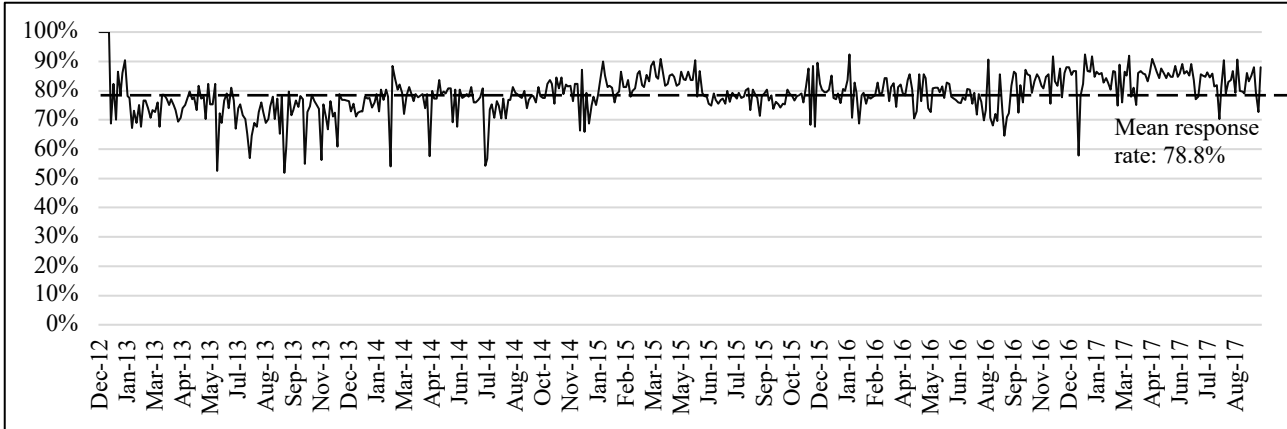
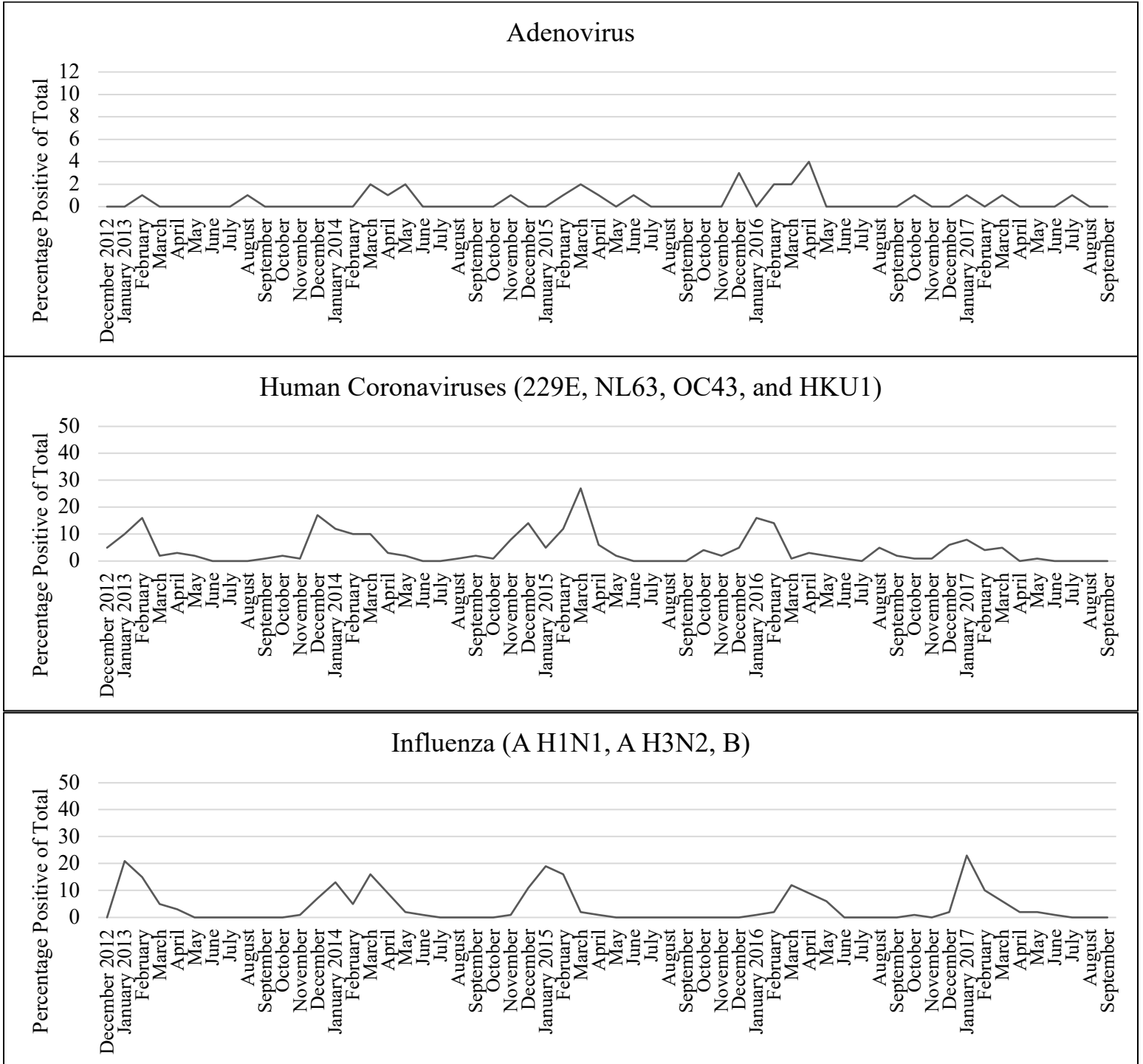


