

Section 1: Summary

For week 49 all Zones report some level of influenza activity.

South	▪ Sporadic activity
Calgary	▪ Localized activity. ▪ There are laboratory confirmed influenza cases and two outbreaks.
Central	▪ Sporadic activity
Edmonton	▪ Localized activity. ▪ There are laboratory confirmed influenza cases and one outbreak.
North	▪ Sporadic activity



Section 2: Outbreaks

There are three new outbreaks to report this week, two in schools and one in a long-term care facility. Including the outbreaks reported in week 49 there have been 18 influenza outbreaks this season.

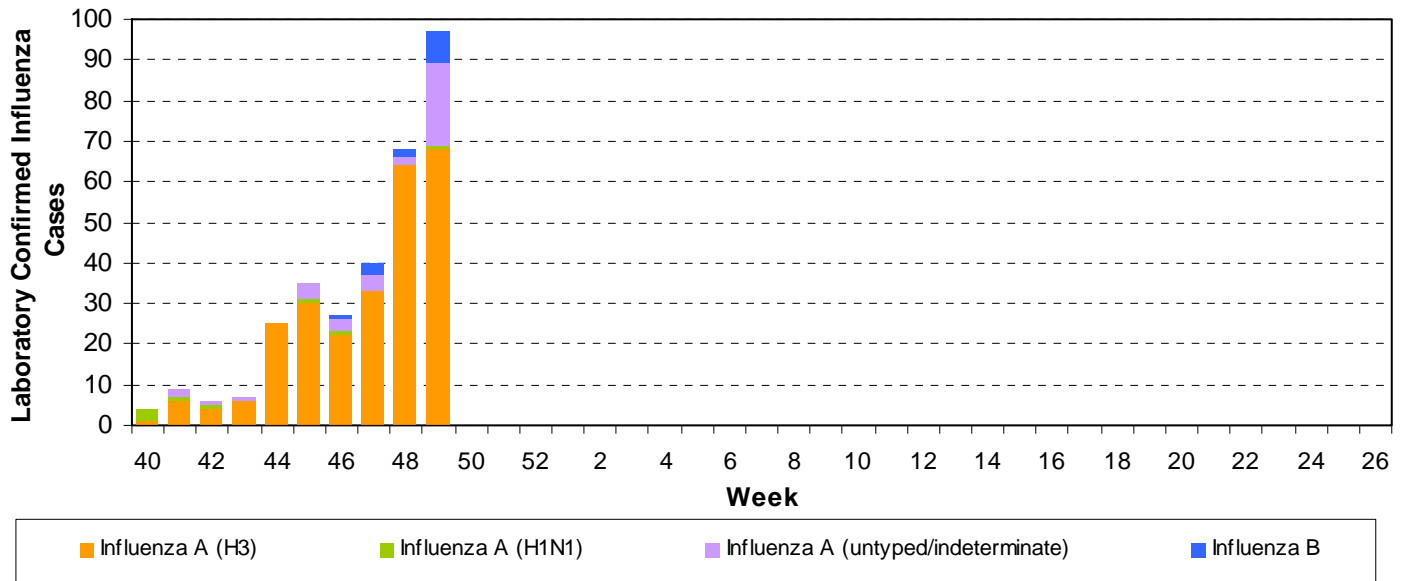
Reported Outbreaks of Influenza, 2012/13

Zone	Current Week	YTD
South	0	0
Calgary	2	3
Central	0	0
Capital	1	12
North	0	3
Alberta	3	18

Section 3: Isolates

In the 2012/13 influenza season, the Provincial Laboratory for Public Health (PLPH) has reported 304 Influenza A cases and 14 Influenza B cases to Alberta Health. In week 49 there were 97 lab confirmed influenza cases.

