



COVID-19 Epidemiology Weekly Supplement

OTTAWA PUBLIC HEALTH. Report compiled on September 30, 2020, 11:00 am

Table of Contents

Purpose	2
Key Highlights.....	2
Cases	3
Severity of Cases.....	6
Outbreaks	7
Data Tables	9



Purpose

The [Ottawa COVID-19 Dashboard](#) is the primary source of up-to-date information on COVID-19 cases, outbreaks, and core indicators for local monitoring in Ottawa.

This Weekly Supplement provides an epidemiologic summary of COVID-19 activity in Ottawa to date. The report includes the most current information available from the COVID-19 Ottawa Database (COD) as of 2:00 p.m. September 29, 2020.

Key Highlights

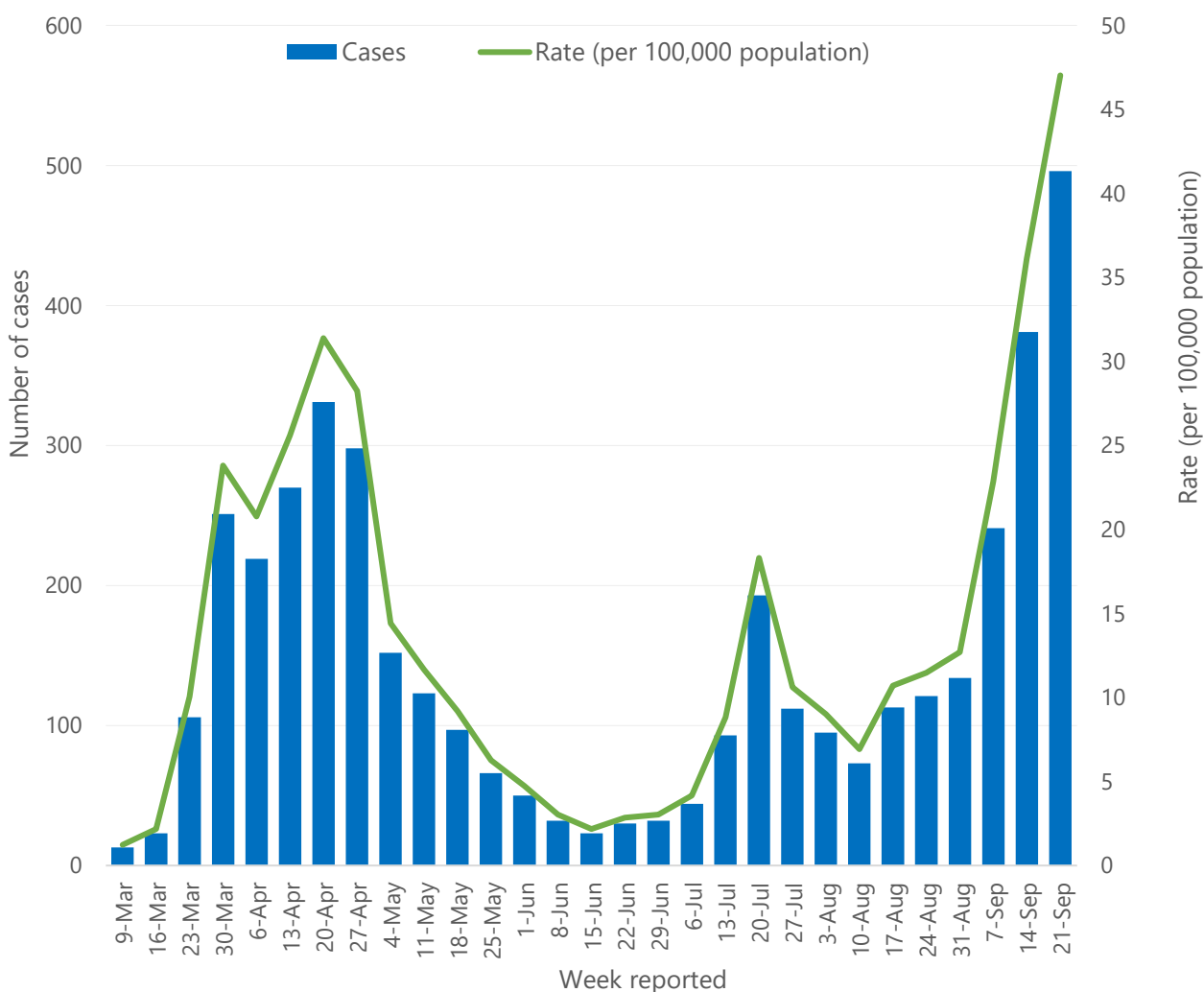
- As of 2:00 p.m. on September 29, 2020, **4,322** lab-confirmed cases have been reported among Ottawa residents.
- There were 496 cases reported last week (September 21 to September 27)- a 30% increase compared to the previous week (September 14 to September 20).
- In the past week, the rates of cases reported continued to rise for all age groups. Rates were highest among those in the 20 to 39-year-old age group, followed by the 0-19 and 80+ years old age groups.
- Among school-age children, rates of cases reported continued to be highest among 13 to 19-year-olds (high-school). The rate of reported cases has increased for all age groups over the past 3 weeks.
- No source was identified for 10% of the 704 non-institutionalized cases with episode dates during September 13 – September 26, 2020; these cases are considered community acquired.
- Females have a higher rate (449 per 100,000) of confirmed COVID-19 infections than males (366 per 100,000).
- Hospitalizations have increased. Fourteen new cases were hospitalized in the past week, more than double from the previous week. The number of cases admitted to the ICU has remained stable. A total of 317 (7%) Ottawa residents with confirmed COVID-19 have been hospitalized, including 74 (2%) who were admitted to the ICU.
- Seven deaths were reported in the past week, six of which were associated with a healthcare outbreak. There have been **287 deaths** in total.
- Eleven new outbreaks in healthcare settings was reported over the past week – a sharp increase compared to one reported the week before. There are 25 ongoing outbreaks in healthcare institutions.
- There were six new outbreaks in childcare establishments in the past week. There are 16 ongoing outbreaks in childcare establishments.
- There were 5 new outbreaks reported in Ottawa schools; a total of 9 school outbreaks are ongoing.