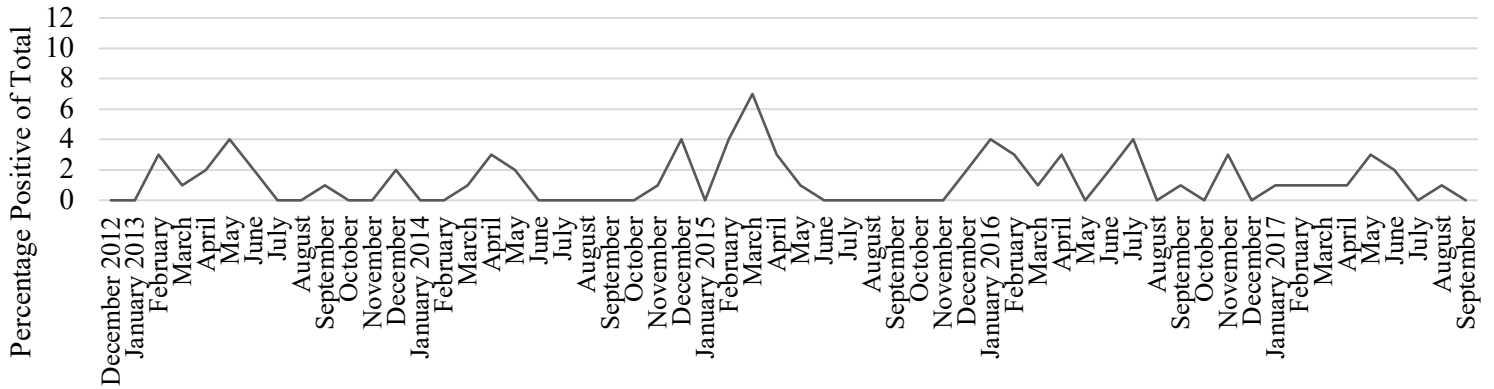
**Supplemental Figure 1: Text Message Response Rates**



