

NATIONAL GP SENTINEL SURVEILLANCE FORTNIGHTLY REPORT

Combining data from The Australian Sentinel Practices Research Network and jurisdictional surveillance systems SPN(WA), TISS-NT and VIDRL

No. 10, 2015
4th May - 17th May 2015

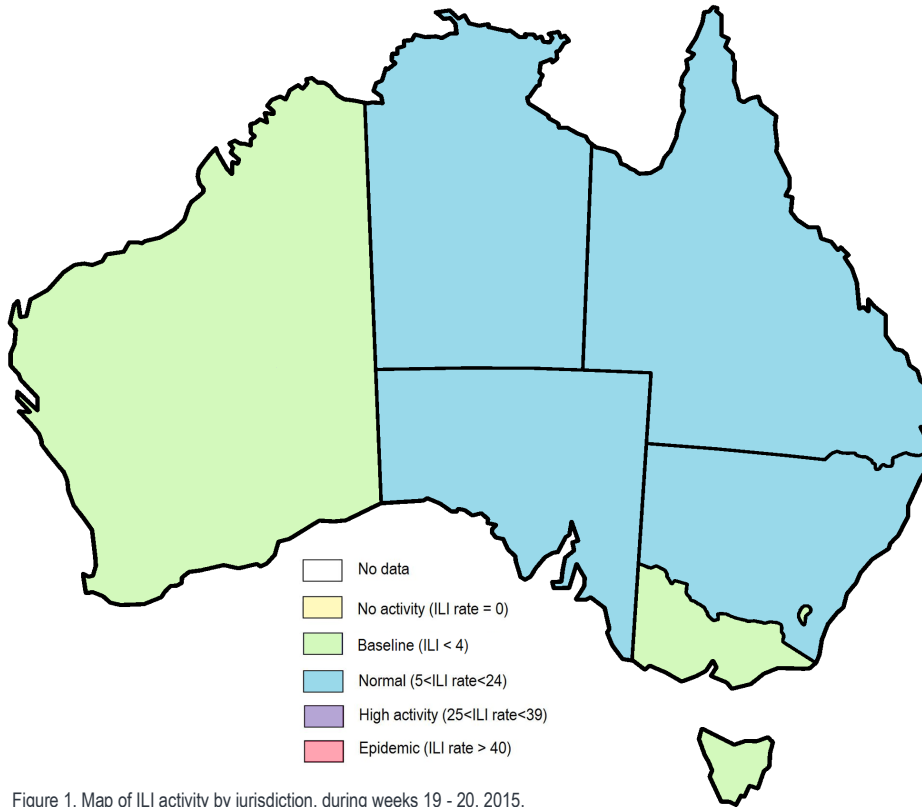


Figure 1. Map of ILI activity by jurisdiction, during weeks 19 - 20, 2015.

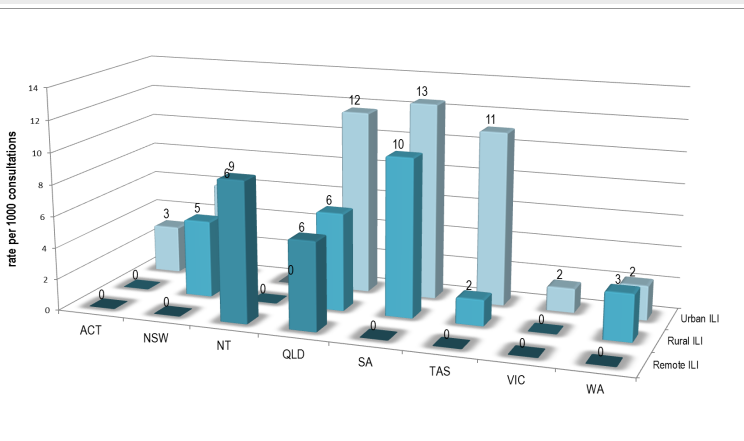


Figure 2. ASPREN + SPN(WA) rate of ILI by area and state, during weeks 19 - 20, 2015.

