

# SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: November 07, 2012

All Reporting Sites, Through the Week Ending November 03, 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 03, 2012, the following viruses were identified through PEWSS with a low volume of testing (Fig. 1): Influenza A, Adenovirus, Parainfluenza 2, Parainfluenza 3 and RSV.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS: Parainfluenza 2 has been circulating at high levels. Influenza A, Influenza B, Adenovirus, Parainfluenza 3 and RSV have been sporadically identified. 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
	10/6		10/13		10/20		10/27		11/3		
	n	%	n	%	n	%	n	%	n	%	
All negative	7	47%	7	64%	5	71%	14	64%	1	10%	
Influenza A Positive	0	0%	0	0%	0	0%	0	0%	1	10%	Sporadic
Influenza B Positive	1	7%	0	0%	0	0%	0	0%	0	0%	Sporadic
Adenovirus Positive	0	0%	0	0%	0	0%	1	5%	1	10%	Sporadic
Human Metapneumovirus Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Parainfluenza 1 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Parainfluenza 2 Positive	6	40%	3	27%	1	14%	4	18%	2	20%	High
Parainfluenza 3 Positive	2	13%	0	0%	0	0%	2	9%	4	40%	Sporadic
RSV Positive	0	0%	0	0%	1	14%	1	5%	1	10%	Sporadic
Co-infections	1	7%	0	0%	0	0%	0	0%	0	0%	
Specimens Tested	15	-	11	-	7	-	22	-	10	-	Low Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	10/6		10/13		10/20		10/27		11/3		n	%
	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	-	0	-	1	100%	1	100%

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

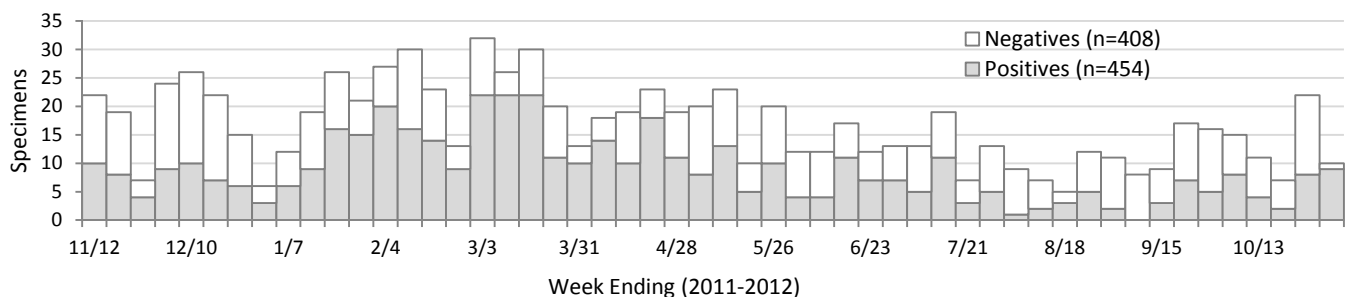
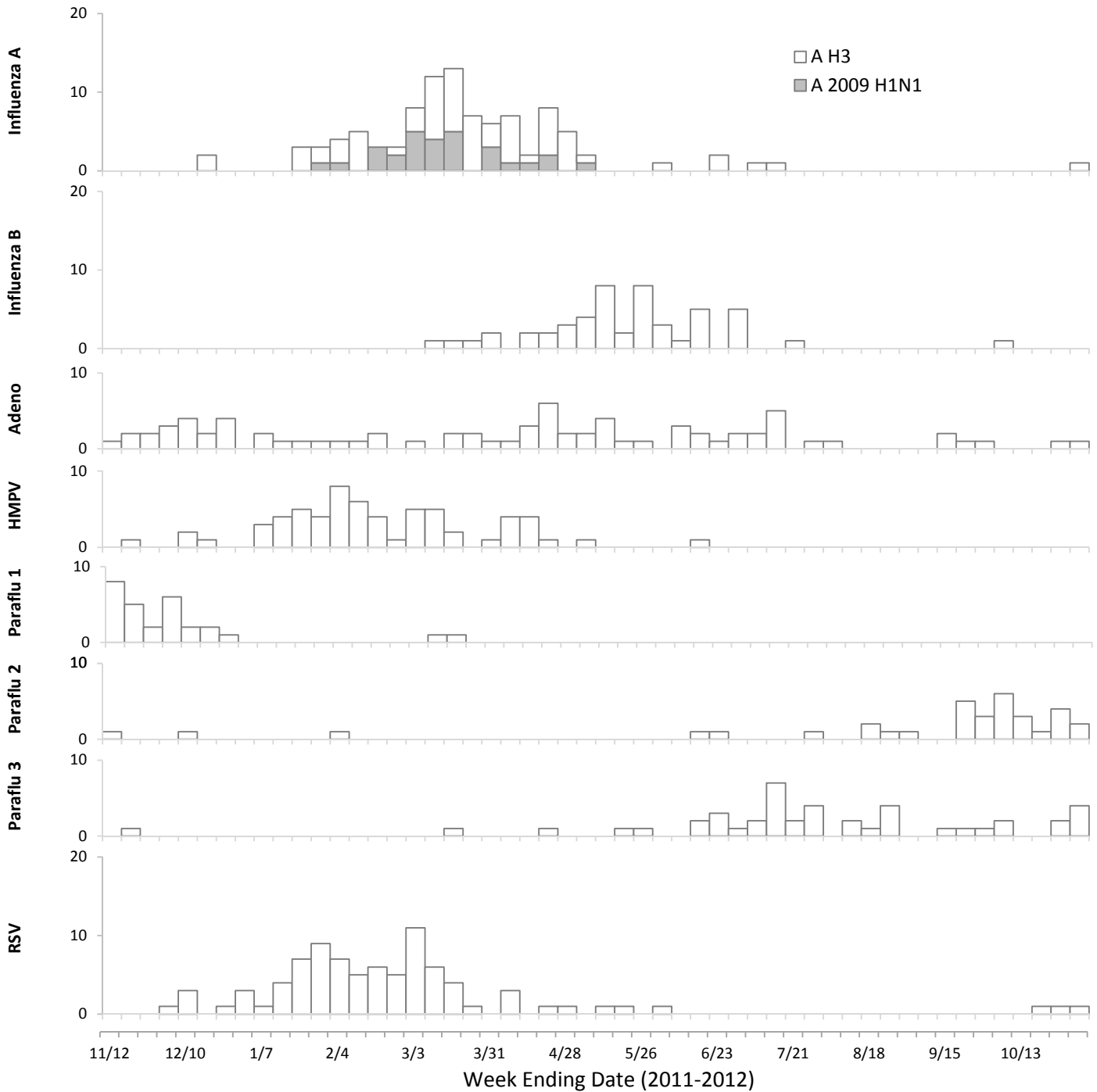


Figure 2. Weekly Positive Counts for Organisms Tested



**Other News and Information**

The detection of influenza A this surveillance period may signal the seasonal emergence of influenza in the community.

A high variety of respiratory viruses are currently circulating in Southern Nevada (Table 1; Fig. 2). Human parainfluenza virus (HPIV) -2 continues to circulate at a high level. The most distinctive clinical feature of HPIV-2 is croup in infants and young children, while HPIV-3 is more often associated with bronchiolitis (swelling of the small airways leading to the lungs) and pneumonia. All serotypes of HPIVs can cause repeated infections throughout life.