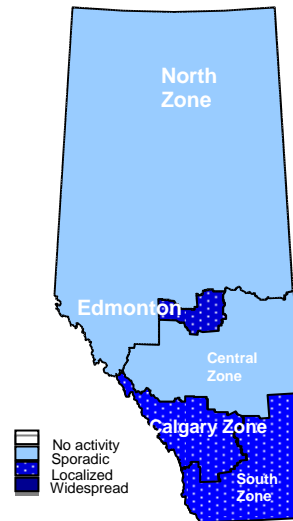


**Section 1: Summary**

For week 51 all Zones report some level of influenza activity.

<b>South</b>	<ul style="list-style-type: none"> <li>▪ Localized activity.</li> <li>▪ There are laboratory confirmed influenza cases and two outbreaks.</li> </ul>
<b>Calgary</b>	<ul style="list-style-type: none"> <li>▪ Localized activity.</li> <li>▪ There are laboratory confirmed influenza cases and two outbreaks.</li> </ul>
<b>Central</b>	<ul style="list-style-type: none"> <li>▪ Sporadic activity.</li> </ul>
<b>Edmonton</b>	<ul style="list-style-type: none"> <li>▪ Localized activity.</li> <li>▪ There are laboratory confirmed influenza cases and one outbreak.</li> </ul>
<b>North</b>	<ul style="list-style-type: none"> <li>▪ Sporadic activity.</li> </ul>



**Section 2: Outbreaks**

There are five new outbreaks to report this week. Including the outbreaks reported in week 51 there have been 28 influenza outbreaks this season.

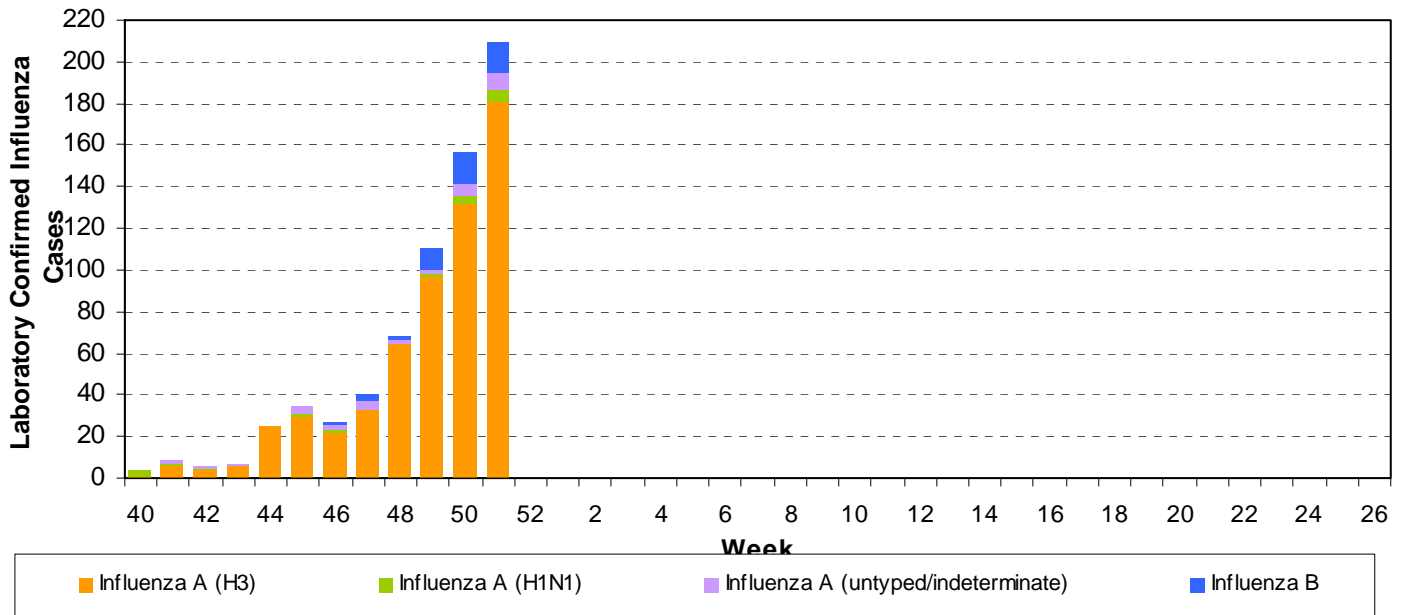
**Reported Outbreaks of Influenza, 2012/13**

