

Respiratory Virus Statistics FY 18-19

Respiratory Virus Panel (BioFire)

Virus	OCT				NOV				DEC				JAN				FEB				MAR				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	4	0	3	0	4	0	8	0	6	2	13	3	3	2	28	2	3	1	16	3	2	4	18	9	22	9	86	126			
Bordetella pertussis	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0			
Bordetella parapertussis	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2			
Chlamyophila pneumo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Coronavirus 229E	0	0	0	0	0	0	2	0	2	0	6	2	1	2	4	7	7	6	8	17	7	9	9	30	17	17	29	56	119			
Coronavirus HKU1	0	0	0	0	0	0	0	0	0	0	0	4	0	2	8	1	0	3	14	2	0	4	6	7	0	9	28	44				
Coronavirus NL63	0	0	0	1	0	0	0	0	0	0	1	4	1	8	3	20	1	5	2	22	5	4	1	22	7	17	7	69	100			
Coronavirus OC43	0	0	0	0	0	1	4	1	2	9	11	25	12	11	30	72	9	10	18	54	4	9	11	25	27	40	74	177	318			
Influenza A	0	0	0	0	0	0	0	0	0	0	2	0	1	0	3	2	3	1	2	13	7	4	3	5	11	5	10	20	46			
H1 Seasonal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
H3 Seasonal	0	0	0	2	0	0	0	0	0	5	1	3	1	1	12	5	7	2	15	25	37	18	25	68	45	26	53	103	227			
H1N1 (2009)	0	0	0	0	0	0	8	1	10	7	24	16	23	21	23	66	18	25	25	153	18	23	13	96	69	76	93	332	570			
Influenza B	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	2	0	5	1	0	1	13	3	3	1	19	26			
Metapneumovirus	1	0	0	1	0	2	0	1	0	2	3	12	6	4	2	28	4	6	11	40	9	13	11	38	20	27	27	120	194			
Mycoplasma pneumo	1	1	1	7	2	2	0	3	3	0	3	8	1	2	0	1	0	3	0	2	1	2	1	0	8	10	5	21	44			
Parainfluenza 1	0	0	0	0	0	0	2	0	0	1	2	2	0	0	0	2	1	0	0	0	1	0	2	2	2	1	6	6	15			
Parainfluenza 2	0	1	0	19	3	8	1	8	2	1	4	10	2	0	0	2	0	0	2	1	0	1	0	1	7	11	7	41	66			
Parainfluenza 3	1	2	3	3	0	0	0	1	0	0	1	4	0	2	0	2	0	0	2	0	2	6	6	2	15	7	10	6	27	50		
Parainfluenza 4	0	2	0	7	4	1	4	9	2	4	5	8	1	0	2	4	0	0	1	1	0	0	0	1	7	7	12	30	56			
Rhinovirus / Enterovirus	19	29	38	116	25	21	38	94	17	22	48	88	17	22	29	82	10	10	20	58	26	29	11	64	114	133	184	502	933			
RSV	0	0	0	2	0	2	2	15	11	20	26	79	29	20	34	136	24	17	16	66	8	8	10	40	72	67	88	338	565			
Total Positive	23	40	42	161	34	41	61	142	49	77	139	275	103	96	146	466	88	90	124	489	136	128	108	445	433	472	620	1978	3503			
Total Negative	66	136	167	589	84	132	208	583	143	192	344	696	205	226	415	979	200	196	295	1006	273	255	318	1014	971	1137	1747	4867	8722			
Total Tested	89	176	209	750	118	173	269	725	192	269	483	971	308	322	561	1445	288	286	419	1495	409	383	426	1459	1404	1609	2367	6845	12225			

Influenza A/B and RSV (Cepheid)

Virus	OCT				NOV				DEC				JAN				FEB				MAR				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
Influenza A	0	0	0	0	4	0	22	2	38	7	58	4	56	24	123	23	72	52	212	57	79	35	142	39	249	118	557	125	1049			
Influenza B	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	2	0	2	1	21	3	1	23	5	32	32			
RSV	1	2	1	2	2	3	11	2	21	15	64	13	48	26	78	11	41	13	25	8	10	4	25	4	123	63	204	40	430			
Total Positive	1	2	1	2	6	3	33	5	59	22	122	17	105	50	201	35	113	65	239	65	91	40	188	46	375	182	784	170	1511			
Total Negative	84	56	165	55	102	37	203	58	201	39	351	60	211	132	517	86	237	125	520	126	250	115	471	121	1085	504	2227	506	4322			
Total Tested	85	58	166	57	108	40	236	63	260	61	473	77	316	182	718	121	350	190	759	191	341	155	659	167	1460	686	3011	676	5833			