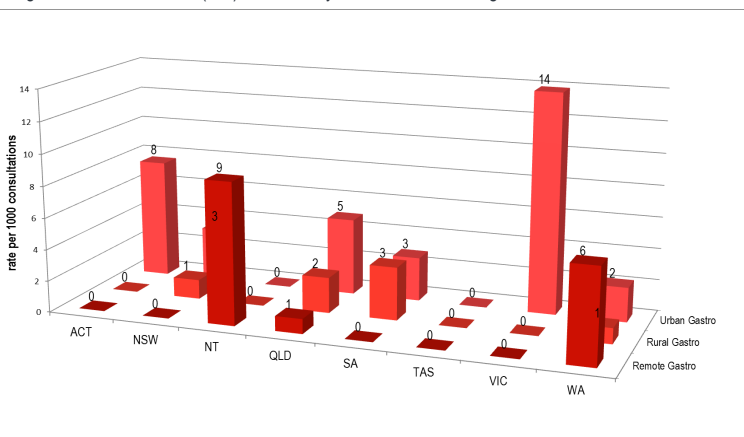


Figure 3. ASPREN + SPN(WA) rate of gastroenteritis by area & state, during weeks 19 - 20, 2015.

Please note: This report is based on data available as at 26 May 2015. Delays in the reporting of data may cause data to change retrospectively.

NATIONAL SUMMARY



Influenza-Like-Illness levels increased above baseline level.

22

Cases of influenza have been detected in this reporting period:
6 x Influenza A
16 x Influenza B

16%

Influenza positivity during the reporting period.

56

Cases of influenza have been detected in 2015:
30 x Influenza A
26 x Influenza B



Gastroenteritis levels increased above baseline level.

SYNDROMIC SURVEILLANCE

REPORTING

Reports were received from 252 GPs from 8 states and territories during the reporting period. During weeks 19 and 20 a total of 19,809 and 18,821 consultations were made, respectively.

INFLUENZA-LIKE-ILLNESS (ILI)

Nationally, ILI notifications increased over the period with 91 and 69 notifications in weeks 19 and 20 respectively. ILI rates reported in this period increased with 7 and 4 cases per 1000 consultations in weeks 19 and 20 respectively, compared to 4 and 2 cases per 1000 consultations in weeks 17 and 18 respectively. For the same reporting period in 2014, ILI rates were the same at 7 and 4 cases per 1000 consultations (see Figure 5). On a state-by-state basis, it is important to note the increased ILI rate in Urban SA (see Figure 2).

GASTROENTERITIS

Nationally, gastro notifications increased over the period with 47 and 37 notifications in weeks 19 and 20 respectively. Gastroenteritis rates reported in this period increased with 6 and 5 cases per 1000 consultations for weeks 19 and 20 respectively, compared to 3 and 2 cases per 1000 consultations for weeks 17 and 18 respectively (see Figure 3).

