

Section 1: Summary

For week 21 almost all Zones reported some level of influenza activity.

South	▪ Sporadic activity.
Calgary	▪ Sporadic activity.
Central	▪ No influenza activity
Edmonton	▪ Sporadic activity.
North	▪ Sporadic activity.



Section 2: Outbreaks

There were no new influenza outbreaks to report in week 21. There was one influenza outbreak in week 20. There have been 95 influenza outbreaks this season.

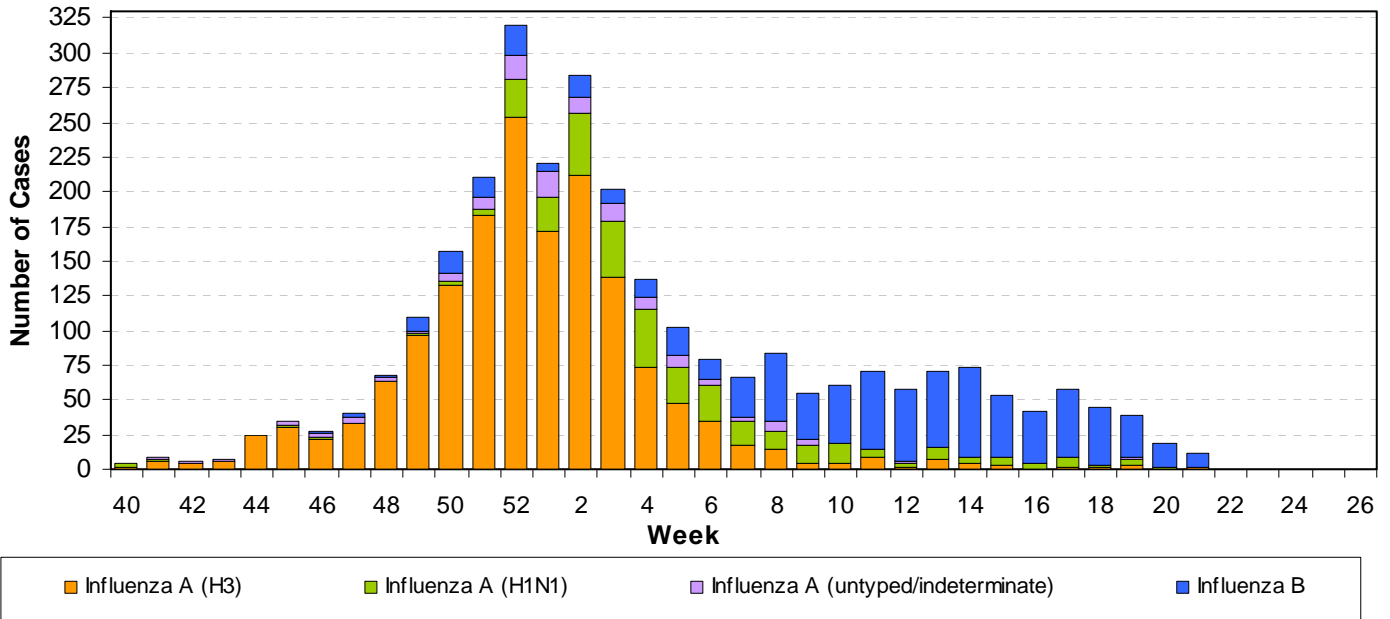
Reported Outbreaks of Influenza, 2012/13

Zone	Current Week	YTD
South	0	12
Calgary	0	24
Central	0	7
Capital	0	40
North	0	12
Alberta	0	95

Section 3: Isolates

In the 2012/13 influenza season, the Provincial Laboratory for Public Health (PLPH) reported 2,089 Influenza A cases and 758 Influenza B cases to Alberta Health. There were 12* lab confirmed influenza cases reported to Alberta Health in week 21 and 19 reported in week 20. While influenza A has been the dominant strain for the bulk of the season, the majority of influenza cases in recent weeks have been due to influenza B.

Laboratory Confirmed Influenza Cases by Strain Type, 2012/13

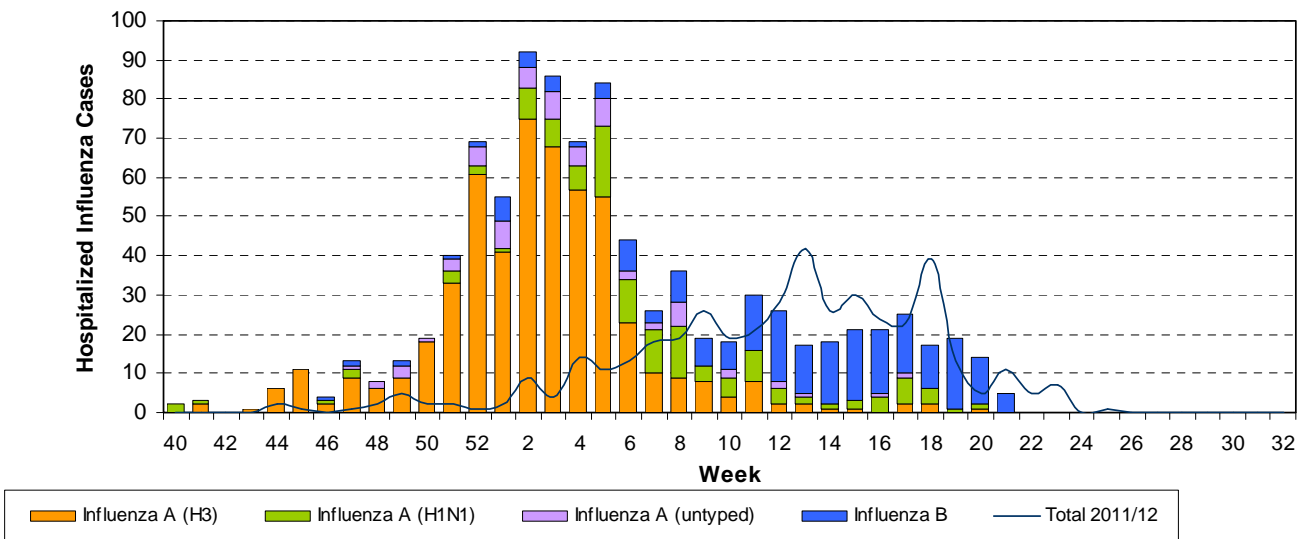


*preliminary values

Section 4: Hospitalizations

There were 5* new hospitalized cases of influenza reported in week 21, and 14 confirmed hospitalized cases in week 20. There have been 931 hospitalized cases in total for this influenza season. While the majority of hospitalized cases have been due to influenza A, the majority of hospitalized cases in recent weeks have been due to influenza B.

Hospitalized Influenza Cases by Influenza Strain Type, 2012/13



*preliminary values

Section 5: Influenza-Like Illness – TARRANT Week 21

Sentinel physicians report cases of ILI seen in their practices. 3* cases of influenza like illness (ILI) were seen in week 21 and 6 cases were seen in week 20.

Zone	Sentinal Doctors (#)	Sentinal Recorders this Week (#)	Patients Seen (#)	ILI Cases (#)	Patients with ILI (%)
South	9	4	344	0	0.0%
Calgary	41	19	1145	3	0.3%
Central	15	11	354	0	0.0%
Edmonton	11	8	391	0	0.0%
North	7	2	93	0	0.0%
Alberta	83	44	2327	3	0.1%

*preliminary values

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/