

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: December 21, 2011

All Reporting Sites, Through the Week Ending December 17, 2011

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 December 17, 2011, the following viruses were identified through PEWSS with a high volume of testing (Fig. 1): Influenza A, Adenovirus, Human Metapneumovirus and Parainfluenza 1.

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

Parainfluenza 1 has been circulating at high levels.

Adenovirus has been circulating at low levels.

Influenza A, Human Metapneumovirus, Parainfluenza 2, Parainfluenza 3 and RSV have been sporadically identified.

Influenza B has not been identified.

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

PCR Testing Results	Week Ending										Interpretation For Past 5 Weeks
	11/19		11/26		12/3		12/10		12/17		
	n	%	n	%	n	%	n	%	n	%	
All negative	11	58%	3	43%	15	63%	16	62%	15	68%	Sporadic Not Detected Low Sporadic High Sporadic Sporadic Sporadic
Influenza A Positive	0	0%	0	0%	0	0%	0	0%	2	9%	
Influenza B Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Adenovirus Positive	2	11%	2	29%	3	13%	4	15%	2	9%	
Human Metapneumovirus Positive	1	5%	0	0%	0	0%	2	8%	1	5%	
Parainfluenza 1 Positive	5	26%	2	29%	6	25%	2	8%	2	9%	
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	1	4%	0	0%	
Parainfluenza 3 Positive	1	5%	0	0%	0	0%	0	0%	0	0%	
RSV Positive	0	0%	0	0%	1	4%	3	12%	0	0%	
Coinfections	1	5%	0	0%	1	4%	2	8%	0	0%	
Specimens Tested	19	-	7	-	24	-	26	-	22	-	High Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	11/19		11/26		12/3		12/10		12/17			
	n	%	n	%	n	%	n	%	n	%	n	%
Influenza A 2009 H1N1	0	-	0	-	0	-	0	-	0	0%	0	0%
Influenza A H1	0	-	0	-	0	-	0	-	0	0%	0	0%
Influenza A H3	0	-	0	-	0	-	0	-	2	100%	2	100%

