

INFLUENZA SURVEILLANCE

SUMMARY - October 2011

During October (weeks 39 – 43), 429 consultations for influenza-like illness were reported from 81 general practices (on average) in all 20 District Health Boards (DHB). The average monthly consultation rate for October was 23.2 per 100 000 patient population. Figure 1 shows the national weekly consultation rates to the end of week 43, October 2011 and rates in 2010 and 2009.

Figure 1: Weekly consultation rates for influenza-like illness in New Zealand, 2009, 2010 and 2011

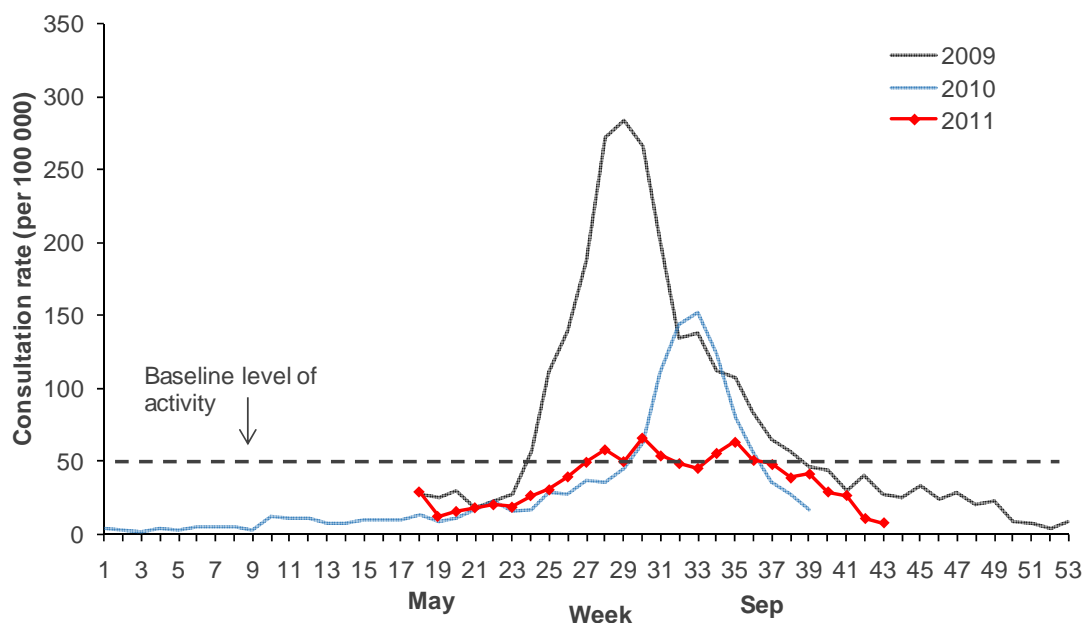
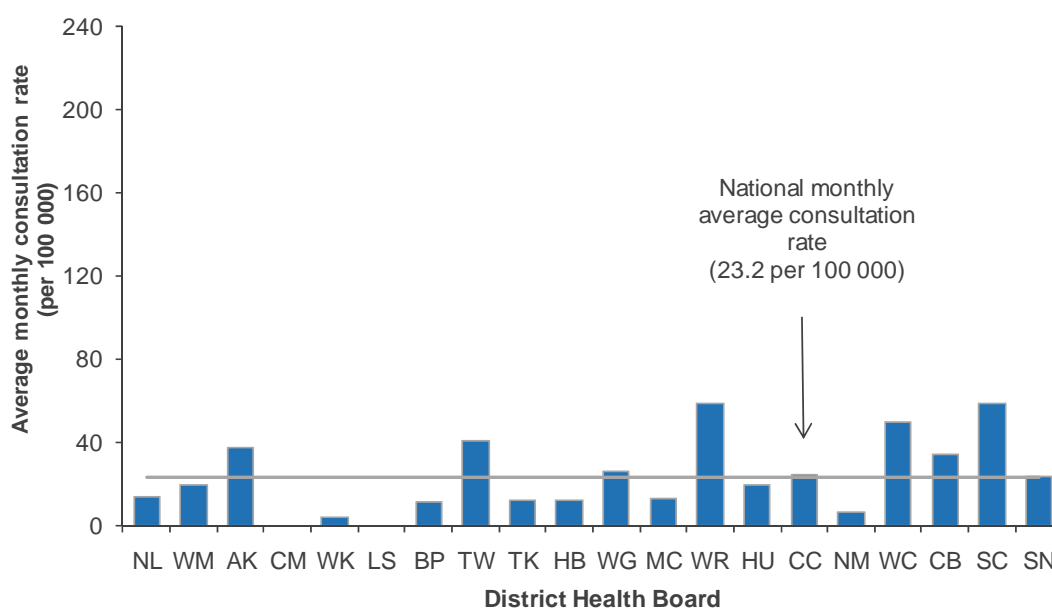


Figure 2 compares the average monthly consultation rates for influenza-like illness for each DHB during October. Wairarapa had the highest consultation rate (58.4 per 100 000, 7 cases), followed by South Canterbury (58.0 per 100 000, 20 cases) and West Coast (49.7 per 100 000, 35 cases).

Figure 2: Average monthly consultation rates for influenza-like illness by DHB, October 2011



A total of 1168 swabs were received for testing during October from sentinel (86) and non-sentinel (1082) surveillance. Nineteen viruses were identified from sentinel and 92 from non-sentinel surveillance. The distribution by DHB is shown Table 1 in Table 2 and respectively.

Table 1: Sentinel viruses for October 2011 by DHB

| Antigenic Strain | AK | TK | NM | WC | CB | SN | Total |
|---------------------------|----------|----------|----------|----------|----------|----------|-----------|
| A (not sub-typed) | 3 | | | | | | 3 |
| A(H3N2) | | | 2 | 1 | 3 | 1 | 7 |
| B | | | | 1 | 2 | 5 | 8 |
| A(H1N1)pdm09 ⁱ | | 1 | | | | | 1 |
| Total | 3 | 1 | 2 | 2 | 5 | 6 | 19 |

Table 2: Non-sentinel viruses for October 2011 by DHB

| Antigenic Strain | WM | AK | CM | WK | BP | TK | WG | MC | CC | CB | SN | Total |
|---------------------------|----------|-----------|-----------|-----------|----------|----------|----------|----------|-----------|-----------|----------|-----------|
| A (not sub-typed) | 1 | 4 | 3 | 3 | | 1 | | | 1 | 3 | | 16 |
| A(H3N2) | | 4 | 10 | 5 | 1 | | 1 | 5 | 10 | 17 | 1 | 54 |
| B | | 2 | | 2 | | | | | 1 | 10 | | 15 |
| A(H1N1)pdm09 ⁱ | | 4 | 1 | | | | | | | 2 | | 7 |
| Total | 1 | 14 | 14 | 10 | 1 | 1 | 1 | 5 | 12 | 32 | 1 | 92 |

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 |