

VIROLOGY WEEKLY REPORT

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A Summary of Laboratory-diagnosed viral infections of interest for the week of 03/06/2019 - 09/06/2019

PRIMARY DIAGNOSIS REPORTS ON VIRAL INFECTIONS REPORTED THIS WEEK

| | Laboratories reporting virus identification | | | | | | | |
|-----------------------------------|---|------------|---------|-----|------------|--------------|---------|-------|
| | LabPlus | Middlemore | Waikato | ESR | Wellington | Christchurch | Dunedin | TOTAL |
| Influenza A | 50 | | 42 | | 3 | 143 | | 238 |
| Influenza A H1N1 pdm09 | | 25 | | 9 | | | | 34 |
| Influenza A H3N2 | | 58 | | 30 | | 6 | 1 | 95 |
| Influenza B | 49 | 21 | 18 | 38 | 19 | 32 | 2 | 179 |
| Bocavirus | | | | | | 2 | | 2 |
| Coronavirus | | | 1 | | | | | 1 |
| Metapneumovirus (HMPV) | 2 | 4 | | 2 | | 7 | 1 | 16 |
| Mycoplasma pneumoniae | | | | | | 1 | | 1 |
| Norovirus | | | | 5 | | 5 | | 10 |
| Parainfluenza 2 | 4 | 2 | 1 | 3 | | 1 | | 11 |
| Parainfluenza 3 | 5 | 3 | 1 | 2 | | 1 | | 12 |
| Parainfluenza 4 | | | 1 | | | 1 | | 2 |
| Picornavirus | | 74 | | | | | 6 | 80 |
| Respiratory Syncytial Virus (RSV) | 19 | 14 | 7 | 4 | 4 | 12 | 1 | 61 |
| Rhinovirus | 32 | | | 16 | 5 | 14 | | 67 |
| Rotavirus | | | | | | 1 | | 1 |
| Sapovirus | | | | | | 2 | | 2 |
| Varicella Zoster Virus (VZV) | 18 | | 5 | | 7 | 7 | 2 | 39 |
| Adenovirus | 11 | 4 | | | | 7 | 1 | 23 |
| Enterovirus | 7 | 2 | 2 | 1 | 1 | 2 | 2 | 17 |
| Measles | 23 | | | | | 3 | | 26 |

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 |
|---------|----------------|-----------|-------------------|---------------------|---------------------|-----------|-----------------------|
| Measles | | IgM | Auckland | Serum | 02/06/2019 | 40/M | |
| Measles | | IgM | Auckland | Serum | 04/06/2019 | 51/M | |
| Measles | | PCR | Canterbury | Nasal swab | 02/06/2019 | 3/F | |
| Measles | | PCR | Capital and Coast | Swab | 30/05/2019 | 22/M | Fever, rash |
| Measles | | PCR | Counties Manukau | Buccal swab | 03/06/2019 | 5M/M | |
| Measles | | PCR | Counties Manukau | Nasal swab | 31/05/2019 | 16/M | |
| Measles | | PCR | Counties Manukau | NPS | 04/06/2019 | 25/M | |
| Measles | | PCR | Counties Manukau | Swab | 01/06/2019 | 9M/F | |
| Measles | | PCR | Counties Manukau | Swab | 03/06/2019 | 1/F | |
| Measles | | PCR | Counties Manukau | Swab | 04/06/2019 | 24/M | Rash |
| Measles | | PCR, IgM | Counties Manukau | NPS, serum | 05/06/2019 | 3/M | |
| Measles | | PCR | Counties Manukau | Swab | 07/06/2019 | 1/F | |
| Measles | | PCR | Counties Manukau | Swab | 07/06/2019 | 29/F | Fever, rash |
| Measles | | PCR | Counties Manukau | Throat | 01/06/2019 | 40/M | Conjunctivitis, cough |
| Measles | | PCR | Counties Manukau | Throat | 02/06/2019 | 25/M | |
| Measles | | PCR | Counties Manukau | Throat | 02/06/2019 | 40/M | |
| Measles | | PCR | Counties Manukau | Throat | 03/06/2019 | 1/M | |
| Measles | | PCR | Counties Manukau | Throat | 05/06/2019 | 9M/M | |
| Measles | | PCR | Counties Manukau | Throat | 06/06/2019 | 1/F | Conjunctivitis, fever |
| Measles | | PCR | Counties Manukau | Throat | 06/06/2019 | 4/F | |
| Measles | | PCR | Northland | Swab | 01/06/2019 | 50/F | |
| Measles | | PCR | Waitemata | Swab | 02/06/2019 | 2/F | Cold, cough |
| Measles | | PCR | Waitemata | Swab | 04/06/2019 | 28/F | Fever, headache, rash |
| Measles | | PCR | Waitemata | Throat | 02/06/2019 | 21`/M | |

NPA Nasopharyngeal Aspirate
IgM IgM ELISA

NPS Nasopharyngeal Swab
PCR Polymerase Chain Reaction

NOTE: During April to September 2019, 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. 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.

Data provided by Virology Laboratories of Auckland LabPlus, Waikato and Christchurch Hospital, Microbiology Laboratory of Wellington, Middlemore, and Dunedin Hospital and ESR's Clinical Virology and Enteric Viruses Laboratory.

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