

WEEKLY EPIDEMIOLOGICAL SUMMARY

COVID-19 in Ontario: Focus on July 17, 2022 to July 23, 2022 (Week 29)

Published: July 28, 2022

Figures and tables in this report present the most recent 52 weeks of data for Ontario, ranging from **July 25, 2021 to July 23, 2022**. This report includes the most current information available from the Public Health Case and Contact Management Solution (CCM), unless otherwise specified.

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 similar to last week among those eligible for testing:** The number of reported cases in Ontario increased to 11,887 this week, compared to 11,430 last week.
 - Case rates increased in 25 of Ontario's 34 public health units. Case rates increased in 4 regions of Ontario, with increases ranging from 3% in Central East to 39% in North East compared to last week. Case rates decreased in the 3 other regions, with decreases ranging from 2% in Central West to 50% in North West. Despite rates decreasing in the North West, this region continues to report the highest case rates, with this week's case rates approximately 1.5 times higher than most other regions.
 - Case rates increased by 23% this week in the 80 years and older age group, which continues to experience the highest case rates. Case rates in all other age groups increased by less than 5% or decreased this week compared to last week.
- **Percent positivity and testing volumes are similar to last week:** Percent positivity was 14.8% this week, compared to 14.6% last week. Testing volume was 81,894 tests this week, compared to 77,754 tests last week.

Severity

- **Hospital admissions decreased, while deaths increased this week:** Hospital admissions decreased to 402 this week, from 507 last week. This is the first week-over-week decrease in hospital admissions since the beginning of wave 7. There were 61 deaths reported this week, up from 46 the week before. A trend of increasing deaths since the beginning of wave 7 is now evident. The number of severe outcomes reported in future weeks may increase, 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 decreased 16%:** The total number of outbreaks in high-risk settings was 203 this week, down from 241 last week. Fewer outbreaks were reported this week compared to last week in group homes/supportive housing (36% decrease), long-term care homes (20% decrease), and retirement homes (11% decrease). Hospitals, correctional facilities, and shelters reported a similar number of outbreaks this week compared to last week.
- **Outbreak-associated cases in high-risk settings increased 14%:** There were 2,791 outbreak-associated cases reported this week compared to 2,459 last week. All congregate care settings, as well as shelters, reported more cases this week compared to last week. Correctional facilities and group home/supportive housing reported fewer cases this week compared to last week.

Cases

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

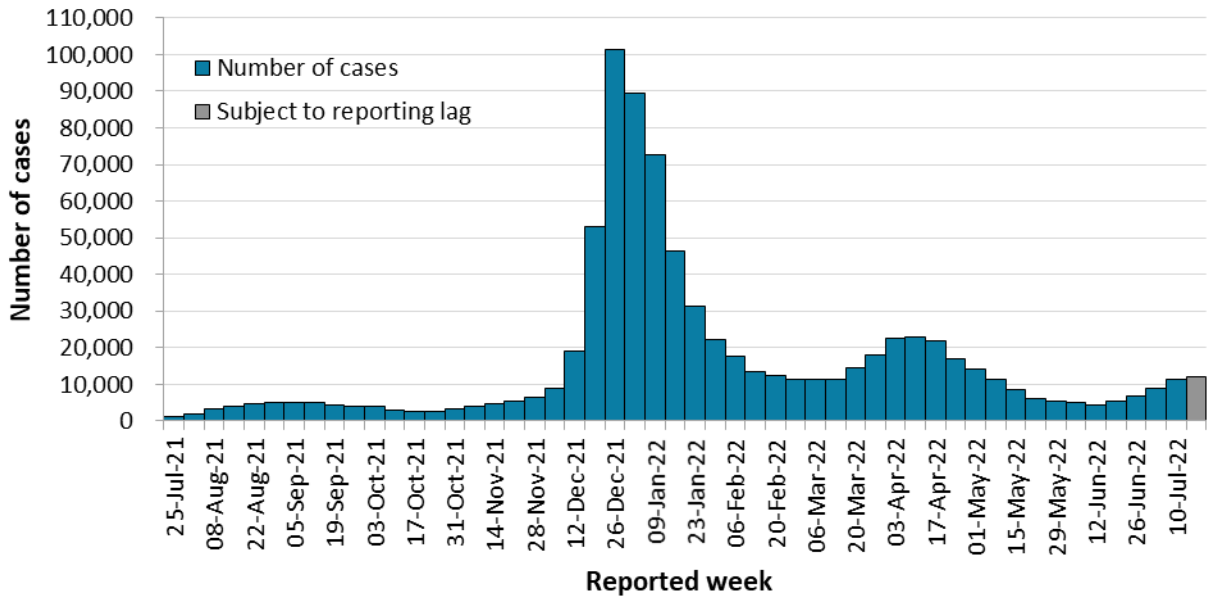
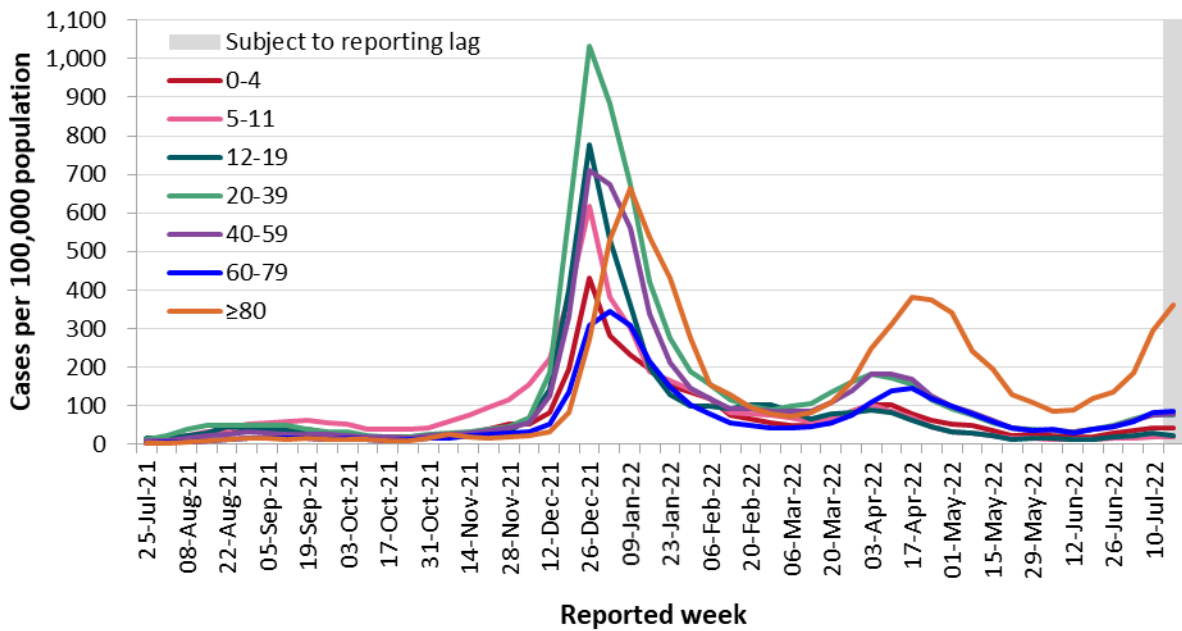


