

# SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: November 06, 2013

All Sentinel Sites, Through the Week Ending November 02, 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 at the SNHD Office of Epidemiology at 702.759.1300.

## General Update

During the week ending November 02, 2013, the following virus was identified through PEWSS with a low volume of testing (Fig. 1): Human Metapneumovirus.

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

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

PCR Testing Results	Week Ending										Past 5 Weeks Circulation Levels
	10/5		10/12		10/19		10/26		11/2		
	n	%	n	%	n	%	n	%	n	%	
All negative	3	50%	5	83%	1	25%	2	100%	1	50%	
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	2	33%	0	0%	0	0%	0	0%	0	0%	Sporadic
Human Metapneumovirus Positive	0	0%	0	0%	0	0%	0	0%	1	50%	Sporadic
Parainfluenza 1 Positive	1	17%	1	17%	3	75%	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%	0	0%	0	0%	0	0%	0	0%	Not Detected
Co-infections	0	0%	0	0%	0	0%	0	0%	0	0%	
Specimens Tested	6	-	6	-	4	-	2	-	2	-	Low Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	10/5		10/12		10/19		10/26		11/2			
	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**

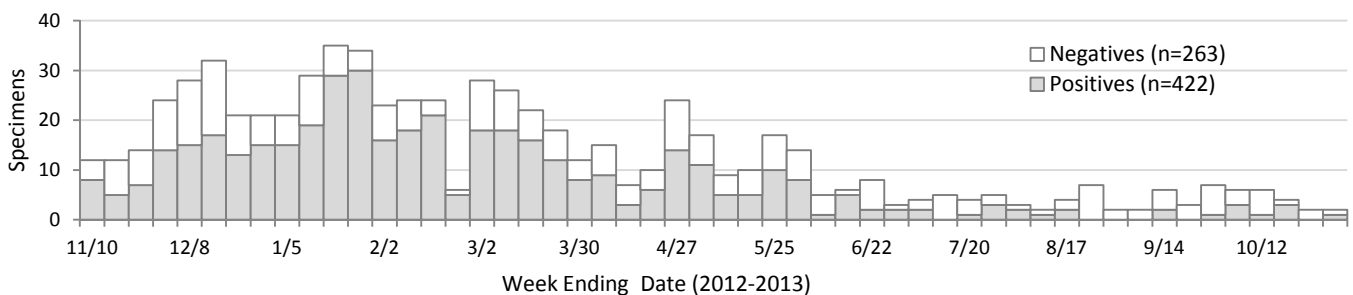
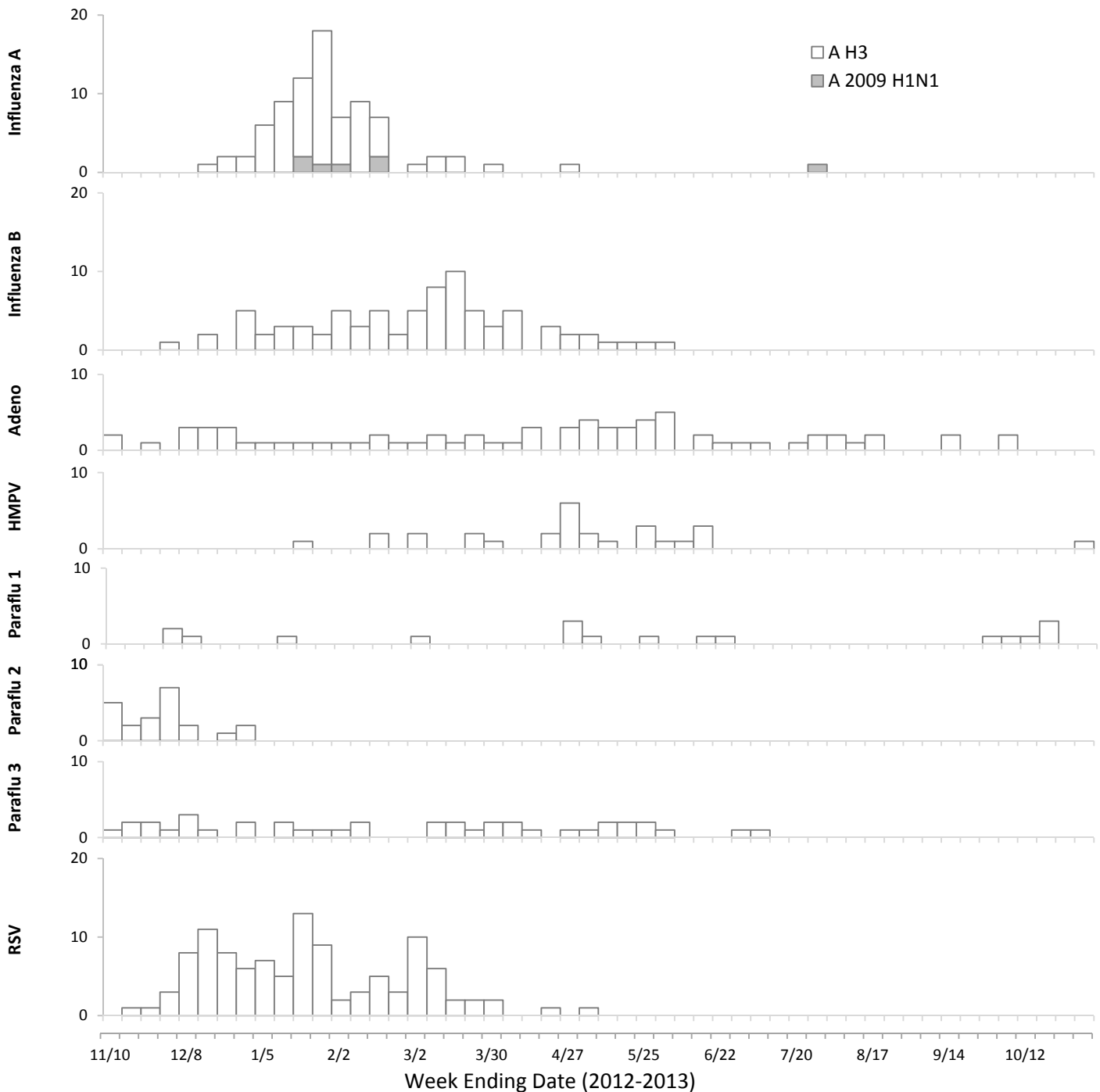


Figure 2. Weekly Positive Counts for Organisms Tested



**Other News and Information**

Except for some subtle differences, the clinical manifestations of human metapneumovirus (hMPV)- and RSV-associated infections in children are similar. hMPV and RSV are major pathogens associated with hospitalization of children, but children with symptomatic hMPV infection are slightly older than those infected with RSV [1]. Also, hMPV is increasingly being recognized as a significant cause of disease in the elderly and those who are immunocompromised.

1. Akhras N, et al. Infectious Disease Reports 2010;2:35-39