

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

All Sentinel Sites, Through the Week Ending July 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 July 20, 2013, the following virus was identified through PEWSS with a low volume of testing (Fig. 1): Adenovirus.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS: Adenovirus has been circulating at low levels.

Parainfluenza 1 and Parainfluenza 3 have been sporadically identified.

Influenza A, Influenza B, Human Metapneumovirus, Parainfluenza 2 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
	6/22		6/29		7/6		7/13		7/20		
	n	%	n	%	n	%	n	%	n	%	
All negative	6	75%	1	33%	2	50%	5	100%	3	75%	
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	1	13%	1	33%	1	25%	0	0%	1	25%	Low
Human Metapneumovirus Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Parainfluenza 1 Positive	1	13%	0	0%	0	0%	0	0%	0	0%	Sporadic
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Parainfluenza 3 Positive	0	0%	1	33%	1	25%	0	0%	0	0%	Sporadic
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	8	-	3	-	4	-	5	-	4	-	Low Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	6/22		6/29		7/6		7/13		7/20			
	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

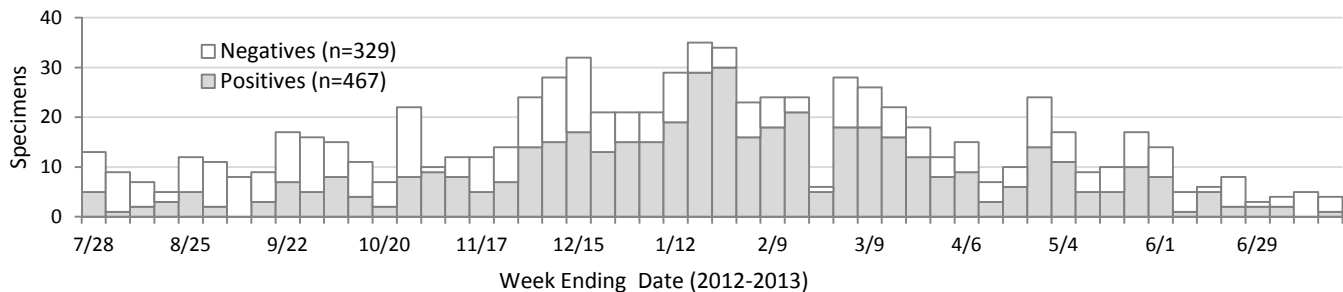
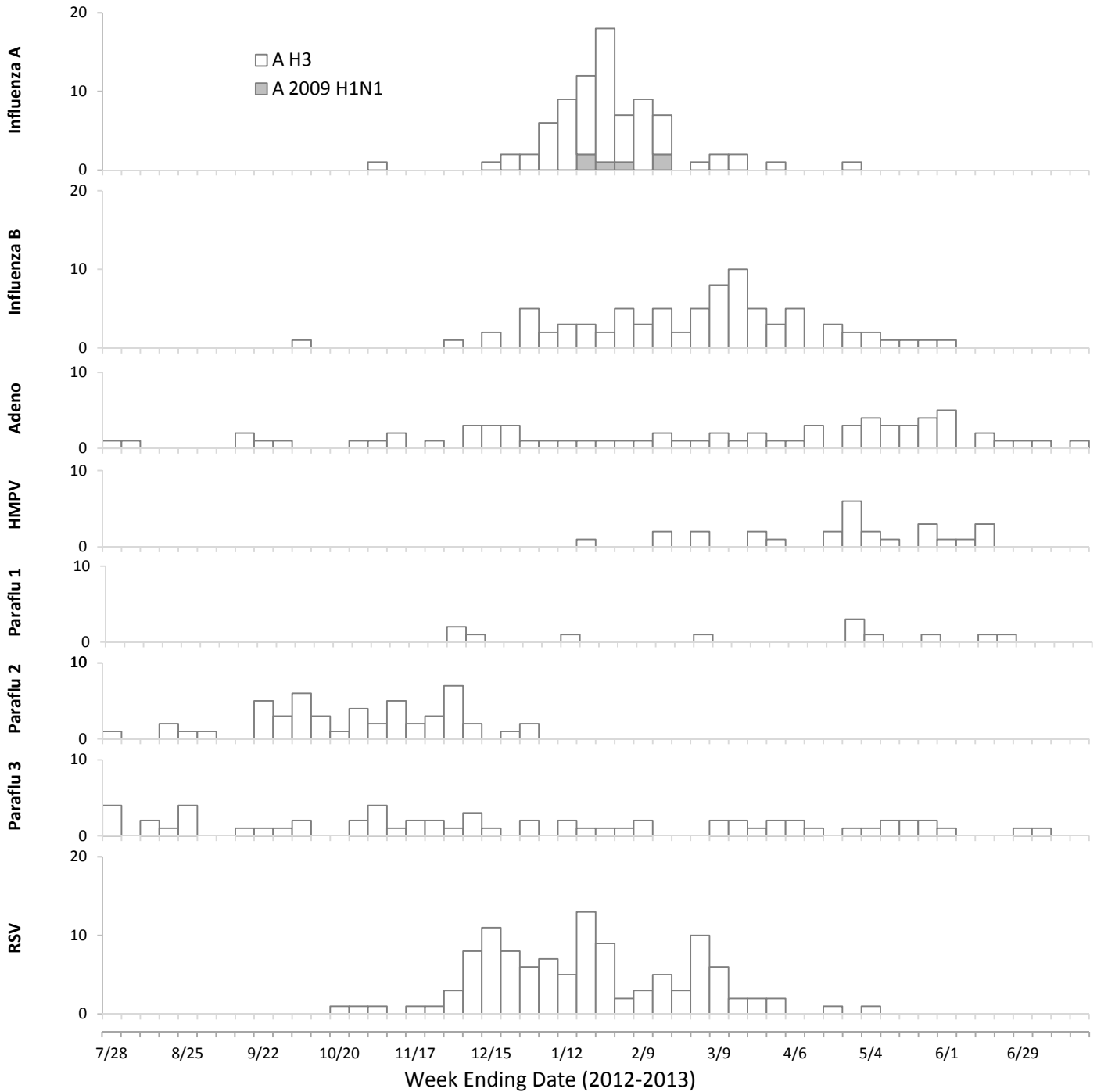


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

PEWSS sentinel clinicians are submitting a low number of specimens for testing (Fig. 1), which suggests that they are not currently encountering many children who meet the PEWSS testing criteria (fever >100°F accompanied by a cough and/or sore throat) in order to collect samples.

However, in view of the markedly increased incidence of pertussis in the community, please consider pertussis in your evaluation of an illness with coughing.