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## VIROLOGY WEEKLY REPORT

2014/23 12 June 2014

A summary of laboratory-diagnosed viral infections of interest for the week of 02/06/2014 - 08/06/2014

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

	Laboratories reporting Virus Identification				TOTAL
	Auckland labs	Waikato lab	Wellington labs	Christchurch lab	
Influenza A		8	6		14
Influenza A H1N1 pdm09	2		1	4	7
Influenza A H3N2			1		1
Influenza B	1				1
Coronavirus				3	3
Metapneumovirus		2	2	1	5
Mycoplasma pneumoniae		2	1	8	11
Parainfluenza 1	5	3	5	3	16
Parainfluenza 2	1				1
Parainfluenza 3	2				2
Parechovirus				2	2
Picornavirus	20	1			21
Respiratory Syncytial Virus (RSV)	13	7	5	8	33
Rhinovirus	14		10	21	45
Varicella Zoster Virus (VZV)	2	4	1	5	12
Adenovirus	6		4	2	12
Enterovirus	2	1	4		7
Measles	2	1			3

### 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 2	Seq	WK	Nasal	26.4.2014	8M/M	Fever
Adenovirus	Type 2	Seq	CB	NPS	19.5.2014	U/M	
Adenovirus	Type 2	Seq	WK	Faeces	06.5.2014	1Y/F	Pneumonia, tonsillitis
Adenovirus	Type 3	Seq	WK	Eye	13.5.2014	34Y/F	Conjunctivitis
Adenovirus	Type 3	Seq	SA	NPA	13.5.2014	1Y/M	
Adenovirus	Type 56*	Seq	WK	Eye	24.4.2014	52Y/F	
Enterovirus	Coxsackievirus Group B type 4	PCR	CA	Swab	20.5.2014	26Y/F	
Measles		PCR	CA	NPS	30.5.2014	1Y/M	Rash
Measles		PCR	CA	Throat	03.6.2014	4M/F	
Measles		IgM	WK	Serum	05.6.2014	14Y/F	

CA: Central Auckland

CB: Canterbury

SA: South Auckland

WK: Waikato

**Institute of Environmental Science & Research Limited**

ESR NCBIID - Wallaceville

66 Ward Street, PO Box 40-158, Wallaceville, Upper Hutt, New Zealand

Telephone: +64 4 529 0600, Facsimile: +64 4 5299 0601

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\* Please note that this is the first time that Adenovirus type 56 was identified in New Zealand from a patient with conjunctivitis. This virus was recently identified as a novel intertypic recombinant adenovirus and has high degree of sequence homologies with Adenovirus type 15 and 29. (Robinson, et.al , DOI: 10.1016/j.virol.2010.10.020) and ( Enomoto, et.al. Jpn. J. Infect. Dis., 65, 457-459, 2012).

HAdV-56 had been originally isolated in France in 2008 from the pulmonary biopsy of a 10-day-old neonate who had died because of a fatal respiratory infection, and from the conjunctival swabs of three healthcare workers who cared for the neonate and subsequently developed keratoconjunctivitis. This virus has caused pharyngoconjunctival fever (PCF) and had caused epidemic keratoconjunctivitis (EKC) throughout Japan and other countries.

PCR	Polymerase Chain Reaction	NPA	Nasopharyngeal Aspirate
NPS	Nasopharyngeal Swab	IgM	IgM ELISA
Seq	PCR sequencing		

NOTE: During April to September 2014, 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).

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Data provided by Auckland labs (Labplus -Virology and Middlemore Hospital - Microbiology), Waikato Virology lab, Canterbury Health-Virology lab and Wellington labs (Wellington Hospital- Microbiology Lab and ESR).

Edited by: Wendy Gunn 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)