

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

All Reporting Sites, Through the Week Ending March 17, 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 March 17, 2012, the following viruses were identified through PEWSS with a high volume of testing (Fig. 1): Influenza A, Influenza B, Adenovirus, Human Metapneumovirus, Parainfluenza 1, Parainfluenza 3 and RSV.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS: Influenza A, Human Metapneumovirus and RSV have been circulating at high levels. Influenza B, Adenovirus, 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
	2/18		2/25		3/3		3/10		3/17		
	n	%	n	%	n	%	n	%	n	%	
All negative	9	39%	4	31%	10	31%	4	15%	7	26%	High Sporadic Sporadic High Sporadic Not Detected Sporadic High
Influenza A Positive	3	13%	3	23%	8	25%	12	46%	12	44%	
Influenza B Positive	0	0%	0	0%	0	0%	1	4%	1	4%	
Adenovirus Positive	2	9%	0	0%	1	3%	0	0%	2	7%	
Human Metapneumovirus Positive	4	17%	1	8%	5	16%	5	19%	2	7%	
Parainfluenza 1 Positive	0	0%	0	0%	0	0%	1	4%	1	4%	
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 3 Positive	0	0%	0	0%	0	0%	0	0%	1	4%	
RSV Positive	6	26%	5	38%	11	34%	6	23%	4	15%	
Coinfections	1	4%	0	0%	3	9%	3	12%	3	11%	
Specimens Tested	23	-	13	-	32	-	26	-	27	-	High Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	2/18		2/25		3/3		3/10		3/17		n	%
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	3	100%	2	67%	5	63%	4	33%	4	33%	18	47%
Influenza A H1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Influenza A H3	0	0%	1	33%	3	38%	8	67%	8	67%	20	53%

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

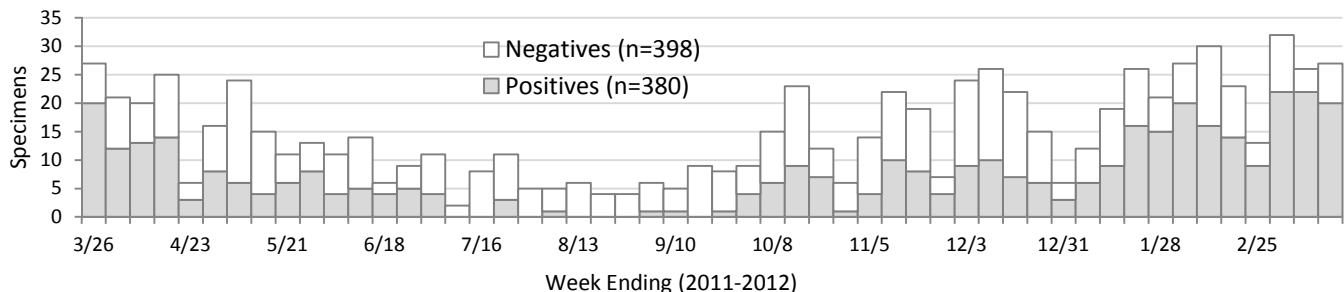
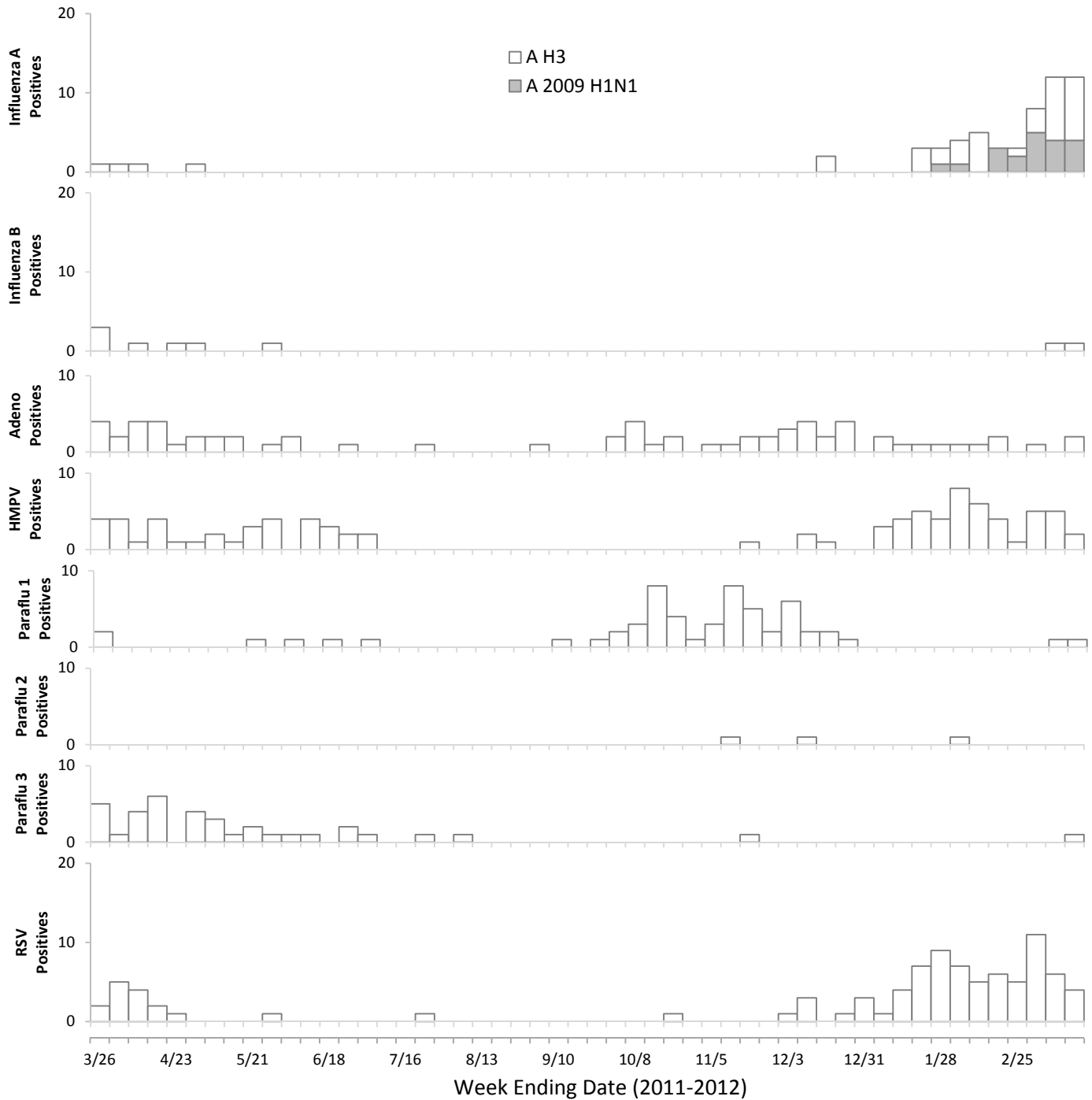


Figure 2. Weekly Positive Counts for Organisms Tested



**Other News and Information**

Among influenza viruses, influenza A 2009 H1N1 and influenza A H3 continue to predominate in southern Nevada (Table 2; Fig. 2). The recent detection of influenza B may signal the emergence of this virus in the community.

Respiratory syncytial virus (RSV) and human metapneumovirus (hMPV) are also circulating in the community at high levels (Table 1).