

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: November 27, 2013

All Sentinel Sites, Through the Week Ending November 23, 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 23, 2013, the following viruses were identified through PEWSS with a low volume of testing (Fig. 1): Influenza A, Parainfluenza 1 and RSV.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS: Influenza A, Adenovirus, Human Metapneumovirus, Parainfluenza 1 and RSV have been sporadically identified. 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
	10/26		11/2		11/9		11/16		11/23		
	n	%	n	%	n	%	n	%	n	%	
All negative	3	100%	1	50%	7	54%	6	67%	5	42%	
Influenza A Positive	0	0%	0	0%	0	0%	0	0%	1	8%	Sporadic
Influenza B Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Adenovirus Positive	0	0%	0	0%	1	8%	0	0%	0	0%	Sporadic
Human Metapneumovirus Positive	0	0%	1	50%	0	0%	0	0%	0	0%	Sporadic
Parainfluenza 1 Positive	0	0%	0	0%	4	31%	3	33%	3	25%	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%	1	8%	0	0%	3	25%	Sporadic
Co-infections	0	0%	0	0%	0	0%	0	0%	0	0%	
Specimens Tested	3	-	2	-	13	-	9	-	12	-	Low Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	10/26		11/2		11/9		11/16		11/23			
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	0	-	0	-	0	-	0	-	1	100%	1	100%
Influenza A H1	0	-	0	-	0	-	0	-	0	0%	0	0%
Influenza A H3	0	-	0	-	0	-	0	-	0	0%	0	0%

Figure 1 - Weekly Number of Specimens Tested

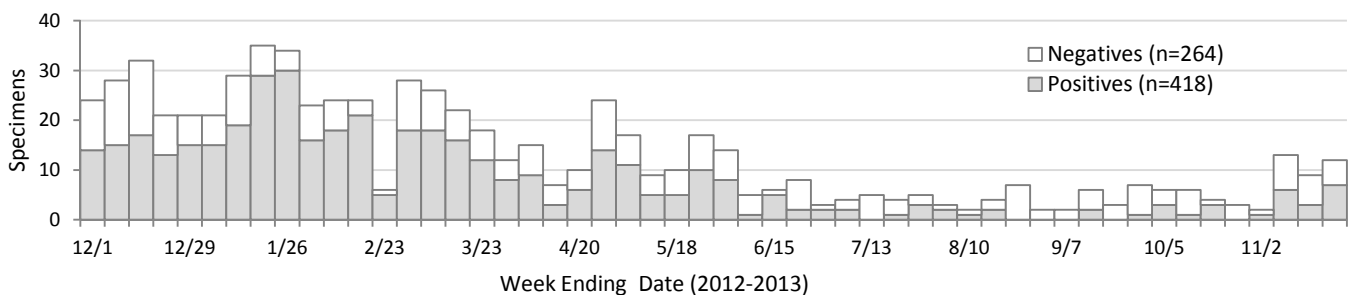
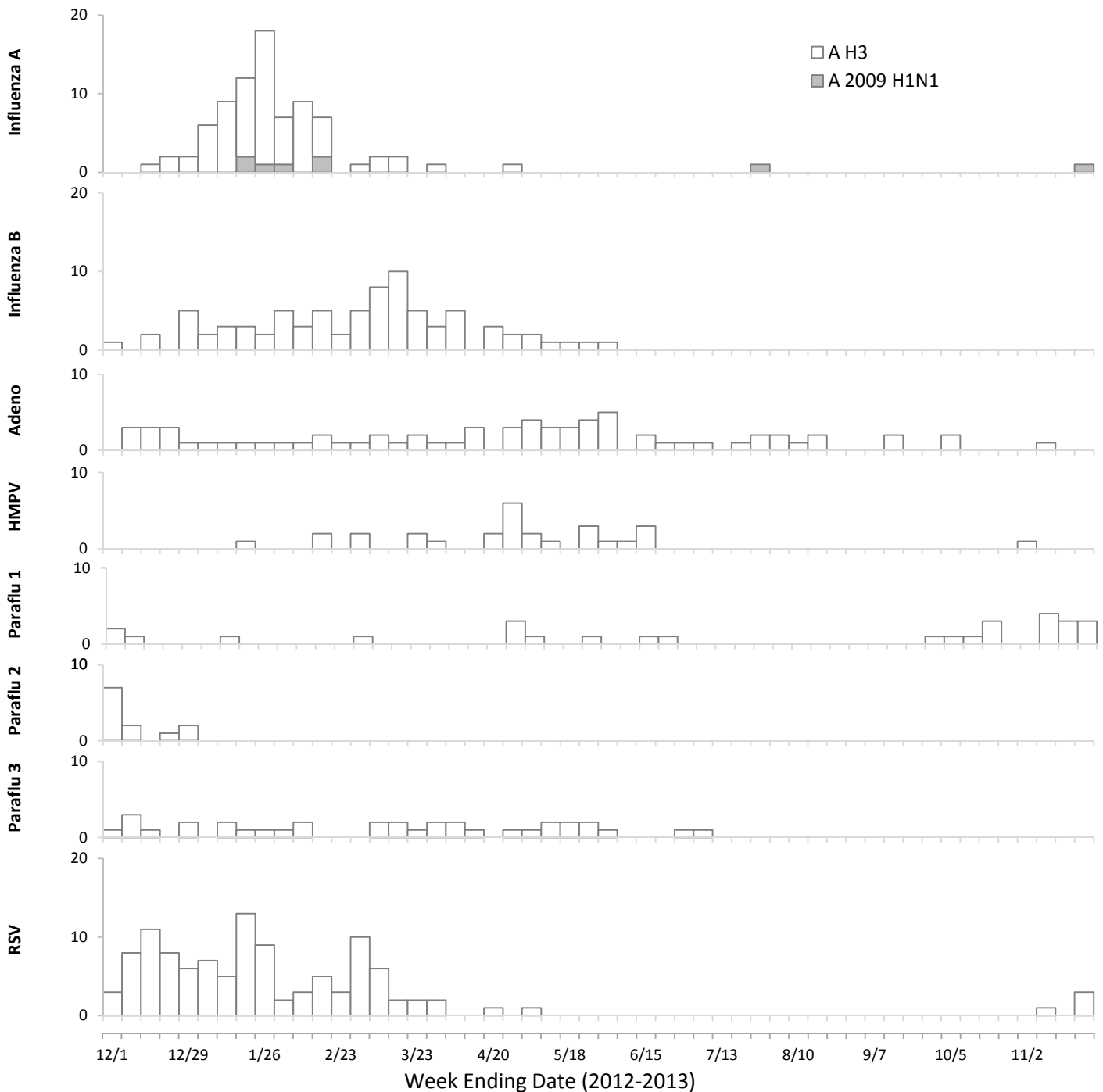


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

Influenza A 2009 H1N1 and respiratory syncytial virus (RSV) were detected this week (Table 1; Fig. 2). Their appearances may indicate the beginning of influenza and RSV seasons in Southern Nevada.

Human parainfluenza virus-1 (HPIV-1) has been detected in seven of the last nine weeks. HPIV-1 is most often associated with croup (laryngotracheobronchitis) in children.