

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: November 13, 2013

All Sentinel Sites, Through the Week Ending November 09, 2013

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 Linh Nguyen, PhD, MPH at the SNHD Office of Epidemiology at 702.759.1300.

General Update

During the week ending November 09, 2013, the following viruses were identified through PEWSS with a moderate volume of testing (Fig. 1): Adenovirus, Parainfluenza 1 and RSV.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS: Adenovirus, Human Metapneumovirus, Parainfluenza 1 and RSV have been sporadically identified. Influenza A, Influenza B, Parainfluenza 2 and Parainfluenza 3 have not been identified.

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

PCR Testing Results	Week Ending								Past 5 Weeks Circulation Levels		
	10/12		10/19		10/26		11/2			11/9	
	n	%	n	%	n	%	n	%		n	%
All negative	5	83%	1	25%	3	100%	1	50%	7	54%	
Influenza A Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Influenza B Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Adenovirus Positive	0	0%	0	0%	0	0%	0	0%	1	8%	Sporadic
Human Metapneumovirus Positive	0	0%	0	0%	0	0%	1	50%	0	0%	Sporadic
Parainfluenza 1 Positive	1	17%	3	75%	0	0%	0	0%	4	31%	Sporadic
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Parainfluenza 3 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
RSV Positive	0	0%	0	0%	0	0%	0	0%	1	8%	Sporadic
Co-infections	0	0%	0	0%	0	0%	0	0%	0	0%	
Specimens Tested	6	-	4	-	3	-	2	-	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			
	10/12		10/19		10/26		11/2				11/9	
	n	%	n	%	n	%	n	%			n	%
Influenza A 2009 H1N1	0	-	0	-	0	-	0	-	0	-	0	-
Influenza A H1	0	-	0	-	0	-	0	-	0	-	0	-
Influenza A H3	0	-	0	-	0	-	0	-	0	-	0	-

Figure 1 - Weekly Number of Specimens Tested

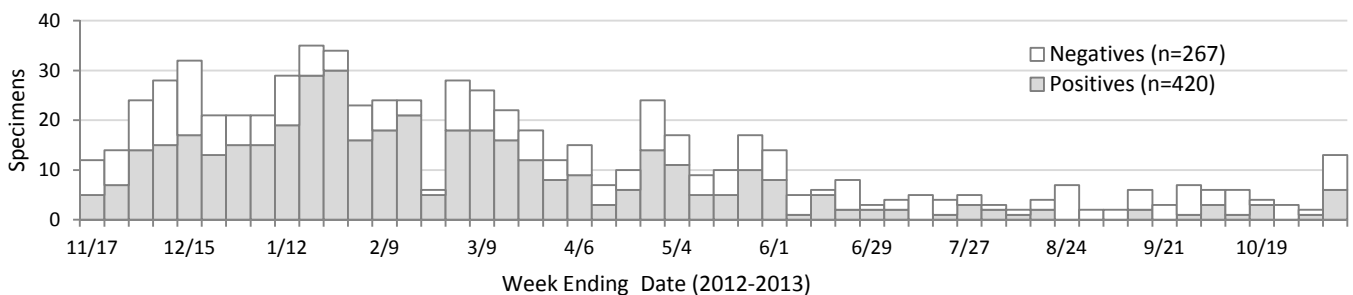
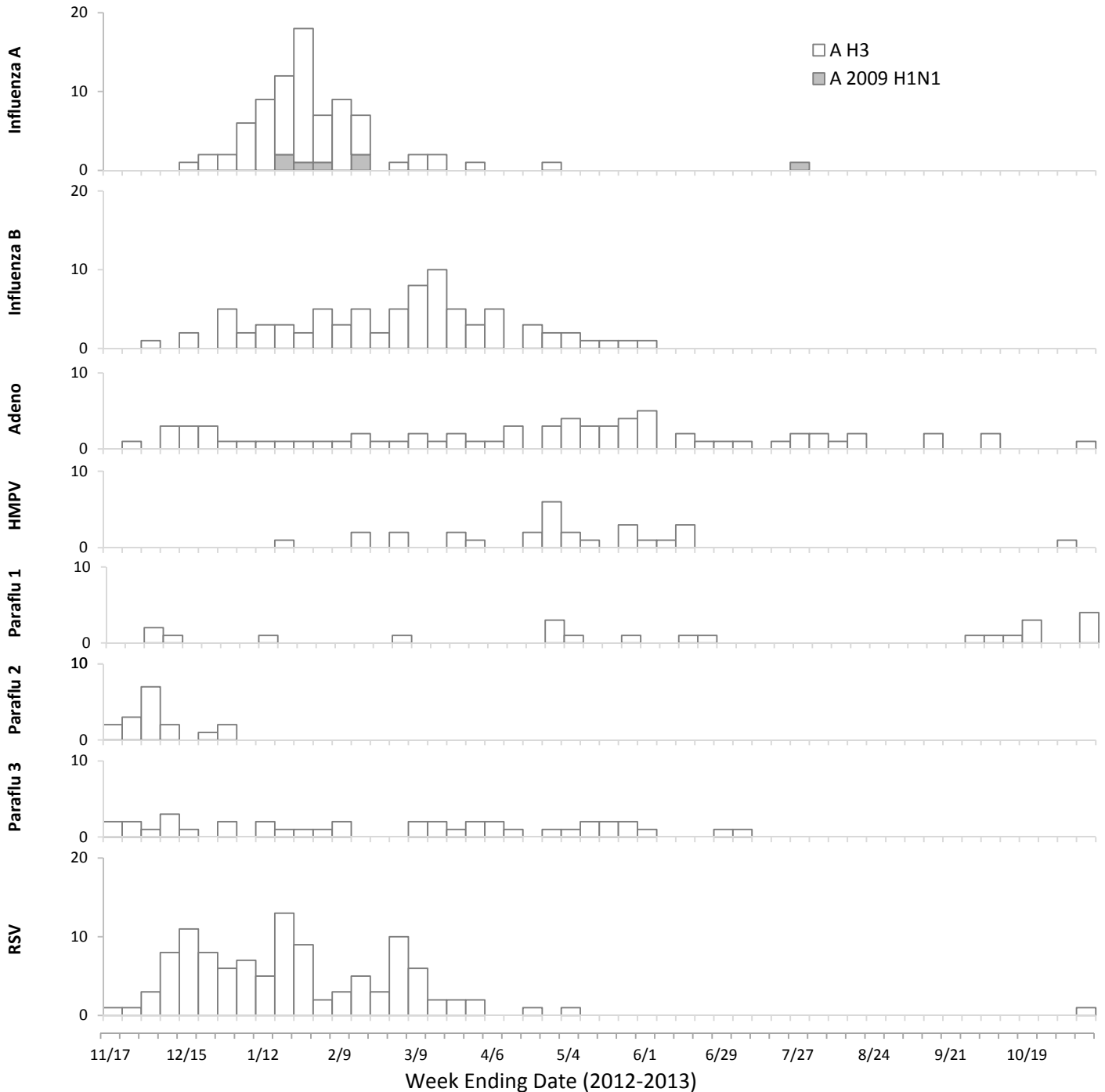


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

PEWSS detected respiratory syncytial virus (RSV) during this surveillance period, which might signal the beginning of RSV season in Southern Nevada. RSV is the most common cause of bronchiolitis and pneumonia in children under 1 year of age in the U.S. In addition, RSV is increasingly being recognized as an important cause of respiratory illness in older adults.

Human parainfluenza virus-1 (HPIV-1) was also detected. HPIV-1 is most often associated with croup (laryngotracheobronchitis) in children.