

WEEKLY EPIDEMIOLOGICAL SUMMARY

COVID-19 in Ontario: Focus on August 14, 2022 to August 20, 2022 (Week 33)

Published: August 25, 2022

Figures and tables in this report present the most recent 52 weeks of data for Ontario, ranging from **August 22, 2021 to August 20, 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 are similar to last week among those eligible for testing:** The number of reported cases in Ontario was 9,563 this week, compared to 9,856 last week.
 - Case rates decreased this week in 19 of Ontario's 34 public health units. Case rates decreased in 4 of Ontario's 7 regions, with decreases ranging from 3% in Toronto to 12% in Eastern compared to last week. The North East region reported the largest increased case rate, up 9% compared to last week. The North West region continues to report the highest case rates compared to other regions.
 - Case rates decreased this week in 3 of 7 age groups. Case rates increased among 0 to 4 year olds (2% increase), 5 to 11 year olds (17% increase) and 12 to 19 year olds (6% increase), however rates in younger age groups (19 years and younger) remain low compared to older age groups (20 years and older). Although the 80 year and older age group had an 8% decrease compared with last week, this age group continues to report the highest case rates.
- **Percent positivity is similar to last week:** Percent positivity was 13.4% this week, compared to 13.2% last week. Testing volume was 64,692 tests this week, 9% lower than the 71,326 tests last week.

Severity

- **Hospital admissions similar to last week and deaths decreased 19% compared to last week:** There were 356 reported hospital admissions this week, compared to 366 last week. Reported deaths decreased to 47 this week from 58 last week. Hospital admission and death counts, particularly for more recent 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 10% compared to last week:** The total number of outbreaks in high-risk settings was 157 this week, down from 175 last week. A notable increase was reported in hospitals (21% increase) and a notable decrease was reported in group homes (29% decrease).
- **Outbreak-associated cases in high-risk settings decreased 11% compared to last week:** There were 2,261 outbreak-associated cases reported this week compared to 2,540 last week. Cases declined 13% overall in congregate care settings (long-term care homes, retirement homes, and hospitals) and increased 30% overall in congregate living settings (correctional facilities, shelters, and group homes/supporting housing). Driving the increase in congregate living settings was a notable increase in correctional facilities, which reported 42 outbreak-associated cases this week, compared to 15 last week.

Cases

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

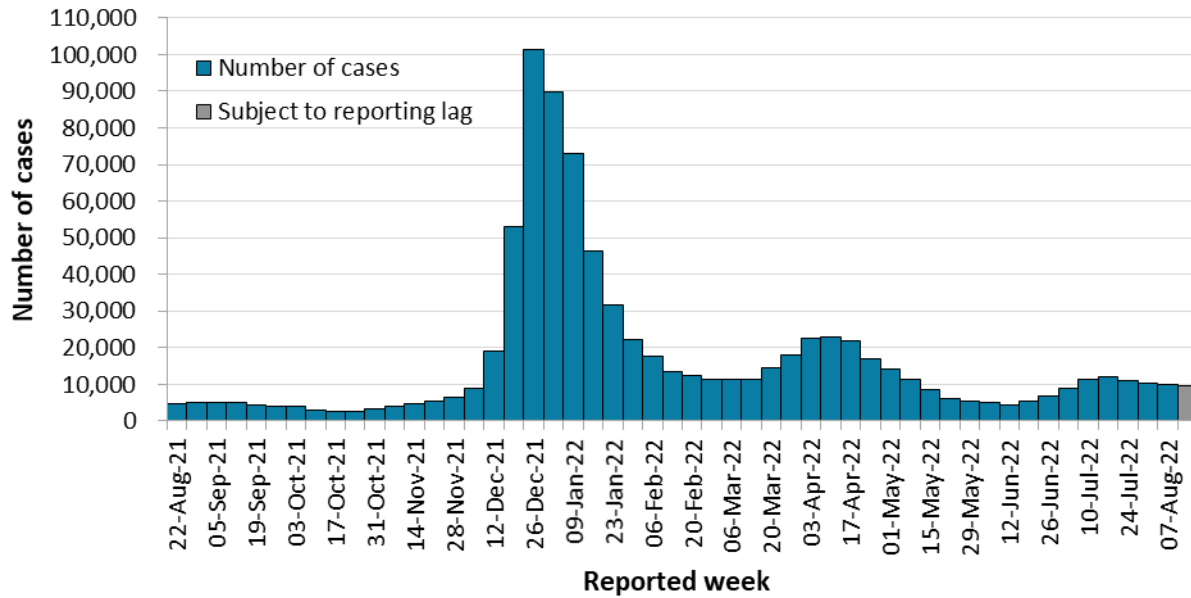
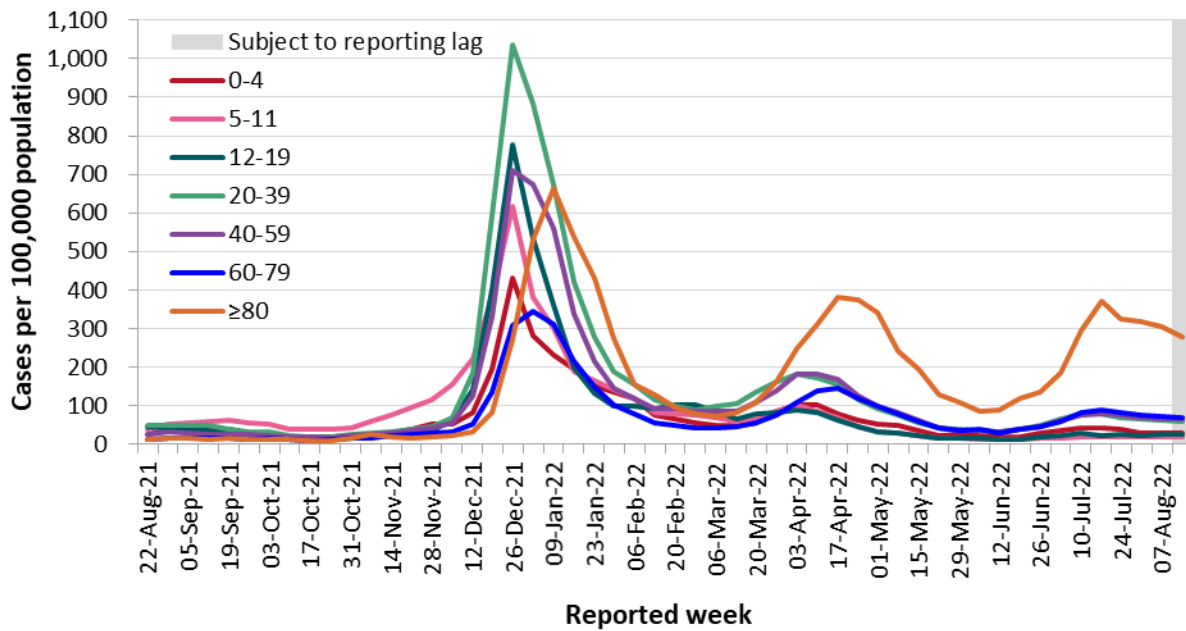


