

# SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: August 08, 2012

All Reporting Sites, Through the Week Ending August 04, 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 August 04, 2012, the following virus was identified through PEWSS with a low volume of testing (Fig. 1): Adenovirus.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS: Adenovirus and Parainfluenza 3 have 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
	7/7		7/14		7/21		7/28		8/4		
	n	%	n	%	n	%	n	%	n	%	
All negative	8	62%	8	42%	4	57%	8	62%	8	89%	
Influenza A Positive	1	8%	1	5%	0	0%	0	0%	0	0%	Sporadic
Influenza B Positive	0	0%	0	0%	1	14%	0	0%	0	0%	Sporadic
Adenovirus Positive	2	15%	5	26%	0	0%	1	8%	1	11%	Low
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	0	0%	0	0%	0	0%	1	8%	0	0%	Sporadic
Parainfluenza 3 Positive	2	15%	7	37%	2	29%	4	31%	0	0%	Low
RSV Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Co-infections	0	0%	2	11%	0	0%	1	8%	0	0%	
Specimens Tested	13	-	19	-	7	-	13	-	9	-	Low Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	7/7		7/14		7/21		7/28		8/4		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	1	100%	1	100%	0	-	0	-	0	-	2	100%

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

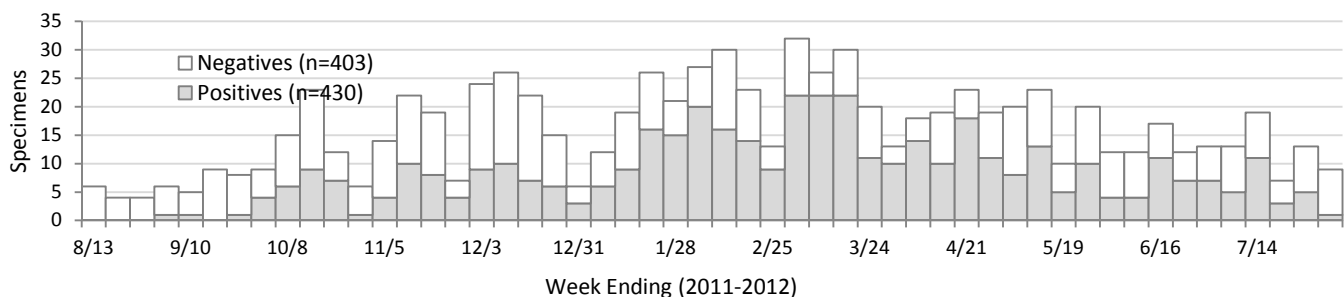
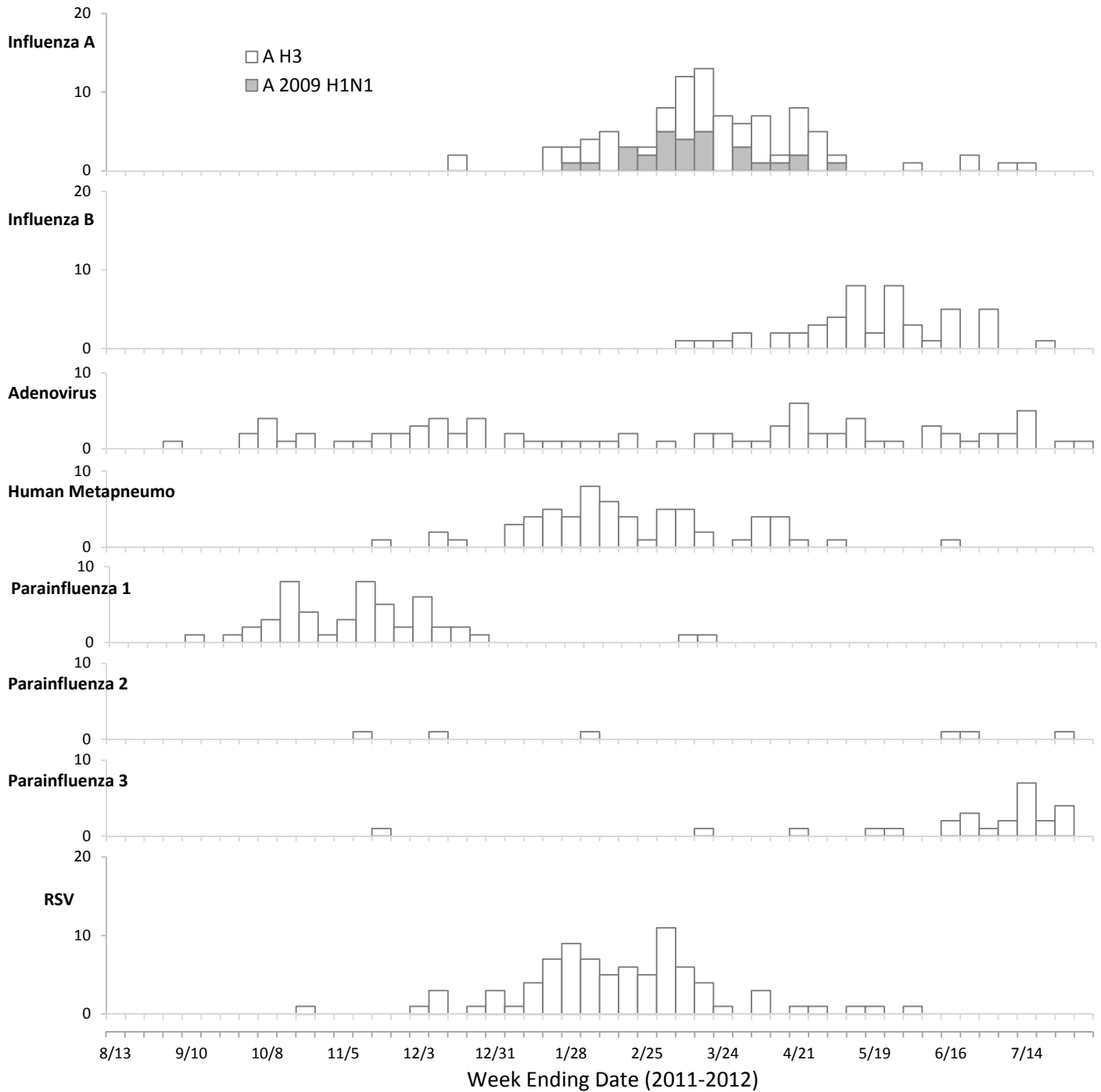


Figure 2. Weekly Positive Counts for Organisms Tested



**Other News and Information**

Adenovirus outbreaks are more common in late winter, spring, and early summer but can occur throughout the year (Fig. 2), and usually involve respiratory illnesses or conjunctivitis.

Health professionals should consider adenoviruses as a possible cause of severe pneumonia cases, and report unusual clusters of severe respiratory disease caused by adenoviruses to the Southern Nevada Health District.

Reference: <http://www.cdc.gov/adenovirus/outbreaks.html>