

## IN SUMMARY...

<b>Activity levels**</b>
<ul style="list-style-type: none"> <li>• Central, Eastern, Northern and Western Zones are all reporting localized activity.</li> <li>• There were 11 new influenza outbreaks reported for this week.</li> </ul>
<b>Laboratory-confirmed cases***</b>
<ul style="list-style-type: none"> <li>• There were 40 influenza A cases and 25 influenza B cases reported this week. There have been 381 laboratory confirmed cases of Influenza A and 176 laboratory confirmed cases of influenza B reported during the 2017-2018 influenza season.</li> <li>• Positive test results were received for bocavirus, rhinovirus and RSV.</li> </ul>
<b>Severity</b>
<ul style="list-style-type: none"> <li>• There have been 29 ICU admissions and 29 influenza deaths*** of laboratory confirmed influenza during the 2017-2018 influenza season.</li> </ul>
<b>Syndromic surveillance</b>
<ul style="list-style-type: none"> <li>• The average ILI rate for Nova Scotia during this reporting period was 1.3.</li> <li>• <b>77%</b> of emergency rooms reported ILI data during this reporting period.</li> </ul>

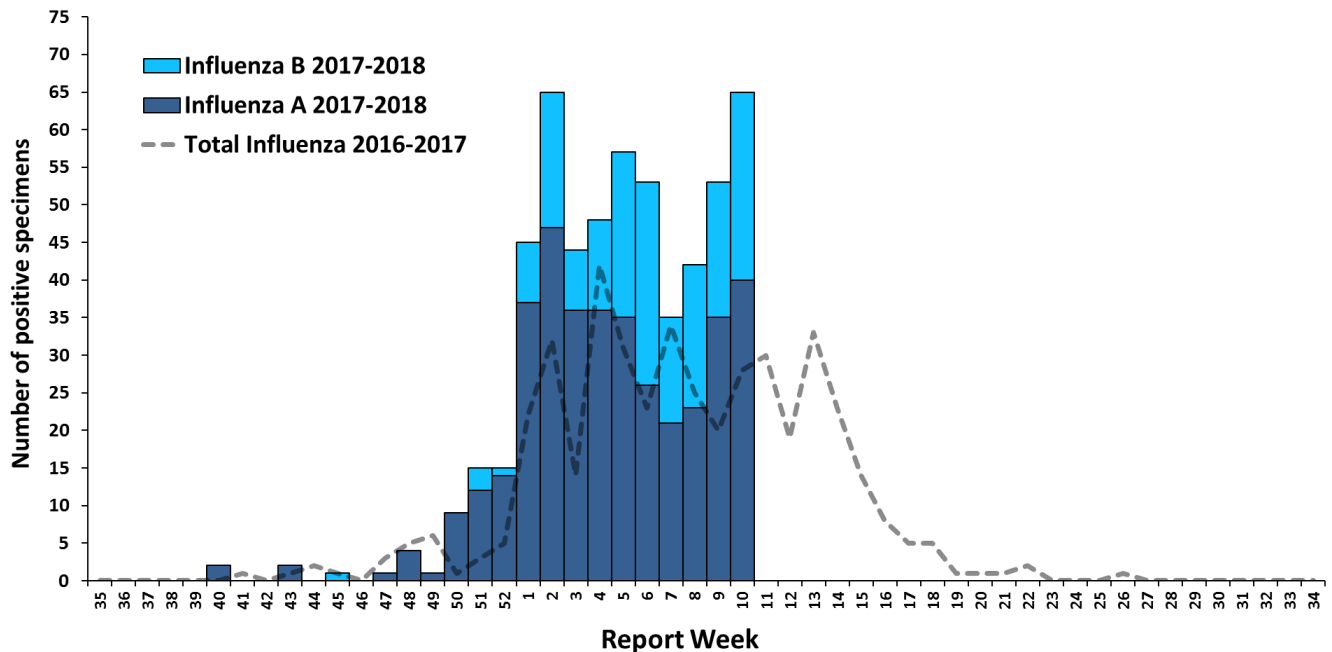
**Notes:** \*Reporting weeks run from Sunday to Saturday. The 2017-2018 influenza season is defined using PHAC's influenza surveillance weeks. This year runs from August 27, 2017 (Week 35) to August 25, 2018 (Week 34);

\*\*Activity level data is obtained from CNPHI, see appendix for definitions;

\*\*\*Deaths include individuals with a positive influenza test result, influenza may not have been the major contributing cause of death or hospitalization.

