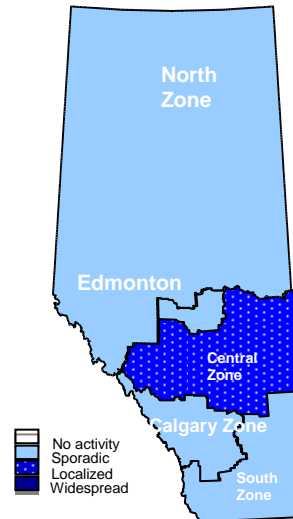


Section 1: Summary

For week 16 all Zones report some level of influenza activity.

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



Section 2: Outbreaks

There was one new influenza outbreak to report in week 16. There was one influenza outbreak in week 15. There have been 90 influenza outbreaks this season.

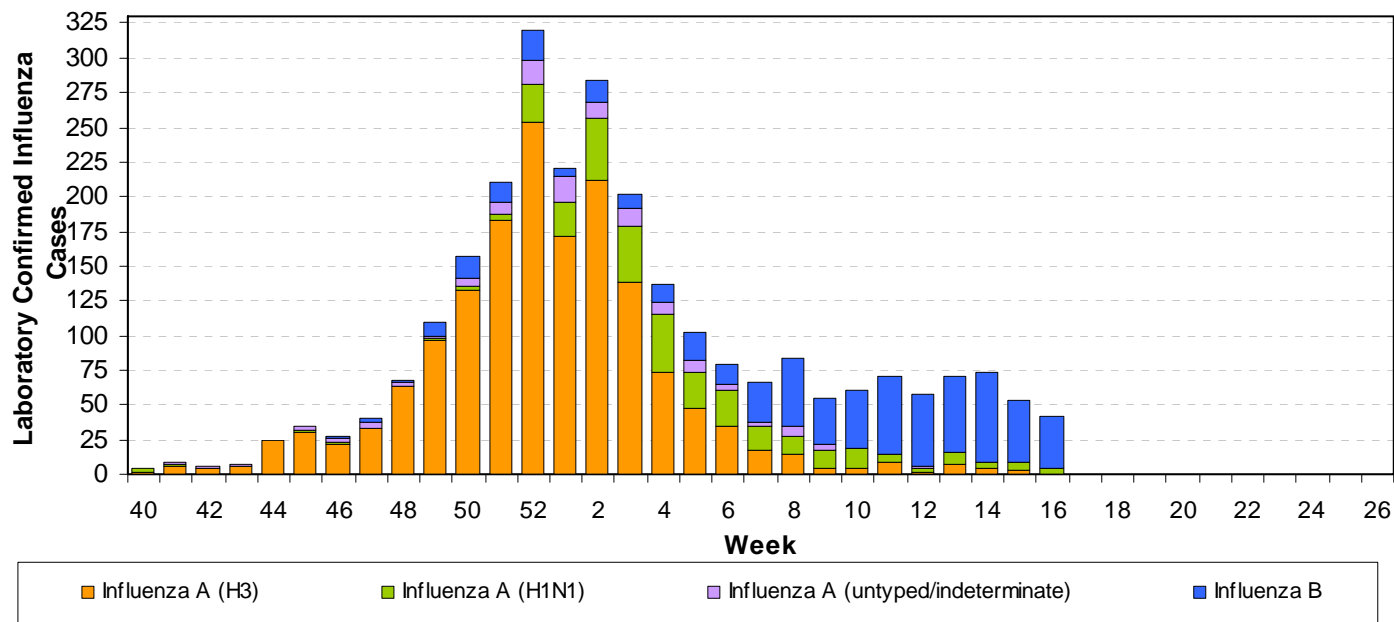
Reported Outbreaks of Influenza, 2012/13

| Zone | Current Week | YTD |
|---------|--------------|-----|
| South | 0 | 12 |
| Calgary | 0 | 20 |
| Central | 1 | 7 |
| Capital | 0 | 40 |
| North | 0 | 11 |
| Alberta | 1 | 90 |

