

INFLUENZA WEEKLY UPDATE

2005/33: 13 August– 19 August 2005

Summary

Influenza in the population is estimated using the number of GP consultations for flu like illnesses. For 2005 this started on April 4 and reached a peak during the week beginning Monday June 18. Since then levels have steadily decreased. Current levels are at baseline.

The health districts with the highest rate last week were Otago and Hutt. Almost half of the cases this week were in adults aged more than 20 years. Almost 40% were in children aged 5-19 years.

So far this year almost 92% of the laboratory tested cases were influenza B with a small number of influenza A 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

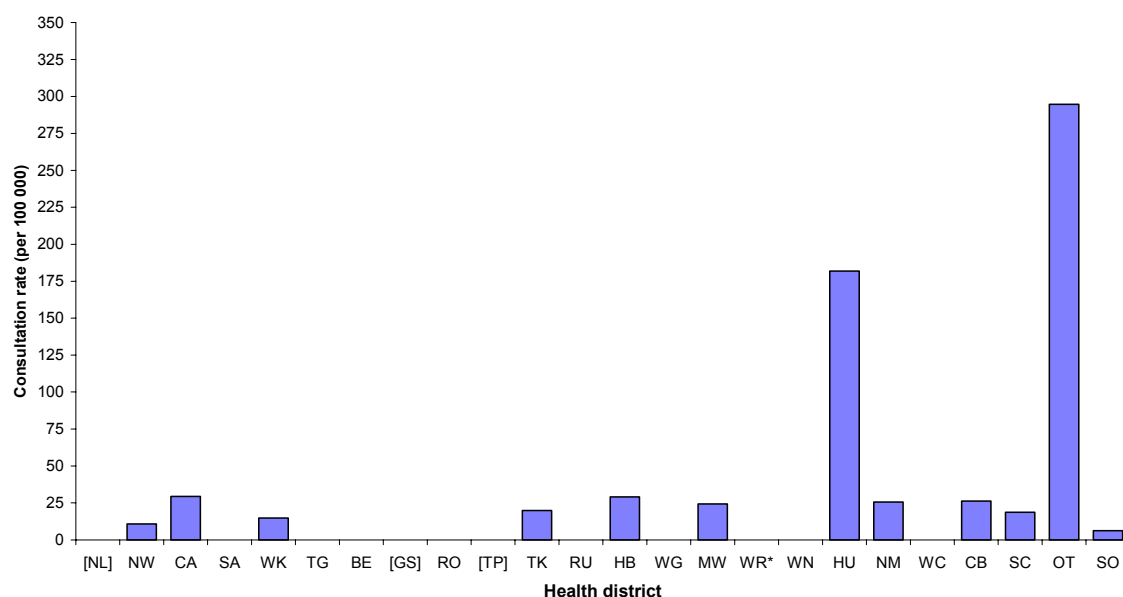
*Note: This was published in *New Zealand Public Health Report 2001, 8(1):9-12* "Influenza surveillance and immunisation in New Zealand, 1990-1999"

In the past week, a total of 99 consultations for influenza-like illness were reported from 76 general practices in 20 out of 24 health districts. This gives a weekly consultation rate of 33.5 per 100 000 patient population.

Figure 1 compares the consultation rates for influenza-like illness for each health district over the past week. Otago had the highest consultation rate (294.7 per 100 000), followed by Hutt (181.8 per 100 000).

Figure 1

*Weekly consultation rates for influenza-like illness by health district
week ending 19 August 2005*



[] Health districts not participating

* Health district did not participate for the week

Nineteen swabs were sent from the sentinel surveillance in the past week. Twenty-five swabs were received by virology laboratories. Of these, two influenza viruses were identified, one as A/California/7/2004-like from Southland, and one as influenza B (yet to be antigenically typed) from Otago.

In addition, 10 influenza viruses were reported this week from the laboratory-based (non-sentinel) surveillance eight as influenza A (yet to be sub-typed) and two as influenza B (yet to be antigenically typed). The distribution is by health district is shown in Table 1.

Table 1

	WK	CB	OT	Total
A	3	4	1	8
B	1	1	0	2
Total	4	5	1	10

Figure 2 shows the cumulative total of influenza isolates confirmed (sentinel and laboratory-based surveillance) to the end of week 33, 19 August 2005. A total of 789 influenza viruses were identified, 523 as B/Hong Kong/330/2001-like, 84 as influenza B (yet to be antigenically typed), 91 as B/Shanghai/361/2002-like, 24 as B/Sichuan/379/1999-like (belonging to B/Shanghai lineage), 35 as A/California/7/2004-like, 24 as influenza A (yet to be sub-typed), four as A/Wellington/1/2004-like, three as A/Fujian/411/2002-like, and one as A/New Caledonia/20/1999-like.

