

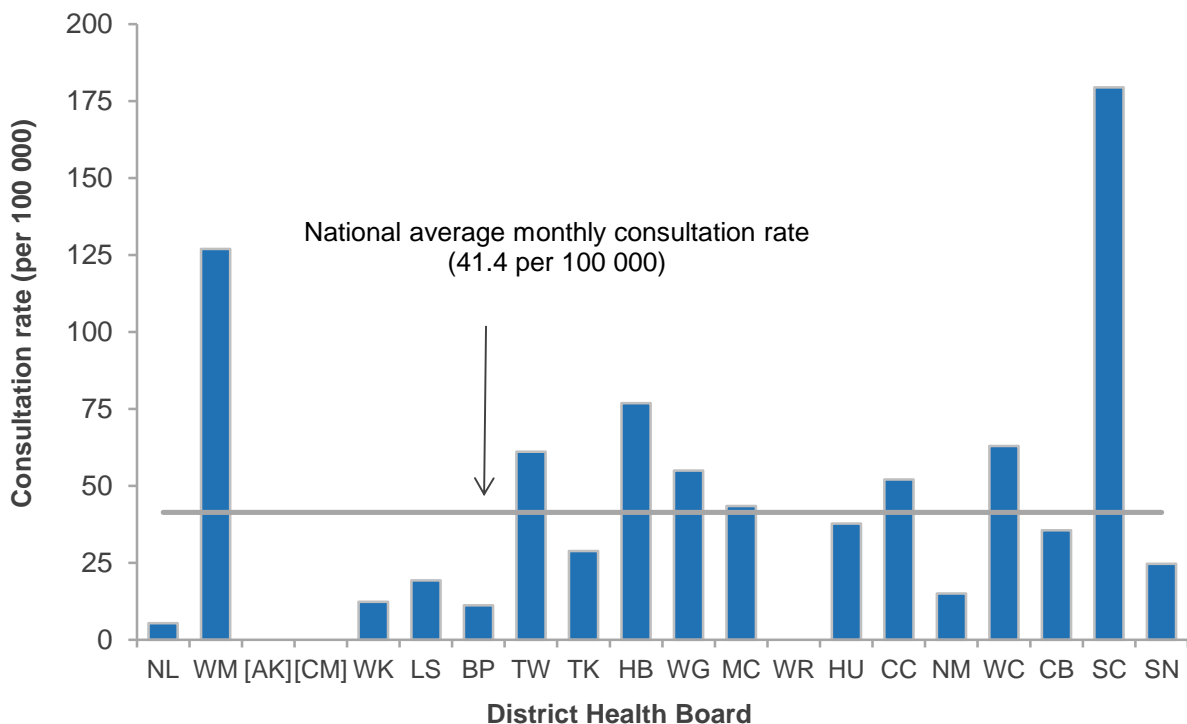


# INFLUENZA SURVEILLANCE SUMMARY - SEPTEMBER 2013

During September (weeks 35–39), 754 consultations for influenza-like illness were reported from 66 general practices (on average) in 18 of the 20 District Health Boards (DHB). The average monthly consultation rate for September was 41.4 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 (179.5 per 100 000, 62 cases), followed by Waitemata (127.0 per 100 000, 85 cases), and Hawke's Bay (76.9 per 100 000, 74 cases).

