

VIROLOGY WEEKLY REPORT

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A Summary of Laboratory-diagnosed viral infections of interest for the week of 14/03/2016 - 20/03/2016

PRIMARY DIAGNOSIS REPORTS ON VIRAL INFECTIONS REPORTED THIS WEEK

	Laboratories reporting virus identification							
	LabPlus	Middlemore	Waikato	ESR	Wellington	Christchurch	Dunedin	TOTAL
Influenza A	4							4
Influenza A H1N1 pdm09				1		2		3
Influenza A H3N2		1						1
Influenza B	1	1						2
Bocavirus						1		1
Metapneumovirus	1	1						1
Parainfluenza 1		2						2
Picornavirus		31					3	34
Respiratory Syncytial Virus (RSV)	1	2	1					4
Rhinovirus	19				1	12		32
Rotavirus	1							1
Varicella Zoster Virus (VZV)	26	2	5		5	8	2	48
Adenovirus	4	1	1	1		2		9
Enterovirus	5	4	3	12	3			27
Mumps						1		1

TYPING AND IDENTIFICATIONS FOR VIRUSES WITH PUBLIC HEALTH IMPORTANCE (ESR and others)

Virus	Type / Subtype	ID Method	DHB	Specimen Type/ Site	Date Specimen Taken	Age / Sex	Clinical Data
Enterovirus	Coxsackievirus Group B type 3	Seq	Canterbury	Faeces	16/02/2016	3M/F	Meningitis
Enterovirus	Echovirus type 6	Seq	Counties Manukau	Peritoneum fluid	17/02/2016	26Y/F	
Enterovirus	Echovirus type 18	Seq	Counties Manukau	CSF	15/02/2016	1M/F	
Enterovirus	Echovirus type 18	Seq	Counties Manukau	CSF	03/03/2016	28D/M	
Enterovirus	Echovirus type 30	Seq	Waikato	CSF	18/02/2016	11Y/M	
Mumps		IgM	Hawke's bay	Serum	13/03/2016	48Y/M	

IgM
Seq

IgM ELISA
PCR sequencing

CSF Cerebrospinal fluid

During January to March 2016, 11 Echovirus type 18 (Echo18) have been reported compared to none in 2015. Of the 11 Echo18 reported, 8 (73%) were children < 1 year, 1 (9 %) > 5 years old and 2 (18 %) over 40 years old. Most of the cases were diagnosed with aseptic meningitis. Majority of these cases (9, 83%) were referred from South Auckland.

Worldwide, this pathogen has been associated with a few outbreaks of aseptic meningitis. This virus was also implicated on some cases of acute transverse myelitis. Symptoms also include acute febrile illness with or without exanthem, gastroenteritis, acute tonsillitis and pharyngitis, gastritis, herpangina and bronchopneumonia.

Data provided by Virology Laboratories of Auckland LabPlus, Waikato and Christchurch Hospital, Microbiology Laboratory of Wellington, Middlemore, and Dunedin Hospital and ESR

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