

## ENHANCED EPIDEMIOLOGICAL SUMMARY

# COVID-19 in Children, Education and Child Care Settings: Focus on December 26, 2021 to January 8, 2022

This report includes the most current information available from CCM as of **January 10, 2022**.

Please visit the interactive [Ontario COVID-19 Data Tool](#) to explore recent COVID-19 data by public health unit, age group, sex, and trends over time.

A [Daily Epidemiological Summary](#), a [Weekly Epidemiological Summary](#), as well as additional [Enhanced Epidemiological Reports](#) are available on the Public Health Ontario website.

For information on COVID-19 vaccine uptake in the province and impact of the vaccination program on COVID-19 cases and severe outcomes please refer to the [COVID-19 Vaccine Uptake and Program Impact in Ontario](#) report and the [Confirmed Cases of COVID-19 Following Vaccination in Ontario](#) report.

## Highlights

- A total of 338,740 confirmed cases of COVID-19 were reported in Ontario from July 4, 2021 to January 8, 2022. Children (i.e., ages 0-17 years) accounted for 18.3% of these cases (62,148/338,740).
- For the period with a PHU reported date between December 26, 2021 to January 8, 2022 (weeks 52 and 1)\*:
- A total of 26,377 cases in children were reported to public health compared to 13,483 cases the previous two weeks (December 12 to 25, 2021).
  - A total of 23 school-associated outbreaks were reported to public health compared to 312 outbreaks the previous weeks (December 12 to 25, 2021). The total number of cases associated with school outbreaks was 96, including students and staff.
  - A total of 45 outbreaks in child care settings were reported to public health compared to 100 outbreaks the previous two weeks (December 12 to 25, 2021). The total number of cases associated with outbreaks in child care settings was 135, including children and staff.

\*Schools were closed for the scheduled winter holiday break beginning on December 17, 2021. Schools closures were initially extended to January 5, 2022 followed by remote learning; schools are now scheduled to return to in person learning on January 17, 2022.

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 [our blog](#). 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](#).

The term public health unit reported date in this document refers to the date local public health units were first notified of the case. Data corrections or updates can result in case records being removed and or updated from past reports. Thus comparisons of case counts by public health unit reported date may not align with daily change in cases publicly reported by the province for the same time period, which reflects the difference in cumulative counts between one day and the next.

# COVID-19 in Children

## Case Characteristics

**Table 1. Summary of confirmed cases of COVID-19 by public health unit reported date: Ontario, July 4, 2021 to January 8, 2022**

Age group	Reported weeks 50 and 51 Case Count	Reported weeks 50 and 51 Rate per 100,000	Reported weeks 52 and 1 Case Count	Reported weeks 52 and 1 Rate per 100,000	Cumulative case count up to January 8*
0 – 4	1,986	274.7	5,039	696.9	11,345
5 – 11	6,450	598.0	10,410	965.2	29,174
12 – 17	5,047	525.0	10,928	1,136.7	21,629
<b>17 and under</b>	<b>13,483</b>	<b>488.0</b>	<b>26,377</b>	<b>954.7</b>	<b>62,148</b>
18 and over	57,116	477.1	154,716	1,292.4	276,479
<b>Total</b>	<b>70,619</b>	<b>479.3</b>	<b>181,178</b>	<b>1,229.7</b>	<b>338,740</b>

**Note:** Reported weeks 50 and 51 refer to dates between December 12 and 25, 2021 and reported weeks 52 and 1 refer to dates between December 26, 2021 and January 8, 2022.

Not all cases have an age reported. Totals include cases where age was unknown.

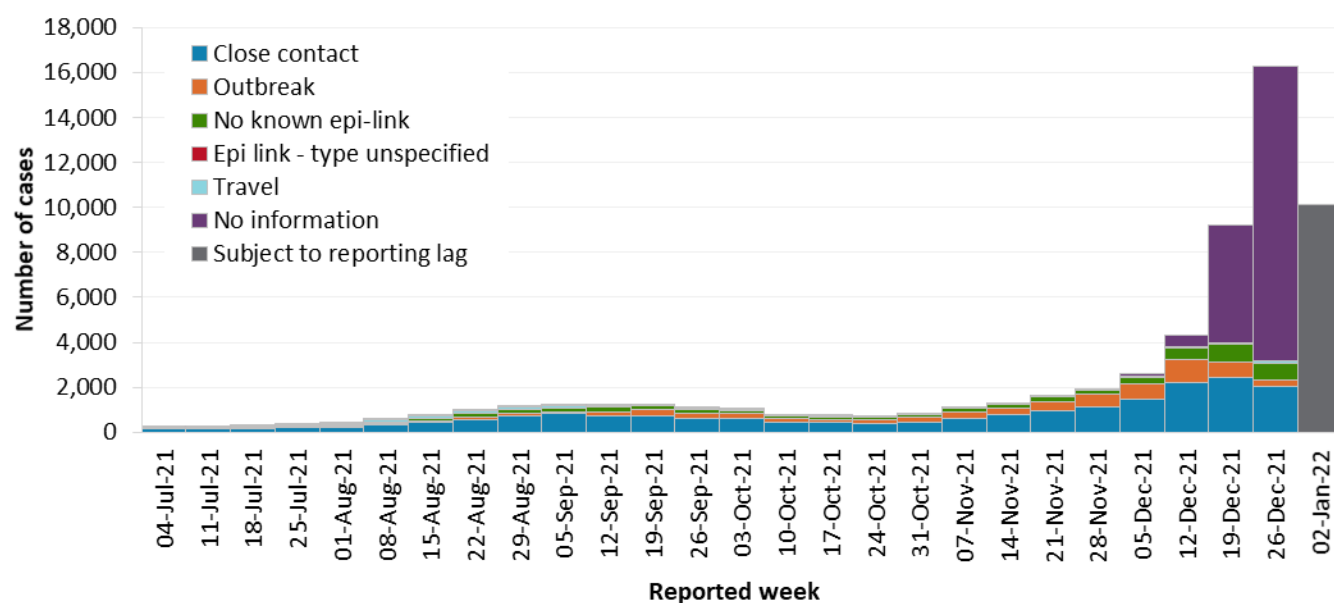
Interpret information for the most recent weeks with caution due to reporting lags.