Figure 2

Cumulative laboratory-confirmed isolates by health district to 19 August 2005

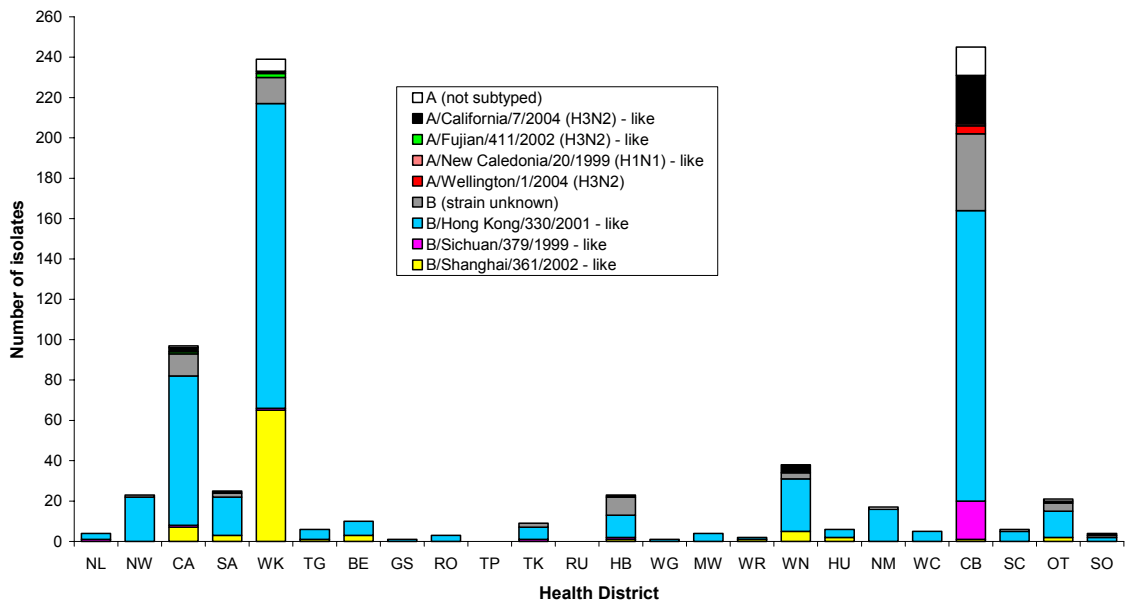


Figure 3 shows the weekly national consultation rates for 2003 and 2004 seasons, and 2005 so far. The current rate of influenza is higher than at the same time last year.

Figure 3

Weekly consultation rates for influenza-like illness in New Zealand, 2003, 2004 and 2005