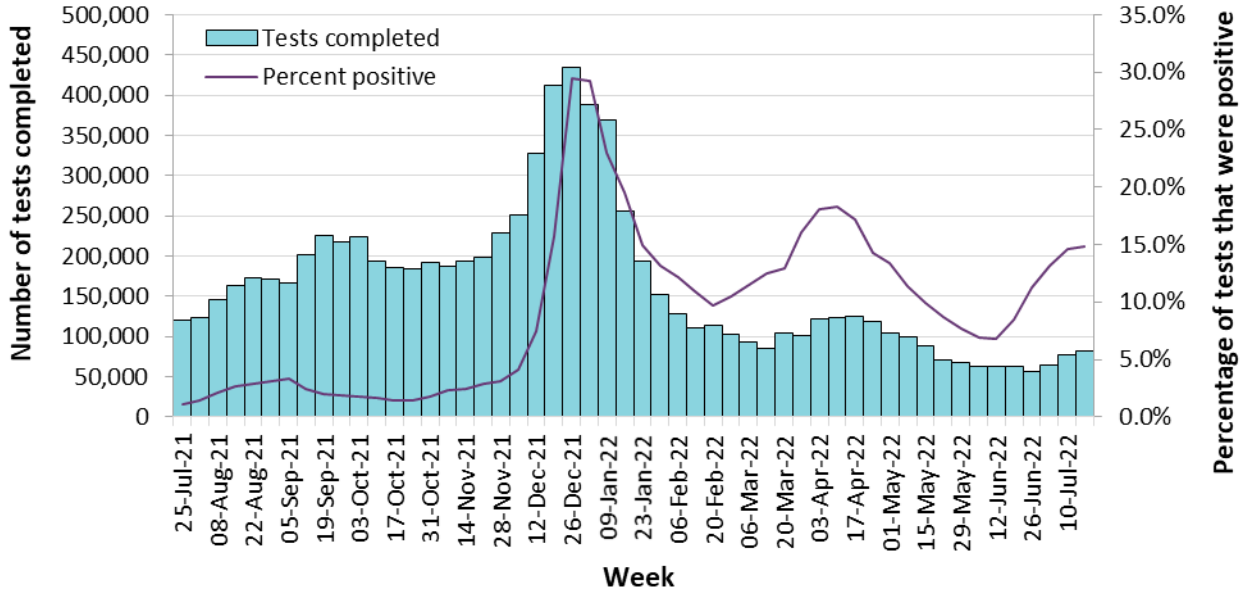
Figure 1b. Confirmed cases of COVID-19 (per 100,000 population), by age group and reported week



