



COVID-19 Epidemiology Update

OTTAWA PUBLIC HEALTH. Report compiled on April 17, 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 16, 2020.

Summary

- 728 laboratory-confirmed cases, including 21 deaths, have been reported in Ottawa.
- This includes 50 new cases and 7 new deaths since the previous report. An increase in testing might contribute, in part, to the increase in newly identified cases.
- 13% of cases have been hospitalized (cumulative), including 4% in intensive care (cumulative).
- The median age of cases is 50 years (range, 1 to 105 years).
- There are 16 ongoing outbreaks in [institutions](#).
- The most common reported exposure settings for cases include: 41% with close contact with a case only, 24% with no travel and no known contact with a case, 16% with travel only, and 13% 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

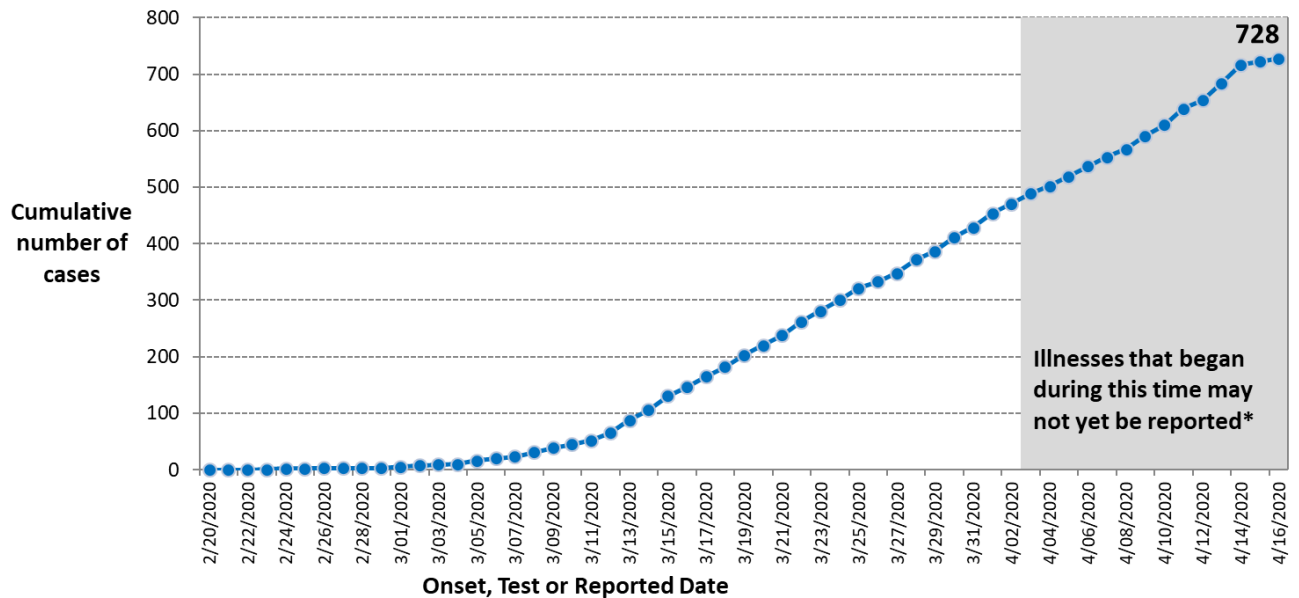
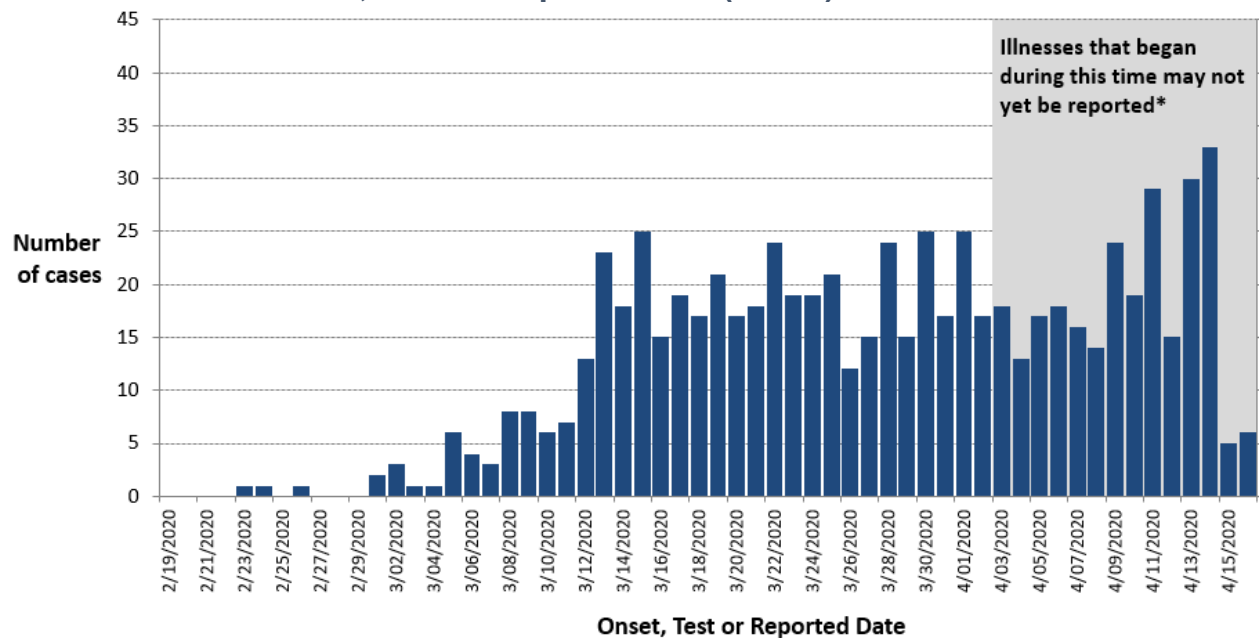