Cases

Change in number of new cases reported from the previous week: ▲ 30%

Figure 1a. Weekly cases and rates of confirmed COVID-19 among Ottawa residents



Notes:

1. Data on cases are from the COD as of 2:00 p.m. on September 29, 2020,
2. Case counts are presented by reported date. Counts from the latest week should be interpreted with caution due to potential lags in reporting.
3. Rates per 100,000 were calculated using Ottawa population projection data for 2020 from Ontario Ministry of Health, IntelliHEALTH Ontario, extracted on November 26, 2019.



Figure 1b. Weekly rates of confirmed COVID-19 cases among Ottawa residents, by age

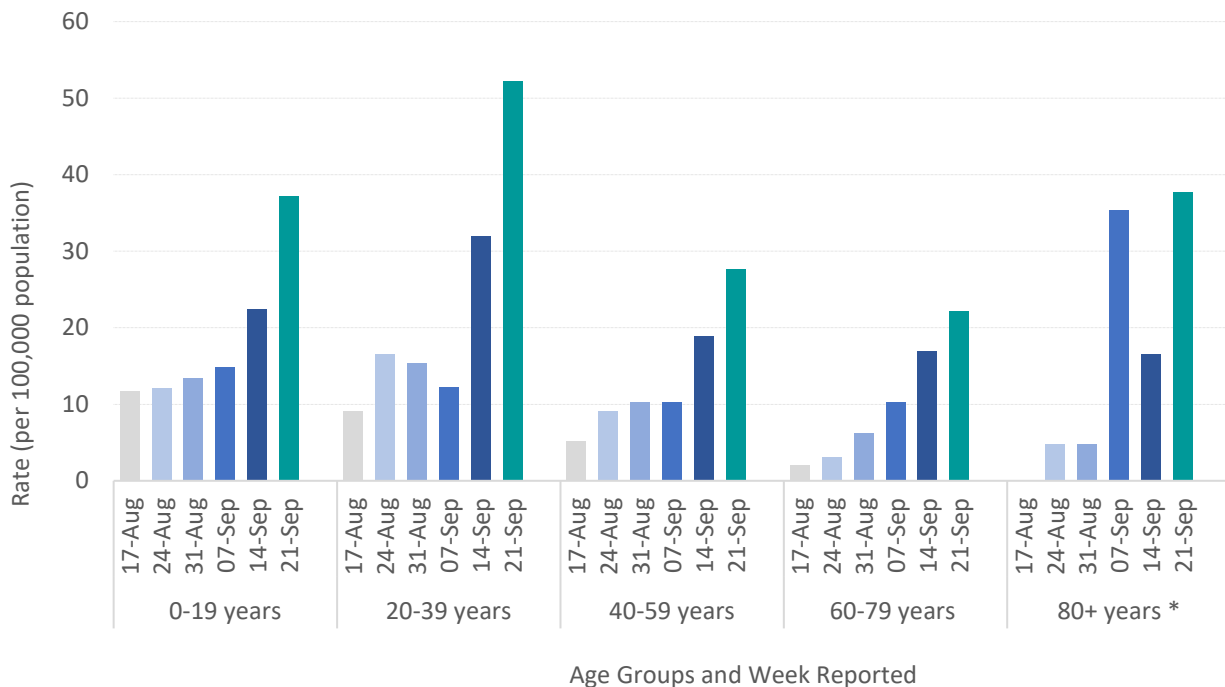
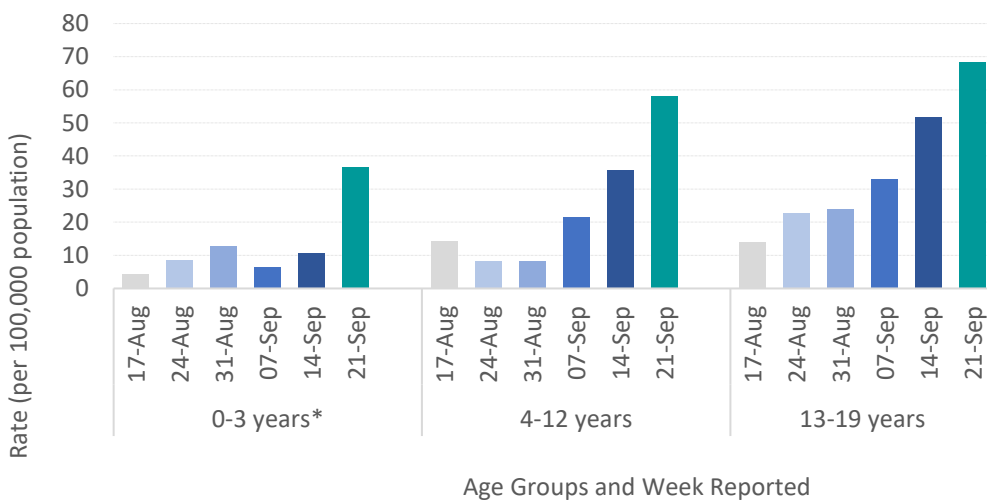


Figure 1c. Weekly rates of confirmed COVID-19 cases among Ottawa residents aged 0-19 years (n=349), by age group



Notes:

1. Data on cases are from the COD as of 2:00 p.m. on September 29, 2020,
2. Case counts are presented by reported date. Counts from the latest week should be interpreted with caution due to potential lags in reporting.
3. * Some rates are from counts less than 5; these rates may be unstable and should be interpreted with caution.
4. Rates per 100,000 were calculated using Ottawa population projection data for 2020 from Ontario Ministry of Health, IntelliHEALTH Ontario, extracted on November 26, 2019 for Figure 1b, and extracted June 6, 2018 for Figure 1c.



