



COVID-19 Epidemiology Update

OTTAWA PUBLIC HEALTH. Report compiled on April 15, 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 14, 2020.

Summary

- 643 laboratory-confirmed cases, including 13 deaths, have been reported in Ottawa.
- This includes 24 new cases and 1 new death since the previous report.
- 14% of cases have been hospitalized (cumulative), including 5% in intensive care (cumulative).
- The median age of cases is 49 years (range, 1 to 102 years).
- There are 16 ongoing outbreaks in [institutions](#).
- The most common reported exposure settings for cases include: 36% with close contact with a case only, 25% with no travel and no known contact with a case, 18% with travel only, and 15% 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

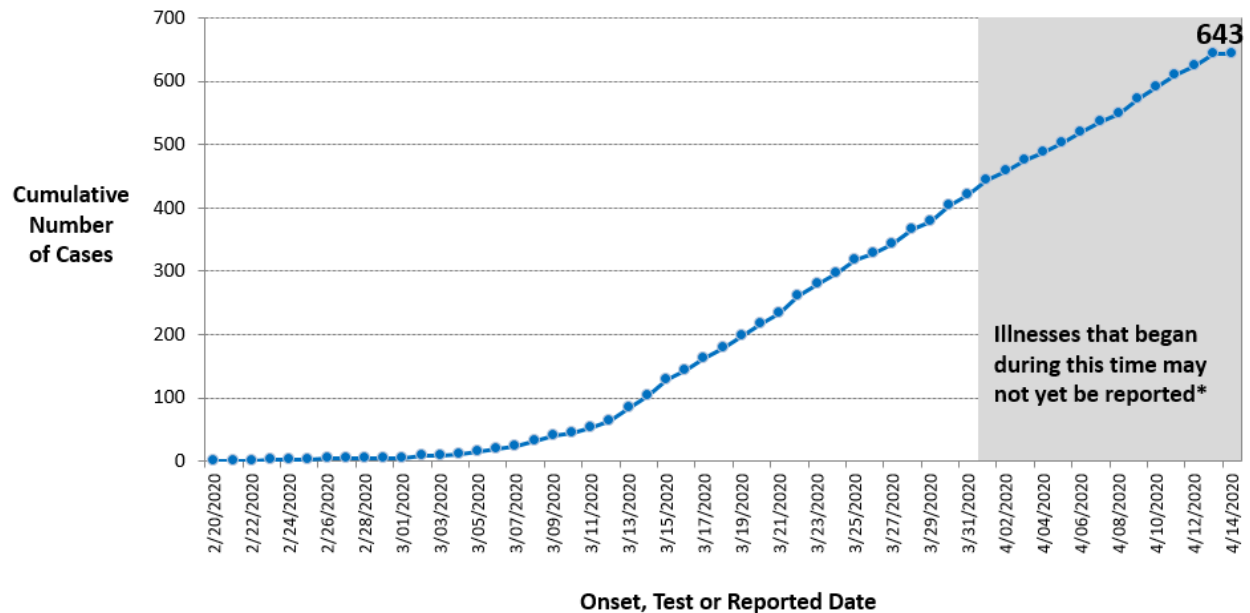
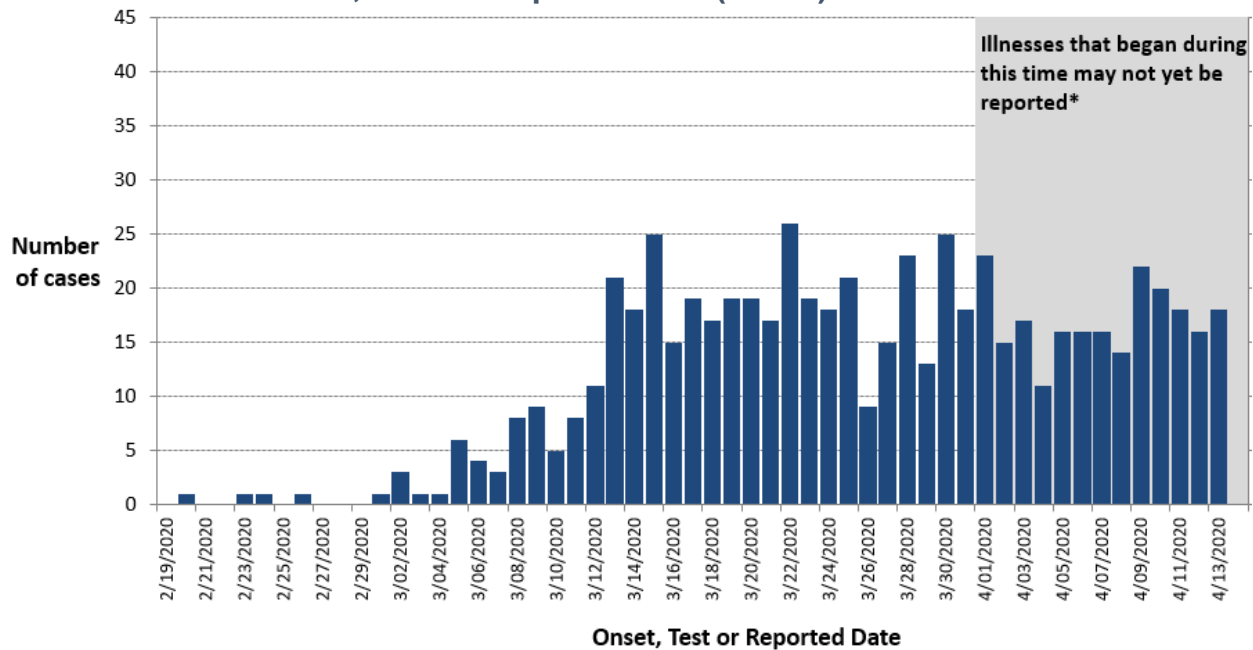


