

Respiratory Virus Statistics FY 17-18

Respiratory Virus Panel (BioFire)

Virus	DEC				JAN				FEB				MAR				APR				MAY				Total							
	ECH	GH	GSH	YH*	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH
Adenovirus	1		2	19	3		1	16	1			6	1			9											6	3	50	42		
Bordetella pertussis																														1	1	
Bordetella parapertussis								1																								
Chlamyophila pneumo																																
Coronavirus 229E								1				2				1													4	3		
Coronavirus HKU1				19	2	2	2	43	4	4	8	21			3											6	9	10	93	118		
Coronavirus NL63			3	32		1	1	21	2			5			1											2	2	4	59	67		
Coronavirus OC43	1		1	11	1	1	1	22		2	2	17			1	2	8									2	4	6	58	70		
Influenza A		1		3		1		14			1	9					3										2	1	29	32		
H1 Seasonal																																
H3 Seasonal		1		60	4	9	5	224	5	6	3	77	2	2	1	14										11	18	9	375	413		
H1N1 (2009)			1	9		4	1	49	4	1	1	32			2	2	17									4	7	5	107	123		
Influenza B				5	1			12	2	1	10	36	3	4	4	66										6	1	10	119	136		
Metapneumovirus	2			22	2	4	7	38	5	10	6	21	2	12	10	37										11	26	23	118	178		
Mycoplasma pneumo				1				2				3				1														7	7	
Parainfluenza 1			2	12	1	1		8		1						1										1	2	2	21	26		
Parainfluenza 2							1	1																					1	1		
Parainfluenza 3				1				2			1				1		2											1	5	6		
Parainfluenza 4				7	1	1		3				2			1											1	2		12	15		
Rhinovirus / Enterovirus	3	3	6	71		4	5	39	4	9	4	40	4	7	11	74										11	23	26	224	284		
RSV	6	5	3	105	1	3	9	129	1	2	3	46	2	2	1	21										10	12	16	301	339		
Total Positive	13	5	18	377	16	31	33	625	28	36	39	317	14	36	31	265										71	108	121	1584	1884		
Total Negative	22	9	47	685	52	88	89	1208	94	110	143	785	68	100	120	627											236	307	399	3305	4247	
Total Tested	35	14	65	1062	68	119	122	1833	122	146	182	1102	82	136	151	892											307	415	520	4889	6131	

* 8% of the YH patients testing positive were infected with 2 or more respiratory viruses (see TABLE below)

Influenza A/B and RSV (Cepheid)

Virus	DEC				JAN				FEB				MAR				APR				MAY				Total														
	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH	Total						
Influenza A	29	42	38	51	91	139	180	220	77	62	164	74	21	17	51	22																	218	260	433	367	1278		
Influenza B	6	5	3	5	43	18	40	14	65	24	209	25	44	19	135	43																		158	66	387	87	698	
RSV	48	46	104	56	87	65	109	58	32	28	49	14	25	10	9	6																		192	149	271	134	746	
Total Positive	83	93	145	112	221	222	329	292	174	114	422	113	90	46	195	71																		568	475	1091	588	2722	
Total Negative	304	220	503	225	460	433	806	476	369	284	837	235	272	200	570	148																			1405	1137	2716	1084	6342
Total Tested	387	313	648	337	681	655	1135	768	543	398	1259	348	362	246	765	219																			1973	1612	3807	1672	9064

Total Influenza A/B and RSV

Virus	DEC				JAN				FEB				MAR				APR				MAY				Total															
	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH	ECH	GH	GSH	YH	Total							
Influenza A	29	44	39	123	95	153	186	507	88	70	169	202	23	21	54	56																			235	288	448	888	1859	
Influenza B	6	5	3	10	44	18	40	26	67	25	219	61	47	23	139	109																				164	71	401	206	842
RSV	54	46	107	161	88	68	118	187	33	30	52	60	27	12	10	27																			202	156	287	435	1080	
Total Positive	89	95	149	294	227	239	344	720	188	125	440	323	97	56	203	192																				601	515	1136	1529	3781
Total Negative	326	229	550	910	512	521	895	1684	463	394	980	1020	340	300	690	775																				1641	1444	3115	4389	10589
Total Tested	415	324	699	1204	739	760	1239	2404	651	519	1420	1343	437	356	893	967																				2242	1959	4251	5918	14370

Patients With Co-Infections - December 1, 2017 to March 31, 2018

Etiology	Number			
	YH	GH	GSH	ECH
Influenza A (H3) + Influenza A (2009 H1N1)	1			
Influenza A + Influenza B	1		1	
Influenza A + Adenovirus	3			1
Influenza A + Adenovirus + Enterovirus/Rhinovirus	1			
Influenza A + Enterovirus/Rhinovirus	6			
Influenza A + Coronavirus	14	1		
Influenza A + Coronavirus + Enterovirus/Rhinovirus	1			
Influenza A + Coronavirus + Enterovirus/Rhinovirus + RSV	1			
Influenza A + Metapneumovirus	3			
Influenza A + Parainfluenza	1			
Influenza A + RSV	13	1	2	6
Influenza B + RSV	1	1	3	1
Influenza B + Enterovirus/Rhinovirus	2			
Influenza B + Enterovirus/Rhinovirus + RSV	1			
Influenza B + Coronavirus	1			
Influenza B + Metapneumovirus	1			
Adenovirus + RSV	7			
Adenovirus + Coronavirus	1			1
Adenovirus + Coronavirus + Enterovirus/Rhinovirus	1			
Adenovirus + Coronavirus + RSV	2			
Adenovirus + Enterovirus/Rhinovirus	10			
Adenovirus + Enterovirus/Rhinovirus + Metapneumovirus	1			
Adenovirus + Enterovirus/Rhinovirus + RSV	3			
Adenovirus + Enterovirus/Rhinovirus + Parainfluenza Virus + RSV	1			
Adenovirus + Mycoplasma pneumoniae	1			
Coronavirus + Enterovirus/Rhinovirus	8	1	1	
Coronavirus + Enterovirus/Rhinovirus + RSV	1			
Coronavirus + Enterovirus/Rhinovirus + Parainfluenza Virus	1			
Coronavirus + Enterovirus/Rhinovirus + Parainfluenza Virus + RSV	1			
Coronavirus + Influenza B	3	1		
Coronavirus + Influenza B + RSV	1			
Coronavirus + Metapneumovirus	4	1	2	
Coronavirus + Mycoplasma pneumoniae + RSV	1			
Coronavirus + Parainfluenza Virus	3			
Coronavirus + RSV	20	1	1	
Enterovirus/Rhinovirus + Mycoplasma pneumoniae	1			
Enterovirus/Rhinovirus + Parainfluenza Virus	1			
Enterovirus/Rhinovirus + RSV	17			
Metapneumovirus + Coronavirus	1			
Metapneumovirus + Enterovirus/Rhinovirus	2			
Metapneumovirus + Mycoplasma pneumoniae	1			
Metapneumovirus + RSV	1			1
Parainfluenza + RSV	1			
TOTAL	146	7	10	10