

## SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: May 02, 2012

All Reporting Sites, Through the Week Ending April 28, 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 28, 2012, the following viruses were identified through PEWSS with a moderate volume of testing (Fig. 1): Influenza A, Influenza B, Adenovirus 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 and Human Metapneumovirus have been circulating at low levels.

Parainfluenza 3 and RSV have been sporadically identified.

Parainfluenza 1 and Parainfluenza 2 have not been identified.

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

PCR Testing Results	Week Ending										Interpretation For Past 5 Weeks
	3/31		4/7		4/14		4/21		4/28		
	n	%	n	%	n	%	n	%	n	%	
All negative	3	23%	4	22%	9	47%	5	22%	8	42%	
Influenza A Positive	6	46%	7	39%	2	11%	8	35%	5	26%	High
Influenza B Positive	2	15%	0	0%	2	11%	2	9%	3	16%	Low
Adenovirus Positive	1	8%	1	6%	3	16%	6	26%	2	11%	Low
Human Metapneumovirus Positive	1	8%	4	22%	4	21%	1	4%	0	0%	Low
Parainfluenza 1 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Parainfluenza 3 Positive	0	0%	0	0%	0	0%	1	4%	0	0%	Sporadic
RSV Positive	0	0%	3	17%	0	0%	1	4%	1	5%	Sporadic
Co-infections	0	0%	1	6%	1	5%	1	4%	0	0%	
Specimens Tested	13	-	18	-	19	-	23	-	19	-	Moderate Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	3/31		4/7		4/14		4/21		4/28		n	%
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	3	50%	1	14%	1	50%	2	25%	0	0%	7	25%
Influenza A H1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Influenza A H3	3	50%	6	86%	1	50%	6	75%	5	100%	21	75%

**Figure 1 - Weekly Number of Specimens Tested**

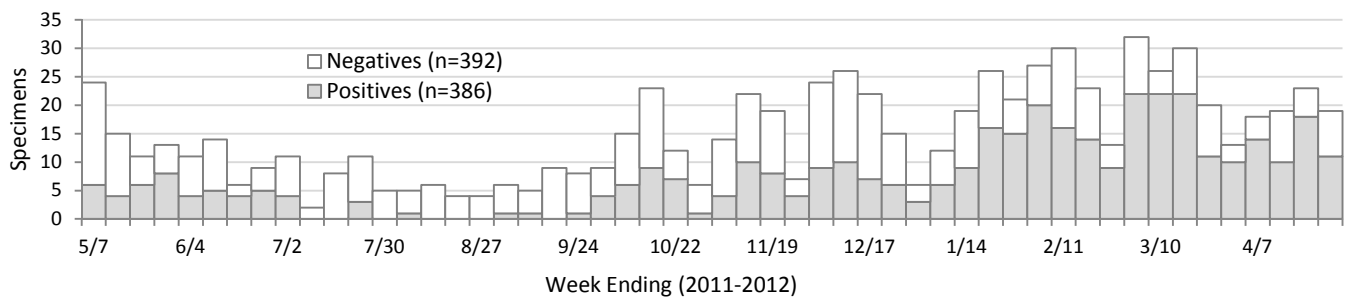
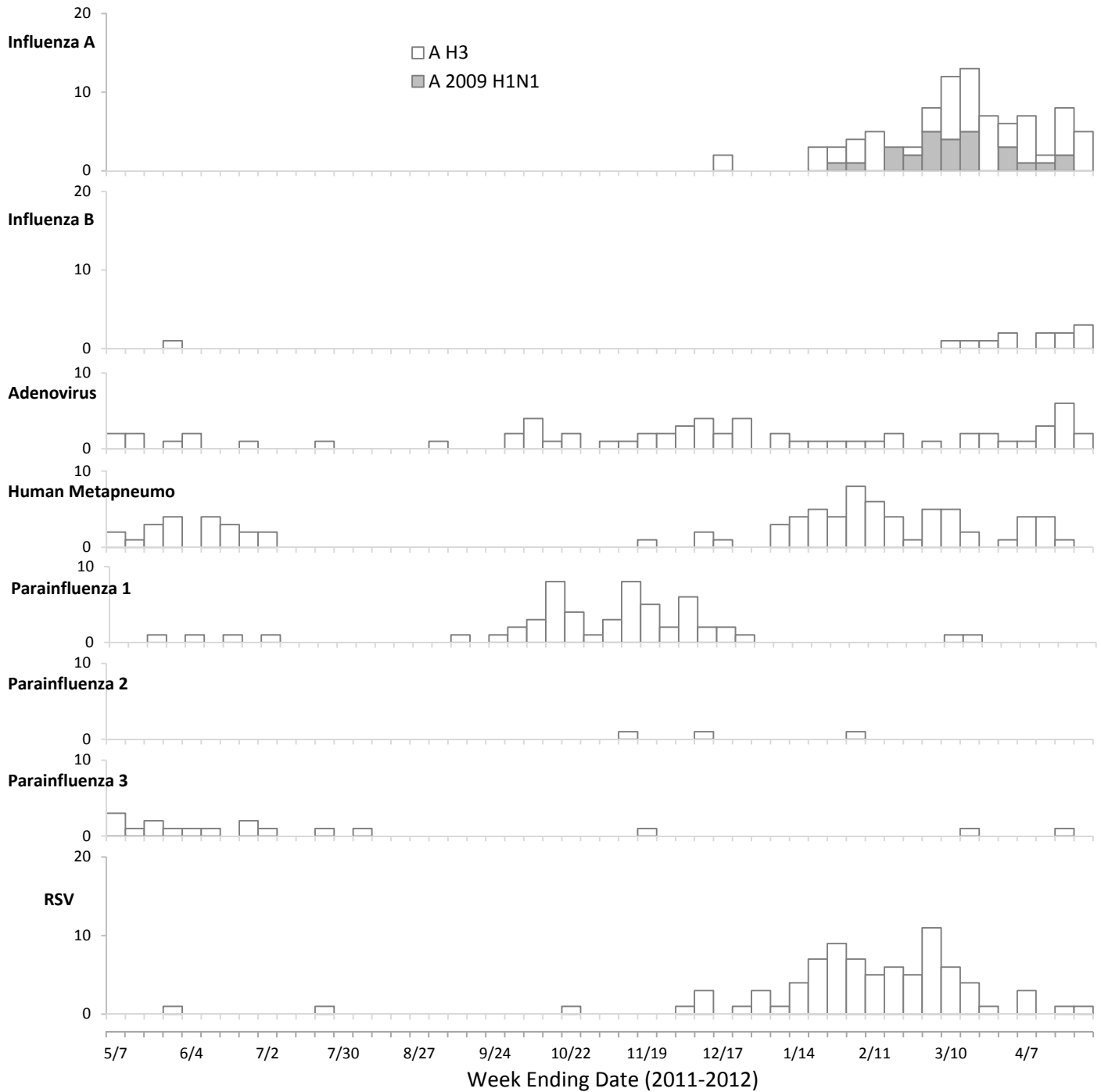


Figure 2. Weekly Positive Counts for Organisms Tested



**Other News and Information**

Nationally and in southern Nevada (Table 2), the 2011-2012 season has been dominated by influenza A (H3) viruses; however, 2009 H1N1 and influenza B viruses continue to circulate (Fig. 2).

Influenza activity may vary by region, peaking and be declining in some states or regions, while other areas may not have reached their peak activity level.

Influenza viruses circulate year-round and substantial activity might occur as late as May.