

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: July 31, 2013

All Sentinel Sites, Through the Week Ending July 27, 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 27, 2013, the following viruses were identified through PEWSS with a low volume of testing (Fig. 1): Influenza A and 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.

Influenza A and Parainfluenza 3 have been sporadically identified.

Influenza B, Human Metapneumovirus, Parainfluenza 1, 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
	6/29		7/6		7/13		7/20		7/27		
	n	%	n	%	n	%	n	%	n	%	
All negative	1	33%	2	50%	5	100%	3	75%	2	40%	Sporadic Not Detected Low Not Detected Not Detected Not Detected Sporadic Not Detected
Influenza A Positive	0	0%	0	0%	0	0%	0	0%	1	20%	
Influenza B Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Adenovirus Positive	1	33%	1	25%	0	0%	1	25%	2	40%	
Human Metapneumovirus Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 1 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 3 Positive	1	33%	1	25%	0	0%	0	0%	0	0%	
RSV Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Co-infections	0	0%	0	0%	0	0%	0	0%	0	0%	
Specimens Tested	3	-	4	-	5	-	4	-	5	-	Low Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	6/29		7/6		7/13		7/20		7/27			
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	0	-	0	-	0	-	0	-	1	100%	1	100%
Influenza A H1	0	-	0	-	0	-	0	-	0	0%	0	0%
Influenza A H3	0	-	0	-	0	-	0	-	0	0%	0	0%

Figure 1 - Weekly Number of Specimens Tested

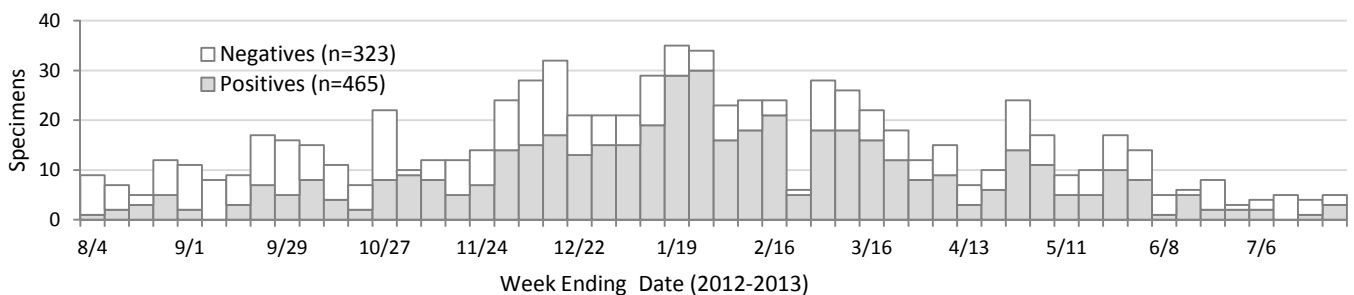
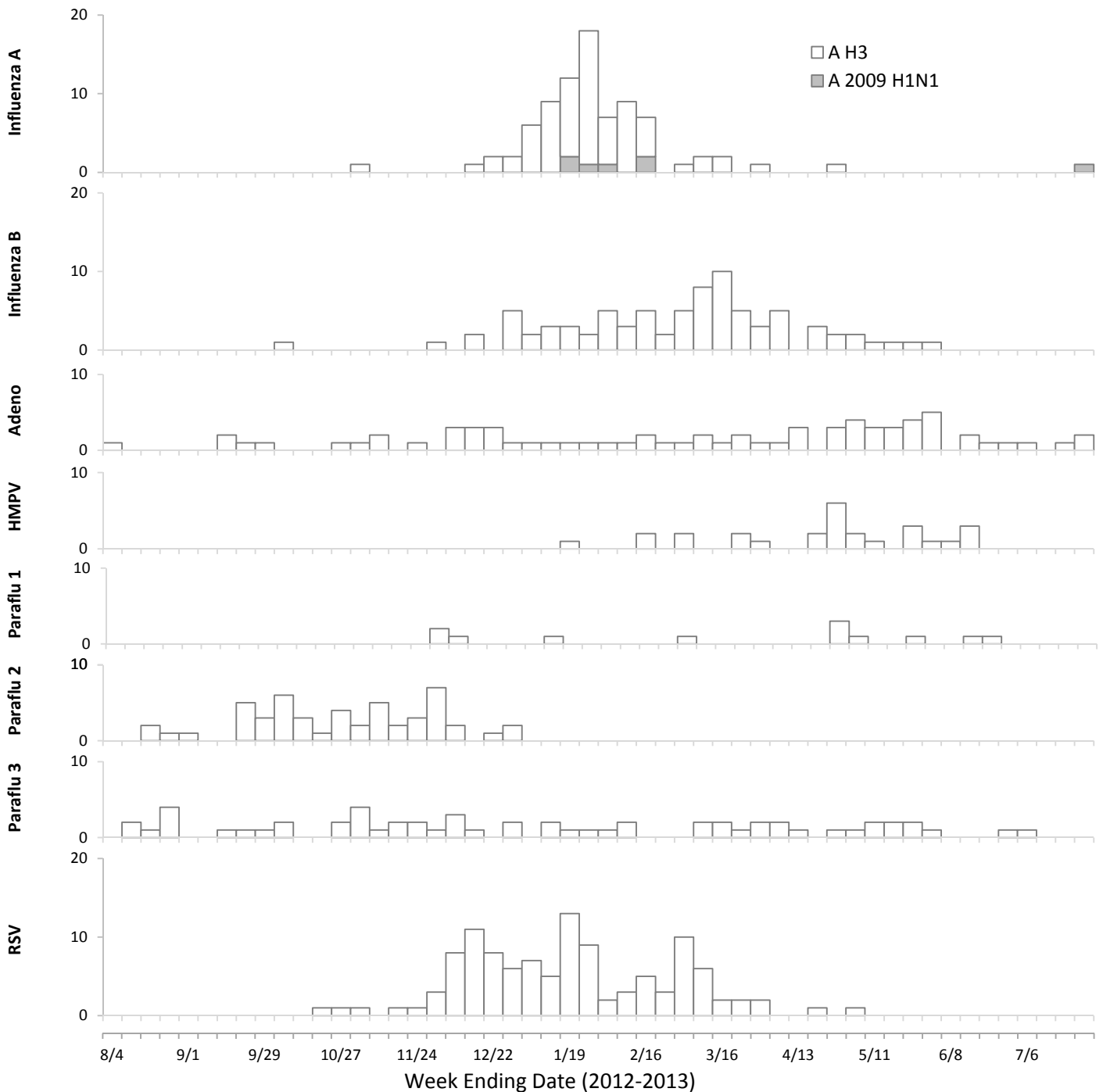


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

PEWSS detected influenza A 2009 H1N1 in an infant (<1 year of age) during this surveillance period. Although the World Health Organization declared an end to the 2009 H1N1 pandemic globally in 2010, the 2009 H1N1 virus is expected to continue to spread for years to come, like a regular seasonal influenza virus.

Influenza vaccines are designed to protect against three influenza viruses that experts predict will be the most common during the upcoming season. The 2013-2014 trivalent influenza vaccine will also include an influenza A 2009 (H1N1)pdm09-like virus.