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## VIROLOGY WEEKLY REPORT

2011/32 22 August 2011

A summary of laboratory-diagnosed viral infections of interest for the week of 08/08/2011 - 14/08/2011

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

	Regions reporting Virus identification				TOTAL
	Auckland	Waikato	Wellington	Christchurch	
Influenza A	5	1	8	1	15
Influenza A H1N1 swl	1		2	5	8
Influenza A H3N2	4		3	5	12
Influenza B	6	13	11	8	38
Metapneumovirus	10	1		2	13
Mycoplasma Pneumoniae		1		3	4
Parainfluenza 1	1				1
Parainfluenza 2	2				2
Parainfluenza 3	11	1		4	16
Parvovirus				3	3
Respiratory Syncytial Virus (RSV)	37	22	6	11	76
Rhinovirus		1		5	6
Rotavirus	3	1	4	2	10
Varicella Zoster Virus (VZV)	3	1	1	12	17
Adenovirus	14	2	5		21
Enterovirus	3		6	3	12
Measles	2	1	5		8
Mumps	2				2

This week, ESR identified 6 A H3N2 infections from Samoa.

**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	Seq	SA	NPA	10.6.2011	3 M/F	
Adenovirus	Type 2	Seq	SA	NPA	17.7.2011	2 M/F	Bronchiolitis
Adenovirus	Type 3	Neut	CA	Left Eye	29.7.2011	23 Y/F	
Adenovirus	Type 3	Neut	CA	Eye	21.7.2011	42 Y/M	Conjunctivitis
Adenovirus	Type 4	Neut	CA	Eye	16.7.2011	33 Y/F	
Adenovirus	Type 7	Neut	CA	Left Eye	09.7.2011	32 Y/M	Itchy discharge
Adenovirus	Type 8	Neut	CA	Right Eye	11.7.2011	39 Y/F	
Adenovirus	Type 8	Seq	CB	Eye	11.7.2011	1 M/F	
Adenovirus	Type 8	Seq	CB	Eye	07.7.2011	10 Y/M	
Enterovirus	Coxsackievirus Group B type 4	IF	CA	NPA	29.7.2011	2 Y/F	Pneumonia
Enterovirus	Echovirus type 33	Seq	CB	Throat, rectal	11.7.2011	21 Y/M	
Measles		PCR	CA	Swab	08.8.2011	5 Y/M	
Measles		PCR	CA	Swab	10.8.2011	1 Y/F	
Measles		IgM	WN	Serum	10.8.2011	1Y/M	Rash, fever, recent measles vaccination
Measles		PCR	WK	Nasal	09.8.2011	16 M/M	
Measles		PCR	WK	NPS	05.8.2011	3 Y/M	
Measles		PCR	WK	Nasal	08.8.2011	16 M/F	
Measles		PCR	WK	Swab	08.8.2011	15 M/F	
Mumps		IgM	CA	Serum	01.08.2011	32 Y/M	
Mumps		IgM	CA	Serum	29.07.2011	11M/M	

CA: Central Auckland

CB: Canterbury

SA: South Auckland

WK: Waikato

WN: Wellington

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

PCR Polymerase Chain Reaction (DNA)  
 NPS Nasopharyngeal Swab

NOTE: During April to September 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](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, Waikato, Christchurch Hospitals, Microbiology Laboratory of Wellington Hospital and Middlemore hospital and ESR.

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