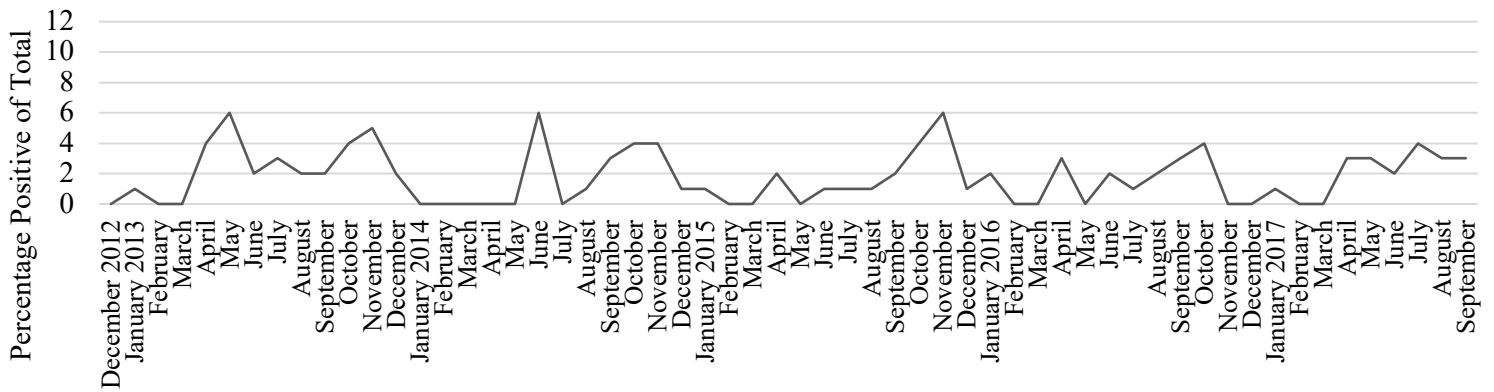
**Supplemental Figure 2: Seasonal Variation in Respiratory Pathogens**