Total Influenza A/B and RSV

Virus	OCT				NOV				DEC				JAN				FEB				MAR				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
Influenza A	0	0	0	2	4	0	30	3	48	19	85	23	81	46	161	96	100	80	254	248	141	80	183	208	374	225	713	580	1892			
Influenza B	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	2	2	5	3	1	22	16	6	3	24	23	56			
RSV	1	2	1	4	2	5	13	17	32	35	90	92	77	46	112	147	65	30	41	74	18	12	35	44	195	130	292	378	995			
Total Positive	1	2	1	6	6	5	43	20	80	54	175	115	160	92	273	245	166	112	297	327	162	93	240	268	575	358	1029	981	2943			
Total Negative	150	192	332	644	186	169	411	641	344	231	695	756	416	358	932	1065	437	321	815	1132	523	370	789	1135	2056	1641	3974	5373	13044			
Total Tested	151	194	333	650	192	174	454	661	424	285	870	871	576	450	1205	1310	603	433	1112	1459	685	463	1029	1403	2631	1999	5003	6354	15987			

Patients With Co-Infections - October 1, 2018 to March 31, 2019

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Etiology	Number			
	YH	GH	GSH	ECH
Influenza A (H3) + Influenza A (2009 H1N1)				
Influenza A + Influenza B	1		1	
Influenza A + Influenza B + RSV	1			
Influenza A + Adenovirus	3	1	1	1
Influenza A + Adenovirus + Enterovirus/Rhinovirus			1	
Influenza A + Enterovirus/Rhinovirus	12	4	4	3
Influenza A + Enterovirus/Rhinovirus + Parainfluenza	1			
Influenza A + Coronavirus	24	5	8	2
Influenza A + Coronavirus + Bordetella pertussis	1			
Influenza A + Coronavirus + Enterovirus/Rhinovirus				
Influenza A + Coronavirus + Enterovirus/Rhinovirus + RSV				
Influenza A + Metapneumovirus	1			1
Influenza A + Mycoplasma pneumoniae			1	
Influenza A + Parainfluenza	4	1	1	
Influenza A + RSV	6		2	6
Influenza A + Bordetella parapertussis				1
Influenza B + RSV				
Influenza B + Enterovirus/Rhinovirus			1	
Influenza B + Enterovirus/Rhinovirus + RSV				
Influenza B + Coronavirus	1			
Influenza B + Metapneumovirus				
Adenovirus + RSV	7	3	1	1
Adenovirus + Coronavirus	9	1		
Adenovirus + Coronavirus + Enterovirus/Rhinovirus + Parainfluenza	1			
Adenovirus + Coronavirus + Metapneumovirus	1			
Adenovirus + Coronavirus + Enterovirus/Rhinovirus	1			
Adenovirus + Coronavirus + RSV				
Adenovirus + Coronavirus + Entero/Rhino + Mycoplasma pneumoniae	1			
Adenovirus + Enterovirus/Rhinovirus	17	2	2	1
Adenovirus + Enterovirus/Rhinovirus + Metapneumovirus				
Adenovirus + Enterovirus/Rhinovirus + Parainfluenza Virus	1			
Adenovirus + Enterovirus/Rhinovirus + RSV	2	1	1	
Adenovirus + Enterovirus/Rhinovirus + Parainfluenza Virus + RSV				
Adenovirus + Mycoplasma pneumoniae				
Adenovirus + Metapneumovirus + Mycoplasma pneumoniae		1		
Adenovirus + Parainfluenza Virus	1			
Coronavirus + Enterovirus/Rhinovirus	3	5	8	1
Coronavirus + Enterovirus/Rhinovirus + RSV	3			
Coronavirus + Enterovirus/Rhinovirus + Parainfluenza Virus				
Coronavirus + Enterovirus/Rhinovirus + Parainfluenza Virus + RSV				
Coronavirus + Influenza B				
Coronavirus + Influenza B + RSV				
Coronavirus + Mycoplasma pneumoniae	1			
Coronavirus + Metapneumovirus	6		1	
Coronavirus + Metapneumovirus + RSV	1			
Coronavirus + Mycoplasma pneumoniae + RSV				
Coronavirus + Parainfluenza Virus	1		1	2
Coronavirus + RSV	17	3	5	1
Enterovirus/Rhinovirus + Bordetella parapertussis	1			
Enterovirus/Rhinovirus + Metapneumovirus + RSV	1			
Enterovirus/Rhinovirus + Mycoplasma pneumoniae	4	1	1	3
Enterovirus/Rhinovirus + Parainfluenza Virus	7	2	2	2
Enterovirus/Rhinovirus + RSV	30	4	2	8
Metapneumovirus + Coronavirus				

Metapneumovirus + Enterovirus/Rhinovirus	2	3		
Metapneumovirus + Mycoplasma pneumoniae				
Metapneumovirus + RSV	4	1		
Parainfluenza Type 1 and 4			1	
Parainfluenza + Enterovirus/Rhinovirus + RSV			1	
Parainfluenza + RSV	3			
TOTAL	180	38	46	33