\*Cumulative counts include COVID-19 cases reported starting week 27 of 2021 (July 4 to 10, 2021)

**Data Source:** CCM

## Cases Over Time

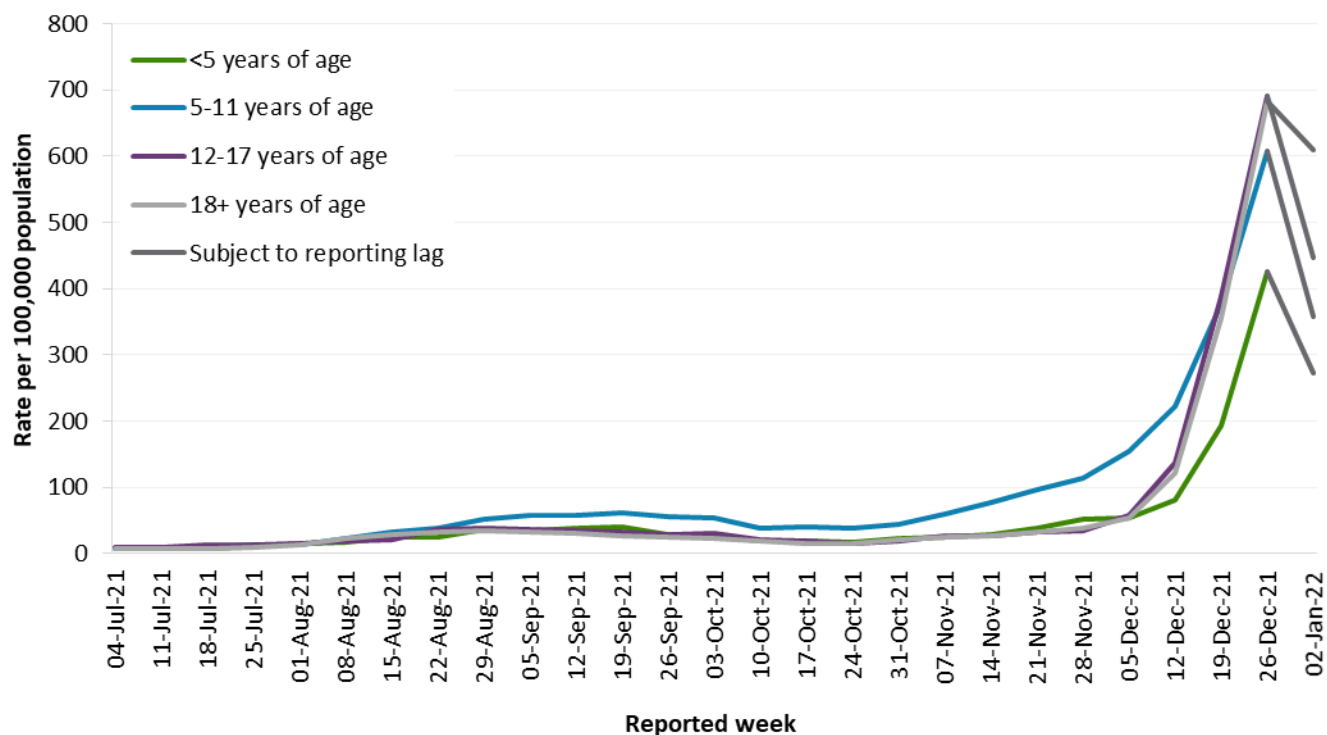
**Figure 1. Confirmed cases of COVID-19 in children by likely acquisition and public health unit reported week: Ontario, July 4, 2021 to January 8, 2022**



**Note:** Includes cases with reported dates ranging from the week of July 4 to 10, 2021 to the week of January 2 to 8, 2022. See Table A1 in Appendix A for a list of the weeks and corresponding start and end dates.

**Data Source:** CCM

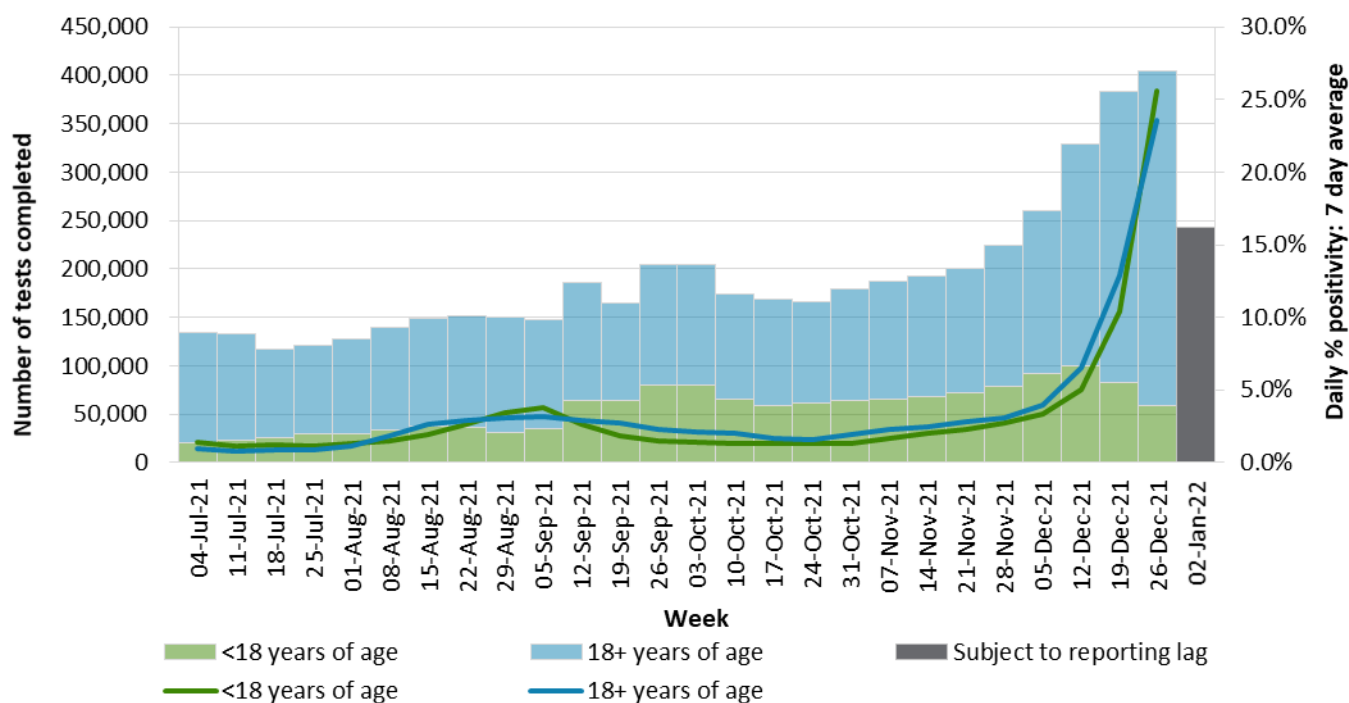
**Figure 2. Confirmed rates of COVID-19 by age group and public health unit reported week: Ontario, July 4, 2021 to January 8, 2022**



**Note:** Includes cases with reported dates ranging from the week of July 4 to 10, 2021 to the week of January 2 to 8, 2022. See [Table A1](#) in Appendix A for a list of the weeks and corresponding start and end dates.

