






## Ottawa Public Health Respiratory and Enteric Surveillance Report December 30, 2018 - January 5, 2019 (Week 1)

This report provides a overview of the current Influenza season in the City of Ottawa, Ontario. For information on the current influenza season across Ontario see the [Ontario Respiratory Pathogen Bulletin](#), and for Canada see the [FluWatch report](#). Regional syndromic surveillance data on Influenza like Illness (ILI), including hospital admissions and emergency department visits, can be accessed through [ILI mapper](#). Information on past Influenza seasons in the City of Ottawa is available at [www.OttawaPublicHealth.ca/FluReport](http://www.OttawaPublicHealth.ca/FluReport).


**Table 1a: Ottawa Respiratory Activity Highlights**

Data Source	Activity Level Compared To Previous Week	Details
<b>Lab-confirmed cases of influenza<sup>1</sup> (2018-2019 season to date)</b>	Higher than last week. 	103 cases have been reported since Sept 1st; 97 (94.2%) were influenza A, 5 (4.9%) were influenza B, and 1 (1.0%) was influenza A & B. 7 of the influenza A cases were subtyped as H3, 1 as H3N2 and 3 as H1N1.  The median age of cases is 62 years.
<b>Influenza percent positivity<sup>2</sup> (week 1)</b>	Higher than last week. 	The percent positivity of all respiratory samples tested for influenza is 14.5%.
<b>Influenza related mortality<sup>1</sup> (2018-2019 season to date)</b>	Similar to last week. 	OPH is aware of 2 influenza-related deaths this season, both among persons aged 65 years and older.
<b>Respiratory outbreaks in institutions and public hospitals<sup>1</sup> (2018-2019 season to date)</b>	Higher than last week. 	1 new influenza outbreak and 7 non-influenza respiratory outbreak reported this week, for a total of 2 ongoing influenza outbreaks and 11 ongoing non-influenza respiratory outbreaks.  4 influenza A outbreak, and 30 non-influenza respiratory outbreaks reported in Ottawa since September 1, 2018.

**Table 1b: Ottawa Gastroenteritis Activity Highlights<sup>1</sup>**

Data Source	Activity Level Compared To Previous Week	Details
<b>Gastroenteritis outbreaks in institutions and public hospitals</b> (2018-2019 season to date)	Higher than last week. 	2 new enteric outbreaks reported this week, for a total of 2 ongoing enteric outbreaks. 8 enteric outbreaks reported in Ottawa since September 1, 2018.

**Table 1c: Ottawa Clostridium Difficile Infection (CDI) Outbreaks in Public Hospital Highlights<sup>1</sup>**

Data Source	Activity Level Compared To Previous Week	Details
<b>Clostridium difficile infection (CDI) outbreaks in public hospitals</b> (2018-2019 season to date)	Similar to last week. 	0 new CDI outbreaks reported this week, for a total of 0 ongoing CDI outbreaks. 0 CDI outbreaks reported in Ottawa since September 1, 2018.