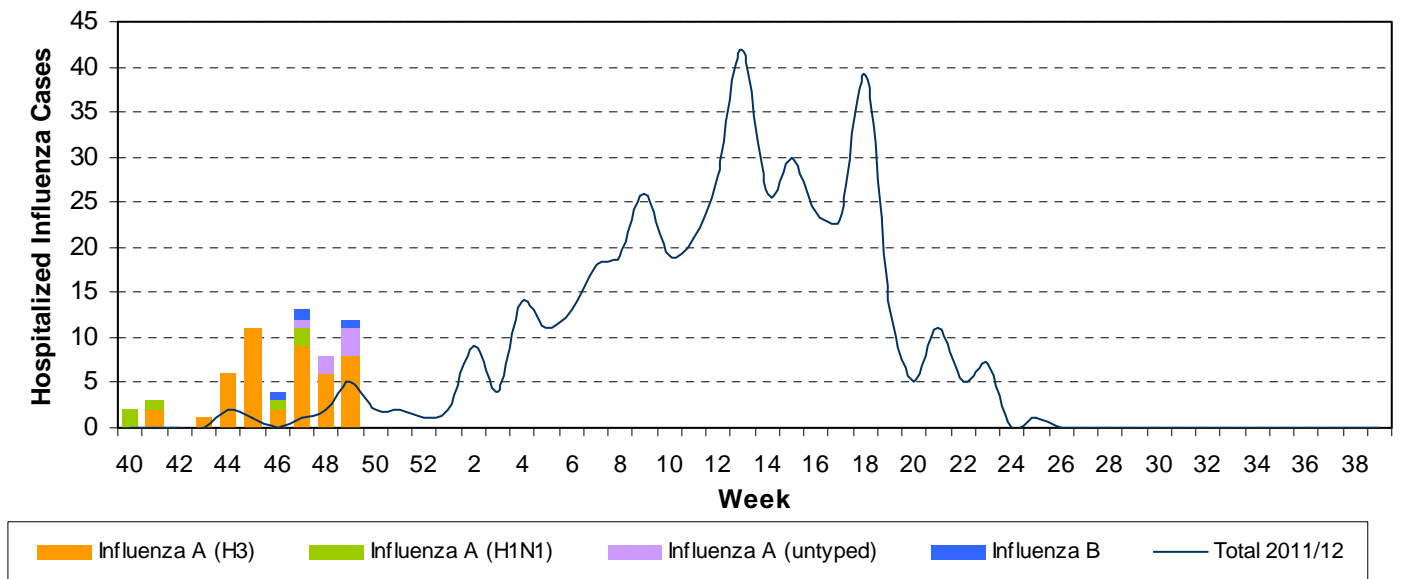
Laboratory Confirmed Influenza Cases by Strain Type, 2012/13



Section 4: Hospitalizations

There are 12 new hospitalized cases of influenza reported in week 49. There are 60 hospitalized cases in total for this influenza season.

Hospitalized Influenza Cases by Influenza Strain Type, 2012/13



Section 5: Influenza-Like Illness – TARRANT-Week 49

Sentinel physicians report cases of ILI seen in their practices. 33 cases of influenza like illness (ILI) were seen in week 49.

Zone	Sentinal Doctors (#)	Sentinal Recorders this week (#)	Patients Seen (#)	ILI Cases (#)	Patients with ILI (%)
South	8	6	798	5	0.6%
Calgary	32	17	1,101	12	1.1%
Central	16	12	840	6	0.7%
Capital	10	8	751	10	1.3%
North	7	0	0	0	0.0%
Alberta	73	43	3,490	33	0.9%

For more information, please go to the website: <http://www.tarrantviralwatch.ca/>

Section 7: Antiviral Resistance

- There have been no influenza isolates identified that are resistant to amantadine, zanamivir or oseltamivir in the 2012/13 influenza season.
- In the 2011/12 season there were 10 isolates that were resistant to amantadine and no isolates were resistant to zanamivir or oseltamivir.

Section 6: Canadian and International Influenza Activity

The following links provide access to other websites related to influenza and ILI.

Canada – FluWATCH www.phac-aspc.gc.ca/fluwatch/index-eng.php

World Health Organization www.who.int/topics/influenza/en/

USA – CDC www.cdc.gov/flu/weekly/