

INFLUENZA SURVEILLANCE SUMMARY - MAY 2015

During May (weeks 18–22), 214 consultations for influenza-like illness were reported from 55 general practices (on average) in 18 of the 20 District Health Boards (DHB). The average monthly consultation rate for May was 14.5 per 100 000 patient population.

Figure 1 compares the average monthly consultation rates for influenza-like illness for each DHB during May. Northland had the highest consultation rate (63.1 per 100 000, 4 cases), followed by South Canterbury (55.8 per 100 000, 22 cases) and Wairarapa (31.6 per 100 000, 38 cases).

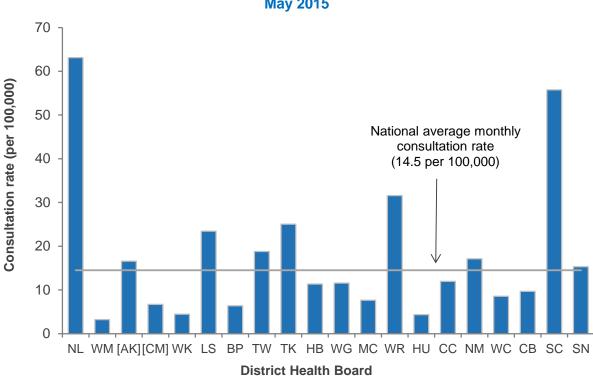


Figure 1. Average monthly consultation rates for influenza-like illness by DHB,
May 2015

Note: Auckland (AK) and Counties Manukau (CM) DHBs follow the Southern Hemisphere Influenza and Vaccine Effectiveness Research and Surveillance (SHIVERS) case definition which is different from this sentinel surveillance. Based on the SHIVERS weekly report, the ILI incidence for Auckland and Counties Manukau DHBs for May were 16.6 per 100,000 and 6.7 per 100,000 patient populations, respectively. For more details, please refer to the website: http://www.esr.cri.nz/competencies/shivers/Pages/SHIVERSReports.aspx

Figure 2 shows the national weekly consultation rates to the end of week 22, May 2015 in comparison to the previous years, 2010–2014.

180 2010 160 2011 Consultation rate (per 100,000) 2012 140 2013 120 2014 2015 100 80 Seasonal threshold 60 40 20 0 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 May Sep

Week

Figure 2. Weekly consultation rates for influenza-like illness in New Zealand, 2010–2015

VIROLOGICAL SURVEILLANCE

A total of 81 swabs were received by virology laboratories from sentinel surveillance. Nine influenza viruses were identified: B (5) including two B/Massachusetts/2/2012-like, B/Yamagata lineage (1), B/Brisbane/60/2008-like (1), A(H3N2) (3) and A (not sub-typed) (1). The distribution by DHB is shown in Table 1.

Table 1. Influenza viruses from sentinel surveillance for May by DHB

Antigonio Strain		Total						
Antigenic Strain	TK	CC	NM	СВ	SN	Total		
A (not sub-typed)	1	0	0	0	0	1		
A(H3N2)	1	1	0	0	1	3		
B (not lineage-typed)	0	0	0	1	0	1		
B/Brisbane/60/2008-like	0	1	0	0	0	1		
B/Yamagata lineage	0	0	1	0	0	1		
B/Massachusetts/2/2012-like	1	1	0	0	0	2		
Total	3	3	1	1	1	9		

In addition, 1145 swabs were received by virology laboratories from non-sentinel surveillance. Of these, 32 influenza viruses were identified: B (13) including one B/Massachusetts/2/2012-like, A(H3N2) (10), A (not sub-typed) (8), and A(H1N1)pdm09 (1). The distribution by DHB is shown in Table 2.

Table 2. Influenza viruses from non-sentinel surveillance for May by DHB

Antigonio Strain	DHB								Total	
Antigenic Strain	AK	CM	WK	LS	ВР	TK	HU	CC	СВ	IOlai
A (not sub-typed)	4	1	1	0	2	0	0	0	0	8
A(H1N1)pdm09	0	0	0	0	0	0	0	0	1	1
A(H3N2)	3	1	1	1	0	1	0	2	1	10
B (not lineage-typed)	5	4	1	0	1	0	1	0	0	12
B/Massachusetts/2/2012-like	1	0	0	0	0	0	0	0	0	1
Total	13	6	3	1	3	1	1	2	2	32

Table 3. DHB codes and Abbreviations

DHB code	DHB			
NL	Northland			
WM	Waitemata			
AK	Auckland			
СМ	Counties Manukau			
WK	Waikato			
LS	Lakes			
BP	Bay of Plenty			
TW	Tairawhiti			
TK	Taranaki			
НВ	Hawke's Bay			
WG	Whanganui			
MC	MidCentral			
WR	Wairarapa			
HU	Hutt Valley			
CC	Capital and Coast			
NM	Nelson Marlborough			
WC	West Coast			
СВ	Canterbury			
SC	South Canterbury			
SN	Southern			

Compiled by:

Liza Lopez
Health Intelligence Team
ESR Kenepuru Science Centre
PO Box 50 348, Porirua
T: 04 914 0647 F: 04 978 6690 E: liza.lopez@esr.cri.nz