

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: April 04, 2012

All Reporting Sites, Through the Week Ending March 31, 2012

The PEWSS reports are disseminated weekly by email, fax, and online at <http://www.southernnevadahealthdistrict.org/stats-reports/influenza.php>. For questions about PEWSS, please contact the SNHD Office of Epidemiology at 702.759.1300.

General Update

During the week ending March 31, 2012, the following viruses were identified through PEWSS with a moderate volume of testing (Fig. 1): Influenza A, Influenza B, Adenovirus and Human Metapneumovirus.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS:

Influenza A and RSV have been circulating at high levels.

Influenza B, Adenovirus and Human Metapneumovirus have been circulating at low levels.

Parainfluenza 1 and Parainfluenza 3 have been sporadically identified.

Parainfluenza 2 has not been identified.

Table 1 - Testing Results, Current Week and Previous Four Weeks

PCR Testing Results	Week Ending										Interpretation For Past 5 Weeks
	3/3		3/10		3/17		3/24		3/31		
	n	%	n	%	n	%	n	%	n	%	
All negative	10	31%	4	15%	8	27%	9	45%	3	23%	
Influenza A Positive	8	25%	12	46%	13	45%	7	35%	6	46%	High
Influenza B Positive	0	0%	1	4%	1	3%	1	5%	2	15%	Low
Adenovirus Positive	1	3%	0	0%	2	7%	2	10%	1	8%	Low
Human Metapneumovirus Positive	5	16%	5	19%	2	7%	0	0%	1	8%	Low
Parainfluenza 1 Positive	0	0%	1	4%	1	3%	0	0%	0	0%	Sporadic
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Parainfluenza 3 Positive	0	0%	0	0%	1	3%	0	0%	0	0%	Sporadic
RSV Positive	11	34%	6	23%	4	13%	1	5%	0	0%	High
Coinfections	3	9%	3	12%	3	10%	0	0%	0	0%	
Specimens Tested	32	-	26	-	30	-	20	-	13	-	Moderate Volume

Table 2 - Influenza A Typing, Current Week and Previous Four Weeks

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	3/3		3/10		3/17		3/24		3/31		n	%
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	5	63%	4	33%	5	38%	0	0%	3	50%	17	37%
Influenza A H1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Influenza A H3	3	38%	8	67%	8	62%	7	100%	3	50%	29	63%

