

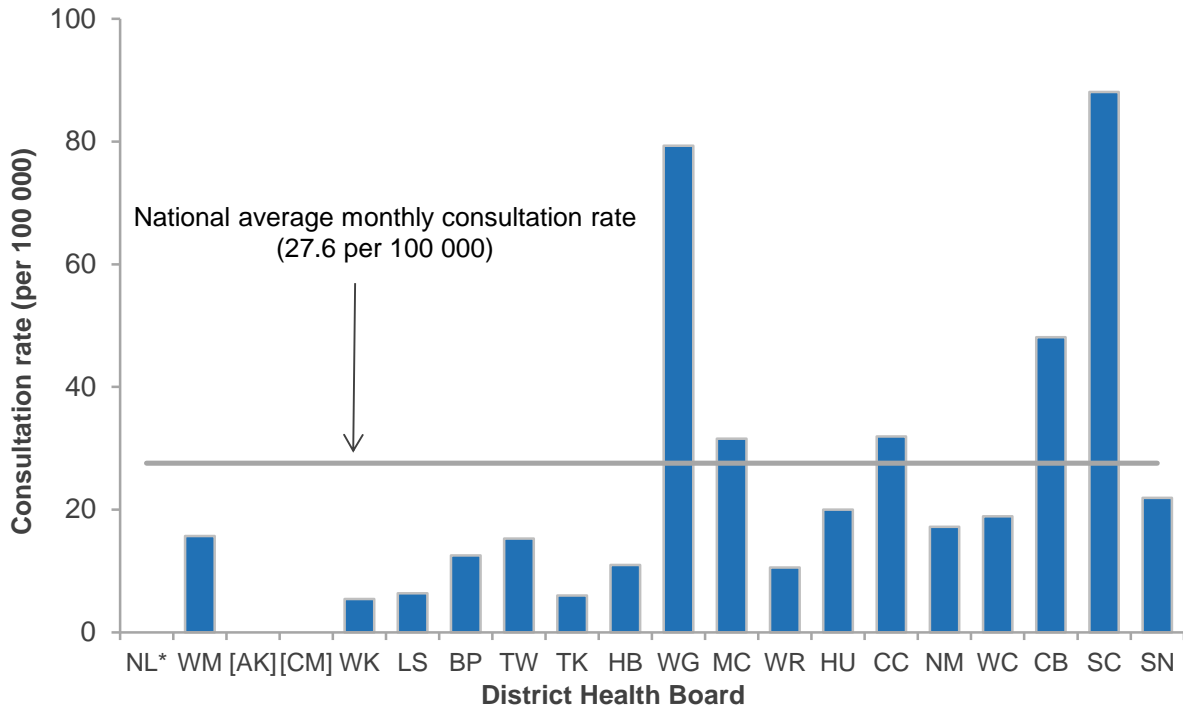


# INFLUENZA SURVEILLANCE SUMMARY - SEPTEMBER 2014

During September (weeks 36–39), 329 consultations for influenza-like illness were reported from 58 general practices (on average) in 17 of the 20 District Health Boards (DHB). The average monthly consultation rate for September was 27.6 per 100 000 patient population.

Figure 1 compares the average monthly consultation rates for influenza-like illness for each DHB during September. South Canterbury had the highest consultation rate (88.1 per 100 000, 32 cases), followed by Whanganui (79.4 per 100 000, 15 cases), and Canterbury (48.1 per 100 000, 129 cases).

