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## VIROLOGY WEEKLY REPORT

2013/38 04 October 2013

A summary of laboratory-diagnosed viral infections of interest for the week of 16/09/2013 - 22/09/2013

### PRIMARY DIAGNOSTIC REPORTS ON VIRAL INFECTIONS REPORTED THIS WEEK

|                                   | Laboratories reporting Virus Identification |             |                 |                  | TOTAL |
|-----------------------------------|---|-------------|-----------------|------------------|-------|
|                                   | Auckland labs                               | Waikato lab | Wellington labs | Christchurch lab |       |
| Influenza A                       | 5   |             | 64              |                  | 69    |
| Influenza A H1N1 swl              | 5   |             | 3               | 15               | 23    |
| Influenza A H3N2                  | 34  | 1           | 16              | 5                | 56    |
| Influenza B                       | 12  | 14          | 42              | 14               | 82    |
| Bocavirus                         |   |             |                 | 2                | 2     |
| Coronavirus                       |   |             |                 | 5                | 5     |
| Metapneumovirus                   | 2   |             |                 | 4                | 6     |
| Mycoplasma Pneumoniae             |   | 3           | 1               | 5                | 9     |
| Parainfluenza 1                   | 1   |             |                 |                  | 1     |
| Parainfluenza 2                   | 2   |             |                 |                  | 2     |
| Parainfluenza 3                   | 24  | 1           |                 | 3                | 28    |
| Parainfluenza 4                   |   |             |                 | 1                | 1     |
| Picornavirus                      | 50  | 1           |                 |                  | 51    |
| Respiratory Syncytial Virus (RSV) | 5   | 4           | 6               | 6                | 21    |
| Rhinovirus                        | 3   |             | 38              | 21               | 62    |
| Rotavirus                         | 5   | 4           | 4               | 1                | 14    |
| Varicella Zoster Virus (VZV)      | 4   | 6           |                 | 5                | 15    |
| Adenovirus                        | 24  | 5           | 4               | 3                | 36    |
| Enterovirus                       | 10  | 3           | 8               | 1                | 22    |

### TYPING AND IDENTIFICATIONS FOR VIRUSES WITH PUBLIC HEALTH IMPORTANCE (ESR and others)

| Virus       | Type/subtype      | ID Method | Health district | Specimen Type/site | Date Specimen taken | Age/sex | Clinical data  |
|-------------|-------------------|-----------|-----------------|--------------------|---------------------|---------|----------------|
| Adenovirus  | Type 4            | Neut      | CA              | Eye                | 31.8.2013           | 63Y/F   | Conjunctivitis |
| Enterovirus | Echovirus type 7  | Seq       | CB              |                    | 20.8.2013           | 7M/M    |                |
| Enterovirus | Echovirus type 7  | Seq       | WK              | Nasal              | 21.8.2013           | 1Y/F    | Fever          |
| Enterovirus | Echovirus type 7  | Seq       | SA              |                    | 19.8.2013           | 11Y/F   |                |
| Enterovirus | Echovirus type 30 | Seq       | CB              |                    | 24.8.2013           | 19Y/M   |                |
| Enterovirus | Echovirus type 30 | Seq       | CA              |                    | 25.8.2013           | 1 Y/F   |                |

CA: Central Auckland

CB: Canterbury

SA: South Auckland

WK: Waikato

Seq PCR sequencing

Neut Neutralisation test

NOTE: During April to September 2013, sentinel as well as hospital surveillance for influenza is conducted. For detailed information on consultation rates and viral isolations, please refer to "Influenza Weekly Update" report which can be viewed at [http://www.surv.esr.cri.nz/virology/influenza\\_weekly\\_update.php](http://www.surv.esr.cri.nz/virology/influenza_weekly_update.php).

The Virology Weekly reporting only records numbers of influenza viral isolations from sentinel and hospital surveillance. This report is also available at [http://www.surv.esr.cri.nz/virology/virology\\_weekly\\_report.php](http://www.surv.esr.cri.nz/virology/virology_weekly_report.php).

Data provided by Virology Laboratories of Auckland, Waikato, Christchurch Hospitals, Microbiology Laboratory of Wellington Hospital, Middlemore hospital and ESR.

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