospitals	92	128	9,086
Congregate Living	41	56	12,609
Correctional facility	1	0	3,983
Shelter	6	16	2,462
Group home/supportive housing	34	40	6,164
Total number of cases*	761	1,096	72,601

*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 12, 2022 at 1 p.m.** for cases reported from January 1, 2022 onwards
 - **July 11, 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

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

Public Health Unit Name	Cases June 26 to July 2, 2022	Cases per 100,000 population June 26 to July 2, 2022	Cases July 3 to 9, 2022	Cases per 100,000 population July 3 to 9, 2022	Cases per 100,000 population Past 52 weeks (July 11, 2021 to July 9, 2022)
Northwestern Health Unit	261	321.5	195	240.2	11,212.7
Thunder Bay District Health Unit	116	73.6	121	76.7	6,255.9
TOTAL NORTH WEST	377	157.8	316	132.3	7,940.4
Algoma Public Health	38	32.2	49	41.6	7,035.0
North Bay Parry Sound District Health Unit	33	25.5	40	30.9	4,333.1
Porcupine Health Unit	47	55.3	61	71.8	6,416.5
Public Health Sudbury & Districts	112	54.6	135	65.8	6,655.6
Timiskaming Health Unit	3	8.9	12	35.4	5,288.5
TOTAL NORTH EAST	233	40.8	297	52.0	6,091.5
Ottawa Public Health	488	46.8	529	50.7	4,614.7
Eastern Ontario Health Unit	68	31.5	145	67.2	5,427.6
Hastings Prince Edward Public Health	59	34.1	83	48.0	5,452.8
Kingston, Frontenac and Lennox & Addington Public Health	100	47.8	192	91.8	7,803.9
Leeds, Grenville & Lanark District Health Unit	87	48.3	88	48.9	4,467.5

Public Health Unit Name	Cases June 26 to July 2, 2022	Cases per 100,000 population June 26 to July 2, 2022	Cases July 3 to 9, 2022	Cases per 100,000 population July 3 to 9, 2022	Cases per 100,000 population Past 52 weeks (July 11, 2021 to July 9, 2022)
Renfrew County and District Health Unit	37	34.1	54	49.8	3,861.8
TOTAL EASTERN	839	43.5	1,091	56.5	5,070.5
Durham Region Health Department	278	39.1	349	49.1	5,417.7
Haliburton, Kawartha, Pine Ridge District Health Unit	50	26.2	74	38.8	3,903.5
Peel Public Health	554	35.4	791	50.6	5,024.0
Peterborough Public Health	44	29.7	79	53.3	4,144.0
Simcoe Muskoka District Health Unit	226	37.4	329	54.4	5,767.8
York Region Public Health	656	54.7	894	74.5	5,165.4
TOTAL CENTRAL EAST	1,808	40.9	2,516	56.9	5,149.7
Toronto Public Health	1,644	55.0	2,093	70.0	5,493.6
TOTAL TORONTO	1,644	55.0	2,093	70.0	5,493.6
Chatham-Kent Public Health	39	36.6	26	24.4	6,573.8
Grey Bruce Health Unit	26	14.8	35	19.9	4,060.7
Huron Perth Public Health	29	19.8	40	27.4	3,799.8
Lambton Public Health	48	36.1	46	34.6	6,316.4
Middlesex-London Health Unit	183	35.8	260	50.9	5,180.9

Public Health Unit Name	Cases June 26 to July 2, 2022	Cases per 100,000 population June 26 to July 2, 2022	Cases July 3 to 9, 2022	Cases per 100,000 population July 3 to 9, 2022	Cases per 100,000 population Past 52 weeks (July 11, 2021 to July 9, 2022)
Southwestern Public Health	67	30.6	103	47.1	4,694.7
Windsor-Essex County Health Unit	162	37.6	222	51.5	6,454.4
TOTAL SOUTH WEST	554	32.2	732	42.5	5,379.8
Brant County Health Unit	63	41.0	121	78.8	5,344.6
City of Hamilton Public Health Services	394	67.7	472	81.1	6,643.6
Haldimand-Norfolk Health Unit	32	26.7	56	46.7	5,191.3
Halton Region Public Health	248	40.6	305	50.0	5,379.0
Niagara Region Public Health	138	28.6	244	50.7	5,349.1
Region of Waterloo Public Health and Emergency Services	192	31.7	248	41.0	4,852.5
Wellington-Dufferin-Guelph Public Health	102	32.7	126	40.4	4,636.3
TOTAL CENTRAL WEST	1,169	40.8	1,572	54.9	5,428.9
TOTAL ONTARIO	6,624	45.0	8,617	58.5	5,372.0

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 June 26 to July 2, 2022	Hospital admissions per 100,000 population June 26 to July 2, 2022	Hospital admissions July 3 to 9, 2022	Hospital admissions per 100,000 population July 3 to 9, 2022	Hospital admissions Past 52 weeks (July 11, 2021 to July 9, 2022)	Hospital admissions per 100,000 population Past 52 weeks (July 11, 2021 to July 9, 2022)
Total Cases	257	1.7	260	1.8	22,054	149.7
Sex: Female	122	1.6	120	1.6	10,026	134.5
Sex: Male	135	1.9	140	1.9	11,991	164.7
Sex: Did not specify female or male	0	N/A	0	N/A	37	N/A
Ages: <1	7	4.9	8	5.6	501	351.8
Ages: 1 – 4	6	1.0	6	1.0	378	65.1
Ages: 5 – 11	2	0.2	1	0.1	197	18.3
Ages: 12 – 19	2	0.2	2	0.2	262	19.7
Ages: 20 – 39	13	0.3	15	0.4	1,736	41.8
Ages: 40 – 59	22	0.6	23	0.6	3,509	90.1
Ages: 60 – 79	88	3.0	78	2.7	8,473	292.2
Ages: 80 and over	117	17.8	126	19.2	6,997	1,066.9
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 June 26 to July 2, 2022	Deaths per 100,000 population June 26 to July 2, 2022	Deaths July 3 to 9, 2022	Deaths per 100,000 population July 3 to 9, 2022	Deaths Past 52 weeks (July 11, 2021 to July 9, 2022)	Deaths per 100,000 population Past 52 weeks (July 11, 2021 to July 9, 2022)
Total Cases	35	0.2	30	0.2	4,235	28.7
Sex: Female	13	0.2	11	0.1	1,805	24.2
Sex: Male	22	0.3	19	0.3	2,418	33.2
Sex: Did not specify female or male	0	N/A	0	N/A	12	N/A
Ages: 0 – 19	0	0.0	0	0.0	12	0.4
Ages: 20 – 39	0	0.0	0	0.0	67	1.6
Ages: 40 – 59	2	0.1	3	0.1	361	9.3
Ages: 60 – 79	8	0.3	8	0.3	1,507	52.0
Ages: 80 and over	25	3.8	19	2.9	2,288	348.9
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)	10,022	479	4.8%
Wave 6 (March 1, 2022 to June 18, 2022)	7,588	196	2.6%
Wave 7 (June 19, 2022 to July 9, 2022)*	1,066	15	1.4%
Total	34,400	4,646	13.5%

*Wave 7 is ongoing and only includes cases up to July 9, 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 3, 2022 to July 9, 2022. Toronto, ON: Queen’s Printer for Ontario; 2022.

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