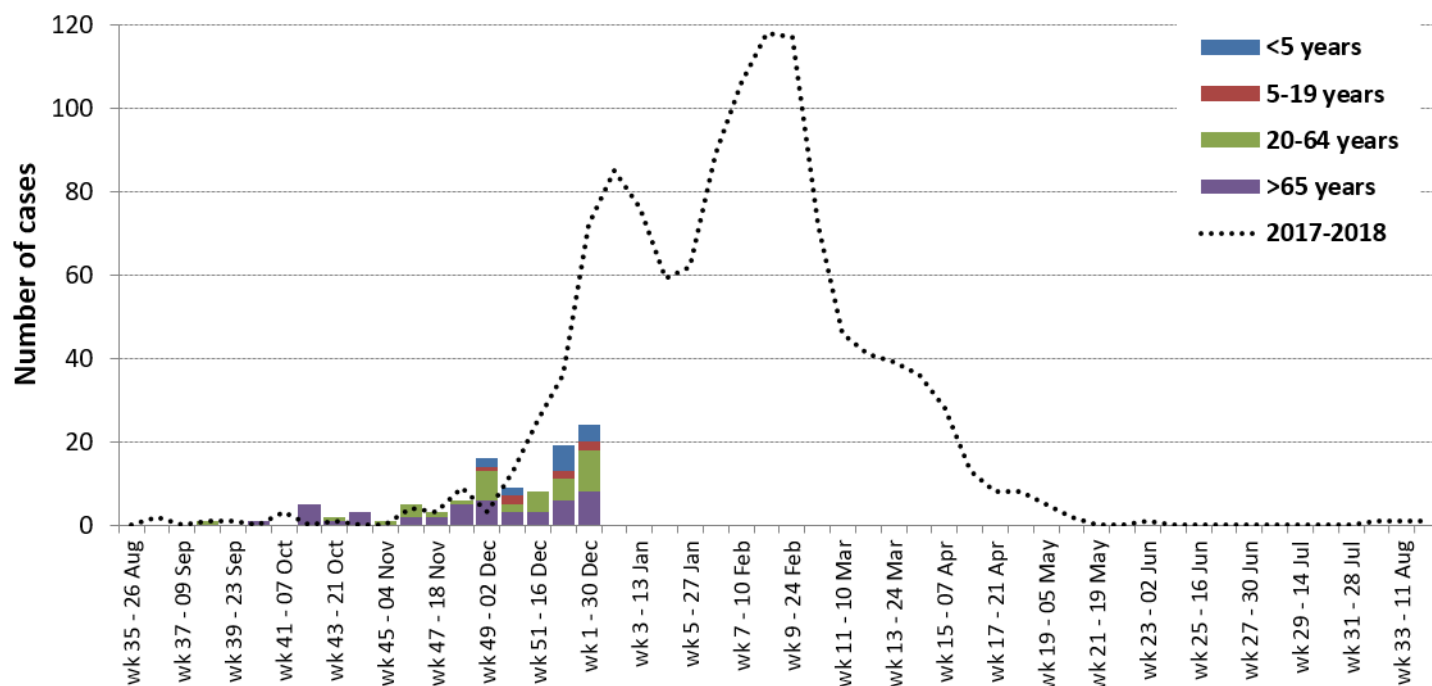
Ottawa data presented in this issue of the report are for Week 1 of the current 2018-2019 influenza season, and data extraction occurred on 8 JANUARY 2019 at 12 noon, unless otherwise stated. Furthermore, this report is based on data and information available at the time of report preparation, and may vary in previous or subsequent reports.