Figure 2a. Cumulative rates of confirmed COVID-19 cases among Ottawa residents (n= 4,322) by age group, all ages

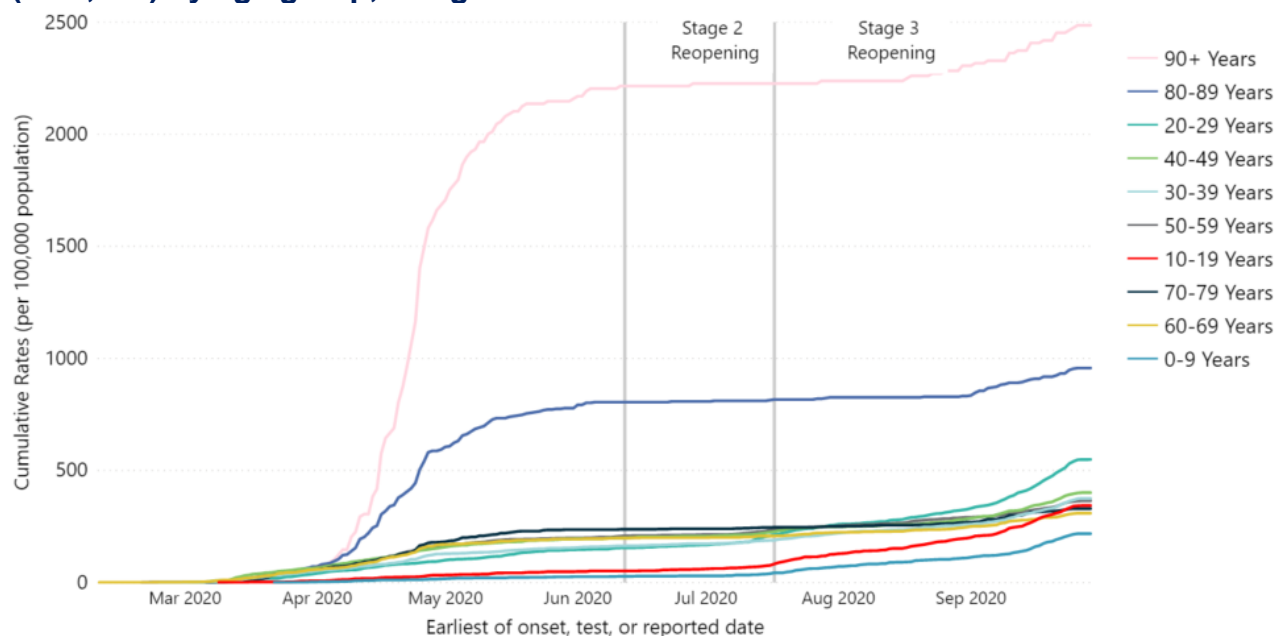
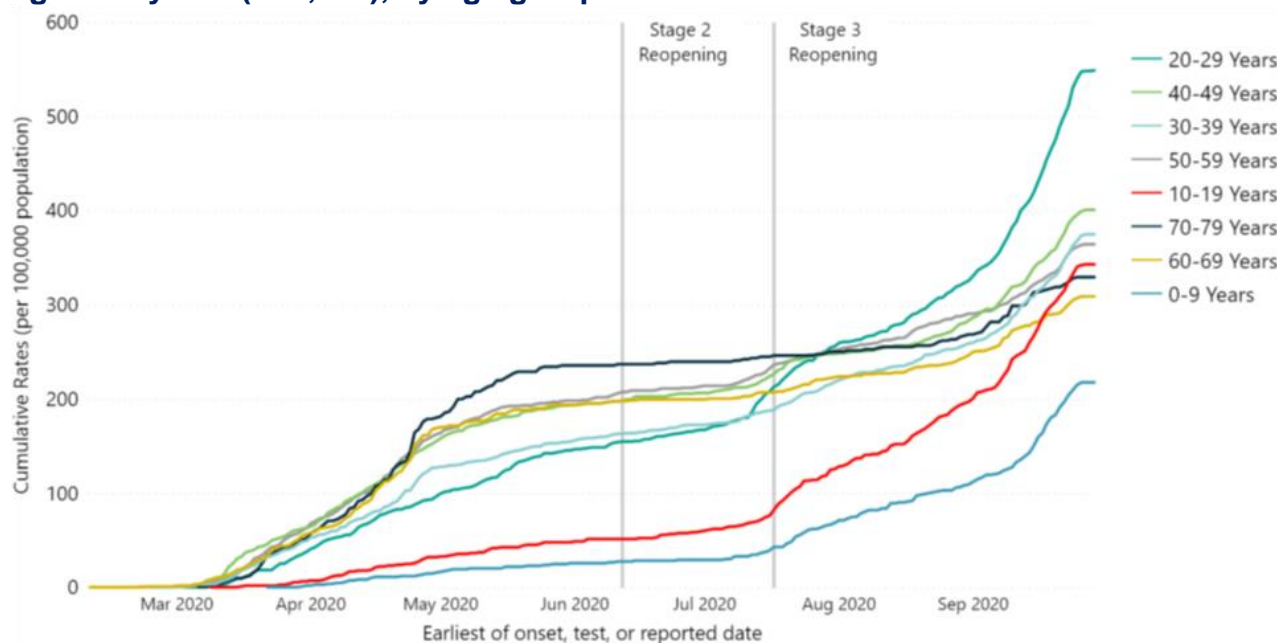


