

INFLUENZA WEEKLY UPDATE

2010/23: 7-13 June 2010

The national influenza surveillance system in New Zealand is an essential public health component for assessing and implementing strategies to control influenza. This report summarises the data collected from sentinel general practice (GP) surveillance and non-sentinel surveillance for week 23 (7-13 June 2010).

SUMMARY OF THIS REPORT:

- Influenza-like illness (ILI) through sentinel surveillance was reported from 20 out of 21 District Health Boards (DHB) with a national consultation rate of 15.0 per 100 000 (52 ILI consultations). One hundred and seven swabs were received from sentinel and non-sentinel surveillance. Five pandemic (H1N1) 09 viruses were identified from the non-sentinel surveillance.
- Pandemic influenza A (H1N1) 09 is a notifiable disease in New Zealand. As of 13 June 2010, there have been 3320¹ cases recorded in EpiSurv with 35² deaths.

(Note: For further information please refer to the Ministry of Health's website:
<http://www.moh.govt.nz/influenza-a-h1n1>)

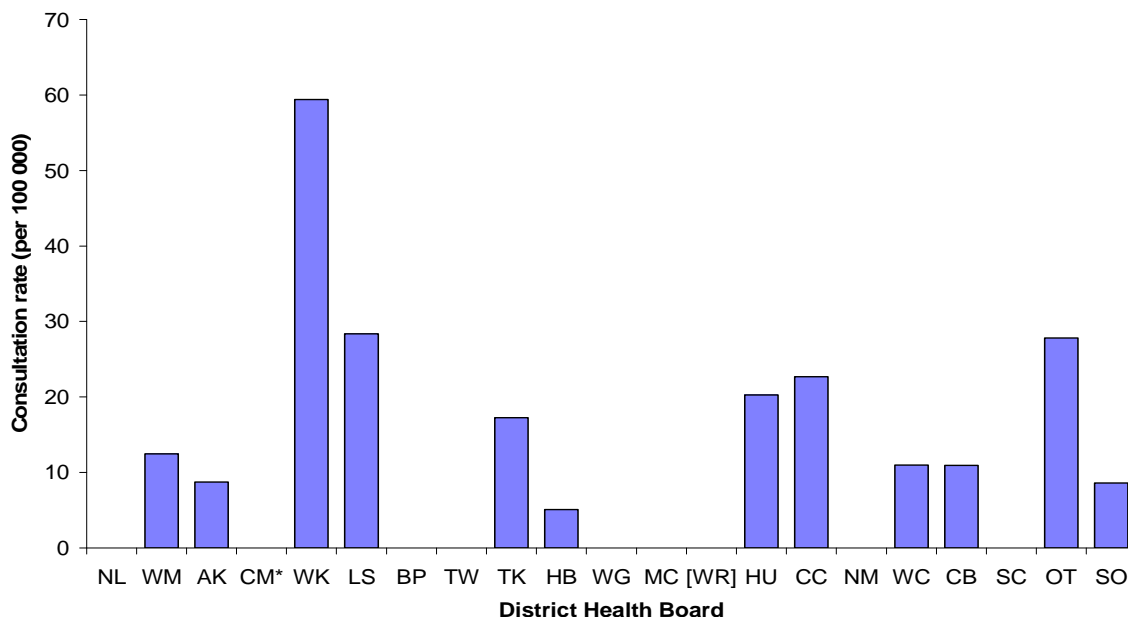
In the past week, a total of 52 consultations for influenza-like illness were reported from 81 general practices in 20 out of 21 DHBs. This gives a weekly consultation rate of 15.0 per 100 000 patient population.

The graph below compares the consultation rates for influenza-like illness for each DHB over the past week. Waikato DHB had the highest consultation rate (59.4 per 100 000, 11 cases), followed by Lakes (28.4 per 100 000, 1 case) and Otago (27.8 per 100 000, 11 cases) DHBs.

¹ Data source: EpiSurv as of 17 June 2010.

² Data source: Ministry of Health.

Figure 1: Weekly consultation rates for influenza-like illness by DHB week ending 13 June 2010

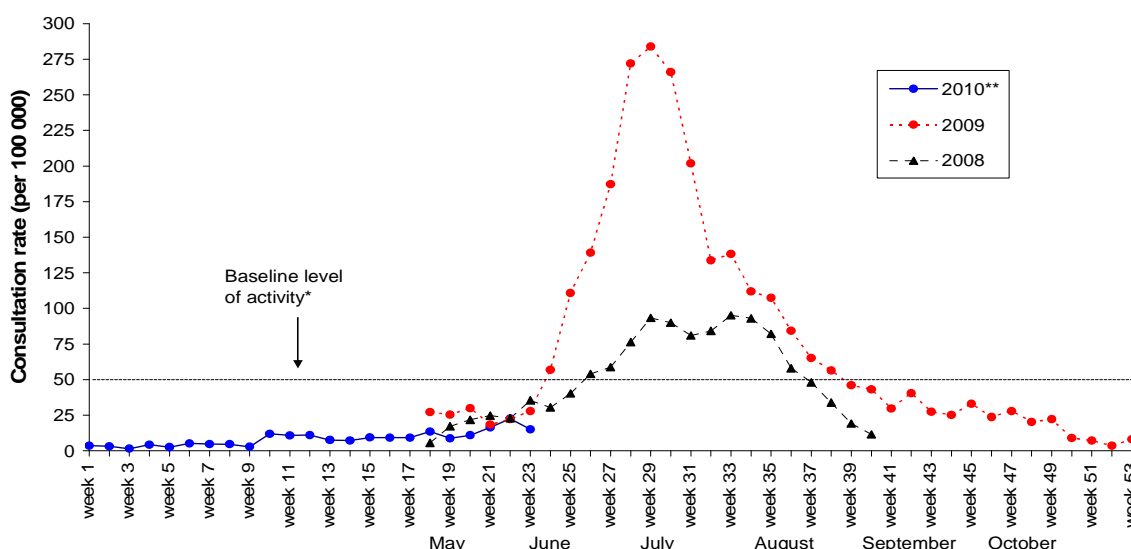


* Year-to-date 2010 ILI data submitted by most sentinel practices in Counties Manukau DHB have been excluded due to sensitivity and specificity issues that cannot be resolved.
 [] No data for the week.