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

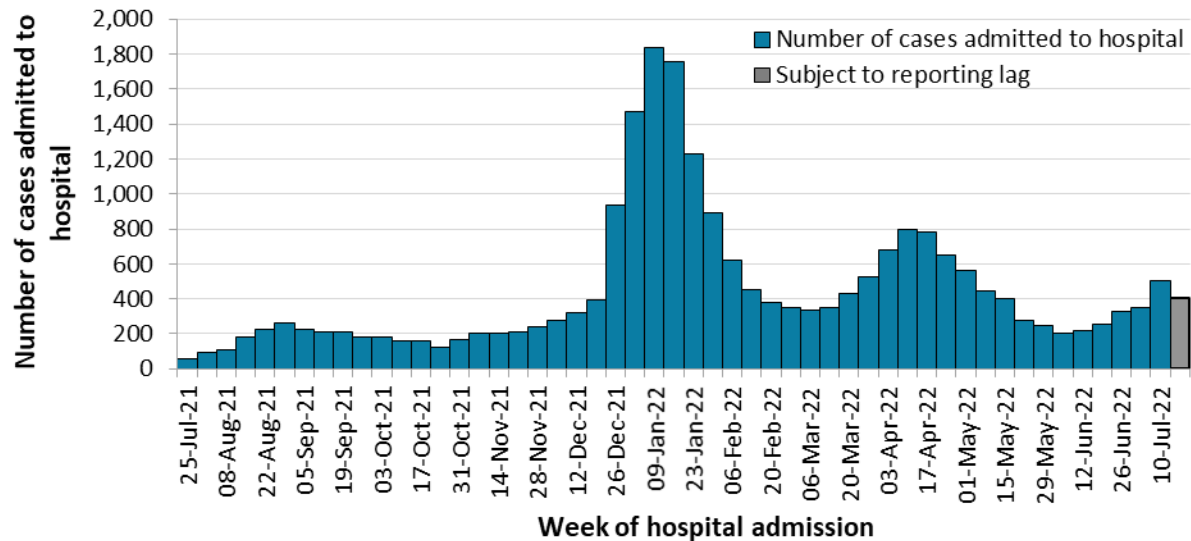
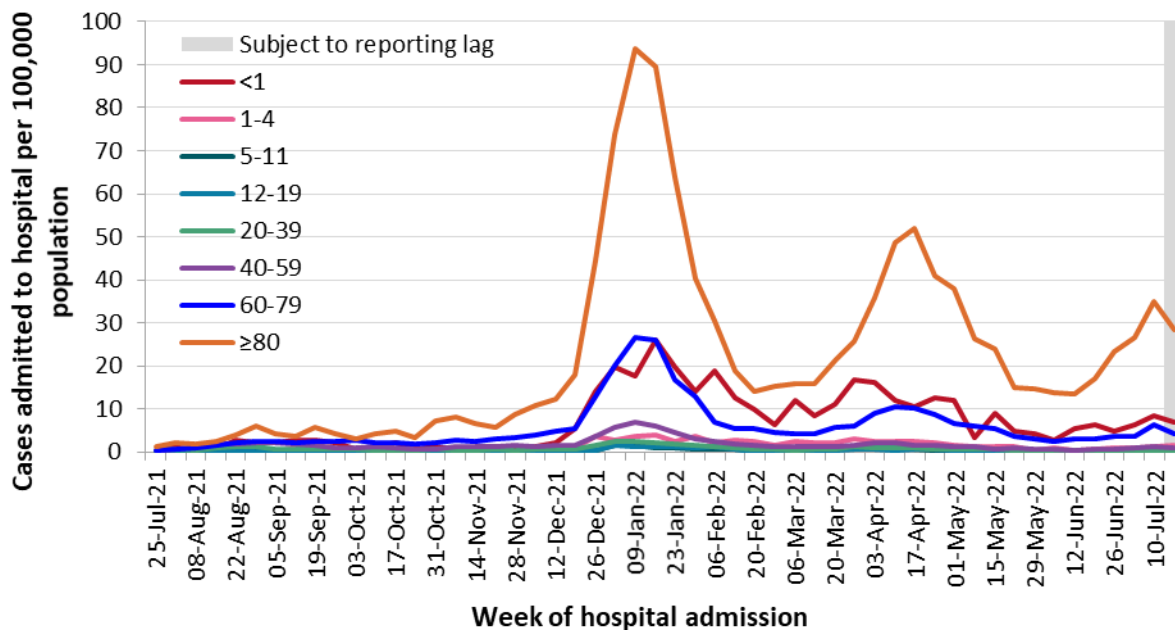


Figure 3b. Confirmed COVID-19 cases that were admitted to hospital (per 100,000 population), by age group and hospital admission date



Note: Not all cases have an age reported.

