

Week 1, January 1– January 7, 2017

Department of Health and Community Services
Government of Newfoundland and Labrador



Respiratory Weekly

Summary of Seasonal Activity (August 28, 2016 to August 26, 2017)

- ⇒ Three laboratory-confirmed cases of influenza were reported in week 1 (Table 1).
- ⇒ As of January 7, 2017, there have been 34 (30A, 4B) lab-confirmed cases of influenza, three hospitalizations and one ICU admission. Laboratory detections of influenza remain below seasonal levels (Figure 1).
- ⇒ Influenza activity continues to increase across Canada. Influenza A(H3N2) remains the most common subtype detected to date.
- ⇒ Cases have been reported in all regional health authorities (Figure 2).
- ⇒ Half (17 of 34) of confirmed cases were 19 years of age and under (Figure 3).
- ⇒ No confirmed influenza outbreaks have been reported in NL so far this season (Figure 4).
- ⇒ Other respiratory viruses circulating in week 1 include RSV, entero/rhinovirus, adenovirus, human metapneumovirus (hMPV) and parainfluenza virus (Table 3).
- ⇒ Symptomatic respiratory HealthLine calls have increased this week (Figure 6).

Laboratory-Confirmed Cases

Table 1: Number of positive influenza cases in NL, by severity, week 1, 2016-2017 season

	Cases	Hospitalizations	ICU Admissions	Deaths
Week 1	3	0	0	0
Total	34	3	1	0

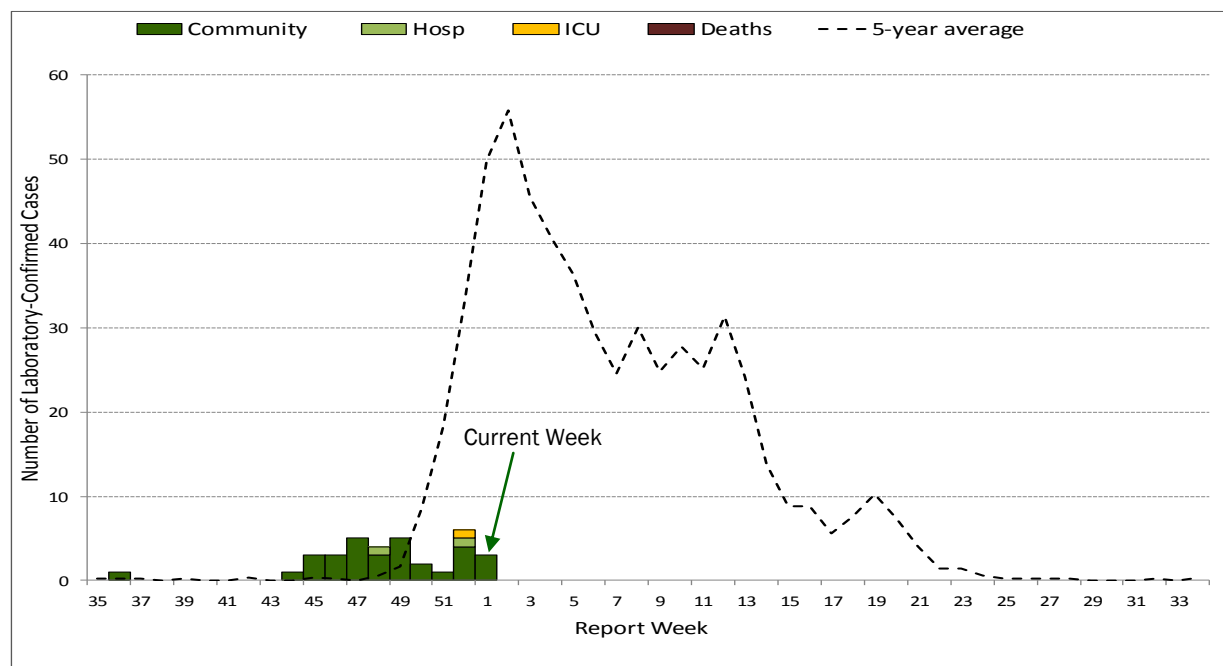


Figure 1: Number of cases, hospitalizations, ICU admissions and deaths, by week virus identified, 2016-2017

