

Section 1: Summary

For week 12 all Zones report some level of influenza activity.

South	▪ Sporadic activity.
Calgary	▪ Sporadic activity.
Central	▪ Sporadic activity.
Edmonton	▪ Localized activity.
North	▪ Sporadic activity.



Section 2: Outbreaks

There is one new influenza outbreak to report this week. There were two outbreaks in week 11. There have been 86 influenza outbreaks this season.

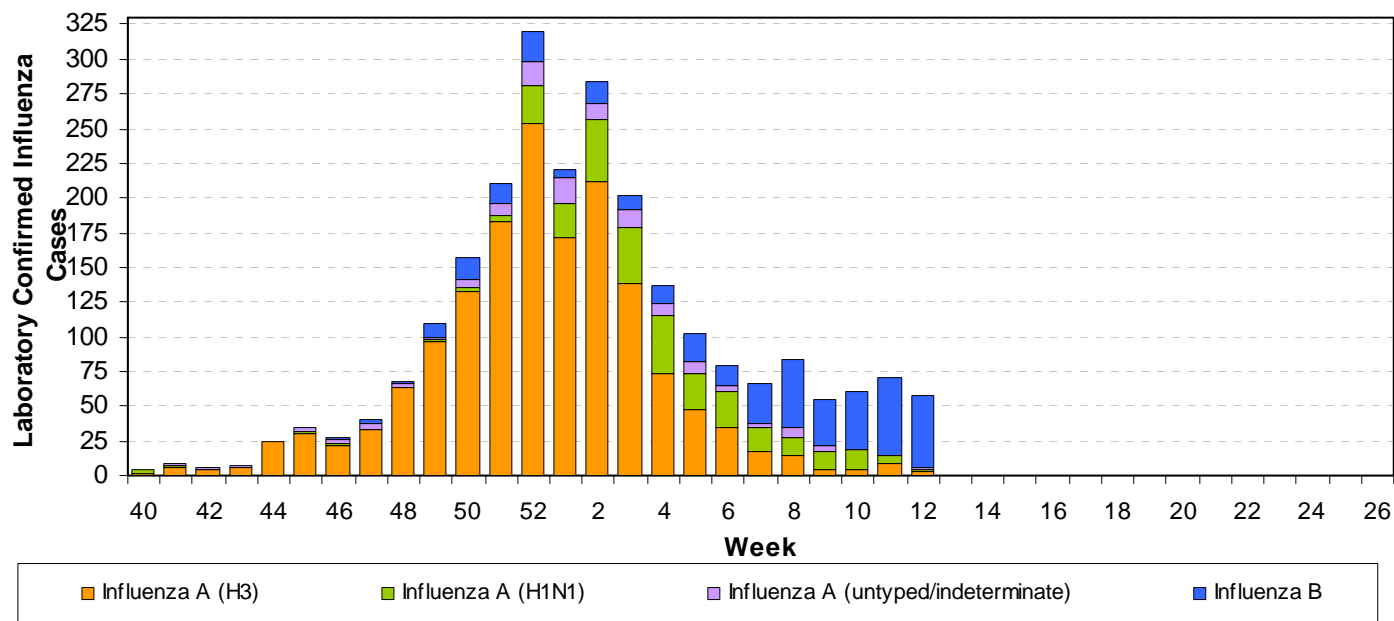
Reported Outbreaks of Influenza, 2012/13

Zone	Current Week	YTD
South	0	12
Calgary	0	18
Central	0	5
Capital	1	40
North	0	11
Alberta	1	86

Section 3: Isolates

In the 2012/13 influenza season, the Provincial Laboratory for Public Health (PLPH) reported 2028 Influenza A cases and 410 Influenza B cases to Alberta Health. There were 58* lab confirmed influenza cases reported to Alberta Health in week 12 and 70 reported in week 11. While influenza A has been the dominant strain for the bulk of the season, the majority of influenza cases in recent weeks has been due to influenza B.

Laboratory Confirmed Influenza Cases by Strain Type, 2012/13

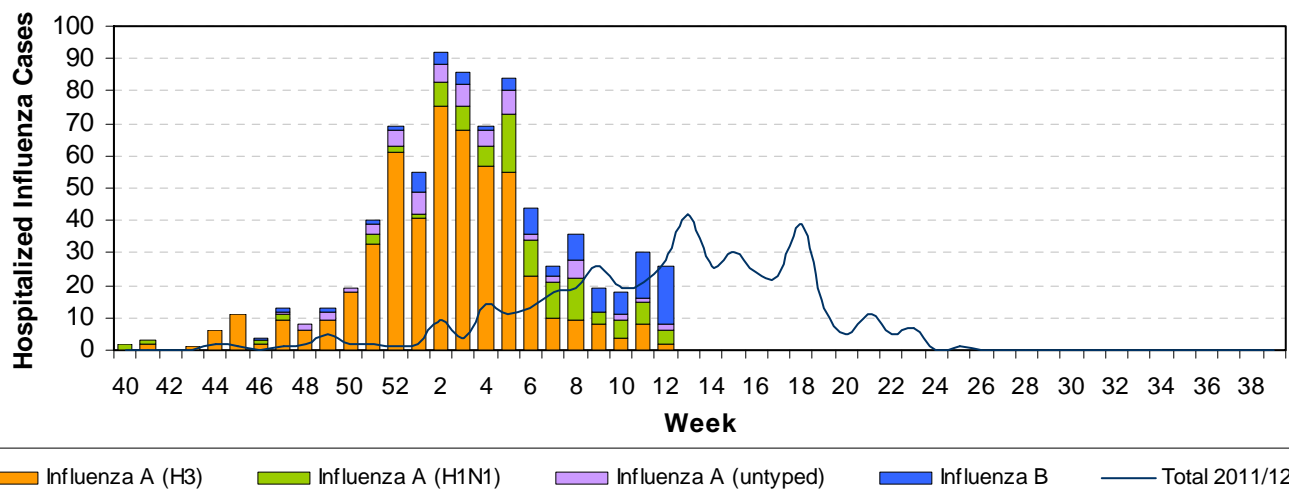


*preliminary values

Section 4: Hospitalizations

There were 26* new hospitalized cases of influenza reported in week 12, and 30 confirmed hospitalized cases in week 11. There have been 774 hospitalized cases in total for this influenza season.

Hospitalized Influenza Cases by Influenza Strain Type, 2012/13



*preliminary values

Section 5: Influenza-Like Illness – TARRANT-Week 12

Sentinel physicians report cases of ILI seen in their practices. 21 cases of influenza like illness (ILI) were seen in week 12 and 22 cases were seen in week 11.

Zone	Sentinal Doctors (#)	Sentinal Recorders this Week (#)	Patients Seen (#)	ILI Cases (#)	Patients with ILI (%)
South	9	6	464	3	0.6%
Calgary	41	25	1413	11	0.8%
Central	18	15	678	2	0.3%
Edmonton	10	5	564	3	0.5%
North	6	1	47	2	4.3%
Alberta	84	52	3166	21	0.7%

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

Section 7: Antiviral Resistance

- A probable case of oseltamivir-resistant influenza was reported to Alberta Health in week 9. The sample, isolated in Calgary, has been sent to the National Microbiology Laboratory for confirmatory testing. This is the first resistant isolate found in the 2012/13 influenza season.
- In the 2011/12 season there were 10 isolates found to be resistant to amantadine. 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/