

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: December 28, 2011

All Reporting Sites, Through the Week Ending December 24, 2011

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 December 24, 2011, the following viruses were identified through PEWSS with a low volume of testing (Fig. 1): Adenovirus and Parainfluenza 1.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS: Adenovirus and Parainfluenza 1 have been circulating at low levels. Influenza A, Human Metapneumovirus, Parainfluenza 2 and RSV have been sporadically identified. Influenza B 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
	11/26		12/3		12/10		12/17		12/24		
	n	%	n	%	n	%	n	%	n	%	
All negative	3	43%	15	63%	16	62%	15	68%	7	64%	Sporadic Not Detected Low Sporadic Low Sporadic Not Detected Sporadic
Influenza A Positive	0	0%	0	0%	0	0%	2	9%	0	0%	
Influenza B Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Adenovirus Positive	2	29%	3	13%	4	15%	2	9%	3	27%	
Human Metapneumovirus Positive	0	0%	0	0%	2	8%	1	5%	0	0%	
Parainfluenza 1 Positive	2	29%	6	25%	2	8%	2	9%	1	9%	
Parainfluenza 2 Positive	0	0%	0	0%	1	4%	0	0%	0	0%	
Parainfluenza 3 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
RSV Positive	0	0%	1	4%	3	12%	0	0%	0	0%	
Coinfections	0	0%	1	4%	2	8%	0	0%	0	0%	
Specimens Tested	7	-	24	-	26	-	22	-	11	-	Low Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	11/26		12/3		12/10		12/17		12/24		n	%
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	0	-	0	-	0	-	0	0%	0	-	0	0%
Influenza A H1	0	-	0	-	0	-	0	0%	0	-	0	0%
Influenza A H3	0	-	0	-	0	-	2	100%	0	-	2	100%

