

Influenza Weekly Report

Summary

- ⇒ No laboratory-confirmed influenza cases in NL
- ⇒ All NL regions are reporting “No Activity” in FluWatch
- ⇒ NL influenza indicators increased this week compared to previous weeks but remain within expected levels for this time of year
- ⇒ Influenza activity in Canada is starting to increase in some regions, but remains low overall

Laboratory-Confirmed Cases

Table 1: Number and percent of positive influenza in NL and Canada, by type and sub-type, 2011/2012 season (as of Sept. 4, 2011).

	Cases	Hospitalizations	ICU Admissions	Deaths
Week	0	0	0	0
Total	0	0	0	0

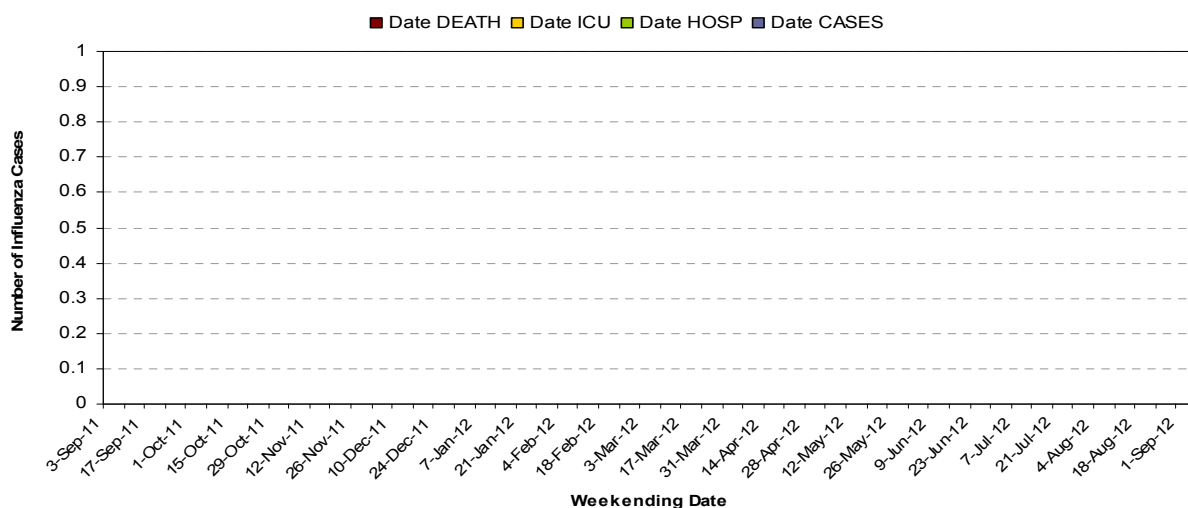


Figure 1: Number of cases, hospitalizations, ICU admissions and deaths, by week and season total, 2010/2011 season.

Table 2: Number and percent of positive influenza in NL and Canada, by type and sub-type, 2011/2012 season (as of Sept. 4, 2011).

	NL Wk.			NL Tot.			Canada Tot.		
	N	(%)		N	(%)		N	(%)	
TOTAL	0	(0)		0	(0)		440	(100)	
Influenza B	0	(0)		0	(0)		78	(18)	
Influenza A	0	(0)		0	(0)		362	(82)	
<i>A(H1N1)pdm09</i>	0	(0)		0	(0)		26	(7)	
<i>AH1</i>	0	(0)		0	(0)		0	(0)	
<i>AH3</i>	0	(0)		0	(0)		268	(74)	
<i>untyped</i>	0	(0)		0	(0)		68	(19)	

Other Respiratory Viruses

Table 3: Weekly and total number of positive respiratory virus specimens in NL, by type, 2011/2012 season (as of Sept. 4, 2011).

	Week	Total
R.S.V.	3	7
Parainfluenza virus 1	3	5
Parainfluenza virus 2	1	5
Parainfluenza virus 3	0	0
Parainfluenza virus 4	0	0
Adenovirus	3	12
hMPV	0	0
Rhinovirus	0	0
Coronavirus	0	0

FluWatch

Table 4: Weekly FluWatch Activity Level, Sentinel Physician ILI and outbreaks, by Regional Health Authority, 2011/2012 season.

RHA	Activity Level	Sentinel Physician ILI (%)	Community Outbreaks	LTC Outbreaks	School Outbreaks
Eastern	No Activity	2.5	0	0	0
Central	No Activity	6.8	0	0	0
Western	No Activity	22.2	0	0	0
Lab-Grenfell	No Activity	–	0	0	0

*Number of sentinel physicians reporting: 7-Eastern, 1-Central, 1-Western, 0-Labrador Grenfell.