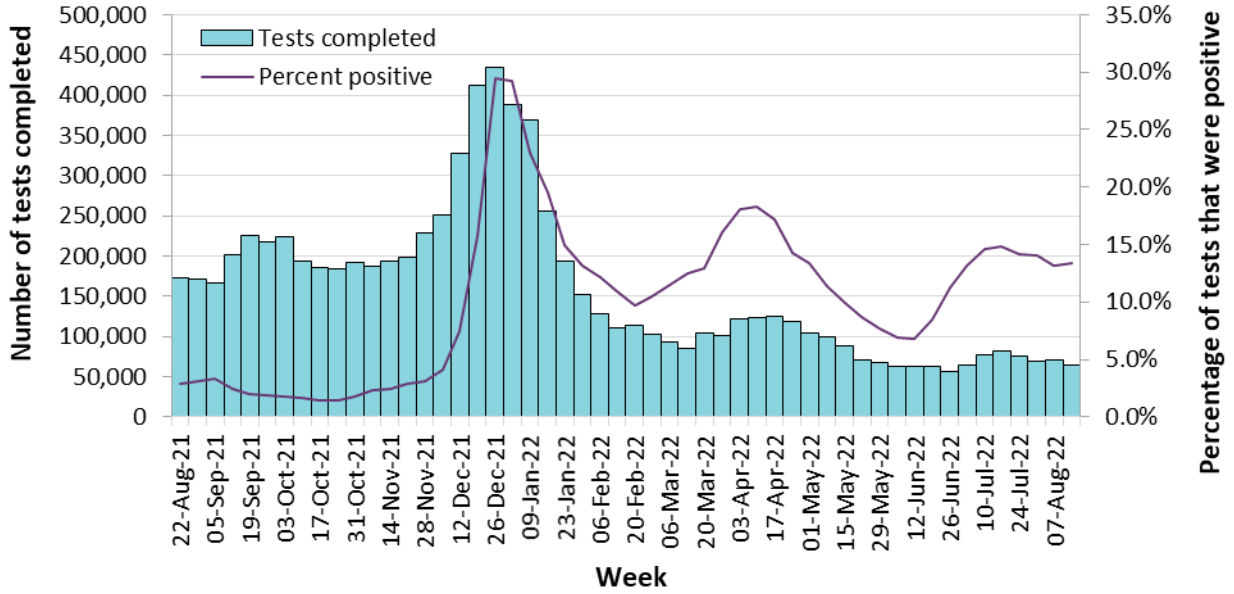
Figure 1b. Confirmed cases of COVID-19 (per 100,000 population), by age group and reported week



