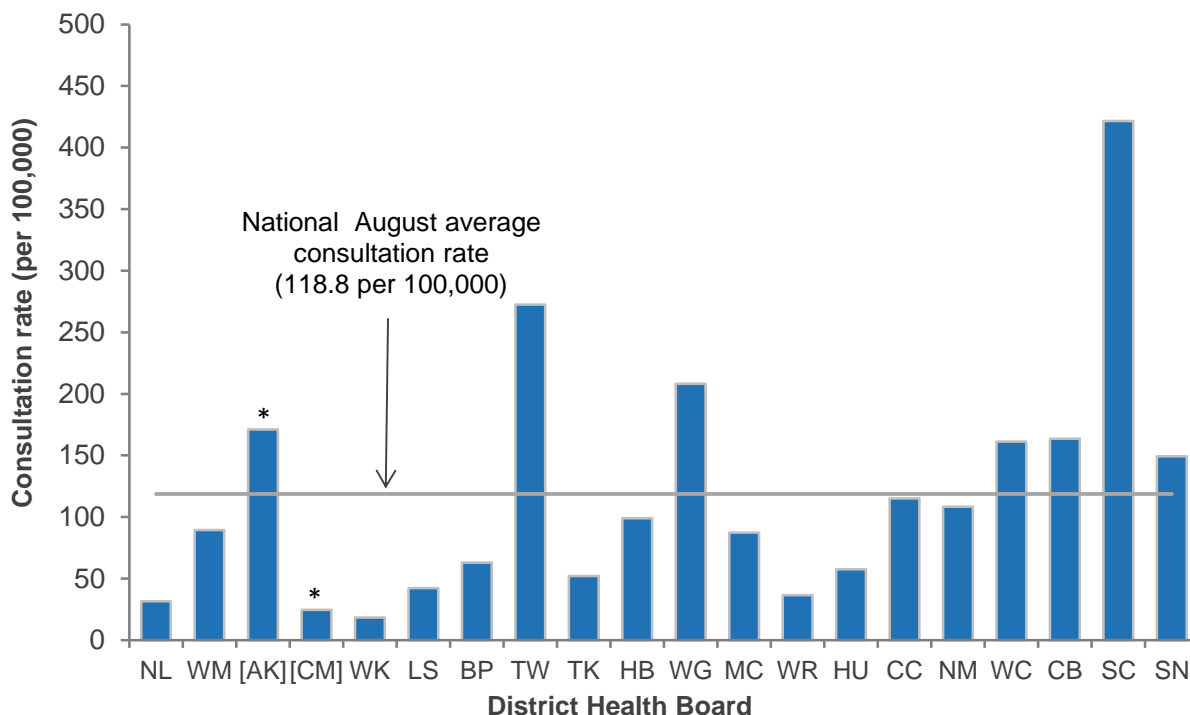


# INFLUENZA SURVEILLANCE SUMMARY - AUGUST 2015

During August (weeks 31–35), 1933 consultations for influenza-like illness were reported from 60 general practices (on average) in 18 of the 20 District Health Boards (DHB). The average monthly consultation rate for August was 118.8 per 100,000 patient population.

Figure 1 compares the average monthly consultation rates for influenza-like illness for each DHB during August. South Canterbury (421.6 per 100,000, 193 cases), Tairāwhiti (272.4 per 100,000, 14 cases), and Whanganui (208.2 per 100,000, 54 cases) DHBs had the highest consultation rates.

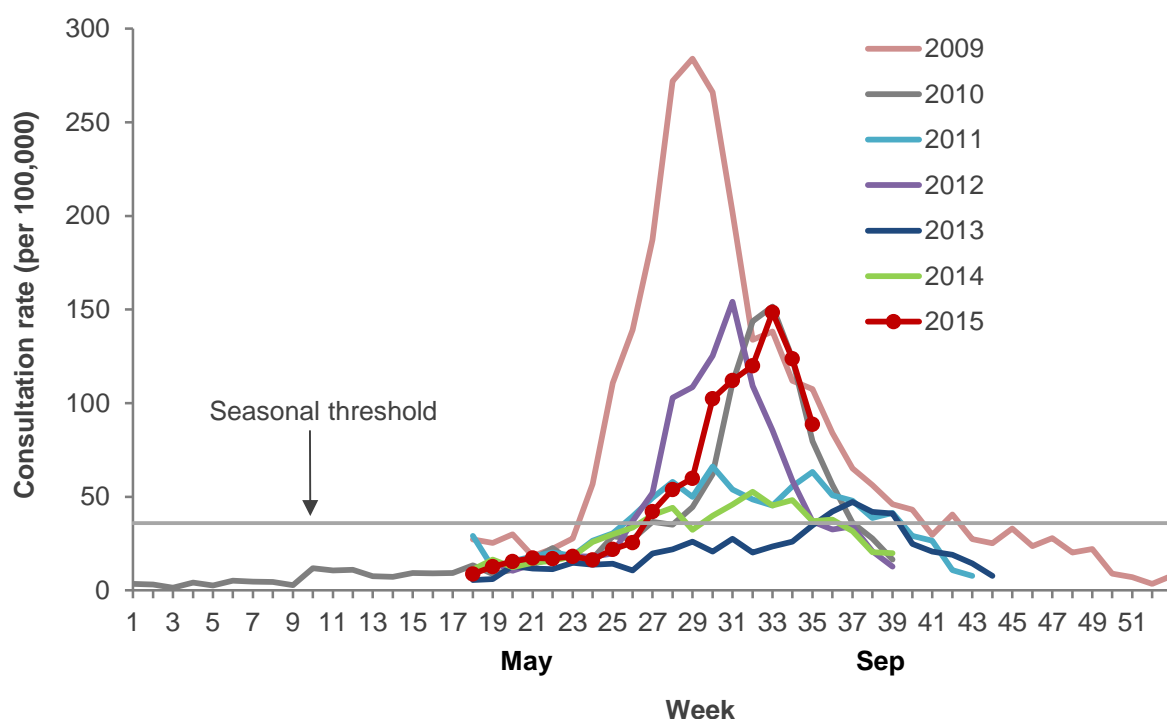
**Figure 1. Average monthly consultation rates for influenza-like illness by DHB, August 2015**



