



COVID-19 Epidemiology Update

OTTAWA PUBLIC HEALTH. Report compiled on April 9, 2020, 11:00 am

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Purpose

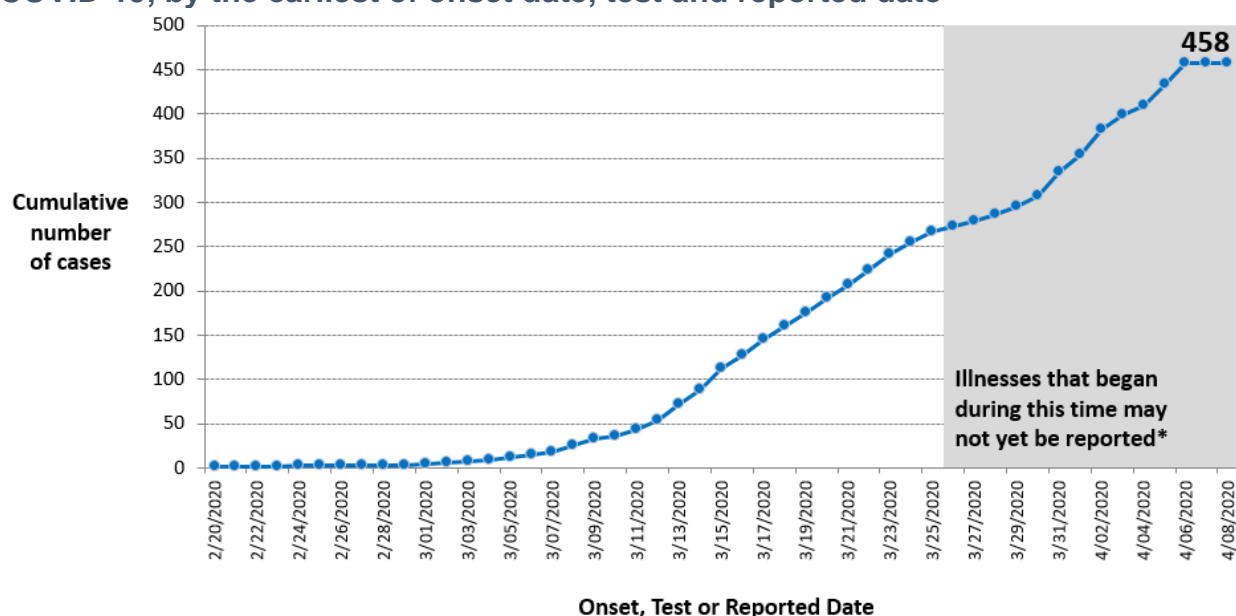
This daily report provides an epidemiologic summary of COVID-19 activity in Ottawa to date. The report includes the most current information available from the integrated Public Health Information System (iPHIS) and a chart review of COVID-19 cases as of 4:00 p.m. April 8, 2020.

Summary

- 458 laboratory-confirmed cases, including 9 deaths, have been reported in Ottawa.
- This includes 29 new cases and 2 new deaths since the previous report.
- 14% of cases have been hospitalized (cumulative), including 5% in intensive care (cumulative).
- The median age of cases is 47 years (range, 1 to 102 years).
- There are cases among residents from 13 [institutions](#).
- The most common reported exposure settings for cases include: 20% with close contact with a case only, 17% with no travel and no known contact with a case, 14% with travel only, and 43% with exposure information pending.

Cases Over Time

Figure 1. Cumulative epidemiological curve of Ottawa residents with confirmed COVID-19, by the earliest of onset date, test and reported date