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

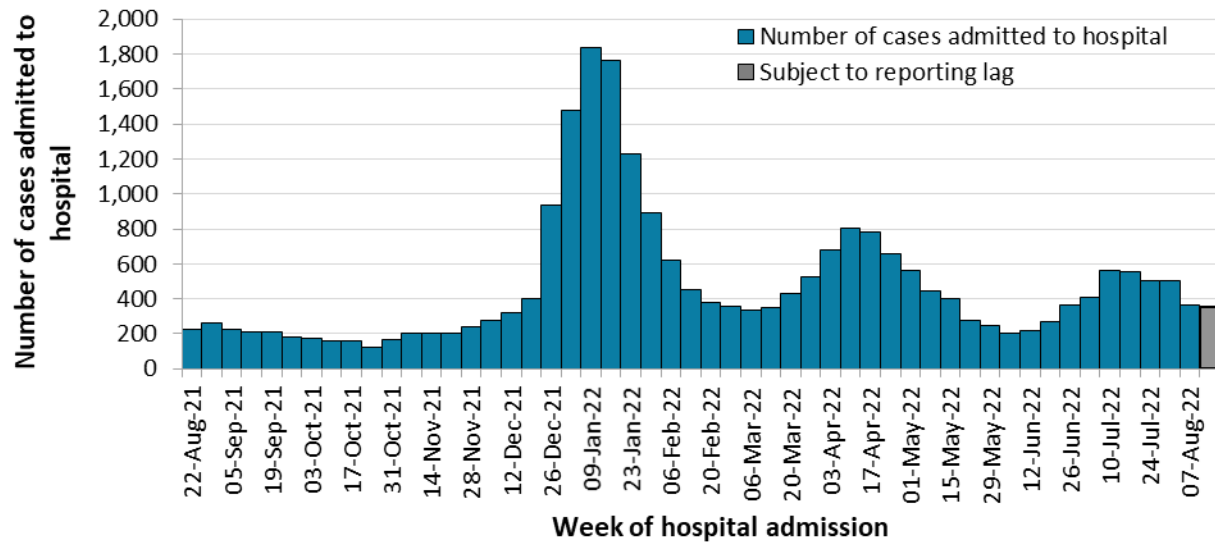
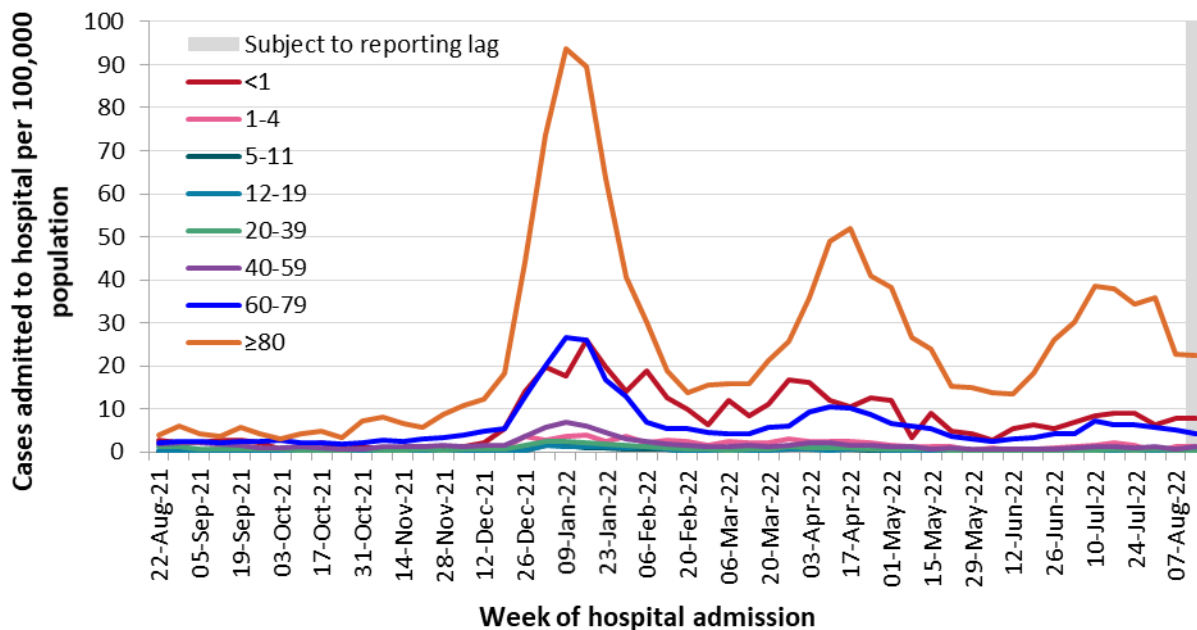


Figure 3b. Confirmed COVID-19 cases that were admitted to hospital (per 100,000 population), by age group and hospital admission date



Note: Not all cases have an age reported.

