

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: May 22, 2013

All Sentinel Sites, Through the Week Ending May 18, 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 May 18, 2013, the following viruses were identified through PEWSS with a low volume of testing (Fig. 1): Influenza B, Adenovirus and Parainfluenza 3.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS: Influenza B, Adenovirus, Human Metapneumovirus and Parainfluenza 3 have been circulating at low levels. Influenza A, Parainfluenza 1 and RSV have been sporadically identified. Parainfluenza 2 has not been identified.

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

PCR Testing Results	Week Ending								Past 5 Weeks Circulation Levels		
	4/20		4/27		5/4		5/11			5/18	
	n	%	n	%	n	%	n	%		n	%
All negative	4	40%	10	42%	6	35%	4	44%	5	50%	Sporadic Low Low Low Sporadic Not Detected Low Sporadic Low Volume
Influenza A Positive	0	0%	1	4%	0	0%	0	0%	0	0%	
Influenza B Positive	3	30%	2	8%	2	12%	1	11%	1	10%	
Adenovirus Positive	0	0%	3	13%	4	24%	3	33%	3	30%	
Human Metapneumovirus Positive	2	20%	6	25%	2	12%	1	11%	0	0%	
Parainfluenza 1 Positive	0	0%	3	13%	1	6%	0	0%	0	0%	
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 3 Positive	0	0%	1	4%	1	6%	2	22%	2	20%	
RSV Positive	1	10%	0	0%	1	6%	0	0%	0	0%	
Co-infections	0	0%	2	8%	0	0%	1	11%	1	10%	
Specimens Tested	10	-	24	-	17	-	9	-	10	-	

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

Influenza A Typing (% of influenza A)	Week Ending								5-Week Totals			
	4/20		4/27		5/4		5/11				5/18	
	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

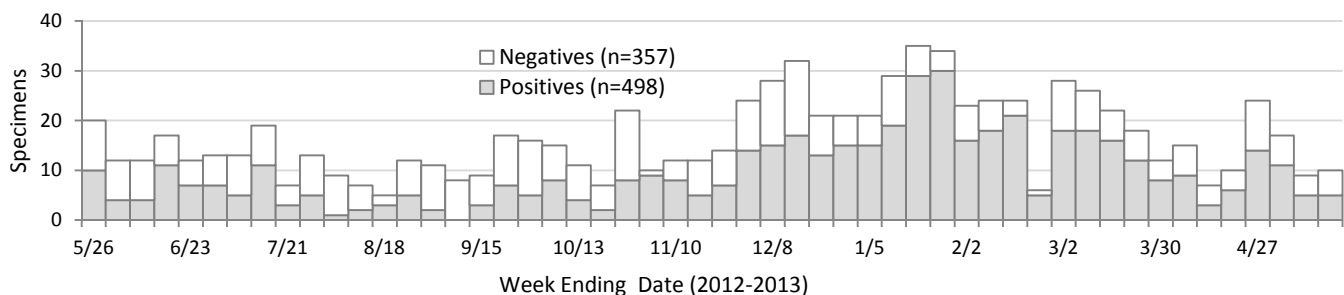
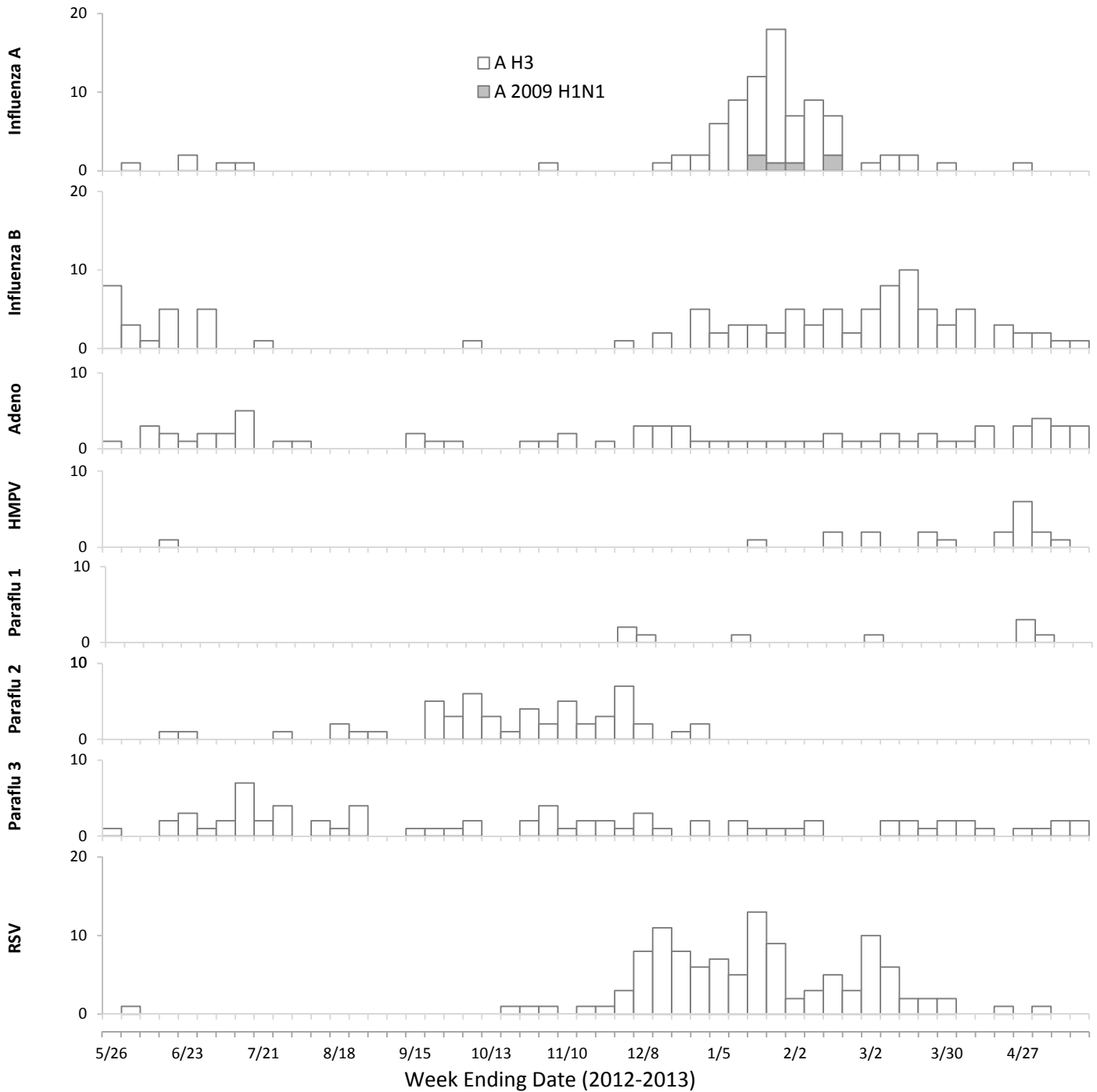


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

Influenza B (Table 1, Fig. 2) is still present in our community, and was detected as late as July last year.

Adenovirus and Parainfluenza 3 are currently present and appear to be circulating in Southern Nevada throughout the year (Fig. 2). Adenovirus outbreaks are uncommon, and usually involve respiratory illnesses or conjunctivitis. These outbreaks are more common in late winter, spring, and early summer but can occur throughout the year. Similarly, Parainfluenza 3 infections usually occur in spring and early summer months each year, but can occur throughout the year as well.