Department of Health and Community Services
Government of Newfoundland and Labrador

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

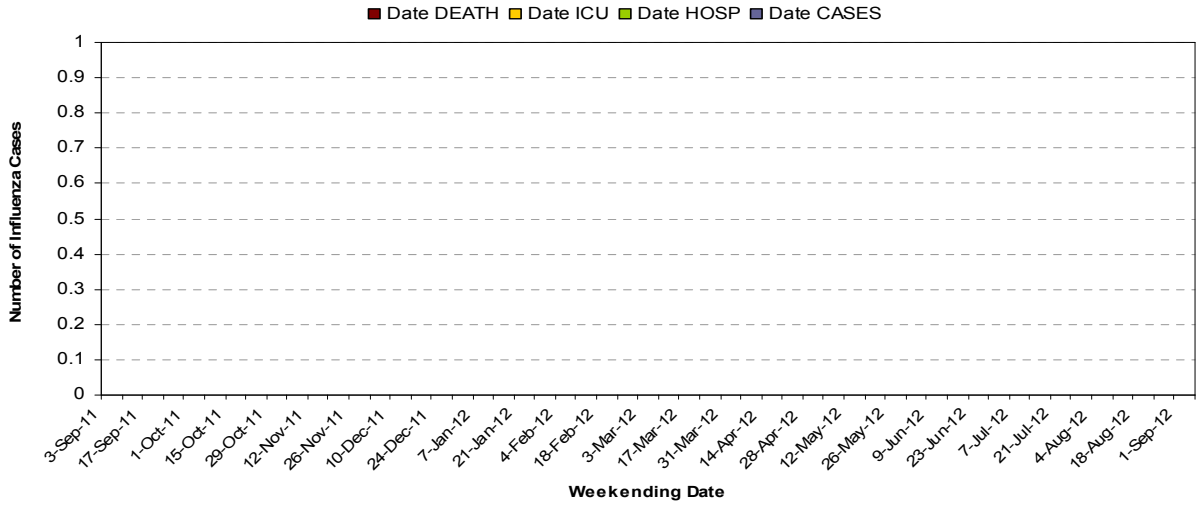

Figure 1: Number of cases, hospitalizations, ICU admissions and deaths, by week and season total, 2010/2011 season.

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**	**)**	**324**	**(100**	**)**
Influenza B	**0**	***(0***	***)***	**0**	***(0***	***)***	**50**	***(15***	***)***
Influenza A	**0**	***(0***	***)***	**0**	***(0***	***)***	**274**	***(85***	***)***
A(H1N1)pdm09	*0*	*(0*	*)*	*0*	*(0*	*)*	*17*	*(6*	*)*
AH1	*0*	*(0*	*)*	*0*	*(0*	*)*	*0*	*(0*	*)*
AH3	*0*	*(0*	*)*	*0*	*(0*	*)*	*207*	*(76*	*)*
untyped	*0*	*(0*	*)*	*0*	*(0*	*)*	*50*	*(18*	*)*

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.	0	4
Parainfluenza virus 1	1	2
Parainfluenza virus 2	0	4
Parainfluenza virus 3	0	0
Parainfluenza virus 4	0	0
Adenovirus	0	9
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	0.0	0	0	0
Central	No Activity	0.0	0	0	0
Western	No Activity	25.6	0	0	0
Lab-Grenfell	No Activity	0.0	0	0	0

*Number of sentinel physicians reporting: 1-Eastern, 1-Central, 1-Western, 1-Labador Grenfell.