Deaths

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

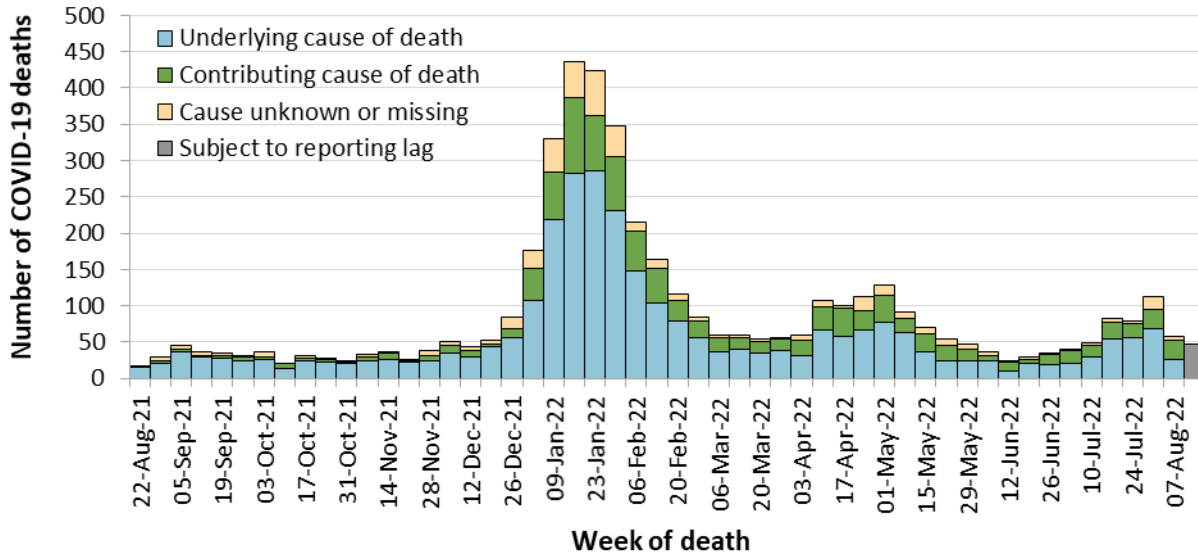
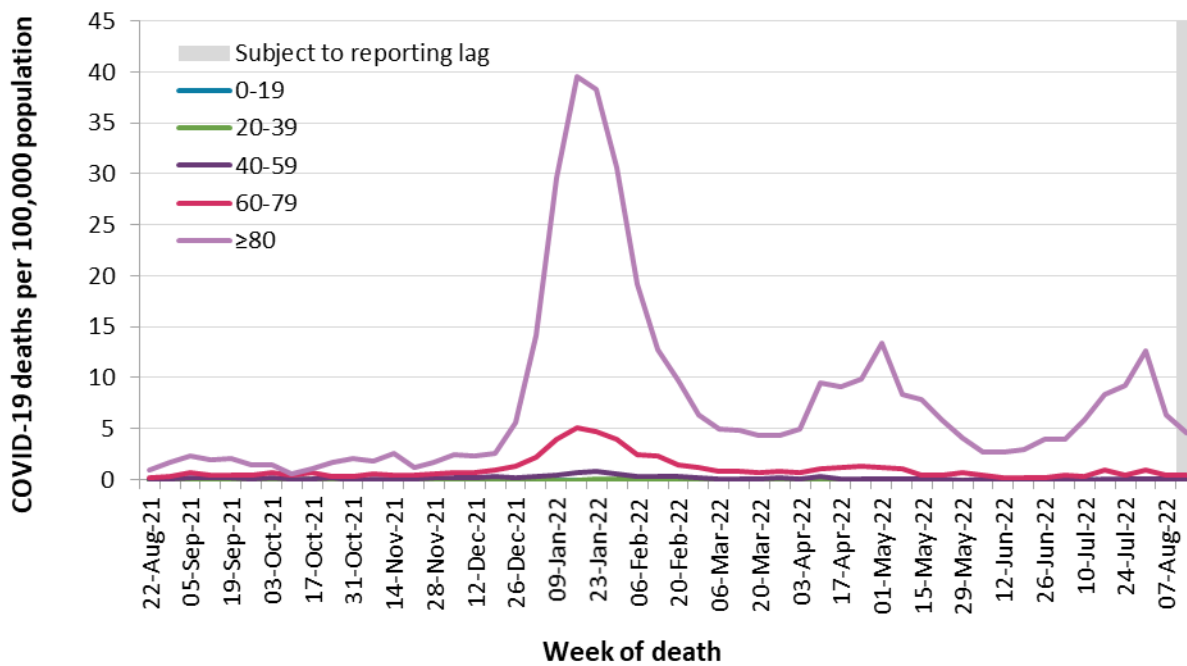
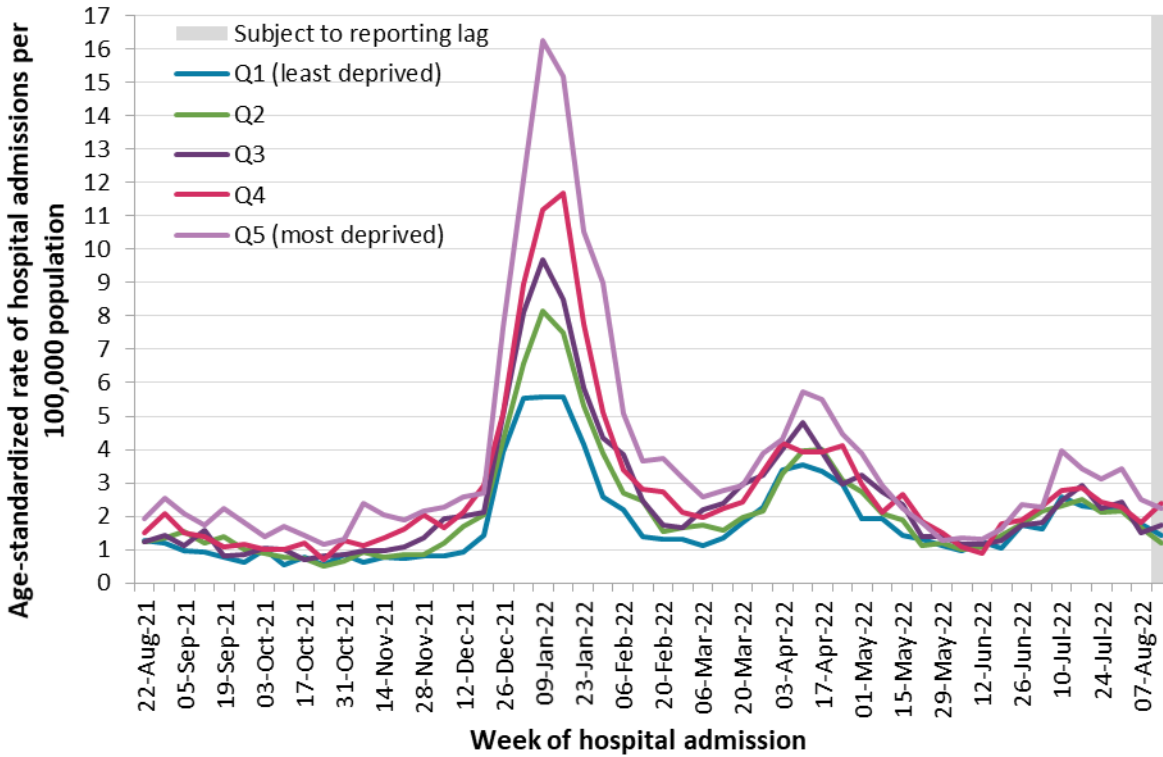


