

# SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: October 24, 2012

All Reporting Sites, Through the Week Ending October 20, 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 October 20, 2012, the following viruses were identified through PEWSS with a low volume of testing (Fig. 1): Parainfluenza 2 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 B, Adenovirus, Parainfluenza 3 and RSV have been sporadically identified.

Influenza A, 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
	9/22		9/29		10/6		10/13		10/20		
	n	%	n	%	n	%	n	%	n	%	
All negative	10	59%	11	69%	7	47%	7	64%	5	71%	Not Detected Sporadic Sporadic Not Detected Not Detected High Sporadic Sporadic
Influenza A Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Influenza B Positive	0	0%	0	0%	1	7%	0	0%	0	0%	
Adenovirus Positive	1	6%	1	6%	0	0%	0	0%	0	0%	
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	5	29%	3	19%	6	40%	3	27%	1	14%	
Parainfluenza 3 Positive	1	6%	1	6%	2	13%	0	0%	0	0%	
RSV Positive	0	0%	0	0%	0	0%	0	0%	1	14%	
Co-infections	0	0%	0	0%	1	7%	0	0%	0	0%	
Specimens Tested	17	-	16	-	15	-	11	-	7	-	Low Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	9/22		9/29		10/6		10/13		10/20			
	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**

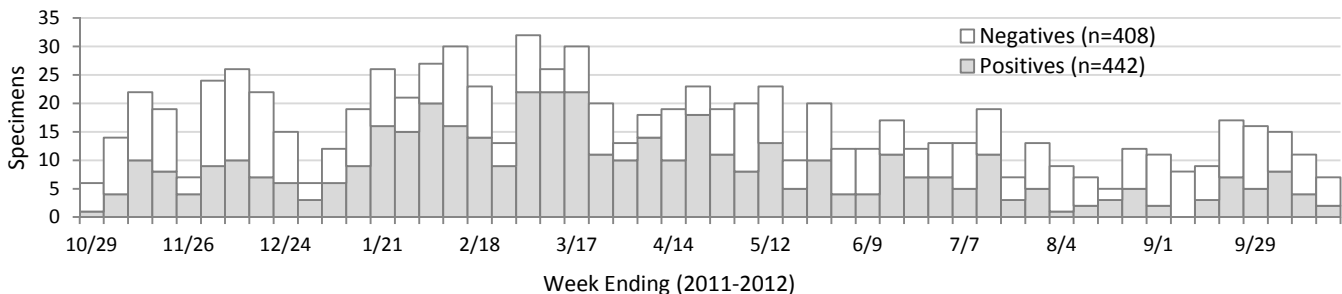
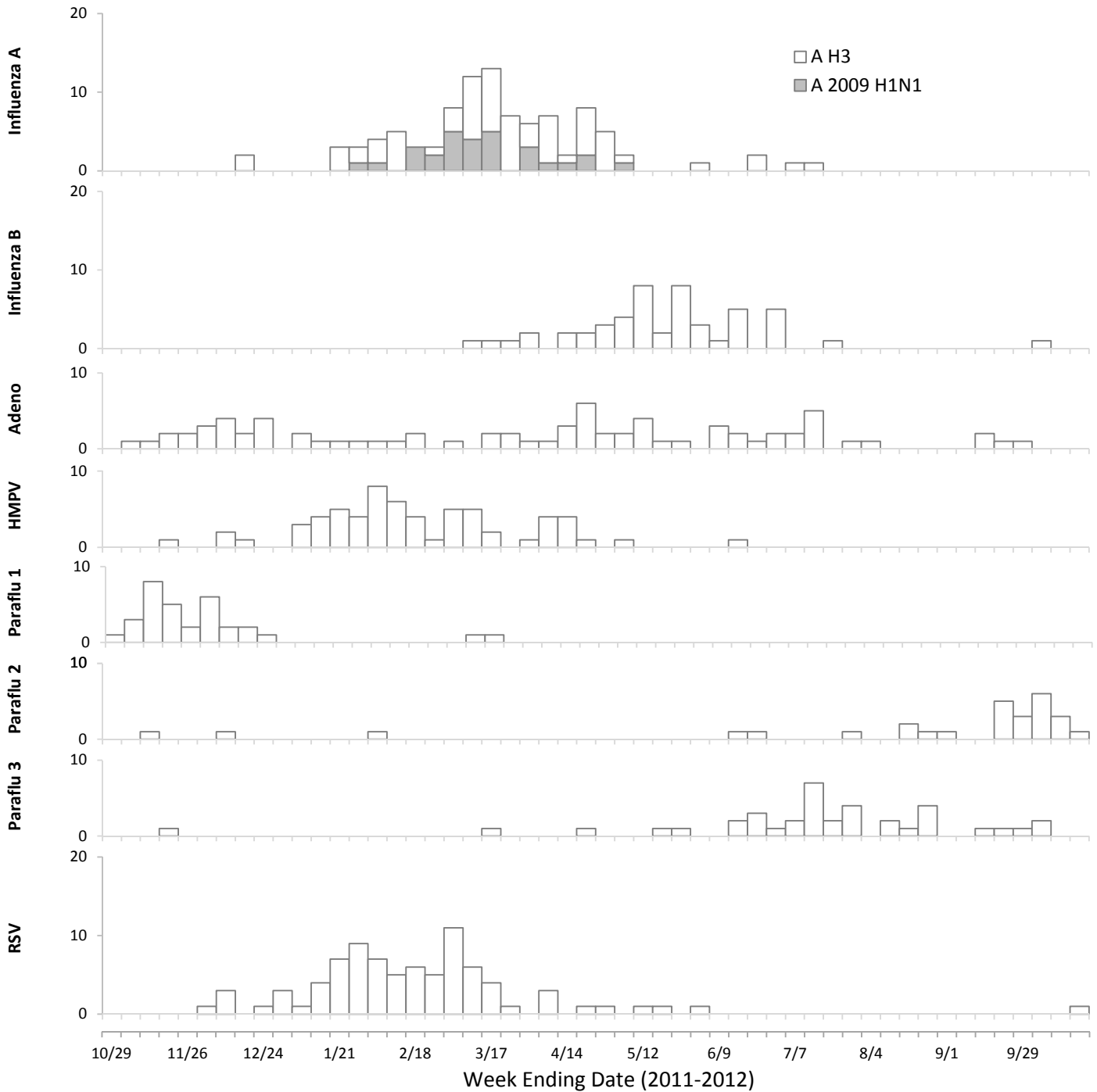


Figure 2. Weekly Positive Counts for Organisms Tested



**Other News and Information**

Human parainfluenza virus (HPIV) -2 is circulating at a high level in Southern Nevada (Table 1; Fig. 2). Outbreaks of HPIV-2 often occur annually or biennially in the fall season. The most distinctive clinical feature of HPIV-2 is croup in infants and young children. Among older adults and patients with compromised immune systems, HPIVs infections can also result in serious lower respiratory tract disease (e.g., pneumonia, bronchitis, and bronchiolitis).

The detection of RSV during this surveillance period may signal the seasonal emergence of this pathogen in the community.