



COVID-19 Epidemiology Update

OTTAWA PUBLIC HEALTH. Report compiled on April 11, 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 10, 2020.

Summary

- 524 laboratory-confirmed cases, including 11 deaths, have been reported in Ottawa.
- This includes 30 new cases and 2 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 48 years (range, 1 to 102 years).
- There are cases among residents from 14 [institutions](#).
- The most common reported exposure settings for cases include: 24% with close contact with a case only, 20% with travel only, 17% with no travel and no known contact with a case, and 31% 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

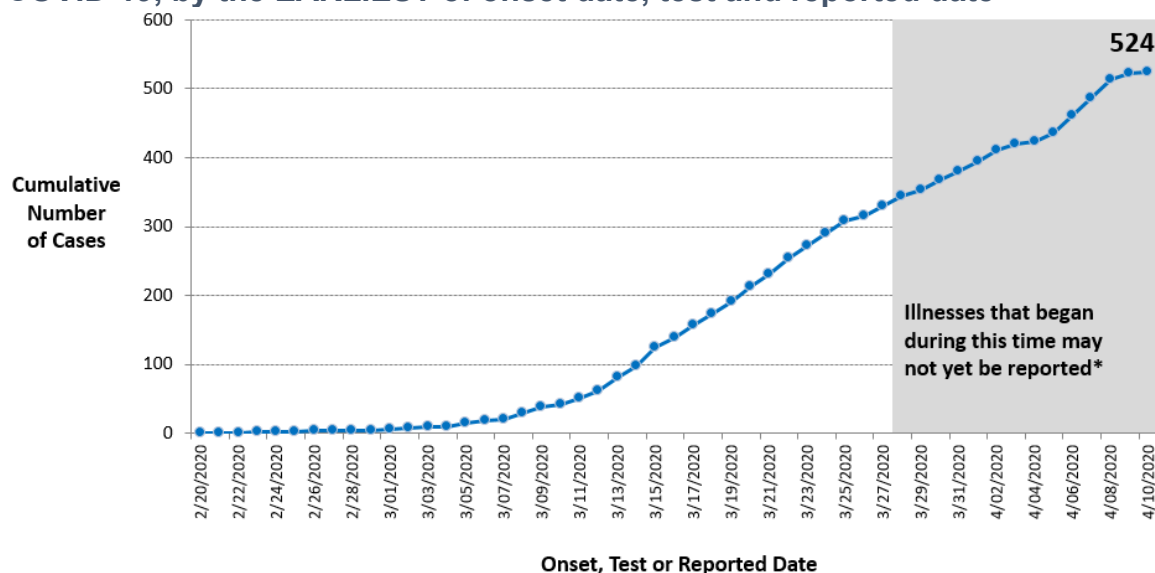
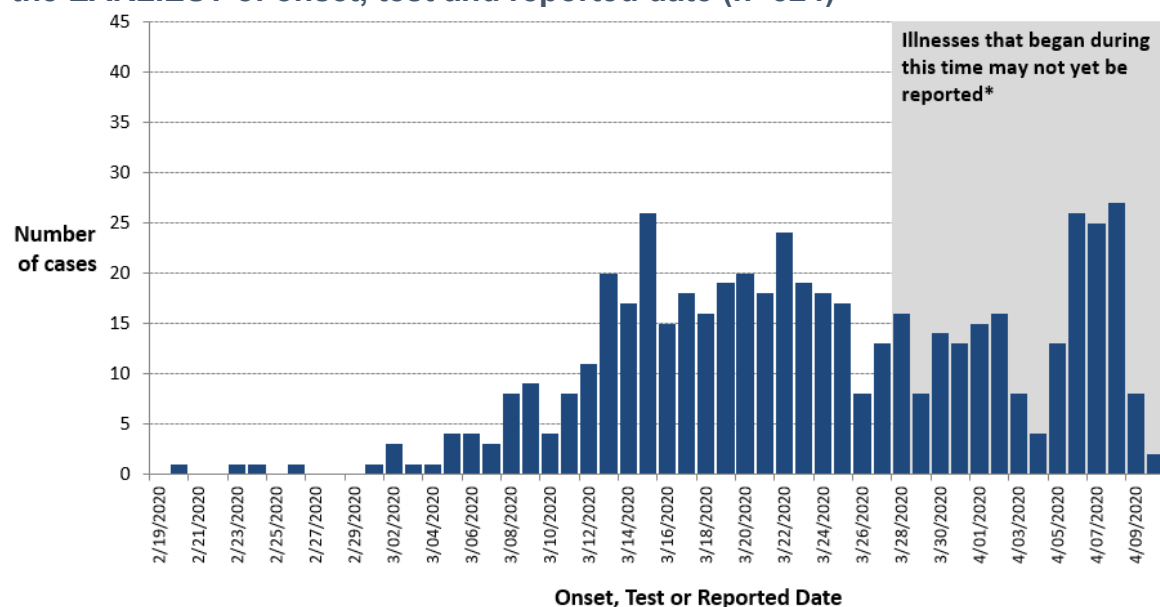


Figure 2. Epidemiological curve of Ottawa residents with confirmed COVID-19, by the EARLIEST of onset, test and reported date (n=524)



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 10, 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.
5. *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	524	-
Change from previous report	30	6% increase
Age, median (range)	48 years (1-102)	-
Age		
<5 years	2	<1%
5 to 19 years	8	2%
20 to 44 years	209	40%
45 to 64 years	193	37%
65 years and older	112	21%
Unknown	0	0%
Gender		
Female	270	52%
Male	253	48%
Unknown	1	<1%
Health care workers and first responders ³	49	9%

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 10, 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.
3. Previous reports (5-Apr to 10-Apr) misclassified some cases as health care workers. This error has been corrected as of 11-Apr.