Deaths

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

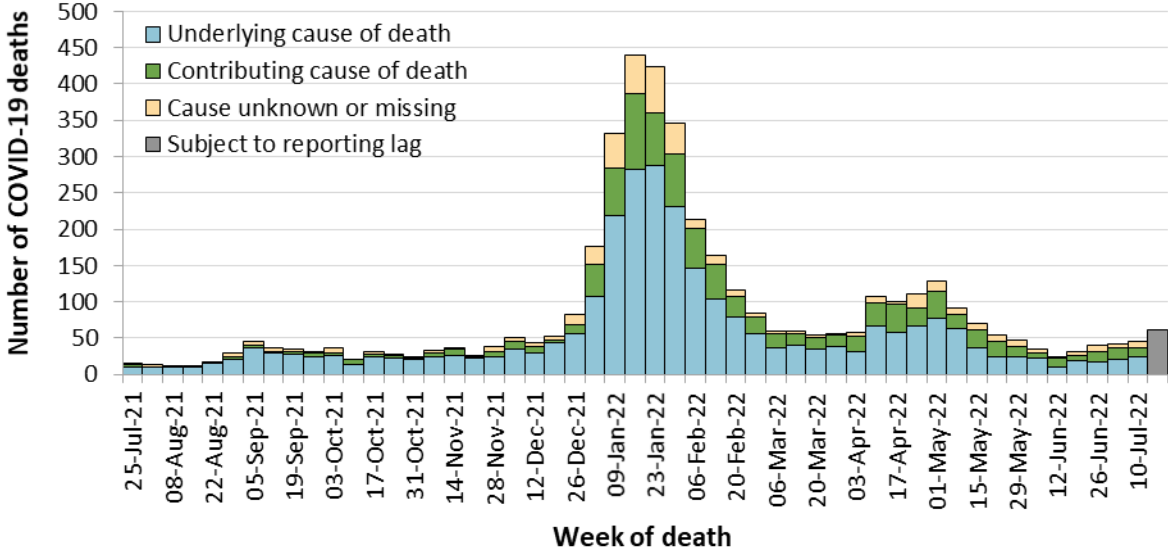
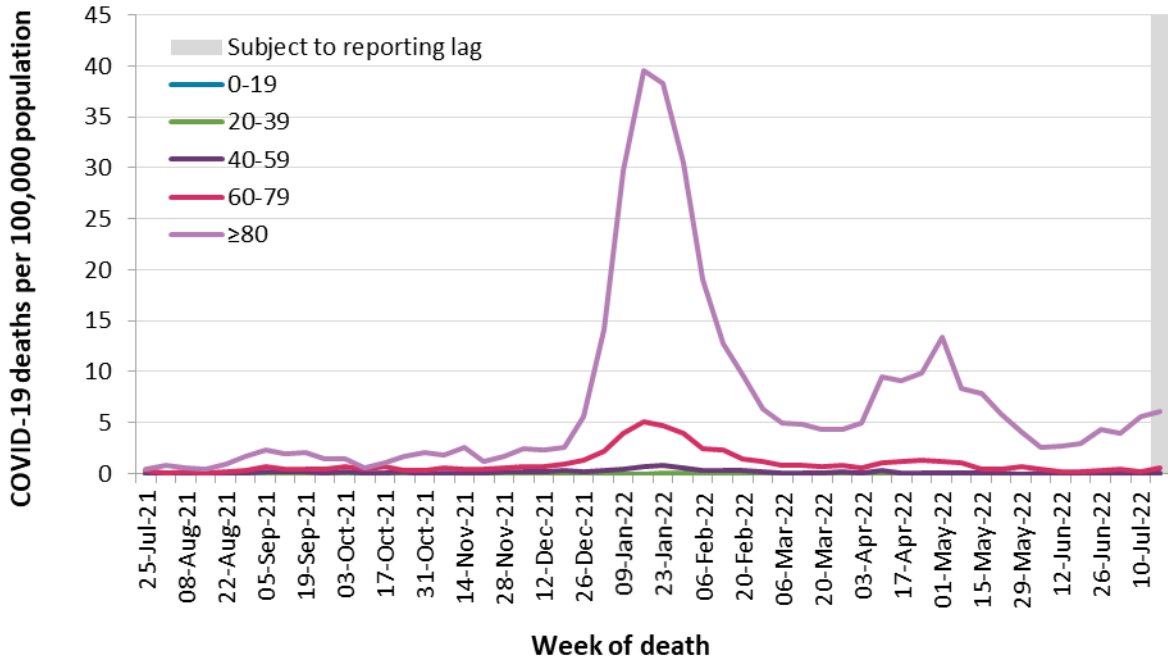
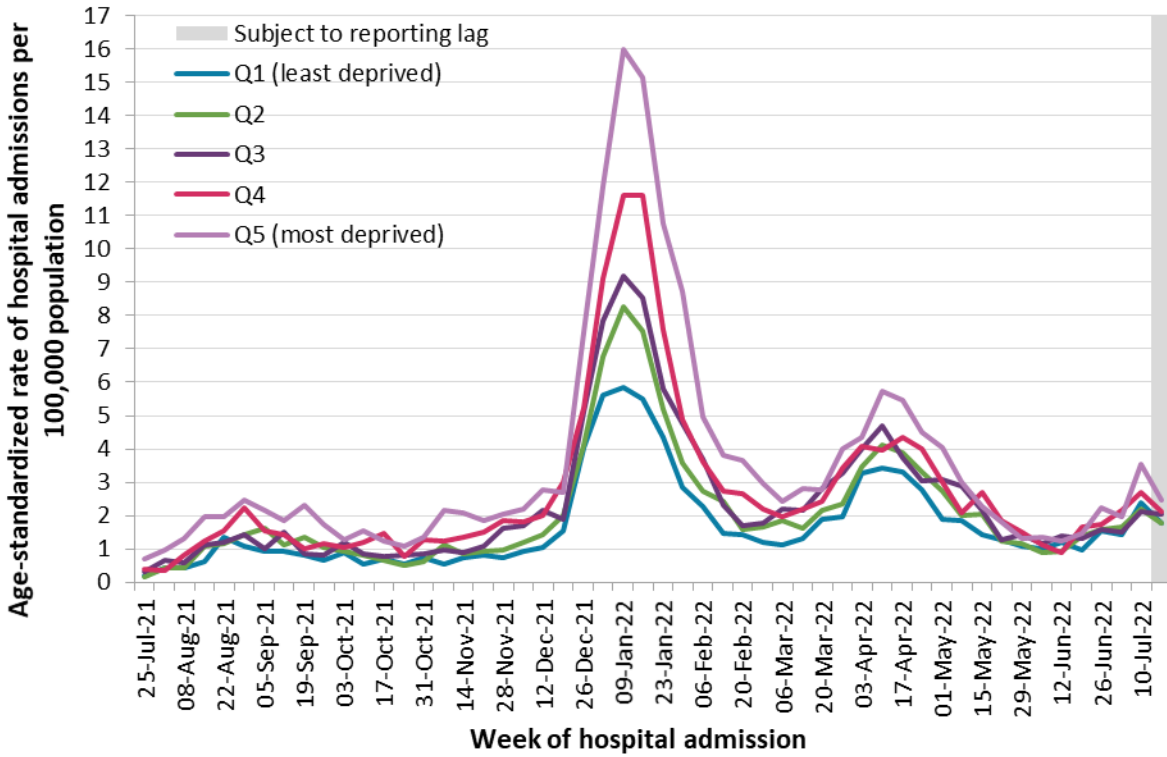