## 1. Lab-confirmed Influenza cases by age category<sup>1</sup>

**Table 2:** Summary of lab-confirmed cases of influenza, diagnosed in Ottawa, 2018-2019 season to date, by age category

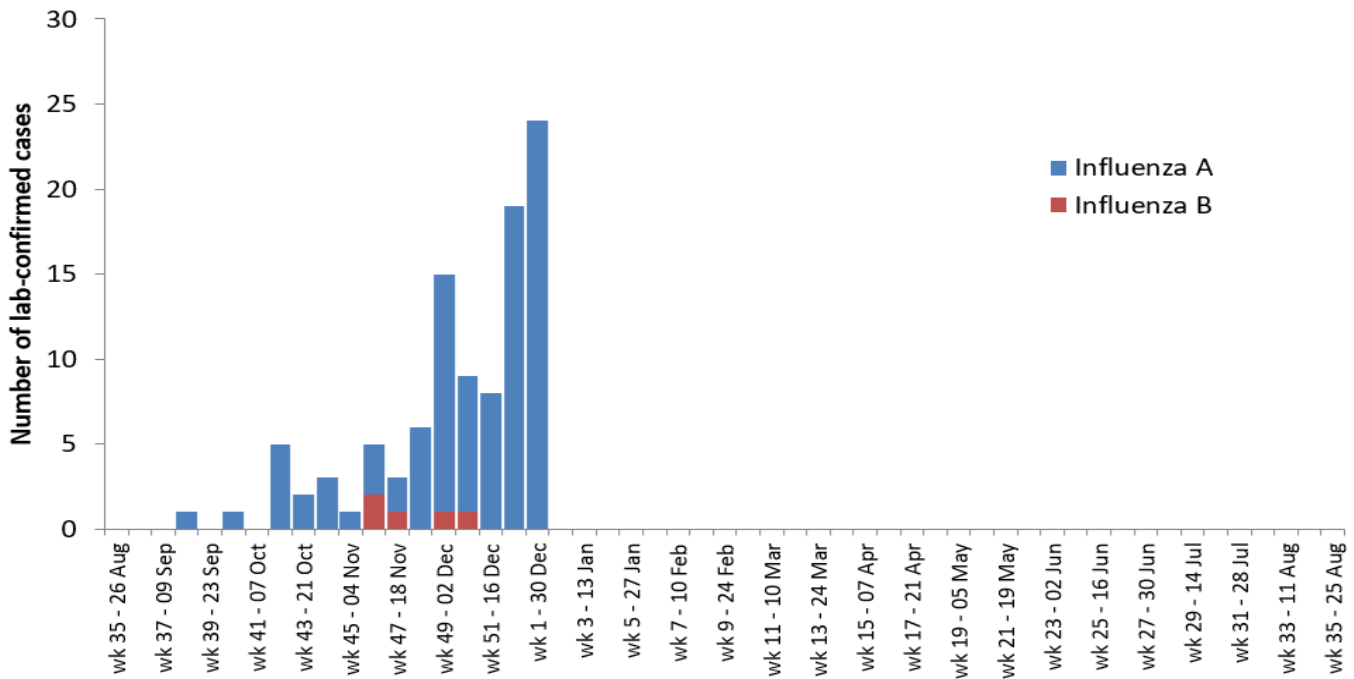
Age (years)	2018-2019 Season to date	Proportion of total lab-confirmed cases (%)	Incidence (per 100,000)
Less than 1	3	2.9%	26.6
1 to 4	11	10.7%	25.5
5 to 19	7	6.8%	4.3
20 to 64	37	35.9%	5.8
65+	45	43.7%	28.6
<b>Total influenza cases</b>	<b>103</b>		<b>10.1</b>

**Figure 1:** Number of laboratory-confirmed influenza cases reported by week of symptom onset and age group, diagnosed in Ottawa, 2018-2019 season to date and last season



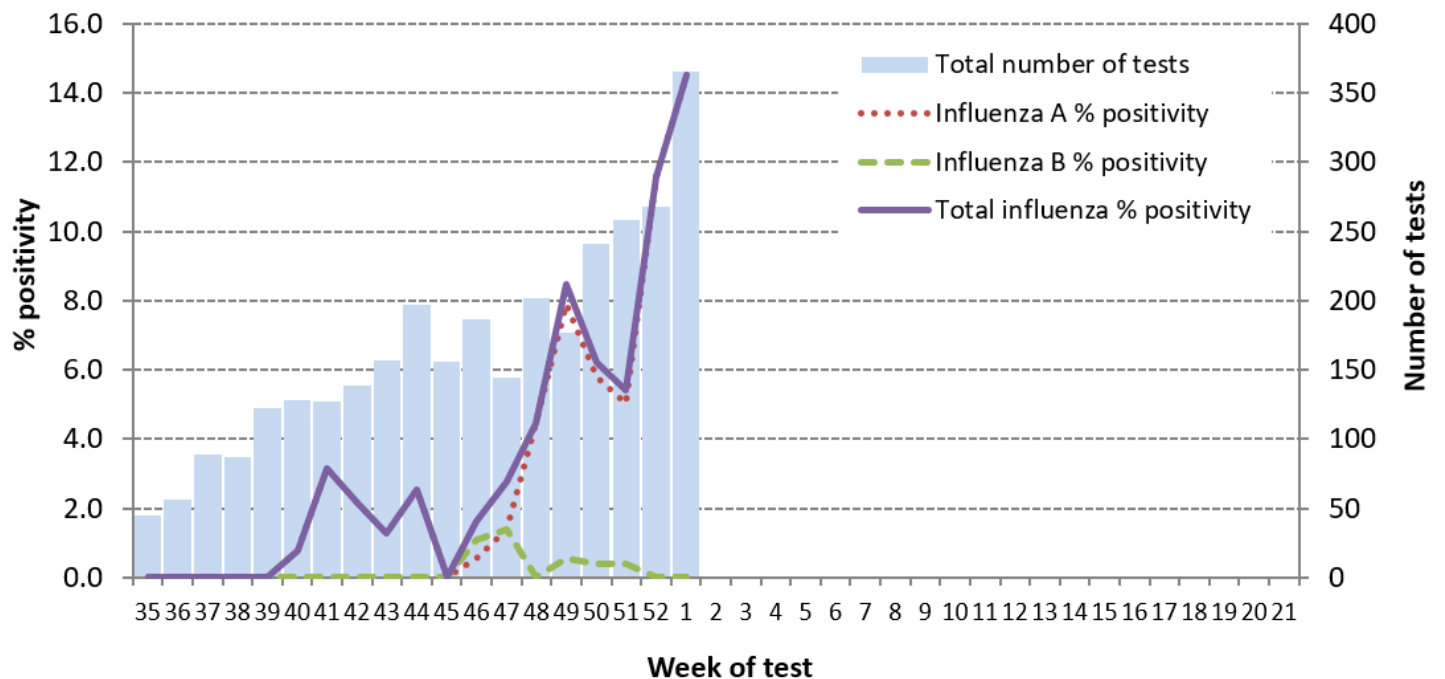
## 2. Lab-confirmed influenza cases by influenza type<sup>1</sup>