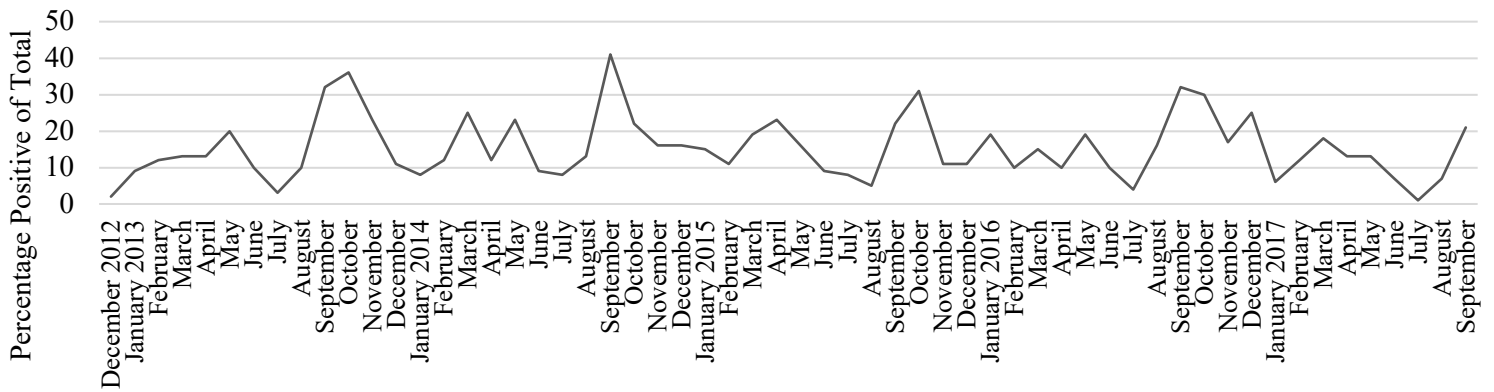
### Human Metapneumovirus



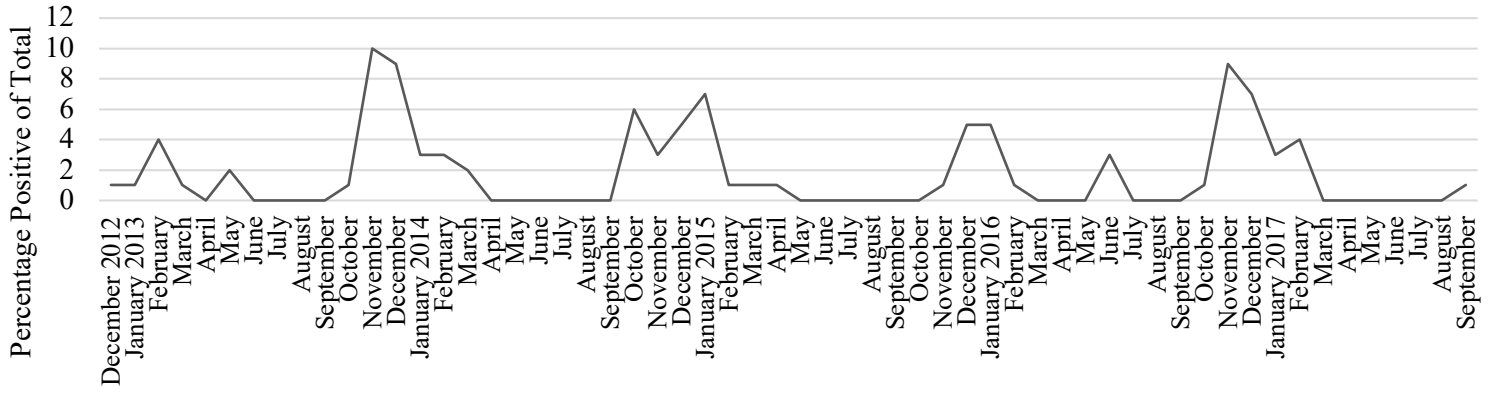
### Parainfluenza Viruses (Types 1-4)