**Data Source:** CCM

**Figure 3. Number of COVID-19 tests completed and percent positivity by age group: Ontario, July 4, 2021 to January 8, 2022**

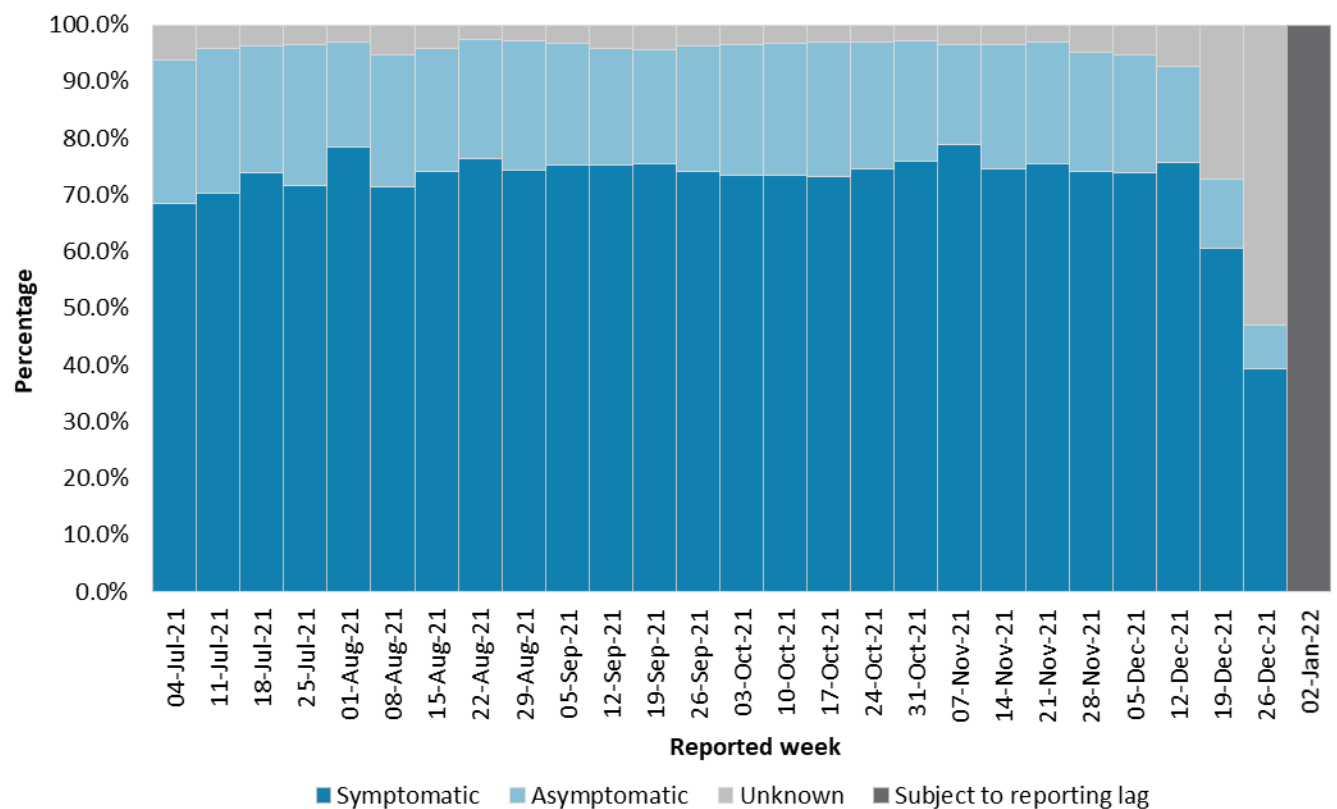


**Note:** Bars indicate number of tests completed and lines indicate daily seven-day average percent positivity. Includes cases with reported dates ranging from the week of July 4 to 10, 2021 to the week of January 2 to 8, 2022. See [Table A1](#) in Appendix A for a list of the weeks and corresponding start and end dates.

**Data Source:** OLIS

## Severity

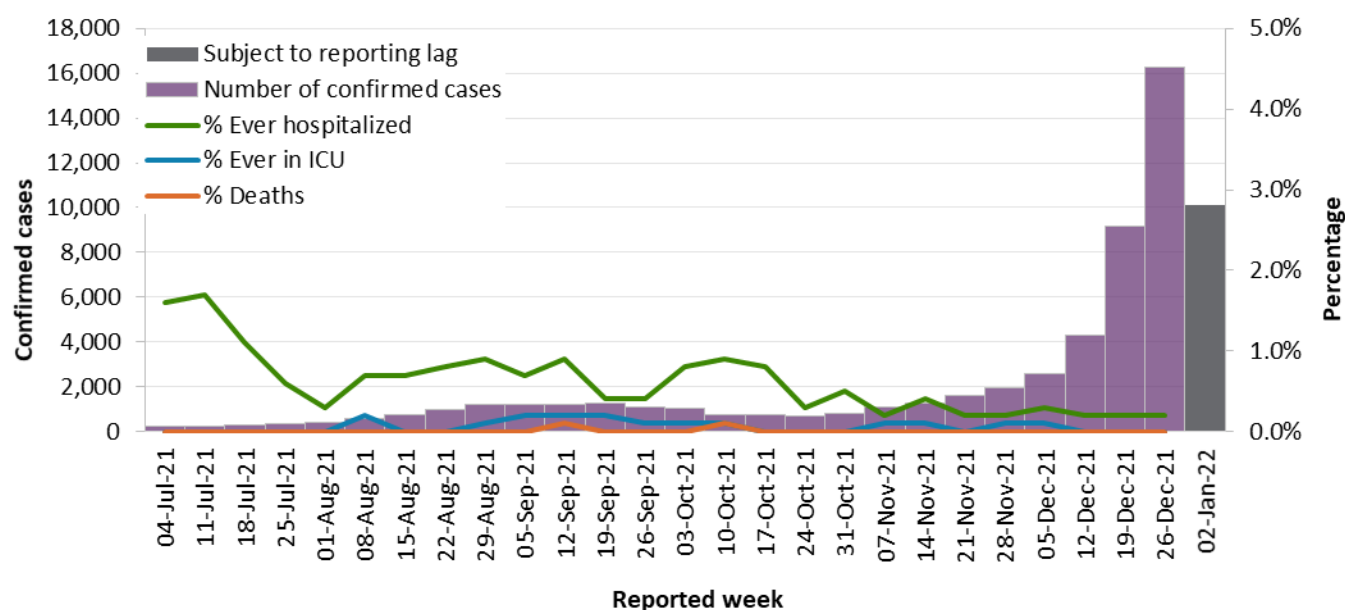
**Figure 4. Percentage of confirmed cases of COVID-19 in children by self or proxy-reported symptoms and public health unit reported week: Ontario, July 4, 2021 to January 8, 2022**



**Note:** Numbers inside bars indicate counts of asymptomatic cases, symptomatic cases and cases with unknown or missing symptom data. Includes cases with reported dates ranging from the week of July 4 to 10, 2021 to the week of January 2 to 8, 2022. See [Table A1](#) in Appendix A for a list of the weeks and corresponding start and end dates.

