



ISSN: 1173-1680 (Print)
ISSN: 1179-903X (Online)



VIROLOGY WEEKLY REPORT

2011/42 31 October 2011

A summary of laboratory-diagnosed viral infections of interest for the week of 17/10/2011 - 23/10/2011

PRIMARY DIAGNOSTIC REPORTS ON VIRAL INFECTIONS REPORTED THIS WEEK

	Regions reporting Virus Identification				TOTAL
	Auckland	Waikato	Wellington	Christchurch	
Influenza A	5	1		2	8
Influenza A H3N2			2	6	8
Influenza B		1	1	2	4
Metapneumovirus	7	1		5	13
Mycoplasma Pneumoniae		1		5	6
Parainfluenza 2	1				1
Parainfluenza 3	3	4		1	8
Parvovirus				5	5
Respiratory Syncytial Virus (RSV)	9	4	2	6	21
Rhinovirus	4		2	11	17
Rotavirus	11	8	3	20	42
Varicella Zoster Virus (VZV)	5	3		13	21
Adenovirus	9	2	1	2	14
Enterovirus	9		14	1	24
Measles	12	2	3	4	21

This week, ESR identified 1 Influenza A H3N2 and 2 Influenza B virus infections from Cook Islands.

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	Throat Swab	12.10.2011	39 Y/M	
Adenovirus	Type 1	Seq	SA	NPA	12.8.2011	10M/M	Pneumonia
Adenovirus	Type 1	Seq	SA	NPA	09.9.2011	4 M/F	Bronchiolitis
Adenovirus	Type 2	Seq	WK	Nasal swab	13.9.2011	2 Y/M	?Tonsillitis
Adenovirus	Type 2	Seq	SA	NPA	11.8.2011	4 M/F	Bronchiolitis
Adenovirus	Type 2	Seq	CB	Nasal swab	16.8.2011	1 Y/M	
Adenovirus	Type 2	Seq	SA	NPA	31.8.2011	5 M/F	Bronchiolitis
Adenovirus	Type 3	Seq	WK	NPA	19.8.2011	16M/M	
Adenovirus	Type 3	Seq	CB	NPS	20.8.2011	22 M/F	
Adenovirus	Type 4	Seq	CB	NPS	18.8.2011	20 Y/F	
Adenovirus	Type 4	Seq	SA	NPA	16.8.2011	2 Y/M	Pneumonia
Adenovirus	Type 4	Neut	CA	Eye Swab	02.10.2011	34Y/F	
Adenovirus	Type 5	Seq	WK	Throat swab	29.8.2011	4 Y/M	Tonsillitis
Adenovirus	Type 8	Seq	WK	Eye swab	31.8.2011	78 Y/M	Conjunctivitis
Adenovirus	Type 8	Neut	CA	Eye Swab	27.9.2011	48Y/M	Conjunctivitis
Adenovirus	Type 14	Seq	WK	NPA	10.8.2011	4 M/M	
Adenovirus	Type 14	Seq	SA	NPA	20.8.2011	12 M/F	Pneumonia
Enterovirus	Coxsackievirus Group A type 21	Seq	WK	Nasal swab	01.8.2011	19 M/M	
Enterovirus	Echovirus type 18	Seq	WN	CSF	25.9.2011	13 Y/M	?Meningitis
Enterovirus	Echovirus type 18	Seq	WN	CSF	08.9.2011	15 Y/M	
Enterovirus	Echovirus type 30	Seq	WK	Not specified	27.7.2011	2 M/M	
Measles		PCR, IgM	CA	Throat Swab, Serum	16.10.2011	38 Y/F	Rash
Measles		PCR	TK	NPS	17.10.2011	32 Y/M	
Measles		IgM, PCR	CA	Serum, NPS	16.10.2011	36Y/M	
Measles		PCR, IgM	CA	NPS, Serum	13.10.2011	28Y/M	Papular rash, Kopliks spots, conjunctivitis
Measles		PCR	CA	Swab	14.10.2011	37Y/M	
Measles		PCR	CA	Swab	14.10.2011	1Y/F	Fever, cough, coryza, conjunctivitis
Measles		PCR	CA	NPS	15.10.2011	18Y/M	
Measles		PCR	MW	Not stated	13.10.2011	23Y/M	Rash 2 days, not immunised
Measles		PCR	WK	Throat swab	11.10.2011	5 Y/F	Rash
Measles		PCR	SC	Serum	14.10.2011	49 Y/M	
Measles		PCR	TG	NPA	17.10.2011	10M/M	
Measles		PCR	CA	Nasal swab	21.10.2011	26 Y/F	
Measles		PCR	CA	Throat Swab	19.10.2011	20 Y/M	
Measles		PCR	CA	Throat Swab	18.10.2011	1 Y/F	Vaccinated 1 month ago
Measles		PCR	CA	Nasal swab	18.10.2011	14 Y/F	

Measles		PCR	CA	Swab	18.10.2011	29 Y/M	Rash
Measles		PCR	CA	Throat Swab	16.10.2011	20 Y/F	Rash, fever
Measles		PCR	WN	Swab	18.10.2011	27Y/M	
Measles		PCR	WN	Swab	18.10.2011	36Y/F	
Measles		PCR	WN	Swab	16.10.2011	41Y/M	Fever and rash
Measles		IgM	BE	Serum	17.10.2011	36 Y/F	Fever, myalgia

BE: Eastern Bay of Plenty

CA: Central Auckland

CB: Canterbury

MW: Manawatu

SA: South Auckland

SC: South Canterbury

TG: Tauranga

TK: Taranaki

WK: Waikato

WN: Wellington

Neut Neutralisation test
 PCR Polymerase Chain Reaction
 NPS Nasopharyngeal Swab
 CSF Cerebrospinal Fluid

NPA Nasopharyngeal Aspirate
 IgM Positive IgM ELISA
 Seq PCR sequencing

NOTE: During April to October 2011, 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, Waikato, Christchurch Hospitals, Microbiology Laboratory of Wellington Hospital and Middlemore Hospital, and ESR.

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