## LABORATORY-CONFIRMED INFLUENZA CASES

**Figure 1: Number of laboratory confirmed influenza cases by report week, 2017-2018 season, with trend-line comparison to 2016-2017 season, Nova Scotia**



**Table 1: Number of laboratory-confirmed influenza cases by zone, current week and cumulative 2017-2018 season in Nova Scotia**

ZONE	CURRENT WEEK			CUMULATIVE 2017-2018		
	TOTAL	INFLUENZA A	INFLUENZA B	TOTAL	INFLUENZA A	INFLUENZA B
Western	12	6	6	113	85	28
Northern	11	1	10	43	17	26
Eastern	14	11	3	196	135	61
Central	28	22	6	205	144	61
<b>Nova Scotia Total</b>	<b>65</b>	<b>40</b>	<b>25</b>	<b>557</b>	<b>381</b>	<b>176</b>

**Table 2: Number of laboratory-confirmed influenza cases by age group, current week and cumulative 2017-2018 season in Nova Scotia**

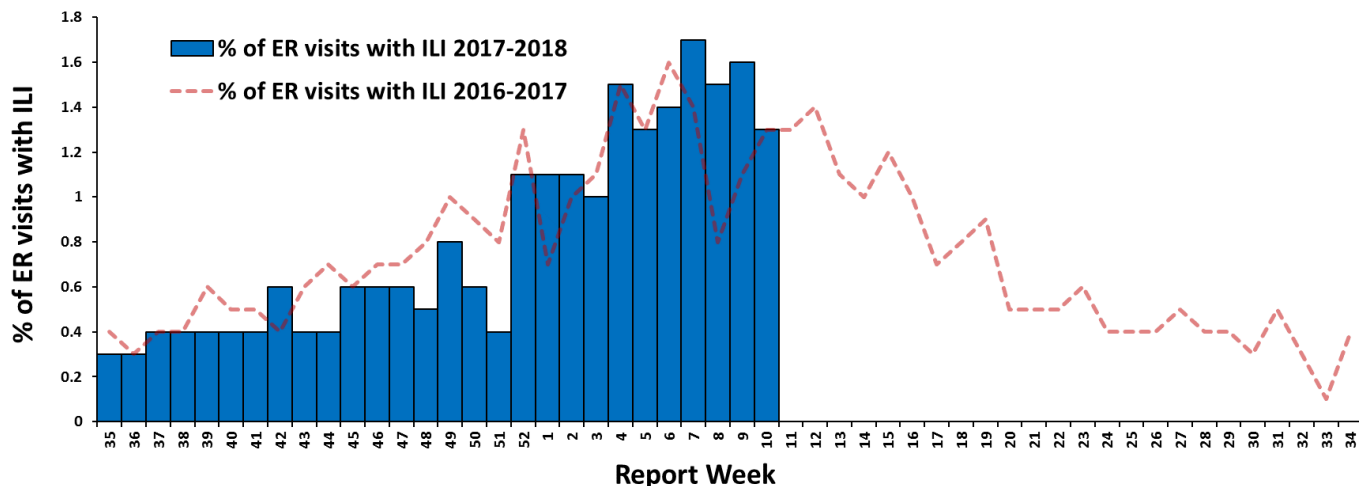
AGE	CURRENT WEEK			CUMULATIVE 2017-2018		
	TOTAL	INFLUENZA A	INFLUENZA B	TOTAL	INFLUENZA A	INFLUENZA B
0-4	7	4	3	28	14	14
5-19	12	3	9	38	12	26
20-44	5	2	3	32	17	15
45-64	11	9	2	82	59	23
65+	30	22	8	377	279	98
<b>Nova Scotia Total</b>	<b>65</b>	<b>40</b>	<b>25</b>	<b>557</b>	<b>381</b>	<b>176</b>

**Table 3: Hospitalizations, ICU admissions and deaths for influenza positive patients, current week and cumulative, 2017-2018 season, Nova Scotia**

	CURRENT WEEK			CUMULATIVE 2017-2018		
	TOTAL	INFLUENZA A	INFLUENZA B	TOTAL	INFLUENZA A	INFLUENZA B
Hospitalized	24	17	7	316	231	85
Hospitalized - ICU	1	0	1	29	20	9
Deceased*	0	0	0	29	23	6
<b>Nova Scotia Total</b>	<b>25</b>	<b>17</b>	<b>8</b>	<b>374</b>	<b>274</b>	<b>100</b>

