

# VIROLOGY WEEKLY REPORT

ISSN: 1680 (Print)  
ISSN: 1179-903 (Online)

2017/18 15 May 2017

A Summary of Laboratory-diagnosed viral infections of interest for the week of 01/05/2017 - 07/05/2017

## PRIMARY DIAGNOSIS REPORTS ON VIRAL INFECTIONS REPORTED THIS WEEK

|                                   | Laboratories reporting virus identification |            |         |         |     |            |              |         |       |
|-----------------------------------|---|------------|---------|---------|-----|------------|--------------|---------|-------|
|                                   | LabPlus                                     | Middlemore | Waikato | Pathlab | ESR | Wellington | Christchurch | Dunedin | TOTAL |
| Influenza A                       | 1   |            |         | 1       | 1   | 5          |              |         | 8     |
| Influenza A H3N2                  |   | 9          |         |         | 2   |            |              |         | 11    |
| Influenza B                       | 2   | 2          | 1       |         | 2   | 7          |              |         | 14    |
| Astrovirus                        |   |            |         |         |     |            | 1            |         | 1     |
| Bocavirus                         |   |            |         |         |     |            | 1            |         | 1     |
| Metapneumovirus (HMPV)            | 1   | 1          |         |         |     |            |              |         | 2     |
| Mycoplasma pneumoniae             |   |            |         |         |     |            | 4            |         | 4     |
| Norovirus                         |   |            |         |         |     |            | 2            |         | 2     |
| Parainfluenza type 1              |   |            |         |         |     |            | 1            |         | 1     |
| Parainfluenza type 2              |   | 3          |         |         | 1   |            |              |         | 4     |
| Parainfluenza type 3              | 1   | 5          |         |         |     |            |              |         | 6     |
| Parvovirus                        |   |            |         |         |     |            | 1            |         | 1     |
| Picornavirus                      |   | 36         |         |         |     |            |              | 5       | 41    |
| Respiratory Syncytial Virus (RSV) | 1   | 9          | 3       | 1       | 3   | 1          | 1            |         | 19    |
| Rhinovirus                        | 13  |            |         |         | 2   |            | 20           |         | 35    |
| Rotavirus                         |   |            |         |         |     |            | 1            |         | 1     |
| Varicella Zoster Virus (VZV)      | 26  | 1          | 7       |         |     | 4          | 9            | 4       | 51    |
| Adenovirus                        | 5   | 2          |         |         | 3   |            | 4            |         | 14    |
| Enterovirus                       | 4   | 3          |         |         |     | 1          | 4            |         | 12    |
| Mumps                             | 5   |            |         |         |     |            |              |         | 5     |

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

| Virus       | Type / Subtype                 | ID Method | DHB              | Specimen Type/ Site | Date Specimen Taken | Age / Sex | Clinical Data                                  |
|-------------|--------------------------------|-----------|------------------|---------------------|---------------------|-----------|--|
| Adenovirus  | Type 2                         | Seq       | Canterbury       | NPS                 | 10/04/2017          | 6M/M      |  |
| Adenovirus  | Type 3                         | Seq       | Canterbury       | Eye Swab            | 09/04/2017          | 40/M      | Conjunctivitis, neutropenia, URTI              |
| Adenovirus  | Type 2                         | Seq       | MidCentral       | Swab                | 13/04/2017          | 1/M       | Convulsions, febrile, fever, pharyngitis, rash |
| Adenovirus  | Type 19                        | Seq       | Waikato          | Eye Swab            | 07/04/2017          | 52/M      | Conjunctivitis                                 |
| Adenovirus  | Type 35                        | Seq       | Waikato          | Eye Swab            | 05/04/2017          | 30/M      | Red left eye                                   |
| Enterovirus | Coxsackievirus Group A type 16 | PCR       | Counties Manukau | NPA                 | 29/03/2017          | 1/F       |  |
| Enterovirus | Echovirus type 25              | Seq       | Counties Manukau | Throat Swab         | 19/03/2017          | 5/M       |  |
| Enterovirus | Enterovirus type 71            | Seq       | Waikato          | Skin Swab           | 22/03/2017          | 37/F      | ?Hand foot/ mouth                              |
| Mumps       |                                | PCR       | Counties Manukau | Buccal swab         | 03/05/2017          | 28/M      | Cousin with mumps                              |
| Mumps       |                                | PCR       | Waitemata        | Buccal swab         | 28/04/2017          | 12/F      | Enlarged gland                                 |
| Mumps       |                                | PCR       | Waitemata        | Swab                | 29/04/2017          | 13/M      |  |
| Mumps       |                                | PCR       | Waitemata        | Swab                | 01/05/2017          | 18/F      |  |
| Mumps       |                                | PCR, IgM  | Waitemata        | Buccal swab, Serum  | 04/05/2017          | 37/F      |  |

NPA Nasopharyngeal Aspirate  
IgM IgM ELISA

NPS Nasopharyngeal Swab  
Seq PCR sequencing

NOTE: During April to September 2017, 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 LabPlus, Waikato and Christchurch Hospital, Microbiology Laboratory of Wellington, Middlemore, Tauranga and Dunedin Hospital and ESR's Clinical Virology and Enteric Viruses Laboratory.

Edited by: Ben Waite and Judy Bocacao, Clinical Virology Laboratory, Health Program

Enquiries: Judy Bocacao, Tel: 644 5290618, e-mail: [judy.bocacao@esr.cri.nz](mailto:judy.bocacao@esr.cri.nz)