

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: May 08, 2013

All Sentinel Sites, Through the Week Ending May 04, 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 04, 2013, the following viruses were identified through PEWSS with a moderate volume of testing (Fig. 1): Influenza B, Adenovirus, Human Metapneumovirus, Parainfluenza 1 and RSV.

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

Influenza B and Adenovirus have been circulating at low levels.

Influenza A, Human Metapneumovirus, Parainfluenza 1, Parainfluenza 3 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
	4/6		4/13		4/20		4/27		5/4		
	n	%	n	%	n	%	n	%	n	%	
All negative	6	40%	4	57%	4	40%	10	42%	6	40%	Sporadic Low Low Sporadic Sporadic Not Detected Sporadic Sporadic
Influenza A Positive	0	0%	0	0%	0	0%	1	4%	0	0%	
Influenza B Positive	5	36%	0	0%	3	30%	2	8%	2	13%	
Adenovirus Positive	1	7%	3	43%	0	0%	3	13%	3	20%	
Human Metapneumovirus Positive	0	0%	0	0%	2	20%	6	25%	2	13%	
Parainfluenza 1 Positive	0	0%	0	0%	0	0%	3	13%	1	7%	
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 3 Positive	2	14%	1	14%	0	0%	1	4%	0	0%	
RSV Positive	0	0%	0	0%	1	10%	0	0%	1	7%	
Co-infections	0	0%	1	14%	0	0%	2	8%	0	0%	
Specimens Tested	15	-	7	-	10	-	24	-	15	-	Moderate Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	4/6		4/13		4/20		4/27		5/4			
	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	-	0	-	0	-	1	100%	0	-	1	100%

Figure 1 - Weekly Number of Specimens Tested

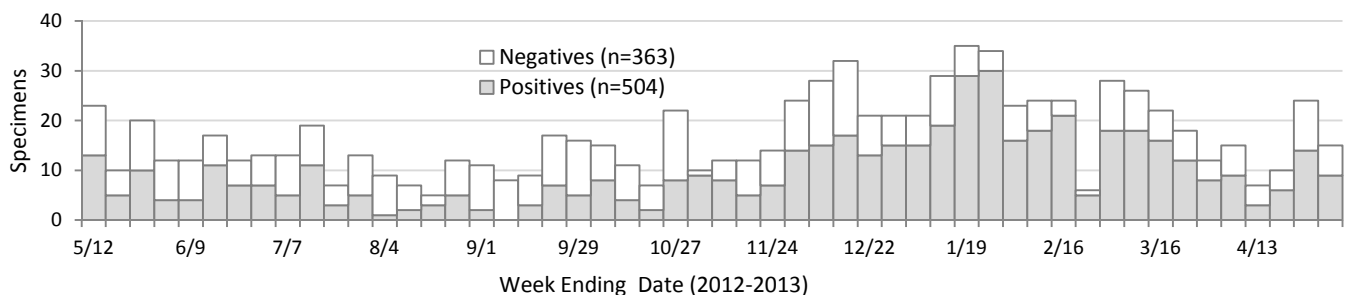
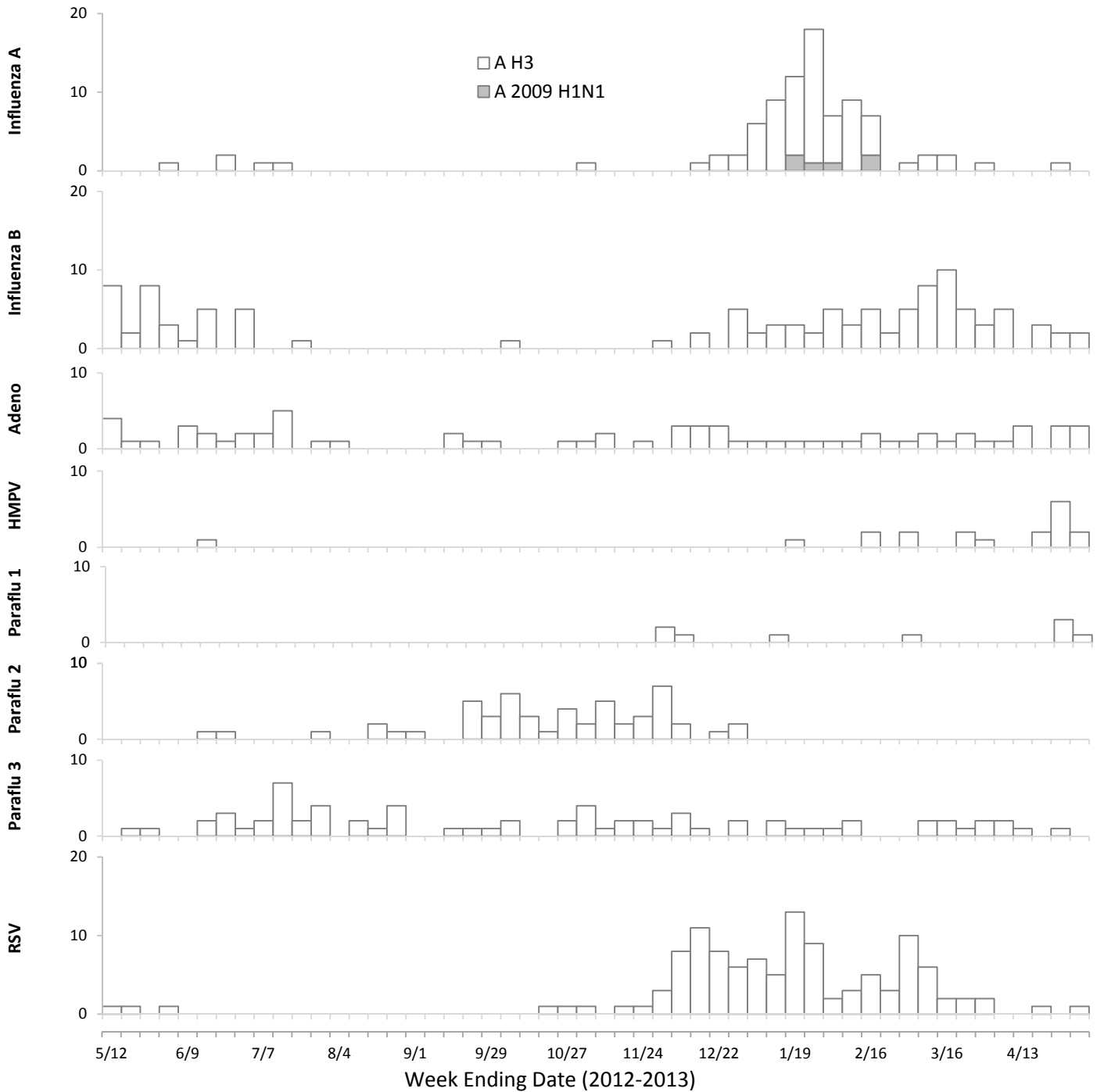


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

A high number of respiratory viruses is circulating in Southern Nevada this week (Table 1, Fig. 2). Influenza B is still present in our community, and was detected as late as July last year.

Adenovirus and Parainfluenza 3 appear to be circulating in Southern Nevada throughout the year (Fig. 2). Adenovirus outbreaks are uncommon, and usually involve respiratory illnesses or conjunctivitis. 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.