**Data Source:** CCM

**Figure 5. Severity of illness indicators among confirmed cases of COVID-19 in children by public health unit reported week: Ontario, July 4, 2021 to January 8, 2022**



**Note:** Data for cases, cases ever hospitalized, cases ever in ICU and cases that died are presented using the case reported date. Includes cases with reported dates ranging from the week of July 4 to 10, 2021 to the week of January 2 to 8, 2022. See [Table A1](#) in Appendix A for a list of the weeks and corresponding start and end dates.

**Data Source:** CCM



# COVID-19 in Education and Child Care Settings

## Outbreaks and Outbreak-associated Case Characteristics

**Table 2. Number of public health unit declared COVID-19 outbreaks by setting type: Ontario, July 4, 2021 to January 8, 2022**

Setting Type	Reported weeks 50 and 51 (December 12 to 25)	Reported weeks 52 and 1 (December 26 to January 8)	Number of ongoing outbreaks	Cumulative number of outbreaks reported to January 8*
<b>Education and Child Care</b>	<b>412</b>	<b>69</b>	<b>60</b>	<b>1,877</b>
Child care	100	45	45	383
Camp**	0	1	0	25
School – Elementary	240	10	12	1,223
School – Elementary/secondary	12	3	1	41
School – Secondary	60	10	2	205

**Note:** Reported week is based on the outbreak reported date, and if unavailable, the date the public health unit created the outbreak. Ongoing outbreaks includes all outbreaks that are 'Open' in CCM without a 'Declared Over Date' recorded and 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 5 months or less ago. Interpret information for the most recent weeks with caution due to reporting lags. Outbreak categories are mutually exclusive.

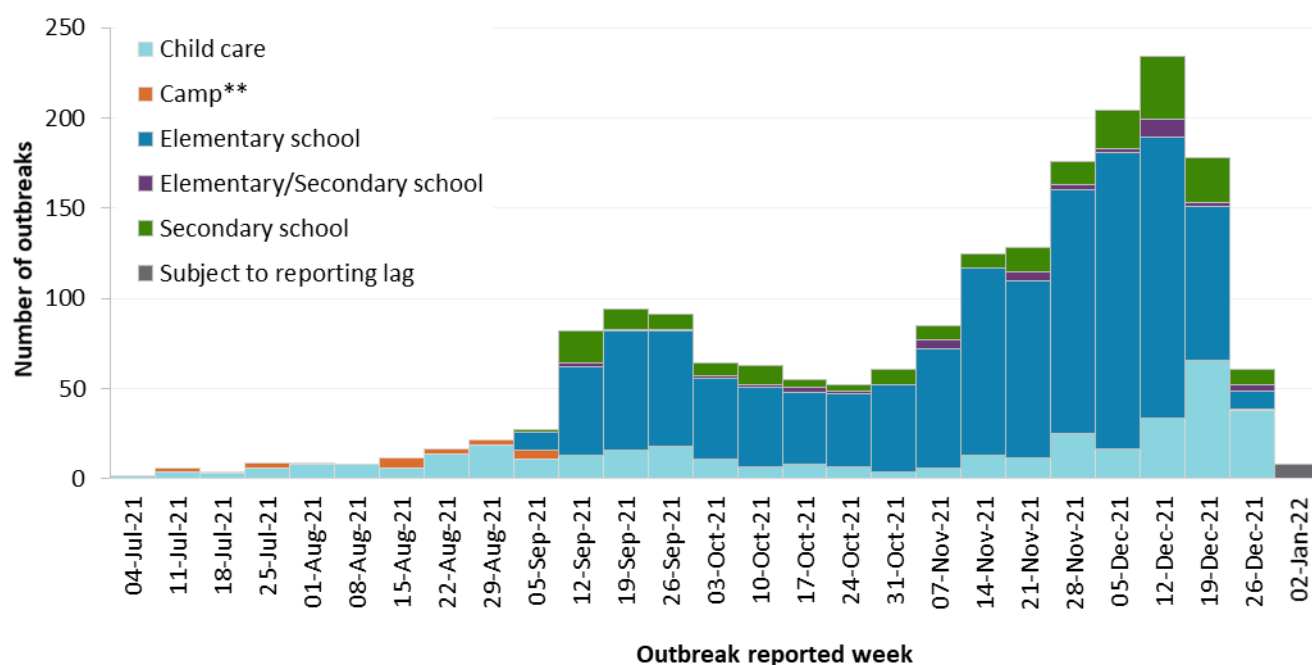
\*Cumulative counts include COVID-19 outbreaks reported starting week 27 of 2021 (July 4 to 10, 2021)

\*\*Camp settings include day camp, overnight camp, and unspecified camp settings

Ongoing re-classification of settings for reported outbreaks can result in outbreak counts that may differ from previously reported counts. Outbreaks in settings outside of Ontario are excluded from all outbreak counts.

**Data Source:** CCM

**Figure 6. Public health unit declared COVID-19 outbreaks by outbreak setting type and public health unit reported week: Ontario, July 4, 2021 to January 8, 2022\***



**Note:** If public health unit outbreak reported date is unavailable, the date the public health unit created the outbreak is used. Includes outbreaks with reported dates ranging from the week of July 4 to 10, 2021 to the week of January 2 to 8, 2022. See [Table A1](#) in Appendix A for a list of the weeks and corresponding start and end dates.

\*Schools were closed for the scheduled winter holiday break beginning on December 17, 2021. Schools closures were initially extended to January 5, 2022 followed by remote learning; schools are now scheduled to return to in person learning on January 17, 2022.

\*\*Camp settings include day camp, overnight camp, and unspecified camp settings

**Data Source:** CCM

**Table 3. Confirmed cases of COVID-19 associated with COVID-19 outbreaks by setting type and public health unit reported week: Ontario, July 4, 2021 to January 8, 2022\***

Setting Type	Reported weeks 50 and 51 (December 12 to 25)	Reported weeks 52 and 1 (December 26 to January 8)	Cumulative number of outbreaks reported to January 8**
<b>Education and Child Care</b>	<b>2,105</b>	<b>233</b>	<b>8,473</b>
Child care	228	135	1,170
Camp***	2	2	128
School – Elementary	1,357	38	6,087
School – Elementary/secondary	43	4	164
School – Secondary	475	54	924

**Note:** Interpret case counts for the most recent weeks with caution due to reporting lags. Outbreak categories are mutually exclusive.