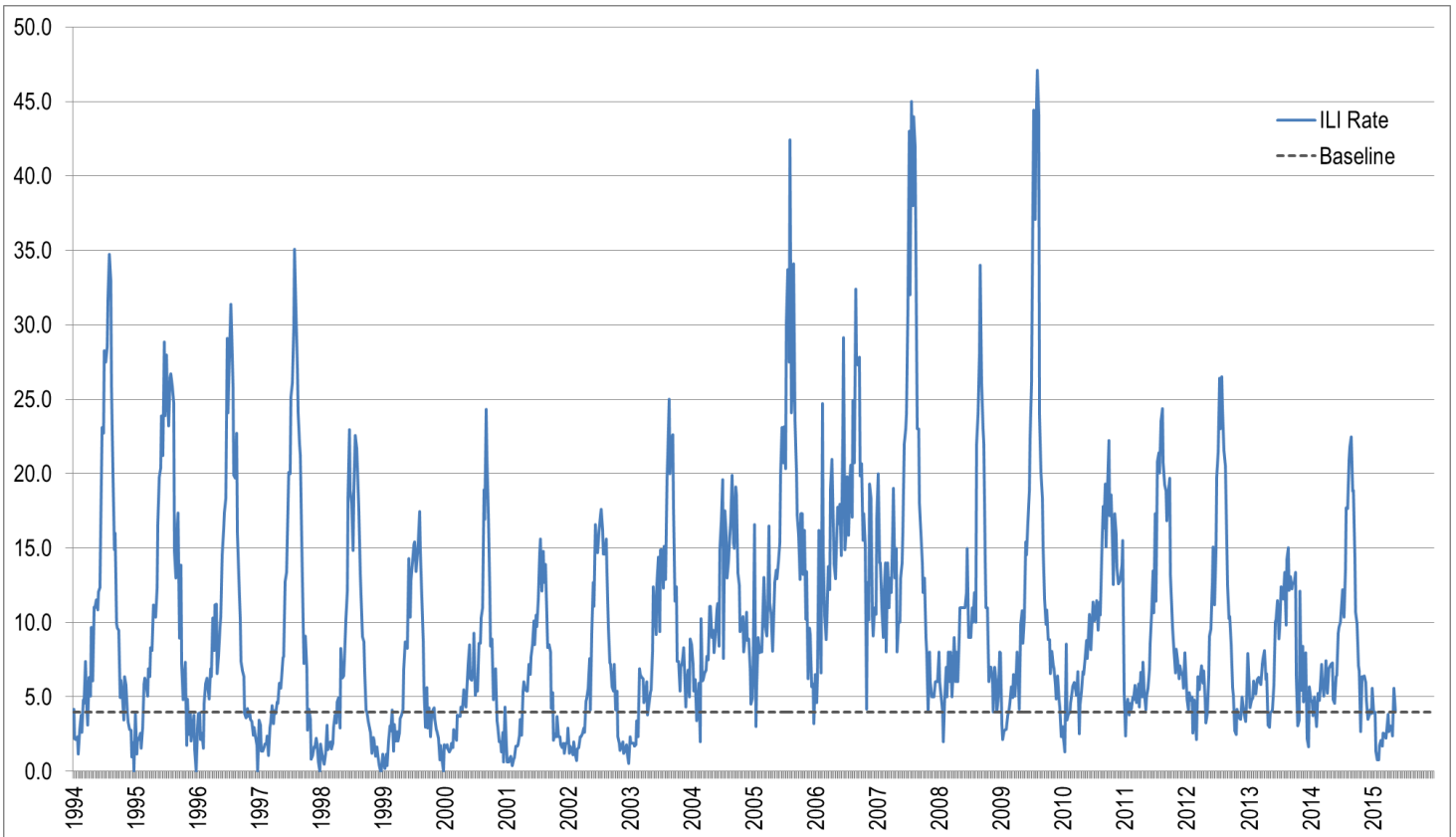


Figure 4. Rates of ILI for ASPREN + SPN(WA) + VIDRL during 1994 - 2015.

Note: From 2013, results are weighted to account for population size differences between jurisdictions, using population estimates from the 2011 Australian Census.

