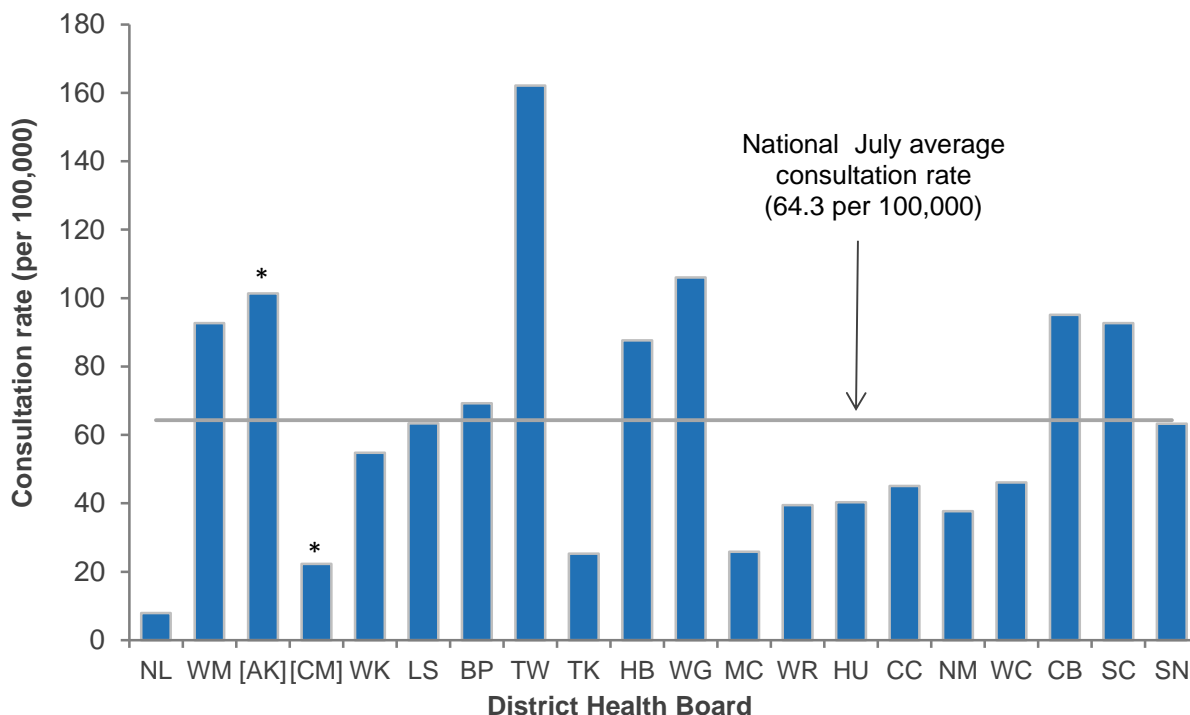


# INFLUENZA SURVEILLANCE SUMMARY - JULY 2015

During July (weeks 27–30), 807 consultations for influenza-like illness were reported from 58 general practices (on average) in 18 of the 20 District Health Boards (DHB). The average monthly consultation rate for July was 64.3 per 100,000 patient population.

Figure 1 compares the average monthly consultation rates for influenza-like illness for each DHB during July. Tairāwhiti 162.1 per 100,000, 5 cases) and Whanganui (106.0 per 100,000, 22 cases) DHBs had the highest consultation rates.