Figure 4b. Confirmed COVID-19 deaths (per 100,000 population), by age group and week of death



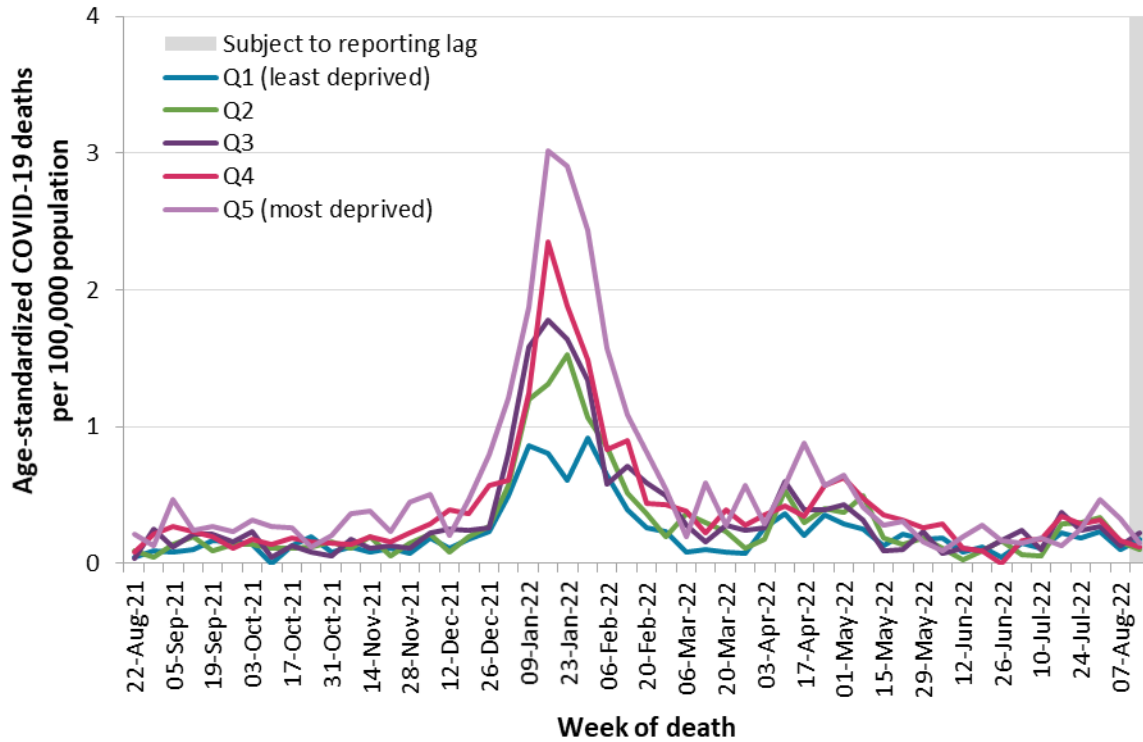
Severity by Neighbourhood Material Deprivation

