

**VIROLOGY WEEKLY REPORT**

2010/19 20 May 2010

A summary of laboratory-diagnosed viral infections of interest for the week of 10/05/2010 - 16/05/2010

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

	Virus Laboratory					TOTAL
	Auckland	Waikato	ESR	Wellington	Christchurch	
Influenza A H1N1 swl	2					2
Mycoplasma Pneumoniae					4	4
Parainfluenza 1	1					1
Respiratory Syncytial Virus (RSV)	1				1	2
Rotavirus		1			3	4
Varicella Zoster Virus (VZV)		5		1	5	11
Adenovirus	6	5	4			15
Enterovirus	1		1			2
Measles	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 3	Seq	CB	Eye	13.4.2010	8 M/M	
Adenovirus	Type 8	Seq	CB	Eye	29.3.2010	55 Y/F	
Adenovirus	Type 19	Seq	CB	Eye	31.12.2009	72 Y/M	
Adenovirus	Type 37	Seq	CB	Eye	04.3.2010	48 Y/M	
Enterovirus	Coxsackievirus Group B type 1	Seq	WN	CSF, throat	12/04/2010	24D/M	Meningitis
Enterovirus	Coxsackievirus Group B type 4	Seq	WN	Heart tissue	14/04/2010	10D/-	Meningitis, sepsis
Enterovirus	Coxsackievirus Group B type 5	Neut	CA	NPA	06.5.2010	7M/F	NPA ?Bronchiolitis
Enterovirus	Coxsackievirus Group A type 21	Seq, Neut	CA	NPA	30/03/2010	14Y/M	
Enterovirus	Type 68*	Seq	WK	Nasal	17/03/2010	5M/M	
Measles		Serology	CA	Serum	06.5.2010	2Y/F	

CA: Central Auckland

CB: Canterbury

WN: Wellington

WK: Waikato

Neut Neutralisation test  
CSF Cerebrospinal FluidSeq PCR Sequencing  
NPA Nasopharyngeal Aspirate

\*: This is the first time that an Enterovirus (EV) type 68 had been identified in NZ. This virus was isolated from a nasal swab collected from a 5 month old baby admitted with symptoms of bronchiolitis in Waikato Hospital. The baby had no travel history. Sequencing result revealed 83.42 % homology to the reference Enterovirus type 68.

EV 68 is associated with respiratory illness more common on young children and shares biological and molecular properties with both the enteroviruses and rhinoviruses. EV68 was originally isolated in California in 1962 from four children with respiratory illness. Since that time, reports of EV68 isolation have been very uncommon.

NOTE: During April to September 2010, 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 ESR.

Edited by: Wendy Gunn and Judy Bocacao, Virology, Communicable Disease Group