

**Section 1: Summary**

For week 50 all Zones report some level of influenza activity.

<b>South</b>	▪ Sporadic activity
<b>Calgary</b>	▪ Localized activity. ▪ There are laboratory confirmed influenza cases and one outbreak.
<b>Central</b>	▪ Sporadic activity
<b>Edmonton</b>	▪ Localized activity. ▪ There are laboratory confirmed influenza cases and three outbreaks.
<b>North</b>	▪ Sporadic activity



**Section 2: Outbreaks**

There are four new outbreaks to report this week. Including the outbreaks reported in week 50 there have been 22 influenza outbreaks this season.

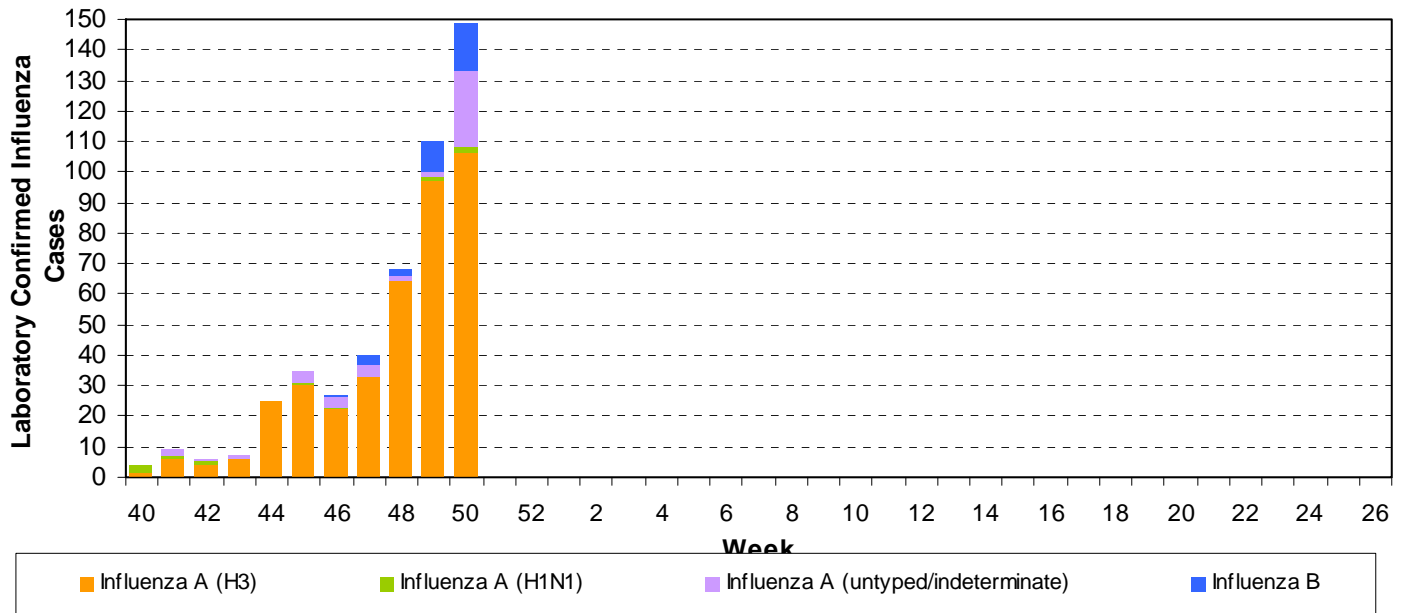
**Reported Outbreaks of Influenza, 2012/13**

Zone	Current Week	YTD
South	0	0
Calgary	1	3
Central	0	0
Capital	3	16
North	0	3
Alberta	4	22

**Section 3: Isolates**

In the 2012/13 influenza season, the Provincial Laboratory for Public Health (PLPH) has reported 448 Influenza A cases and 32 Influenza B cases to Alberta Health. In week 50 there were 149 lab confirmed influenza cases.