Figure 4b. Confirmed COVID-19 deaths (per 100,000 population), by age group and week of death



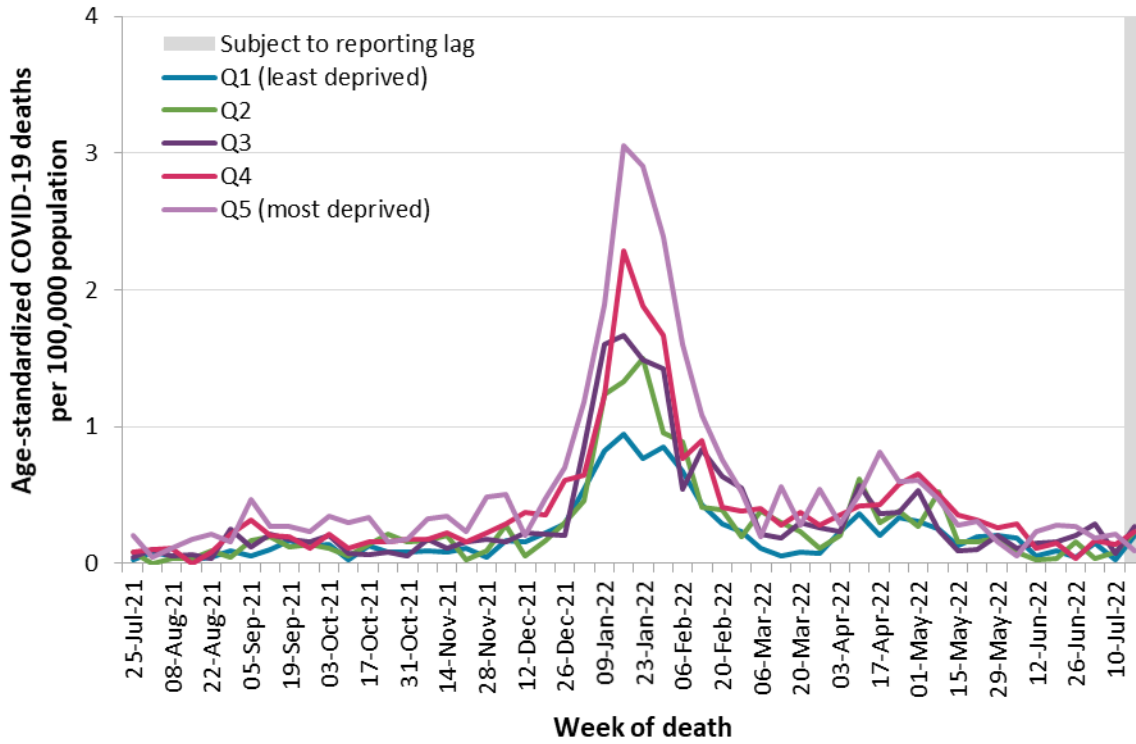
Severity by Neighbourhood Material Deprivation

