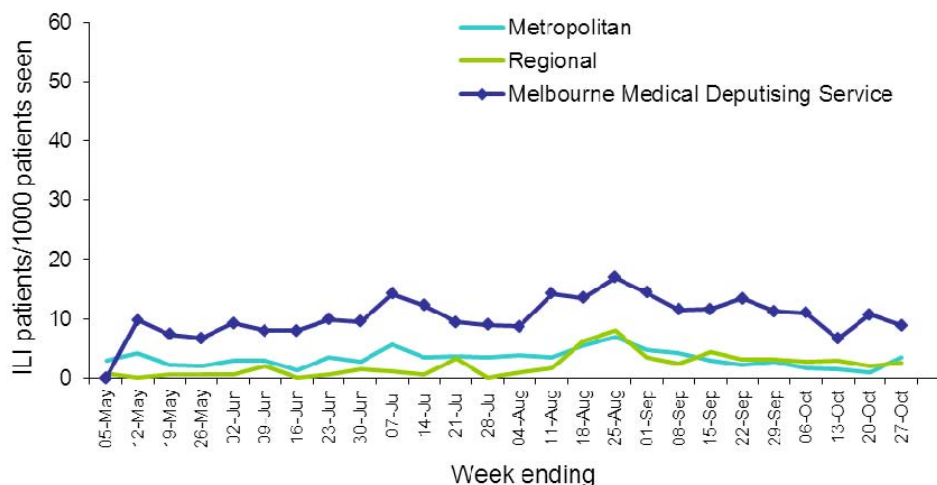


## Report No 26 Week ending 27/10/13

### Summary

- Influenza-like illness (ILI) activity was slightly higher than reported for the previous period, with a presentation rate of 3.3 cases per 1000 patients seen, remaining below baseline levels of activity.
- From the 362 swabs received from surveillance GPs this season (30/4/12 – 27/10/12) 80 have been positive for influenza, 41 influenza A and 39 influenza B. This week we received 5 surveillance swabs of which 1 (20%) was positive for influenza A (untyped).
- The majority of viruses detected through routine testing this week were picornavirus, with six influenza A, five untyped and 1 A(H1N1)pdm09. Of the 197 influenza viruses detected so far this year 66 were A(H1N1)pdm09, 41 were H3 and 15 were untyped. There have been 75 influenza B virus detections.
- This week the Influenza Complications Network (FluCAN) reported two hospitalisations, both from influenza A untyped. Since 6/4/2013 FluCAN have reported 240 hospitalisations with confirmed influenza, of which 11 were patients with A(H1N1)pdm09, 86 were untyped influenza A patients, 52 were influenza A(H3N2) and 91 were influenza B from the four Victorian sentinel hospitals. Of the 240 hospitalisations 26 were admitted to ICU, six were pregnant and 190 had comorbidities.
- Of the 324 influenza viruses analysed at the WHO Collaborating Centre for Reference and Research on Influenza year to date from Victoria, 95 were A(H1N1)pdm09, 51 H3 and 178 influenza B. The majority of strain-typed influenza B viruses in Victoria in 2013 have been B/Massachusetts/2/2012-like, an antigenic drift variant of the B/Wisconsin/1/2010-like virus in the 2013 southern hemisphere vaccine.
- The total number of laboratory confirmed notifications to the National Notifiable Diseases Surveillance System (NNDSS) to date was 24,128, of which 5,033 (21%) were from Victoria.