Influenza by type, RHA

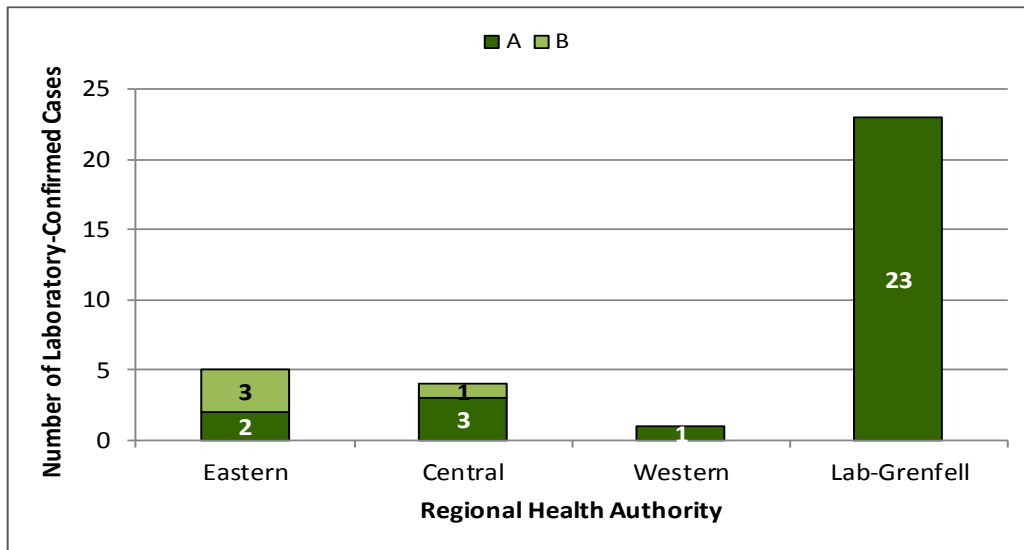


Figure 2: Total number of laboratory-confirmed influenza A and B, by Regional Health Authority, 2016-2017

Influenza by age group (n=34)

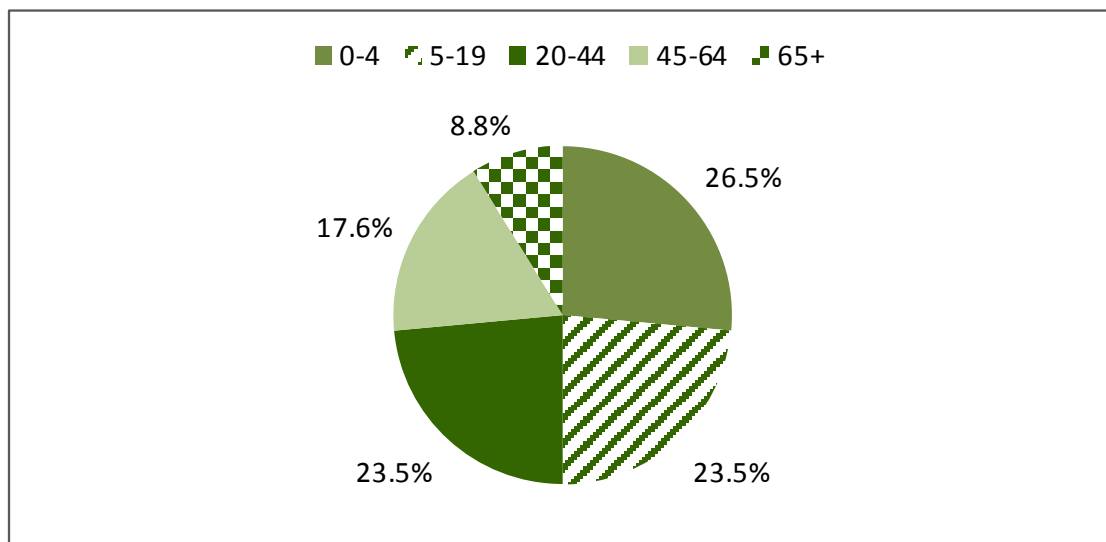


Figure 3: Percent of laboratory-confirmed influenza in NL, by age group, 2016-2017