\*Cases associated with outbreaks with an outbreak reported date occurring before July 4, 2021 have been excluded

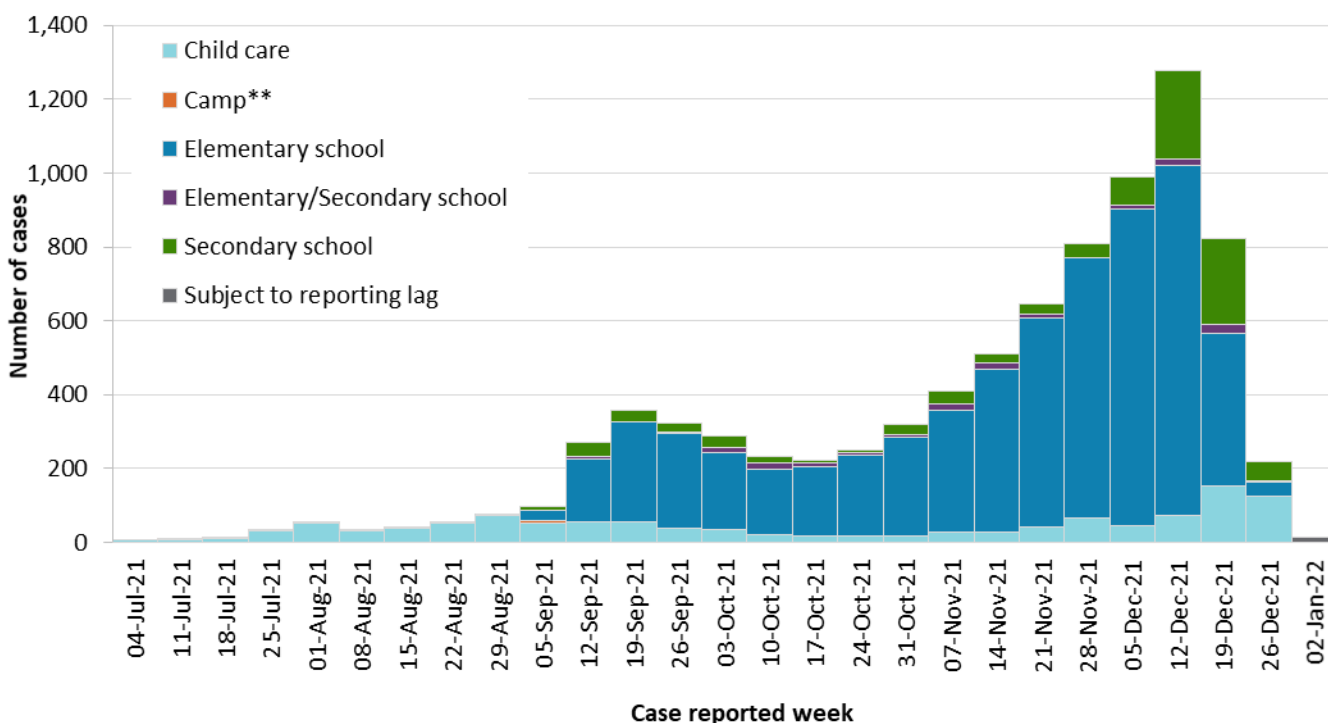
\*\*Cumulative counts include cases associated with COVID-19 outbreaks reported starting week 27 (July 4 to 10, 2021)

\*\*\*Camp settings include day camp, overnight camp, and unspecified camp settings

Ongoing re-classification of settings for reported outbreaks can result in case counts that may differ from previously reported counts. Cases associated with outbreaks outside of Ontario are excluded from case counts in this table.

**Data Source:** CCM

**Figure 7. Number of confirmed cases associated with COVID-19 outbreaks in education and child care settings by case reported week: Ontario, July 4, 2021 to January 8, 2022\***



**Note:** Includes cases associated with outbreaks that are ongoing and outbreaks that are no longer active. Case reported week is the week the case was reported to the public health unit. This is different than the “Outbreak reported week” presented in Figures 7 which reflects the week the public health unit reported or created the outbreak. Includes cases with reported dates ranging from the week of July 4 to 10, 2021 to the week of January 2 to 8, 2022. See [Table A1](#) in Appendix A for a list of the weeks and corresponding start and end dates.

\*Schools were closed for the scheduled winter holiday break beginning on December 17, 2021. Schools closures were initially extended to January 5, 2022 followed by remote learning; schools are now scheduled to return to in person learning on January 17, 2022.

\*\*Camp settings include day camp, overnight camp, and unspecified settings

**Data Source:** CCM

## Education Settings

**Table 4. Summary of confirmed COVID-19 outbreaks in schools and cases associated with school outbreaks reported July 4, 2021 to January 8, 2022: Ontario**

	School: Elementary	School: Elementary/ Secondary	School: Secondary	School: Total
<b>Cumulative number (N) of outbreaks*</b>	1,223	41	205	1,469
<b>N cases per outbreak (column %)<sup>1</sup></b>				
≤1 case <sup>2</sup>	112 (9.2%)	6 (14.6%)	22 (10.7%)	140 (9.5%)
2 cases	377 (30.8%)	11 (26.8%)	78 (38.0%)	466 (31.7%)
3-5 cases	407 (33.3%)	18 (43.9%)	57 (27.8%)	482 (32.8%)
6-9 cases	183 (15.0%)	3 (7.3%)	30 (14.6%)	216 (14.7%)
≥10 cases	144 (11.8%)	3 (7.3%)	18 (8.8%)	165 (11.2%)
<b>Median number of cases per outbreak (IQR)<sup>1,2</sup></b>	3 (2-6)	3 (2-4)	3 (2-5)	3 (2-6)
Median number student cases per outbreak (IQR) <sup>1,2</sup>	2 (1-4)	2 (0-2)	2 (1-3)	2 (1-4)
Median number staff cases per outbreak (IQR) <sup>1,2</sup>	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)