Figure 2. Epidemiological curve of Ottawa residents with confirmed COVID-19, by the EARLIEST of onset, test and reported date (n=728)



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 16, 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 COVID-19 cases

Measure	Number	Percentage	
Case count	728	-	
Change from previous report	50	7% increase	
Age, median (range)	50 years (1-105)	-	
Age			
	<5 years	5	1%
	5 to 19 years	16	2%
	20 to 44 years	267	37%
	45 to 64 years	254	35%
	65 years and older	186	26%
	Unknown	0	0%
Gender			
	Female	397	55%
	Male	329	45%
	Unknown	2	<1%
Health care workers and first responders ³	106	15%	

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 16, 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.
- Previous reports (April 5 to 10) misclassified some cases as health care workers. This error has been corrected as of April 11, 2020.

Severity of Cases

Table 2. Severity of confirmed Ottawa COVID-19 cases

Measure	Number	Percentage
All cases	728	
Cumulative hospitalized	97	13%
Currently in hospital	37	5%
Cumulative intensive care	32	4%
Currently in intensive care	13	2%
Deaths	21	3%
Resolved ⁴	304	42%

Notes:

- Data are taken from chart review of individuals with CoV-positive laboratory results, consulted at 4:00 p.m. on April 16, 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.
- Intensive care patients are a subset of hospitalized patients.



- 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 COVID-19 cases (n=728)

Measure	Cumulative Hospitalized		Cumulative intensive care	
	Number	Percentage	Number	Percentage
Case count	97	13%	32	4%
Age, median (range)	65 years (29 to 97)		64 years (32 to 83)	
Age				
<5 years	0	0%	0	0%
5 to 19 years	0	0%	0	0%
20 to 44 years	13	13%	5	16%
45 to 64 years	35	36%	11	34%
65 years and older	49	50%	16	50%

Notes:

- Data are taken from chart review of individuals with CoV-positive laboratory results, consulted at 4:00 p.m. on April 16, 2020.
- Intensive care patients are a subset of hospitalized patients.
- 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	119	16%
Travel and contact with a case	44	6%
Contact with a case only	302	41%
No travel and no known contact with a known case	172	24%
Undetermined/pending	91	13%
TOTAL	728	