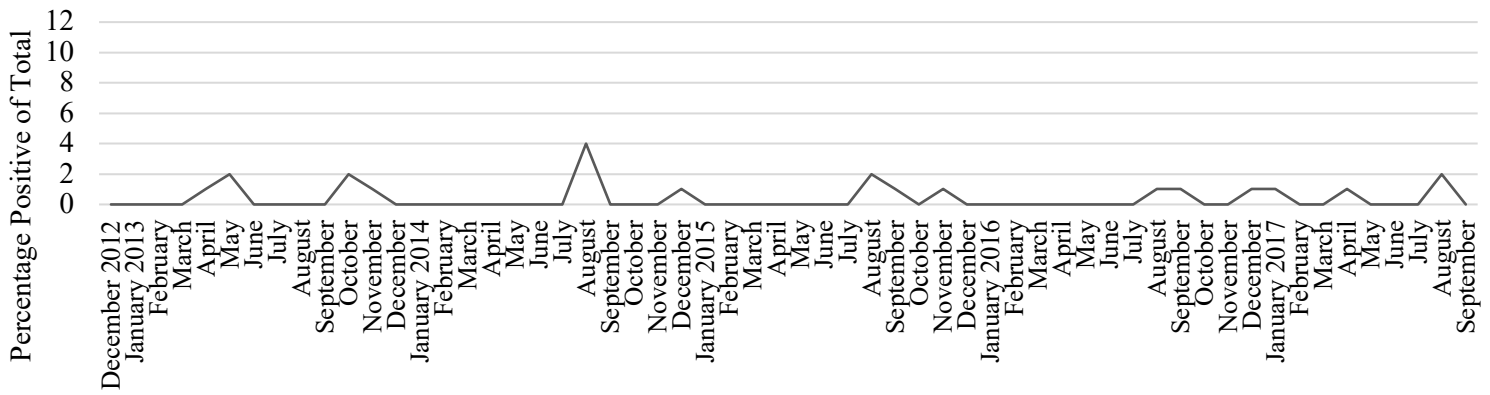
### Rhino/enterovirus



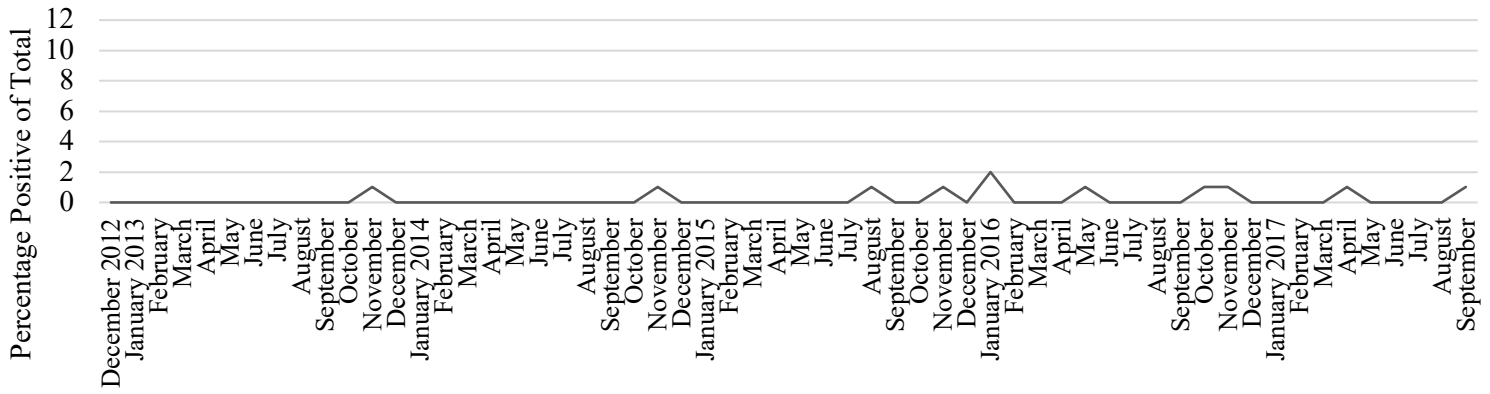
### Respiratory Syncytial Virus



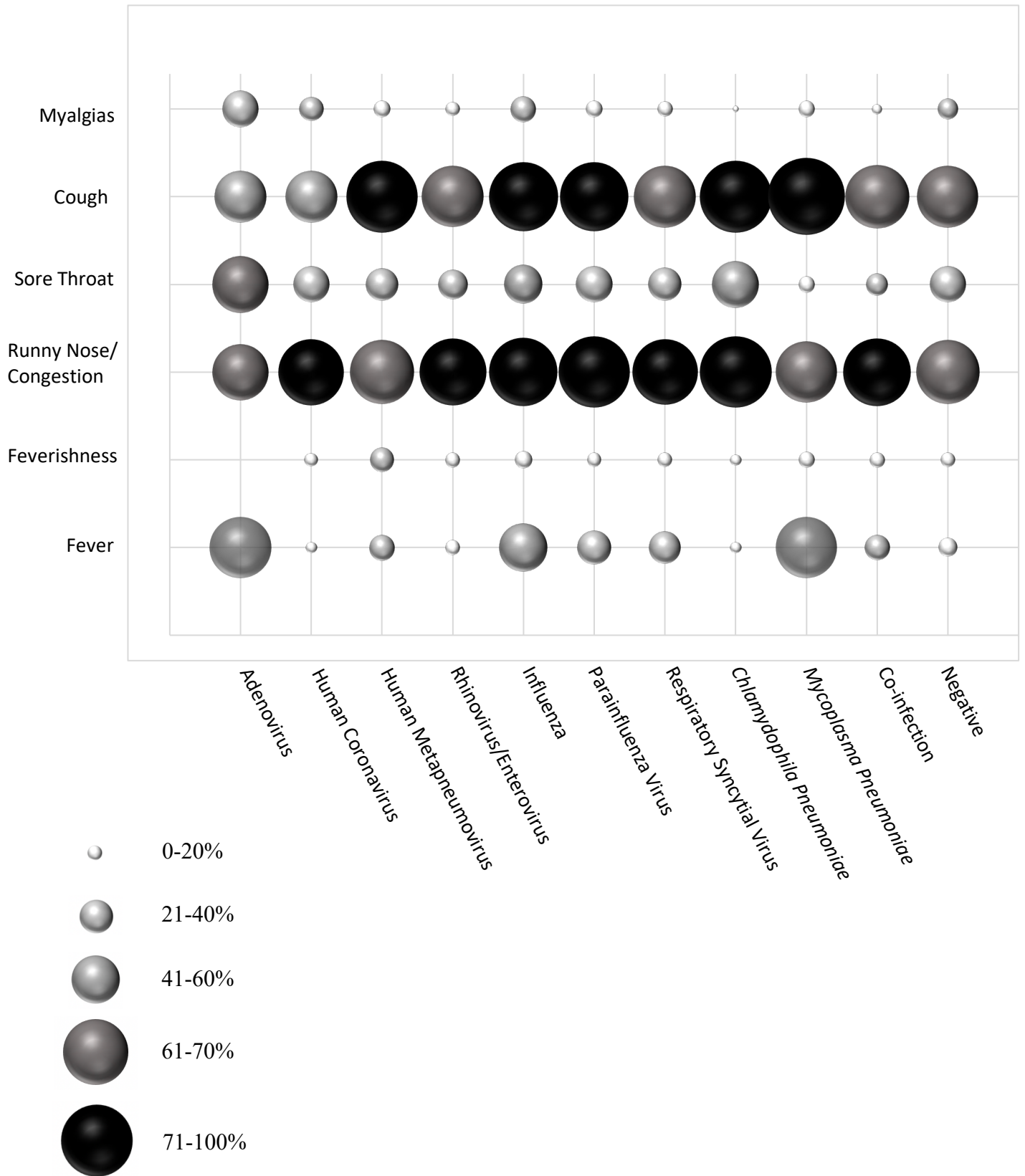
### *Chlamydia pneumoniae*



### *Mycoplasma pneumoniae*



Supplemental Figure 3: Symptoms associated with pathogens detected



**Supplemental Table 1: Incidence of Acute Respiratory Infections and Days of Illness**

	Age	ARI incidence	Person-days	Incidence per person year (95% CI)	Days of illness	Days of Illness per person year (95% CI)
<b>Total sample</b>		3016	1788146	0.62 (0.59, 0.64)	24629	5.03 (4.97, 5.09)
<b>By Age</b>	<2 years	196	41419	1.73 (1.49, 1.97)	1470	12.96 (12.31, 13.61)
	2-4 years	440	101534	1.58 (1.44, 1.73)	3590	12.91 (12.50, 13.33)
	5-17 years	995	609573	0.60 (0.56, 0.63)	7729	4.63 (4.53, 4.73)
	18-49 years	931	744097	0.46 (0.43, 0.49)	7695	3.78 (3.69, 3.86)
	50-64 years	346	216206	0.58 (0.52, 0.65)	3099	5.24 (5.05, 5.42)
	≥65 years	108	75317	0.52 (0.43, 0.62)	1046	5.07 (4.77, 5.38)
<b>By Study Year</b>						
12/2012 to 9/2013*		385	187484	0.75 (0.68, 0.82)	2649	5.16 (4.97, 5.36)
10/2013 to 9/2014		706	418216	0.62 (0.57, 0.66)	6481	5.66 (5.52, 5.80)
10/2014 to 9/2015		723	401825	0.66 (0.61, 0.71)	4393	3.99 (3.88, 4.11)
