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## VIROLOGY WEEKLY REPORT

2013/39 09 October 2013

A summary of laboratory-diagnosed viral infections of interest for the week of 23/09/2013 - 29/09/2013

### 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	2	59		69
Influenza A H1N1 swl	1		2	29	32
Influenza A H3N2	28		5	9	42
Influenza B	7	6	32	18	63
Coronavirus				5	5
Metapneumovirus	17	6		11	34
Mycoplasma pneumoniae		3		8	11
Parainfluenza 1	2	1		2	5
Parainfluenza 2	5			2	7
Parainfluenza 3	15	2		10	27
Parainfluenza 4				1	1
Parechovirus				3	3
Picornavirus	51	4			55
Respiratory Syncytial Virus (RSV)	6	4	1	6	17
Rhinovirus	1		29	24	54
Rotavirus	7	3	6	2	18
Varicella Zoster Virus (VZV)	1	2	4	6	13
Adenovirus	21	1	14	2	38
Enterovirus	8	3	1	1	13
Mumps	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	Seq	SA	Nasopharynx	19.8.2013	3 M/M	
Adenovirus	Type 1	Seq	SA	Nasopharynx	24.8.2013	9 M/M	
Adenovirus	Type 1	Seq	WK	Nasopharynx	10.8.2013	7 M/M	
Adenovirus	Type 1	Seq	CA	Unknown	31.8.2013	3 Y/F	
Adenovirus	Type 1	Seq	SA	Nasopharynx	25.7.2013	1 Y/M	
Adenovirus	Type 1	Seq	SA	Nasopharynx	14.8.2013	11M/M	
Adenovirus	Type 1	Seq	SA	Nasopharynx	26.7.2013	7 M/M	
Adenovirus	Type 2	Seq	SA	Nasopharynx	12.8.2013	2 Y/M	
Adenovirus	Type 2	Seq	CA	Nasopharynx	15.8.2013	1 Y/F	Bronchiolitis
Adenovirus	Type 2	Seq	CB	Nasopharynx	03.9.2013	1 Y/F	
Adenovirus	Type 3	Seq	CB	Eye	30.8.2013	28 Y/F	
Adenovirus	Type 3	Neut	CA	Eye, Throat, Nasal	12.9.2013	25Y/M	
Adenovirus	Type 3	Neut	CA	Left eye	17.9.2013	1Y/F	
Adenovirus	Type 3	Seq	SA	Nasopharynx	22.8.2013	11 M/F	

Virus	Type/subtype	ID Method	Health district	Specimen Type/site	Date Specimen taken	Age/sex	Clinical data
Adenovirus	Type 3	Seq	WK	Eye	26.8.2013	60 Y/M	Red eye
Adenovirus	Type 3	Neut	CA	Eye	06.9.2013	38Y/F	
Adenovirus	Type 3	Neut	CA	Left eye	07.9.2013	31Y/M	
Adenovirus	Type 3	Neut	CA	Right eye	13.9.2013	38Y/F	Red eyes
Adenovirus	Type 4	Seq	SA	Throat	24.07.2013	45 Y/M	
Adenovirus	Type 4	Neut	CA	Right eye	07.9.2013	18Y/F	
Adenovirus	Type 4	Neut	CA	Right eye	11.9.2013	60Y/F	
Adenovirus	Type 4	Seq	SA	Nasopharynx	17.8.2013	18 Y/M	
Adenovirus	Type 22	Seq	CB	Eye	17.8.2013	60 Y/M	
Adenovirus	Type 22	Seq	CB	Eye	17.8.2013	39 Y/F	
Adenovirus	Type 22	Seq	CB	Eye	18.8.2013	47 Y/M	
Adenovirus	Type 22	Seq	CB	Eye	28.8.2013	56 Y/F	
Adenovirus	Type 22	Seq	CB	Eye	22.8.2013	56 Y/M	
Enterovirus	Enterovirus type 71	IF	CA	Faeces	11.9.2013	11M/F	
Mumps		IgM	CA	Serum	14.9.2013	38Y/M	

CA: Central Auckland

CB: Canterbury

SA: South Auckland

WK: Waikato

Neut Neutralisation test

IgM IgM ELISA

IF Immunofluorescence test

Seq PCR sequencing

NOTE: During April to September 2013, 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)