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

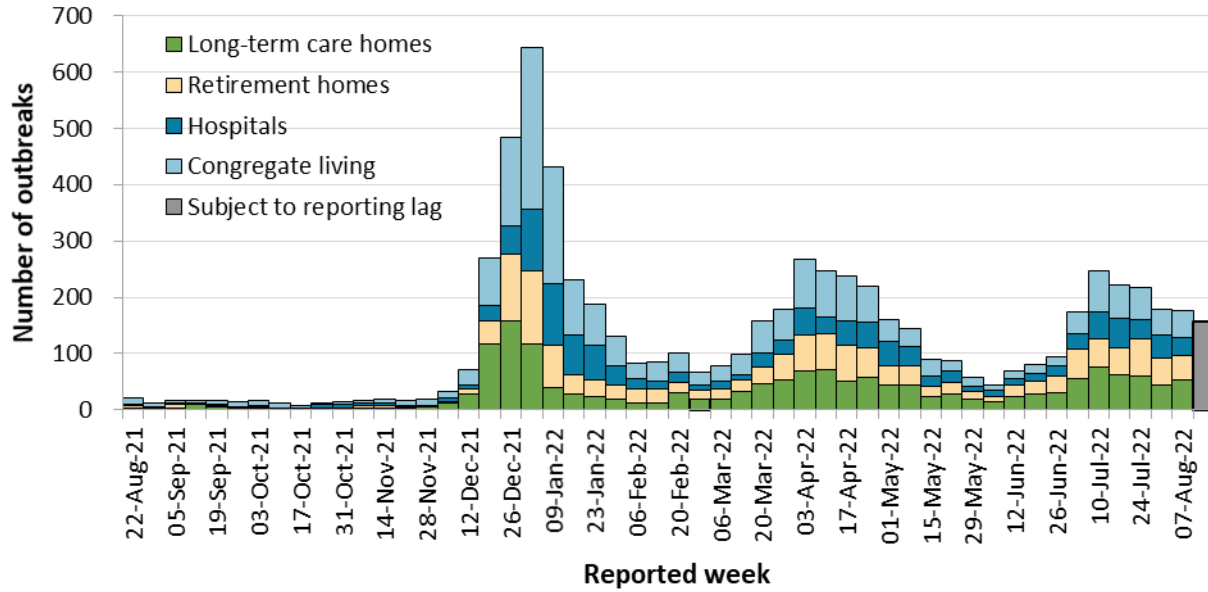
Figure 5b. Confirmed COVID-19 deaths (per 100,000 population), by quintile of neighbourhood material deprivation and week of death



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 August 7 to 13, 2022	Reported August 14 to 20, 2022	Ongoing outbreaks	Reported Past 52 Weeks (August 22, 2021 to August 20, 2022)
Congregate Care	129	122	348	4,470
Long-term care homes	52	45	174	1,710
Retirement homes	44	37	105	1,497
Hospitals	33	40	69	1,263
Congregate Living	46	35	71	2,257
Correctional facility	2	5	8	115
Shelter	10	6	16	418
Group home/supportive housing	34	24	47	1,724
Total number of outbreaks*	175	157	419	6,727

*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 August 7 to 13, 2022	Reported August 14 to 20, 2022	Reported Past 52 Weeks (August 22, 2021 to August 20, 2022)
Congregate Care	2,441	2,132	75,024
Long-term care homes	1,572	1,410	44,952
Retirement homes	556	418	18,868
Hospitals	313	304	11,204
Congregate Living	99	129	13,519
Correctional facility	15	42	4,110
Shelter	11	18	2,593
Group home/supportive housing	73	69	6,816
Total number of cases*	2,540	2,261	88,543

*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:
 - **August 23, 2022 at 1 p.m.** for cases reported from January 1, 2022 onwards
 - **August 22, 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

