



COVID-19 Epidemiology Update

OTTAWA PUBLIC HEALTH. Report compiled on April 10, 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 9, 2020.

Summary

- 494 laboratory-confirmed cases, including 9 deaths, have been reported in Ottawa.
- This includes 36 new cases and 0 new deaths since the previous report.
- 15% 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: 23% with close contact with a case only, 22% with no travel and no known contact with a case, 14% with travel only, and 36% 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

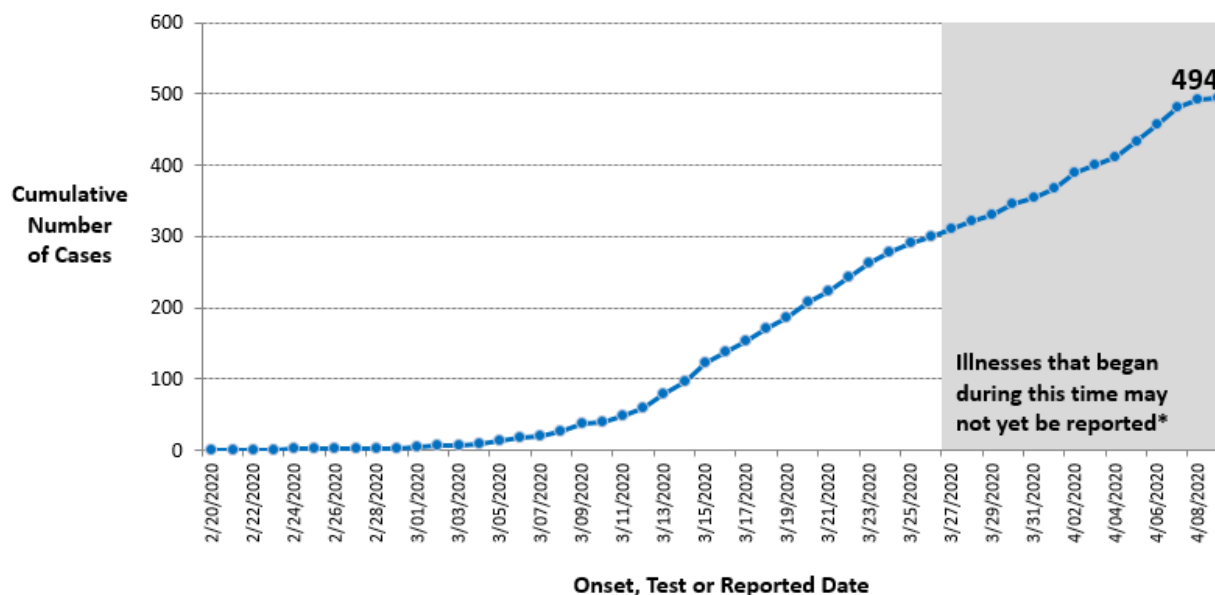
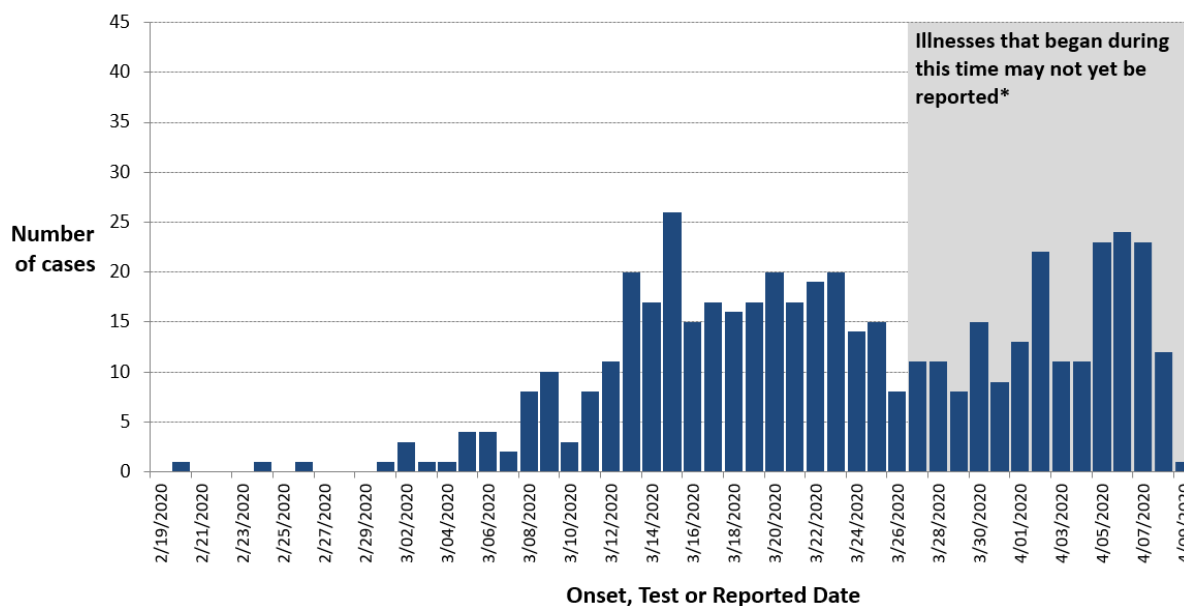


