

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: April 11, 2012

All Reporting Sites, Through the Week Ending April 07, 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 April 07, 2012, the following viruses were identified through PEWSS with a moderate volume of testing (Fig. 1): Influenza A, Adenovirus, Human Metapneumovirus and RSV.

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

Influenza A has been circulating at high levels.

Influenza B, Adenovirus, Human Metapneumovirus and RSV have been circulating at low levels.

Parainfluenza 1 and Parainfluenza 3 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										Interpretation For Past 5 Weeks
	3/10		3/17		3/24		3/31		4/7		
	n	%	n	%	n	%	n	%	n	%	
All negative	4	15%	8	27%	9	45%	3	23%	4	24%	High Low Low Low Sporadic Not Detected Sporadic Low
Influenza A Positive	12	46%	13	45%	7	35%	6	46%	7	41%	
Influenza B Positive	1	4%	1	3%	1	5%	2	15%	0	0%	
Adenovirus Positive	0	0%	2	7%	2	10%	1	8%	1	6%	
Human Metapneumovirus Positive	5	19%	2	7%	0	0%	1	8%	3	18%	
Parainfluenza 1 Positive	1	4%	1	3%	0	0%	0	0%	0	0%	
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 3 Positive	0	0%	1	3%	0	0%	0	0%	0	0%	
RSV Positive	6	23%	4	13%	1	5%	0	0%	3	18%	
Coinfections	3	12%	3	10%	0	0%	0	0%	1	6%	
Specimens Tested	26	-	30	-	20	-	13	-	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	
	3/10		3/17		3/24		3/31		4/7			
	n	%	n	%	n	%	n	%	n	%	n	%
Influenza A 2009 H1N1	4	33%	5	38%	0	0%	3	50%	1	14%	13	29%
Influenza A H1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Influenza A H3	8	67%	8	62%	7	100%	3	50%	6	86%	32	71%

Figure 1 - Weekly Number of Specimens Tested

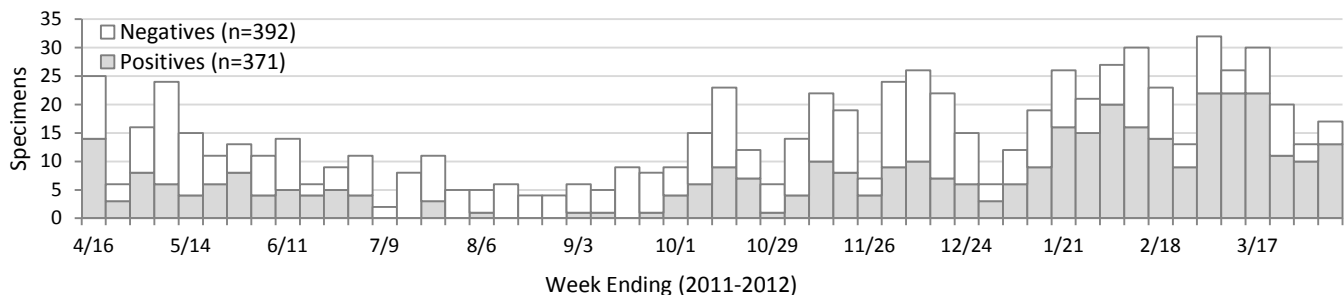
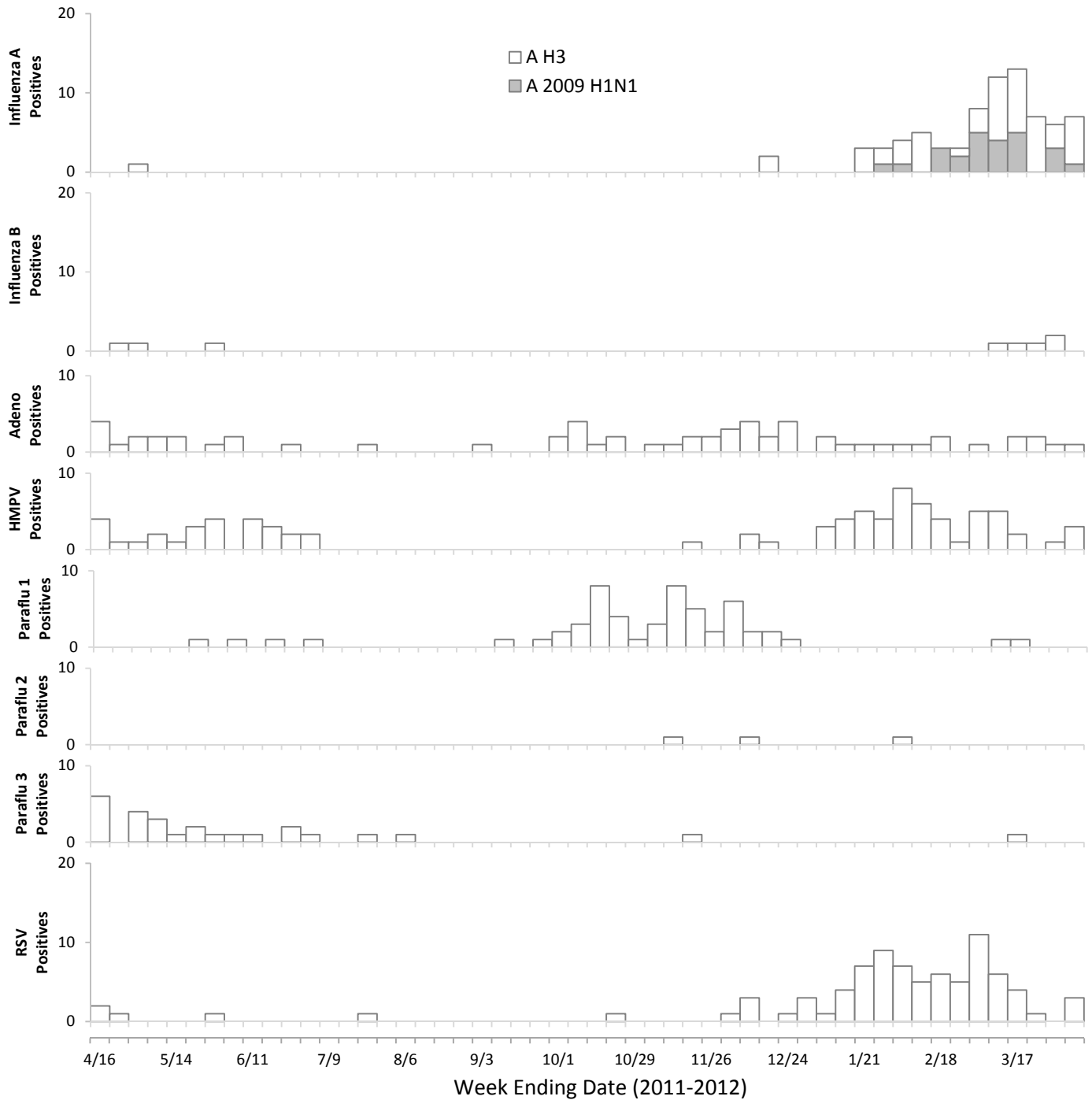


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

Among influenza viruses, influenza A H3 continues to predominate nationwide and in southern Nevada (Table 2; Fig. 2).