

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: June 06, 2013

All Sentinel Sites, Through the Week Ending June 01, 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 01, 2013, the following viruses were identified through PEWSS with a moderate volume of testing (Fig. 1): Influenza B, Adenovirus, Human Metapneumovirus 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 high levels.

Influenza B, Human Metapneumovirus and Parainfluenza 3 have been circulating at low levels.

Parainfluenza 1 and RSV have been sporadically identified.

Influenza A 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
	5/4		5/11		5/18		5/25		6/1		
	n	%	n	%	n	%	n	%	n	%	
All negative	6	35%	4	44%	5	50%	7	41%	6	43%	Not Detected Low High Low Sporadic Not Detected Low Sporadic Moderate Volume
Influenza A Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Influenza B Positive	2	12%	1	11%	1	10%	1	6%	1	7%	
Adenovirus Positive	4	24%	3	33%	3	30%	4	24%	5	36%	
Human Metapneumovirus Positive	2	12%	1	11%	0	0%	3	18%	1	7%	
Parainfluenza 1 Positive	1	6%	0	0%	0	0%	1	6%	0	0%	
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 3 Positive	1	6%	2	22%	2	20%	2	12%	1	7%	
RSV Positive	1	6%	0	0%	0	0%	0	0%	0	0%	
Co-infections	0	0%	1	11%	1	10%	1	6%	0	0%	
Specimens Tested	17	-	9	-	10	-	17	-	14	-	

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	5/4		5/11		5/18		5/25		6/1			
	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

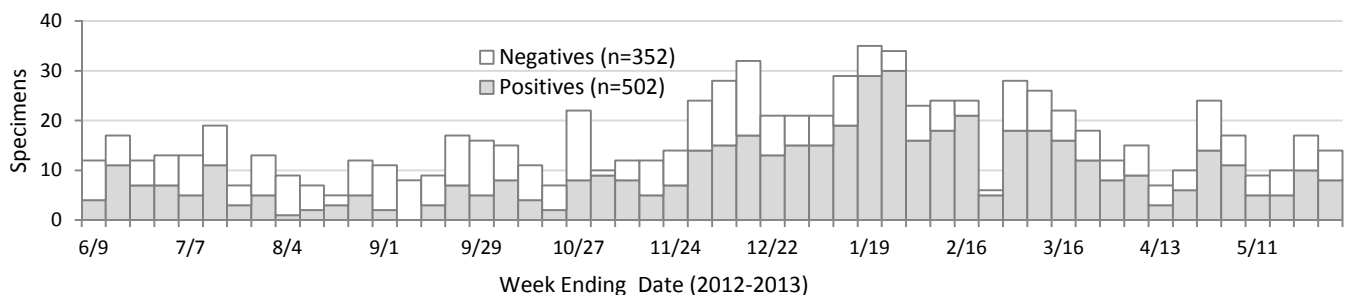
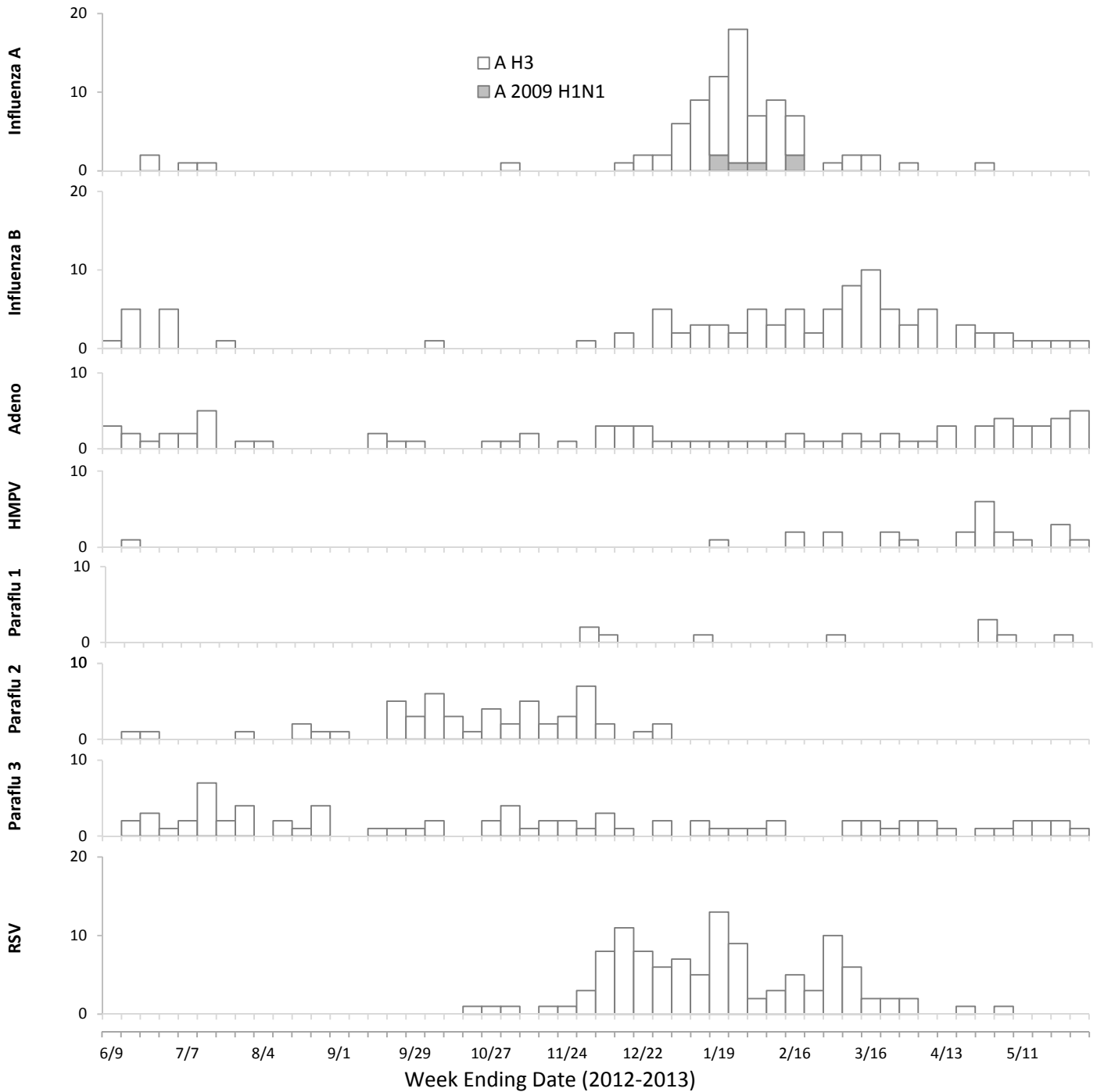


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

Although Adenovirus circulates at varying levels in Southern Nevada year round (Fig. 2), it is currently circulating at high level (Table 1). Adenovirus outbreaks are uncommon, and usually involve respiratory illnesses or conjunctivitis. Outbreaks are more common in late winter, spring, and early summer but can also occur throughout the year.

Influenza B is still present in our community. Last year, PEWSS detected influenza B as late as July (Fig. 2).