Figure 2. Epidemiological curve of Ottawa residents with confirmed COVID-19, by the EARLIEST of onset, test and reported date (n=494)



Notes for Figure 1 and 2:

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 9, 2020.
2. The onset date is the earliest of symptom onset, laboratory testing, and reporting dates. This means that in the graphs, 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 more information is available, the dates in the graph are 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.



- *Symptomatic cases occurring in approximately the last 14 days are likely under-reported due to the time for individuals to seek medical assessment, availability of testing, and receipt of test results.

Case Characteristics

Table 1. Summary of confirmed Ottawa cases

Measure	Number	Percentage
Case count	494	-
Change from previous report	36	8% increase
Age, median (range)	47 years (1-102)	-
Age		
<5 years	2	<1%
5 to 19 years	8	2%
20 to 44 years	199	40%
45 to 64 years	183	37%
65 years and older	102	21%
Unknown	0	0%
Gender		
Female	251	51%
Male	242	49%
Unknown	1	<1%
Health care workers and first responders	56	11%

Notes:

- Data are from iPHIS and a chart review of individuals with COVID-19 -positive laboratory results as of 4:00 p.m. on April 9, 2020.
- 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	494	
Cumulative hospitalized	73	15%
Currently in hospital	33	7%
Cumulative intensive care	24	5%
Currently in intensive care	13	3%
Deaths	9	2%
Resolved ³	156	32%

Notes:

- Data are taken from chart review of individuals with CoV-positive laboratory results, consulted at 4:00 p.m. on April 9, 2020.
- 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.
- 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=494)

Measure	Cumulative Hospitalized		Cumulative intensive care	
	Number	Percentage	Number	Percentage
Case count	73	15%	24	5%
Age, median (range)	67 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	11%	3	13%
45 to 64 years	24	34%	8	33%
65 years and older	41	56%	13	54%

Notes:

1. Data are taken from chart review of individuals with CoV-positive laboratory results, consulted at 4:00 p.m. on April 9, 2020.
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	70	14%
Travel and contact with a case	27	5%
Contact with a case only	112	23%
No travel and no known contact with a known case	108	22%
Undetermined/pending	177	36%
TOTAL	494	