10/2015 to 9/2016		626	391179	0.58 (0.54, 0.63)	4903	4.58 (4.45, 4.71)
10/2016 to 9/2017		576	389442	0.54 (0.50, 0.58)	6203	5.82 (5.67, 5.96)
<b>By Age and Study Year</b>						
12/2012 to 9/2013*	<2 years	24	5317	1.65 (0.99, 2.31)	162	11.13 (9.44, 12.82)
12/2012 to 9/2013*	2-4 years	73	14532	1.83 (1.41, 2.25)	601	15.11 (13.92, 16.29)
12/2012 to 9/2013*	5-17 years	107	58982	0.66 (0.54, 0.79)	734	4.55 (4.22, 4.87)
12/2012 to 9/2013*	18-49 years	131	78525	0.61 (0.51, 0.71)	820	3.81 (3.55, 4.07)
12/2012 to 9/2013*	50-64 years	40	23253	0.63 (0.43, 0.82)	276	4.34 (3.83, 4.84)
12/2012 to 9/2013*	≥65 years	10	6875	0.53 (0.20, 0.86)	56	2.98 (2.20, 3.75)
10/2013 to 9/2014	<2 years	47	9830	1.75 (1.25, 2.24)	425	15.79 (14.32, 17.26)
10/2013 to 9/2014	2-4 years	121	27068	1.63 (1.34, 1.92)	1152	15.54 (14.67, 16.42)
10/2013 to 9/2014	5-17 years	214	133571	0.59 (0.51, 0.66)	1761	4.82 (4.59, 5.04)
10/2013 to 9/2014	18-49 years	211	172095	0.45 (0.39, 0.51)	1889	4.01 (3.83, 4.19)
10/2013 to 9/2014	50-64 years	78	54412	0.52 (0.41, 0.64)	875	5.87 (5.49, 6.26)
10/2013 to 9/2014	≥65 years	35	21240	0.60 (0.40, 0.80)	379	6.52 (5.87, 7.17)
10/2014 to 9/2015	<2 years	51	8797	2.12 (1.54, 2.70)	176	7.31 (6.24, 8.38)
10/2014 to 9/2015	2-4 years	110	22981	1.75 (1.42, 2.07)	669	10.63 (9.84, 11.43)