**Figure 1: Average monthly consultation rates for influenza-like illness by DHB, September 2014**

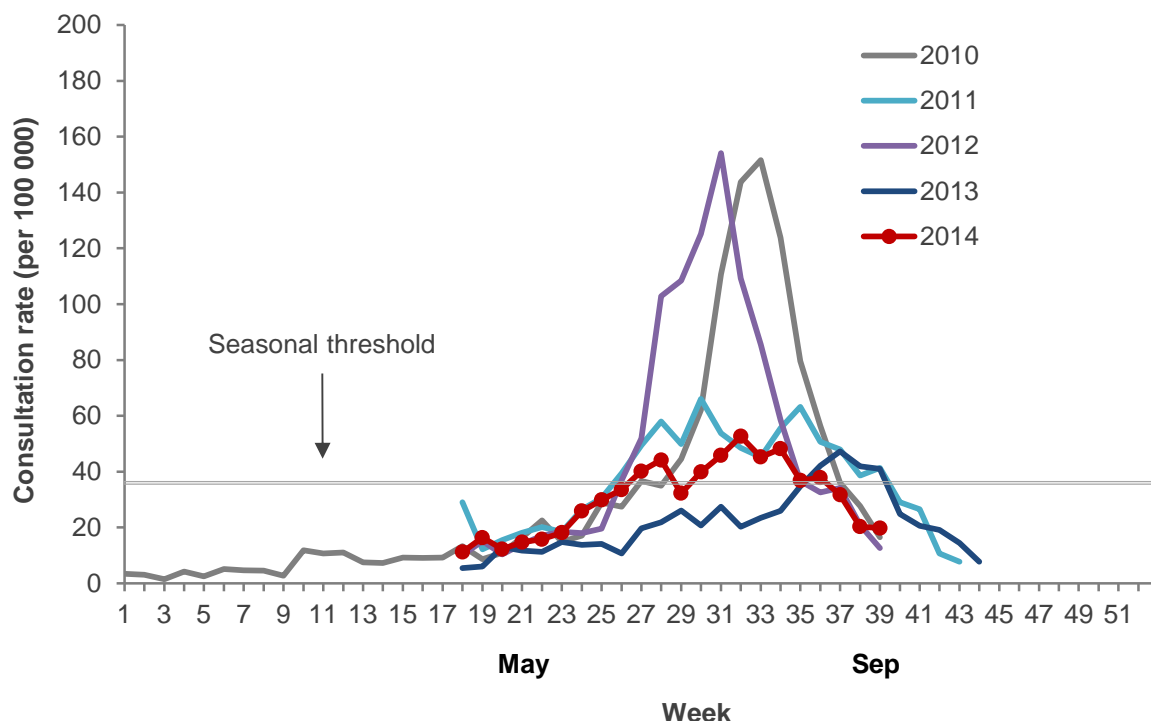


\* Not participating in the influenza sentinel surveillance.

[ ] Participating in SHIVERS. Based on the SHIVERS weekly report, the ILI incidence for Auckland and Counties Manukau DHBs for September were 312.6 per 100 000 and 75.3 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 39, September 2014 in comparison to the previous years, 2010–2013.

**Figure 2: Weekly consultation rates for influenza-like illness in New Zealand, 2010–2014**



## VIROLOGICAL SURVEILLANCE

A total of 117 swabs were received by virology laboratories from sentinel surveillance. Fifty-four influenza viruses were identified: A(H3N2) (28) including two A/Texas/50/2012 (H3N2)-like viruses, A(H1N1)pdm09 (9) including one A/California/7/2009 (H1N1)-like, A (not sub-typed) (13), B/Massachusetts/02/2012-like (B/Yamagata lineage) (1) and B (not lineage typed) (3). The distribution by DHB is shown in Table 1.

**Table 1: Influenza viruses from sentinel surveillance for September by DHB**

Antigenic strain	DHB											Total
	WM	LS	BP	TK	HB	WG	MC	CC	WC	CB	SN	
A (not sub-typed)	1	0	2	1	2	1	1	2	0	0	3	13
A(H1N1)pdm09	0	0	0	0	0	0	0	1	2	5	0	8
A/California/7/2009	0	0	0	0	1	0	0	0	0	0	0	1
A(H3N2)	0	0	0	0	0	6	0	0	1	19	0	26
A/Texas/50/2012	0	1	0	0	0	0	0	1	0	0	0	2
B (not lineage typed)	0	0	0	0	0	0	0	0	0	3	0	3
B/Massachusetts/02/2012	1	0	0	0	0	0	0	0	0	0	0	1
<b>Total</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>7</b>	<b>1</b>	<b>4</b>	<b>3</b>	<b>27</b>	<b>3</b>	<b>54</b>

In addition, 2303 swabs were received by virology laboratories from non-sentinel surveillance. Of these, 707 influenza viruses were identified: A(H3N2) (278) including two A/Texas/50/2012 (H3N2)-like viruses, A(H1N1)pdm09 (184) including one A/California/7/2009 (H1N1)-like, A (not sub-typed) (116), B/Yamagata lineage (25) including 10 B/Massachusetts/02/2012-like, B/Victoria lineage (1), and B (not lineage typed) (103). The distribution by DHB is shown in Table 2.

**Table 2: Influenza viruses from non-sentinel surveillance for September by DHB**

Antigenic strain	DHB														Total
	WM	AK	CM	WK	LS	BP	TK	HB	MC	CC	NM	CB	SC	SN	
A (not sub-typed)	0	43	5	25	8	31	0	0	0	4	0	0	0	0	<b>116</b>
A(H1N1)pdm09	0	76	39	1	0	0	6	1	1	18	1	38	1	1	<b>183</b>
A/California/7/2009	0	1	0	0	0	0	0	0	0	0	0	0	0	0	<b>1</b>
A(H3N2)	0	57	69	0	0	0	1	0	1	38	0	107	1	2	<b>276</b>
A/Texas/50/2012	0	2	0	0	0	0	0	0	0	0	0	0	0	0	<b>2</b>
B (not lineage typed)	0	28	37	5	1	3	0	0	0	17	0	11	0	1	<b>103</b>
B/Massachusetts/02/2012	1	9	0	0	0	0	0	0	0	0	0	0	0	0	<b>10</b>
B/Yamagata	0	14	1	0	0	0	0	0	0	0	0	0	0	0	<b>15</b>
B/Victoria	0	1	0	0	0	0	0	0	0	0	0	0	0	0	<b>1</b>
<b>Total</b>	<b>1</b>	<b>231</b>	<b>151</b>	<b>31</b>	<b>9</b>	<b>34</b>	<b>7</b>	<b>1</b>	<b>2</b>	<b>77</b>	<b>1</b>	<b>156</b>	<b>2</b>	<b>4</b>	<b>707</b>

**Table 3: DHB codes and Descriptions**

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

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