Severity of Cases

Table 2. Severity of confirmed Ottawa cases

Measure	Number	Percentage
All cases	524	
Cumulative hospitalized	79	15%
Currently in hospital	37	7%
Cumulative intensive care	26	5%
Currently in intensive care	13	2%
Deaths	11	2%
Resolved ³	170	32%

Notes:

1. Data are taken from chart review of individuals with CoV-positive laboratory results, consulted at 4:00 p.m. on April 10, 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.
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=524)

Measure	Cumulative Hospitalized		Cumulative intensive care	
	Number	Percentage	Number	Percentage
Case count	79	15%	26	5%
Age, median (range)	67 years (29 to 97)		66 years (37 to 83)	
Age				
<5 years	0	0%	0	0%
5 to 19 years	0	0%	0	0%
20 to 44 years	8	10%	4	15%
45 to 64 years	28	35%	9	35%
65 years and older	43	54%	13	50%

Notes:

1. Data are taken from chart review of individuals with CoV-positive laboratory results, consulted at 4:00 p.m. on April 10, 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	107	20%
Travel and contact with a case	36	7%
Contact with a case only	125	24%
No travel and no known contact with a known case	91	17%
Undetermined/pending	165	31%
TOTAL	524	

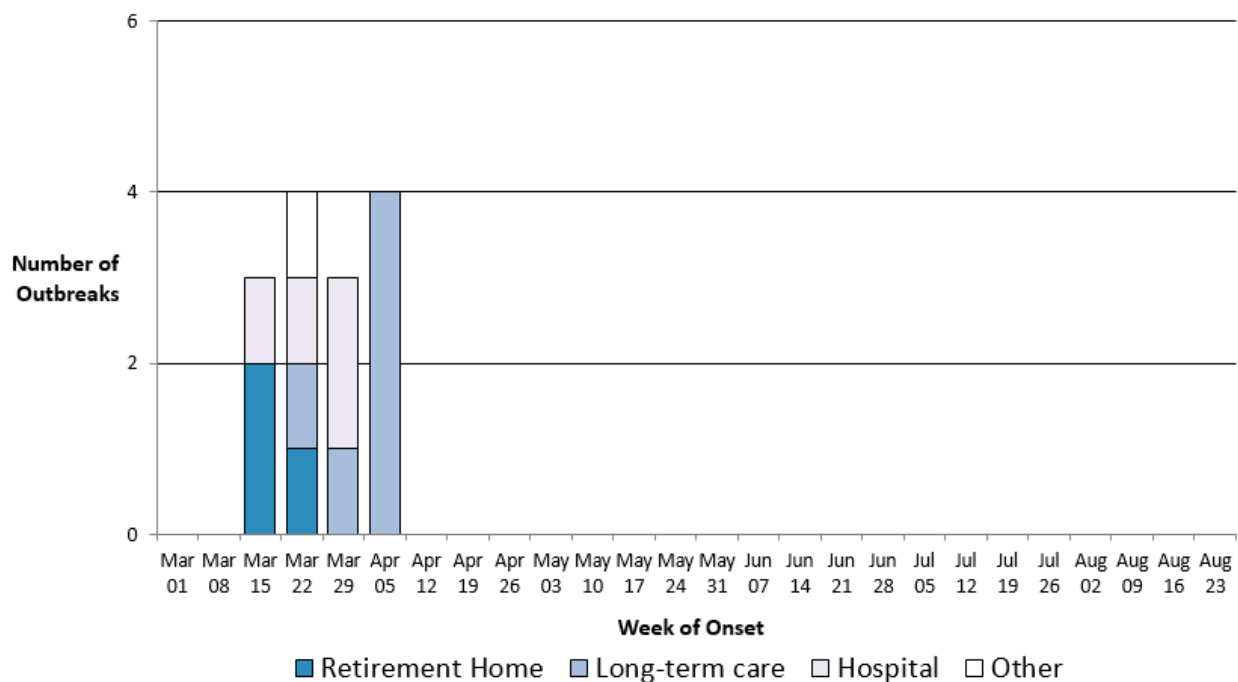
Notes:

1. Data as of 4:00 p.m. on April 10, 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. Total number of COVID-19 outbreaks in Ottawa institutions²



1. Data as of 4:00 pm on April 10, 2020. Two outbreaks are closed and 12 are active. 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 11, 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	2	1
2/24/2020	3	1
2/25/2020	3	0
2/26/2020	4	1
2/27/2020	4	0
2/28/2020	4	0
2/29/2020	4	0
3/01/2020	5	1
3/02/2020	8	3
3/03/2020	9	1
3/04/2020	10	1
3/05/2020	14	4
3/06/2020	18	4
3/07/2020	21	3
3/08/2020	29	8
3/09/2020	38	9
3/10/2020	42	4
3/11/2020	50	8
3/12/2020	61	11
3/13/2020	81	20
3/14/2020	98	17
3/15/2020	124	26



3/16/2020	139	15
3/17/2020	157	18
3/18/2020	173	16
3/19/2020	192	19
3/20/2020	212	20
3/21/2020	230	18
3/22/2020	254	24
3/23/2020	273	19
3/24/2020	291	18
3/25/2020	308	17
3/26/2020	316	8
3/27/2020	329	13
3/28/2020	345	16
3/29/2020	353	8
3/30/2020	367	14
3/31/2020	380	13
4/01/2020	395	15
4/02/2020	411	16
4/03/2020	419	8
4/04/2020	423	4
4/05/2020	436	13
4/06/2020	462	26
4/07/2020	487	25
4/08/2020	514	27
4/09/2020	522	8
4/10/2020	524	2



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	4	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				