Figure 1 - Weekly Number of Specimens Tested

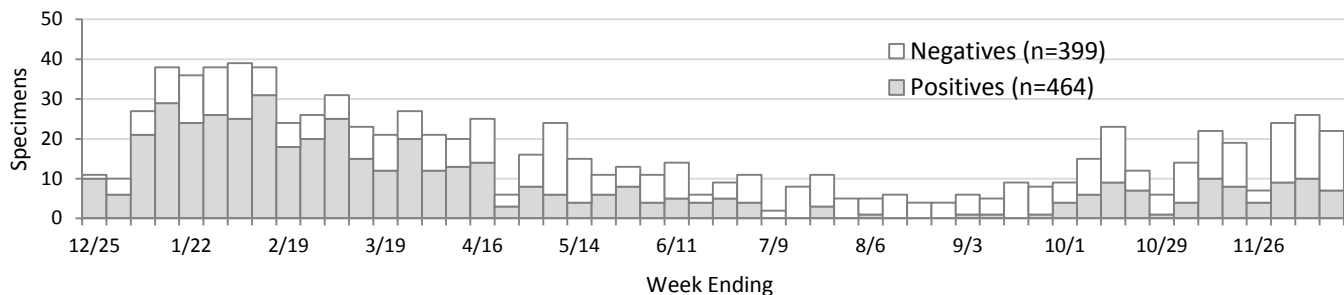
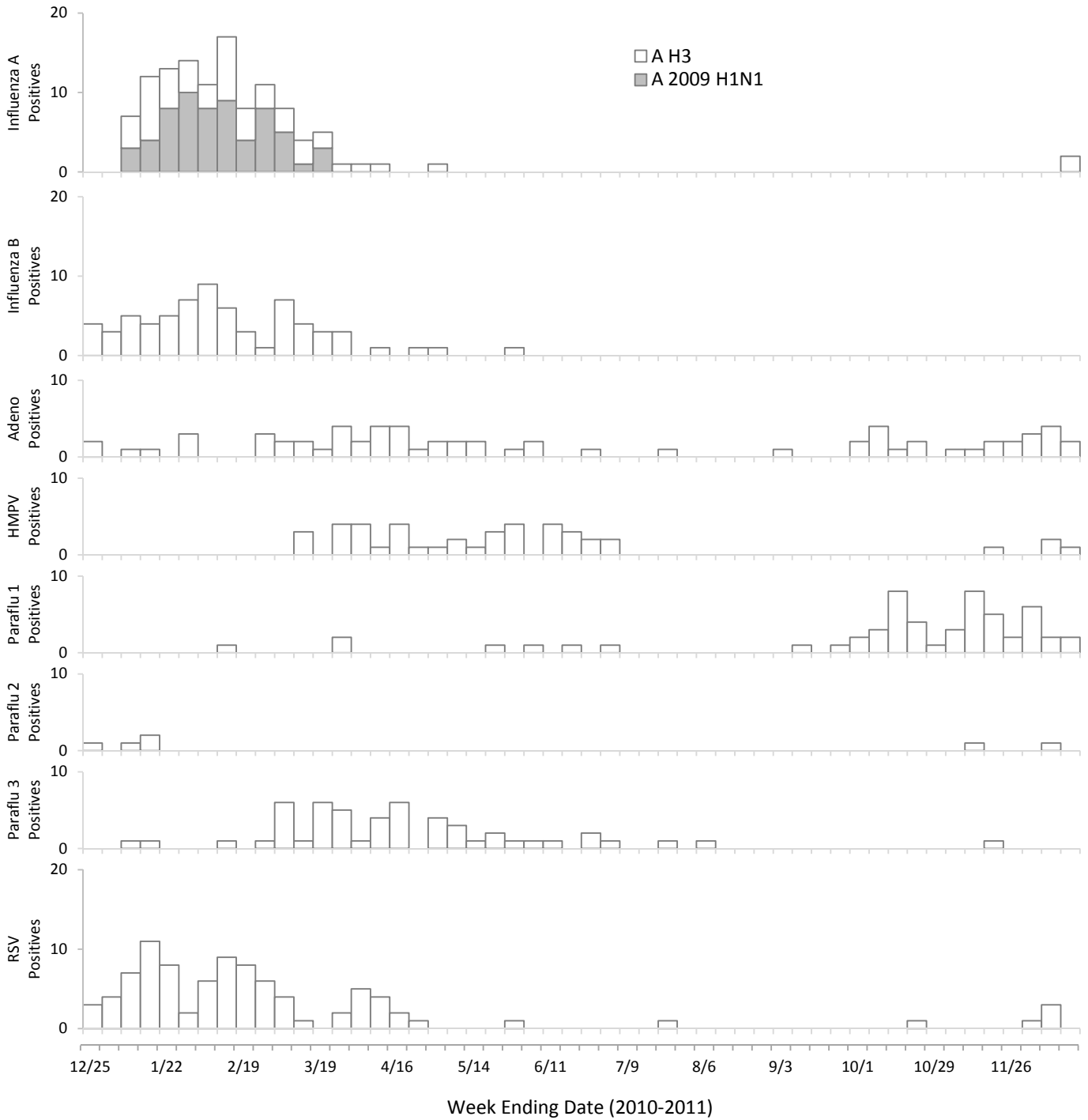


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

The detection of influenza A H3 during this surveillance period may signal the seasonal emergence of influenza in Southern Nevada.

The SNHD is evaluating medical practices that specialize in pediatric patients to serve as PEWSS surveillance sites. There is no cost to physicians, to their medical practices, and to patients to participate in the PEWSS program. If you are interested in becoming a PEWSS sentinel site, please call the Office of Epidemiology at 702.759.1299.