### General practice sentinel ILI surveillance



**Figure 1. ILI presentation rates at metropolitan and rural general practice sentinel sites and Melbourne Medical Deputising Service visits, 2013 influenza season**



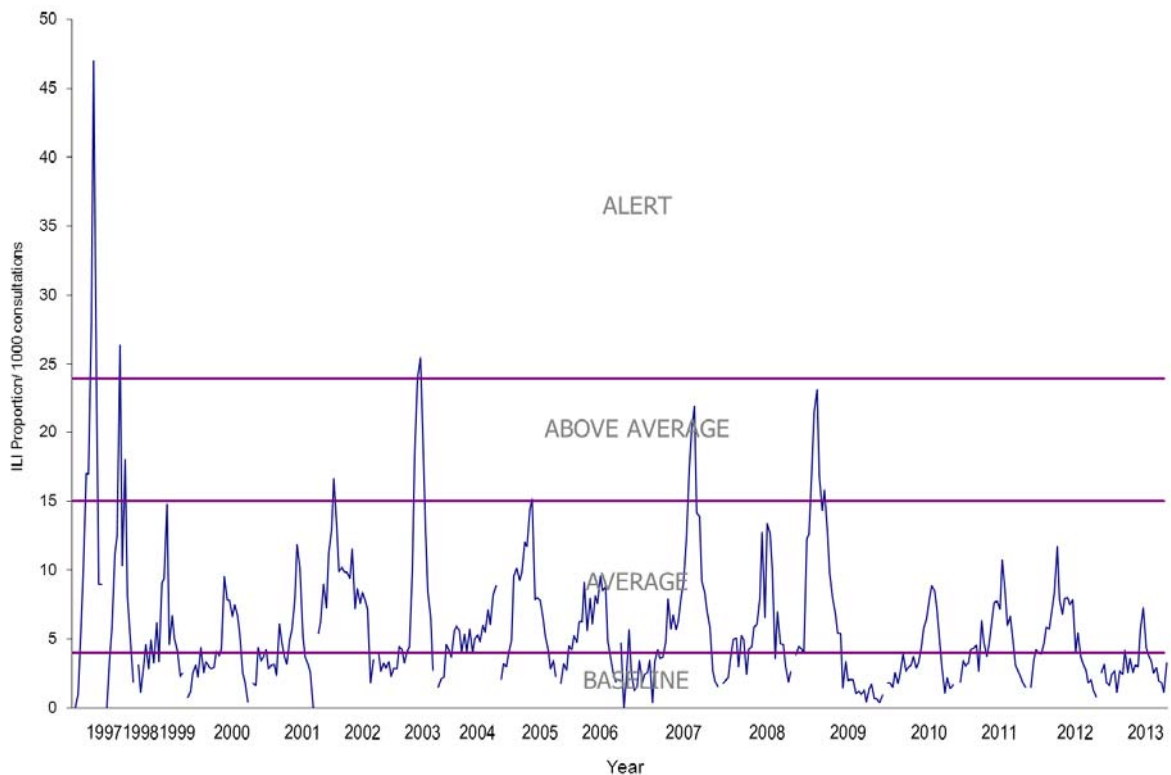
# The 2013 Victorian Influenza Vaccine Effectiveness Audit Report

Available at: [www.victorianflusurveillance.com.au](http://www.victorianflusurveillance.com.au) and [www.vidrl.org.au](http://www.vidrl.org.au)

**Table 1: Summary of reporting from general practice sentinel sites, 2013 influenza season**

This Week	Metropolitan	Rural	Total
Proportion of general practitioners notifying	65/87	15/26	80/113
Total patients with ILI	13	3	16
Total patients seen	3742	1146	4888
Consultation rate for ILI (per 1000 patients)	3.5	2.6	3.3
Number of specimens received			5
Number positive for influenza (%)			1 (20%)
<b>This season so far (29/4/13 – 27/10/13)</b>			
Number of specimens received			362
Number positive for influenza (%)			80 (22%)