10/2014 to 9/2015	5-17 years	243	133877	0.66 (0.58, 0.75)	1389	3.79 (3.59, 3.99)
10/2014 to 9/2015	18-49 years	208	169784	0.45 (0.39, 0.51)	1441	3.10 (2.94, 3.26)
10/2014 to 9/2015	50-64 years	87	49229	0.65 (0.5, 0.78)	547	4.06 (3.72, 4.40)
10/2014 to 9/2015	≥65 years	24	17157	0.51 (0.31, 0.72)	171	3.64 (3.10, 4.18)
10/2015 to 9/2016	<2 years	34	9111	1.36 (0.91, 1.82)	240	9.62 (8.42, 10.82)
10/2015 to 9/2016	2-4 years	83	20647	1.47 (1.15, 1.78)	585	10.35 (9.52, 11.18)
10/2015 to 9/2016	5-17 years	214	140670	0.56 (0.48, 0.63)	1565	4.06 (3.86, 4.26)
10/2015 to 9/2016	18-49 years	210	161250	0.48 (0.41, 0.54)	1684	3.81 (3.63, 4.00)
10/2015 to 9/2016	50-64 years	65	44760	0.53 (0.40, 0.66)	599	4.89 (4.50, 5.28)
10/2015 to 9/2016	≥65 years	20	14741	0.50 (0.28, 0.71)	230	5.70 (4.97, 6.43)
10/2016 to 9/2017	<2 years	40	8364	1.75 (1.21, 2.29)	467	20.39 (18.60, 22.19)
10/2016 to 9/2017	2-4 years	53	16306	1.19 (0.87, 1.51)	583	13.06 (12.02, 14.10)
10/2016 to 9/2017	5-17 years	217	142473	0.56 (0.48, 0.63)	2280	5.85 (5.61, 6.08)
10/2016 to 9/2017	18-49 years	171	162443	0.38 (0.33, 0.44)	1861	4.18 (4.00, 4.37)
10/2016 to 9/2017	50-64 years	76	44552	0.62 (0.48, 0.76)	802	6.57 (6.12, 7.03)
10/2016 to 9/2017	≥65 years	19	15304	0.45 (0.25, 0.66)	210	5.01 (4.34, 5.69)