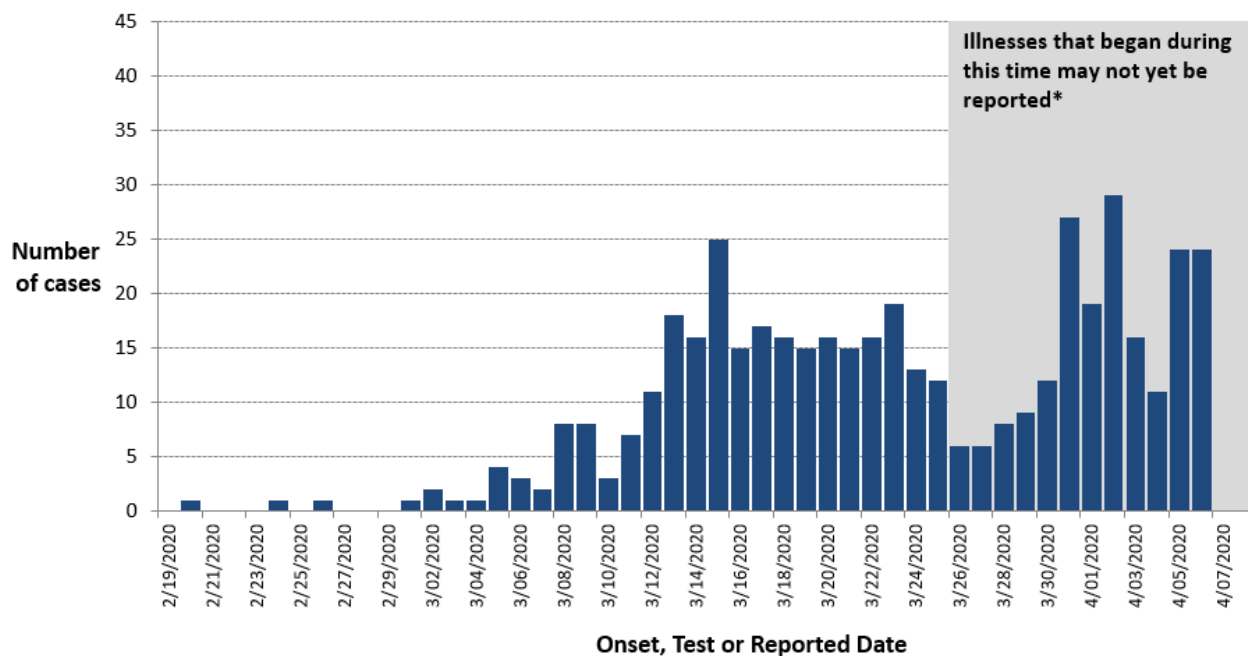


Notes:

1. Data are from iPHIS and a chart review of individuals with COVID-19 -positive laboratory results as of 4:00 p.m. on April 8, 2020. These results may differ from other sources because different reports extract data at different times.
2. The onset date is the earliest of symptom onset, laboratory testing, and reporting dates. This means that in the graph, cases are shown based on when the person's symptoms started, or if that is not known, the date that they were tested. If the test date is not known, the date that the case was reported to public health is used. As the case is investigated and new information on these dates is determined, the dates in the graph will be updated.
3. Confirmed cases are those with a confirmed COVID-19 laboratory result as per the Ministry of Health Public health management of cases and contacts of COVID-19 in Ontario. March 25, 2020 version 6.0.
4. A patient's exposure may have occurred up to 14 days prior to onset of symptoms.
5. *Symptomatic cases occurring in the last approximately 14 days are likely under-reported due to the time for individuals to seek medical assessment and for availability of testing and test results.



Figure 2. Epidemiological curve of Ottawa residents with confirmed COVID-19, by the earliest of onset, test and reported date (n=458)



Notes:

1. Data are from iPHIS and a chart review of individuals with COVID-19 -positive laboratory results as of 4:00 p.m. on April 8, 2020. These results may differ from other sources because different reports extract data at different times.
2. The onset date is the earliest of symptom onset, laboratory testing, and reporting dates. This means that in the graph, cases are shown based on when the person’s symptoms started, or if that is not known, then date that they were tested. If the test date is not known, the date that the case was reported to public health is used. As the case is investigated and new information on these dates is determined, the dates in the graph will be updated daily.
3. Confirmed cases are those with a confirmed COVID-19 laboratory result as per the Ministry of Health Public health management of cases and contacts of COVID-19 in Ontario. March 25, 2020 version 6.0.
4. A patient’s exposure may have occurred up to 14 days prior to onset of symptoms.
5. *Symptomatic cases occurring in the last approximately 14 days are likely under-reported due to the time for individuals to seek medical assessment and for availability of testing and test results.



Case Characteristics

Table 1. Summary of confirmed Ottawa cases

Measure	Number	Percentage
Case count	458	-
Change from previous report	29	7% increase
Age, median (range)	47 years (1-102)	-
Age		
<5 years	2	<1%
5 to 19 years	7	2%
20 to 44 years	185	40%
45 to 64 years	171	37%
65 years and older	93	20%
Unknown	0	0%
Gender		
Female	230	50%
Male	227	50%
Unknown	1	<1%
Health care workers and first responders	51	11%

Notes:

1. Data are from iPHIS and a chart review of individuals with COVID-19 -positive laboratory results as of 4:00 p.m. on April 8, 2020. These results may differ from other sources because different reports extract data at different times.
2. Confirmed cases are those with a confirmed COVID-19 laboratory result as per the Ministry of Health Public health management of cases and contacts of COVID-19 in Ontario. March 25, 2020 version 6.0.



