

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: December 14, 2011

All Reporting Sites, Through the Week Ending December 10, 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 10, 2011, the following viruses were identified through PEWSS with a high volume of testing (Fig. 1): Adenovirus, Human Metapneumovirus, Parainfluenza 1, Parainfluenza 2 and RSV.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS:

Parainfluenza 1 has been circulating at high levels.

Adenovirus has been circulating at low levels.

Human Metapneumovirus, Parainfluenza 2, Parainfluenza 3 and RSV have been sporadically identified.

Influenza A and Influenza B have not been identified.

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

PCR Testing Results	Week Ending										Interpretation For Past 5 Weeks
	11/12		11/19		11/26		12/3		12/10		
	n	%	n	%	n	%	n	%	n	%	
All negative	12	55%	11	58%	3	43%	15	63%	16	62%	Not Detected Not Detected Low Sporadic High Sporadic Sporadic Sporadic
Influenza A Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Influenza B Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Adenovirus Positive	1	5%	2	11%	2	29%	3	13%	4	15%	
Human Metapneumovirus Positive	0	0%	1	5%	0	0%	0	0%	2	8%	
Parainfluenza 1 Positive	8	36%	5	26%	2	29%	6	25%	2	8%	
Parainfluenza 2 Positive	1	5%	0	0%	0	0%	0	0%	1	4%	
Parainfluenza 3 Positive	0	0%	1	5%	0	0%	0	0%	0	0%	
RSV Positive	0	0%	0	0%	0	0%	1	4%	3	12%	
Coinfections	0	0%	1	5%	0	0%	1	4%	2	8%	
Specimens Tested	22	-	19	-	7	-	24	-	26	-	High Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	11/12		11/19		11/26		12/3		12/10		n	%
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	0	-	0	-	0	-	0	-	0	-	0	-
Influenza A H1	0	-	0	-	0	-	0	-	0	-	0	-
Influenza A H3	0	-	0	-	0	-	0	-	0	-	0	-