Section 3: Isolates

In the 2012/13 influenza season, the Provincial Laboratory for Public Health (PLPH) reported 2,066 Influenza A cases and 610 Influenza B cases to Alberta Health. There were 42* lab confirmed influenza cases reported to Alberta Health in week 16 and 53 reported in week 15. 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

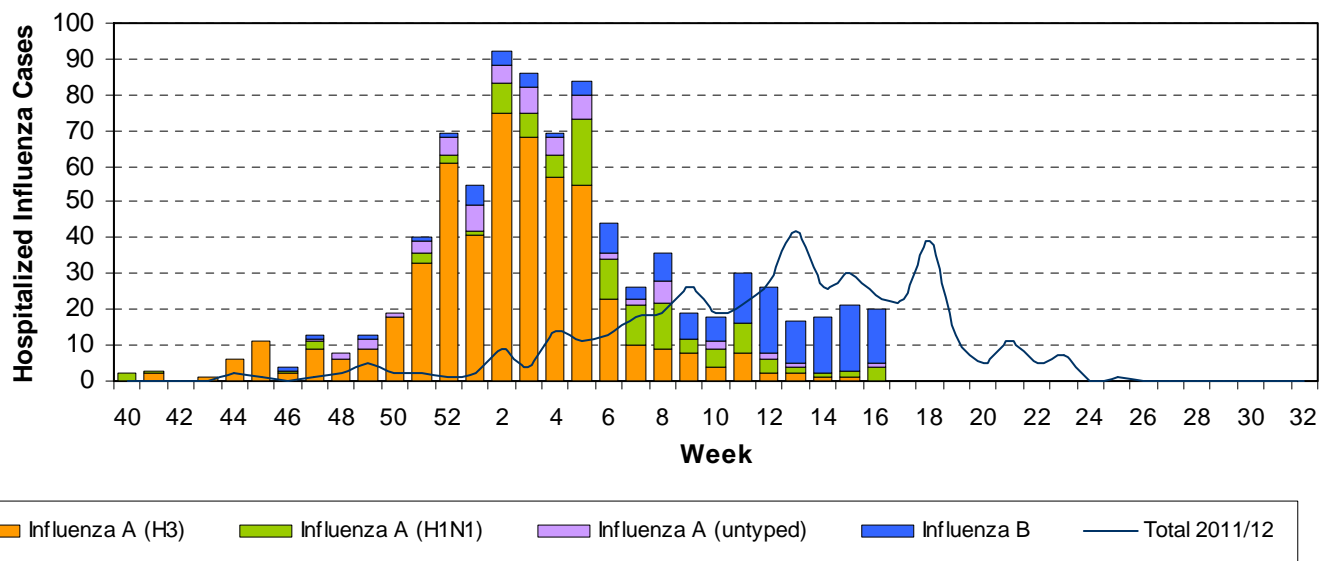


*preliminary values

Section 4: Hospitalizations

There were 20* new hospitalized cases of influenza reported in week 16, and 21 confirmed hospitalized cases in week 15. There have been 850 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 16

Sentinel physicians report cases of ILI seen in their practices. 11* cases of influenza like illness (ILI) were seen in week 16 and 22 cases were seen in week 15.

| Zone | Sentinal Doctors (#) | Sentinal Recorders this Week (#) | Patients Seen (#) | ILI Cases (#) | Patients with ILI (%) |
|----------|----------------------|----------------------------------|-------------------|---------------|-----------------------|
| South | 9 | 5 | 528 | 0 | 0.0% |
| Calgary | 41 | 18 | 1013 | 5 | 0.5% |
| Central | 15 | 13 | 605 | 0 | 0.0% |
| Edmonton | 10 | 7 | 678 | 3 | 0.4% |
| North | 6 | 2 | 166 | 3 | 1.8% |
| Alberta | 81 | 45 | 2990 | 11 | 0.4% |

*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/