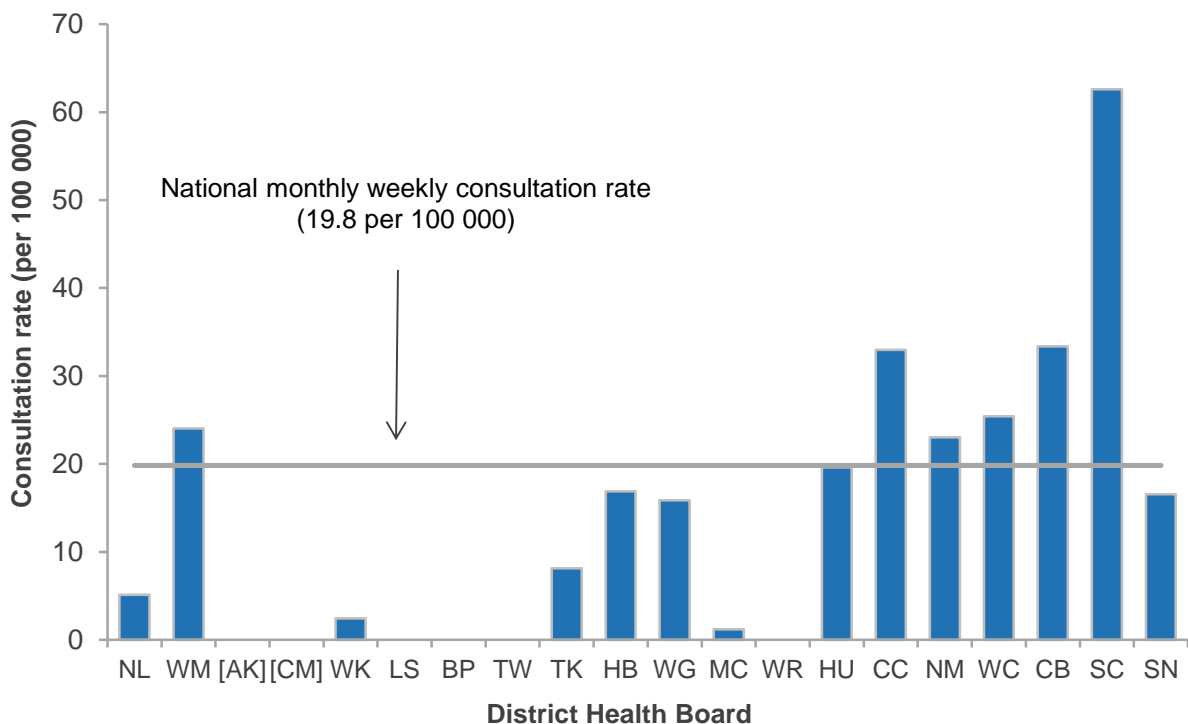


INFLUENZA SURVEILLANCE SUMMARY - OCTOBER 2013

During October (weeks 40–44), 291 consultations for influenza-like illness were reported from 54 general practices (on average) in 18 of the 20 District Health Boards (DHB). The average monthly consultation rate for October was 19.8 per 100 000 patient population.

Figure 1 compares the average monthly consultation rates for influenza-like illness for each DHB during October. South Canterbury had the highest consultation rate (62.6 per 100 000, 15 cases), followed by Canterbury (33.4 per 100 000, 102 cases), and Capital & Coast (33.0 per 100 000, 39 cases).