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

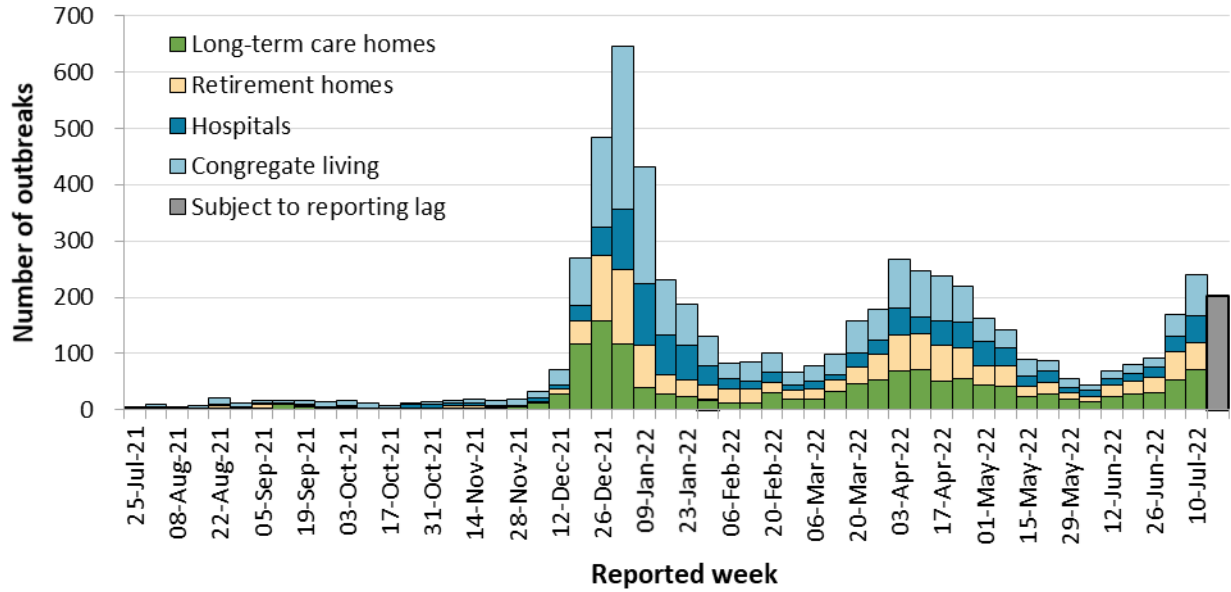
Figure 5b. Confirmed COVID-19 deaths (per 100,000 population), by quintile of neighbourhood material deprivation and week of death



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 10 to 16, 2022	Reported July 17 to 23, 2022	Ongoing outbreaks	Reported Past 52 Weeks (July 25, 2021 to July 23, 2022)
Congregate Care	167	150	412	3,911
Long-term care homes	71	57	193	1,497
Retirement homes	47	42	129	1,296
Hospitals	49	51	90	1,118
Congregate Living	74	53	97	2,082
Correctional facility	1	2	2	105
Shelter	12	12	23	383
Group home/supportive housing	61	39	72	1,594
Total number of outbreaks*	241	203	509	5,993

*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 10 to 16, 2022	Reported July 17 to 23, 2022	Reported Past 52 Weeks (July 25, 2021 to July 23, 2022)
Congregate Care	2,267	2,655	64,873
Long-term care homes	1,432	1,720	38,513
Retirement homes	501	533	16,510
Hospitals	334	402	9,850
Congregate Living	192	136	12,942
Correctional facility	32	2	4,016
Shelter	21	31	2,506
Group home/supportive housing	139	103	6,420
Total number of cases*	2,459	2,791	77,815

*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 26, 2022 at 1 p.m.** for cases reported from January 1, 2022 onwards
 - **July 25, 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

