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VIROLOGY WEEKLY REPORT

2011/35 12 September 2011

A summary of laboratory-diagnosed viral infections of interest for the week of 29/08/2011 - 04/09/2011

PRIMARY DIAGNOSTIC REPORTS ON VIRAL INFECTIONS REPORTED THIS WEEK

					TOTAL
	Auckland	Waikato	Wellington	Christchurch	
Influenza A	11	4	4	1	20
Influenza A H1N1 swl	1			5	6
Influenza A H3N2	6		2	11	19
Influenza B	4	5	12	4	25
Metapneumovirus	9	5		6	20
Mycoplasma Pneumoniae		1	2	2	5
Parainfluenza 2	1				1
Parainfluenza 3	10	1		1	12
Respiratory Syncytial Virus (RSV)	28	17	8	8	61
Rhinovirus		2		6	8
Rotavirus	7	3	10	3	23
Varicella Zoster Virus (VZV)	1	11	1	10	23
Adenovirus	3		5	1	9
Enterovirus	1		9		10
Measles	4	1	1		6
Rubella	1				1

This week, ESR identified 2 Influenza A and 7 Influenza 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	CB	NPS	02.8.2011	5 M/M	
Adenovirus	Type 1	Seq	CB	NPS	13.8.2011	7 M/F	
Adenovirus	Type 2	Seq	WK	Nasal	02.8.2011	4 M/M	
Adenovirus	Type 7	Seq	CB	Nasal	04.8.2011	5 Y/M	
Adenovirus	Type 8	Seq	WK	Eye	11.7.2011	26 Y/F	
Adenovirus	Type 14	Seq	WK	Eye	03.8.2011	16 Y/F	
Enterovirus	Coxsackievirus Group A type 4	Seq	SA	NPA	25.7.2011	8 M/F	
Enterovirus	Coxsackievirus Group A type 6	Seq	SA	NPA	02.8.2011	18 M/F	
Enterovirus	Coxsackievirus Group A type 6	Seq	CB	Hand	03.8.2011	19 M/M	
Enterovirus	Echovirus type 19	Seq	SA	NPA	20.7.2011	1 M/M	
Measles		IgM, PCR	WK	Serum, NPS, urine	29.8.2011	9Y/F	
Measles		IgM	WN	Serum	31.8.2011	1Y/M	Rash, had MMR vaccination 2 weeks ago
Measles		PCR	CA	Throat	25.8.2011	1 Y/F	
Measles		PCR	CA	NPA	27.8.2011	1 Y/F	
Measles		PCR	CA	Throat	28.8.2011	5 Y/M	Rash
Measles		PCR	CA	Throat	29.8.2011	18 Y/F	Clinically measles
Rubella		PCR	CA	NPS	29.8.2011	8M/F	

CA: Central Auckland

CB: Canterbury

SA: South Auckland

WK: Waikato

WN: Wellington

PCR Polymerase Chain Reaction

NPS Nasopharyngeal Swab

Seq PCR sequencing

NPA Nasopharyngeal Aspirate

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.

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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