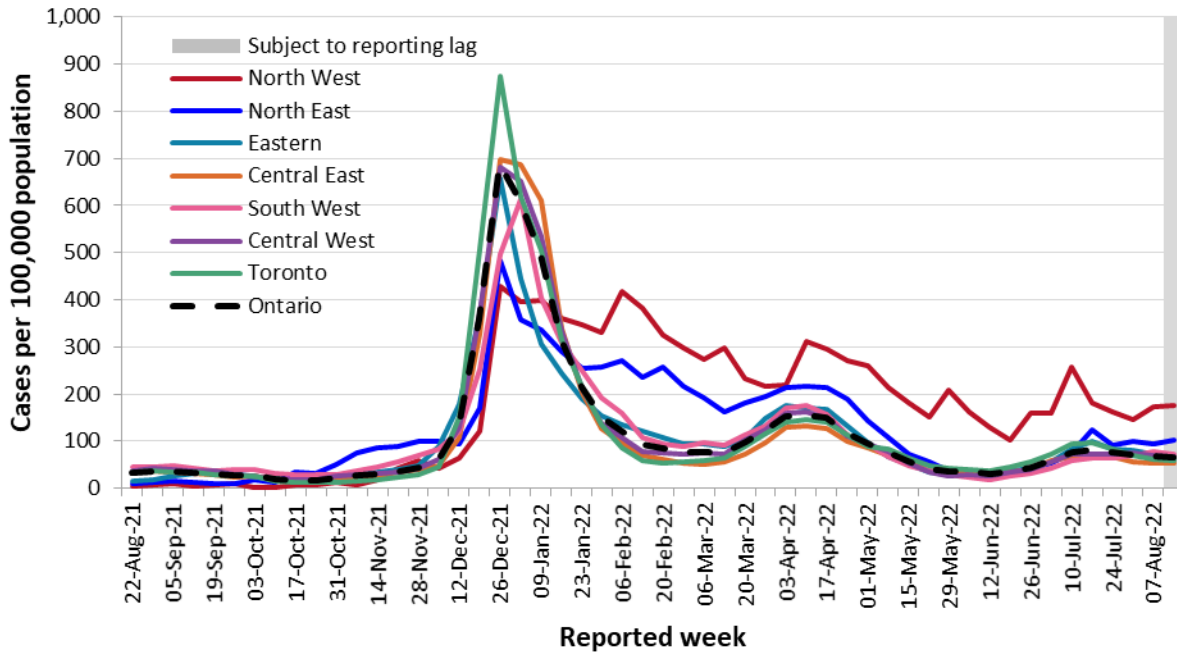


Table 3. Confirmed cases of COVID-19, by public health unit and region

Public Health Unit Name	Cases August 7 to 13, 2022	Cases per 100,000 population August 7 to 13, 2022	Cases August 14 to 20, 2022	Cases per 100,000 population August 14 to 20, 2022	Cases per 100,000 population Past 52 weeks (August 22, 2021 to August 20, 2022)
Northwestern Health Unit	117	144.1	192	236.5	12,878.0
Thunder Bay District Health Unit	299	189.6	227	143.9	7,077.1
TOTAL NORTH WEST	416	174.1	419	175.4	9,048.5
Algoma Public Health	75	63.6	101	85.7	7,478.8
North Bay Parry Sound District Health Unit	169	130.7	188	145.4	4,951.0
Porcupine Health Unit	60	70.6	72	84.7	6,817.6
Public Health Sudbury & Districts	205	99.9	185	90.1	7,278.2
Timiskaming Health Unit	33	97.4	45	132.8	5,931.8
TOTAL NORTH EAST	542	94.9	591	103.5	6,644.4
Ottawa Public Health	623	59.7	468	44.9	4,990.6
Eastern Ontario Health Unit	107	49.6	102	47.3	5,880.2
Hastings Prince Edward Public Health	156	90.3	175	101.3	5,889.6
Kingston, Frontenac and Lennox & Addington Public Health	257	122.8	224	107.1	8,502.1
Leeds, Grenville & Lanark District Health Unit	141	78.4	129	71.7	4,956.5