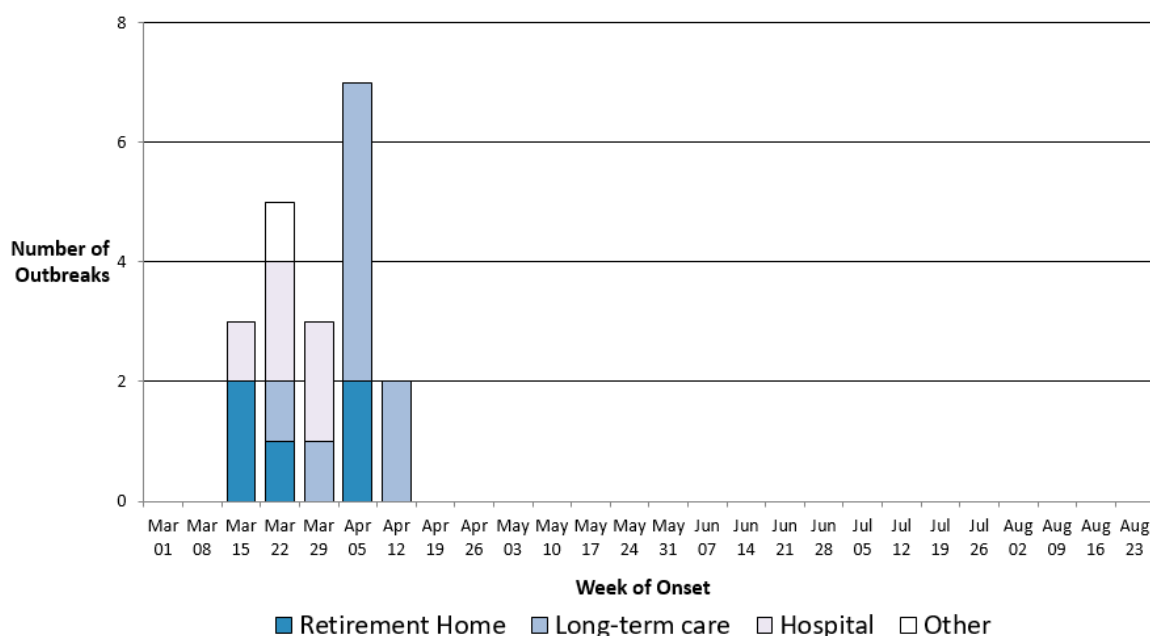
Notes:

- Data as of 4:00 p.m. on April 16, 2020. Investigations are ongoing.
- 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 16, 2020. Four outbreaks are closed and 16 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 17, 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	0	0
2/21/2020	0	0
2/22/2020	0	0
2/23/2020	1	1
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	5	2
3/02/2020	8	3
3/03/2020	9	1
3/04/2020	10	1
3/05/2020	16	6
3/06/2020	20	4
3/07/2020	23	3
3/08/2020	31	8
3/09/2020	39	8
3/10/2020	45	6
3/11/2020	52	7
3/12/2020	65	13
3/13/2020	88	23
3/14/2020	106	18
3/15/2020	131	25
3/16/2020	146	15
3/17/2020	165	19



3/18/2020	182	17
3/19/2020	203	21
3/20/2020	220	17
3/21/2020	238	18
3/22/2020	262	24
3/23/2020	281	19
3/24/2020	300	19
3/25/2020	321	21
3/26/2020	333	12
3/27/2020	348	15
3/28/2020	372	24
3/29/2020	387	15
3/30/2020	412	25
3/31/2020	429	17
4/01/2020	454	25
4/02/2020	471	17
4/03/2020	489	18
4/04/2020	502	13
4/05/2020	519	17
4/06/2020	537	18
4/07/2020	553	16
4/08/2020	567	14
4/09/2020	591	24
4/10/2020	610	19
4/11/2020	639	29
4/12/2020	654	15
4/13/2020	684	30
4/14/2020	717	33
4/15/2020	722	5
4/16/2020	728	6



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	2	1
Mar 29	0	1	2	0
Apr 05	2	5	0	0
Apr 12	0	2	0	0
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				

