

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: January 02, 2014

All Sentinel Sites, Through the Week Ending December 28, 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 28, 2013, the following viruses were identified through PEWSS with a low 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: Human Metapneumovirus and Parainfluenza 1 have been circulating at low levels. Influenza A 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
	11/30		12/7		12/14		12/21		12/28		
	n	%	n	%	n	%	n	%	n	%	
All negative	3	75%	2	50%	11	58%	4	29%	0	0%	Sporadic Not Detected Not Detected Low Low Not Detected Not Detected Sporadic Low Volume
Influenza A Positive	0	0%	0	0%	3	16%	4	29%	4	36%	
Influenza B Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Adenovirus Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Human Metapneumovirus Positive	0	0%	1	25%	3	16%	2	14%	5	45%	
Parainfluenza 1 Positive	1	25%	1	25%	2	11%	2	14%	1	9%	
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 3 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
RSV Positive	0	0%	0	0%	0	0%	3	21%	1	9%	
Co-infections	0	0%	0	0%	0	0%	1	7%	0	0%	
Specimens Tested	4	-	4	-	19	-	14	-	11	-	

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	11/30		12/7		12/14		12/21		12/28			
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	0	-	0	-	3	100%	4	100%	4	100%	11	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

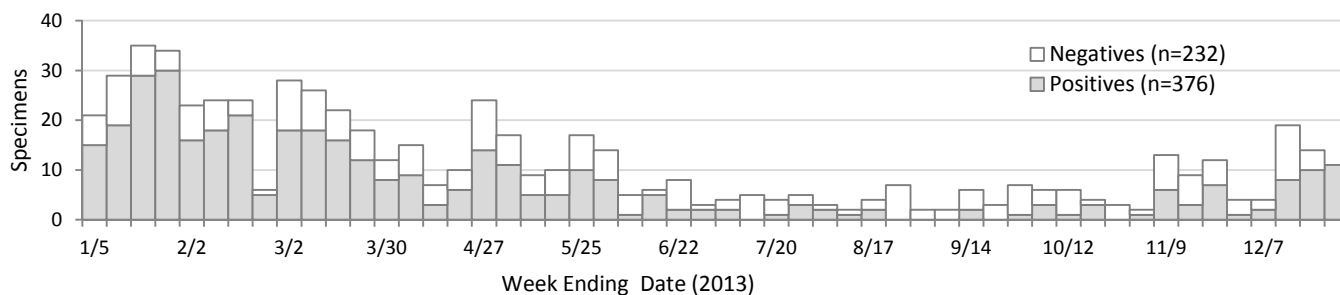
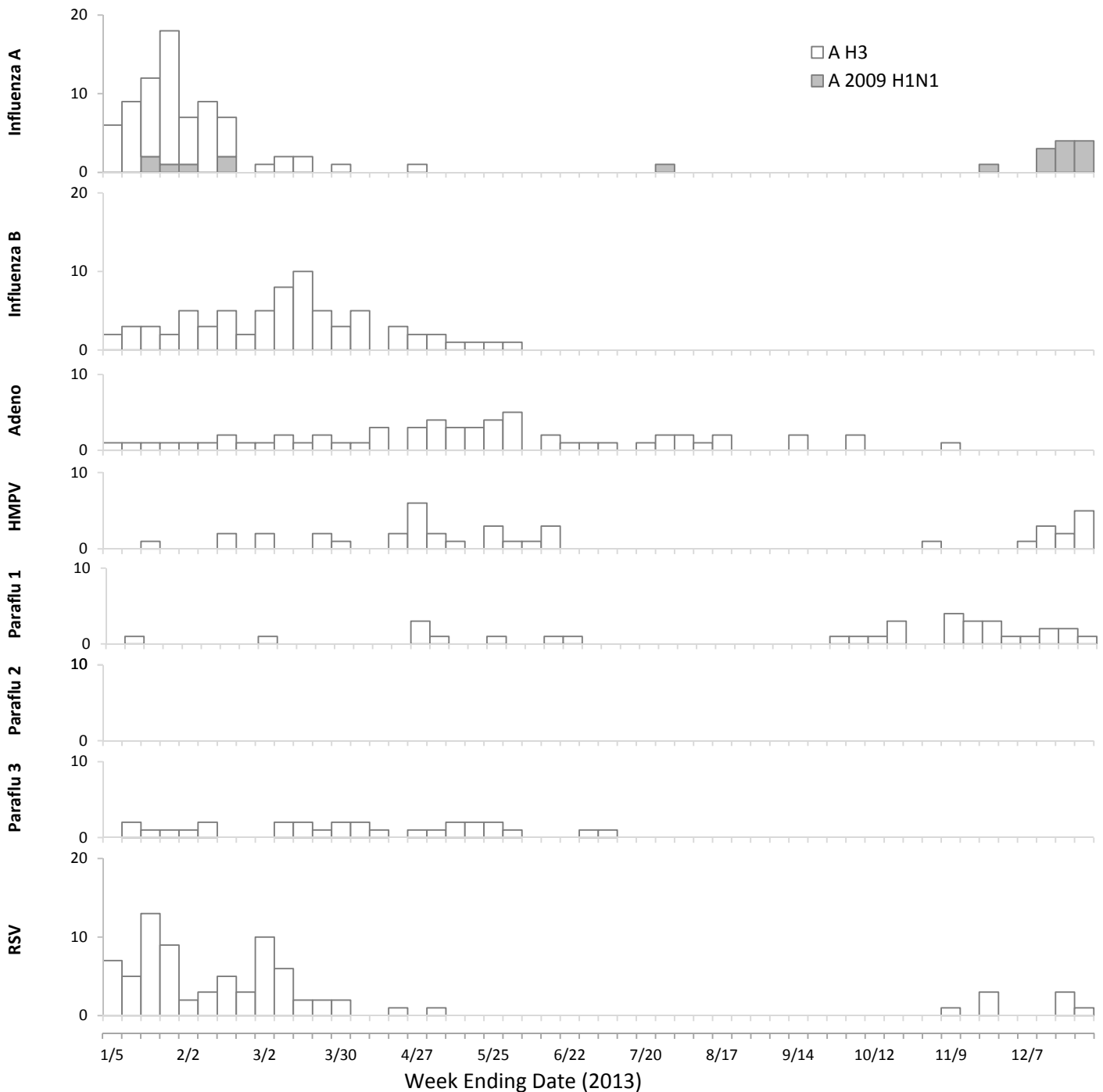


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

The only influenza virus PEWSS has detected since October 1, 2013 is 2009 H1N1 (Fig. 2). The Centers for Disease Control and Prevention reports that all 2009 H1N1 viruses tested by U.S. laboratories this flu season were characterized as A/California/7/2009-like, the influenza A (H1N1) component of the 2013-2014 Northern Hemisphere influenza vaccine.

While flu is circulating in the community, receiving the yearly flu vaccine is the best way to prevent a flu infection.