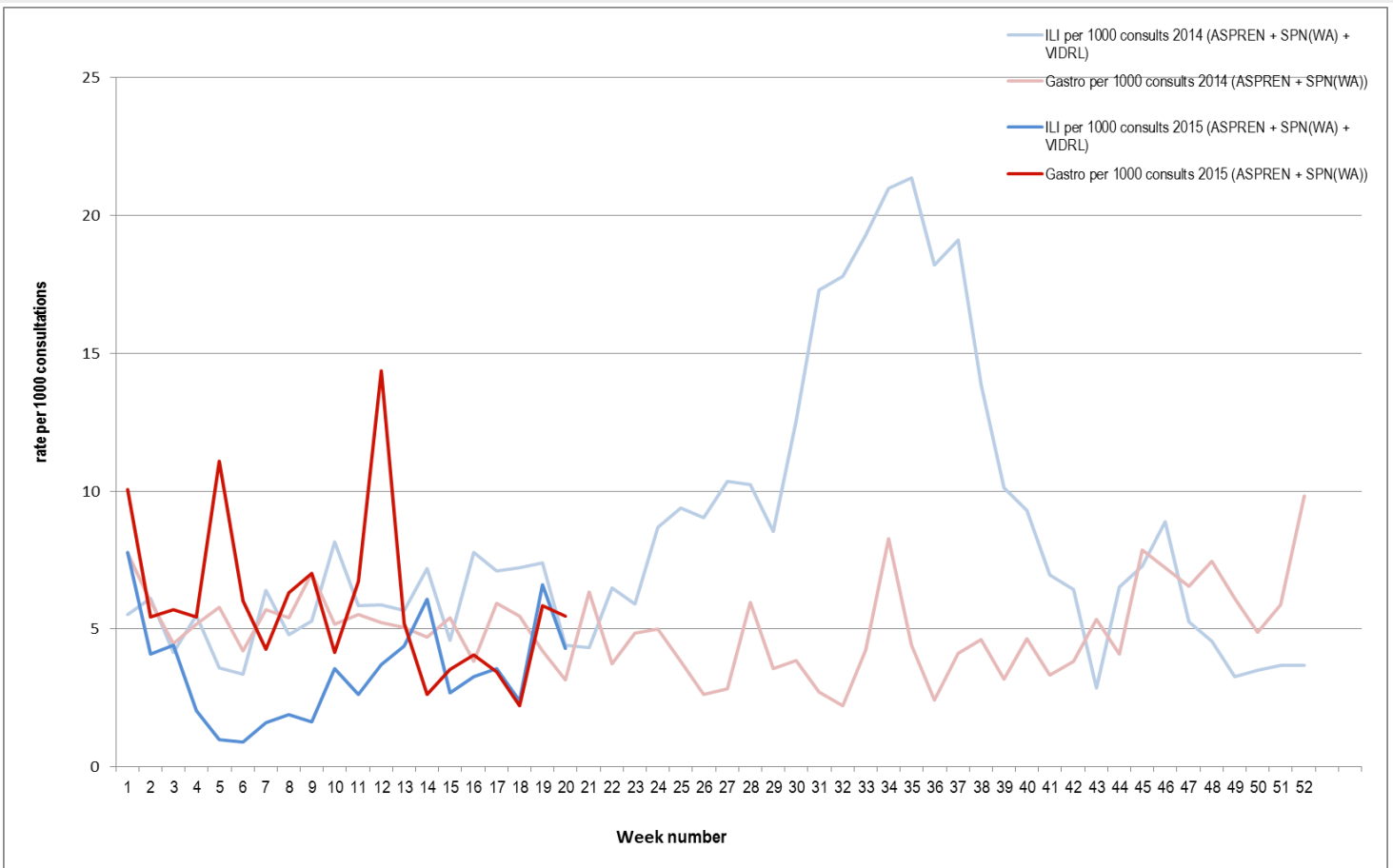


Figure 5. ILI and Gastroenteritis rates 2014-15.

INFLUENZA SWAB TESTING

84% of all ILI patients were swab tested during weeks 19 - 20 (see Figure 6). Notably, there were 22 cases of Influenza detected during this period, 2 Flu A (Untyped), 1 Flu A (H1N1 2009), 3 Flu A (H3N2), and 16 Flu B. There were also 15 cases of Rhinovirus detected, making it the second most common respiratory virus circulating the nation at present (see figure 8).

	Reporting Period	YTD
	4 May 2015 - 17 May 2015	1 Jan 2015 - 17 May 2015
Total number of ILI notifications	160	748
Number of swab tests performed	135	443
% ILI patients tested	84%	59%
% of swab tests positive for influenza	16%	13%

Figure 6. ASPREN + SPN(WA) swab testing results overview for 2015.

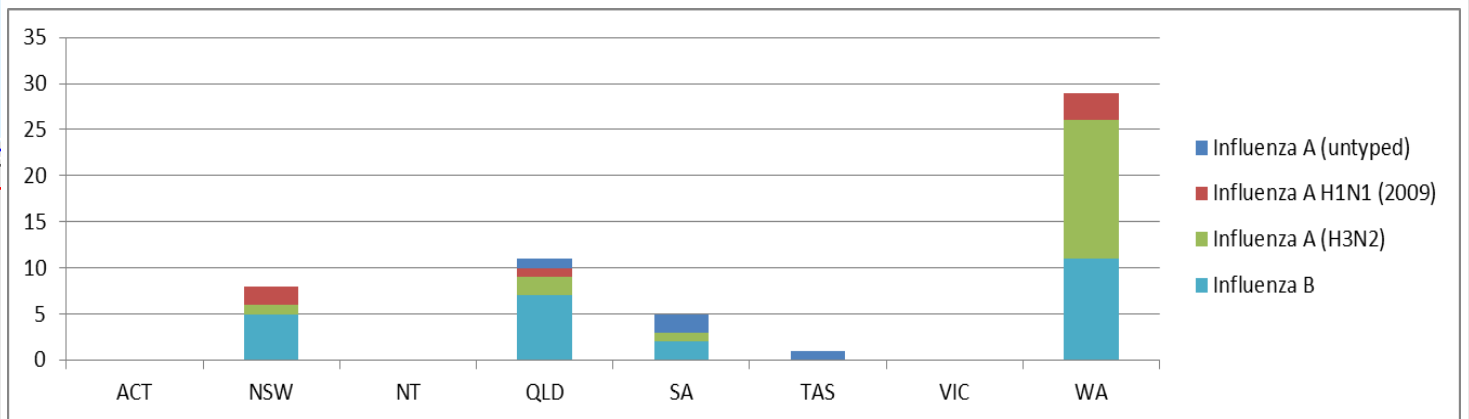


Figure 7. ASPREN + SPN(WA) + VIDRL influenza subtype analysis by jurisdiction for 2015.