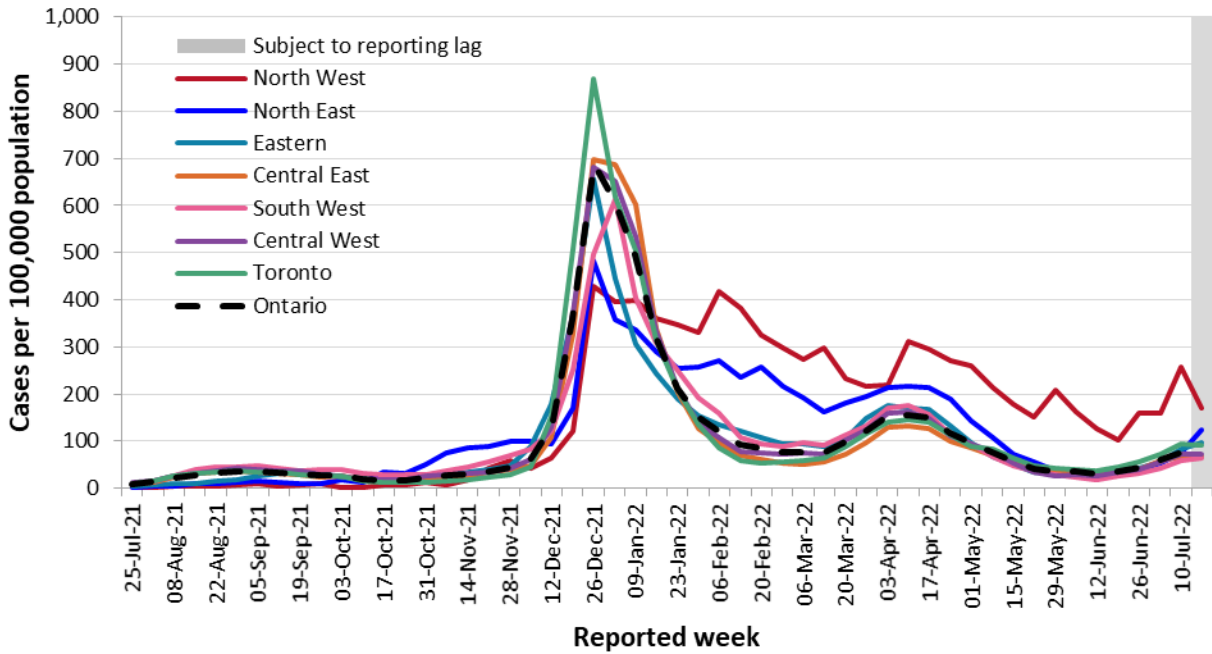


Table 3. Confirmed cases of COVID-19, by public health unit and region

Public Health Unit Name	Cases July 10 to 16, 2022	Cases per 100,000 population July 10 to 16, 2022	Cases July 17 to 23, 2022	Cases per 100,000 population July 17 to 23, 2022	Cases per 100,000 population Past 52 weeks (July 25, 2021 to July 23, 2022)
Northwestern Health Unit	486	598.6	233	287	12,173.4
Thunder Bay District Health Unit	126	79.9	174	110.3	6,444.3
TOTAL NORTH WEST	612	256.2	407	170.4	8,391.3
Algoma Public Health	64	54.3	110	93.3	7,177.5
North Bay Parry Sound District Health Unit	97	75.0	131	101.3	4,482.3
Porcupine Health Unit	76	89.4	91	107.1	6,558.8
Public Health Sudbury & Districts	172	83.8	343	167.1	6,903.1
Timiskaming Health Unit	25	73.8	36	106.2	5,471.4
TOTAL NORTH EAST	434	76.0	711	124.5	6,275.6
Ottawa Public Health	810	77.7	910	87.2	4,773.9
Eastern Ontario Health Unit	207	95.9	242	112.1	5,631.5
Hastings Prince Edward Public Health	129	74.6	141	81.6	5,601.5
Kingston, Frontenac and Lennox & Addington Public Health	231	110.4	311	148.6	8,062.4
Leeds, Grenville & Lanark District Health Unit	158	87.8	160	88.9	4,643.1

Public Health Unit Name	Cases July 10 to 16, 2022	Cases per 100,000 population July 10 to 16, 2022	Cases July 17 to 23, 2022	Cases per 100,000 population July 17 to 23, 2022	Cases per 100,000 population Past 52 weeks (July 25, 2021 to July 23, 2022)
Renfrew County and District Health Unit	73	67.3	122	112.5	4,034.1
TOTAL EASTERN	1,608	83.3	1,886	97.7	5,246.8
Durham Region Health Department	427	60.0	459	64.5	5,529.7
Haliburton, Kawartha, Pine Ridge District Health Unit	73	38.3	84	44	3,969.5
Peel Public Health	987	63.1	1,020	65.2	5,140.4
Peterborough Public Health	108	72.9	88	59.4	4,270.9
Simcoe Muskoka District Health Unit	361	59.7	431	71.3	5,893.0
York Region Public Health	941	78.4	913	76.1	5,313.6
TOTAL CENTRAL EAST	2,897	65.6	2,995	67.8	5,273.4
Toronto Public Health	2,779	93.0	2,703	90.4	5,667.5
TOTAL TORONTO	2,779	93.0	2,703	90.4	5,667.5
Chatham-Kent Public Health	42	39.4	91	85.3	6,679.8
Grey Bruce Health Unit	58	32.9	83	47.1	4,011.9
Huron Perth Public Health	84	57.4	98	67	3,908.6
Lambton Public Health	67	50.4	82	61.7	6,420.9
Middlesex-London Health Unit	311	60.9	350	68.5	5,289.4