Zone	Current Week	YTD
South	2	2
Calgary	2	5
Central	0	1
Capital	1	17
North	0	3
Alberta	5	28

**Section 3: Isolates**

In the 2012/13 influenza season, the Provincial Laboratory for Public Health (PLPH) has reported 697 Influenza A cases and 46 Influenza B cases to Alberta Health. In week 51 there were 209 lab confirmed influenza cases.

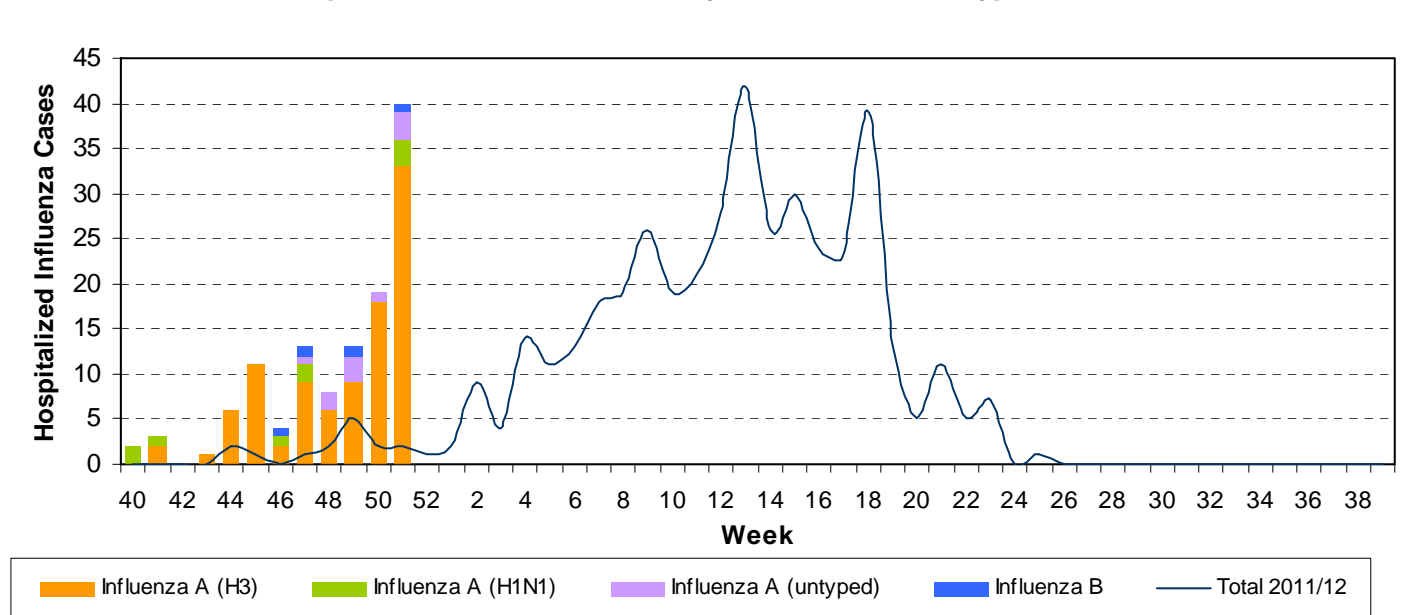
**Laboratory Confirmed Influenza Cases by Strain Type, 2012/13**



**Section 4: Hospitalizations**

There are 40 new hospitalized cases of influenza reported in week 51, a significant increase from previous weeks. There are 120 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. 12 cases of influenza like illness (ILI) were seen in week 51.

Zone	Sentinal Doctors (#)	Sentinal Recorders this week (#)	Patients Seen (#)	ILI Cases (#)	Patients with ILI (%)
South	8	1	280	3	1.1%
Calgary	32	12	906	5	0.6%
Central	16	2	311	0	0.0%
Capital	10	6	502	4	0.8%
North	7	0	0	0	0.0%
Alberta	73	21	1999	12	0.6%

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/)