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 August were 171.0 per 100,000 and 24.5 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 35, August 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 414 swabs were received by virology laboratories from sentinel surveillance. 221 influenza viruses were identified: B/Victoria lineage (21) including 16 B/Brisbane/60/2008-like, B/Yamagata lineage (14) including 11 B/Phuket/3073/2013-like, B (not lineage typed) (126), A(H3N2) (33), A(H1N1)pdm09 (1), and A (not sub-typed) (26). The distribution by DHB is shown in Table 1.

**Table 1. Influenza viruses from sentinel surveillance for August by DHB**

Antigenic Strain	DHB														Total
	WM	WK	LS	TW	TK	HB	WG	MC	WR	HU	CC	NM	CB	SN	
A (not sub-typed)	2	2	1	1	0	0	2	0	5	0	6	3	0	4	<b>26</b>
A(H1N1)pdm09	0	0	0	0	0	0	1	0	0	0	0	0	0	0	<b>1</b>
A(H3N2)	1	0	1	0	0	2	3	1	0	0	4	4	14	3	<b>33</b>
B (not lineage-typed)	4	0	0	0	1	3	2	0	6	1	8	0	91	10	<b>126</b>
B/Victoria lineage	0	1	0	0	0	1	0	0	1	0	1	1	0	0	<b>5</b>
B/Brisbane/60/2008-like	1	0	0	0	1	1	0	0	1	1	1	2	0	8	<b>16</b>
B/Yamagata lineage	1	0	0	0	0	0	0	0	0	0	2	0	0	0	<b>3</b>
B/Phuket/3073/2013-like	2	1	0	0	0	0	2	0	3	0	1	1	0	1	<b>11</b>
<b>Total</b>	<b>11</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>7</b>	<b>10</b>	<b>1</b>	<b>16</b>	<b>2</b>	<b>23</b>	<b>11</b>	<b>105</b>	<b>26</b>	<b>221</b>

In addition, 4733 swabs were received by virology laboratories from non-sentinel surveillance. Of these, 1773 influenza viruses were identified: B/Yamagata lineage (47) including 18 B/Phuket/3073/2013-like, B/Victoria lineage (22) including 11 B/Brisbane/60/2008-like, B (not lineage typed) (940), A(H3N2) (497) including four A/Switzerland/9715293/2013 (H3N2)-like, A(H1N1)pdm09 (5), and A (not sub-typed) (262). The distribution by DHB is shown in Table 2.

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

Antigenic Strain	DHB																Total
	WM	AK	CM	WK	LS	BP	TK	HB	MC	HU	CC	NM	WC	CB	SC	SN	
A (not sub-typed)	0	108	6	33	1	30	0	0	1	28	54	0	0	1	0	0	<b>262</b>
A(H1N1)pdm09	0	2	0	0	0	0	0	0	3	0	0	0	0	0	0	0	<b>5</b>
A(H3N2)	0	237	108	3	0	1	6	5	37	2	2	12	3	69	0	8	<b>493</b>
A/Switzerland/9715293/2013 (H3N2)-like	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	<b>4</b>
B (not lineage-typed)	0	293	128	52	7	1	5	1	40	30	66	4	3	281	8	21	<b>940</b>
B/Victoria lineage	0	10	0	0	0	0	0	0	0	0	1	0	0	0	0	0	<b>11</b>
B/Brisbane/60/2008-like	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0	4	<b>11</b>
B/Yamagata lineage	0	21	1	0	0	0	0	0	0	1	1	0	0	0	0	5	<b>29</b>
B/Phuket/3073/2013-like	1	16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	<b>18</b>
<b>Total</b>	<b>1</b>	<b>691</b>	<b>251</b>	<b>88</b>	<b>8</b>	<b>32</b>	<b>11</b>	<b>6</b>	<b>81</b>	<b>61</b>	<b>124</b>	<b>16</b>	<b>6</b>	<b>351</b>	<b>8</b>	<b>38</b>	<b>1773</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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