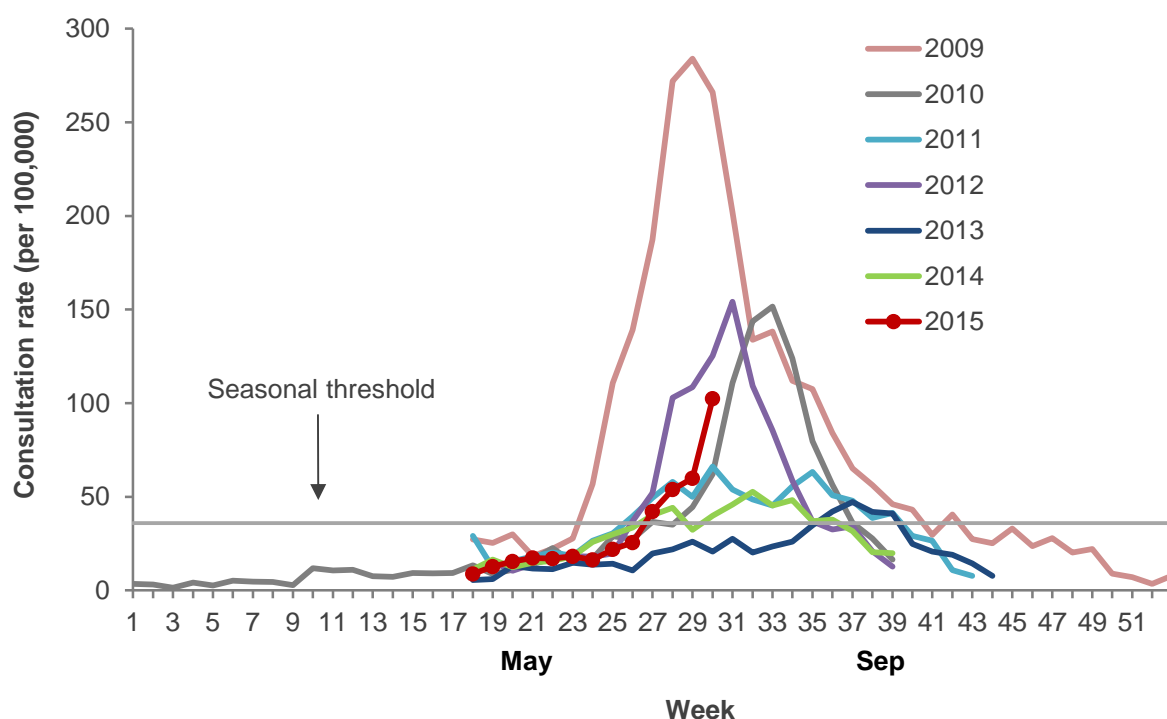
**Figure 1. Average monthly consultation rates for influenza-like illness by DHB, July 2015**



Note: Auckland (AK) and Counties Manukau (CM) DHBs follow the Southern Hemisphere Influenza and Vaccine Effectiveness Research and Surveillance (SHIVERS) case definition which is different from this sentinel surveillance. Based on the SHIVERS weekly report, the ILI incidence for Auckland and Counties Manukau DHBs for July were 101.4 per 100,000 and 22.3 per 100,000 patient populations, respectively. For more details, please refer to the website: <http://www.esr.cri.nz/health-science/our-work/shivers/reports/>

Figure 2 shows the national weekly consultation rates to the end of week 30, July 2015 in comparison to the previous years, 2009–2014.

**Figure 2. Weekly consultation rates for influenza-like illness in New Zealand, 2009–2015**



## VIROLOGICAL SURVEILLANCE

A total of 237 swabs were received by virology laboratories from sentinel surveillance. One hundred and seventy-one influenza viruses were identified: A(H3N2) (12) including one A/Switzerland/9715293/2013 (H3N2)-like, B/Victoria lineage (10) including eight B/Brisbane/60/2008-like, B/Phuket/3073/2013-like (9), B (not lineage typed) (93), and A (not sub-typed) (47). The distribution by DHB is shown in Table 1.

**Table 1. Influenza viruses from sentinel surveillance for July by DHB**

| Antigenic Strain                       | DHB      |          |           |          |          |          |          |          |          |          |          |           |          |           |           | Total      |
|--|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|-----------|-----------|------------|
|  | NL       | WM       | WK        | LS       | BP       | TW       | TK       | HB       | WG       | WR       | HU       | CC        | NM       | CB        | SN        |            |
| A (not sub-typed)                      | 1        | 3        | 10        | 2        | 1        | 2        | 2        | 6        | 0        | 3        | 1        | 10        | 2        | 0         | 4         | <b>47</b>  |
| A(H3N2)                                | 0        | 0        | 1         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 10        | 0         | <b>11</b>  |
| A/Switzerland/9715293/2013 (H3N2)-like | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0         | 0        | 0         | 0         | <b>1</b>   |
| B (not lineage-typed)                  | 0        | 1        | 0         | 1        | 0        | 0        | 0        | 1        | 0        | 2        | 2        | 3         | 1        | 78        | 4         | <b>93</b>  |
| B/Victoria lineage                     | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 1         | 0        | 0         | 1         | <b>2</b>   |
| B/Brisbane/60/2008-like                | 0        | 1        | 0         | 0        | 0        | 0        | 0        | 0        | 1        | 0        | 0        | 1         | 1        | 1         | 3         | <b>8</b>   |
| B/Phuket/3073/2013-like                | 0        | 2        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 1        | 1        | 1         | 0        | 3         | 1         | <b>9</b>   |
| <b>Total</b>                           | <b>1</b> | <b>7</b> | <b>11</b> | <b>3</b> | <b>1</b> | <b>2</b> | <b>2</b> | <b>8</b> | <b>1</b> | <b>6</b> | <b>4</b> | <b>16</b> | <b>4</b> | <b>92</b> | <b>13</b> | <b>171</b> |