Figure 2b. Cumulative rates of confirmed COVID-19 cases among Ottawa residents age 0-79 years (n=3,781), by age group



Notes:

1. 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. June 23, 2020 version 8.0.
2. Rates per 100,000 were calculated using Ottawa population projection data for 2020 from Ontario Ministry of Health, IntelliHEALTH Ontario, extracted on November 26, 2019.



Table 1. Ottawa residents with confirmed COVID-19 (n= 4,322), by gender

Gender	Number of cases (%)	Rate (per 100,000 population)
Female	2,412 (56%)	449
Male	1,894 (44%)	366
Unknown	6	-

Notes:

1. Data on cases are from the COD as of 2:00 p.m. on September 29, 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. June 23, 2020 version 8.0.
3. Rates per 100,000 were calculated using Ottawa population projection data for 2020 from Ontario Ministry of Health, IntelliHEALTH Ontario, extracted on November 26, 2019.

Severity of Cases

Table 2. Age of Ottawa residents with confirmed COVID-19 that have been hospitalized (cumulative) and in intensive care (cumulative) (n=4,322)

Measure	Hospitalizations (% of cases within age group)	ICU Admissions (% of cases within age group)	Deaths (% of cases within age group)
Age Group			
0 to 9 years	0	0	0
10 to 19 years	1 (<1%)	1 (<1%)	0
20 to 29 years	6 (1%)	0	0
30 to 39 years	17 (3%)	4 (1%)	1 (<1%)
40 to 49 years	24 (4%)	7 (1%)	1 (<1%)
50 to 59 years	53 (10%)	20 (4%)	7 (1%)
60 to 69 years	71 (19%)	20 (5%)	24 (7%)
70 to 79 years	56 (22%)	14 (6%)	44 (18%)
80 to 89 years	58 (18%)	7 (2%)	115 (36%)
90+ years	31 (14%)	1 (<1%)	95 (44%)
Unknown	0	0	0
Median age	68 years	63 years	86 years
Total	317 (7%)	74 (2%)	287 (7%)

Notes:

1. Data are from the COD as of 2:00 p.m. on September 29, 2020.
2. This measure is intended to be an indicator of hospitalizations from new COVID-19 infections. Therefore, the data do not include hospitalizations for Ottawa residents with confirmed COVID-19 whose COVID-19 infection was deemed resolved and are subsequently hospitalized, due to sequelae (lingering effects) of COVID-19 or reasons other than COVID-19.
3. The percent of hospitalizations, ICU admissions, and deaths by age group uses the number of cases for each age group as the denominator.