IQR; Interquartile Range

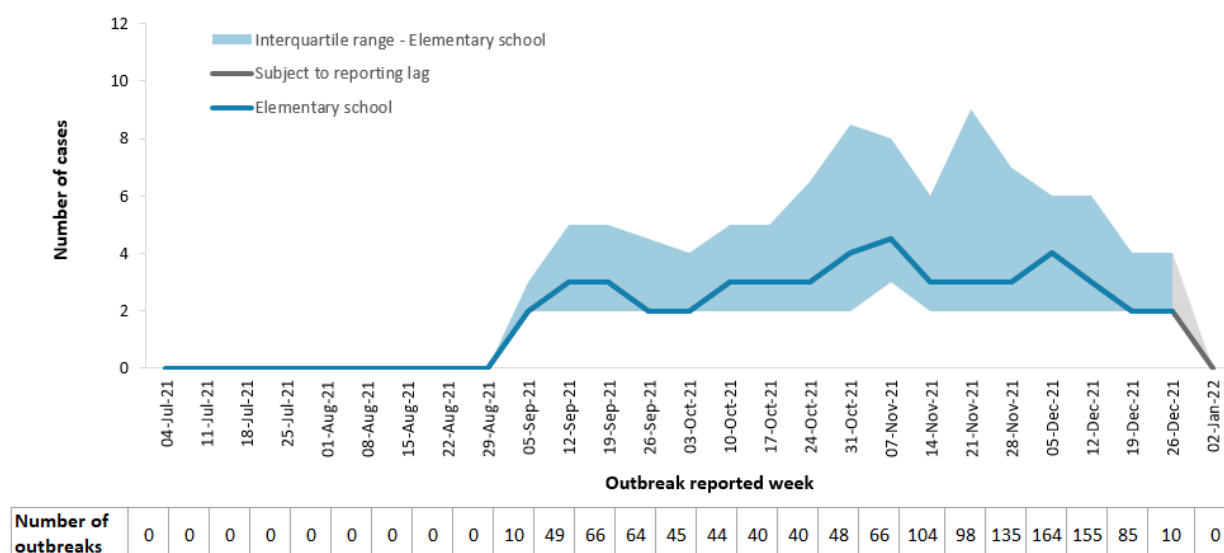
**Note:** <sup>1</sup>Due to reporting delays and potential variations in data entry processes across public health units, there may be additional school-associated COVID-19 cases that have not yet been entered in CCM, or have not been entered as linked to a school-associated outbreak. As a result, some school-associated outbreaks presented may not have two or more cases associated (with at least one reasonably acquired in school), which is the threshold for declaring an outbreak. Results should be interpreted with caution due to potential under-detection of outbreak associated cases.

<sup>2</sup>There were 57 confirmed COVID-19 outbreaks in schools that had zero cases linked to the outbreak. Median number of cases per outbreak includes cases in individuals identified as students or staff, as well as those classified as unknown (i.e., cases associated with school outbreaks where an in-person school attendance risk factor was not specified).

\*Cumulative counts include COVID-19 outbreaks reported starting the week of July 4 to 10, 2021

**Data Source:** CCM

**Figure 8. Median outbreak size and interquartile range (IQR) among confirmed cases of COVID-19 associated with COVID-19 outbreaks in elementary schools by public health unit reported week: Ontario, July 4, 2021 to January 8, 2022\***

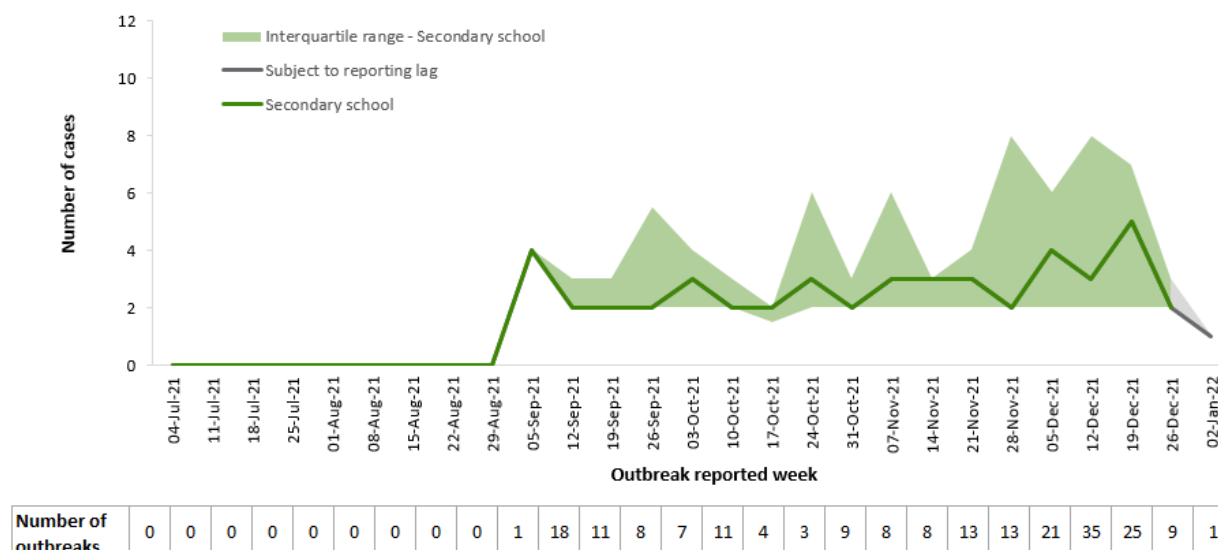


**Note:** If public health unit outbreak reported date is unavailable, the date the public health unit created the outbreak is used. Includes outbreaks with reported dates ranging from the week of July 4 to 10, 2021 to the week of January 2 to 8, 2022. See [Table A1](#) in Appendix A for a list of the weeks and corresponding start and end dates. Includes cases associated with outbreaks that are ongoing and outbreaks that are no longer active. Due to reporting delays and potential variations in data entry processes across public health units, there may be additional school-associated COVID-19 cases that have not yet been entered in CCM, or have not been entered as linked to a school-associated outbreak. Results should be interpreted with caution due to potential under-detection of outbreak associated cases.

\*Schools were closed for the scheduled winter holiday break beginning on December 17, 2021. Schools closures were initially extended to January 5, 2022 followed by remote learning; schools are now scheduled to return to in person learning on January 17, 2022.

**Data Source:** CCM

**Figure 9. Median outbreak size and interquartile range (IQR) among confirmed cases of COVID-19 associated with COVID-19 outbreaks in secondary schools by public health unit reported week: Ontario, July 4, 2021 to January 8, 2022\***



**Note:** If public health unit outbreak reported date is unavailable, the date the public health unit created the outbreak is used. Includes outbreaks with reported dates ranging from the week of July 4 to 10, 2021 to the week of January 2 to 8, 2022. See [Table A1](#) in Appendix A for a list of the weeks and corresponding start and end dates. Includes cases associated with outbreaks that are ongoing and outbreaks that are no longer active. Due to reporting delays and potential variations in data entry processes across public health units, there may be additional school-associated COVID-19 cases that have not yet been entered in CCM, or have not been entered as linked to a school-associated outbreak. Results should be interpreted with caution due to potential under-detection of outbreak associated cases.

\*Schools were closed for the scheduled winter holiday break beginning on December 17, 2021. Schools closures were initially extended to January 5, 2022 followed by remote learning; schools are now scheduled to return to in person learning on January 17, 2022.

