

# SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: August 01, 2012

All Reporting Sites, Through the Week Ending July 28, 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 July 28, 2012, the following viruses were identified through PEWSS with a moderate 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 3 has been circulating at high levels.

Adenovirus has been circulating at low levels.

Influenza A, Influenza B and Parainfluenza 2 have been sporadically identified.

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
	6/30		7/7		7/14		7/21		7/28		
	n	%	n	%	n	%	n	%	n	%	
All negative	6	46%	8	62%	8	42%	4	57%	8	62%	Sporadic Sporadic Low Not Detected Not Detected Sporadic High Not Detected
Influenza A Positive	0	0%	1	8%	1	5%	0	0%	0	0%	
Influenza B Positive	5	38%	0	0%	0	0%	1	14%	0	0%	
Adenovirus Positive	2	15%	2	15%	5	26%	0	0%	1	8%	
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%	0	0%	0	0%	0	0%	1	8%	
Parainfluenza 3 Positive	1	8%	2	15%	7	37%	2	29%	4	31%	
RSV Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Co-infections	1	8%	0	0%	2	11%	0	0%	1	8%	
Specimens Tested	13	-	13	-	19	-	7	-	13	-	Moderate Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	6/30		7/7		7/14		7/21		7/28		n	%
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	0	-	0	0%	0	0%	0	-	0	-	0	0%
Influenza A H1	0	-	0	0%	0	0%	0	-	0	-	0	0%
Influenza A H3	0	-	1	100%	1	100%	0	-	0	-	2	100%

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

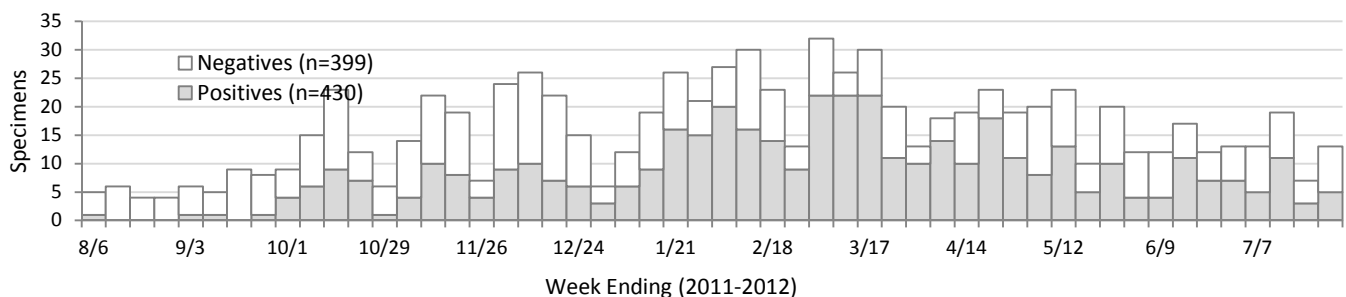
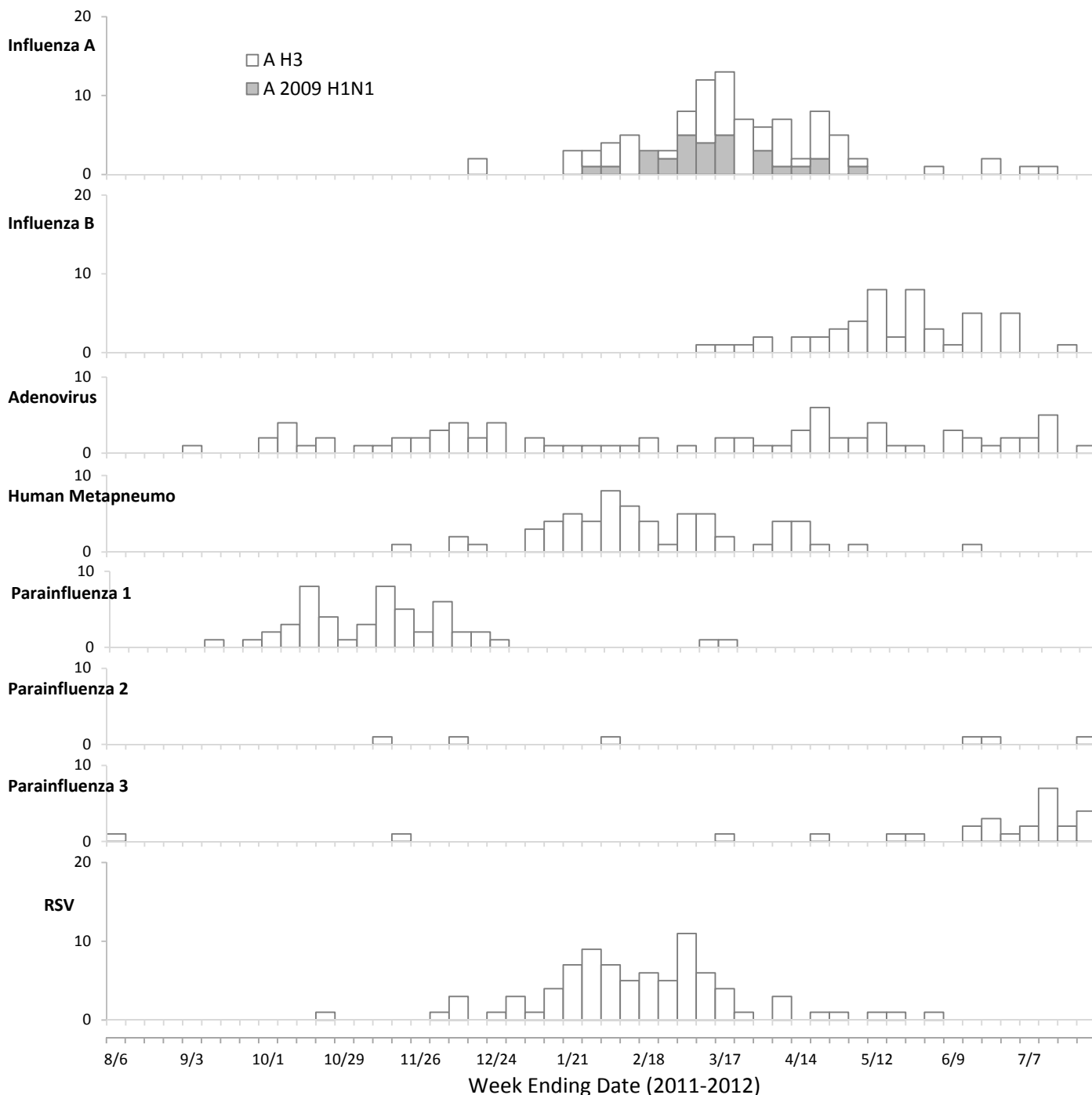


Figure 2. Weekly Positive Counts for Organisms Tested



**Other News and Information**

Human Parainfluenza Virus (HPIV)-3 is circulating at high levels in Southern Nevada (Table 1). HPIV-3 is often associated with bronchiolitis (swelling of the small airways leading to the lungs) and pneumonia. Although the virus can be isolated throughout the year, peak HPIV-3 activity tends to occur during seasons when HPIV-1 and HPIV-2 are absent (Fig. 2).

Reference: <http://www.cdc.gov/ncidod/dvrd/revb/respiratory/hpivfeat.htm>