**Figure 2:** Number of laboratory-confirmed influenza cases reported by week of symptom onset and influenza type, diagnosed in Ottawa, 2018-2019 season to date.



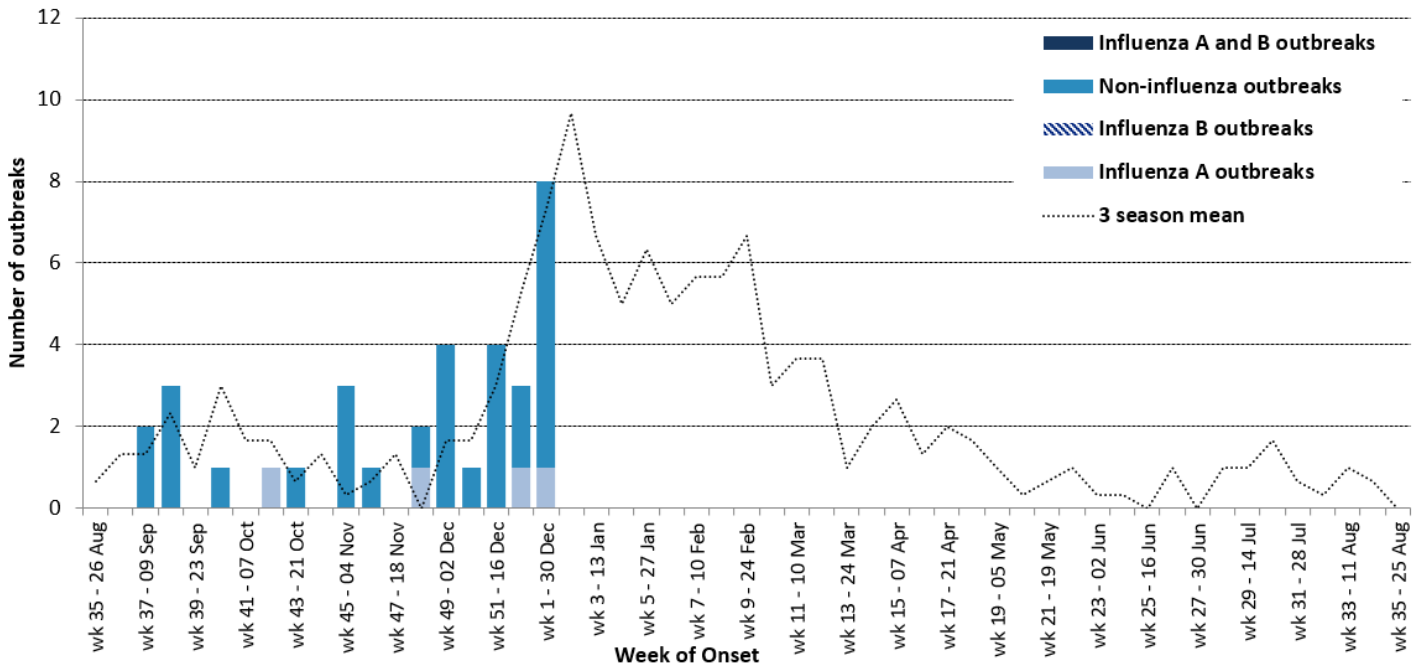
## 3. Percent of respiratory specimens that tested positive for Influenza<sup>2</sup>