A total of 107 swabs were received by the virology laboratories from sentinel surveillance (15) and the non-sentinel surveillance (92). Of the swabs received from non-sentinel surveillance, five pandemic (H1N1) 09 viruses were identified. They were reported from Waitemata (2), Capital and Coast (2) and Auckland (1) DHBs.

Figure 2 shows the weekly national consultation rates for 2008, 2009 seasons, and 2010 so far. The current rate of influenza-like illness is below the baseline.

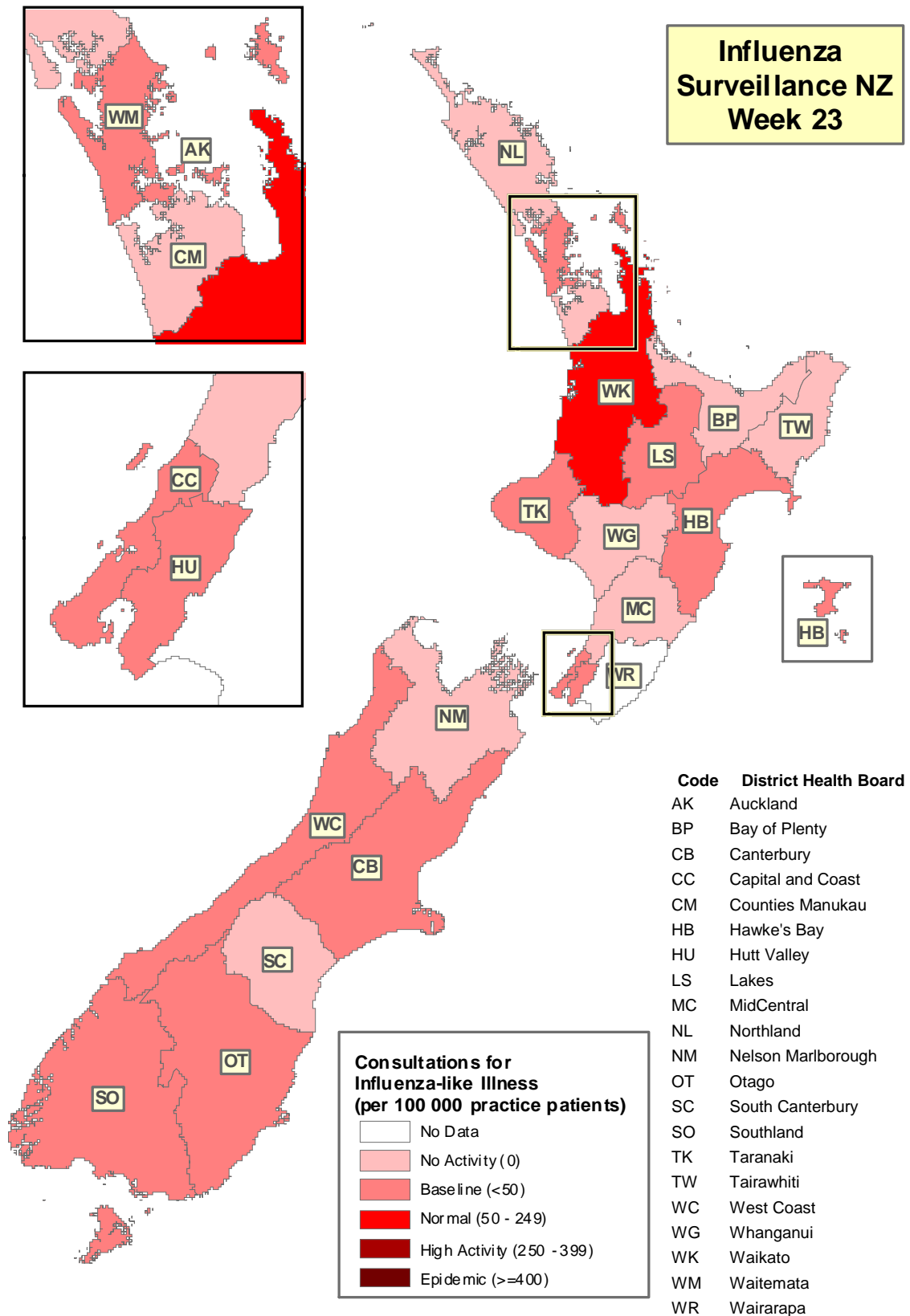
Figure 2: Weekly consultation rates for influenza-like illness in New Zealand, 2008, 2009 and 2010



* 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 activity.

** Year-to-date 2010 ILI data submitted by most sentinel practices in Counties Manukau DHB have been excluded due to sensitivity and specificity issues that cannot be resolved.

Figure 3 illustrates consultation rates for influenza-like illness mapped by DHB for week 23, 2010



Compiled by:
 Liza Lopez
 Population and Environmental Health
 ESR Kenepuru Science Centre
 PO Box 50 348, PORIRUA
 Tel : 04 914 0647 Fax: 04 978 6690 Email:liza.lopez@esr.cri.nz

Dr. Sue Huang
 WHO National Influenza Centre
 ESR Wallaceville Science Centre
 PO Box 40158, Upper Hutt