## Influenza-like illness 1997 to 2013



**Figure 2. ILI presentation rates at metropolitan and rural general practice sentinel sites, 1997 to 2013**

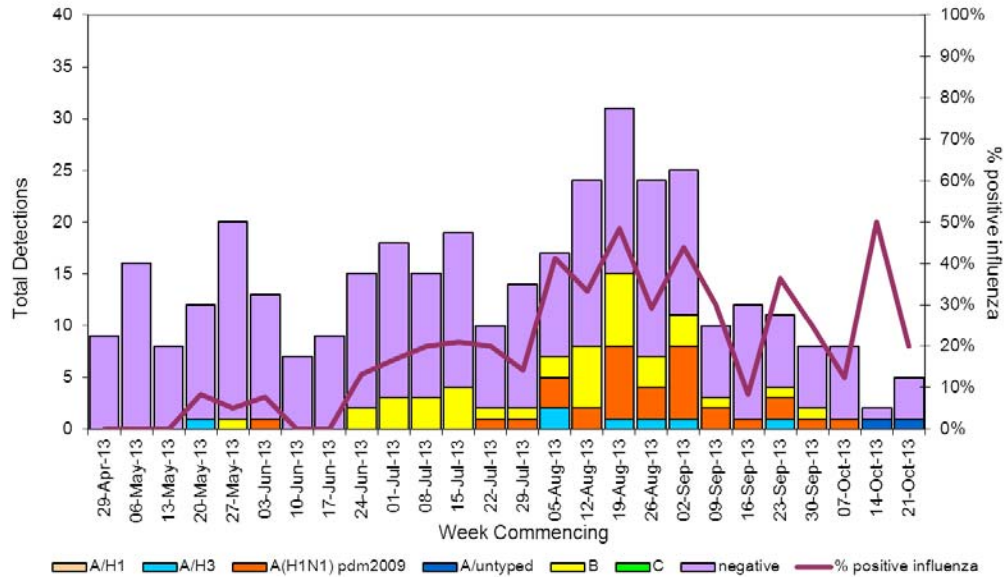


# The 2013 Victorian Influenza Vaccine Effectiveness Audit Report

**VIDRL**  
Victorian Infectious Diseases  
Reference Laboratory

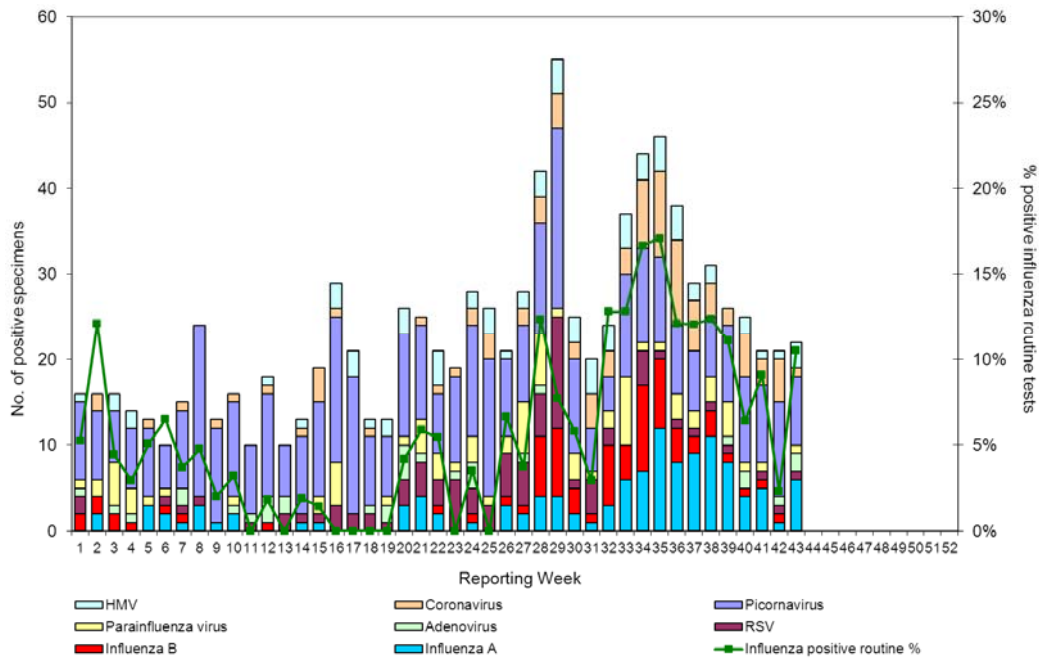
Available at: [www.victorianflusurveillance.com.au](http://www.victorianflusurveillance.com.au) and [www.vidrl.org.au](http://www.vidrl.org.au)

