

INFLUENZA WEEKLY UPDATE

2006/31: 31 July – 4 August 2006

Summary

Influenza in the population is estimated using the number of GP consultations for flu like illnesses. For 2006 this started on May 1. Current levels are low.

The health districts with the highest rate last week were Wanganui and Taranaki. 62% of the cases this week were in adults aged between 20 and 64 years and 22% were in children aged 5-19 years.

So far this year 99% of the laboratory tested cases were influenza A with a small number of influenza B cases.

Thresholds used to describe influenza-like activity*

Term used		Consultation rate (per 100 000 population)
Baseline		<= 49
Normal seasonal activity	low	50-99
	moderate	100-149
	high	150-249
higher than expected		250-399
severe epidemic		>= 400

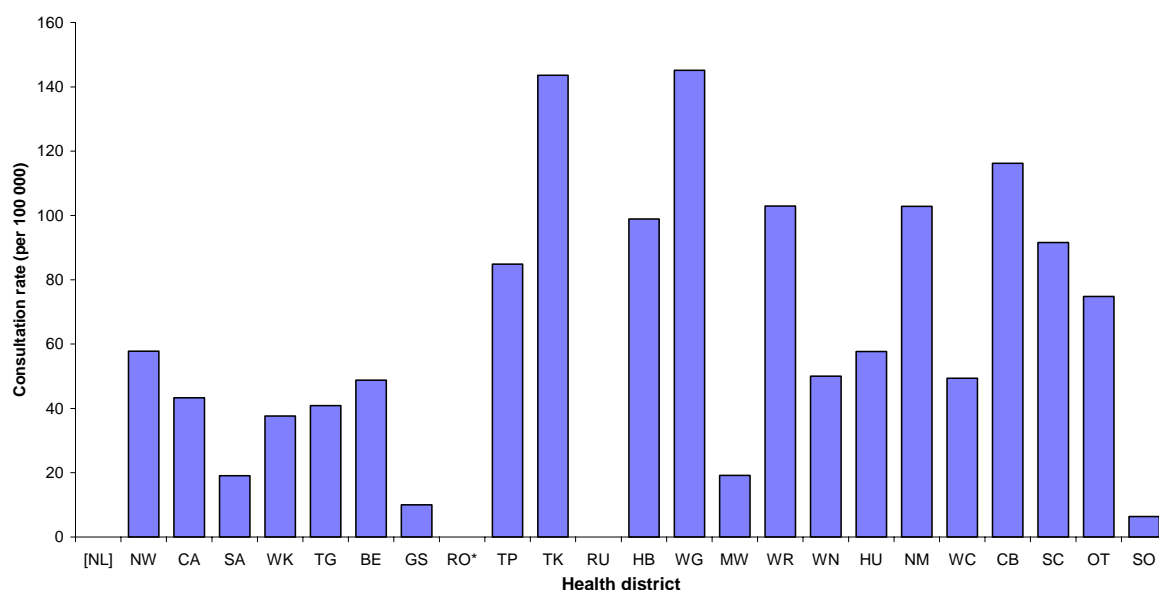
*Note: This was published in *New Zealand Public Health Report 2001, 8(1):9-12* "Influenza surveillance and immunisation in New Zealand, 1990-1999"

In the past week, a total of 225 consultations for influenza-like illness were reported from 80 general practices in 22 out of 24 health districts. This gives a weekly consultation rate of 64.3 per 100 000 patient population.

Figure 1 compares the consultation rates for influenza-like illness for each health district over the past week. Wanganui had the highest consultation rate (145.1 per 100 000), followed by Taranaki (143.6 per 100 000), and Canterbury (116.2 per 100 000).

Figure 1

*Weekly consultation rates for influenza-like illness by health district
week ending 4 August 2006*



[] Health district not participating

* Health districts did not participate for the week

Sixty-four swabs were sent from the sentinel surveillance in the past week. Seventy-three swabs were received by virology laboratories. Of these, 32 influenza viruses were isolated, 18 as influenza A (yet to be sub-typed) and 14 as A/New York/55/2004 (H3N2)-like. The distribution by health district is shown in Table 1.

Table 1.

	NW	CA	SA	WK	TG	RO	TP	HB	WG	NM	CB	OT	Total
A	1	0	2	3	0	0	0	0	0	0	9	3	18
A/New York/55/2004 (H3N2) - like	2	2	0	0	1	1	1	4	1	2	0	0	14
Total	3	2	2	3	1	1	1	4	1	2	9	3	32

In addition, 63 influenza viruses were reported this week from the laboratory-based (non-sentinel) surveillance. Fifty-eight were identified as influenza A (yet to be sub-typed), four as A/New York/55/2004 (H3N2)-like, and one as influenza B (yet to be typed). The distribution by health district is shown in Table 2.

Table 2.

