

# SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: October 17, 2012

All Reporting Sites, Through the Week Ending October 13, 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 13, 2012, the following virus was identified through PEWSS with a low volume of testing (Fig. 1): Parainfluenza 2.

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.

Parainfluenza 3 has been circulating at low levels.

Influenza B and Adenovirus have been sporadically identified.

Influenza A, Human Metapneumovirus, Parainfluenza 1 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
	9/15		9/22		9/29		10/6		10/13		
	n	%	n	%	n	%	n	%	n	%	
All negative	6	67%	10	59%	11	69%	7	47%	7	64%	Not Detected Sporadic Sporadic Not Detected Not Detected High Low Not Detected
Influenza A Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Influenza B Positive	0	0%	0	0%	0	0%	1	7%	0	0%	
Adenovirus Positive	2	22%	1	6%	1	6%	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	0	0%	5	29%	3	19%	6	40%	3	27%	
Parainfluenza 3 Positive	1	11%	1	6%	1	6%	2	13%	0	0%	
RSV Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Co-infections	0	0%	0	0%	0	0%	1	7%	0	0%	
Specimens Tested	9	-	17	-	16	-	15	-	11	-	Low Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	9/15		9/22		9/29		10/6		10/13			
	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**

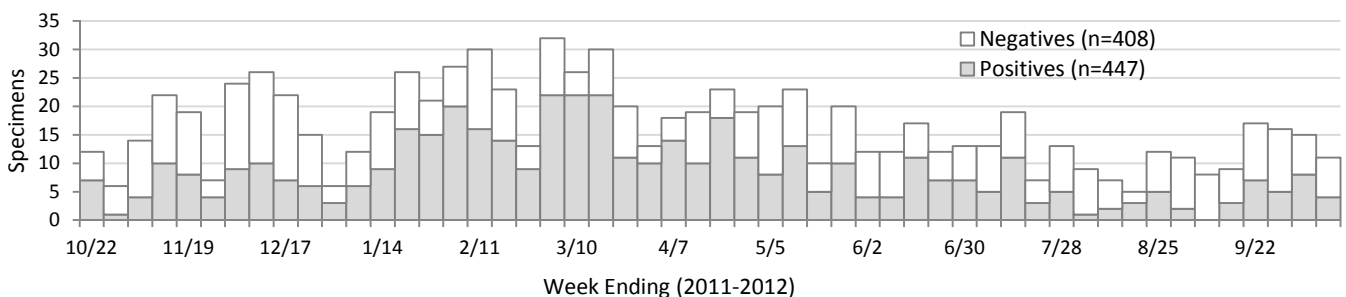
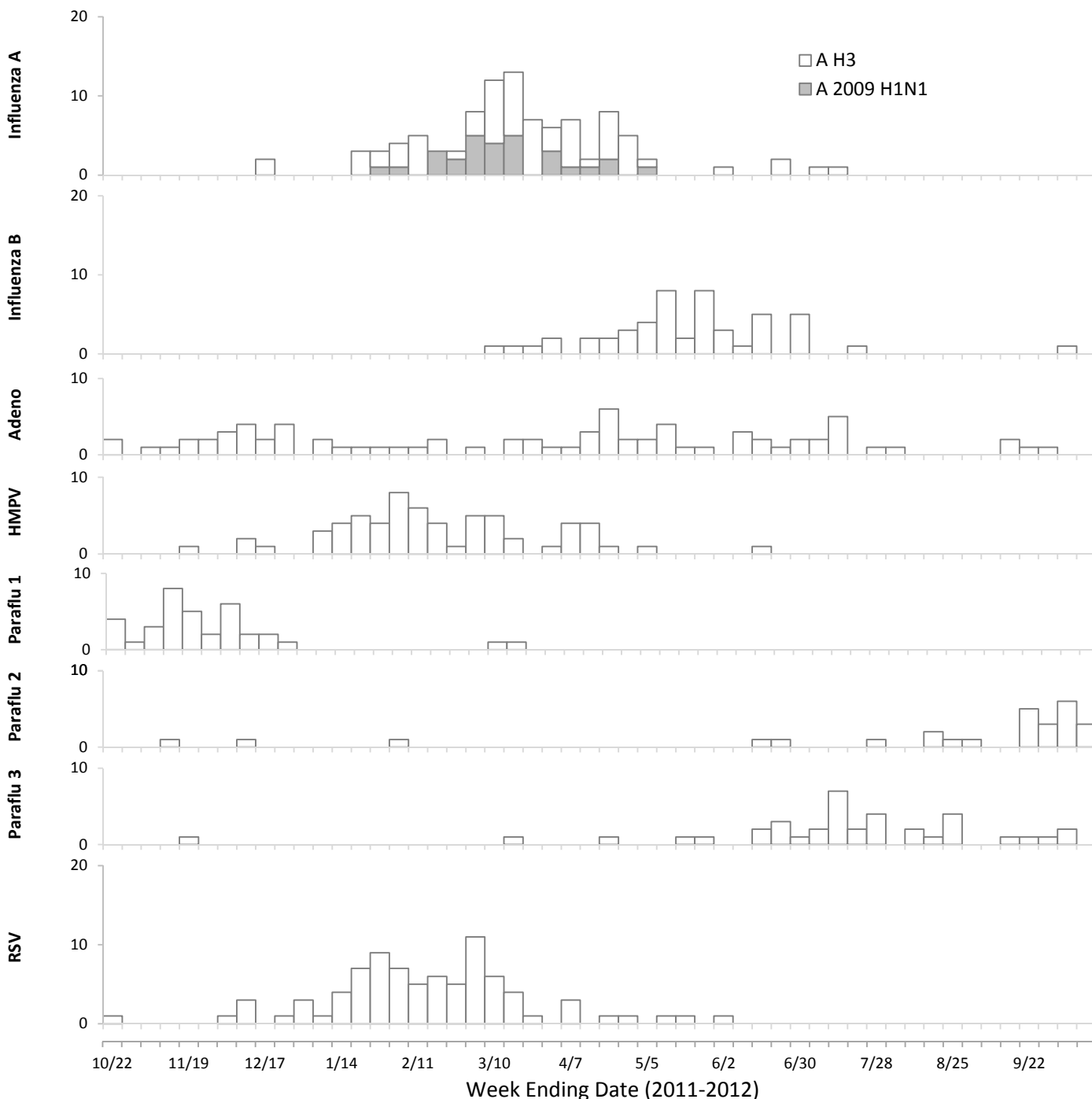


Figure 2. Weekly Positive Counts for Organisms Tested



**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 2012-2013 influenza vaccine is now available at the Southern Nevada Health District immunization clinics. See <http://www.southernnevadahealthdistrict.org/immunizations/flu-shots.php> for clinic locations and hours.