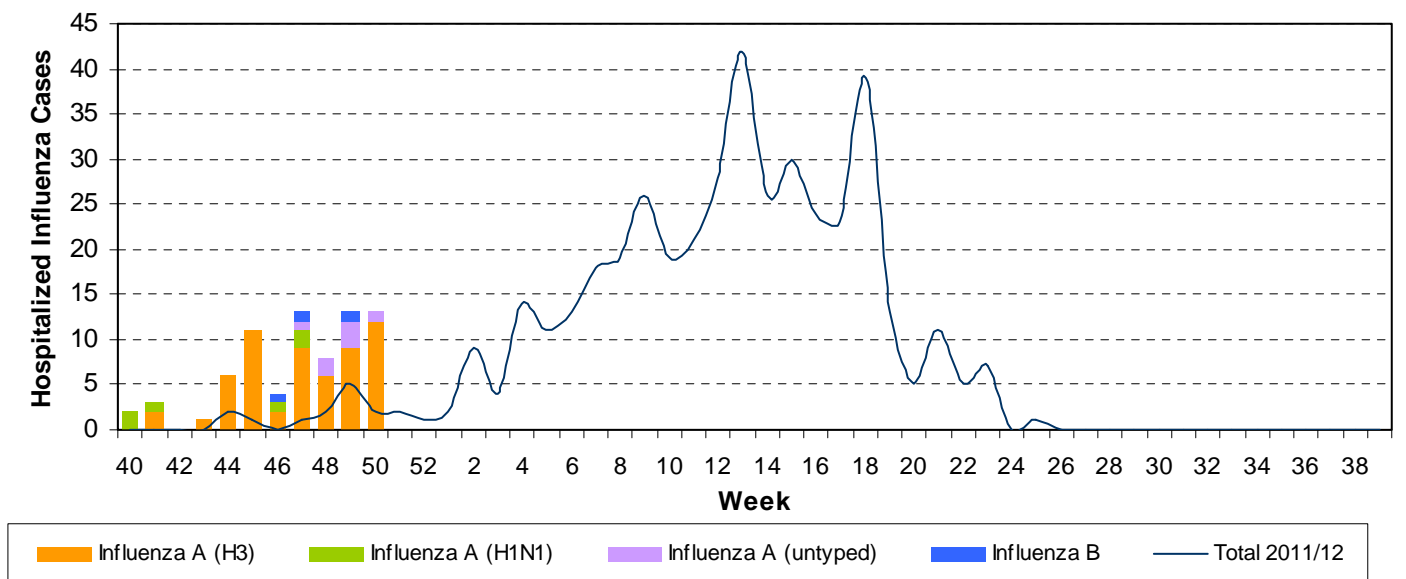
**Laboratory Confirmed Influenza Cases by Strain Type, 2012/13**



**Section 4: Hospitalizations**

There are 13 new hospitalized cases of influenza reported in week 50. There are 74 hospitalized cases in total for this influenza season.

**Hospitalized Influenza Cases by Influenza Strain Type, 2012/13**



### Section 5: Influenza-Like Illness – TARRANT-Week 50

Sentinel physicians report cases of ILI seen in their practices. 15 cases of influenza like illness (ILI) were seen in week 50.

Zone	Sentinal Doctors (#)	Sentinal Recorders this week (#)	Patients Seen (#)	ILI Cases (#)	Patients with ILI (%)
South	8	5	643	2	0.3%
Calgary	32	19	1312	8	0.6%
Central	16	4	631	2	0.3%
Capital	10	6	341	3	0.9%
North	7	1	48	0	0.0%
Alberta	73	35	2975	15	0.5%

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](http://www.phac-aspc.gc.ca/fluwatch/index-eng.php)

World Health Organization [www.who.int/topics/influenza/en/](http://www.who.int/topics/influenza/en/)

USA – CDC [www.cdc.gov/flu/weekly/](http://www.cdc.gov/flu/weekly/)