In addition, 2726 swabs were received by virology laboratories from non-sentinel surveillance. Of these, 1509 influenza viruses were identified: A(H3N2) (502) including 15 A/Switzerland/9715293/2013 (H3N2)-like, A(H1N1)pdm09 (2), B/Yamagata lineage (36) including 29 B/Phuket/3073/2013-like, B (not lineage typed) (505), B/Victoria lineage (10) including eight B/Brisbane/60/2008-like, and A (not sub-typed) (454). The distribution by DHB is shown in Table 2.

**Table 2. Influenza viruses from non-sentinel surveillance for July by DHB**

| Antigenic Strain                       | DHB       |            |            |            |          |            |          |          |           |           |           |           |          |          |            |          |           | Total       |
|--|-----------|------------|------------|------------|----------|------------|----------|----------|-----------|-----------|-----------|-----------|----------|----------|------------|----------|-----------|-------------|
|  | WM        | AK         | CM         | WK         | LS       | BP         | TW       | TK       | HB        | MC        | HU        | CC        | NM       | WC       | CB         | SC       | SN        |             |
| A (not sub-typed)                      | 8         | 124        | 37         | 105        | 3        | 96         | 1        | 0        | 0         | 1         | 30        | 47        | 0        | 0        | 2          | 0        | 0         | <b>454</b>  |
| A(H1N1)pdm09                           | 0         | 0          | 0          | 0          | 0        | 0          | 0        | 0        | 0         | 0         | 0         | 0         | 0        | 0        | 2          | 0        | 0         | <b>2</b>    |
| A H3N2                                 | 0         | 253        | 130        | 4          | 0        | 0          | 0        | 6        | 13        | 10        | 3         | 14        | 4        | 1        | 48         | 1        | 0         | <b>487</b>  |
| A/Switzerland/9715293/2013 (H3N2)-like | 2         | 10         | 2          | 0          | 0        | 1          | 0        | 0        | 0         | 0         | 0         | 0         | 0        | 0        | 0          | 0        | 0         | <b>15</b>   |
| B (not lineage-typed)                  | 0         | 81         | 29         | 26         | 1        | 7          | 0        | 0        | 2         | 8         | 3         | 25        | 4        | 0        | 312        | 0        | 7         | <b>505</b>  |
| B/Yamagata lineage                     | 0         | 7          | 0          | 0          | 0        | 0          | 0        | 0        | 0         | 0         | 0         | 0         | 0        | 0        | 0          | 0        | 0         | <b>7</b>    |
| B/Phuket/3073/2013-like                | 2         | 9          | 7          | 0          | 0        | 0          | 0        | 0        | 0         | 0         | 0         | 1         | 0        | 0        | 8          | 0        | 2         | <b>29</b>   |
| B/Victoria lineage                     | 0         | 1          | 0          | 0          | 0        | 0          | 0        | 0        | 0         | 0         | 0         | 0         | 0        | 0        | 0          | 0        | 1         | <b>2</b>    |
| B/Brisbane/60/2008-like                | 1         | 2          | 0          | 0          | 0        | 0          | 0        | 0        | 0         | 0         | 0         | 0         | 0        | 4        | 0          | 1        | <b>8</b>  |             |
| <b>Total</b>                           | <b>13</b> | <b>487</b> | <b>205</b> | <b>135</b> | <b>4</b> | <b>104</b> | <b>1</b> | <b>6</b> | <b>15</b> | <b>19</b> | <b>36</b> | <b>87</b> | <b>8</b> | <b>1</b> | <b>376</b> | <b>1</b> | <b>11</b> | <b>1509</b> |

**Table 3. DHB codes and Abbreviations**

| 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           |

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