**Figure 3:** Percent and number of nasopharyngeal specimens that tested positive for influenza in Ottawa, 2018-2019 season to week 1, by influenza type



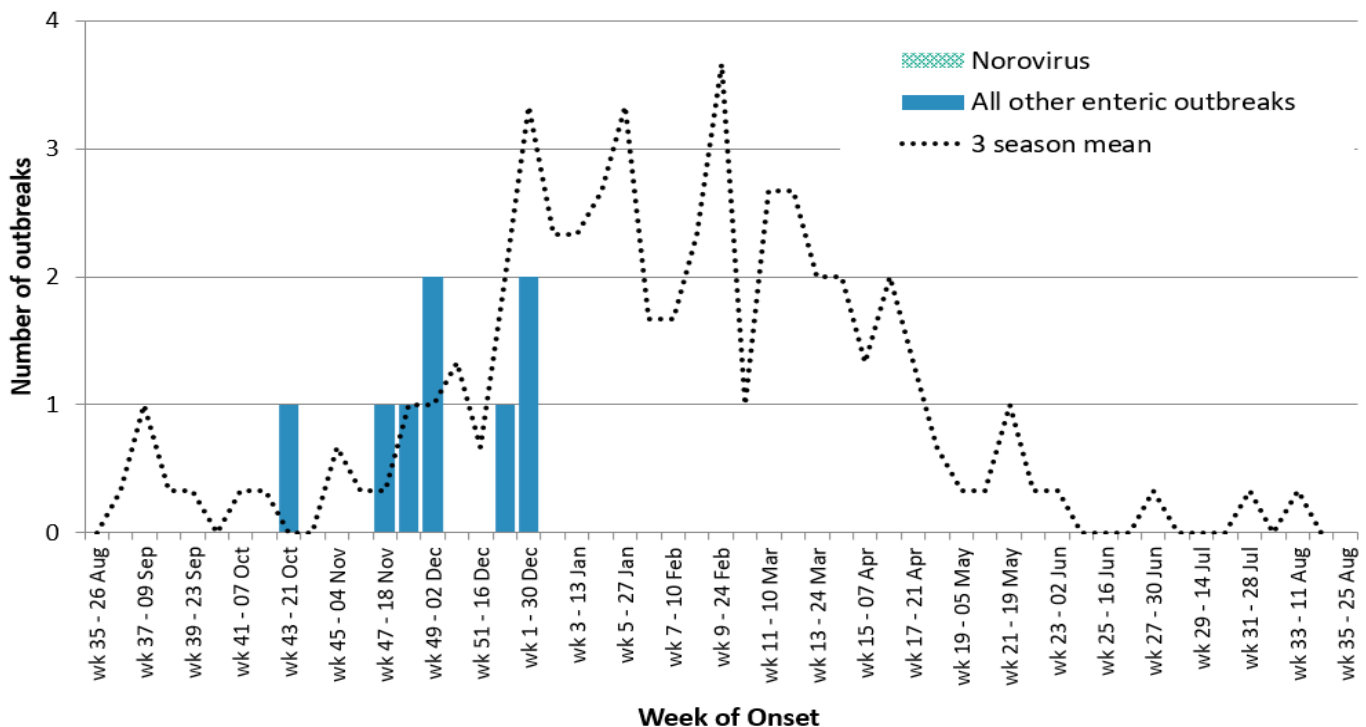
## 4. Respiratory Outbreaks in Institutions and Public Hospitals<sup>1</sup>