Public Health Unit Name	Cases August 7 to 13, 2022	Cases per 100,000 population August 7 to 13, 2022	Cases August 14 to 20, 2022	Cases per 100,000 population August 14 to 20, 2022	Cases per 100,000 population Past 52 weeks (August 22, 2021 to August 20, 2022)
Renfrew County and District Health Unit	86	79.3	114	105.1	4,401.1
TOTAL EASTERN	1,370	71.0	1,212	62.8	5,515.1
Durham Region Health Department	358	50.3	363	51.0	5,676.5
Haliburton, Kawartha, Pine Ridge District Health Unit	135	70.8	150	78.6	4,233.3
Peel Public Health	697	44.6	726	46.4	5,283.4
Peterborough Public Health	94	63.5	94	63.5	4,520.0
Simcoe Muskoka District Health Unit	401	66.3	381	63.0	6,089.7
York Region Public Health	694	57.8	699	58.2	5,468.6
TOTAL CENTRAL EAST	2,379	53.8	2,413	54.6	5,436.4
Toronto Public Health	1,822	61.0	1,768	59.2	5,876.3
TOTAL TORONTO	1,822	61.0	1,768	59.2	5,876.3
Chatham-Kent Public Health	114	106.9	104	97.5	6,958.4
Grey Bruce Health Unit	117	66.4	75	42.6	4,149.9
Huron Perth Public Health	88	60.2	81	55.4	4,074.0
Lambton Public Health	108	81.2	94	70.7	6,688.6
Middlesex-London Health Unit	383	75.0	445	87.2	5,507.5

Public Health Unit Name	Cases August 7 to 13, 2022	Cases per 100,000 population August 7 to 13, 2022	Cases August 14 to 20, 2022	Cases per 100,000 population August 14 to 20, 2022	Cases per 100,000 population Past 52 weeks (August 22, 2021 to August 20, 2022)
Southwestern Public Health	154	70.3	144	65.8	4,984.7
Windsor-Essex County Health Unit	368	85.4	292	67.8	6,723.6
TOTAL SOUTH WEST	1,332	77.3	1,235	71.7	5,665.8
Brant County Health Unit	112	72.9	83	54.1	5,646.7
City of Hamilton Public Health Services	523	89.9	533	91.6	7,046.0
Haldimand-Norfolk Health Unit	65	54.2	51	42.5	5,523.0
Halton Region Public Health	321	52.6	284	46.5	5,628.3
Niagara Region Public Health	367	76.2	395	82.0	5,796.2
Region of Waterloo Public Health and Emergency Services	426	70.4	401	66.3	5,115.9
Wellington-Dufferin-Guelph Public Health	181	58.0	178	57.1	4,927.3
TOTAL CENTRAL WEST	1,995	69.6	1,925	67.2	5,756.4
TOTAL ONTARIO	9,856	66.9	9,563	64.9	5,730.4

Note: Access to testing can vary across the province and as a result may impact the reported confirmed case rates by public health unit.

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 August 7 to 13, 2022	Hospital admissions per 100,000 population August 7 to 13, 2022	Hospital admissions August 14 to 20, 2022	Hospital admissions per 100,000 population August 14 to 20, 2022	Hospital admissions Past 52 weeks (August 22, 2021 to August 20, 2022)	Hospital admissions per 100,000 population Past 52 weeks (August 22, 2021 to August 20, 2022)
Total Cases	366	2.5	356	2.4	24,689	167.6
Sex: Female	185	2.5	160	2.1	11,242	150.8
Sex: Male	180	2.5	194	2.7	13,405	184.1
Sex: Did not specify female or male	1	N/A	2	N/A	42	N/A
Ages: <1	11	7.7	11	7.7	571	401.0
Ages: 1 – 4	7	1.2	7	1.2	415	71.5
Ages: 5 – 11	0	0.0	3	0.3	210	19.5
Ages: 12 – 19	2	0.2	3	0.2	268	20.2
Ages: 20 – 39	17	0.4	15	0.4	1,748	42.1
Ages: 40 – 59	29	0.7	45	1.2	3,620	92.9
Ages: 60 – 79	150	5.2	124	4.3	9,484	327.1
Ages: 80 and over	150	22.9	148	22.6	8,373	1,276.7
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 August 7 to 13, 2022	Deaths per 100,000 population August 7 to 13, 2022	Deaths August 14 to 20, 2022	Deaths per 100,000 population August 14 to 20, 2022	Deaths Past 52 weeks (August 22, 2021 to August 20, 2022)	Deaths per 100,000 population Past 52 weeks (August 22, 2021 to August 20, 2022)
Total Cases	58	0.4	47	0.3	4,589	31.1
Sex: Female	26	0.3	25	0.3	1,984	26.6
Sex: Male	32	0.4	22	0.3	2,593	35.6
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	14	0.4
Ages: 20 – 39	0	0.0	0	0.0	67	1.6
Ages: 40 – 59	2	0.1	2	0.1	352	9.0
Ages: 60 – 79	14	0.5	15	0.5	1,577	54.4
Ages: 80 and over	42	6.4	30	4.6	2,579	393.2
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)	9,054	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)	10,029	480	4.8%
Wave 6 (March 1, 2022 to June 18, 2022)	7,578	199	2.6%
Wave 7 (June 19, 2022 to August 20, 2022)*	7,904	177	2.2%
Total	41,234	4,812	11.7%

*Wave 7 is ongoing and only includes cases up to August 20, 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 – August 14, 2022 to August 20, 2022. Toronto, ON: Queen’s Printer for Ontario; 2022.

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