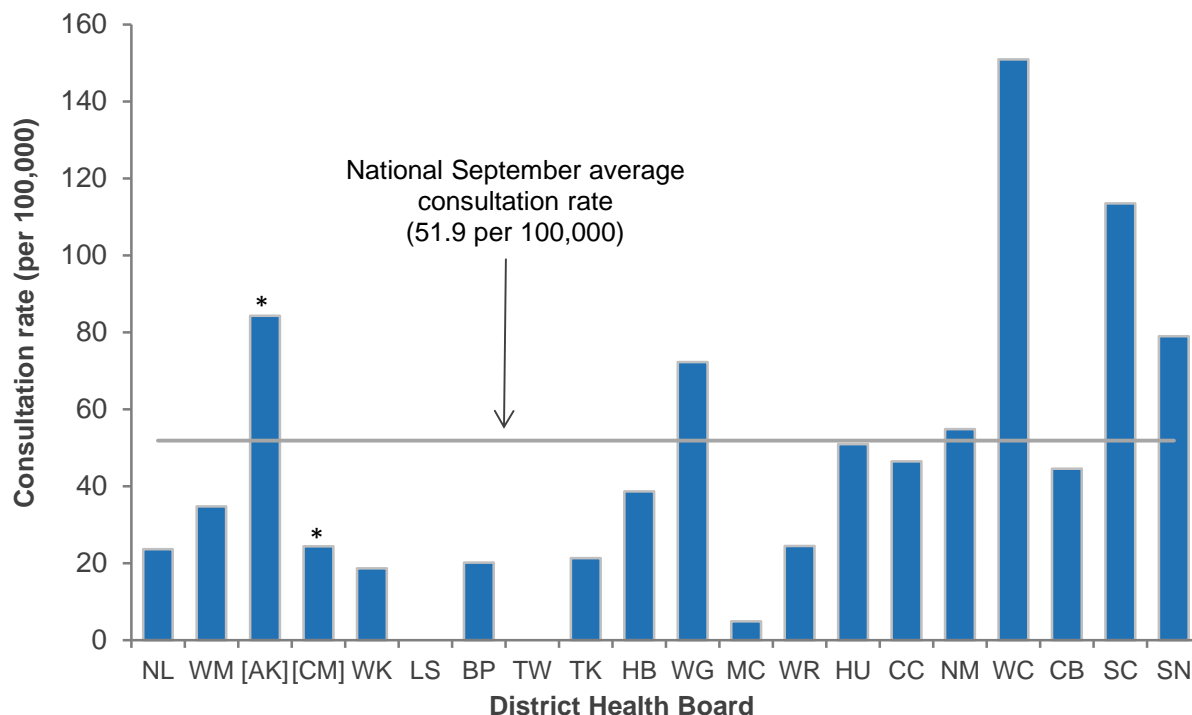


# INFLUENZA SURVEILLANCE SUMMARY - SEPTEMBER 2015

During September (weeks 36–39), 646 consultations for influenza-like illness were reported from 57 general practices (on average) in 18 of the 20 District Health Boards (DHB). The average monthly consultation rate for September was 51.9 per 100,000 patient population.

Figure 1 compares the average monthly consultation rates for influenza-like illness for each DHB during September. West Coast (150.9 per 100,000, 95 cases) and South Canterbury (113.5 per 100,000, 39 cases) DHBs had the highest consultation rates.

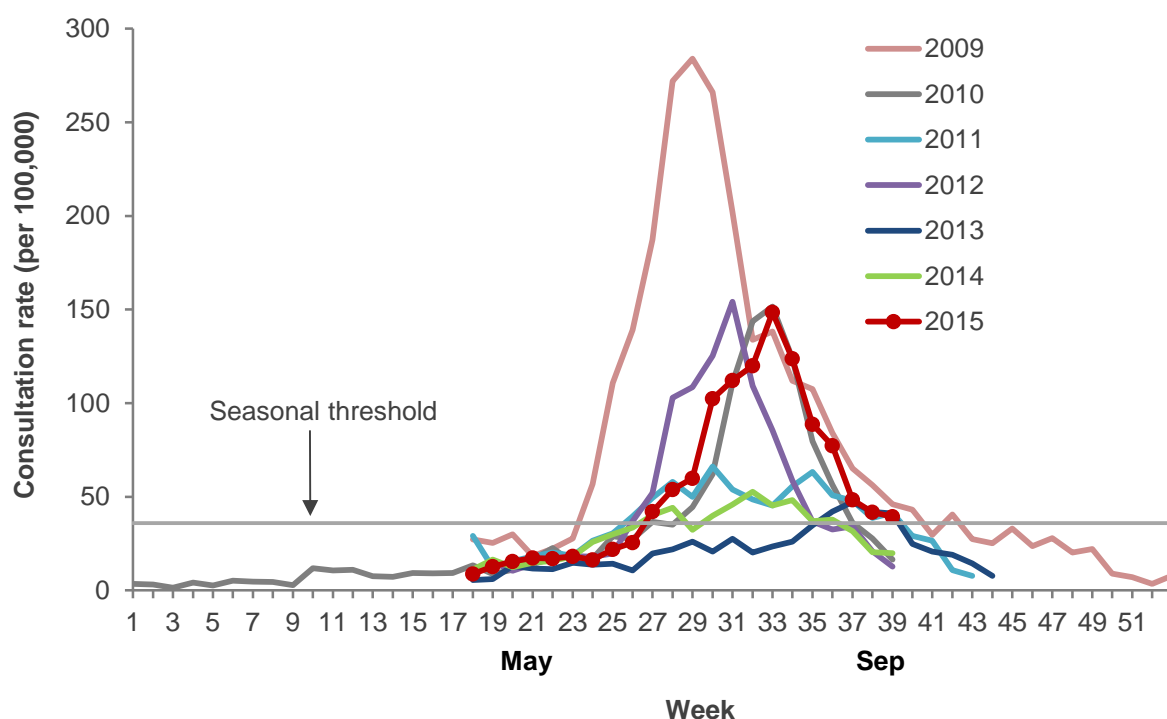
**Figure 1. Average monthly consultation rates for influenza-like illness by DHB, September 2015**



