

## SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: March 28, 2012

All Reporting Sites, Through the Week Ending March 24, 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 24, 2012, the following viruses were identified through PEWSS with a high 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 and RSV have been circulating at high levels.

Human Metapneumovirus has been circulating at low 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
	2/25		3/3		3/10		3/17		3/24		
	n	%	n	%	n	%	n	%	n	%	
All negative	4	31%	10	31%	4	15%	8	27%	9	45%	<b>High</b> Sporadic Sporadic <b>Low</b> Sporadic Not Detected Sporadic <b>High</b>
Influenza A Positive	3	23%	8	25%	12	46%	13	45%	7	35%	
Influenza B Positive	0	0%	0	0%	1	4%	1	3%	1	5%	
Adenovirus Positive	0	0%	1	3%	0	0%	2	7%	2	10%	
Human Metapneumovirus Positive	1	8%	5	16%	5	19%	2	7%	0	0%	
Parainfluenza 1 Positive	0	0%	0	0%	1	4%	1	3%	0	0%	
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 3 Positive	0	0%	0	0%	0	0%	1	3%	0	0%	
RSV Positive	5	38%	11	34%	6	23%	4	13%	1	5%	
Coinfections	0	0%	3	9%	3	12%	3	10%	0	0%	
Specimens Tested	13	-	32	-	26	-	30	-	20	-	

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	2/25		3/3		3/10		3/17		3/24		n	%
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	2	67%	5	63%	4	33%	5	38%	0	0%	16	37%
Influenza A H1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Influenza A H3	1	33%	3	38%	8	67%	8	62%	7	100%	27	63%

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

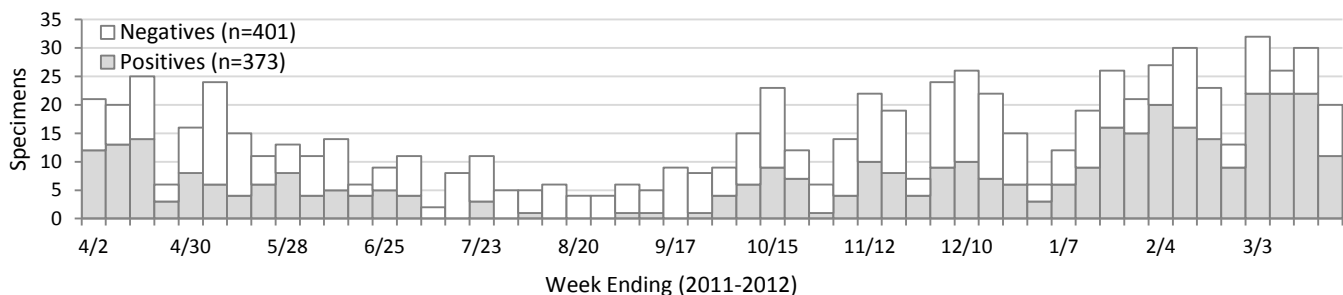
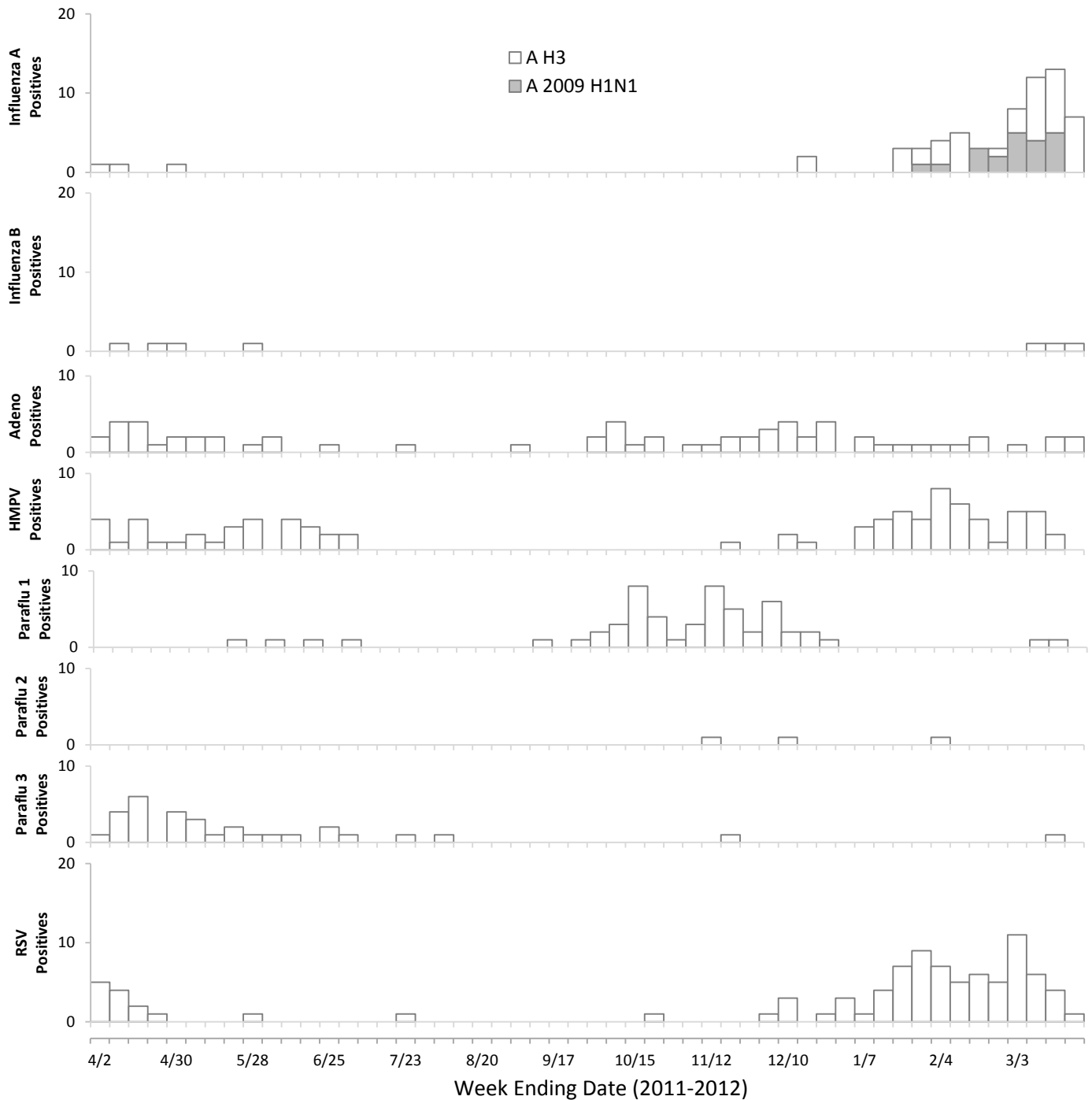


Figure 2. Weekly Positive Counts for Organisms Tested



**Other News and Information**

Among influenza viruses, influenza A 2009 H3 continues to predominate in southern Nevada (Table 2; Fig. 2). Respiratory syncytial virus (RSV) is also circulating in the community at high levels (Table 1).