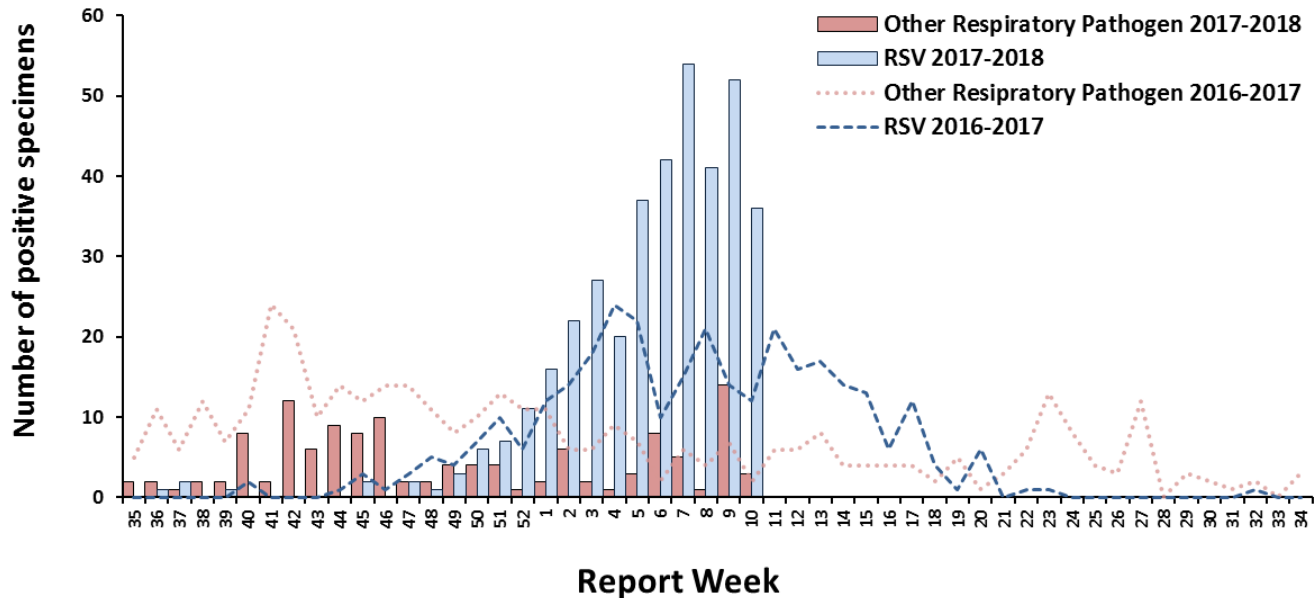
## SYNDROMIC SURVEILLANCE

**Figure 2: Percentage of emergency room visits due to ILI by report week, 2017-2018 season, with trend-line comparison to 2016-2017 season, Nova Scotia**



## OTHER RESPIRATORY PATHOGENS

**Figure 3: Number of positive specimens tested for other respiratory pathogens\* and RSV by report week, 2017-2018 season, with trend-line comparison to 2016-2017 season, Nova Scotia**



\* Other respiratory pathogen includes Adenovirus, Bocavirus, Chlamydomphila pneumonia, Coronavirus, Enterovirus, Metapneumovirus, Mycoplasma pneumoniae, Parainfluenza, Pertussis, Rhinovirus.  
Note that data for this figure is obtained from provincial laboratories.

**Table 4: Number of positive RSV specimens by age group, 2017-2018 season, Nova Scotia**

AGE GROUP	2017-2018
0-5 months	99
6-11 months	21
12-23 months	43
2-5 years	30
6-15 years	5
16-65 years	50
65+ years	134
<b>Nova Scotia Total</b>	<b>382</b>

**Table 5: Number of positive specimens tested for other respiratory pathogens, current report week and cumulative season, Nova Scotia, 2017–2018**

PATHOGEN	CURRENT WEEK (n positive)	CUMULATIVE 2017-2018
Adenovirus	0	5
Bocavirus	1	4
Chlamydophila pneumoniae	0	3
Coronavirus	0	13
Enterovirus	0	1
Metapneumovirus	0	12
Mycoplasma pneumoniae	0	19
Parainfluenza	0	9
Pertussis	0	1
Respiratory Syncytial Virus	36	383
Rhinovirus	2	59

## APPENDIX: DEFINITIONS USED IN INFLUENZA SURVEILLANCE, AND USEFUL LINKS, 2017-2018

### ACRONYM LIST

**CNPHI** Canadian Network for Public Health Intelligence

**ICU** Intensive care unit

**ILI** Influenza-like illness

**RSV** Respiratory syncytial virus

### MANAGEMENT ZONES

**Zone 1** – Western

**Zone 2** – Northern

**Zone 3** – Eastern

**Zone 4** – Central

### ILI CASE DEFINITION

Acute onset of respiratory illness with fever and cough and with one or more of the following – sore throat, arthralgia, myalgia or prostration which is likely due to influenza. In children under 5, gastrointestinal symptoms may also be present. In patients under 5 or 65 and older, fever may not be prominent.

### NATIONAL FLUWATCH DEFINITIONS FOR INFLUENZA ACTIVITY LEVELS

<b>No activity</b>	No laboratory-confirmed influenza detections in the reporting week, however, sporadically occurring ILI* may be reported
<b>Sporadic</b>	Sporadically occurring ILI* and lab confirmed influenza detection(s) with <b>no outbreaks</b> detected within the influenza surveillance region
<b>Localized</b>	(1) Evidence of increased ILI* and (2) lab confirmed influenza detection(s) together with (3) outbreaks occurring in schools, hospitals, residential institutions and/or other types of facilities occurring in less than 50% of the influenza surveillance region
<b>Widespread</b>	(1) Evidence of increased ILI* and (2) lab confirmed influenza detection(s) together with (3) outbreaks occurring in schools, hospitals, residential institutions and/or other types of facilities occurring in greater than or equal to 50% of the influenza surveillance region

### LINKS TO OTHER WEEKLY INFLUENZA REPORTING BODIES

Canada: <http://www.phac-aspc.gc.ca/fluwatch/>

World: [https://www.who.int/influenza/surveillance\\_monitoring/updates/latest\\_update\\_GIP\\_surveillance/en/index.html](https://www.who.int/influenza/surveillance_monitoring/updates/latest_update_GIP_surveillance/en/index.html)

US: [www.cdc.gov/flu/weekly](http://www.cdc.gov/flu/weekly)