

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: October 16, 2013

All Sentinel Sites, Through the Week Ending October 12, 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 October 12, 2013, the following virus was identified through PEWSS with a low volume of testing (Fig. 1): Parainfluenza 1.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS: Adenovirus and Parainfluenza 1 have been sporadically identified.

Influenza A, Influenza B, Human Metapneumovirus, Parainfluenza 2, Parainfluenza 3 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
	9/14		9/21		9/28		10/5		10/12		
	n	%	n	%	n	%	n	%	n	%	
All negative	4	67%	3	100%	6	86%	3	50%	5	83%	
Influenza A Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Influenza B Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Adenovirus Positive	2	33%	0	0%	0	0%	2	33%	0	0%	Sporadic
Human Metapneumovirus Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Parainfluenza 1 Positive	0	0%	0	0%	1	14%	1	17%	1	17%	Sporadic
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Parainfluenza 3 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
RSV Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Co-infections	0	0%	0	0%	0	0%	0	0%	0	0%	
Specimens Tested	6	-	3	-	7	-	6	-	6	-	Low Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	9/14		9/21		9/28		10/5		10/12			
	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

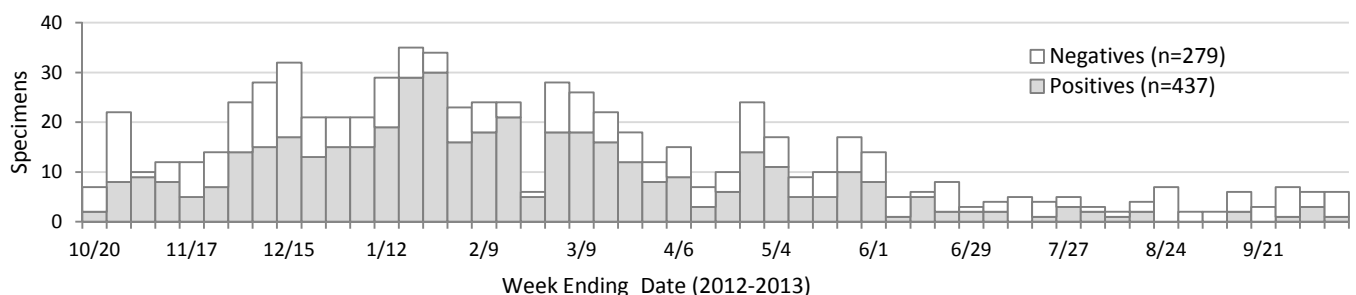
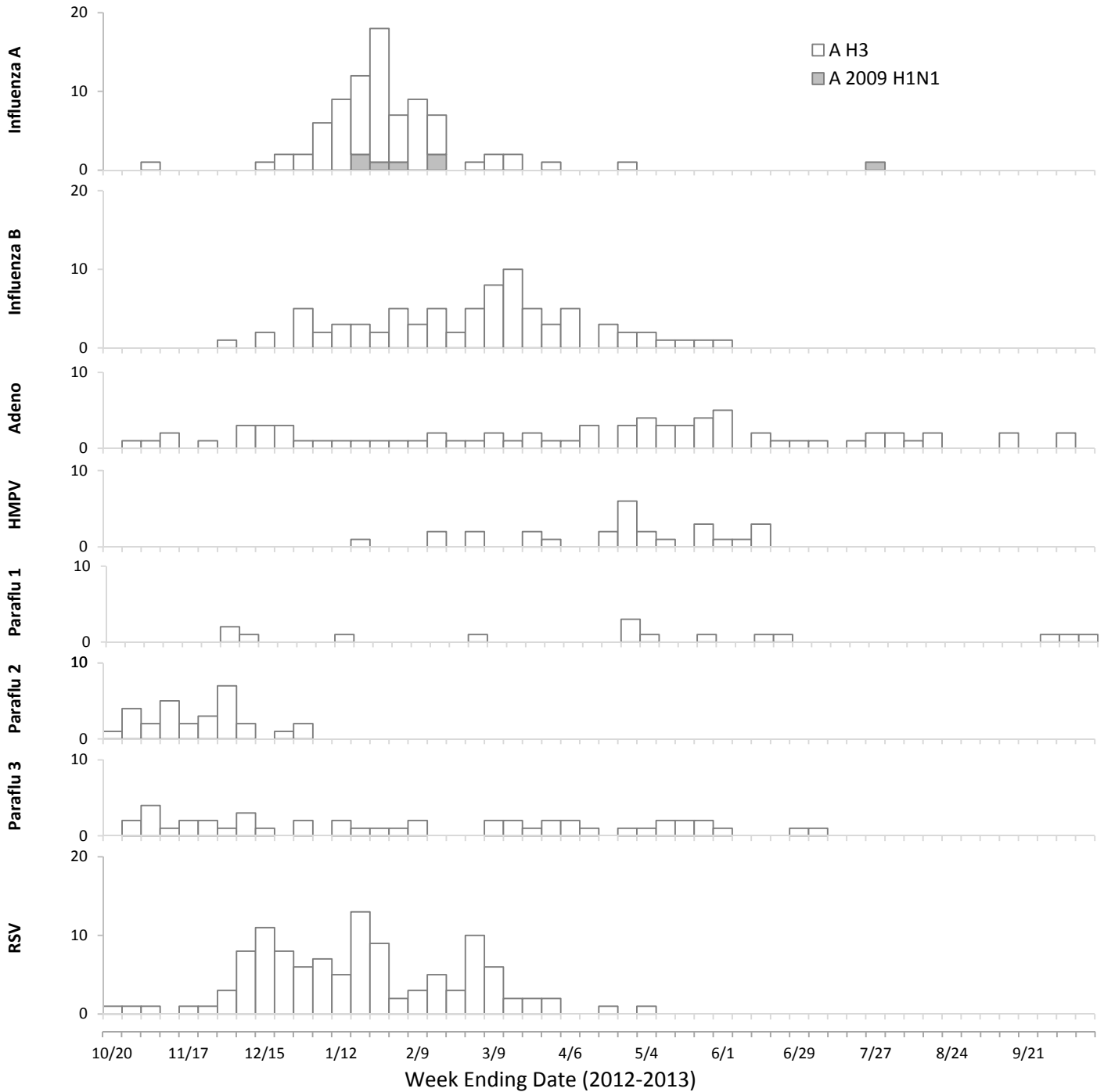


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

Human parainfluenza viruses (HPIVs) commonly cause upper and lower respiratory illnesses. HPIV-1 (Table 1; Fig. 2) infections often cause croup in children, and there are usually more cases in the fall of odd-numbered years. Young children are more likely to have severe illness, but older adults and people with weakened immune systems are also at risk.

HPIVs symptoms of upper respiratory illness may include fever, runny nose, and cough. Severe lower respiratory illness may include croup or laryngotracheobronchitis, bronchitis, bronchiolitis, and pneumonia.