

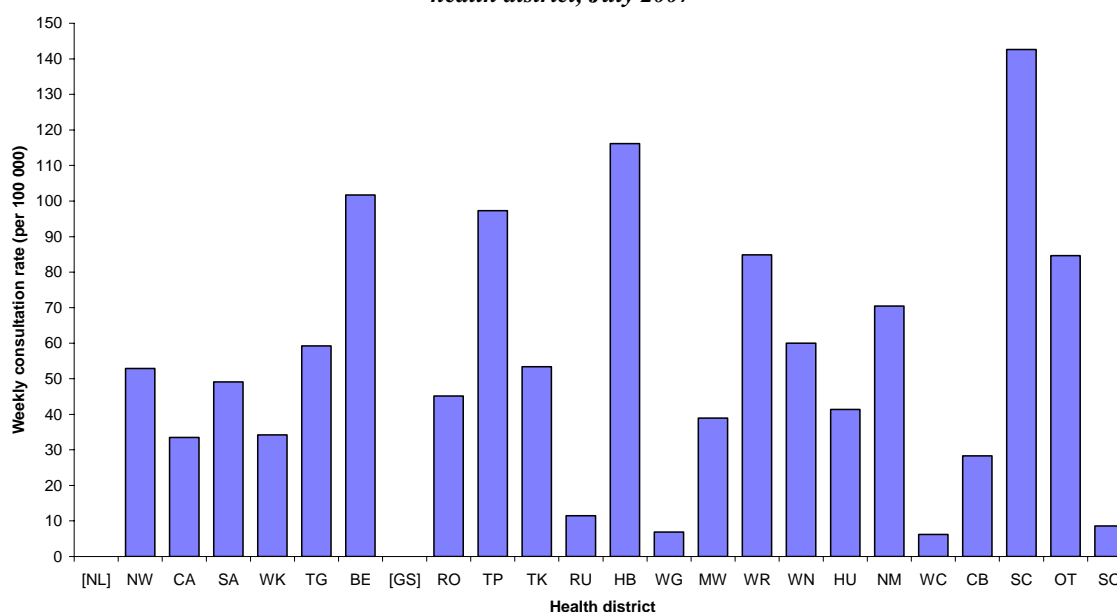
INFLUENZA SURVEILLANCE

SUMMARY - JULY 2007

During July (weeks 27 – 30), 724 consultations for influenza-like illness were reported from 80 general practices (on average) in 22 out of 24 health districts. The average weekly consultation rate for July was 53.0 per 100 000 patient population.

Figure 1 compares the average weekly consultation rates for influenza-like illness for each health district during July. South Canterbury had the highest consultation rate (142.6 per 100 000), followed by Hawke's Bay (116.2 per 100 000).

Figure 1: Average weekly consultation rates for influenza-like illness by health district, July 2007



[] Health districts not participating in the influenza surveillance

A total of 160 swabs were sent for testing during July from sentinel surveillance. One hundred and eighty-two influenza swabs were received by the regional virology laboratories. Of these, 56 influenza viruses were isolated, 21 as influenza A (yet to be sub-typed), 17 as A/New Caledonia/20/99 (H1N1) – like, eight as A/Wisconsin/67/2005 (H3N2) – like, and 10 as B not antigenically typed. The distribution by health district is shown in Table 1.

Table 1

Antigenic Strain	CA	SA	WK	TG	TP	RU	HB	WG	MW	WR	WN	CB	SC	Total
A (not sub-typed)	0	0	4	0	0	0	0	0	0	0	2	13	2	21
A/New Caledonia/20/99 (H1N1) - like	1	2	2	2	1	1	3	1	1	2	1	0	0	17
A/Wisconsin/67/2005 (H3N2) - like	0	0	1	0	0	0	5	0	0	0	2	0	0	8
B (not antigenically typed)	0	0	1	0	0	0	0	0	0	0	0	8	1	10
Total	1	2	8	2	1	1	8	1	1	2	5	21	3	56

In addition, 79 influenza viruses were reported from the laboratory-based (non-sentinel) surveillance in July, 50 as influenza A (yet to be sub-typed), 14 as A/New Caledonia/20/99 (H1N1) – like, one

A/Wisconsin/67/2005 (H3N2) – like , 12 as influenza B (yet to be antigenically typed), and two as B/Shanghai/361/2002 – like. The distribution by health district is shown in Table 2.