**Figure 4:** Respiratory outbreaks in institutions (i.e., long-term care homes, retirement homes) and public hospitals, reported in Ottawa, 2018-2019 season to date, and previous three-season average



## 5. Gastroenteritis Outbreaks in Institutions and Public Hospitals<sup>1</sup>

**Figure 5:** Gastroenteritis outbreaks in institutions (i.e., long-term care homes, retirement homes) and public hospitals, reported in Ottawa, 2018-2019 season to date, and previous three-season average



## Data Sources and Notes:

1. Data reported to Ottawa Public Health, as recorded in integrated Public Health Information System (iPHIS), Ontario Ministry of Health and Long-Term Care (MOHLTC). Season to date data include data reported between September 1, 2018 (Week 35, 2018) and the current reporting week.

Note: *Health Protection and Promotion Act*, R.S.O. 1990 (HPPA) and the Ontario Public Health Standards: Requirements for Programs, Services, and Accountability does not require deaths among lab-confirmed cases of seasonal influenza to be reported to the local board of health. Therefore the number of deaths among lab-confirmed cases of influenza cases reported in this report only represent deaths Ottawa Public health has been made aware of at the time of report preparation.

2. Percent-positivity among viral respiratory specimens tested by Eastern Ontario Regional Laboratory Association (current reporting week) and Public Health Ontario Laboratories (previous reporting week).

Note: Additional information on respiratory viral pathogen detections among select laboratories in Canada can be accessed using [Centre for Immunization and Respiratory Infectious Diseases \(CIRID\)](#), Public Health Agency of Canada data sources

## Data tables

**Table for Figure 1:** Number of reported laboratory-confirmed influenza cases by symptom onset week and age category, diagnosed in Ottawa, 2018-2019 season to date and last season

Week	<5 years	5-19 years	20-64 years	>65 years	2017-2018
35	0	0	0	0	0
36	0	0	0	0	2
37	0	0	0	0	0
38	0	0	1	0	1
39	0	0	0	0	1
40	0	0	0	1	0
41	0	0	0	0	3
42	0	0	0	5	0
43	0	0	1	1	1
44	0	0	0	3	0
45	0	0	1	0	0
46	0	0	3	2	4
47	0	0	1	2	3
48	0	0	1	5	9
49	2	1	7	6	3
50	2	2	2	3	13
51	0	0	5	3	25
52	6	2	5	6	36
1	4	2	10	8	72
2					85
3					76
4					59
5					62
6					89
7					106
8					118
9					117

<b>Week</b>	<b>&lt;5 years</b>	<b>5-19 years</b>	<b>20-64 years</b>	<b>&gt;65 years</b>	<b>2017-2018</b>
10					72
11					46
12					41
13					39
14					36
15					28
16					13
17					8
18					8
19					5
20					2
21					0
22					0
23					1
24					0
25					0
26					0
27					0
28					0
29					0
30					0
31					0
32					1
33					1
34					1



**Table for Figure 2:** Number of laboratory-confirmed influenza cases reported by week of symptom onset and influenza type, diagnosed in Ottawa, 2018-2019 season to date.

<b>Week</b>	<b>Influenza A</b>	<b>Influenza B</b>
35	0	0
36	0	0
37	0	0
38	1	0
39	0	0
40	1	0
41	0	0
42	5	0
43	2	0
44	3	0
45	1	0
46	3	2
47	2	1
48	6	0
49	14	1
50	8	1
51	8	0
52	19	0
1	24	0
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		

Week	Influenza A	Influenza B
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		

**Table for Figure 3:** Percent and number of naso-pharyngeal specimens submitted for laboratory testing that tested positive for influenza in Ottawa, 2018-2019 season to week 1, by influenza type.

