

# SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: April 24, 2013

All Reporting Sites, Through the Week Ending April 20, 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 April 20, 2013, the following viruses were identified through PEWSS with a low volume of testing (Fig. 1): Influenza B, Human Metapneumovirus and RSV.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS:

Influenza B has been circulating at high levels.

Adenovirus and Parainfluenza 3 have been circulating at low levels.

Influenza A, Human Metapneumovirus and RSV have been sporadically identified.

Parainfluenza 1 and Parainfluenza 2 have not been identified.

**Table 1 - Testing Results, Current Week and Previous Four Weeks**

PCR Testing Results	Week Ending										Past 5 Weeks Circulation Levels
	3/23		3/30		4/6		4/13		4/20		
	n	%	n	%	n	%	n	%	n	%	
All negative	6	33%	4	33%	6	40%	4	57%	4	40%	Sporadic High Low Sporadic Not Detected Not Detected Low Sporadic
Influenza A Positive	0	0%	1	8%	0	0%	0	0%	0	0%	
Influenza B Positive	5	28%	3	25%	5	36%	0	0%	3	30%	
Adenovirus Positive	2	11%	1	8%	1	7%	3	43%	0	0%	
Human Metapneumovirus Positive	2	11%	1	8%	0	0%	0	0%	2	20%	
Parainfluenza 1 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 3 Positive	1	6%	2	17%	2	14%	1	14%	0	0%	
RSV Positive	2	11%	2	17%	0	0%	0	0%	1	10%	
Co-infections	0	0%	2	17%	0	0%	1	14%	0	0%	
Specimens Tested	18	-	12	-	15	-	7	-	10	-	Low Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	3/23		3/30		4/6		4/13		4/20			
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	0	-	0	0%	0	-	0	-	0	-	0	0%
Influenza A H1	0	-	0	0%	0	-	0	-	0	-	0	0%
Influenza A H3	0	-	1	100%	0	-	0	-	0	-	1	100%

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

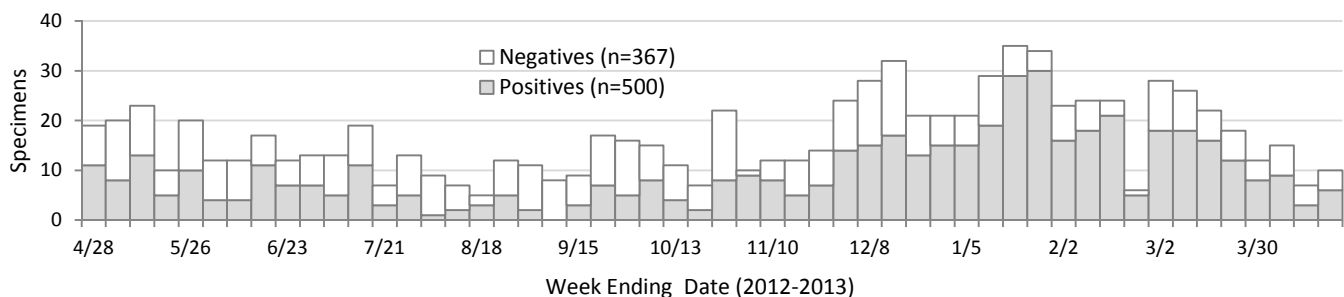
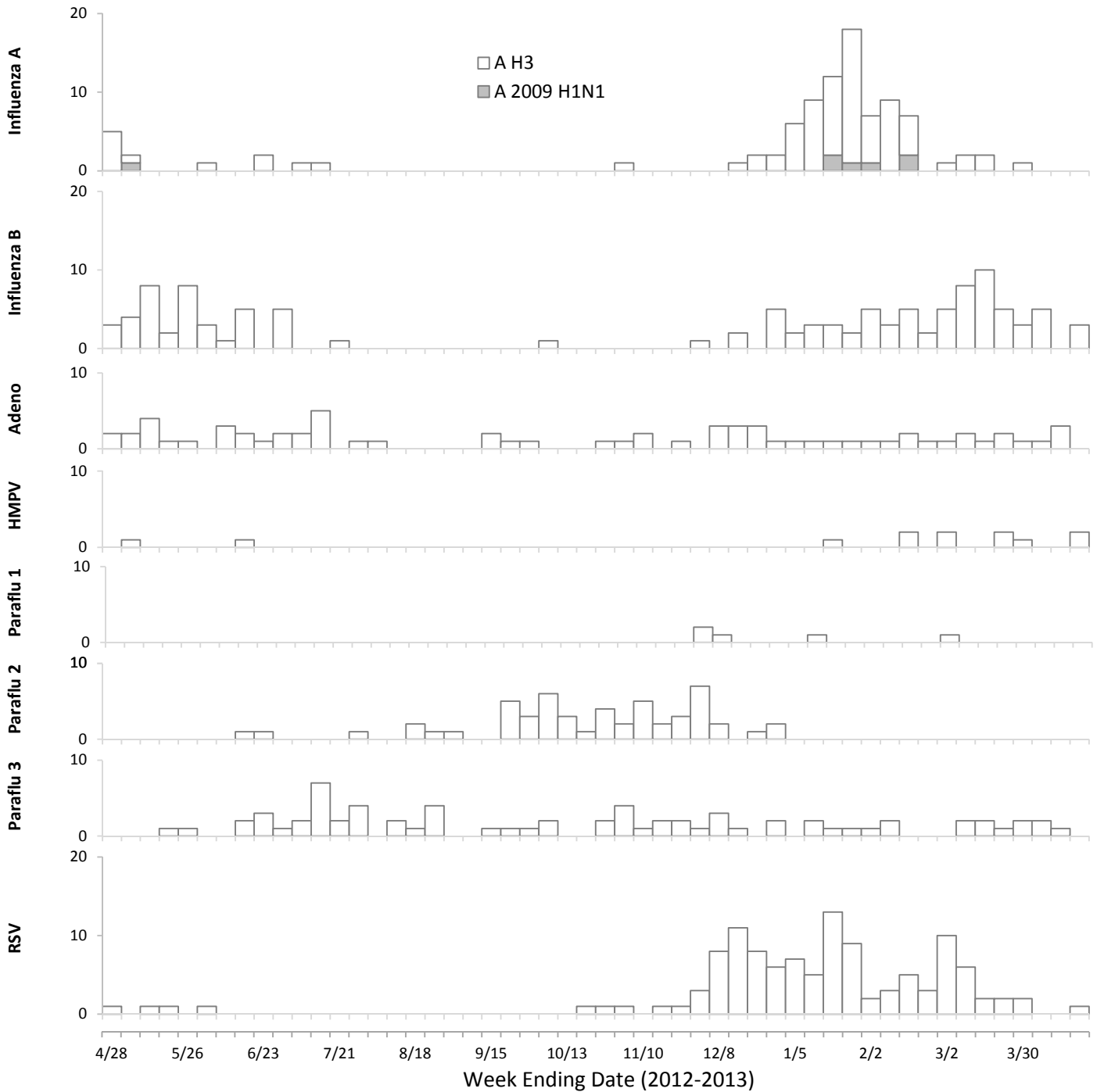


Figure 2. Weekly Positive Counts for Organisms Tested



**Other News and Information**

Influenza B continues to circulate at a high level in Southern Nevada (Table 1). Last year, PEWSS detected influenza A and B in the community as late as July (Fig. 2).

Influenza viruses that circulate widely among people worldwide during 2012-2013 include influenza A (H3N2), A 2009 (H1N1), and two genetic lineages of influenza B viruses (Yamagata and Victoria).