Table 3. COVID-19 volume of Ottawa residents in Ottawa hospitals

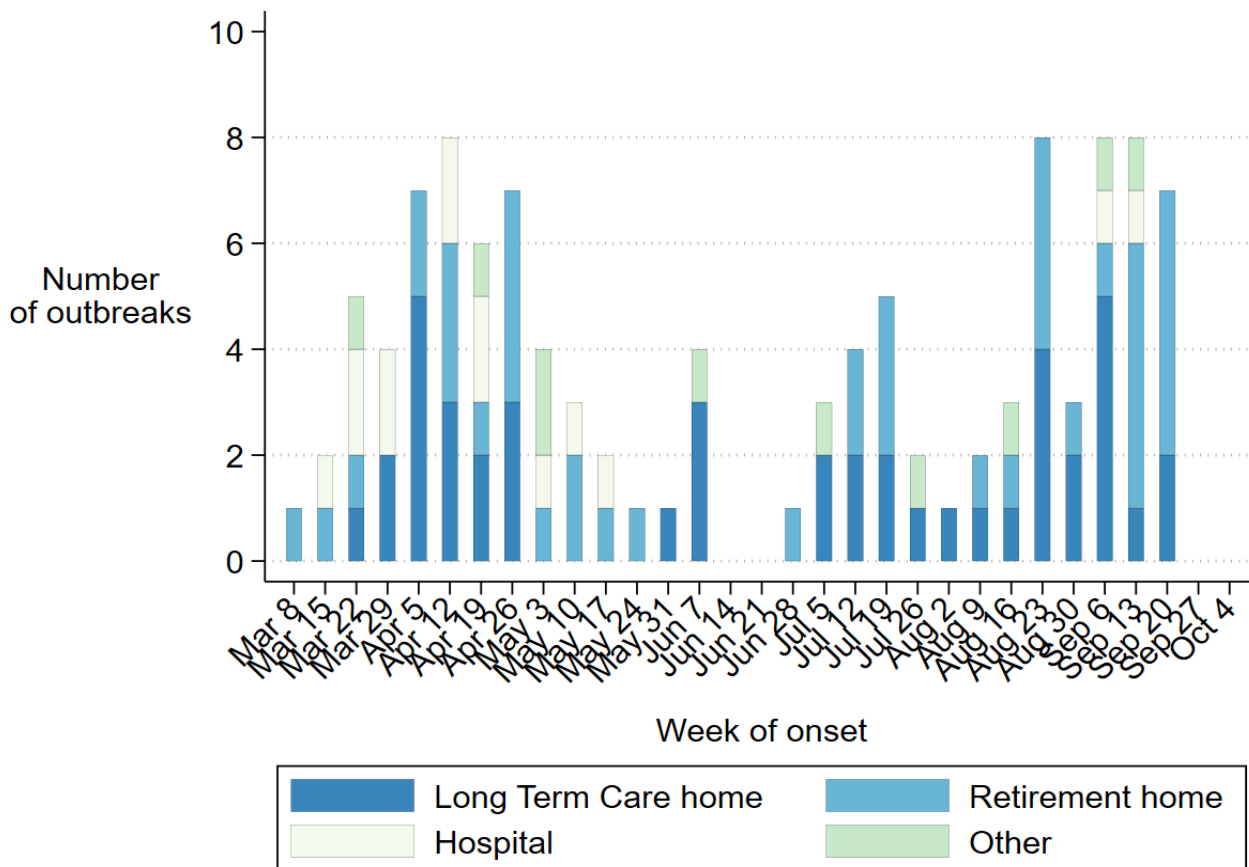
Measure	7-day median	30-day median
Currently hospitalized	21	13
Newly hospitalized*	2	2
Currently in intensive care	3	2

Notes:

1. Data are from the COD as of 2:00 p.m. on September 29, 2020.
2. Ottawa hospitals reporting inpatient data include The Children’s Hospital of Eastern Ontario, The Ottawa Hospital, Queensway Carleton Hospital, Hôpital Montfort, The University of Ottawa Heart Institute, The Royal Ottawa, and Bruyère Continuing Care.
3. Ottawa hospitals reporting intensive care data include The Children’s Hospital of Eastern Ontario, The Ottawa Hospital, Queensway Carleton Hospital, Hôpital Montfort and The University of Ottawa Heart Institute.
4. *Newly hospitalized refers to most current day for which data are available.

Outbreaks

Figure 3. Total number of COVID-19 outbreaks in Ottawa healthcare institutions⁴



Notes:

1. Data are from The COD as of 2:00 pm on September 29, 2020.
2. 86 outbreaks are closed and 24 are active in Ottawa healthcare institutions. Investigation and data entry are ongoing.
3. These outbreaks reflect the definitions at the time they were declared open.
4. Healthcare institutions include long-term care homes, retirement homes, public hospitals, and other institutions (e.g. group homes, shelters, assisted living).



Please use the following citation when referencing this document:

Ottawa Public Health. COVID-19 Epidemiology Weekly Supplement. September 30, 2020. Ottawa (ON): Ottawa Public Health; 2020.

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



Data Tables

Data table for Figure 1a (Weekly cases and rates of confirmed COVID-19 among Ottawa residents, by week)

Week reported	Cases	Rate (per 100,000 population)
9-Mar	13	1.2
16-Mar	23	2.2
23-Mar	106	10.1
30-Mar	251	23.8
6-Apr	219	20.8
13-Apr	270	25.6
20-Apr	331	31.4
27-Apr	298	28.3
4-May	152	14.4
11-May	123	11.7
18-May	97	9.2
25-May	66	6.3
1-Jun	50	4.7
8-Jun	32	3.0
15-Jun	23	2.2
22-Jun	30	2.8
29-Jun	32	3.0
6-Jul	44	4.2
13-Jul	93	8.8
20-Jul	193	18.3
27-Jul	112	10.6
3-Aug	95	9.0
10-Aug	73	6.9
17-Aug	113	10.7
24-Aug	121	11.5
31-Aug	134	12.7
7-Sep	241	22.9
14-Sep	381	36.1
21-Sep	496	47.0
Total	4,212	399.4

Data table for Figure 1b:(Weekly rates of confirmed COVID-19 among Ottawa residents, by age group)

Week reported	Age groups (years), Cases, and Rates (per 100,000 population)									
	0-19		20-39		40-59		60-79		80+	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
17-Aug	27	12.1	53	16.6	25	9.1	6	3.1	2	4.7
24-Aug	30	13.4	49	15.3	28	10.2	12	6.2	2	4.7
31-Aug	33	14.8	38	11.9	28	10.2	20	10.3	15	35.4
7-Sep	50	22.4	102	31.9	50	18.2	32	16.4	7	16.5
14-Sep	81	36.3	166	51.9	76	27.7	42	21.6	16	37.7
21-Sep	128	57.3	207	64.7	110	40.1	34	17.5	17	40.1



Data table for Figure 1c (Weekly rates of confirmed COVID-19 among Ottawa residents aged 0-9, by age group)

Week Reported	0-3 years		4-12 years		13-19 years	
	Cases	Rate	Cases	Rate	Cases	Rate
17-Aug	2	4.3	14	14.3	11	13.9
24-Aug	4	8.6	8	8.2	18	22.8
31-Aug	6	12.9	8	8.2	19	24.1
7-Sep	3	6.5	21	21.4	26	32.9
14-Sep	5	10.8	35	35.7	41	51.9
21-Sep	17	36.6	57	58.2	54	68.4

Data for Figures 2a and 2b are available on [Open Ottawa](#) (csv file).
 Data for Figure 3 are available on [Open Ottawa](#) (csv file).