\* start on December 4, 2012

**Supplemental Table 2: Incidence of Acute Respiratory Infections and Days of Illness by Pathogen**

		ARI episodes, no.	Incidence per person year	Sick-days, no.	Sick-days per episode, no.
<b>Adenovirus*</b>	Overall	28	0.006	215	8
	<2 years	5	0.044	53	11
	2-4 years	10	0.036	79	8
	5-17 years	10	0.006	55	6
	18-49 years	3	0.001	28	9
	50-64 years	0	0		
	≥65 years	0	0		
<b>Influenza A</b>		139	0.028	1,277	9
	<2 years	2	0.018	18	9
	2-4 years	10	0.036	74	7
	5-17 years	60	0.036	588	10
	18-49 years	44	0.022	344	8
	50-64 years	21	0.035	236	11
	≥65 years	2	0.010	17	9
<b>Human Metapneumovirus</b>		73	0.015	549	8
	<2 years	12	0.106	123	10
	2-4 years	25	0.090	165	7
	5-17 years	15	0.009	87	6
	18-49 years	13	0.006	109	8
	50-64 years	7	0.012	58	8
	≥65 years	1	0.005	7	7
<b>Respiratory Syncytial Virus</b>		88	0.018	893	10
	<2 years	9	0.079	70	8
	2-4 years	23	0.083	255	11
	5-17 years	23	0.014	191	8
	18-49 years	22	0.011	261	12
	50-64 years	8	0.014	81	10
	≥65 years	3	0.015	35	12
<b>Chlamydomphila pneumoniae*</b>		20	0.004	268	13
	<2 years	0	0		
	2-4 years	6	0.022	46	8
	5-17 years	12	0.007	175	15
	18-49 years	2	0.001	47	24
	50-64 years	0	0		
	≥65 years	0	0		
<b>Human Coronaviruses</b>		251	0.051	1,731	7
	<2 years	16	0.141	108	7
	2-4 years	31	0.112	209	7
	5-17 years	60	0.036	419	7
	18-49 years	92	0.045	585	6
	50-64 years	39	0.066	312	8
	≥65 years	13	0.063	98	8
<b>Influenza B</b>		78	0.016	691	9
	<2 years	2	0.018	5	3
	2-4 years	8	0.029	81	10
	5-17 years	38	0.023	325	9
	18-49 years	17	0.008	184	11
	50-64 years	10	0.017	72	7
	≥65 years	3	0.015	24	8
<b>Parainfluenza viruses</b>		96	0.020	825	9
	<2 years	14	0.123	114	8
	2-4 years	24	0.086	247	10
	5-17 years	24	0.014	215	9
	18-49 years	25	0.012	161	6
	50-64 years	8	0.014	82	10
	≥65 years	1	0.005	6	6
<b>Rhino/Enteroviruses</b>	Overall	837	0.171	6,478	8
	<2 years	73	0.644	583	8
	2-4 years	147	0.529	1,250	9
	5-17 years	308	0.185	2,216	7
	18-49 years	223	0.109	1,733	8
	50-64 years	67	0.113	477	7
	≥65 years	19	0.092	219	12
<b>Mycoplasma pneumoniae*</b>		7	0.001	45	6
	<2 years	0	0	0	0
	2-4 years	3	0.011	25	8
	5-17 years	4	0.002	20	5
	18-49 years	0	0		
	50-64 years	0	0		
	≥65 years	0	0		
<b>Co-infection</b>		90	0.018	762	8
	<2 years	19	0.168	180	9
	2-4 years	33	0.119	314	10
	5-17 years	22	0.013	147	7
	18-49 years	12	0.006	102	9
	50-64 years	4	0.007	19	5
	≥65 years	0	0		

Note: \* indicates < 25 cases so estimates may be less reliable. ARI: acute respiratory infection