

# SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: January 15, 2014

All Sentinel Sites, Through the Week Ending January 11, 2014

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 January 11, 2014, the following viruses were identified through PEWSS with a moderate volume of testing (Fig. 1): Influenza A, Adenovirus, Human Metapneumovirus and RSV.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS:  
Influenza A and Human Metapneumovirus have been circulating at high levels.  
Adenovirus, 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		
	12/14		12/21		12/28		1/4			1/11	
	n	%	n	%	n	%	n	%		n	%
All negative	11	58%	4	29%	0	0%	5	45%	7	39%	
Influenza A Positive	3	16%	4	29%	4	36%	2	18%	6	33%	High
Influenza B Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Adenovirus Positive	0	0%	0	0%	0	0%	1	9%	1	6%	Sporadic
Human Metapneumovirus Positive	3	16%	2	14%	5	45%	4	36%	2	11%	High
Parainfluenza 1 Positive	2	11%	2	14%	1	9%	0	0%	0	0%	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%	3	21%	1	9%	0	0%	2	11%	Sporadic
Co-infections	0	0%	1	7%	0	0%	1	9%	0	0%	
Specimens Tested	19	-	14	-	11	-	11	-	18	-	Moderate Volume

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

Influenza A Typing (% of influenza A)	Week Ending								5-Week Totals			
	12/14		12/21		12/28		1/4		1/11		n	%
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	3	100%	4	100%	4	100%	2	100%	5	83%	18	95%
Influenza A H1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Influenza A H3	0	0%	0	0%	0	0%	0	0%	1	17%	1	5%

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

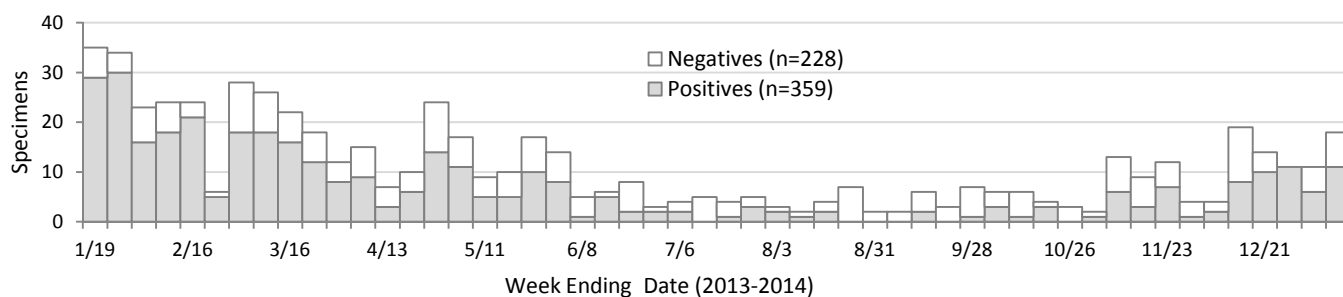
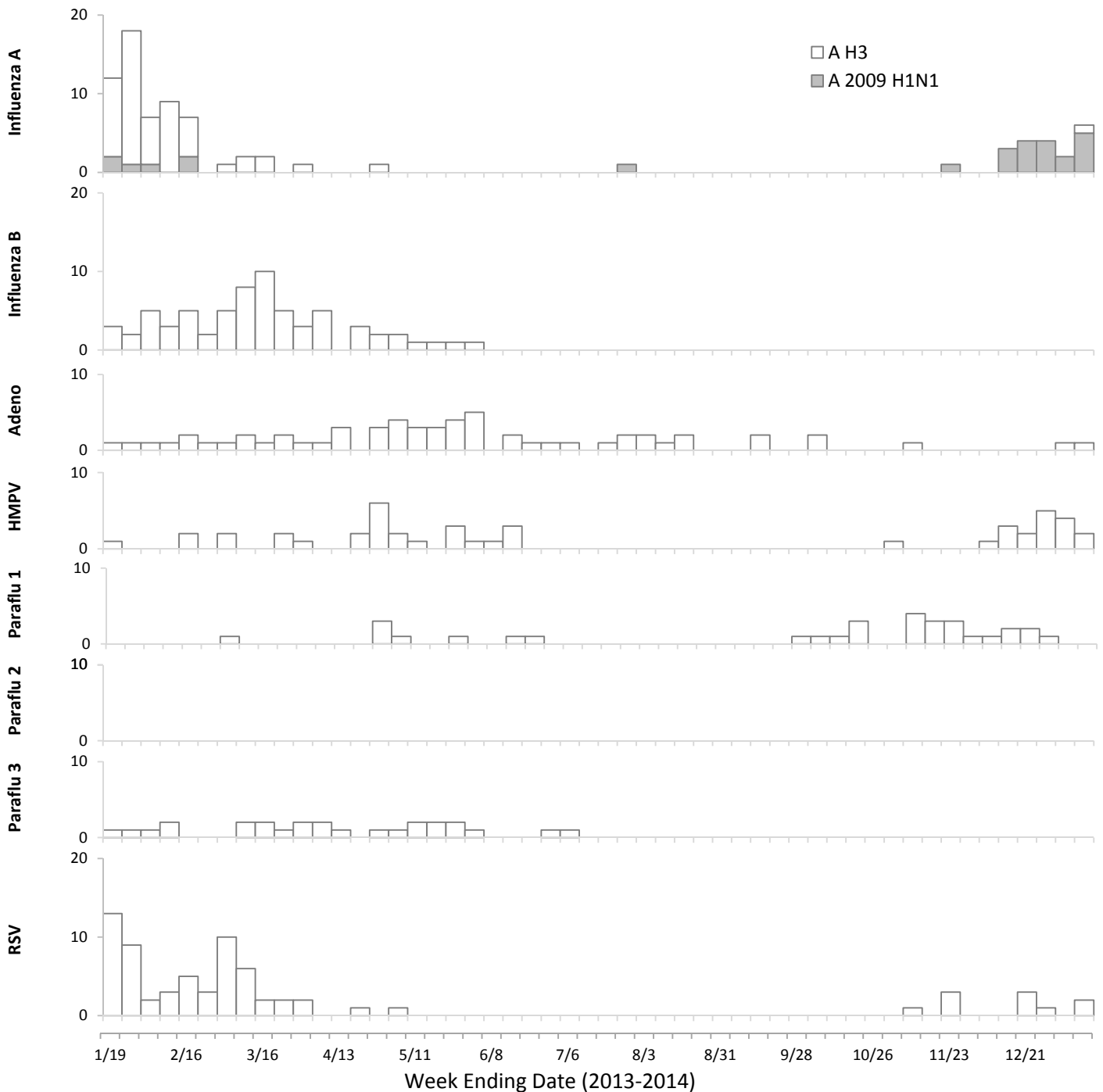


Figure 2. Weekly Positive Counts for Organisms Tested



**Other News and Information**

Influenza A is circulating at high level in Southern Nevada. This week, PEWSS detected both flu A 2009 H1N1 and flu A H3, which are strains that are included in the 2013-2014 flu vaccines. It is recommended that everyone > 6 months of age get a yearly flu vaccination.

Human Metapneumovirus (hMPV) is also circulating at high level this week. hMPV often circulates at the same time as RSV, and can cause upper respiratory tract infections such as colds, and lower respiratory tract infections such as pneumonia or bronchitis.