In the past week, a total of 253 consultations for influenza-like illness were reported from 75 general practices in 23 of the 24 health districts. This gives a weekly consultation rate of 76.4 per 100 000 patient population.

Figure 1 compares the consultation rates for influenza-like illness for each health district over the past week. Northland had the highest consultation rate (1069.0 per 100 000), followed by Wanganui (404.6 per 100 000).

Fifty-four swabs were sent from the sentinel surveillance in the past week. Forty-five were received by virology laboratories. Of these, 25 influenza viruses were identified, 13 A H3N2 (not antigenically sub-typed), seven B (not antigenically typed), and five influenza A (yet to be sub-typed). The distribution by health district is shown in Table 1.

<table>
<thead>
<tr>
<th>Antigenic Strain</th>
<th>NW</th>
<th>CA</th>
<th>SA</th>
<th>WK</th>
<th>TG</th>
<th>BE</th>
<th>GS</th>
<th>TP</th>
<th>HB</th>
<th>WG</th>
<th>MW</th>
<th>WR</th>
<th>WN</th>
<th>NM</th>
<th>CB</th>
<th>SC</th>
<th>OT</th>
<th>SO</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (yet to be sub-typed)</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>A H3N2 (not antigenically sub-typed)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>13</td>
</tr>
<tr>
<td>B (not antigenically typed)</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>25</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[ ] Health district did not participate for the week.
Note: Some health districts have only one sentinel GP with a small patient denominator so the consultation rates could be high (e.g. Northland).
In addition, 30 influenza viruses were reported this week from the laboratory-based (non-sentinel) surveillance, 20 influenza A (yet to be sub-typed) and 10 B (not antigenically typed). The distribution by health district is shown in Table 2.

<table>
<thead>
<tr>
<th>Antigenic Strain</th>
<th>NW</th>
<th>CA</th>
<th>SA</th>
<th>WK</th>
<th>HB</th>
<th>WN</th>
<th>NM</th>
<th>CB</th>
<th>SC</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (yet to be sub-typed)</td>
<td>0</td>
<td>4</td>
<td>6</td>
<td>1</td>
<td>6</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>B (not antigenically typed)</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>Total</td>
<td>1</td>
<td>7</td>
<td>10</td>
<td>1</td>
<td>7</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>30</td>
</tr>
</tbody>
</table>

Figure 2 show the cumulative total of influenza viruses confirmed (sentinel and laboratory-based surveillance) to the end of week 28, 11 July 2008. A total of 237 influenza viruses were identified, 118 influenza A (yet to be sub-typed), 39 A/Brisbane/10/2007 (H3N2) – like, 27 A H3N2 (not antigenically sub-typed), one A H1N1 (not antigenically sub-typed), 37 influenza B (not antigenically typed), and 15 B/Florida/4/2006 – lineage.

**Figure 2**

*Figure 2: Cumulative laboratory-confirmed isolates by health district to 11 July 2008*

Figure 3 shows the weekly national consultation rates for 2006 and 2007 seasons, and 2008 so far. The current rate of influenza is higher than at the same time last year.
Figure 3 illustrates consultation rates for influenza-like illness mapped by health district for week 28, 2008.
Figure 4

Influenza Surveillance NZ Week 28

Consultations for Influenza-like Illness (per 100 000 practice patients)

- No Data
- No Activity (0)
- Baseline (<50)
- Normal (50 - 249)
- High Activity (250 - 399)
- Epidemic (>=400)

Code | Health District
--- | ---
BE | Eastern Bay of Plenty
CA | Central Auckland
CB | Canterbury
GS | Gisborne
HB | Hawkes Bay
HU | Hutt
MW | Manawatu
NL | Northland
NM | Nelson Marlborough
NW | North West Auckland
OT | Otago
RO | Rotorua
RU | Ruapehu
SA | South Auckland
SC | South Canterbury
SO | Southland
TG | Tauranga
TK | Taranaki
TP | Taupo
WC | West Coast
WG | Wanganui
WK | Waikato
WN | Wellington
WR | Wairarapa

Compiled by: Liza Lopez
Population and Environmental Health phone: 04 914-0647
ESR Kenepuru Science Centre fax: 04 914-0770
PO Box 50 348 email: liza.lopez@esr.cri.nz
PORIRUA