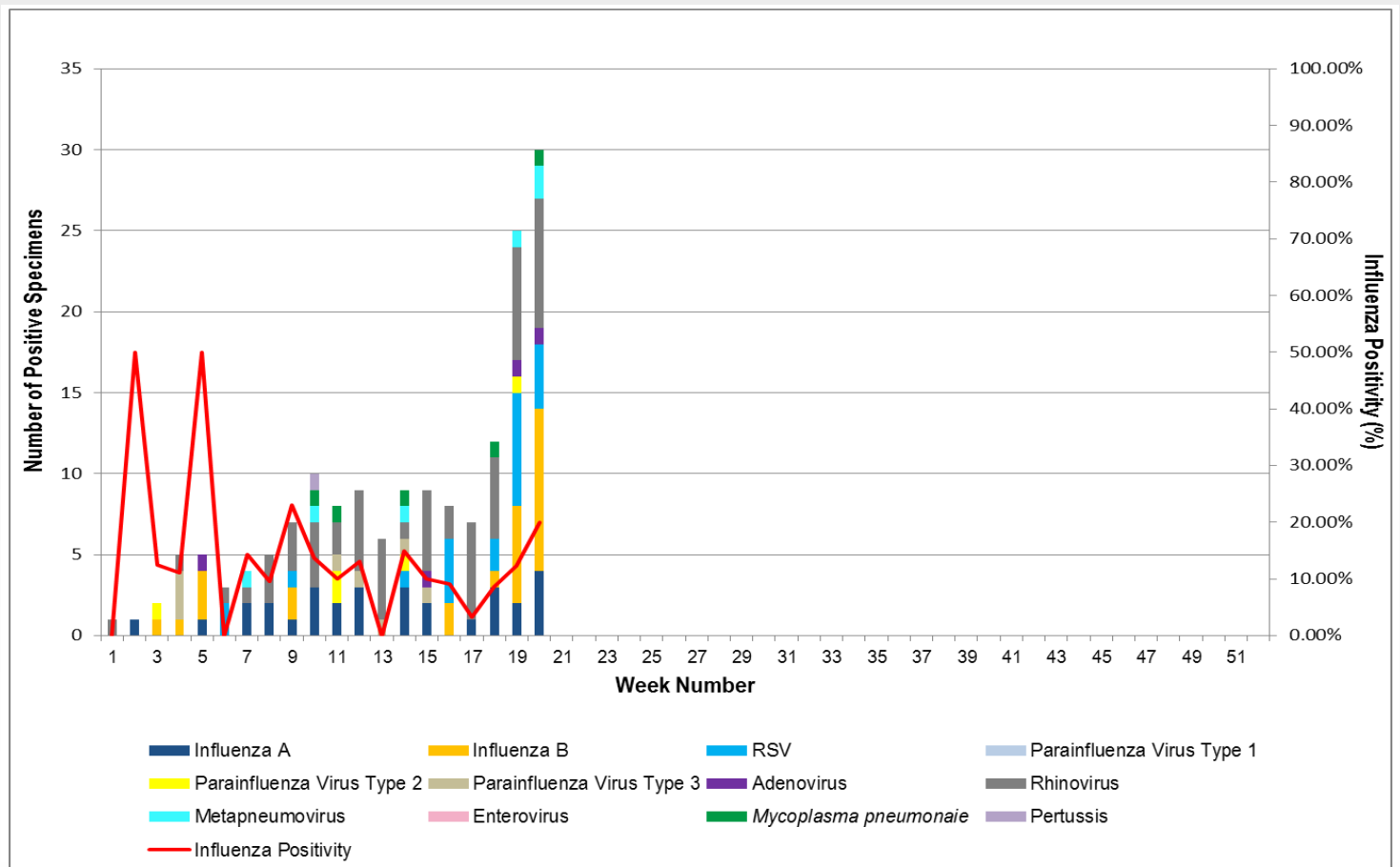


Figure 8. ASPREN + SPN(WA) + VIDRL laboratory detection of influenza and other respiratory viruses during 2015.