Figure 1 - Weekly Number of Specimens Tested

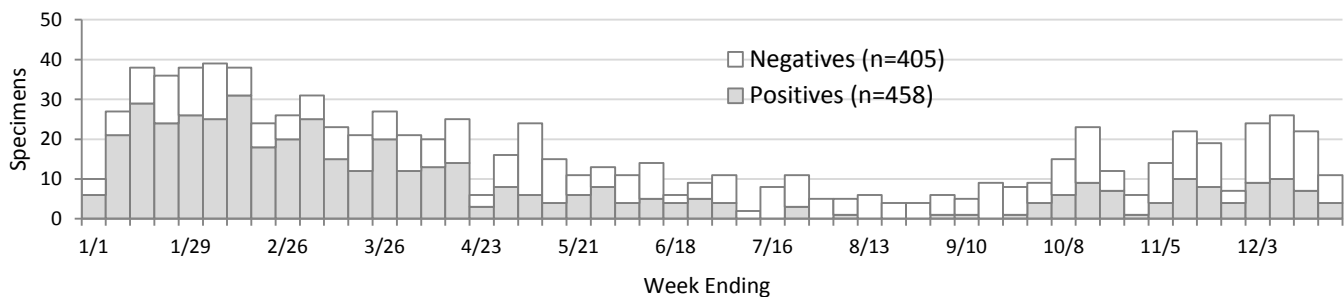
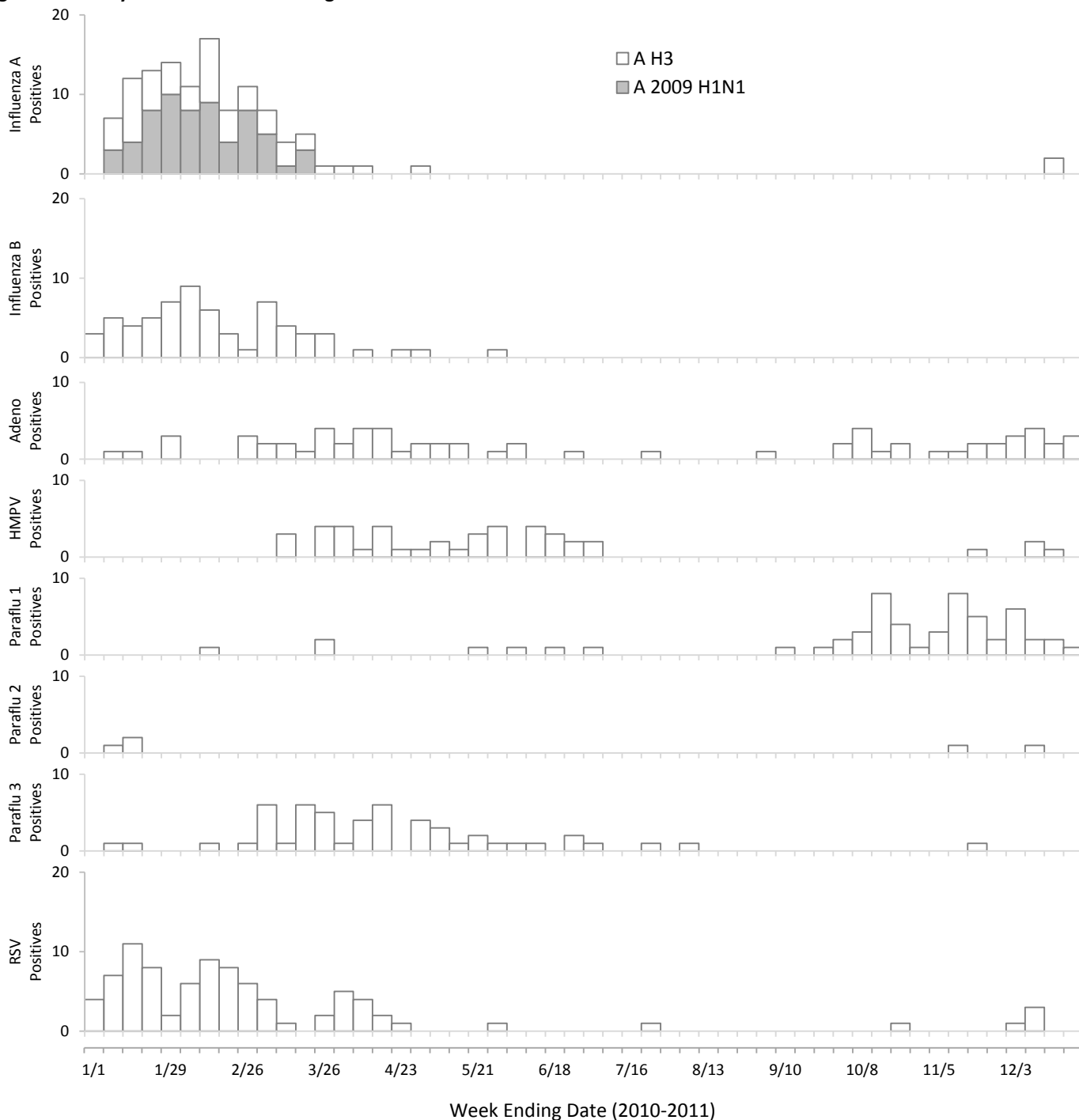


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

The Centers for Disease Control and Prevention recommend that children 6 months through 8 years of age who did not receive at least one dose of the 2010-2011 influenza vaccine, or for whom it is not certain whether the 2010-2011 influenza vaccine was received, should receive 2 doses of the 2011-2012 seasonal influenza vaccine.

The first dose should be given as soon as vaccine becomes available, and the second dose should be given 28 more days after the first dose. The first dose “primes” the immune system; the second dose provides immune protection. Children who only get one dose but need two doses can have reduced or no protection from a single dose of flu vaccine. Two doses are necessary to protect these children. It usually takes about two weeks after the second dose for protection to begin.