

# SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: November 14, 2012

All Reporting Sites, Through the Week Ending November 10, 2012

The 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 the SNHD Office of Epidemiology at 702.759.1300.

## General Update

During the week ending November 10, 2012, the following viruses were identified through PEWSS with a low volume of testing (Fig. 1): Adenovirus, Parainfluenza 2 and Parainfluenza 3.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS: Parainfluenza 2 has been circulating at low levels.

Influenza A, Adenovirus, Parainfluenza 3 and RSV have been sporadically identified.

Influenza B, Human Metapneumovirus and Parainfluenza 1 have not been identified.

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

PCR Testing Results	Week Ending										Past 5 Weeks Circulation Levels
	10/13		10/20		10/27		11/3		11/10		
	n	%	n	%	n	%	n	%	n	%	
All negative	7	64%	5	71%	14	64%	1	10%	4	33%	Sporadic Not Detected Sporadic Not Detected Not Detected Low Sporadic Sporadic
Influenza A Positive	0	0%	0	0%	0	0%	1	10%	0	0%	
Influenza B Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Adenovirus Positive	0	0%	0	0%	1	5%	1	10%	2	17%	
Human Metapneumovirus Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 1 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 2 Positive	3	27%	1	14%	4	18%	2	20%	5	42%	
Parainfluenza 3 Positive	0	0%	0	0%	2	9%	4	40%	1	8%	
RSV Positive	0	0%	1	14%	1	5%	1	10%	0	0%	
Co-infections	0	0%	0	0%	0	0%	0	0%	0	0%	
Specimens Tested	11	-	7	-	22	-	10	-	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	
	10/13		10/20		10/27		11/3		11/10			
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	0	-	0	-	0	-	0	0%	0	-	0	0%
Influenza A H1	0	-	0	-	0	-	0	0%	0	-	0	0%
Influenza A H3	0	-	0	-	0	-	1	100%	0	-	1	100%

