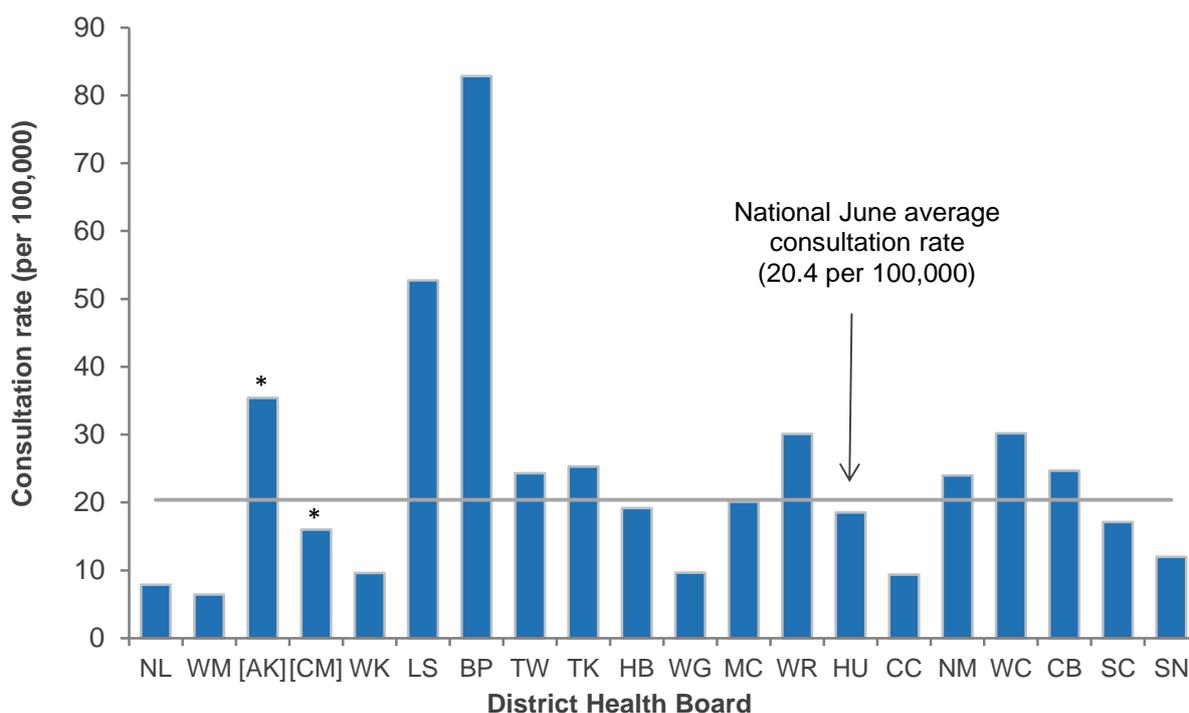


# INFLUENZA SURVEILLANCE SUMMARY - JUNE 2015

During June (weeks 23–26), 254 consultations for influenza-like illness were reported from 59 general practices (on average) in 18 of the 20 District Health Boards (DHB). The average monthly consultation rate for June was 20.4 per 100,000 patient population.

Figure 1 compares the average monthly consultation rates for influenza-like illness for each DHB during June. Bay of Plenty had the highest consultation rate (82.8 per 100,000, 13 cases), followed by Lakes (52.7 per 100,000, 9 cases), West Coast (30.2 per 100,000, 19 cases), and Wairarapa (31.0 per 100,000, 29 cases) DHBs.

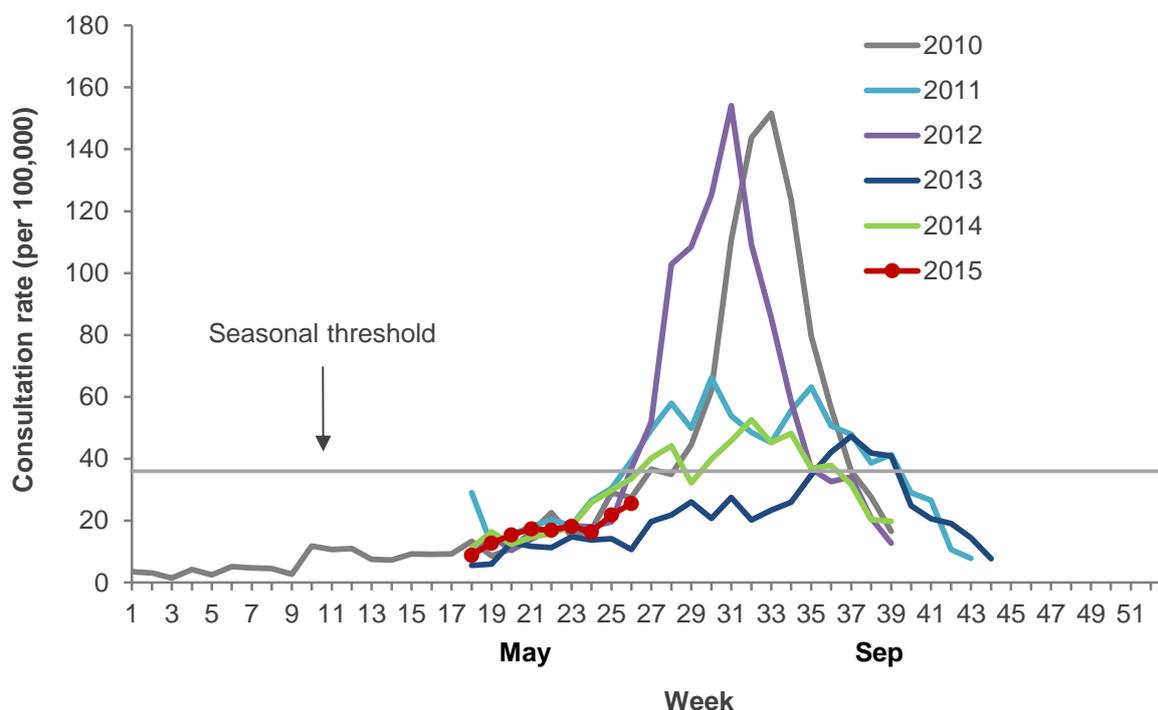
**Figure 1. Average monthly consultation rates for influenza-like illness by DHB, June 2015**



