

# SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: July 03, 2013

All Sentinel Sites, Through the Week Ending June 29, 2013

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 Linh Nguyen, PhD at the SNHD Office of Epidemiology at 702.759.1300.

## General Update

During the week ending June 29, 2013, the following viruses were identified through PEWSS with a low volume of testing (Fig. 1): Adenovirus and Parainfluenza 3.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS: Adenovirus has been circulating at low levels.

Influenza B, Human Metapneumovirus, Parainfluenza 1 and Parainfluenza 3 have been sporadically identified. Influenza A, Parainfluenza 2 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
	6/1		6/8		6/15		6/22		6/29		
	n	%	n	%	n	%	n	%	n	%	
All negative	6	43%	4	80%	1	17%	6	75%	1	33%	Not Detected Sporadic Low Sporadic Sporadic Not Detected Sporadic Not Detected
Influenza A Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Influenza B Positive	1	7%	0	0%	0	0%	0	0%	0	0%	
Adenovirus Positive	5	36%	0	0%	2	33%	1	13%	1	33%	
Human Metapneumovirus Positive	1	7%	1	20%	3	50%	0	0%	0	0%	
Parainfluenza 1 Positive	0	0%	0	0%	1	17%	1	13%	0	0%	
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 3 Positive	1	7%	0	0%	0	0%	0	0%	1	33%	
RSV Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Co-infections	0	0%	0	0%	1	17%	0	0%	0	0%	
Specimens Tested	14	-	5	-	6	-	8	-	3	-	Low Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	6/1		6/8		6/15		6/22		6/29			
	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**

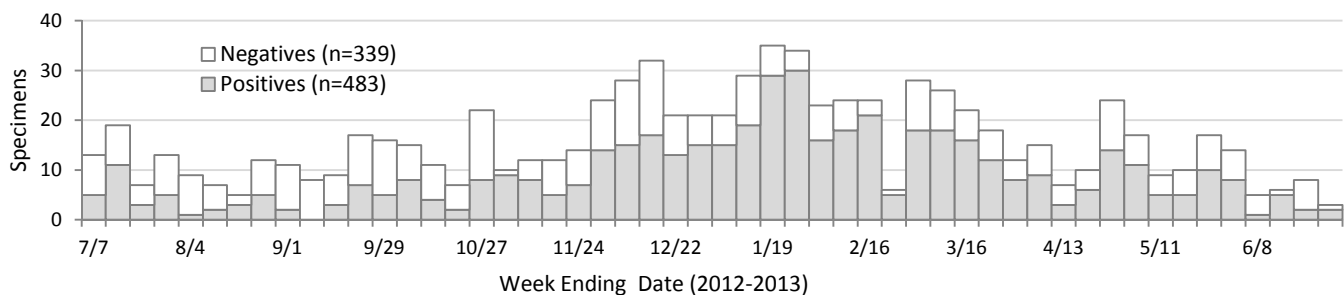
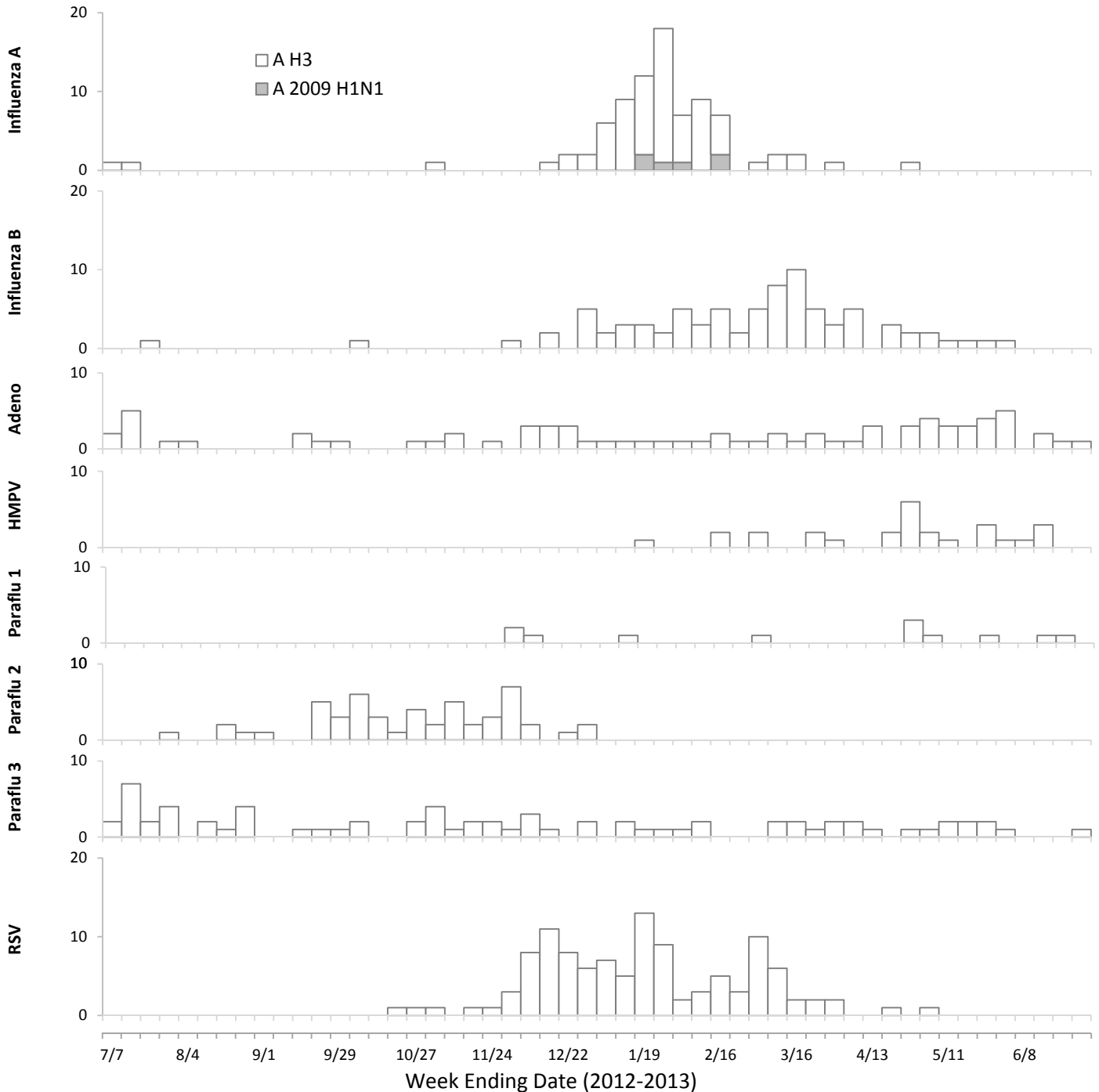


Figure 2. Weekly Positive Counts for Organisms Tested



**Other News and Information**

Human parainfluenza viruses (HPIVs) can cause severe lower respiratory illness, such as croup or laryngotracheobronchitis (swelling around the vocal chords and windpipe), bronchitis (swelling of the main air passages that connect the windpipe to the lungs), bronchiolitis (swelling in the smallest air passages in the lungs), and pneumonia. Young children are more likely to have severe illness, but older adults and people with weakened immune systems are also at risk.