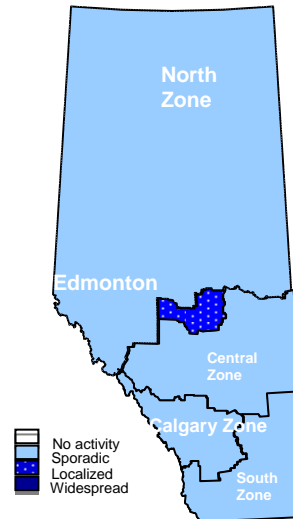


Section 1: Summary

For week 10 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 are two new influenza outbreaks to report this week. There were two outbreaks in week 9. There have been 83 influenza outbreaks this season.

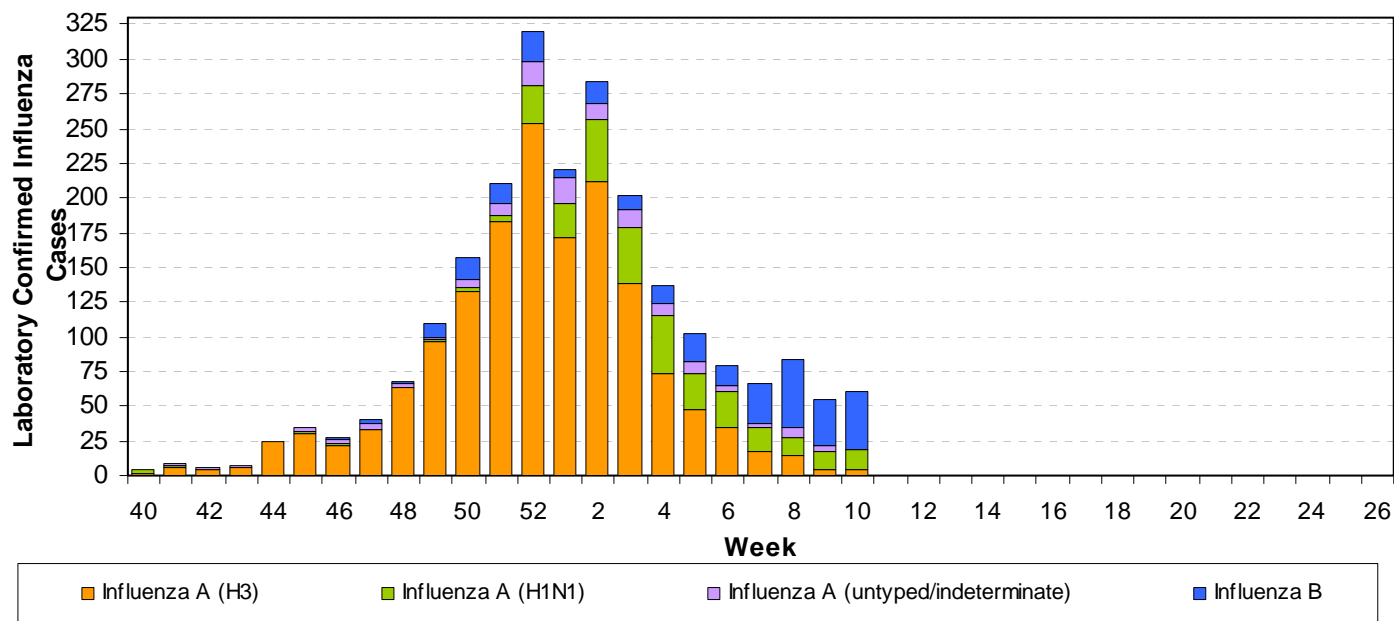
Reported Outbreaks of Influenza, 2012/13

Zone	Current Week	YTD
South	0	12
Calgary	0	18
Central	0	5
Capital	2	37
North	0	11
Alberta	2	83

Section 3: Isolates

In the 2012/13 influenza season, the Provincial Laboratory for Public Health (PLPH) reported 2007 Influenza A cases and 303 Influenza B cases to Alberta Health. There were 55 lab confirmed influenza cases reported to Alberta Health in week 9 and 60* reported in week 10.

Laboratory Confirmed Influenza Cases by Strain Type, 2012/13

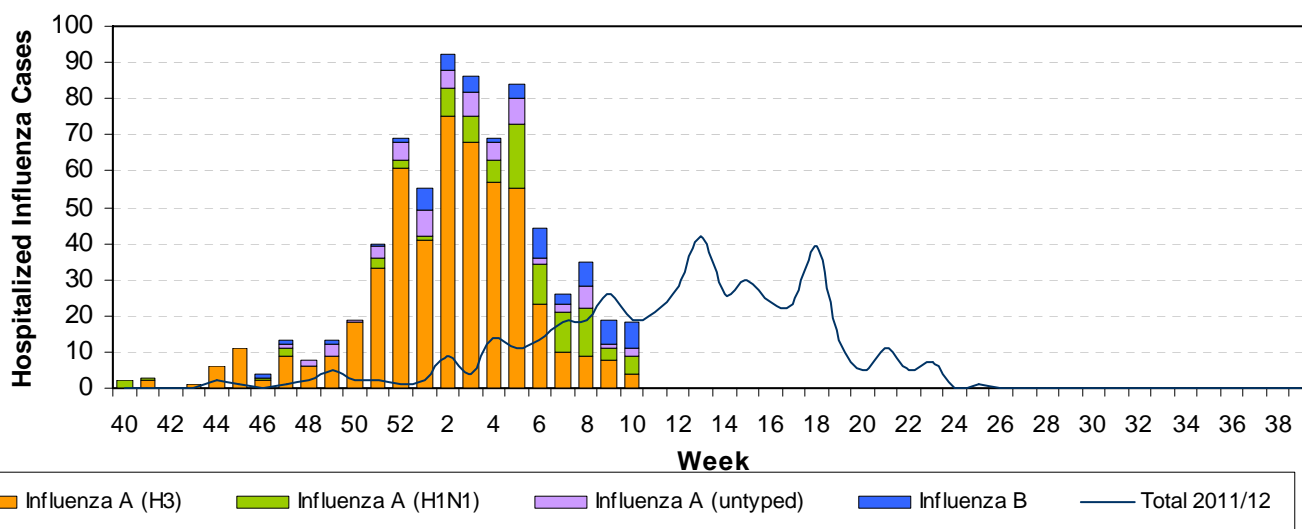


*preliminary values

Section 4: Hospitalizations

There were 18* new hospitalized cases of influenza reported in week 10, and 19 confirmed hospitalized cases in week 9. There have been 717 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 10

Sentinel physicians report cases of ILI seen in their practices. 23 cases of influenza like illness (ILI) were seen in week 10 and 44 cases were seen in week 9.

Zone	Sentinal Doctors (#)	Sentinal Recorders this Week (#)	Patients Seen (#)	ILI Cases (#)	Patients with ILI (%)
South	9	6	581	9	1.5%
Calgary	40	23	2184	12	0.5%
Central	18	16	776	1	0.1%
Edmonton	10	6	604	1	0.2%
North	5	0	0	0	na
Alberta	82	51	4145	23	0.6%

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/