**Data Source:** CCM

**Table 5. Summary of confirmed COVID-19 cases associated with school outbreaks reported July 4, 2021 to January 8, 2022 by select characteristics: Ontario**

	School: Elementary	School: Elementary/ Secondary	School: Secondary	School: Total
<b>Cumulative number of cases (N) associated with outbreaks*</b>	6,087	164	924	7,175
N student <sup>1</sup> (%)	4,097 (67.3%)	96 (58.5%)	512 (55.4%)	4,705 (65.6%)
N staff <sup>1</sup> (%)	349 (5.7%)	11 (6.7%)	54 (5.8%)	414 (5.8%)
N unknown <sup>2</sup> (%)	1,641 (27.0%)	57 (34.8%)	358 (38.7%)	2,056 (28.7%)
Median age student <sup>1</sup> (IQR)	9 (7-10)	11 (8-13)	15 (14-16)	9 (7-11)
Median age staff <sup>1</sup> (IQR)	42 (36-49)	40 (34-48)	43.5 (36-49)	42 (36-49)
Median age unknown <sup>2</sup> (IQR)	10 (7-11)	11 (9-16)	16 (15-17)	10 (8-14)

IQR; Interquartile Range

**Note:** 'Cases associated with outbreaks' include cases entered in CCM that are linked to an outbreak that met the definition of a school outbreak.

<sup>1</sup>In-person attendance as reported using occupational student/educational staff risk factor data where risk factor entered as either "YES" OR "YES – ELEMENTARY" OR "YES – ELEMENTARY/SECONDARY" OR "YES – SECONDARY". The range of ages of cases associated with a school outbreak may not align with expected ages at that schooling level. The range of ages of Secondary students may reflect that some schools classified as secondary may also have an intermediate school in the same location that start in Grade 7.

<sup>2</sup>"Unknown" includes cases associated with school outbreaks where an in-person school attendance risk factor was not specified.

\*Cumulative counts include cases associated with COVID-19 outbreaks reported starting the week of July 4 to 10, 2021

**Data Source:** CCM



## Child Care Settings

**Table 6. Summary of confirmed COVID-19 outbreaks in child care settings and cases associated with child care setting outbreaks reported July 4, 2021 to January 8, 2022: Ontario**

	Child care settings: Total
<b>Cumulative number (N) of outbreaks*</b>	383
<b>N cases per outbreak (column %)<sup>1</sup></b>	
≤1 case <sup>2</sup>	84 (21.9%)
2 cases	111 (29.0%)
3-5 cases	143 (37.3%)
6-9 cases	33 (8.6%)
≥10 cases	12 (3.1%)
<b>Median number of cases per outbreak (IQR)<sup>1,2</sup></b>	2 (2-4)

IQR; Interquartile Range

**Notes:** <sup>1</sup>Due to reporting delays and potential variations in data entry processes across public health units, there may be additional child care-associated COVID-19 cases that have not yet been entered in CCM, or have not been entered as linked to a child care setting-associated outbreak. As a result, some child care setting-associated outbreaks presented may not have two or more cases associated (with at least one reasonably acquired in a child care setting), which is the threshold for declaring an outbreak. Results should be interpreted with caution due to potential under-detection of outbreak associated cases.

<sup>2</sup>There were 47 confirmed COVID-19 outbreaks in child care settings that had zero cases linked to the outbreak. Median number of cases per outbreak includes cases in individuals identified as children or staff, as well as those classified as unknown (i.e., cases associated with child care setting outbreaks where an in-person child care setting attendance risk factor was not specified).

\*Cumulative counts include COVID-19 outbreaks reported starting the week of July 4 to 10, 2021

**Data Source:** CCM

# 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 10, 2022 at 1 p.m.** for cases reported from February 1, 2021 onwards and as of **January 10, 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.
- Data for the 'Total number of schools in public health unit' was obtained from the Ministry of Education's public and private schools lists loaded into the CCM Locations object and are accurate as of **August 6, 2021**.
- 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.
- 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 [MOH Case Definition – Coronavirus Disease \(COVID-19\) document](#) are included in the report counts from CCM.<sup>1</sup>
- 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.

- Daily (7-day averages) for percent positivity represent rolling averages for the seven-day period ending on the reporting date. Rolling averages are used to account for fluctuations that may occur in the data.
- Reported date is the date the case was reported to the public health unit.
- Hospitalization includes all cases for which a hospital admission date was reported or hospitalization/ICU was reported as 'Yes' at the time of data extraction. It includes cases that have been discharged from hospital as well as cases that are currently hospitalized. Emergency room visits are not included in the number of reported hospitalizations.
- 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.
- 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
- 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.
  - The date of death is determined using the outcome date field 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'.

## Appendix A

**Table A1. Reported week start and end dates**

Reported Week	Start date	End date
27	July 4, 2021	July 10, 2021
28	July 11, 2021	July 17, 2021
29	July 18, 2021	July 24, 2021
30	July 25, 2021	July 31, 2021
31	August 1, 2021	August 7, 2021
32	August 8, 2021	August 14, 2021
33	August 15, 2021	August 21, 2021
34	August 22, 2021	August 28, 2021
35	August 29, 2021	September 4, 2021
36	September 5, 2021	September 11, 2021
37	September 12, 2021	September 18, 2021
38	September 19, 2021	September 25, 2021
39	September 26, 2021	October 2, 2021
40	October 3, 2021	October 9, 2021
41	October 10, 2021	October 16, 2021
42	October 17, 2021	October 23, 2021
43	October 24, 2021	October 30, 2021
44	October 31, 2021	November 6, 2021
45	November 7, 2021	November 13, 2021
46	November 14, 2021	November 20, 2021
47	November 21, 2021	November 27, 2021
48	November 28, 2021	December 4, 2021
49	December 5, 2021	December 11, 2021

Reported Week	Start date	End date
50	December 12, 2021	December 18, 2021
51	December 19, 2021	December 25, 2021
52	December 26, 2021	January 1, 2022
1	January 2, 2022	January 8, 2022
2	January 9, 2022	January 15, 2022
3	January 16, 2022	January 22, 2022
4	January 23, 2022	January 29, 2022
5	January 30, 2022	February 5, 2022
6	February 6, 2022	February 12, 2022
7	February 13, 2022	February 19, 2022
8	February 20, 2022	February 26, 2022
9	February 27, 2022	March 5, 2022
10	March 6, 2022	March 12, 2022
11	March 13, 2022	March 19, 2022
12	March 20, 2022	March 26, 2022
13	March 27, 2022	April 2, 2022
14	April 3, 2022	April 9, 2022
15	April 10, 2022	April 16, 2022
16	April 17, 2022	April 23, 2022
17	April 24, 2022	April 30, 2022
18	May 1, 2022	May 7, 2022
19	May 8, 2022	May 14, 2022
20	May 15, 2022	May 21, 2022
21	May 22, 2022	May 28, 2022
22	May 29, 2022	June 4, 2022
23	June 5, 2022	June 11, 2022