	NW	CA	SA	WK	BE	WN	NM	WC	CB	OT	Total
A	2	5	1	5	0	1	1	1	40	2	58
A/New York/55/2004 (H3N2) - like	1	1	0	0	1	0	0	0	1	0	4
B	0	0	0	0	0	1	0	0	0	0	1
Total	3	6	1	5	1	2	1	1	41	2	63

Figure 2 shows the cumulative total of influenza isolates confirmed (sentinel and laboratory-based surveillance) to the end of week 31, 4 August 2006. A total of 520 influenza viruses were identified, 284 as A/New York/55/2004 (H3N2) - like, 221 as influenza A (yet to be sub-typed), seven as A/California/7/2004-like, three as A/New Caledonia/20/19999 (H1N1)-like, two as B/Shanghai/361/2002-like, one as B/Hong

Kong/330/2001-like, one as B/Malaysia/2506/2004-like, and one as influenza B (yet to be typed).

Figure 2

Cumulative laboratory-confirmed isolates by health district to 4 August 2006

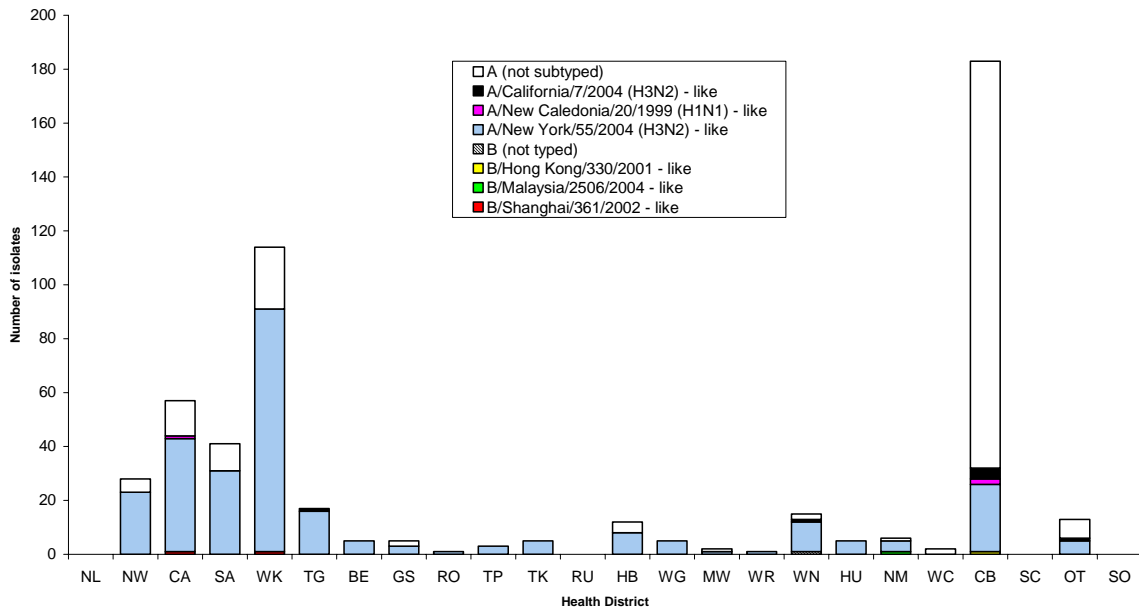


Figure 3 shows the weekly national consultation rates for 2004 and 2005 seasons, and 2006 so far.

Figure 3

Weekly consultation rates for influenza-like illness in New Zealand, 2004, 2005 and 2006

