

# SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: December 26, 2013

*All Sentinel Sites, Through the Week Ending December 21, 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 December 21, 2013, the following viruses were identified through PEWSS with a moderate volume of testing (Fig. 1): Influenza A, Human Metapneumovirus, Parainfluenza 1 and RSV.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS:  
Parainfluenza 1 has been circulating at low levels.  
Influenza A, Human Metapneumovirus and RSV have been sporadically identified.  
Influenza B, Adenovirus, 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
	11/23		11/30		12/7		12/14		12/21		
	n	%	n	%	n	%	n	%	n	%	
All negative	5	42%	3	75%	2	50%	11	58%	4	29%	
Influenza A Positive	1	8%	0	0%	0	0%	3	16%	4	29%	Sporadic
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%	0	0%	Not Detected
Human Metapneumovirus Positive	0	0%	0	0%	1	25%	3	16%	2	14%	Sporadic
Parainfluenza 1 Positive	3	25%	1	25%	1	25%	2	11%	2	14%	Low
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	3	25%	0	0%	0	0%	0	0%	3	21%	Sporadic
Co-infections	0	0%	0	0%	0	0%	0	0%	1	7%	
Specimens Tested	12	-	4	-	4	-	19	-	14	-	Moderate Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	11/23		11/30		12/7		12/14		12/21		n	%
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	1	100%	0	-	0	-	3	100%	4	100%	8	100%
Influenza A H1	0	0%	0	-	0	-	0	0%	0	0%	0	0%
Influenza A H3	0	0%	0	-	0	-	0	0%	0	0%	0	0%

**Figure 1 - Weekly Number of Specimens Tested**

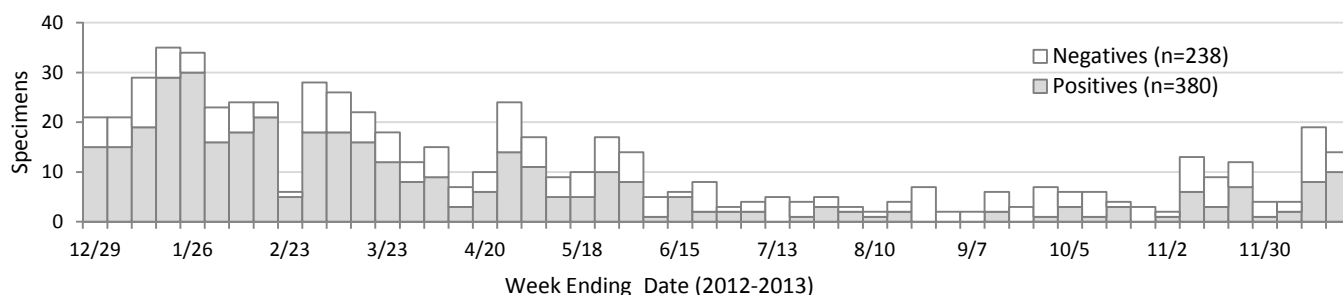
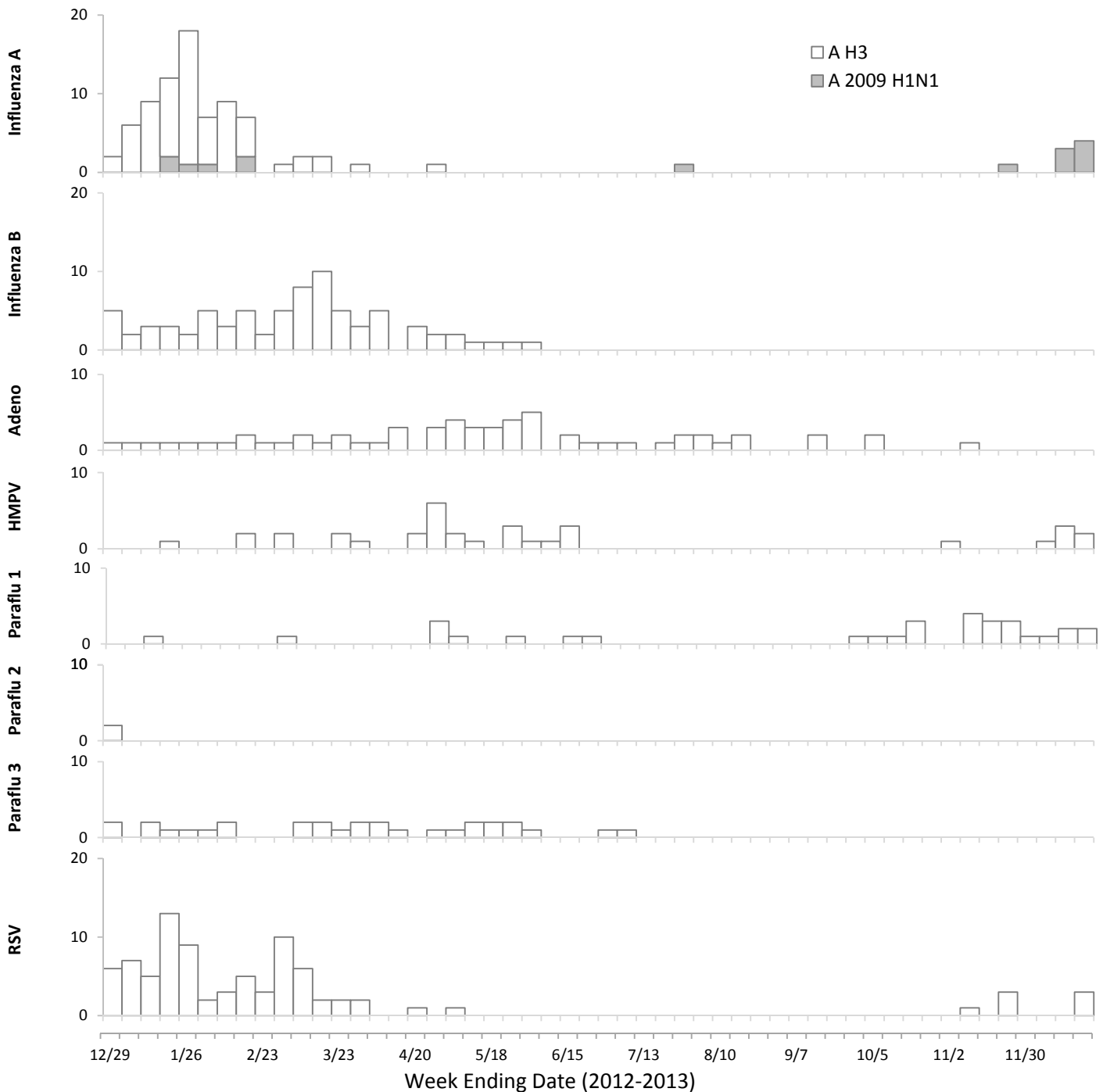


Figure 2. Weekly Positive Counts for Organisms Tested



**Other News and Information**

All influenza A detected by PEWSS this flu season has been subtype 2009 H1N1.

Respiratory syncytial virus (RSV) and human metapneumovirus (hMPV) generally have similar circulation periods, with peak circulation of RSV often occurring before hMPV. RSV infection most commonly causes a cold-like illness, but it can also cause bronchitis and croup. About 25% to 40% of infants and young children infected with RSV will show signs of lower respiratory symptoms like pneumonia or bronchiolitis. Symptomatic RSV infections may also occur in adults, particularly in healthcare workers or caretakers of small children.