

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: March 07, 2012

All Reporting Sites, Through the Week Ending March 03, 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 03, 2012, the following viruses were identified through PEWSS with a high volume of testing (Fig. 1): Influenza A, Adenovirus, Human Metapneumovirus and RSV.

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

Influenza A, Human Metapneumovirus and RSV have been circulating at high levels.

Adenovirus has been circulating at low levels.

Parainfluenza 2 has been sporadically identified.

Influenza B, Parainfluenza 1 and Parainfluenza 3 have not been identified.

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

PCR Testing Results	Week Ending										Interpretation For Past 5 Weeks	
	2/4		2/11		2/18		2/25		3/3			
	n	%	n	%	n	%	n	%	n	%		
All negative	7	26%	14	47%	9	39%	4	31%	10	31%	High	
Influenza A Positive	4	15%	5	17%	3	13%	3	23%	8	25%		
Influenza B Positive	0	0%	0	0%	0	0%	0	0%	0	0%		Not Detected
Adenovirus Positive	1	4%	1	3%	2	9%	0	0%	1	3%		Low
Human Metapneumovirus Positive	8	30%	6	20%	4	17%	1	8%	5	16%		High
Parainfluenza 1 Positive	0	0%	0	0%	0	0%	0	0%	0	0%		Not Detected
Parainfluenza 2 Positive	1	4%	0	0%	0	0%	0	0%	0	0%		Sporadic
Parainfluenza 3 Positive	0	0%	0	0%	0	0%	0	0%	0	0%		Not Detected
RSV Positive	7	26%	5	17%	6	26%	5	38%	11	34%		High
Coinfections	1	4%	1	3%	1	4%	0	0%	3	9%		
Specimens Tested	27	-	30	-	23	-	13	-	32	-	High Volume	

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	2/4		2/11		2/18		2/25		3/3		n	%
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	1	25%	0	0%	3	100%	2	67%	5	63%	11	48%
Influenza A H1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Influenza A H3	3	75%	5	100%	0	0%	1	33%	3	38%	12	52%