Antiviral Resistance

Table 2: Cumulative antiviral resistance by influenza virus type and sub-type, Canada, 2016-2017

	Oseltamivir			Zanamivir			Amantadine		
	Tested	Resistant		Tested	Resistant		Tested	Resistant	
	#	#	%	#	#	%	#	#	%
A (H3N2)	159	0	0	159	0	0	82	82	100
A (H1N1)	6	0	0	6	0	0	6	6	100
B	16	0	0	16	0	0	--	--	--
Total	181	0	0	181	0	0	88	88	100

Source: Influenza and Respiratory Viruses Section, National Microbiology Laboratory (NML), Public Health Agency of Canada

Influenza and Other Respiratory Outbreaks

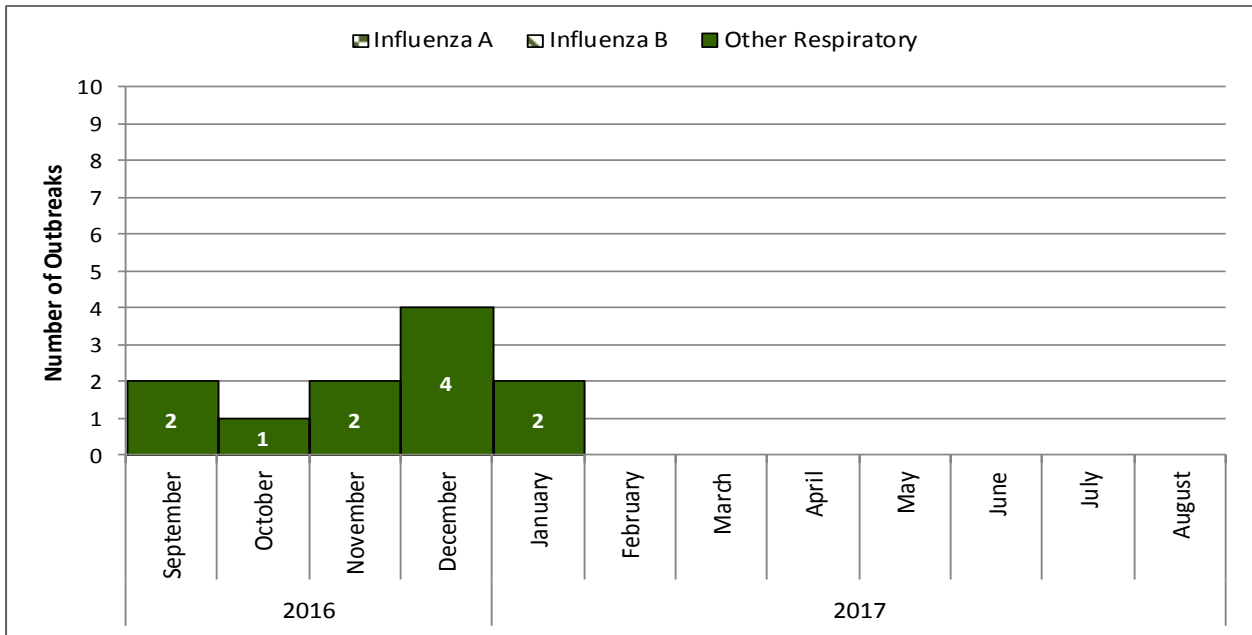


Figure 4: Number of influenza and other respiratory outbreaks, by month of onset, NL, 2016-2017

Emergency Department Influenza-like-illness (Eastern, Central and Western)

Note: Data prior to Week 47 includes Eastern Health only.