Public Health Unit Name	Cases July 10 to 16, 2022	Cases per 100,000 population July 10 to 16, 2022	Cases July 17 to 23, 2022	Cases per 100,000 population July 17 to 23, 2022	Cases per 100,000 population Past 52 weeks (July 25, 2021 to July 23, 2022)
Southwestern Public Health	127	58.0	111	50.7	4,792.4
Windsor-Essex County Health Unit	309	71.7	303	70.3	6,590.9
TOTAL SOUTH WEST	998	57.9	1,118	64.9	5,477.4
Brant County Health Unit	100	65.1	120	78.1	5,480.0
City of Hamilton Public Health Services	619	106.4	581	99.9	6,821.8
Haldimand-Norfolk Health Unit	90	75.0	64	53.3	5,313.0
Halton Region Public Health	373	61.1	345	56.5	5,483.8
Niagara Region Public Health	376	78.1	377	78.3	5,496.9
Region of Waterloo Public Health and Emergency Services	361	59.6	395	65.3	4,932.7
Wellington-Dufferin-Guelph Public Health	183	58.7	185	59.3	4,735.3
TOTAL CENTRAL WEST	2,102	73.4	2,067	72.2	5,552.4
TOTAL ONTARIO	11,430	77.6	11,887	80.7	5,517.4

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 10 to 16, 2022	Hospital admissions per 100,000 population July 10 to 16, 2022	Hospital admissions July 17 to 23, 2022	Hospital admissions per 100,000 population July 17 to 23, 2022	Hospital admissions Past 52 weeks (July 25, 2021 to July 23, 2022)	Hospital admissions per 100,000 population Past 52 weeks (July 25, 2021 to July 23, 2022)
Total Cases	507	3.4	402	2.7	23,061	156.5
Sex: Female	234	3.1	177	2.4	10,478	140.6
Sex: Male	272	3.7	224	3.1	12,545	172.3
Sex: Did not specify female or male	1	N/A	1	N/A	38	N/A
Ages: <1	12	8.4	10	7.0	525	368.7
Ages: 1 – 4	8	1.4	10	1.7	392	67.5
Ages: 5 – 11	3	0.3	4	0.4	203	18.8
Ages: 12 – 19	0	0.0	5	0.4	263	19.8
Ages: 20 – 39	22	0.5	19	0.5	1,756	42.3
Ages: 40 – 59	46	1.2	40	1.0	3,574	91.7
Ages: 60 – 79	186	6.4	128	4.4	8,828	304.4
Ages: 80 and over	230	35.1	186	28.4	7,520	1146.6
Ages: Unknown	0	N/A	0	N/A	0	N/A

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

Sex and age group	Deaths July 10 to 16, 2022	Deaths per 100,000 population July 10 to 16, 2022	Deaths July 17 to 23, 2022	Deaths per 100,000 population July 17 to 23, 2022	Deaths Past 52 weeks (July 25, 2021 to July 23, 2022)	Deaths per 100,000 population Past 52 weeks (July 25, 2021 to July 23, 2022)
Total Cases	46	0.3	61	0.4	4,321	29.3
Sex: Female	22	0.3	28	0.4	1,850	24.8
Sex: Male	24	0.3	33	0.5	2,459	33.8
Sex: Did not specify female or male	0	N/A	0	N/A	12	N/A
Ages: 0 – 19	1	<0.1	0	0.0	13	0.4
Ages: 20 – 39	0	0.0	1	<0.1	68	1.6
Ages: 40 – 59	2	0.1	2	0.1	358	9.2
Ages: 60 – 79	6	0.2	18	0.6	1,519	52.4
Ages: 80 and over	37	5.6	40	6.1	2,363	360.3
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)	10,020	480	4.8%
Wave 6 (March 1, 2022 to June 18, 2022)	7,576	197	2.6%
Wave 7 (June 19, 2022 to July 23, 2022)*	3,349	59	1.8%
Total	36,669	4,692	12.8%

*Wave 7 is ongoing and only includes cases up to July 23, 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 17, 2022 to July 23, 2022. Toronto, ON: Queen’s Printer for Ontario; 2022.

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