

The 2009 Victorian Influenza Vaccine Effectiveness Audit Report

Victorian Infectious Diseases Reference Laboratory

Available at: www.vidri.org.au

Report No 11 Week ending 12/07/09

Summary

- Influenza-like illness (ILI) activity was lower than reported for the previous period, with a presentation rate of 14.4 cases per 1000 patients seen.
- From the swabs received from surveillance GPs to date 307 have been positive for influenza A. Two hundred and thirty one of these have been confirmed as A(H1N1) swl influenza, three as H3 and three as H1 (non-swine derived).
- Where sub-typing data were available, the proportion of influenza detections identified as A(H1N1) swl influenza for the first 11 weeks of surveillance was 87%.
- The total number of laboratory confirmed notifications to the National Notifiable Diseases Surveillance System (NNDSS) to date was 14384, of which 3434 (24%) were from Victoria.

General practice sentinel ILI surveillance

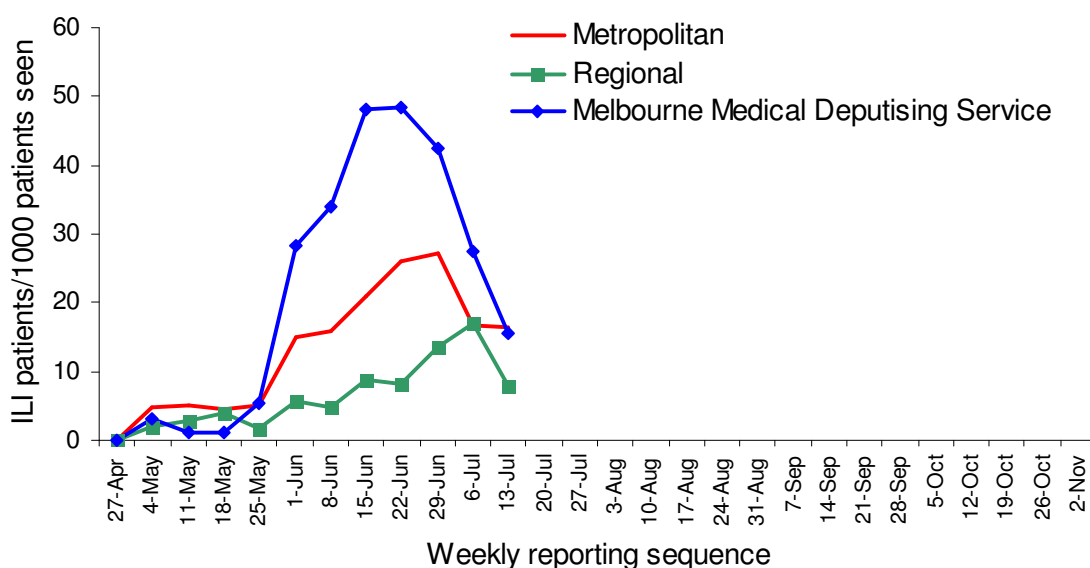


Figure 1. ILI presentation rates at metropolitan and rural general practice sentinel sites and Melbourne Medical Deputising Service visits, 2009 influenza season

This Week	Metropolitan	Rural	Total
Proportion of general practitioners notifying	59/62	19/27	78/89
Total patients with ILI	84	13	97
Total patients seen	5132	1620	6752
Consultation rate for ILI (per 1000 patients)	16.4	8	14.4

Surveillance swabs tested 2009 influenza season

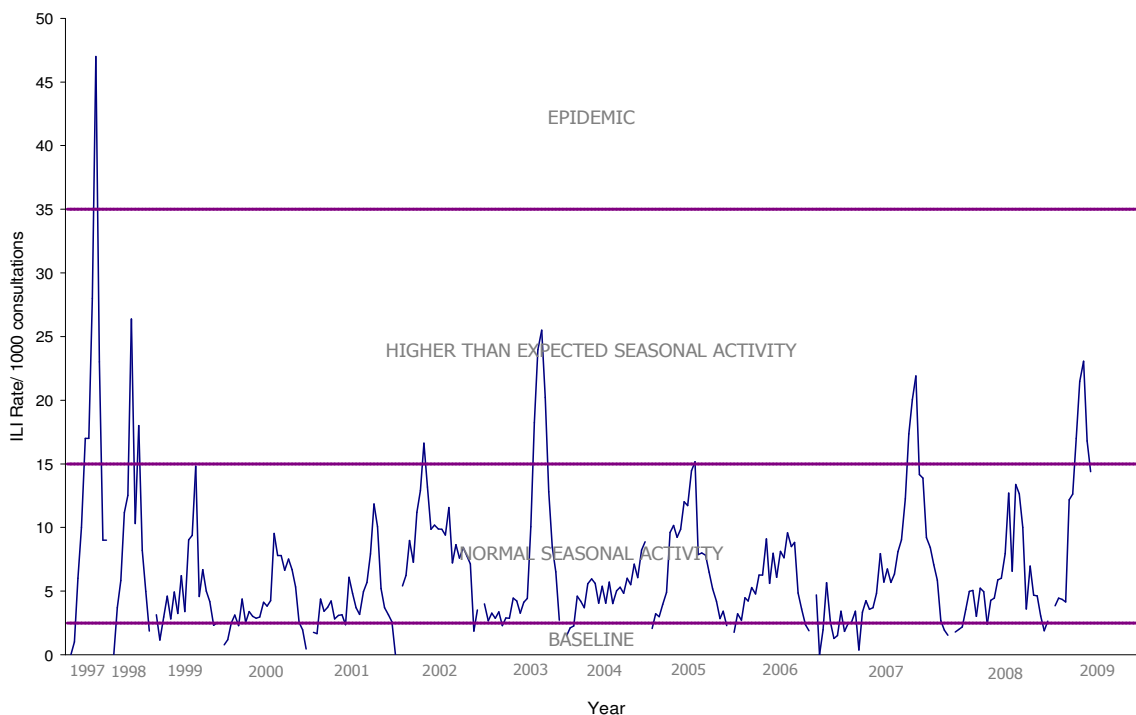
Number of specimens received	704
% positive for influenza	44
% typed swabs positive for A(H1N1) swl	87

