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VIROLOGY WEEKLY REPORT

2011/47 05 December 2011

A summary of laboratory-diagnosed viral infections of interest for the week of 21/11/2011 - 27/11/2011

PRIMARY DIAGNOSTIC REPORTS ON VIRAL INFECTIONS REPORTED THIS WEEK

| | Regions Reporting Virus identification | | | | TOTAL |
|-----------------------------------|--|---------|------------|--------------|-------|
| | Auckland | Waikato | Wellington | Christchurch | |
| Influenza A | 1 | | | 1 | 2 |
| Influenza A H1N1 | 1 | | | | 1 |
| Influenza A H3N2 | | | 2 | | 2 |
| Metapneumovirus | 2 | | | 1 | 3 |
| Mycoplasma Pneumoniae | | 2 | | 1 | 3 |
| Parainfluenza 1 | 5 | | | | 5 |
| Parainfluenza 3 | 2 | | | | 2 |
| Respiratory Syncytial Virus (RSV) | | | | 3 | 3 |
| Rhinovirus | | | | 3 | 3 |
| Rotavirus | 4 | 8 | | 14 | 26 |
| Varicella Zoster Virus (VZV) | 4 | 8 | 3 | 8 | 23 |
| Adenovirus | 6 | 7 | | 1 | 14 |
| Enterovirus | 6 | 1 | 1 | 3 | 11 |
| Measles | 26 | | 1 | 5 | 32 |
| Mumps | | | | 1 | 1 |
| Rubella | 1 | | | | 1 |

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 1 | Neut | CA | Right Eye Swab | 07.11.2011 | 39 Y/F | |
| Adenovirus | Type 4 | Neut | CA | Left Eye Swab | 07.11.2011 | 62 Y/F | |
| Enterovirus | Echovirus type 18 | Neut | CA | Throat Swab | 29.10.2011 | 1 Y/F | |
| Influenza A H1N1 | A/California/7/2009 (H1N1) like virus | HAI | SA | NPA | 12.11.2011 | 8M/M | |
| Influenza A H3N2 | A/Perth/16/2009 (H3N2) - like virus | HAI | SA | NPS | 03.11.2011 | 4 M/F | |
| Influenza A H3N2 | A/Perth/16/2009 (H3N2) - like virus | HAI | SA | Sputum | 26.10.2011 | 66 Y/M | |
| Influenza B | B/Brisbane/60/2008 - like virus | HAI | SA | NPA | 7.11.2011 | 13M/M | |
| Measles | | PCR | CA | Swab | 18.11.2011 | 7 Y/F | |
| Measles | | PCR | CA | Throat Swab | 21.11.2011 | 20Y/M | Fever, Rash |
| Measles | | PCR | CA | Swab | 21.11.2011 | 2Y/M | |
| Measles | | PCR | CA | Swab | 20.11.2011 | 12Y/M | |
| Measles | | PCR | CA | Swab | 20.11.2011 | 13Y/M | |
| Measles | | PCR | CA | Swab | 20.11.2011 | 12Y/M | |
| Measles | | PCR | CA | Swab | 20.11.2011 | 15 Y/M | |
| Measles | | PCR | CA | Swab | 19.11.2011 | 10Y/M | |
| Measles | | PCR | CA | Swab | 18.11.2011 | 26Y/F | |
| Measles | | PCR | CA | Swab | 17.11.2011 | 20Y/M | |
| Measles | | PCR | CA | Swab | 21.11.2011 | 14Y/F | Rash, Koplik spots |
| Measles | | PCR | CA | Swab | 22.11.2011 | 12Y/M | Rash |
| Measles | | PCR | WN | Swab | 21.11.2011 | 14Y/M | |
| Measles | | PCR | CA | Swab | 19.11.2011 | 11M/M | |
| Measles | | PCR | CA | Swab | 23.11.2011 | 9Y/F | |
| Measles | | PCR | CB | Not stated | 24.11.2011 | 10M/M | Clinical measles |
| Measles | | PCR | OT | Not stated | 18.11.2011 | 2Y/F | Contact with measles, unwell. MMR given after exposure & at that time there were no symptoms. |
| Measles | | PCR | MW | Throat | 21.11.2011 | 13Y/M | |
| Measles | | PCR | MW | Throat | 19.11.2011 | 13Y/M | |
| Measles | | PCR | CA | Throat Swab | 24.11.2011 | 1Y/M | |
| Measles | | PCR | CA | Throat Swab | 22.11.2011 | 19Y/M | |
| Measles | | PCR | CA | Throat Swab | 23.11.2011 | 15Y/M | Rash |
| Measles | | PCR | CA | Swab | 20.11.2011 | 13Y/F | |
| Measles | | PCR | CA | Throat Swab | 23.11.2011 | 17Y/M | Rash, sore throat |
| Measles | | PCR | CA | Throat Swab | 23.11.2011 | 34Y/F | |
| Measles | | PCR | CA | Throat Swab | 22.11.2011 | 20Y/M | |
| Measles | | PCR | CA | Throat Swab | 22.11.2011 | 14Y/M | |
| Measles | | PCR | CA | Throat Swab | 21.11.2011 | 30Y/F | |

| | | | | | | | |
|---------|--|-------------|----|-----------------------|------------|--------|----------------------------|
| Measles | | PCR, IgM | CA | Throat Swab, serum | 21.11.2011 | 29Y/F | Rash, red throat, fever |
| Measles | | PCR | CA | NPS | 21.11.2011 | 12Y/M | Fever, Rash |
| Measles | | PCR | CA | Throat Swab | 23.11.2011 | 35Y/F | Fever, Rash |
| Measles | | PCR | OT | Throat Swab | 22.11.2011 | 32 Y/F | Measles contact |
| Mumps | | IgM | MW | Serum | 18.11.2011 | 45Y/F | Bilateral Parotitis |
| Rubella | | PCR | CA | Throat Swab | 14.11.2011 | 61Y/F | |

CA: Central Auckland

CB: Canterbury

MW: Manawatu

OT: Otago

SA: South Auckland

WN: Wellington

Neut Neutralisation test
NPA Nasopharyngeal Aspirate
IgM Positive IgM ELISA
Seq PCR sequencing

PCR Polymerase Chain Reaction
NPS Nasopharyngeal Swab
HAI Haemagglutination Inhibition test

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

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