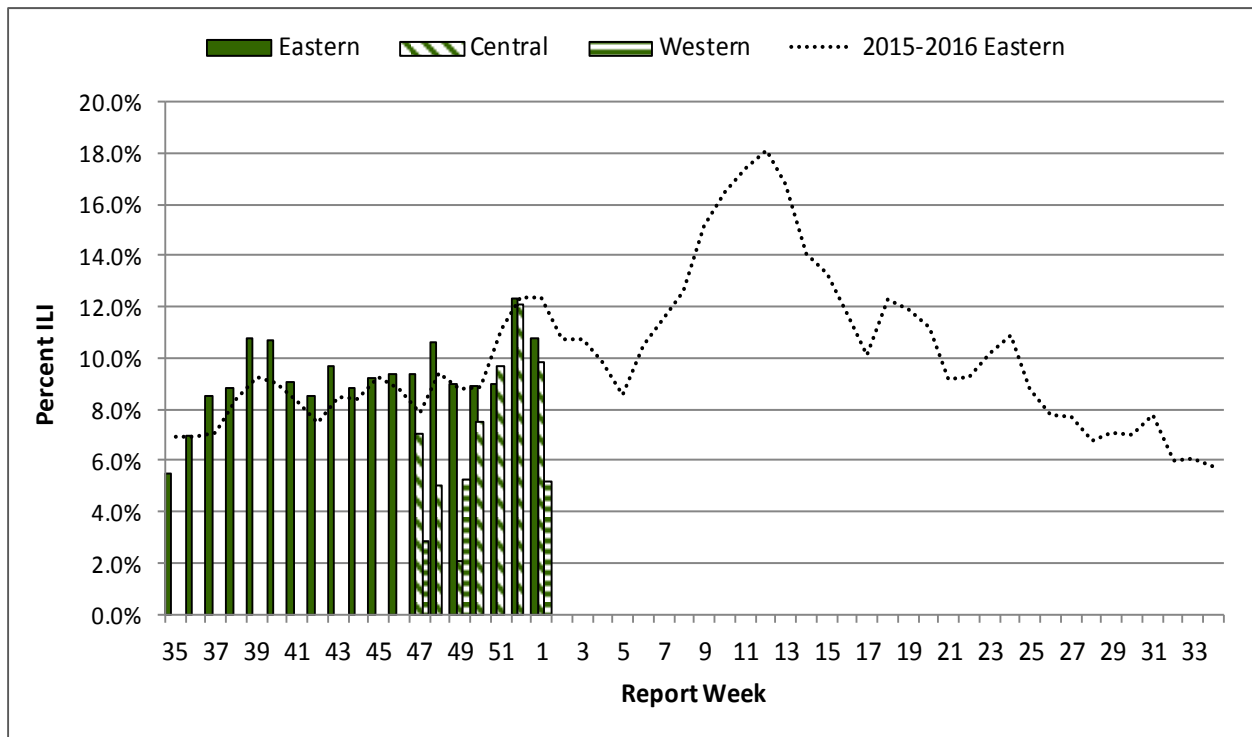


Figure 5: Percent of emergency department visits with ILI by report week, Eastern, Central and Western Health, 2016-2017

Source: Eastern Health Emergency Department Cognos Report; Central Health Emergency Room ILI Surveillance; Western Health

Other Respiratory Viruses

Table 3: Weekly and total number of positive respiratory virus specimens in NL, by type, 2016-2017 season

	Week 1	Total
R.S.V.	8	25
Parainfluenza virus 1	0	0
Parainfluenza virus 2	1	9
Parainfluenza virus 3	5	64
Adenovirus	3	55
Entero/Rhinovirus	3	179
hMPV	2	14



Source: Respiratory Virus Detection, Public Health Agency of Canada
Total from August 28, 2016 to January 7, 2017.