Reported Week	Start date	End date
24	June 12, 2022	June 18, 2022
25	June 19, 2022	June 25, 2022
26	June 26, 2022	July 2, 2022

**Table A2. Geographic distribution of COVID-19 school-associated outbreaks by public health unit reported week: Ontario, July 4, 2021 to January 8, 2022**

Public Health Unit Name	Total number of school-related ongoing outbreaks	Total number of schools in public health unit	Percentage of schools with ongoing outbreak
Northwestern Health Unit	0	95	0.0%
Thunder Bay District Health Unit	0	119	0.0%
<b>TOTAL NORTH WEST</b>	<b>0</b>	<b>214</b>	<b>0.0%</b>
Algoma Public Health	0	109	0.0%
North Bay Parry Sound District Health Unit	0	103	0.0%
Porcupine Health Unit	0	86	0.0%
Public Health Sudbury & Districts	0	169	0.0%
Timiskaming Health Unit	0	36	0.0%
<b>TOTAL NORTH EAST</b>	<b>0</b>	<b>503</b>	<b>0.0%</b>
Ottawa Public Health	1	458	0.2%
Eastern Ontario Health Unit	0	145	0.0%
Hastings Prince Edward Public Health	0	99	0.0%
Kingston, Frontenac and Lennox & Addington Public Health	2	114	1.8%
Leeds, Grenville & Lanark District Health Unit	0	120	0.0%
Renfrew County and District Health Unit	0	75	0.0%
<b>TOTAL EASTERN</b>	<b>3</b>	<b>1,011</b>	<b>0.3%</b>
Durham Region Health Department	0	337	0.0%
Haliburton, Kawartha, Pine Ridge District Health Unit	1	88	1.1%

Public Health Unit Name	Total number of school-related ongoing outbreaks	Total number of schools in public health unit	Percentage of schools with ongoing outbreak
Peel Public Health	4	658	0.6%
Peterborough Public Health	0	80	0.0%
Simcoe Muskoka District Health Unit	0	241	0.0%
York Region Public Health	0	676	0.0%
<b>TOTAL CENTRAL EAST</b>	<b>5</b>	<b>2,080</b>	<b>0.2%</b>
Toronto Public Health	3	1,400	0.2%
<b>TOTAL TORONTO</b>	<b>3</b>	<b>1,400</b>	<b>0.2%</b>
Chatham-Kent Public Health	0	69	0.0%
Grey Bruce Health Unit	0	130	0.0%
Huron Perth Public Health	0	120	0.0%
Lambton Public Health	0	65	0.0%
Middlesex-London Health Unit	0	227	0.0%
Southwestern Public Health	0	112	0.0%
Windsor-Essex County Health Unit	2	175	1.1%
<b>TOTAL SOUTH WEST</b>	<b>2</b>	<b>898</b>	<b>0.2%</b>
Brant County Health Unit	1	92	1.1%
City of Hamilton Public Health Services	1	256	0.4%
Haldimand-Norfolk Health Unit	0	58	0.0%
Halton Region Public Health	0	252	0.0%
Niagara Region Public Health	0	243	0.0%



Public Health Unit Name	Total number of school-related ongoing outbreaks	Total number of schools in public health unit	Percentage of schools with ongoing outbreak
Region of Waterloo Public Health and Emergency Services	0	277	0.0%
Wellington-Dufferin-Guelph Public Health	0	176	0.0%
<b>TOTAL CENTRAL WEST</b>	<b>2</b>	<b>1,354</b>	<b>0.1%</b>
<b>TOTAL ONTARIO</b>	<b>15</b>	<b>7,460</b>	<b>0.2%</b>

**Note:** Includes outbreaks that are ongoing. 'Total number of schools in public health unit' include all public and private schools located in the public health unit, regardless of whether or not the school is currently providing in-person learning. Schools with a special location code of 'Adult' or 'Temporary Remote Learning School' have been excluded. If there is a discrepancy between numbers presented in this report and those reported by a Public Health Unit, consider the number reported by the Public Health unit to be the most up to date.

**Data Source:** CCM

**Table A3. Summary of confirmed COVID-19 cases associated with education and child care setting outbreaks reported July 4, 2021 to January 8, 2022 by age groups: Ontario\***

Age group	Education and child care setting outbreak associated cases (%) <sup>1,2</sup>	Cumulative case count up to January 8 (%) <sup>2</sup>
0 to 3	609 (7.3%)	8,684 (2.6%)
4 to 8	2,744 (32.9%)	16,997 (5%)
9 to 13	3,214 (38.5%)	20,932 (6.2%)
14 to 17	797 (9.6%)	15,535 (4.6%)
<b>17 and under</b>	<b>7,364 (88.2%)</b>	<b>62,148 (18.3%)</b>
18 and over	980 (11.7%)	276,479 (81.6%)
<b>Total</b>	<b>8,345</b>	<b>338,740</b>

**Note:** Not all cases have an age reported. Totals include cases where age was unknown.

<sup>1</sup>Education and child care settings include elementary school, elementary/secondary school, and secondary school settings and child care settings.

<sup>2</sup>Counts include COVID-19 cases reported starting week 27 of 2021 (July 4 to 10, 2021).

\*Cases associated with outbreaks with an outbreak reported date occurring before July 4, 2021 have been excluded

**Data Source:** CCM

## Citation

Ontario Agency for Health Protection and Promotion (Public Health Ontario). Epidemiologic summary: COVID-19 in children and education settings – July 4, 2021 to January 8, 2021. Toronto, ON: Queen's Printer for Ontario; 2021.

## Disclaimer

This document was developed by Public Health Ontario (PHO). PHO provides scientific and technical advice to Ontario's government, public health organizations and health care providers. PHO's work is guided by the current best available evidence at the time of publication. The application and use of this document is the responsibility of the user. PHO assumes no liability resulting from any such application or use. This document may be reproduced without permission for non-commercial purposes only and provided that appropriate credit is given to PHO. No changes and/or modifications may be made to this document without express written permission from PHO.

## For Further Information

For more information, email [cd@oahpp.ca](mailto:cd@oahpp.ca).

## Public Health Ontario

Public Health Ontario is an agency of the Government of Ontario dedicated to protecting and promoting the health of all Ontarians and reducing inequities in health. Public Health Ontario links public health practitioners, front-line health workers and researchers to the best scientific intelligence and knowledge from around the world.

©Queen's Printer for Ontario, 2021

