

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: May 09, 2012

All Reporting Sites, Through the Week Ending May 05, 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 May 05, 2012, the following viruses were identified through PEWSS with a moderate volume of testing (Fig. 1): Influenza A, Influenza B, Adenovirus and Human Metapneumovirus.

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
	4/7		4/14		4/21		4/28		5/5		
	n	%	n	%	n	%	n	%	n	%	
All negative	4	22%	9	47%	5	22%	8	42%	11	58%	
Influenza A Positive	7	39%	2	11%	8	35%	5	26%	2	11%	High
Influenza B Positive	0	0%	2	11%	2	9%	3	16%	4	21%	Low
Adenovirus Positive	1	6%	3	16%	6	26%	2	11%	2	11%	Low
Human Metapneumovirus Positive	4	22%	4	21%	1	4%	0	0%	1	5%	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%	1	4%	0	0%	0	0%	Sporadic
RSV Positive	3	17%	0	0%	1	4%	1	5%	0	0%	Sporadic
Co-infections	1	6%	1	5%	1	4%	0	0%	1	5%	
Specimens Tested	18	-	19	-	23	-	19	-	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	
	4/7		4/14		4/21		4/28		5/5		n	%
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	1	14%	1	50%	2	25%	0	0%	1	50%	5	21%
Influenza A H1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Influenza A H3	6	86%	1	50%	6	75%	5	100%	1	50%	19	79%

Figure 1 - Weekly Number of Specimens Tested

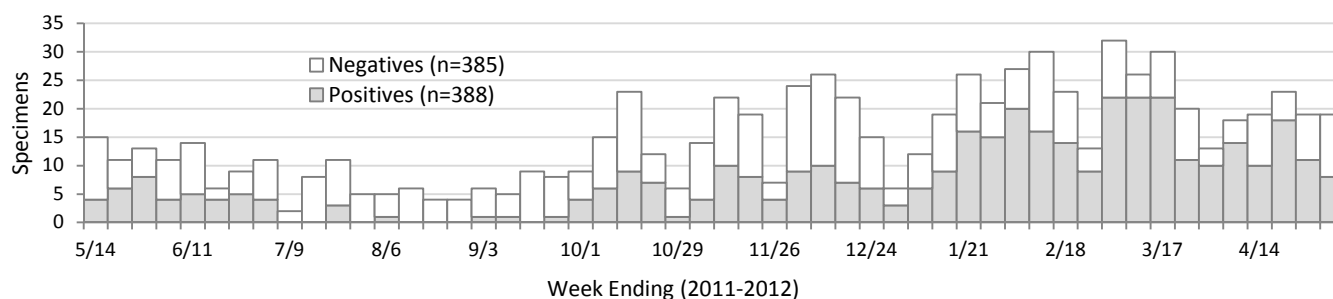
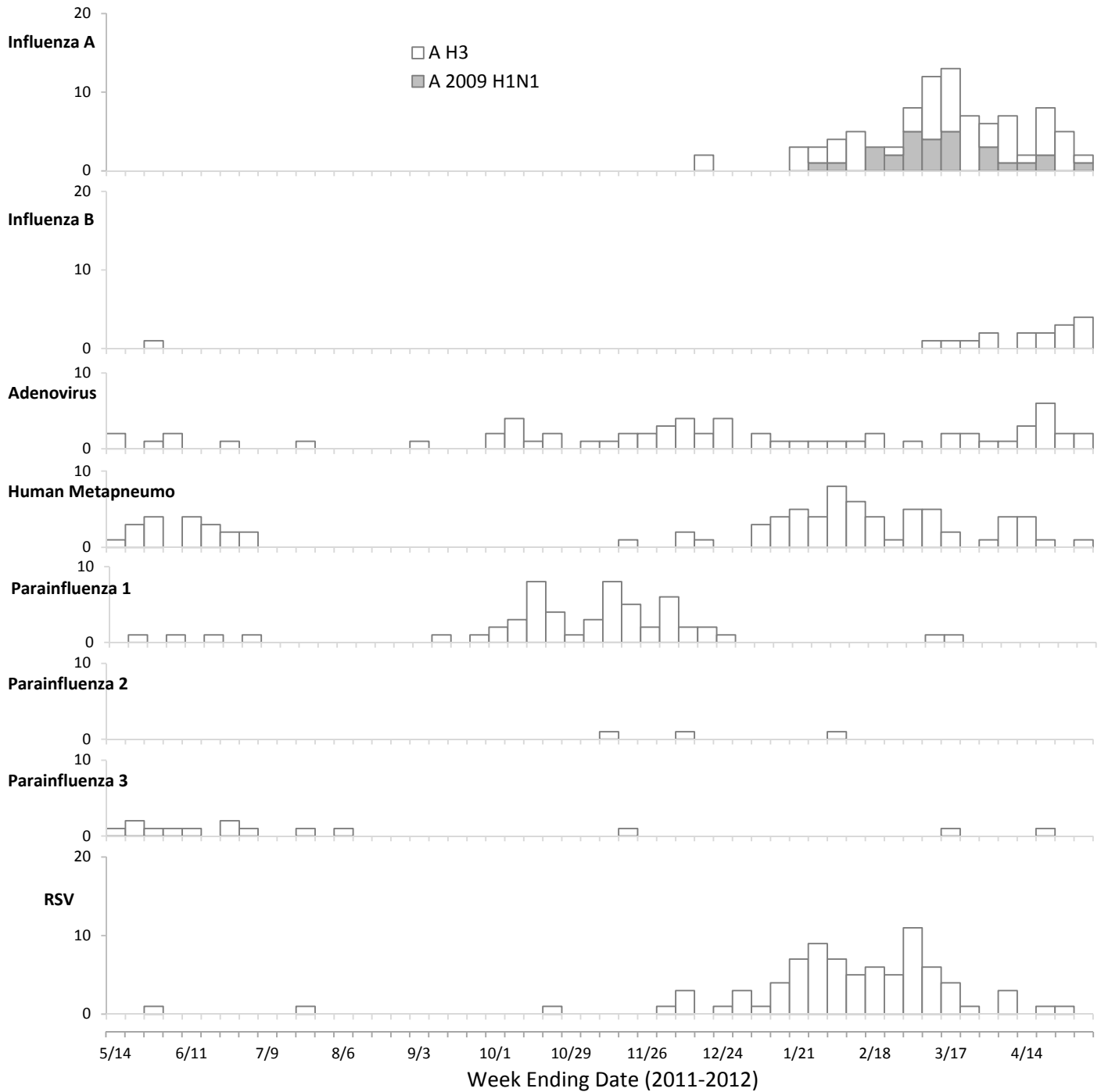


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

Influenza viruses are still circulating in southern Nevada (Tables 1 & 2), and substantial influenza activity continues to occur in many regions as late as May.

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).