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

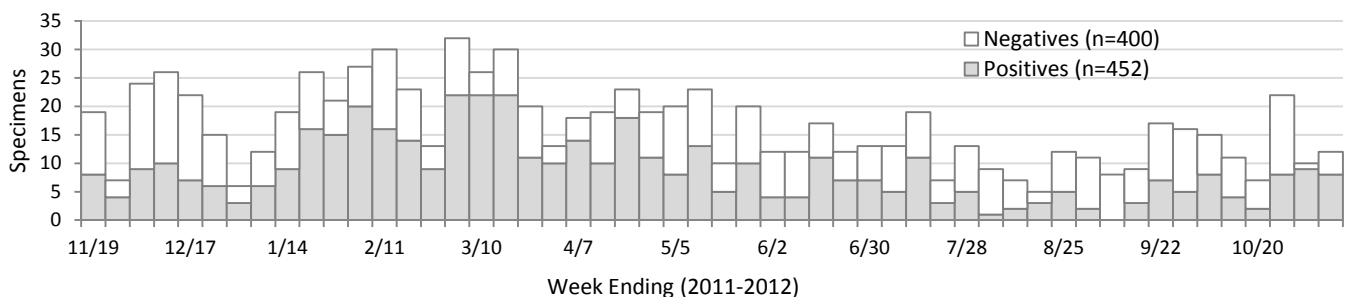
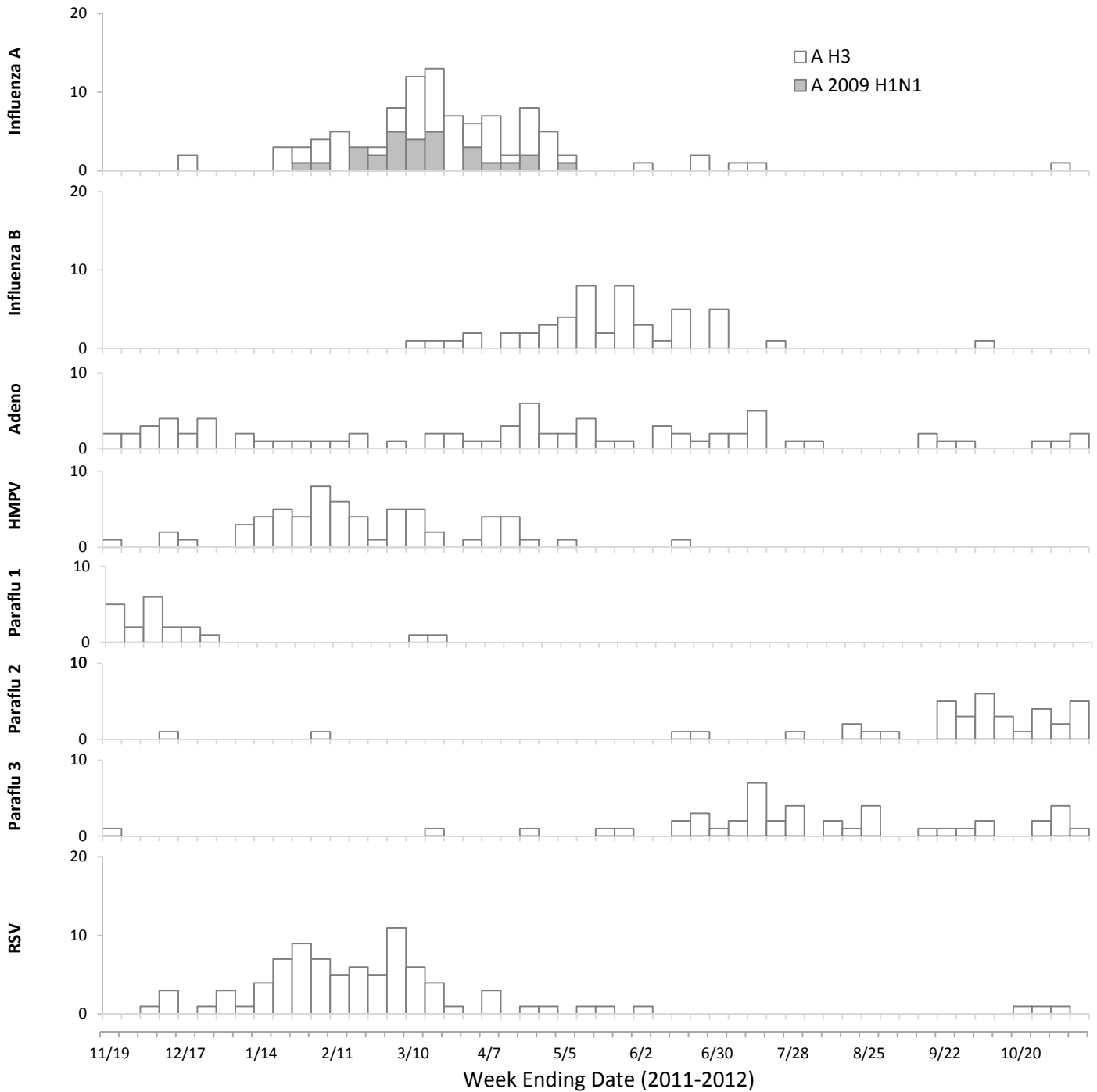


Figure 2. Weekly Positive Counts for Organisms Tested



**Other News and Information**

Adenoviruses (Table 1; Figure 2) most commonly cause respiratory illness, with symptoms ranging from the common cold to pneumonia, croup, and bronchitis. Different types of adenoviruses can also cause gastroenteritis, conjunctivitis, cystitis, and less commonly, neurological disease. Infants and people with weakened immune systems are at high risk for severe complications of adenovirus infection.

Human parainfluenza virus (HPIV) -2 and HPIV-3 continue to circulate in Southern Nevada (Table 1; Figure 2). The most distinctive clinical feature of HPIV-2 is croup in infants and young children, while HPIV-3 is more often associated with bronchiolitis and pneumonia.