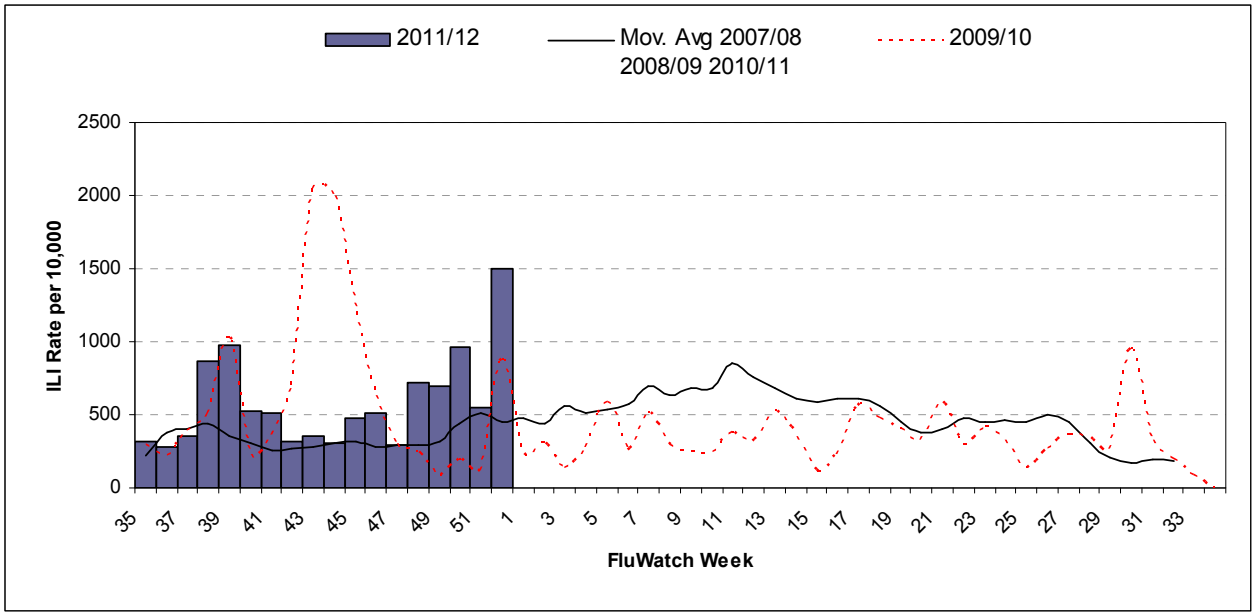

Figure 2: ILI consultation rates by report week, 2011/2012 as compared to the 2009/2010 season and the average of the 2007/08, 2008/09 and 2010/11 seasons (3-month moving average).

HealthLine

⇒ HealthLine calls have increased slightly.

Google Flu Trends

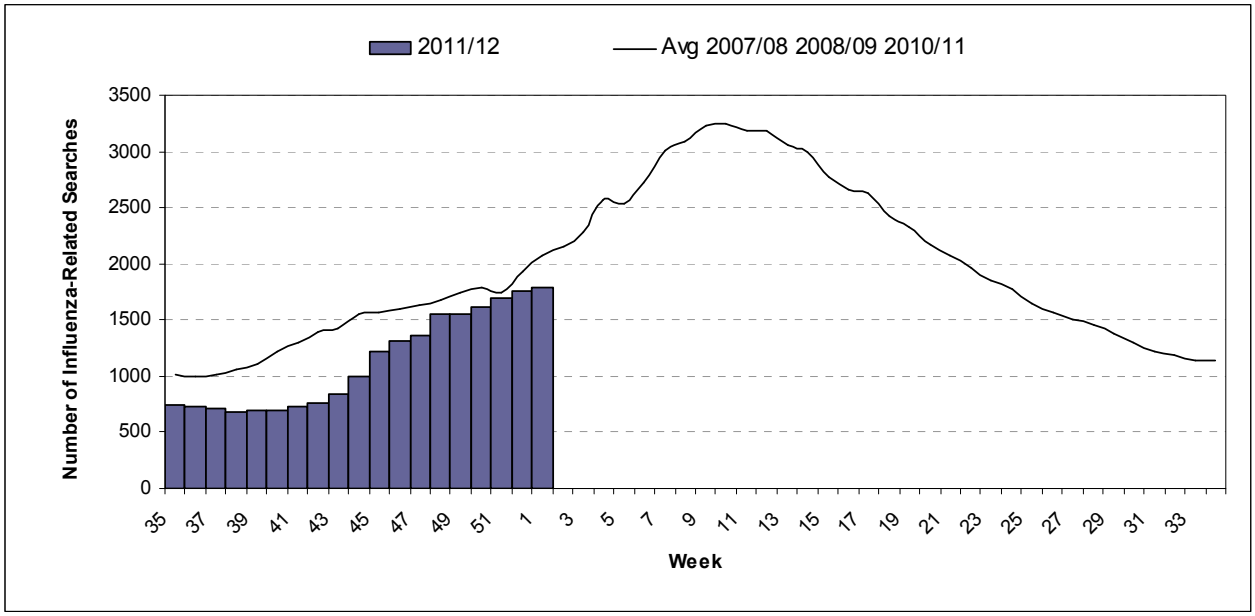

Figure 3: Number of influenza-related online searches by report week, 2011/2012 as compared to the average of the 2007/08, 2008/09 and 2010/11 seasons.

National / International Status

⇒ Influenza activity in Canada is starting to increase in some regions, but remains low overall
⇒ Seven paediatric influenza hospitalizations were reported this week (in BC, AB, ON & QC)
⇒ Three outbreaks of influenza in a long-term care facilities were reported this week
⇒ Two adult influenza hospitalizations were reported from AB & ON
⇒ 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)	25	0 (0)	25	0 (0)	24	24 (100)
A (H1N1)	6	0 (0)	6	0 (0)	5	5 (0)
B	14	0 (0)	14	0 (0)	*	* *
TOTAL	**45**	**0 (0)**	**45**	**0 (0)**	**29**	**29 (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.