Figure 1 - Weekly Number of Specimens Tested

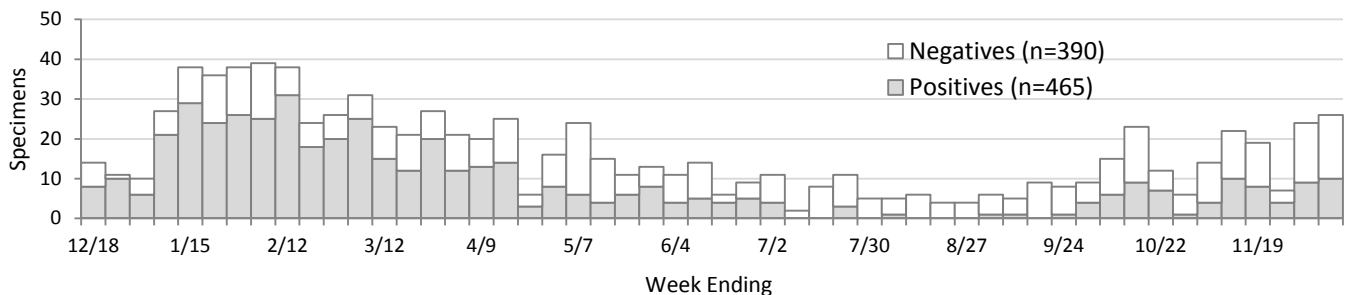
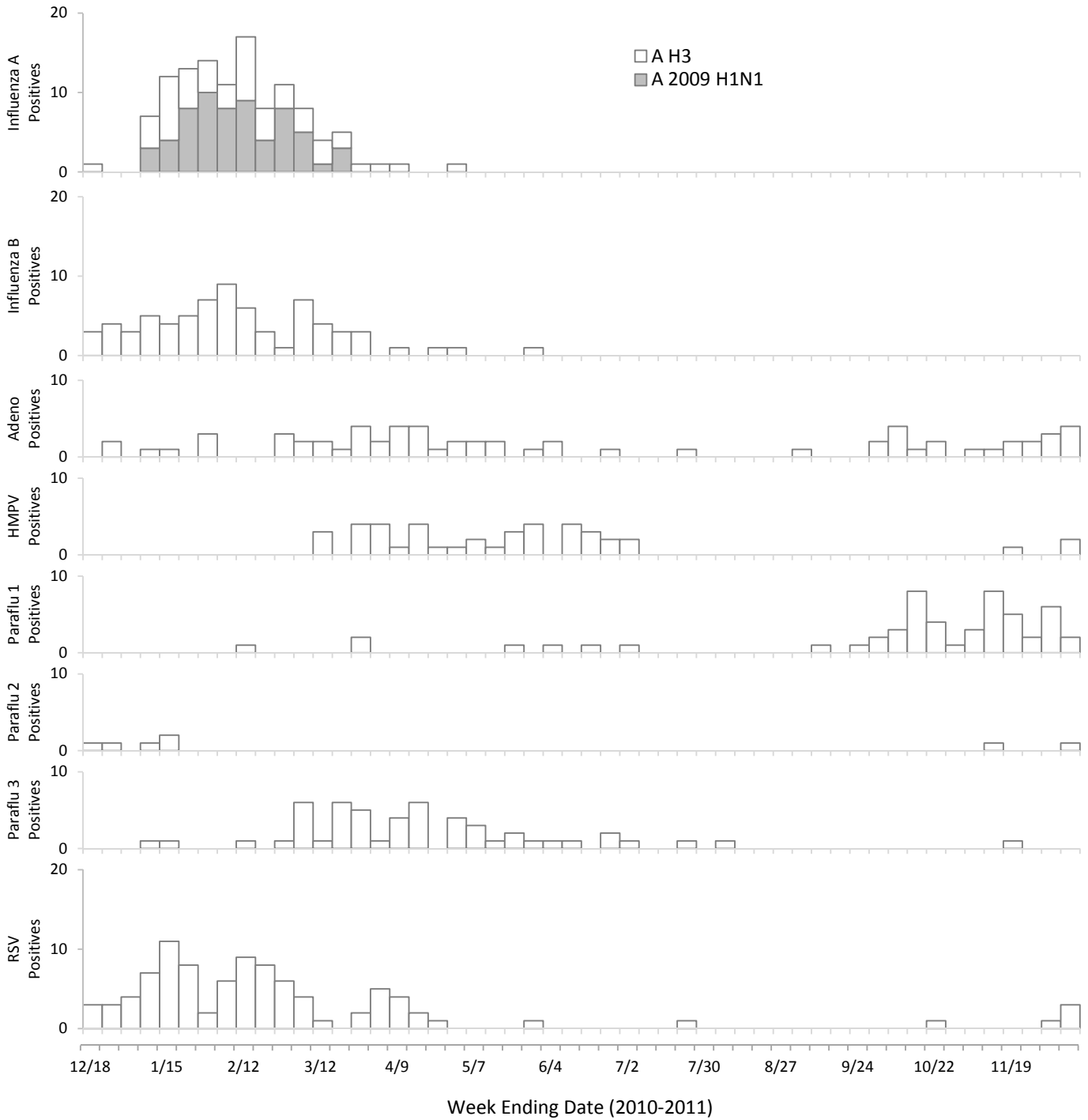


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

Parainfluenza 1 (HPIV-1), the leading cause of croup in children, has been circulating at high levels in Southern Nevada. The Centers for Disease Control and Prevention offers additional information regarding HPIV-1 and other HPIV pathogens at <http://www.cdc.gov/ncidod/dvrd/revb/respiratory/hpivfeat.htm>

We are currently seeking medical practices that specialize in pediatric patients to participate in the PEWSS program. For more information about becoming a PEWSS sentinel site, please contact the SNHD Office of Epidemiology at 702.759.1299.