

VIROLOGY WEEKLY REPORT

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A Summary of Laboratory-diagnosed viral infections of interest for the week of 11/09/2017 - 17/09/2017

PRIMARY DIAGNOSIS REPORTS ON VIRAL INFECTIONS REPORTED THIS WEEK

	Laboratories reporting virus identification								
	LabPlus	Middlemore	Waikato	Pathlab	ESR	Wellington	Christchurch	Dunedin	TOTAL
Influenza A	3		2	3	9	1	21		39
Influenza A H1N1 pdm09	1	5			2		14		22
Influenza A H3N2	3	7			8		1	2	21
Influenza B	3	13	3	3	20	5	8	2	57
Astrovirus							3		3
Bocavirus							5		5
Metapneumovirus (HMPV)	11	16	4		8		7	2	48
Mycoplasma pneumoniae			3						3
Norovirus					20		13		33
Parainfluenza 1		1							1
Parainfluenza 2	1								1
Parainfluenza 3	6	13	1		9		18	4	51
Parainfluenza 4							1		1
Parechovirus							1		1
Picornavirus		73						6	79
Respiratory Syncytial Virus (RSV)	12	39	1	7	15	9	11	4	98
Rhinovirus	17				28	2	26		73
Rotavirus	3								3
Sapovirus					1		2		3
Varicella Zoster Virus (VZV)	27		2			6	4	9	48
Adenovirus	14	4	2		6		6	4	36
Enterovirus	7	5	6		7		5	1	31
Mumps	40		2				6		48

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
Adenovirus	Type 1	Seq	Southern	Eye	02/09/2017	28/M	Conjunctivitis
Adenovirus	Type 2	Seq	Bay of Plenty	NPA	25/08/2017	11/F	
Adenovirus	Type 4	Seq	Bay of Plenty	NPA	30/08/2017	9M/M	
Adenovirus	Type 4	Seq	Canterbury	NPS	05/09/2017	21/M	
Adenovirus	Type 4	Seq	Southern	Throat	07/09/2017	7 Y/F	
Adenovirus	Type 4	Seq	Southern	Eye	01/09/2017	49/F	
Adenovirus	Type 4	Seq	Southern	Eye	31/08/2017	20/F	Conjunctivitis
Adenovirus	Type 4	Seq	West Coast	NPS	01/09/2017	19/F	
Enterovirus	Coxsackievirus Group A type 16	Seq	Nelson Marlborough	Mouth	18/08/2017	2/M	
Enterovirus	Coxsackievirus Group A type 16	Seq	Southern	Lip	28/08/2017	2 Y/M	
Enterovirus	Echovirus type 25	Seq	Counties Manukau	NPA	8/08/2017	1/F	
Enterovirus	Enterovirus type 68	Seq	Canterbury	Nose	23/08/2017	26/F	
Mumps		PCR	Auckland	Buccal swab	08/09/2017	25/F	
Mumps		PCR	Auckland	Buccal swab	11/09/2017	21/M	
Mumps		PCR	Auckland	Buccal swab	12/09/2017	24/F	
Mumps		PCR	Auckland	Buccal swab	12/09/2017	27/F	
Mumps		PCR	Auckland	Buccal swab	13/09/2017	17/F	Parotid swelling
Mumps		PCR	Auckland	Buccal swab	14/09/2017	16/F	
Mumps		PCR	Auckland	Buccal swab	14/09/2017	58/F	
Mumps		PCR	Auckland	Buccal swab	14/09/2017	9/F	
Mumps		PCR	Auckland	Nasal swab	11/09/2017	25/M	
Mumps		PCR	Auckland	Swab	08/09/2017	26/M	Fever, Parotid swelling
Mumps		PCR	Auckland	Swab	11/09/2017	18/F	
Mumps		PCR	Auckland	Throat	15/09/2017	33/M	Fever, Parotid swelling
Mumps		IgM	Auckland	Serum	12/09/2017	47/M	
Mumps		PCR	Canterbury	Not stated	11/09/2017	59/M	
Mumps		PCR	Counties Manukau	Buccal swab	08/09/2017	11/F	
Mumps		PCR	Counties Manukau	Buccal swab	08/09/2017	11/M	Parotid swelling
Mumps		PCR	Counties Manukau	Buccal swab	08/09/2017	20/F	
Mumps		PCR	Counties Manukau	Buccal swab	08/09/2017	3/F	Mumps contact
Mumps		PCR	Counties Manukau	Buccal swab	11/09/2017	15/M	Parotid swelling
Mumps		PCR	Counties Manukau	Buccal swab	11/09/2017	38/M	
Mumps		PCR	Counties Manukau	Buccal swab	12/09/2017	15/M	Parotid swelling
Mumps		PCR	Counties Manukau	Buccal swab	12/09/2017	27/M	
Mumps		PCR	Counties Manukau	Buccal swab	12/09/2017	8/M	Parotid swelling
Mumps		PCR	Counties Manukau	Buccal swab	13/09/2017	17/F	
Mumps		PCR	Counties Manukau	Buccal swab	13/09/2017	7/M	Swollen R neck
Mumps		PCR	Counties Manukau	Buccal swab	14/09/2017	11/F	Mumps contact

Mumps		PCR	Counties Manukau	Swab	10/09/2017	17/F	
Mumps		PCR	Counties Manukau	Swab	13/09/2017	16/F	
Mumps		PCR	Counties Manukau	Swab	14/09/2017	17/F	Parotid swelling
Mumps		IgM	Hawke's Bay	Serum	08/09/2017	12/F	
Mumps		IgM, PCR	Nelson Marlborough	Serum, throat swab	12/09/2017	23/F	
Mumps		PCR	Southern	Not stated	08/09/2017	19/M	
Mumps		PCR	Southern	Buccal swab	08/09/2017	21/M	
Mumps		PCR	Southern	Swab	11/09/2017	30/M	
Mumps		IGM	Waikato	Serum	09/09/2017	13Y/F	
Mumps		IGM	Waikato	Serum	12/09/2017	17Y/M	Parotitis
Mumps		PCR	Waikato	Mouth	07/09/2017	19/M	
Mumps		PCR	Waikato	Mouth	08/09/2017	11/F	
Mumps		PCR	Waikato	Swab	09/09/2017	19/M	
Mumps		PCR	Waitemata	Buccal swab	09/09/2017	18/M	
Mumps		PCR	Waitemata	Buccal swab	09/09/2017	27/M	Fever, Parotid swelling
Mumps		PCR	Waitemata	Buccal swab	10/09/2017	17/M	
Mumps		PCR	Waitemata	Buccal swab	12/09/2017	21/M	
Mumps		PCR	Waitemata	Buccal swab	13/09/2017	19/F	
Mumps		PCR	Waitemata	Swab	08/09/2017	19/F	
Mumps		PCR	Waitemata	Swab	09/09/2017	26/M	Parotid swelling,
Mumps		PCR	Waitemata	Swab	12/09/2017	28/M	
Mumps		IgM	Waitemata	Serum	07/09/2017	28/M	

NPA Nasopharyngeal Aspirate
 IgM IgM ELISA
 Seq PCR sequencing

NPS Nasopharyngeal Swab
 PCR Polymerase Chain Reaction

NOTE: During April to September 2017, 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 LabPlus, Waikato and Christchurch Hospital, Microbiology Laboratory of Wellington, Middlemore, Tauranga and Dunedin Hospital and ESR's Clinical Virology and Enteric Viruses Laboratory.

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