## Laboratory detection of influenza viruses from GP sentinel surveillance



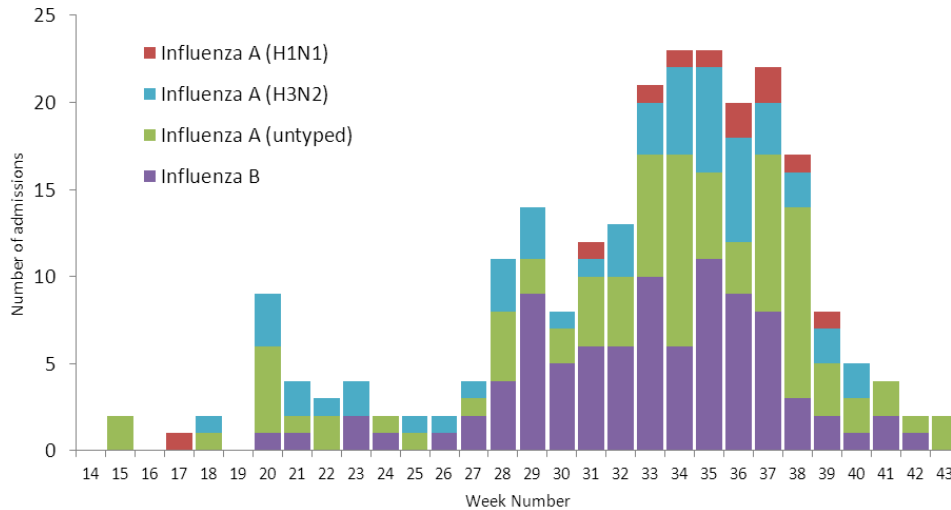
**Figure 3. Laboratory testing results, swabs collected from ILI patients presenting at general practice sentinel sites, 2013 influenza season**

## Laboratory detection of viruses from all respiratory PCR samples tested at VIDRL



**Figure 4. Laboratory testing results, routine respiratory swabs collected from patients across Victoria, 2013 influenza season**

## The Influenza Complications Network (FluCAN)



**Figure 5. Number of admissions to the Victorian FluCAN sentinel hospitals for patients with confirmed influenza in 2013**

		Admissions	Mean age
Gender	Male	127	
	Female	113	
Influenza Strain	Influenza A (H1N1)	11	51.4
	Influenza A (untype)	86	54.1
	Influenza B	91	51.4
	Influenza A (H3N2)	52	60.1
Medical comorbidity	Yes	190	
	No	50	
Pregnancy	Yes	6	
	No	234	
ICU	Yes	26	
	No	213	

**Table 3: Summary of admissions for influenza to the FluCAN sentinel hospitals since 19 March 2013**

FluCAN reports data on confirmed influenza cases in four sentinel hospitals throughout Victoria.

### National perspective

There were 23,346 notifications of laboratory confirmed influenza in Australia to the National Notifiable Diseases Surveillance System year to date compared with 25,972 in 2011 and 42,895 in 2012. Of these 5,033 (21%) were from Victoria. The rate of laboratory confirmed notifications per 100,000 population in Victoria is 89.4, compared to a national rate of 106.3. The Southern Hemisphere 2013 influenza vaccine contains the following strains: an A/California/7/2009 (H1N1)pdm09-like virus, A/Victoria/361/2011 (H3N2)-like virus and B/Wisconsin/1/2010-like virus.