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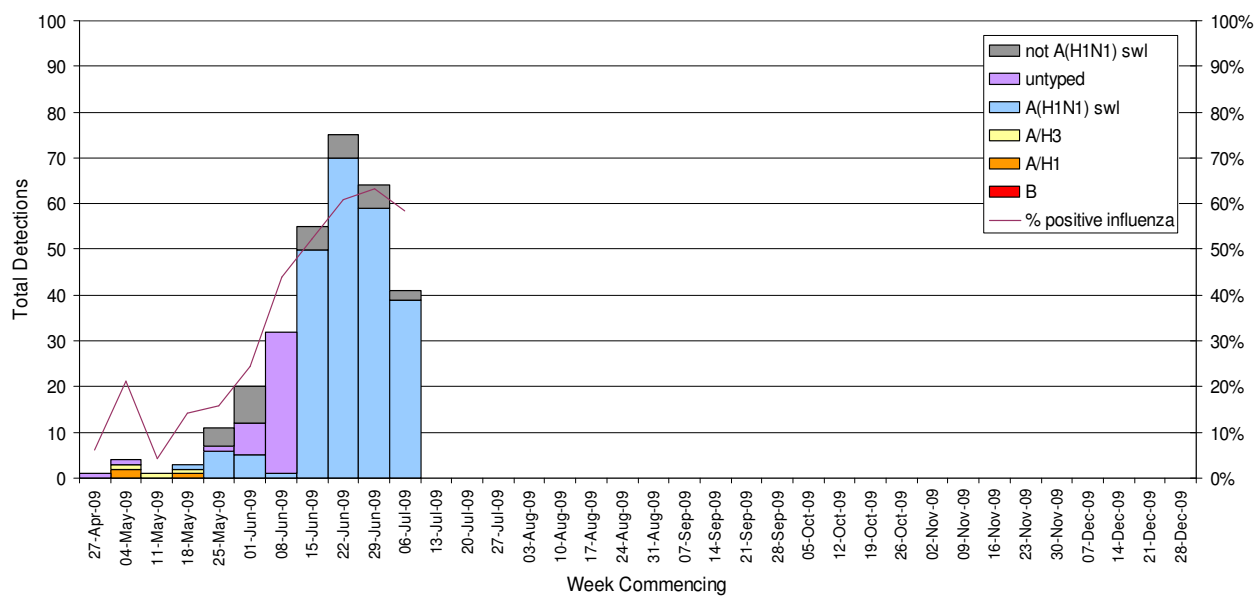
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Influenza-like illness 1997 to 2009



Laboratory detection of respiratory viruses from GP sentinel surveillance

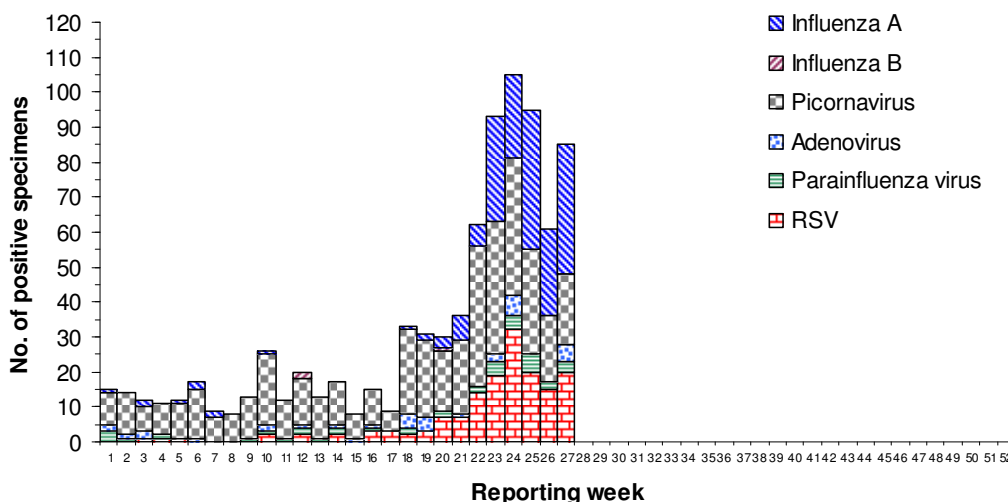


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Laboratory detection of viruses from all respiratory PCR samples tested at VIDRL



National perspective

There were 4368 laboratory confirmed notifications of influenza in Australia to the National Notifiable Diseases Surveillance System in July so far compared with 651 in 2008. To date there have been 14384 notifications in total; 3434 (24%) of these were from Victoria. The rate of laboratory confirmed notifications per 100,000 population in Victoria is 64.8, compared to a national rate of 67.3.

Google Flu Trends

Google flu trends shows the highest level of influenza activity in Australia is in South Australia. Flu trends also indicates a slight increase in influenza activity in Victoria this week. More information can be found at http://www.google.org/flutrends/intl/en_au/. Google used historical seasonal ILI data from Victorian Sentinel Surveillance to develop Flu Trends Australia.