HealthLine

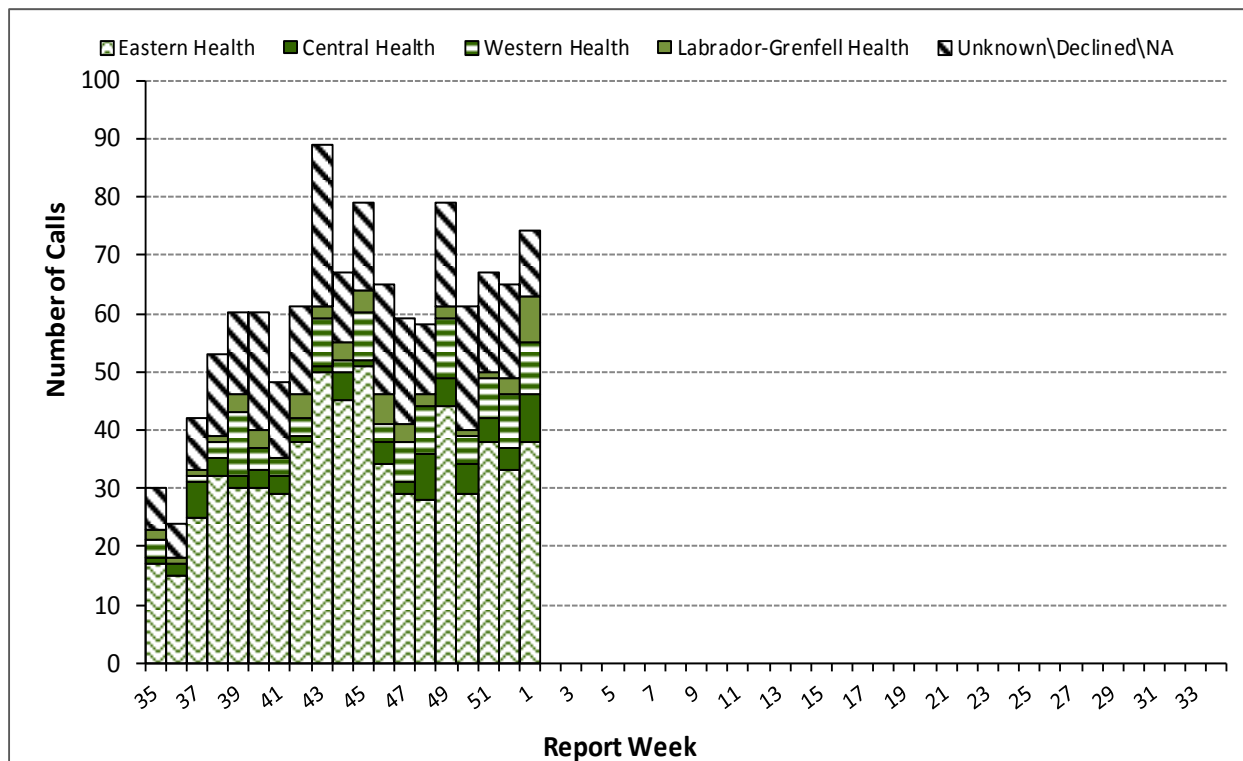


Figure 6: Number of influenza-like-illness HealthLine calls by week and RHA, NL, 2016-2017 season

Resources and Disclaimer

- ⇒ Provincial influenza statistics: <http://www.health.gov.nl.ca/health/publichealth/cdc/informationandsurveillance.html#influenza>
- ⇒ Find a Flu shot clinic in your community: http://www.health.gov.nl.ca/health/publichealth/cdc/infoforpros_edu.html
- ⇒ HealthLine phone number is 811 and website <http://yourhealthline.ca/en/index.html>
- ⇒ Public Health Laboratory website is <http://publichealthlab.ca/>
- ⇒ FluWatch: <http://healthycanadians.gc.ca/diseases-conditions-maladies-affections/disease-maladie/flu-grippe/surveillance/index-eng.php>
- ⇒ Fluctuations in data occur with each report and can be attributed to continuous reporting.