Table 2

Antigenic Strain	NW	CA	SA	WK	GS	TK	HB	WG	MW	CB	SC	Total
A (not sub-typed)	0	2	2	5	1	1	10	1	1	26	1	50
A/New Caledonia/20/99 (H1N1) - like	3	4	4	3	0	0	0	0	0	0	0	14
A/Wisconsin/67/2005 (H3N2) -like	1	0	0	0	0	0	0	0	0	0	0	1
B (not antigenically typed)	0	0	0	0	0	0	0	0	0	11	1	12
B/Shanghai/361/2002-like	1	1	0	0	0	0	0	0	0	0	0	2
Total	5	7	6	8	1	1	10	1	1	37	2	79

Figure 2 shows the cumulative total of influenza isolates confirmed (sentinel and laboratory-based surveillance) for July 2007. A total of 135 isolates were identified, 71 as influenza A (yet to be sub-typed), 31 as A/New Caledonia/20/99 (H1N1) – like viruses, nine as A/Wisconsin/67/2005 (H3N2) – like, 22 as influenza B (yet to be antigenically typed), and two as B/Shanghai/361/2002 – like.

Figure 2: Cumulative laboratory-confirmed isolates by health district, July 2007

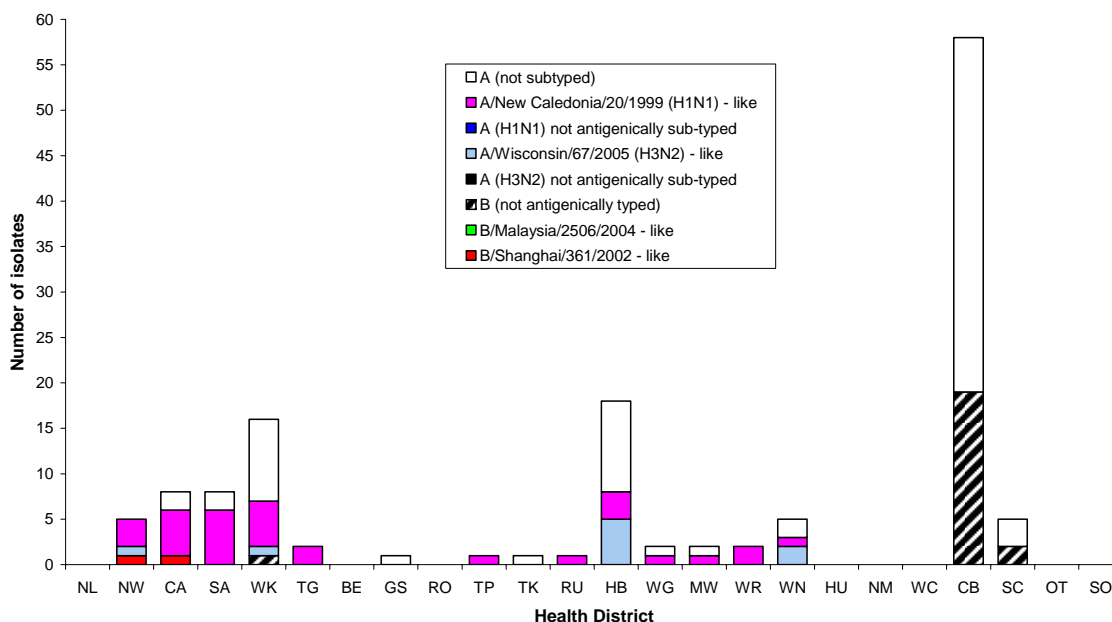


Figure 3 shows the national weekly consultation rates to the end of week 30, July 2007 and rates in 2006 and 2005.

Figure 3: Weekly consultation rates for influenza-like illness in New Zealand, 2005, 2006 and 2007