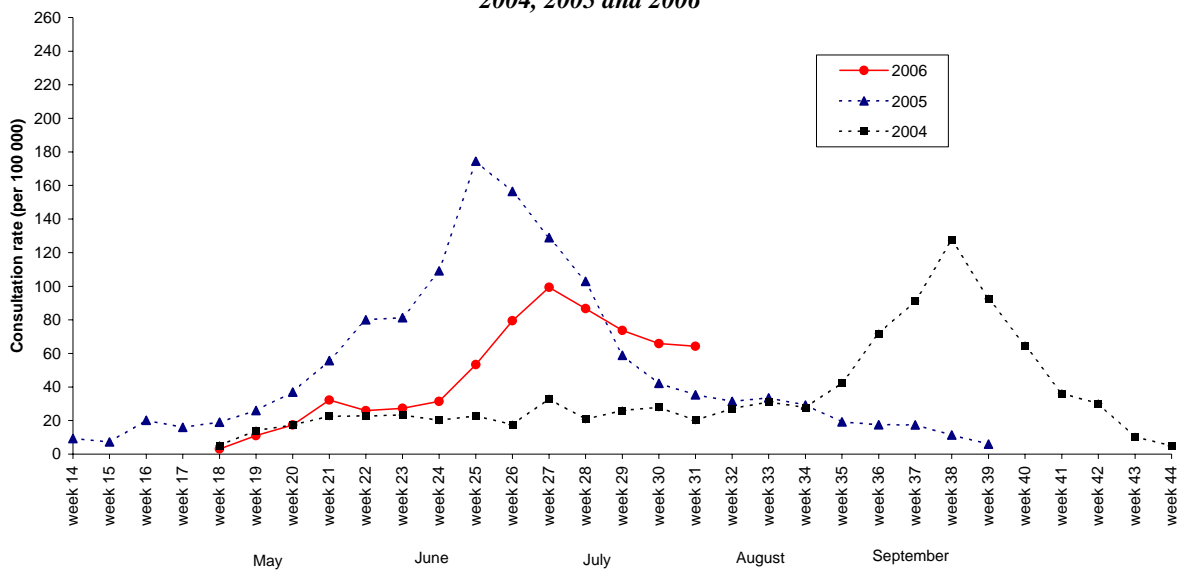
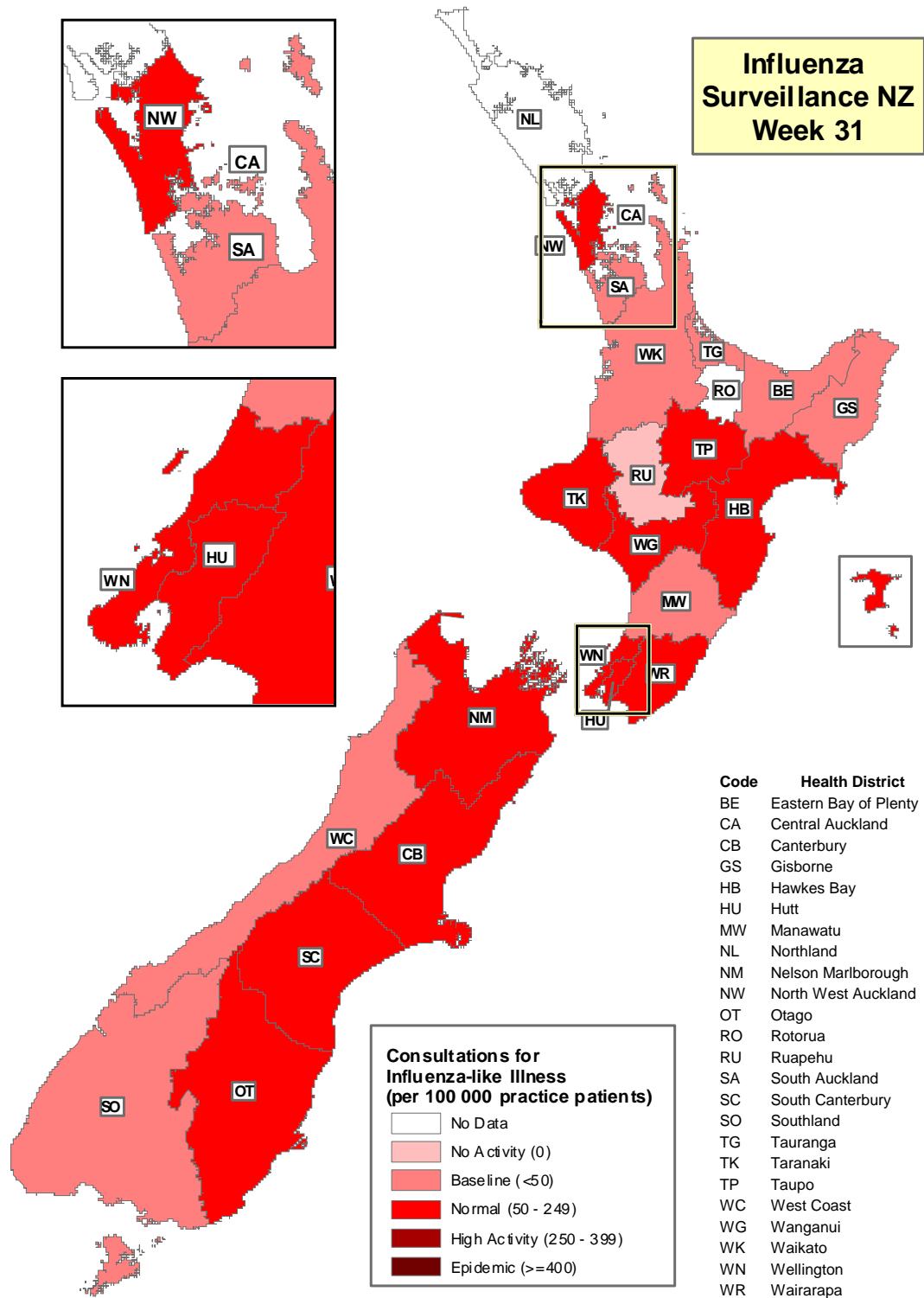


Figure 4 illustrates consultation rates for influenza-like illness mapped by health district for week 31, 2006.

Figure 4



Compiled by: Liza Lopez
 Population and Environmental Health
 ESR Kenepuru Science Centre
 P O Box 50 348
 PORIRUA

phone: 04 914-0647
 fax: 04 914-0770
 email: liza.lopez@esr.cri.nz