Severity of Cases

Table 2. Severity of confirmed Ottawa cases

Measure	Number	Percentage
All cases	458	
Cumulative hospitalized	66	14%
Currently in hospital	30	7%
Cumulative intensive care	23	5%
Currently in intensive care	12	3%
Deaths	9	2%
Resolved ³	143	31%

Notes:

1. Data are taken from chart review of individuals with CoV-positive laboratory results, consulted at 4:00 p.m. on April 8, 2020. The numbers may differ from other sources, as data are extracted at different times.
2. Confirmed cases are those with a confirmed COVID-19 laboratory result as per the Ministry of Health Public health management of cases and contacts of COVID-19 in Ontario. March 25, 2020 version 6.0.
3. Resolved cases are persons whose symptoms have resolved and who have been discharged from isolation as per the Ministry of Health Public Health Guidance on Testing and Clearing Cases. March 26, 2020. version 2.0.

Table 3. Age among cumulative hospitalized and intensive care confirmed Ottawa cases (n=458)

Measure	Cumulative Hospitalized		Cumulative intensive care	
	Number	Percentage	Number	Percentage
Case count	66	14%	23	5%
Age, median (range)	66 years (29 to 97)		66 years (40 to 83)	
Age				
<5 years	0	0%	0	0%
5 to 19 years	0	0%	0	0%
20 to 44 years	8	12%	3	13%
45 to 64 years	21	32%	7	30%
65 years and older	37	56%	13	57%

Notes:

1. Data are taken from chart review of individuals with CoV-positive laboratory results, consulted at 4:00 p.m. on April 8, 2020. The numbers may differ from other sources, as data are extracted at different times.
2. Confirmed cases are those with a confirmed COVID-19 laboratory result as per the Ministry of Health Public health management of cases and contacts of COVID-19 in Ontario. March 25, 2020 version 6.0.



Exposure Settings

Table 4. Exposures of confirmed Ottawa COVID-19 cases

Exposure	Number	Percentage
Travel only	65	14%
Travel and contact with a case	23	5%
Contact with a case only	93	20%
No travel and no known contact with a known case	78	17%
Undetermined/pending	199	43%
TOTAL	458	

Notes:

1. Data as of 4:00 p.m. on April 8, 2020. Investigations are ongoing.
2. Confirmed cases are those with a confirmed COVID-19 laboratory result as per the Ministry of Health Public health management of cases and contacts of COVID-19 in Ontario. March 25, 2020 version 6.0.

Data Notes & Sources

Data extracted represent a snapshot at the time of extraction and may differ in previous or subsequent reports. These data sources are used:

- 1) Case information
 - a. Ontario Ministry of Health, integrated Public Health Information System (iPHIS), extracted by Ottawa Public Health at 4:00 p.m. each day. iPHIS is a dynamic disease reporting system that allows for ongoing updates to data previously entered. Data extracted from the iPHIS database represent a snapshot at the time of extraction and can be different in previous or subsequent reports.
 - b. OPH Public Health Medical Unit case management chart review

Please use the following citation when referencing this document:

Ottawa Public Health. COVID-19 Epidemiology Update. April 9, 2020. Ottawa (ON): Ottawa Public Health; 2020.

For further information about COVID-19 in Ottawa, visit ottawapublichealth.ca.



Data Tables

Data Table for Figures 1 and 2

Onset, Test or Reported Date	Figure 1. Cumulative epidemiological curve of Ottawa residents with confirmed COVID-19	Figure 2. Epidemiological curve of Ottawa residents with confirmed COVID-19
	Total Confirmed COVID-19 Cases	Confirmed COVID-19 Cases by Date
2/19/2020	0	0
2/20/2020	1	1
2/21/2020	1	0
2/22/2020	1	0
2/23/2020	1	0
2/24/2020	2	1
2/25/2020	2	0
2/26/2020	3	1
2/27/2020	3	0
2/28/2020	3	0
2/29/2020	3	0
3/01/2020	4	1
3/02/2020	6	2
3/03/2020	7	1
3/04/2020	8	1
3/05/2020	12	4
3/06/2020	15	3
3/07/2020	17	2
3/08/2020	25	8
3/09/2020	33	8
3/10/2020	36	3
3/11/2020	43	7
3/12/2020	54	11
3/13/2020	72	18
3/14/2020	88	16
3/15/2020	113	25
3/16/2020	128	15



3/17/2020	145	17
3/18/2020	161	16
3/19/2020	176	15
3/20/2020	192	16
3/21/2020	207	15
3/22/2020	223	16
3/23/2020	242	19
3/24/2020	255	13
3/25/2020	267	12
3/26/2020	273	6
3/27/2020	279	6
3/28/2020	287	8
3/29/2020	296	9
3/30/2020	308	12
3/31/2020	335	27
4/01/2020	354	19
4/02/2020	383	29
4/03/2020	399	16
4/04/2020	410	11
4/05/2020	434	24
4/06/2020	458	24
4/07/2020	458	0
4/08/2020	458	0