Week	Total number of tests	Influenza A % positivity	Influenza B % positivity	Total Influenza % positivity
35	45	0.0	0.0	0.0
36	56	0.0	0.0	0.0
37	89	0.0	0.0	0.0
38	87	0.0	0.0	0.0

<b>Week</b>	<b>Total number of tests</b>	<b>Influenza A % positivity</b>	<b>Influenza B % positivity</b>	<b>Total Influenza % positivity</b>
39	122	0.0	0.0	0.0
40	128	0.8	0.0	0.8
41	127	3.1	0.0	3.1
42	139	2.2	0.0	2.2
43	157	1.3	0.0	1.3
44	197	2.5	0.0	2.5
45	156	0.0	0.0	0.0
46	186	0.5	1.1	1.6
47	144	1.4	1.4	2.8
48	202	4.5	0.0	4.5
49	177	7.9	0.6	8.5
50	241	5.8	0.4	6.2
51	258	5.0	0.4	5.4
52	268	11.6	0.0	11.6
1	365	14.5	0.0	14.5
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				

Week	Total number of tests	Influenza A % positivity	Influenza B % positivity	Total Influenza % positivity
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				

**Table for Figure 4:** Respiratory outbreaks in institutions (e.g., long-term care homes, retirement homes) and public hospitals, reported in Ottawa, 2018-2019 season to date, and previous three-season average

Week	Non-influenza outbreaks	Influenza A outbreaks	Influenza B outbreaks	Influenza A & B outbreaks	3 season mean
35	0	0	0	0	0.7
36	0	0	0	0	1.3
37	2	0	0	0	1.3
38	3	0	0	0	2.3
39	0	0	0	0	1.0
40	1	0	0	0	3.0
41	0	0	0	0	1.7
42	0	1	0	0	1.7

<b>Week</b>	<b>Non-influenza outbreaks</b>	<b>Influenza A outbreaks</b>	<b>Influenza B outbreaks</b>	<b>Influenza A &amp; B outbreaks</b>	<b>3 season mean</b>
43	1	0	0	0	0.7
44	0	0	0	0	1.3
45	3	0	0	0	0.3
46	1	0	0	0	0.7
47	0	0	0	0	1.3
48	1	1	0	0	0.0
49	4	0	0	0	1.7
50	1	0	0	0	1.7
51	4	0	0	0	3.0
52	2	1	0	0	5.3
1	7	1	0	0	7.3
2					9.7
3					6.7
4					5.0
5					6.3
6					5.0
7					5.7
8					5.7
9					6.7
10					3.0
11					3.7
12					3.7
13					1.0
14					2.0
15					2.7
16					1.3
17					2.0
18					1.7
19					1.0
20					0.3

Week	Non-influenza outbreaks	Influenza A outbreaks	Influenza B outbreaks	Influenza A & B outbreaks	3 season mean
21					0.7
22					1.0
23					0.3
24					0.3
25					0.0
26					0.7
27					0.0
28					1.0
29					1.0
30					1.7
31					0.7
32					0.3
33					0.7
34					0.0

**Table for Figure 5:** Gastroenteritis outbreaks in institutions and public hospitals, reported in Ottawa, 2018-2019 season to date, and previous three-season average

Week	Norovirus	All other enteric outbreaks	3 season mean
35	0	0	0.0
36	0	0	0.3
37	0	0	1.0
38	0	0	0.3
39	0	0	0.3
40	0	0	0.0
41	0	0	0.3
42	0	0	0.3
43	0	1	0.0
44	0	0	0.0

<b>Week</b>	<b>Norovirus</b>	<b>All other enteric outbreaks</b>	<b>3 season mean</b>
45	0	0	0.7
46	0	0	0.3
47	0	1	0.3
48	0	1	1.0
49	0	2	1.0
50	0	0	1.3
51	0	0	0.7
52	0	1	2.0
1	0	2	3.3
2			2.3
3			2.3
4			2.7
5			3.3
6			1.7
7			1.7
8			2.3
9			3.7
10			1.0
11			2.7
12			2.7
13			2.0
14			2.0
15			1.3
16			2.0
17			1.3

<b>Week</b>	<b>Norovirus</b>	<b>All other enteric outbreaks</b>	<b>3 season mean</b>
18			0.7
19			0.3
20			0.3
21			1.0
22			0.3
23			0.3
24			0.0
25			0.0
26			0.0
27			0.3
28			0.0
29			0.0
30			0.0
31			0.3
32			0.0
33			0.3
34			0.0