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VIROLOGY WEEKLY REPORT

2011/29 28 July 2011

A summary of laboratory-diagnosed viral infections of interest for the week of 18/07/2011 - 24/07/2011

PRIMARY DIAGNOSTIC REPORTS ON VIRAL INFECTIONS REPORTED THIS WEEK

	Regions reporting Virus Identification				TOTAL
	Auckland	Waikato	Wellington	Christchurch	
Influenza A	11	1	3		15
Influenza A H1N1 swl			1		1
Influenza A H3N2	1		4	1	6
Influenza B	18	11	20	5	54
Metapneumovirus	7	2		6	15
Mycoplasma Pneumoniae	1	1		4	6
Parainfluenza 2	2			2	4
Parainfluenza 3	17	2		5	24
Parvovirus				7	7
Respiratory Syncytial Virus (RSV)	52	17	8	12	89
Rhinovirus			1	4	5
Rotavirus	1	1		3	5
Varicella Zoster Virus (VZV)	4		1	11	16
Adenovirus	14	1			15
Enterovirus	3			1	4
Measles	5				5

This week, ESR identified 7 Influenza A H3N2 infections from Tonga.

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	Neut	CA	Faeces	21.6.2011	2 W/M	
Adenovirus	Type 2	Neut	CA	Faeces	29.6.2011	7 Y/M	Diarrhoea.
Measles		PCR	CA	Swab	20.7.2011	1 Y/M	
Measles		IgM	CA	Serum	20.7.2011	14 Y/F	
Measles		IgM	CA	Serum	21.7.2011	34 Y/F	Rash
Measles		PCR	CA	Swab	15.7.2011	1 Y/F	
Measles		PCR	CA	NPS	18.7.2011	1 Y/F	Contact of confirmed measles

CA: Central Auckland

Neut Neutralisation test
NPS Nasopharyngeal Swab
Seq PCR sequencing

PCR Polymerase Chain Reaction (DNA)
IgM Positive IgM ELISA

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.

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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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