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

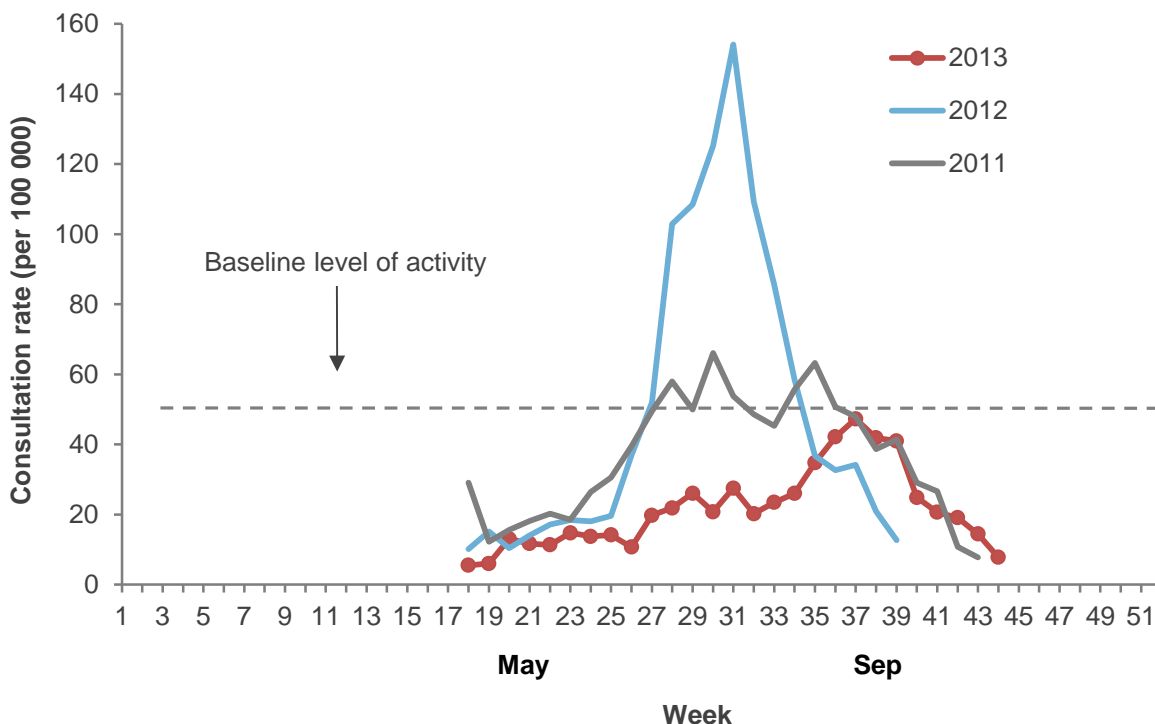


[] Not participating in the influenza sentinel surveillance.

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 October were 346.3 per 100 000 and 75.5 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 44, November 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 82 swabs were received by virology laboratories from sentinel surveillance. From these, 34 viruses were identified: B (12) including one B/Wisconsin/1/2010-like virus, A(H1N1)pdm09 (12) including three A/California/7/2009 (H1N1)-like viruses, A(H3N2) (8) including four A/Victoria/361/2011 (H3N2)-like viruses, and A (not sub-typed) (2). The distribution by DHB is shown in Table 1.

Table 1. Influenza viruses from sentinel surveillance for October by DHB

Influenza type/sub-typed	DHB									Total
	NL	WM	TK	HB	WG	CC	NM	CB	SN	
A (not sub-typed)						1	1			2
A(H1N1)pdm09			1				4	4		9
A(H3N2)							1	2	1	4
A/California/7/2009 (H1N1)-like	1				1		1			3
A/Victoria/361/2011 (H3N2)	1	1			1		1			4
B (lineage not determined)			1	1	2			6	1	11
B/Wisconsin/1/2010-like						1				1
Total	2	1	2	1	4	2	8	12	2	34

In addition, 1215 swabs were received by virology laboratories from non-sentinel surveillance. From these, 272 influenza viruses were identified: B (82) including eight B/Wisconsin/1/2010-like viruses, A(H3N2) (72) including 11 A/Victoria/361/2011 (H3N2)-like viruses, A (not sub-typed) (70), and A(H1N1)pdm09 (48) including one A/California/7/2009 (H1N1)-like virus. The distribution by DHB is shown in Table 2.

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

Influenza type/sub-typed	DHB													Total
	W M	AK	CM	WK	BP	TK	MC	CC	WR	NM	CB	SC	SN	
A (not sub-typed)	1	46		2				19			2			70
A(H1N1)pdm09		7	4		1	1		1		1	32			47
A(H3N2)	1	19	19		6			4		1	11			61
A/California/7/2009 (H1N1)-like			1											1
A/Victoria/361/2011 (H3N2)		4	1		3			3						11
B (lineage not determined)		23	8	2			1	6			30	1	3	74
B/Wisconsin/1/2010-like		5						1	2					8
Total	2	104	33	4	10	1	1	34	2	2	75	1	3	272

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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