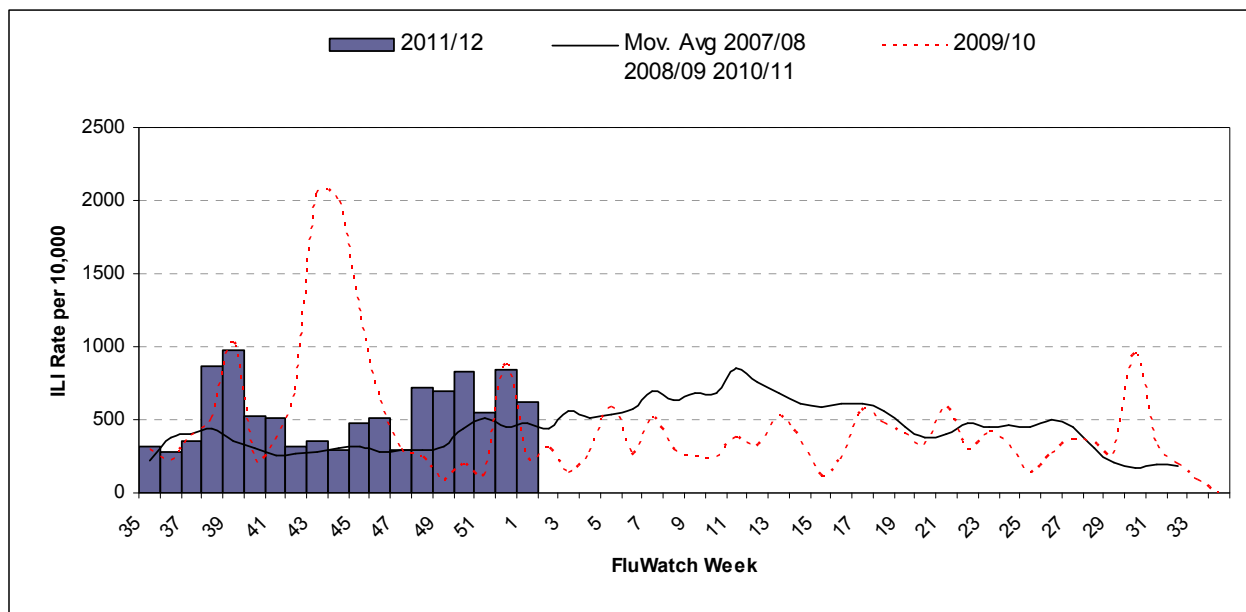


Figure 2: ILI consultation rates by report week, 2011/2012 as compared to the 2009/2010 season and the average of the 2007/08, 2008/09 and 2010/11 seasons (3-month moving average).

HealthLine

⇒ HealthLine is reporting low numbers of influenza-related calls.

Google Flu Trends

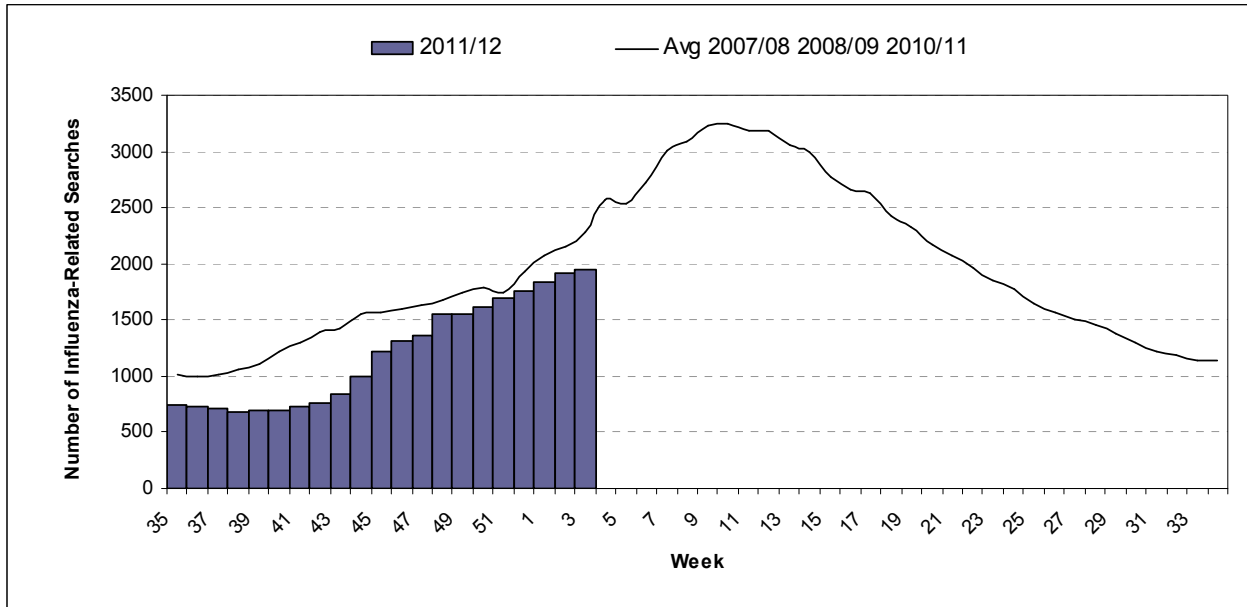


Figure 3: Number of influenza-related online searches by report week, 2011/2012 as compared to the average of the 2007/08, 2008/09 and 2010/11 seasons.

National / International Status

- ⇒ Influenza activity in Canada is similar to previous weeks with only certain regions reporting increased activity (i.e. western provinces, ON and QC) while activity remains low in the rest (i.e. Atlantic region, MB and the Territories)
- ⇒ Fourteen influenza-associated hospitalizations were reported this week (6 paediatric and 8 adult)
- ⇒ The national ILI consultation rate increased this week compared to previous weeks but remains within expected levels for this time of year.

Antiviral Resistance

Table 5: Cumulative antiviral resistance by influenza virus type and sub-type, Canada, 2011/2012 season.

	Oseltamivir		Zanamivir		Amantadine	
	Tested #	Resistant # (%)	Tested #	Resistant # (%)	Tested #	Resistant # (%)
A (H3N2)	27	0 (0)	27	0 (0)	36	36 (100)
A (H1N1)	9	0 (0)	9	0 (0)	6	6 (0)
B	25	0 (0)	25	0 (0)	*	* *
TOTAL	61	0 (0)	61	0 (0)	42	42 (100)

* Not Applicable

Resources and Disclaimer

- ⇒ Provincial influenza statistics: <http://www.health.gov.nl.ca/health/publichealth/cdc/informationandsurveillance.html#influenza>
- ⇒ National influenza statistics: <http://www.phac-aspc.gc.ca/fluwatch/index-eng.php>
- ⇒ Fluctuations in data occur with each report and can be attributed to continuous reporting.