Figure 2. Epidemiological curve of Ottawa residents with confirmed COVID-19, by the EARLIEST of onset, test and reported date (n=643)



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 14, 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	643	-
Change from previous report	24	4% increase
Age, median (range)	49 years (1-102)	-
Age		
<5 years	4	1%
5 to 19 years	14	2%
20 to 44 years	247	38%
45 to 64 years	222	35%
65 years and older	156	24%
Unknown	0	0%
Gender		
Female	347	54%
Male	296	46%
Unknown	0	0%
Health care workers and first responders ³	89	14%

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 14, 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 cases

Measure	Number	Percentage
All cases	643	
Cumulative hospitalized	93	14%
Currently in hospital	41	6%
Cumulative intensive care	31	5%
Currently in intensive care	18	3%
Deaths	13	2%
Resolved ⁴	244	38%

Notes:

- Data are taken from chart review of individuals with CoV-positive laboratory results, consulted at 4:00 p.m. on April 14, 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=643)

Measure	Cumulative Hospitalized		Cumulative intensive care	
	Number	Percentage	Number	Percentage
Case count	93	14%	31	5%
Age, median (range)	66 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	11	12%	4	13%
45 to 64 years	33	35%	11	35%
65 years and older	49	53%	16	52%

Notes:

- Data are taken from chart review of individuals with CoV-positive laboratory results, consulted at 4:00 p.m. on April 14, 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	117	18%
Travel and contact with a case	41	6%
Contact with a case only	230	36%
No travel and no known contact with a known case	159	25%
Undetermined/pending	96	15%
TOTAL	643	

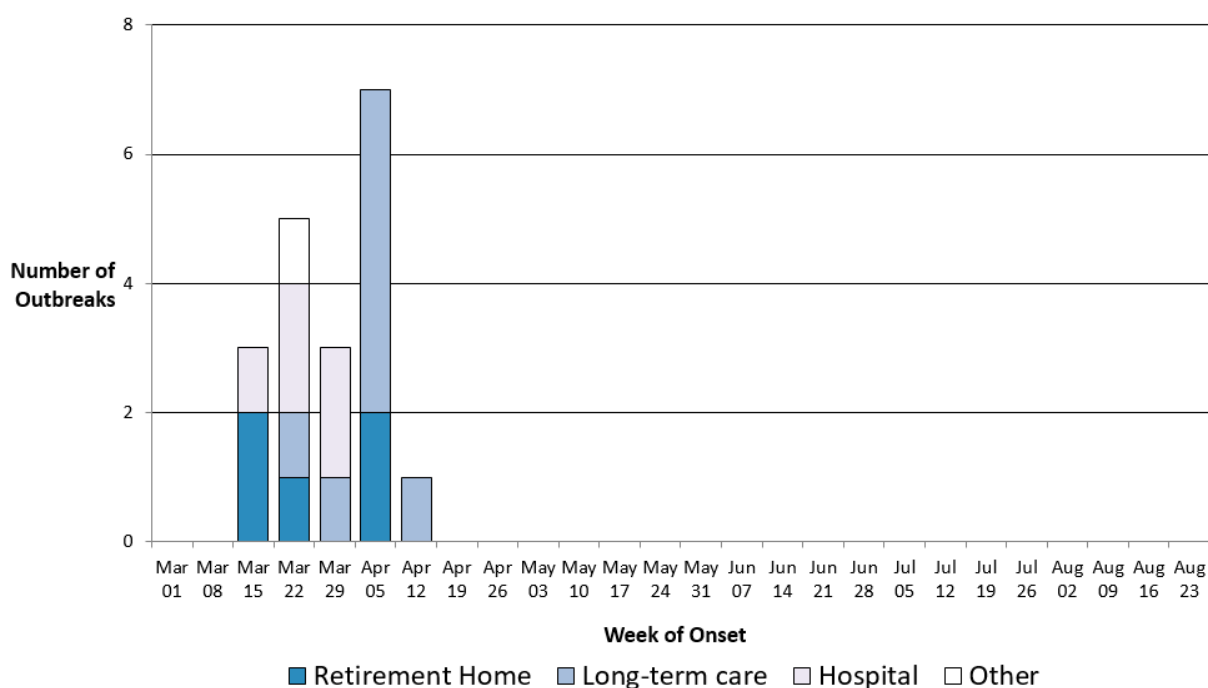
Notes:

- Data as of 4:00 p.m. on April 14, 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 14, 2020. Three 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 15, 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	16	6
3/06/2020	20	4
3/07/2020	23	3
3/08/2020	31	8
3/09/2020	40	9
3/10/2020	45	5
3/11/2020	53	8
3/12/2020	64	11
3/13/2020	85	21
3/14/2020	103	18
3/15/2020	128	25
3/16/2020	143	15
3/17/2020	162	19



3/18/2020	179	17
3/19/2020	198	19
3/20/2020	217	19
3/21/2020	234	17
3/22/2020	260	26
3/23/2020	279	19
3/24/2020	297	18
3/25/2020	318	21
3/26/2020	327	9
3/27/2020	342	15
3/28/2020	365	23
3/29/2020	378	13
3/30/2020	403	25
3/31/2020	421	18
4/01/2020	444	23
4/02/2020	459	15
4/03/2020	476	17
4/04/2020	487	11
4/05/2020	503	16
4/06/2020	519	16
4/07/2020	535	16
4/08/2020	549	14
4/09/2020	571	22
4/10/2020	591	20
4/11/2020	609	18
4/12/2020	625	16
4/13/2020	643	18
4/14/2020	643	0



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	1	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				