Figure 1 - Weekly Number of Specimens Tested

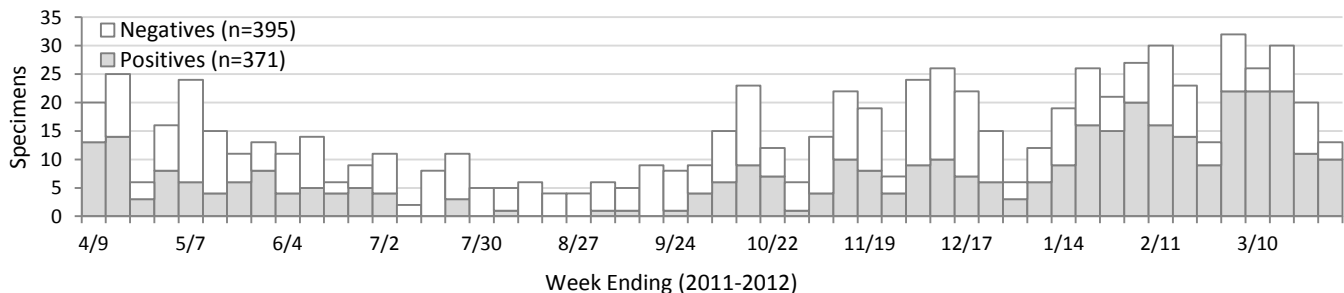
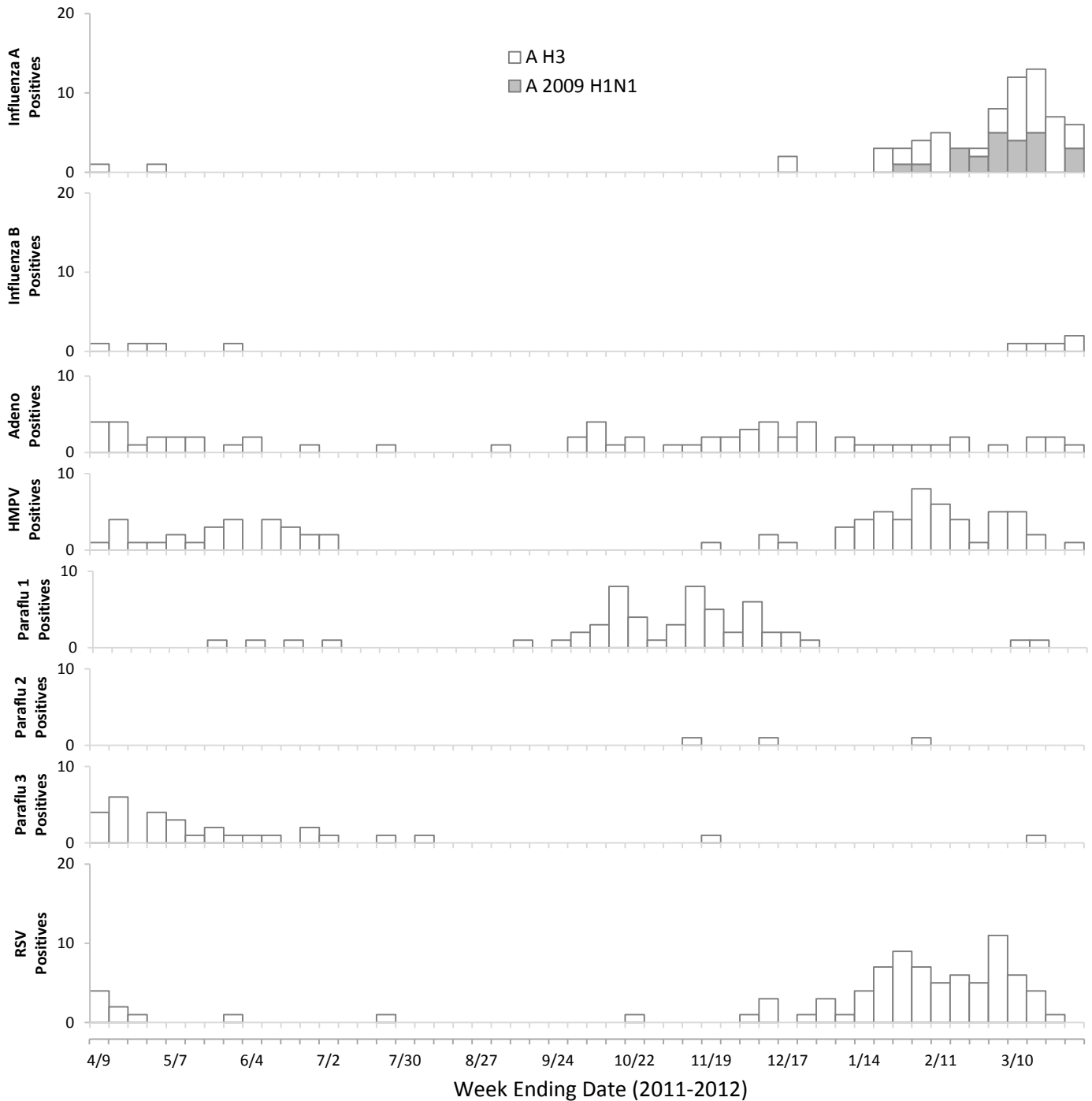


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

Among influenza viruses, influenza A H3 continues to predominate in southern Nevada (Table 2; Fig. 2). After decreasing over the month of March, respiratory syncytial virus (RSV) was not identified in the most recent week. This is the first time RSV has not been detected since mid-December, and the trend over the last five weeks may indicate that Southern Nevada is nearing the end of RSV season.