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 June were 35.4 per 100,000 and 16.0 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 26, June 2015 in comparison to the previous years, 2010–2014.

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



## VIROLOGICAL SURVEILLANCE

A total of 91 swabs were received by virology laboratories from sentinel surveillance. Thirty-seven influenza viruses were identified: A(H3N2) (13) including two A/Switzerland/9715293/2013 (H3N2)-like, B/Yamagata lineage (7) including four B/Phuket/3073/2013-like, B (not lineage typed) (7), B/Victoria lineage (1), and A (not sub-typed) (9). The distribution by DHB is shown in Table 1.

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

Antigenic Strain	DHB											Total
	WM	WK	LS	BP	TW	TK	HB	CC	NM	CB	SN	
A (not sub-typed)	0	3	1	0	1	0	3	1	0	0	0	<b>9</b>
A(H3N2)	0	3	1	0	0	1	5	0	0	1	0	<b>11</b>
A/Switzerland/9715293/2013 (H3N2)-like	0	0	0	1	0	0	1	0	0	0	0	<b>2</b>
B (not lineage-typed)	1	0	1	0	0	0	0	1	0	4	0	<b>7</b>
B/Victoria lineage	0	0	0	0	0	0	0	0	0	0	1	<b>1</b>
B/Yamagata lineage	0	0	0	0	0	0	1	1	0	0	1	<b>3</b>
B/Phuket/3073/2013-like	0	0	0	0	0	0	0	1	3	0	0	<b>4</b>
<b>Total</b>	<b>1</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>37</b>

In addition, 1524 swabs were received by virology laboratories from non-sentinel surveillance. Of these, 318 influenza viruses were identified: A(H3N2) (115) including 20 A/Switzerland/9715293/2013 (H3N2)-like, and one A/Texas/50/2012 (H3N2)-like, B/Yamagata lineage (25) including 23 B/Phuket/3073/2013-like, B (not lineage typed) (60), B/Victoria lineage (3) including two B/Massachusetts/2/2012-like and one B/Brisbane/60/2008-like, A(H1N1)pdm09 (4) including one A/California/7/2009 (H1N1)-like, and A (not sub-typed) (111). The distribution by DHB is shown in Table 2.

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

Antigenic Strain	DHB													Total
	WM	AK	CM	WK	LS	BP	TK	HB	MC	HU	CC	CB	SN	
A (not sub-typed)	0	8	4	3	3	92	0	0	0	0	0	1	0	<b>111</b>
A(H1N1)pdm09	0	0	0	0	0	0	0	0	0	0	1	2	0	<b>3</b>
A/California/7/2009 (H1N1)-like	0	0	1	0	0	0	0	0	0	0	0	0	0	<b>1</b>
A(H3N2)	0	24	15	28	11	1	1	1	2	0	6	4	1	<b>94</b>
A/Switzerland/9715293/2013 (H3N2)-like	2	12	3	0	0	3	0	0	0	0	0	0	0	<b>20</b>
A/Texas/50/2012 (H3N2)-like	0	0	1	0	0	0	0	0	0	0	0	0	0	<b>1</b>
B (not lineage-typed)	0	13	8	1	0	3	0	1	0	4	4	25	1	<b>60</b>
B/Brisbane/60/2008-like	0	1	0	0	0	0	0	0	0	0	0	0	0	<b>1</b>
B/Massachusetts/2/2012-like	0	0	0	0	0	0	0	0	0	0	0	2	0	<b>2</b>
B/Yamagata lineage	0	2	0	0	0	0	0	0	0	0	0	0	0	<b>2</b>
B/Phuket/3073/2013-like	1	16	3	0	0	1	0	0	0	0	0	2	0	<b>23</b>
<b>Total</b>	<b>3</b>	<b>76</b>	<b>35</b>	<b>32</b>	<b>14</b>	<b>100</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>11</b>	<b>36</b>	<b>2</b>	<b>318</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

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](mailto:liza.lopez@esr.cri.nz)

**Dr. Sue Huang**

WHO National Influenza Centre  
ESR Wallaceville Science Centre  
PO Box 40158, Upper Hutt