**Figure 1. Average monthly consultation rates for influenza-like illness by DHB, September 2013**

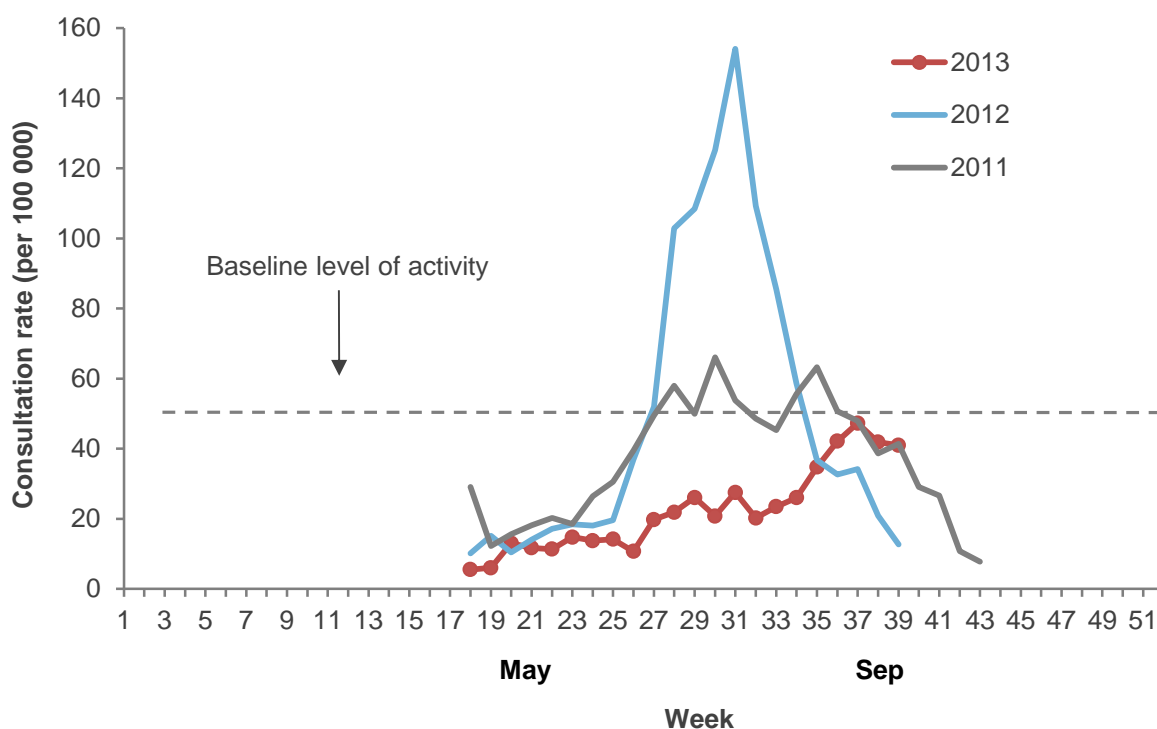


[ ] Not participating in the influenza sentinel surveillance.

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 599.2 per 100 000 and 98.4 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 2013 and rates in 2012 and 2011.

**Figure 2. Weekly consultation rates for influenza-like illness in New Zealand, 2011, 2012 and 2013**



\* A weekly rate <50 ILI consultations per 100 000 patient population is considered baseline activity. A rate of 50–249 is considered indicative of normal seasonal influenza activity, and a rate of 250–399 indicative of higher than expected influenza activity. A rate >400 ILI consultations per 100 000 patient population indicates an epidemic level of influenza

## VIROLOGICAL SURVEILLANCE

A total of 184 swabs were received by virology laboratories from sentinel surveillance. 89 viruses were identified: B (44) including two B/Wisconsin/1/2010-like viruses, A (not sub-typed) (19), A(H3N2) (15) including two A/Victoria/361/2011 (H3N2), and A(H1N1)pdm09 (11). The distribution by DHB is shown in Table 1.

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

Influenza type/sub-typed	DHB															Total
	NL	WM	WK	LS	TW	TK	HB	WG	MC	HU	CC	NM	CB	SC	SN	
A (not sub-typed)	1	1		1			3		2		4	4			3	<b>19</b>
A(H1N1)pdm09											2		8	1		<b>11</b>
A(H3N2)		1	1				2	1		1		1	6			<b>13</b>
A/Victoria/361/2011 (H3N2)		2														<b>2</b>
B (lineage not determined)	2	1	3		1	3	8	3	3		3	1	9		5	<b>42</b>
B/Wisconsin/1/2010-like							2									<b>2</b>
<b>Total</b>	<b>3</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>15</b>	<b>4</b>	<b>5</b>	<b>1</b>	<b>9</b>	<b>6</b>	<b>23</b>	<b>1</b>	<b>8</b>	<b>89</b>

In addition, 1775 swabs were received by virology laboratories from non-sentinel surveillance. Of these, 718 influenza viruses were identified: B (234) including 20 B/Wisconsin/1/2010-like viruses, A(H3N2) (229) including 29 A/Victoria/361/2011 (H3N2)-like viruses, A (not sub-typed) (179), and A(H1N1)pdm09 (76) including five A/California/7/2009 (H1N1)-like viruses. The distribution by DHB is shown in Table 2.

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

Influenza type/sub-typed	DHB														Total
	WM	AK	CM	WK	LS	BP	TK	HB	MC	CC	NM	CB	SC	SN	
A (not sub-typed)		137	1	5	1					34		1			<b>179</b>
A(H1N1)pdm09		2	9	1							1	55	1	2	<b>71</b>
A(H3N2)	5	78	94	7							3	12		1	<b>200</b>
A/California/7/2009 (H1N1)-like		3	1			1									<b>5</b>
A/Victoria/361/2011 (H3N2)		19	4	2		4									<b>29</b>
B (lineage not determined)	4	92	15	29			4	5	1	19	1	41	2	1	<b>214</b>
B/Wisconsin/1/2010-like		5	3	7		3				1		1			<b>20</b>
<b>Total</b>	<b>9</b>	<b>336</b>	<b>127</b>	<b>51</b>	<b>1</b>	<b>8</b>	<b>4</b>	<b>5</b>	<b>1</b>	<b>54</b>	<b>5</b>	<b>110</b>	<b>3</b>	<b>4</b>	<b>718</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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