

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: June 21, 2012

All Reporting Sites, Through the Week Ending June 16, 2012

The 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 the SNHD Office of Epidemiology at 702.759.1300.

General Update

During the week ending June 16, 2012, the following viruses were identified through PEWSS with a moderate volume of testing (Fig. 1): Influenza B, Adenovirus, Human Metapneumovirus, Parainfluenza 2 and Parainfluenza 3.

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

Influenza B has been circulating at high levels.

Adenovirus has been circulating at low levels.

Influenza A, Human Metapneumovirus, Parainfluenza 2, Parainfluenza 3 and RSV have been sporadically identified.

Parainfluenza 1 has not been identified.

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

PCR Testing Results	Week Ending										Past 5 Weeks Circulation Levels
	5/19		5/26		6/2		6/9		6/16		
	n	%	n	%	n	%	n	%	n	%	
All negative	5	50%	10	50%	8	67%	8	67%	6	35%	Sporadic High Low Sporadic Not Detected Sporadic Sporadic Sporadic
Influenza A Positive	0	0%	0	0%	1	8%	0	0%	0	0%	
Influenza B Positive	2	20%	8	40%	3	25%	1	8%	5	29%	
Adenovirus Positive	1	10%	1	5%	0	0%	3	25%	2	12%	
Human Metapneumovirus Positive	0	0%	0	0%	0	0%	0	0%	1	6%	
Parainfluenza 1 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	1	6%	
Parainfluenza 3 Positive	1	10%	1	5%	0	0%	0	0%	2	12%	
RSV Positive	1	10%	0	0%	1	8%	0	0%	0	0%	
Co-infections	0	0%	0	0%	1	8%	0	0%	0	0%	
Specimens Tested	10	-	20	-	12	-	12	-	17	-	Moderate Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	5/19		5/26		6/2		6/9		6/16		n	%
	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	-	1	100%	0	-	0	-	1	100%

Figure 1 - Weekly Number of Specimens Tested

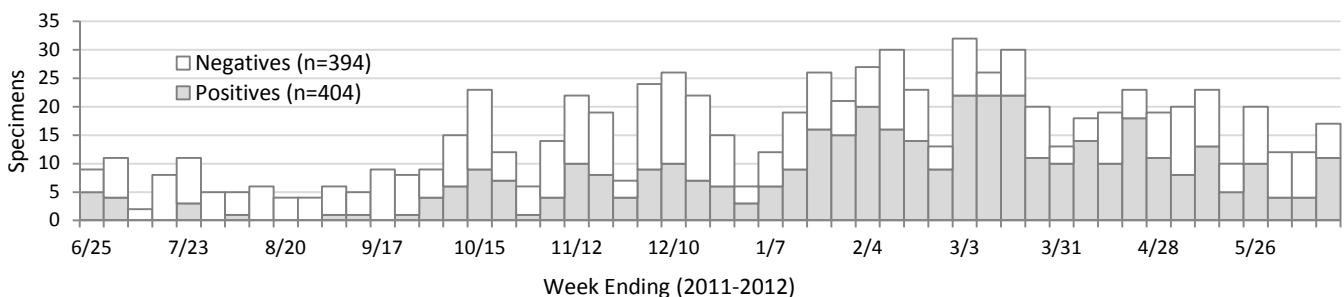
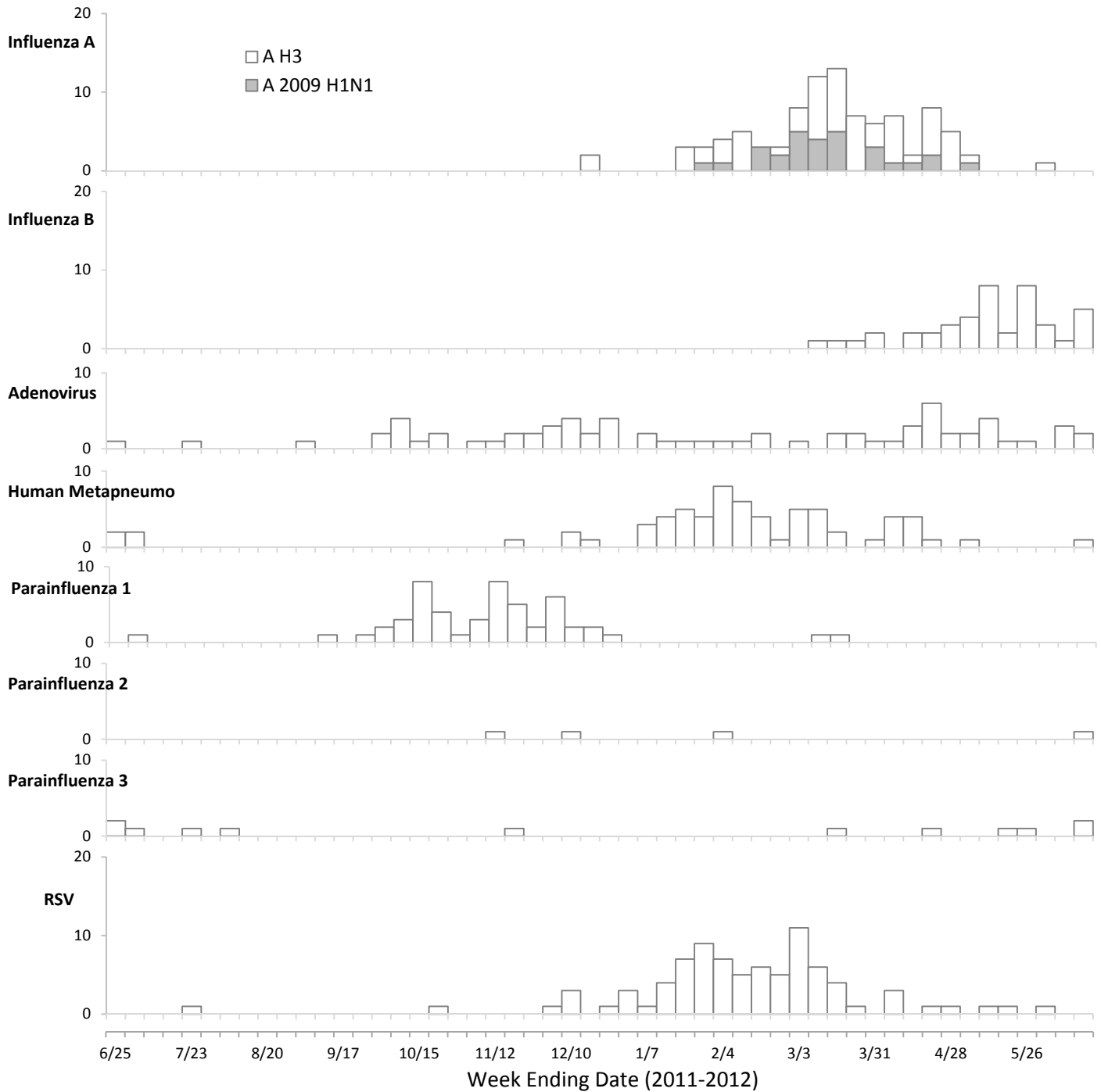


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

Four confirmed pediatric influenza deaths were reported in Clark County during the 2011-2012 influenza surveillance season. The latest death occurred this month and was attributed to influenza B infection.

Influenza B is currently circulating at a high level in Southern Nevada, and influenza activity can peak as late as May and continues into June. (Fig. 2, Influenza B).