

# VIROLOGY WEEKLY REPORT

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A Summary of Laboratory-diagnosed viral infections of interest for the week of 04/09/2017 - 10/09/2017

## PRIMARY DIAGNOSIS REPORTS ON VIRAL INFECTIONS REPORTED THIS WEEK

	Laboratories reporting virus identification							
	LabPlus	Middlemore	Waikato	ESR	Wellington	Christchurch	Dunedin	TOTAL
Influenza A	3		3	3	11	15		35
Influenza A H1N1 pdm09		1				19		20
Influenza A H3N2		1		22		3	4	30
Influenza B		5	3	12	4	20		44
Astrovirus						3		3
Bocavirus						1		1
Metapneumovirus (HMPV)	6	10	2	15		6	1	40
Mycoplasma pneumoniae			1			1		2
Norovirus				17		19		36
Parainfluenza 1				1		3		4
Parainfluenza 2				3		1		4
Parainfluenza 3	6	23	1	9		13	2	54
Parainfluenza 4						4		4
Parechovirus						1		1
Parvovirus						2		2
Picornavirus		39					5	44
Respiratory Syncytial Virus (RSV)	7	19	5	34	5	23	3	96
Rhinovirus	25			31	1	28		85
Rotavirus	3					1		4
Sapovirus						4		4
Varicella Zoster Virus (VZV)	29		7		11	11	3	61
Adenovirus	7	6		8		14	3	38
Enterovirus	4	7	3	9	1	5	3	32
Mumps	39		1			1		41

**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 2	Seq	Canterbury	NPA	22/08/2017	10/M	
Adenovirus	Type 3	Seq	Southern	Eye Swab	16/08/2017	36/F	
Adenovirus	Type 4	PCR	Southern	Swab	23/08/2017	20 Y/M	
Adenovirus	Type 4	Seq	Southern	Mouth Swab	14/08/2017	18/F	Sore throat, tonsillitis
Adenovirus	Type 4	Seq	Southern	NPS	15/08/2017	18/M	Aches & pains, headache, sore Throat
Adenovirus	Type 4	Seq	Southern	NPS	09/08/2017	20/F	URTI
Mumps		PCR	Auckland	Buccal swab	01/09/2017	22/F	
Mumps		PCR	Auckland	Buccal swab	01/09/2017	25/F	
Mumps		PCR	Auckland	Buccal swab	06/09/2017	19/F	Mandibular swelling
Mumps		PCR	Auckland	Buccal swab	06/09/2017	20/M	Bilateral Parotitis
Mumps		PCR	Auckland	Buccal swab	06/09/2017	7/M	
Mumps		PCR	Auckland	Buccal swab	07/09/2017	6M/F	Face swelling
Mumps		PCR	Auckland	Buccal swab	07/09/2017	18/M	
Mumps		PCR	Auckland	Buccal swab	07/09/2017	26/F	Left parotid swelling
Mumps		PCR	Auckland	Swab	05/09/2017	20/F	Left painful swelling
Mumps		PCR	Auckland	Swab	05/09/2017	21/F	Parotitis
Mumps		PCR	Auckland	Swab	06/09/2017	17/M	Facial swelling, Outbreak in school
Mumps		PCR	Auckland	Swab	07/09/2017	18/F	
Mumps		PCR, IgM	Auckland	Buccal swab, serum	06/09/2017	11/F	Parotitis
Mumps		Serology	Auckland	Serum	31/08/2017	16/F	Bilateral parotid enlargement
Mumps		Serology	Auckland	Serum	04/09/2017	10/F	Mumps contact
Mumps		PCR	Counties Manukau	Buccal swab	02/09/2017	18/M	
Mumps		PCR	Counties Manukau	Buccal swab	04/09/2017	18/M	Parotid swelling
Mumps		PCR	Counties Manukau	Buccal swab	04/09/2017	23/F	Left side lump
Mumps		PCR	Counties Manukau	Buccal swab	05/09/2017	18/M	Left parotid swelling
Mumps		PCR	Counties Manukau	Buccal swab	05/09/2017	19/F	Parotid gland swelling
Mumps		PCR	Counties Manukau	Buccal swab	05/09/2017	35/M	Parotitis
Mumps		PCR	Counties Manukau	CSF	01/09/2017	18/M	

Mumps		PCR	Counties Manukau	Saliva	06/09/2017	23/F	
Mumps		PCR	Counties Manukau	SW	04/09/2017	19/F	Left parotitis
Mumps		PCR	Counties Manukau	SW	04/09/2017	20/F	Mumps contact
Mumps		PCR	Counties Manukau	SW	06/09/2017	21/M	
Mumps		PCR	Counties Manukau	Throat	01/09/2017	23/M	Parotid swelling
Mumps		PCR	Counties Manukau	Throat	04/09/2017	20/M	Fever, lump parotid
Mumps		IgM	Counties Manukau	Serum	02/09/2017	16/M	Parotid swelling,
Mumps		IgM	Counties Manukau	Serum	06/09/2017	1 / F	Swollen L jaw
Mumps		PCR	MidCentral	Buccal swab	06/09/2017	25/F	
Mumps		IGM	Waikato	Serum	02/09/2017	55/M	
Mumps		PCR	Waitemata	Buccal swab	01/09/2017	18/M	Parotid swelling, mumps contact
Mumps		PCR	Waitemata	Buccal swab	05/09/2017	17/M	
Mumps		PCR	Waitemata	Buccal swab	05/09/2017	29/M	Parotitis, fever
Mumps		PCR	Waitemata	Buccal swab	07/09/2017	21/F	Unilateral neck swelling
Mumps		PCR	Waitemata	Swab	01/09/2017	19/F	Parotid Swelling
Mumps		PCR	Waitemata	Swab	02/09/2017	18/M	Facial swelling
Mumps		PCR	Waitemata	Swab	05/09/2017	7/M	Unilateral parotid swelling, school outbreak
Mumps		PCR	Waitemata	Swab	06/09/2017	18/M	Fever, unilateral parotid swelling
Mumps		PCR	Waitemata	Throat	07/09/2017	15/M	Mumps contact

NPA Nasopharyngeal Aspirate  
 IgM IgM ELISA  
 Seq PCR sequencing

NPS Nasopharyngeal Swab  
 CSF Cerebrospinal Fluid  
 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](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 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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