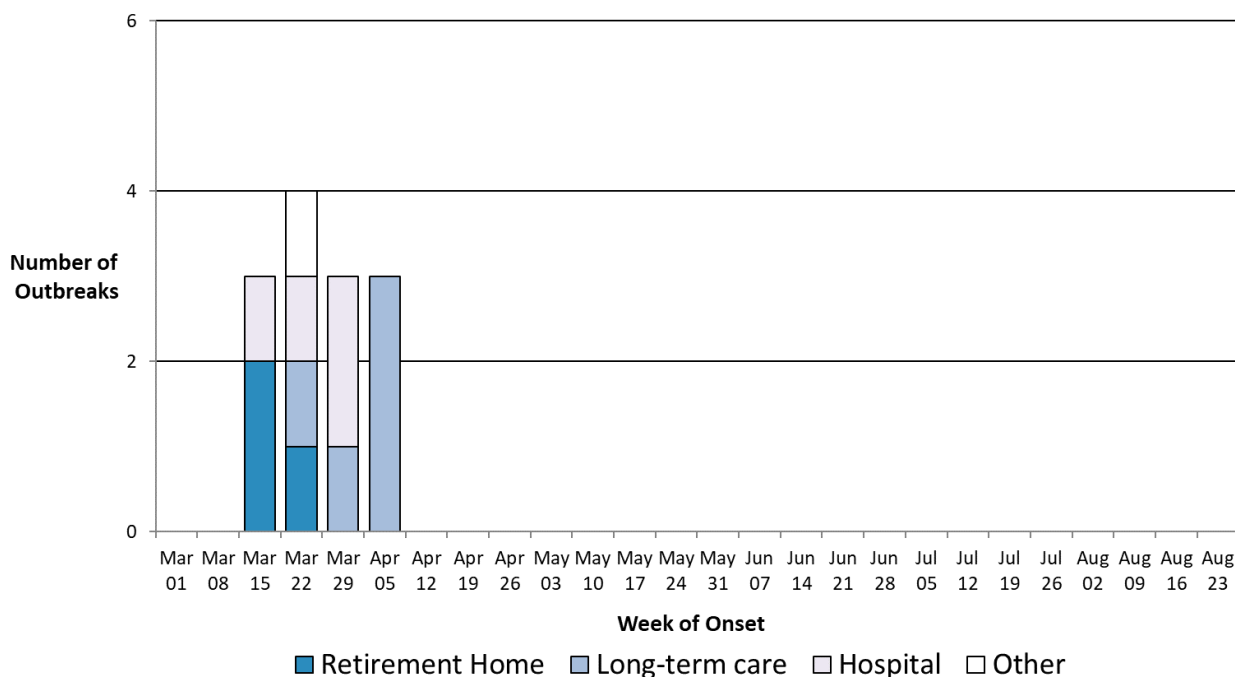
Notes:

1. Data as of 4:00 p.m. on April 9, 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.



Outbreaks

Figure 3. COVID-19 outbreaks in Ottawa institutions²



1. Data as of 4:00 pm on April 9, 2020. Investigation and data entry are ongoing.
2. Institutions include long-term care homes, retirement homes, group homes (other) and public hospitals

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 10, 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

Earliest of 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	7	3
3/03/2020	8	1
3/04/2020	9	1
3/05/2020	13	4
3/06/2020	17	4
3/07/2020	19	2
3/08/2020	27	8
3/09/2020	37	10
3/10/2020	40	3
3/11/2020	48	8
3/12/2020	59	11
3/13/2020	79	20
3/14/2020	96	17
3/15/2020	122	26
3/16/2020	137	15
3/17/2020	154	17



3/18/2020	170	16
3/19/2020	187	17
3/20/2020	207	20
3/21/2020	224	17
3/22/2020	243	19
3/23/2020	263	20
3/24/2020	277	14
3/25/2020	292	15
3/26/2020	300	8
3/27/2020	311	11
3/28/2020	322	11
3/29/2020	330	8
3/30/2020	345	15
3/31/2020	354	9
4/01/2020	367	13
4/02/2020	389	22
4/03/2020	400	11
4/04/2020	411	11
4/05/2020	434	23
4/06/2020	458	24
4/07/2020	481	23
4/08/2020	493	12
4/09/2020	494	1



Data Table for Figure 3

Week of symptom onset	Number of outbreaks in Ottawa retirement homes	Number of outbreaks in long-term care/ nursing homes in Ottawa	Number of outbreaks in Ottawa hospitals	Number of outbreaks in other Ottawa institutions
Mar 01	0	0	0	0
Mar 08	0	0	0	0
Mar 15	2	0	1	0
Mar 22	1	1	1	1
Mar 29	0	1	2	0
Apr 05	0	3	0	0
Apr 12				
Apr 19				
Apr 26				
May 03				
May 10				
May 17				
May 24				
May 31				
Jun 07				
Jun 14				
Jun 21				
Jun 28				
Jul 05				
Jul 12				
Jul 19				
Jul 26				
Aug 02				
Aug 09				
Aug 16				
Aug 23				