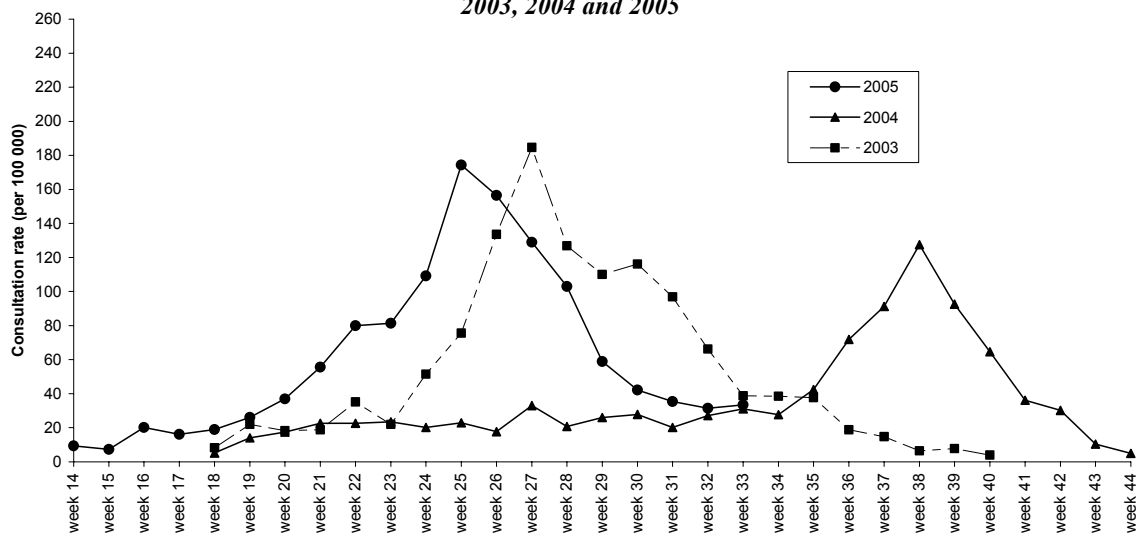
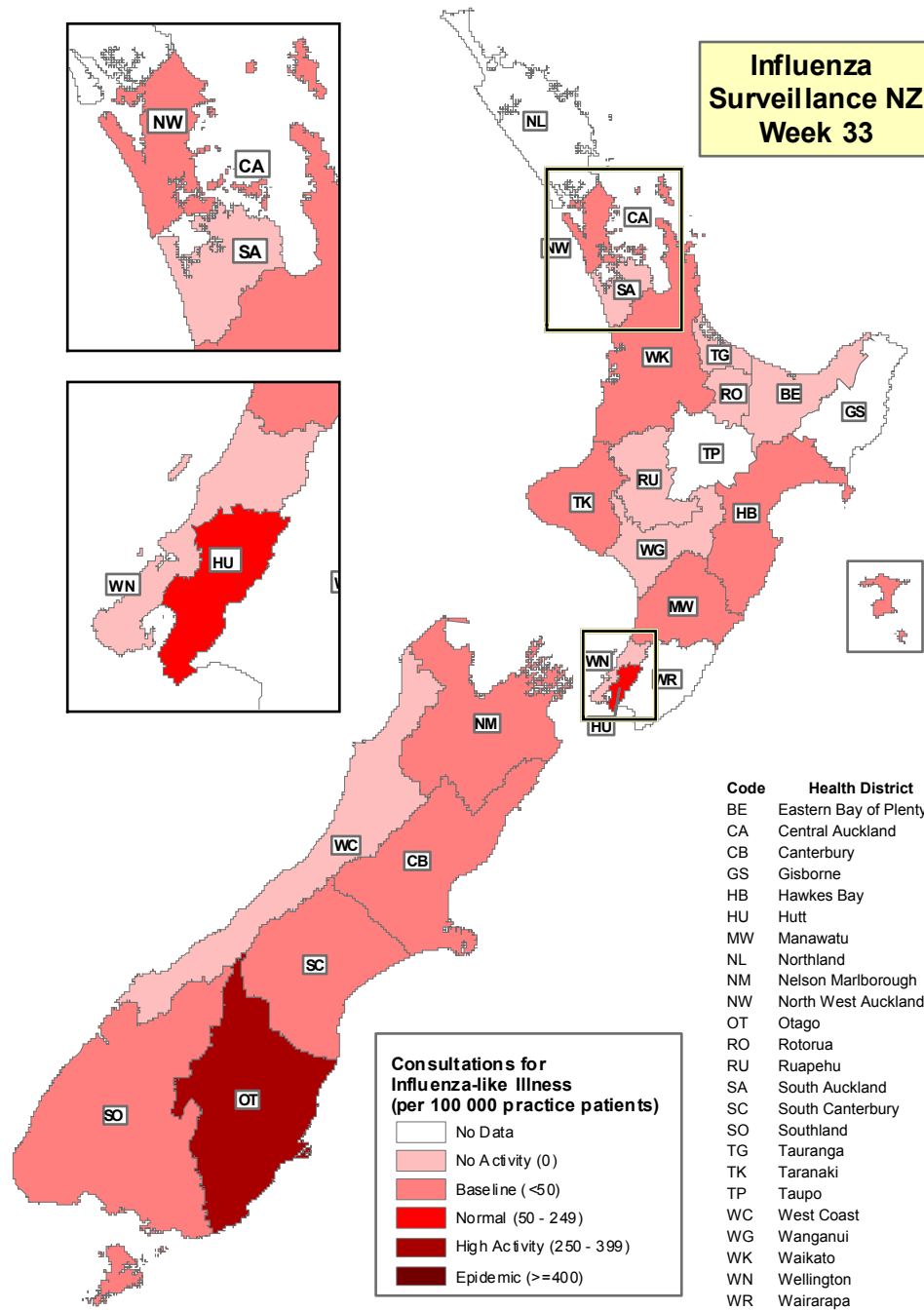


Figure 4 illustrates consultation rates for influenza-like illness mapped by health district for week 33, 2005.

Figure 4



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