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 September were 84.3 per 100,000 and 24.4 per 100,000 patient populations, respectively. For more details, please refer to the website: <http://www.esr.cri.nz/health-science/our-work/shivers/reports/>

Figure 2 shows the national weekly consultation rates to the end of week 39, September 2015 in comparison to the previous years, 2009–2014.

**Figure 2. Weekly consultation rates for influenza-like illness in New Zealand, 2009–2015**



## VIROLOGICAL SURVEILLANCE

A total of 163 swabs were received by virology laboratories from sentinel surveillance. 59 influenza viruses were identified: B/Victoria lineage (16) including seven B/Brisbane/60/2008-like, B/Yamagata lineage (4) including three B/Phuket/3073/2013-like, B (not lineage typed) (18), A(H3N2) (17), A(H1N1)pdm09 (1), and A (not sub-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
	NL	WM	WK	TK	HB	WG	MC	WR	HU	CC	NM	CB	SN	
A (not sub-typed)	0	0	0	0	0	0	0	0	0	2	0	0	1	<b>3</b>
A(H1N1)pdm09	0	0	0	0	0	0	0	0	0	0	0	1	0	<b>1</b>
A(H3N2)	0	0	0	1	0	0	1	1	0	2	1	10	1	<b>17</b>
B (not lineage typed)	1	0	1	1	1	0	1	2	0	2	2	7	0	<b>18</b>
B/Victoria lineage	2	1	0	0	0	0	0	3	1	2	0	0	0	<b>9</b>
B/Brisbane/60/2008-like	0	1	0	0	0	0	0	1	0	2	0	3	0	<b>7</b>
B/Yamagata lineage	0	0	0	0	0	1	0	0	0	0	0	0	0	<b>1</b>
B/Phuket/3073/2013-like	0	1	0	0	0	1	0	0	0	0	0	1	0	<b>3</b>
<b>Total</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>7</b>	<b>1</b>	<b>10</b>	<b>3</b>	<b>22</b>	<b>2</b>	<b>59</b>

In addition, 3255 swabs were received by virology laboratories from non-sentinel surveillance. Of these, 889 influenza viruses were identified: B/Victoria lineage (53) including 15 B/Brisbane/60/2008-like, B/Yamagata lineage (34) including nine B/Phuket/3073/2013-like, B (not lineage typed) (579), A(H3N2) (176) including two A/Texas/50/2012 (H3N2)-like, A(H1N1)pdm09 (4), and A (not sub-typed) (43). 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
	AK	CM	WK	LS	BP	TK	HB	MC	HU	CC	NM	WC	CB	SC	SN	
A (not sub-typed)	20	2	0	0	4	0	0	0	4	12	0	0	1	0	0	<b>43</b>
A(H1N1)pdm09	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	<b>4</b>
A(H3N2)	60	31	2	0	2	2	1	8	0	0	3	1	60	1	3	<b>174</b>
A/Texas/50/2012 (H3N2)-like	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	<b>2</b>
B (not lineage typed)	206	130	23	12	33	12	2	23	18	58	1	3	57	0	1	<b>579</b>
B/Victoria lineage	32	0	0	0	4	0	0	0	0	2	0	0	0	0	0	<b>38</b>
B/Brisbane/60/2008-like	5	7	0	0	0	0	0	0	0	0	0	0	3	0	0	<b>15</b>
B/Yamagata lineage	20	2	0	0	3	0	0	0	0	0	0	0	0	0	0	<b>25</b>
B/Phuket/3073/2013-like	3	4	0	0	1	0	0	0	0	0	0	0	1	0	0	<b>9</b>
<b>Total</b>	<b>346</b>	<b>180</b>	<b>25</b>	<b>12</b>	<b>47</b>	<b>14</b>	<b>3</b>	<b>31</b>	<b>22</b>	<b>72</b>	<b>4</b>	<b>4</b>	<b>124</b>	<b>1</b>	<b>4</b>	<b>889</b>

**Table 3. DHB codes and Abbreviations**

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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