

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: February 22, 2012

All Reporting Sites, Through the Week Ending February 18, 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 February 18, 2012, the following viruses were identified through PEWSS with a high 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, Human Metapneumovirus and RSV have been circulating at high levels.

Adenovirus has been circulating at low levels.

Parainfluenza 2 has been sporadically identified.

Influenza B, Parainfluenza 1 and Parainfluenza 3 have not been identified.

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

PCR Testing Results	Week Ending										Interpretation For Past 5 Weeks
	1/21		1/28		2/4		2/11		2/18		
	n	%	n	%	n	%	n	%	n	%	
All negative	10	38%	6	29%	7	26%	14	47%	9	39%	
Influenza A Positive	3	12%	3	14%	4	15%	5	17%	3	13%	High
Influenza B Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Adenovirus Positive	1	4%	1	5%	1	4%	1	3%	2	9%	Low
Human Metapneumovirus Positive	5	19%	4	19%	8	30%	6	20%	4	17%	High
Parainfluenza 1 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Parainfluenza 2 Positive	0	0%	0	0%	1	4%	0	0%	0	0%	Sporadic
Parainfluenza 3 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
RSV Positive	7	27%	9	43%	7	26%	5	17%	6	26%	High
Coinfections	0	0%	2	10%	1	4%	1	3%	1	4%	
Specimens Tested	26	-	21	-	27	-	30	-	23	-	High Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	1/21		1/28		2/4		2/11		2/18		n	%
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	0	0%	1	33%	1	25%	0	0%	3	100%	5	28%
Influenza A H1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Influenza A H3	3	100%	2	67%	3	75%	5	100%	0	0%	13	72%

Figure 1 - Weekly Number of Specimens Tested

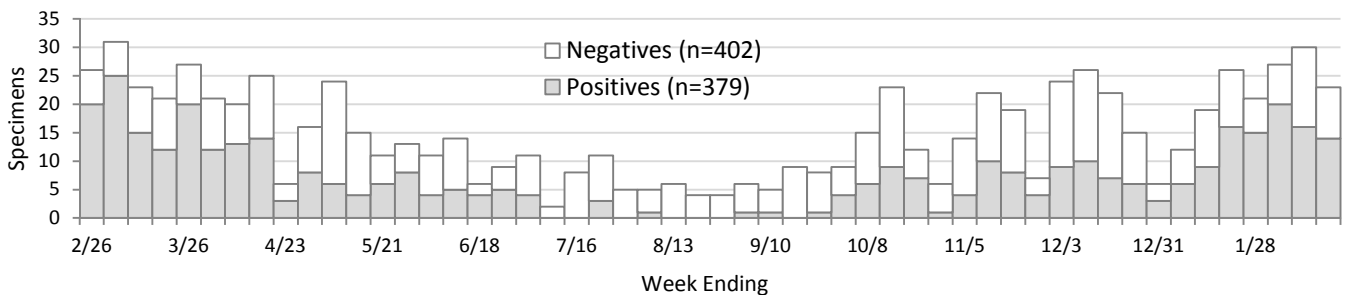
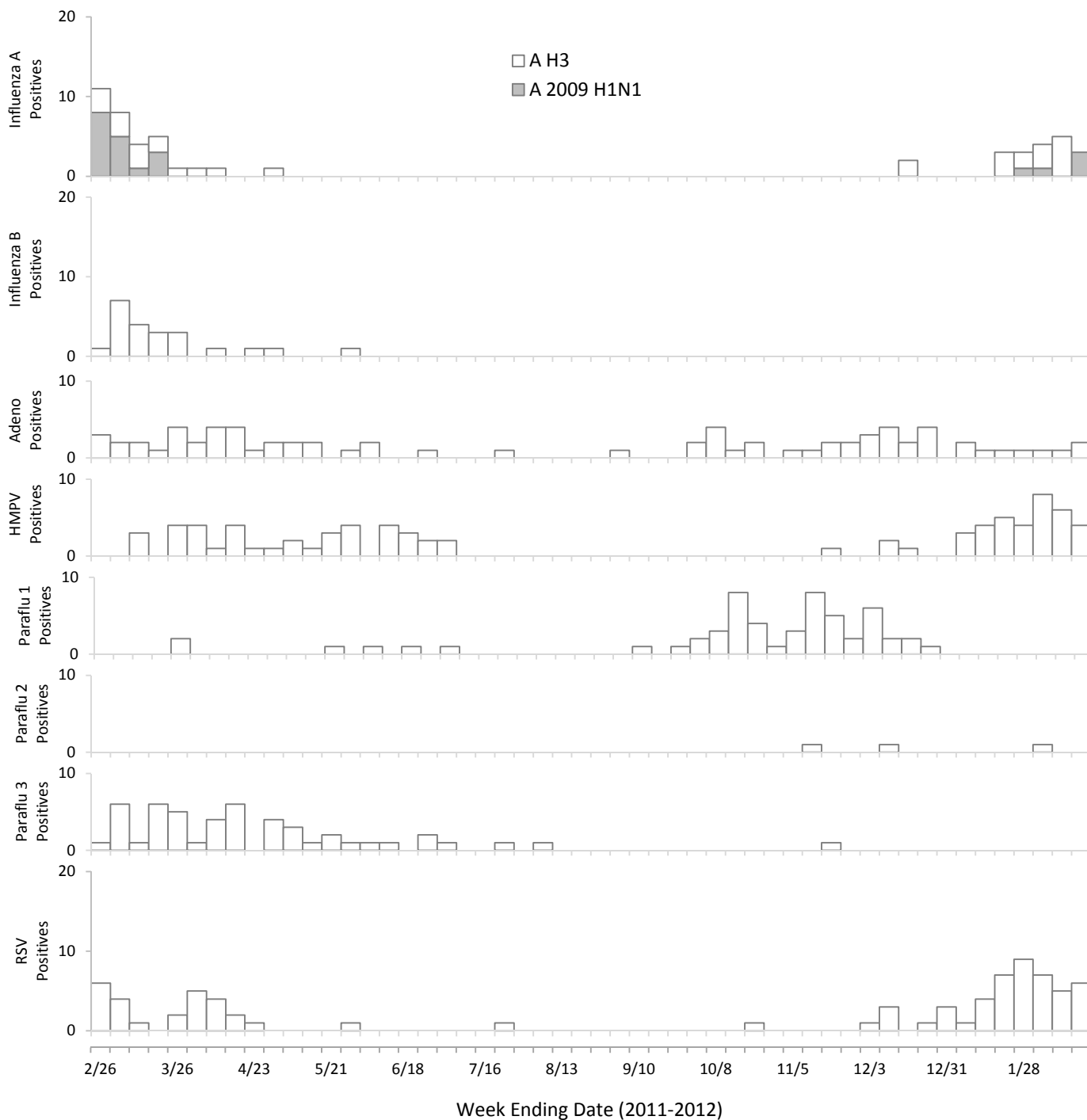


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories are located in all 50 states, and report to the Centers for Disease Control and Prevention (CDC) the number of respiratory specimens tested for influenza and the number positive by influenza type and subtype. Similar to the CDC national data, PEWSS shows a low but increasing number of influenza positive specimens have been reported this season (Table 2), with influenza A (H3N2) viruses being most common. Over the past several weeks, the proportion of 2009 H1N1 viruses (Table 2; Fig. 2) identified has increased locally and nationally.