Figure 1 - Weekly Number of Specimens Tested

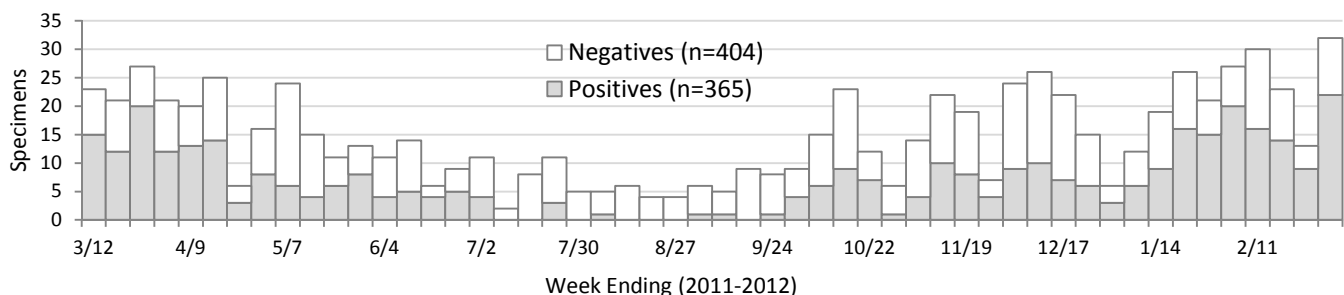
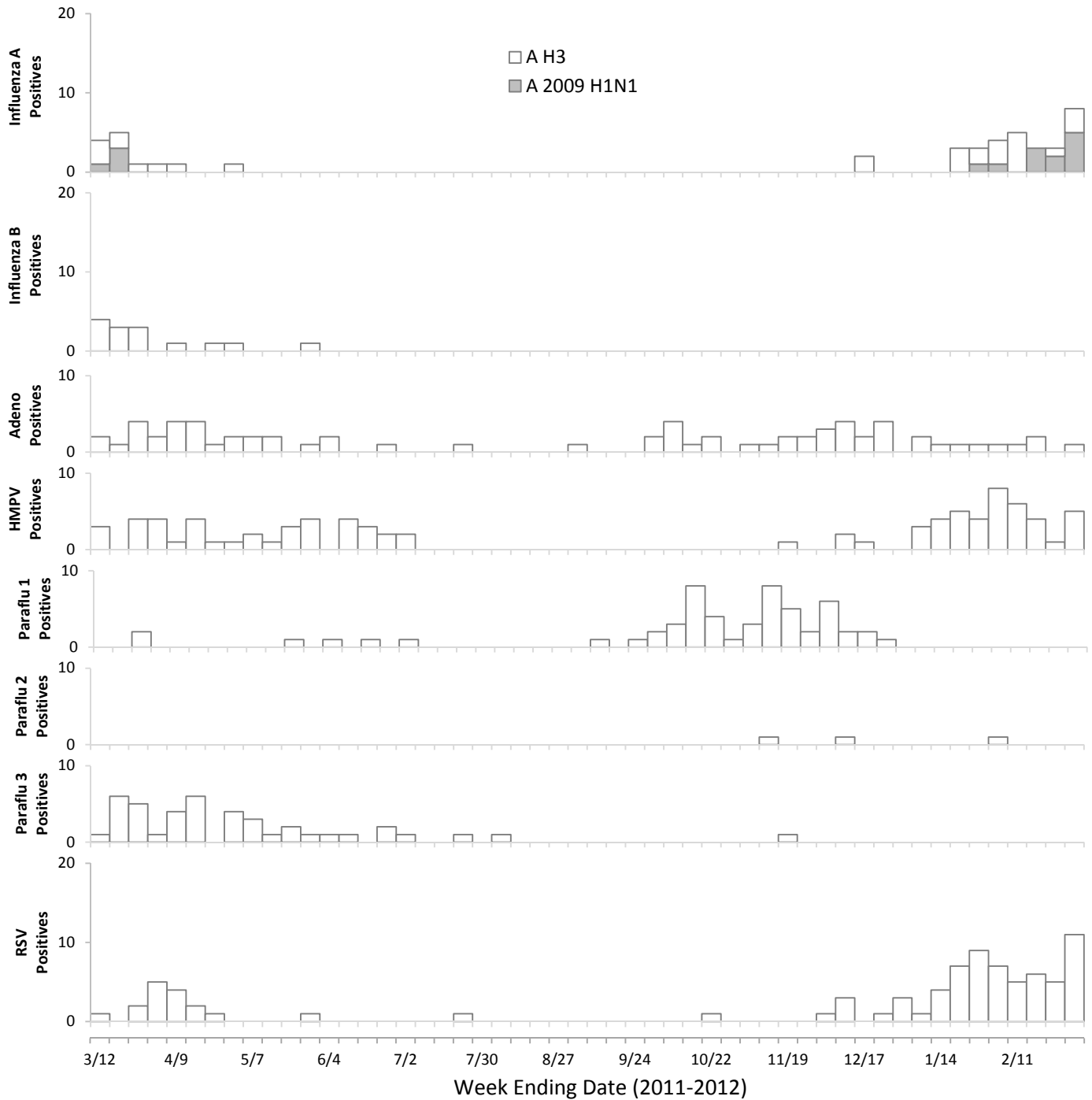


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

Nationally, a low but increasing number of influenza positive specimens have been reported this season, with influenza A H3N2 viruses being most common. However, in southern Nevada, influenza A 2009 H1N1 and influenza A H3 predominate (Table 2; Fig. 2), and influenza B has not been detected this surveillance season (Table 1; Fig. 2).

Pediatric medical practices are encouraged to participate as sentinel sites for the PEWSS program. There is no cost to participate. Please contact the SNHD Office of Epidemiology at 702.759-1299 for more information.