

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: February 08, 2012

All Reporting Sites, Through the Week Ending February 04, 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 February 04, 2012, the following viruses were identified through PEWSS with a high volume of testing (Fig. 1): Influenza A, Adenovirus, Human Metapneumovirus, Parainfluenza 2 and RSV.

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

Human Metapneumovirus and RSV have been circulating at high levels.

Adenovirus has been circulating at low levels.

Influenza A and Parainfluenza 2 have 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
	1/7		1/14		1/21		1/28		2/4		
	n	%	n	%	n	%	n	%	n	%	
All negative	6	50%	10	53%	10	38%	6	29%	7	26%	High Volume
Influenza A Positive	0	0%	0	0%	3	12%	3	14%	4	15%	
Influenza B Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Adenovirus Positive	2	17%	1	5%	1	4%	1	5%	1	4%	
Human Metapneumovirus Positive	3	25%	4	21%	5	19%	4	19%	8	30%	
Parainfluenza 1 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	1	4%	
Parainfluenza 3 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
RSV Positive	1	8%	4	21%	7	27%	9	43%	7	26%	
Coinfections	0	0%	0	0%	0	0%	2	10%	1	4%	
Specimens Tested	12	-	19	-	26	-	21	-	27	-	

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	1/7		1/14		1/21		1/28		2/4		n	%
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	0	-	0	-	0	0%	1	33%	1	25%	2	20%
Influenza A H1	0	-	0	-	0	0%	0	0%	0	0%	0	0%
Influenza A H3	0	-	0	-	3	100%	2	67%	3	75%	8	80%

Figure 1 - Weekly Number of Specimens Tested

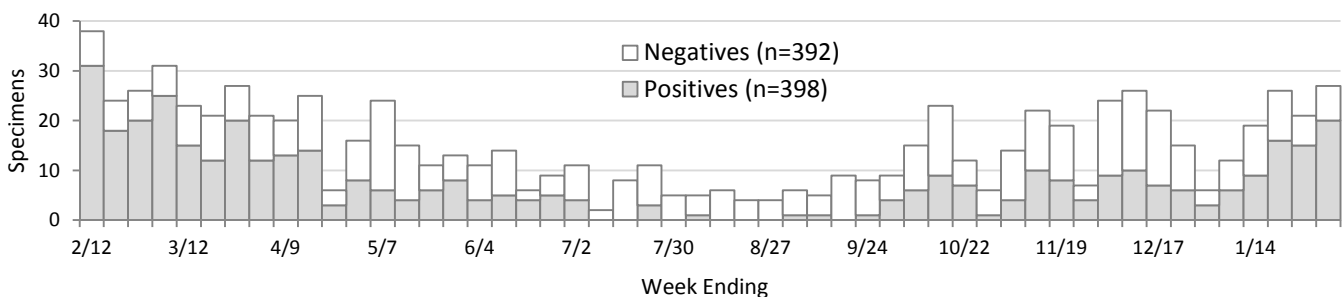
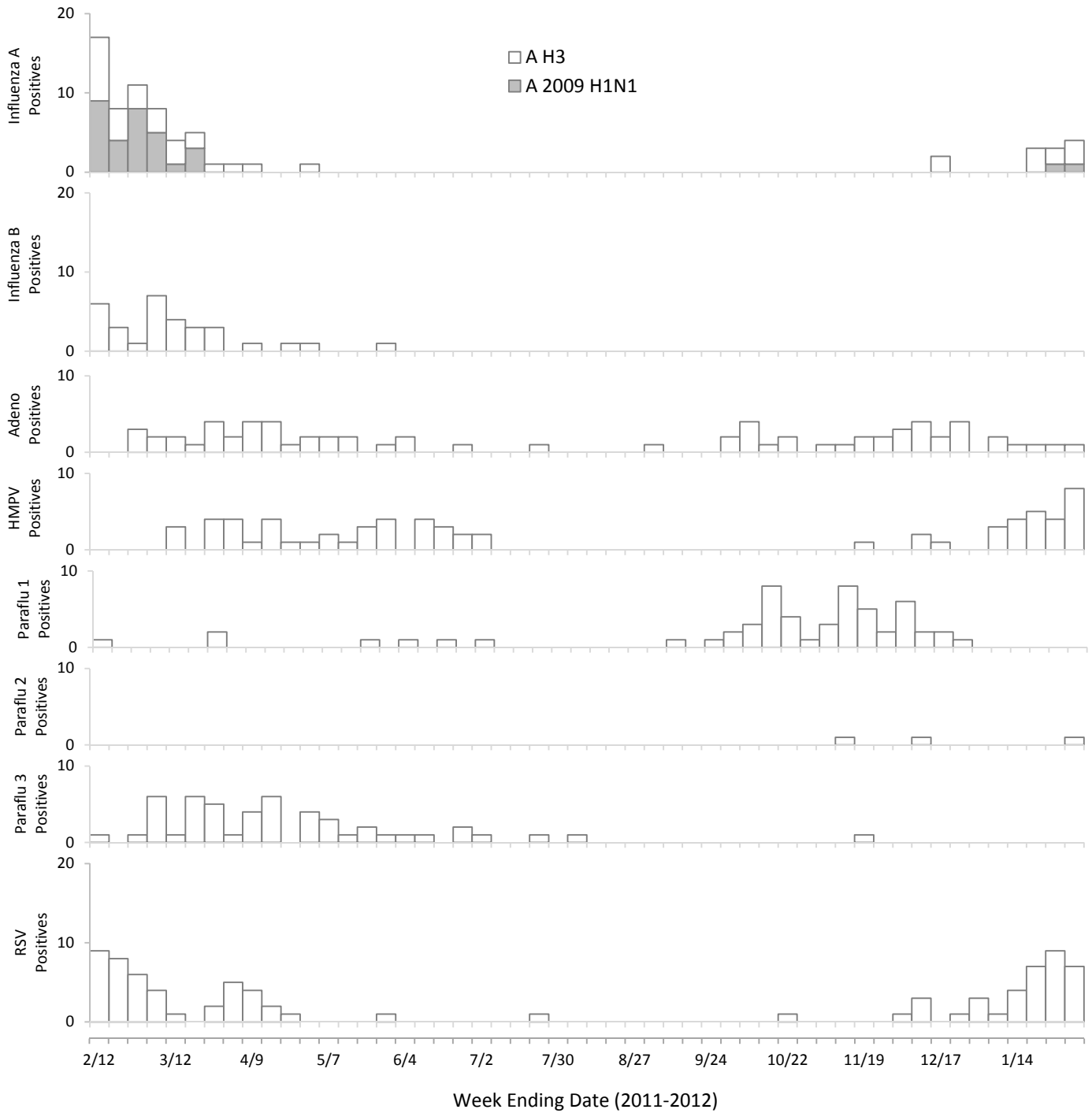


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

Multiple test organisms isolated from the same specimen are listed as co-infections (Table 1). Figure 1 shows the number of specimens tested per week with a maximum of 50 specimens. Higher levels of tests performed indicate that there are more respiratory illnesses detected in the community, because sentinel sites are encountering more patients who meet the illness testing criteria and can provide specimens for testing.

Pediatric medical practices that are interested in becoming sentinel sites for the PEWSS program should contact the Office of Epidemiology at 702.759.1299. There is no cost to participate.