

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: December 17, 2012

All Reporting Sites, Through the Week Ending December 15, 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 December 15, 2012, the following viruses were identified through PEWSS with a high volume of testing (Fig. 1): Influenza A, Influenza B, Adenovirus, Parainfluenza 3 and RSV.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS: RSV has been circulating at high levels.

Parainfluenza 2 and Parainfluenza 3 have been circulating at low levels.

Influenza A, Influenza B, Adenovirus and Parainfluenza 1 have been sporadically identified.

Human Metapneumovirus has not been identified.

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

PCR Testing Results	Week Ending										Past 5 Weeks Circulation Levels
	11/17		11/24		12/1		12/8		12/15		
	n	%	n	%	n	%	n	%	n	%	
All negative	7	58%	7	50%	10	42%	13	46%	14	45%	
Influenza A Positive	0	0%	0	0%	0	0%	0	0%	1	3%	Sporadic
Influenza B Positive	0	0%	0	0%	1	4%	0	0%	2	6%	Sporadic
Adenovirus Positive	0	0%	1	7%	0	0%	3	11%	3	10%	Sporadic
Human Metapneumovirus Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Parainfluenza 1 Positive	0	0%	0	0%	2	8%	1	4%	0	0%	Sporadic
Parainfluenza 2 Positive	2	17%	3	21%	7	29%	2	7%	0	0%	Low
Parainfluenza 3 Positive	2	17%	2	14%	1	4%	3	11%	1	3%	Low
RSV Positive	1	8%	1	7%	3	13%	8	29%	11	35%	High
Co-infections	0	0%	0	0%	0	0%	2	7%	1	3%	
Specimens Tested	12	-	14	-	24	-	28	-	31	-	High Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	11/17		11/24		12/1		12/8		12/15		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	-	0	-	1	100%	1	100%

Figure 1 - Weekly Number of Specimens Tested

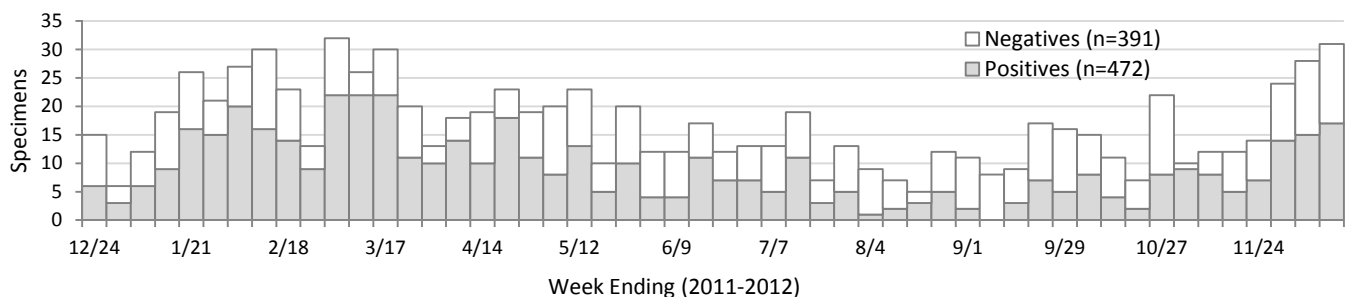
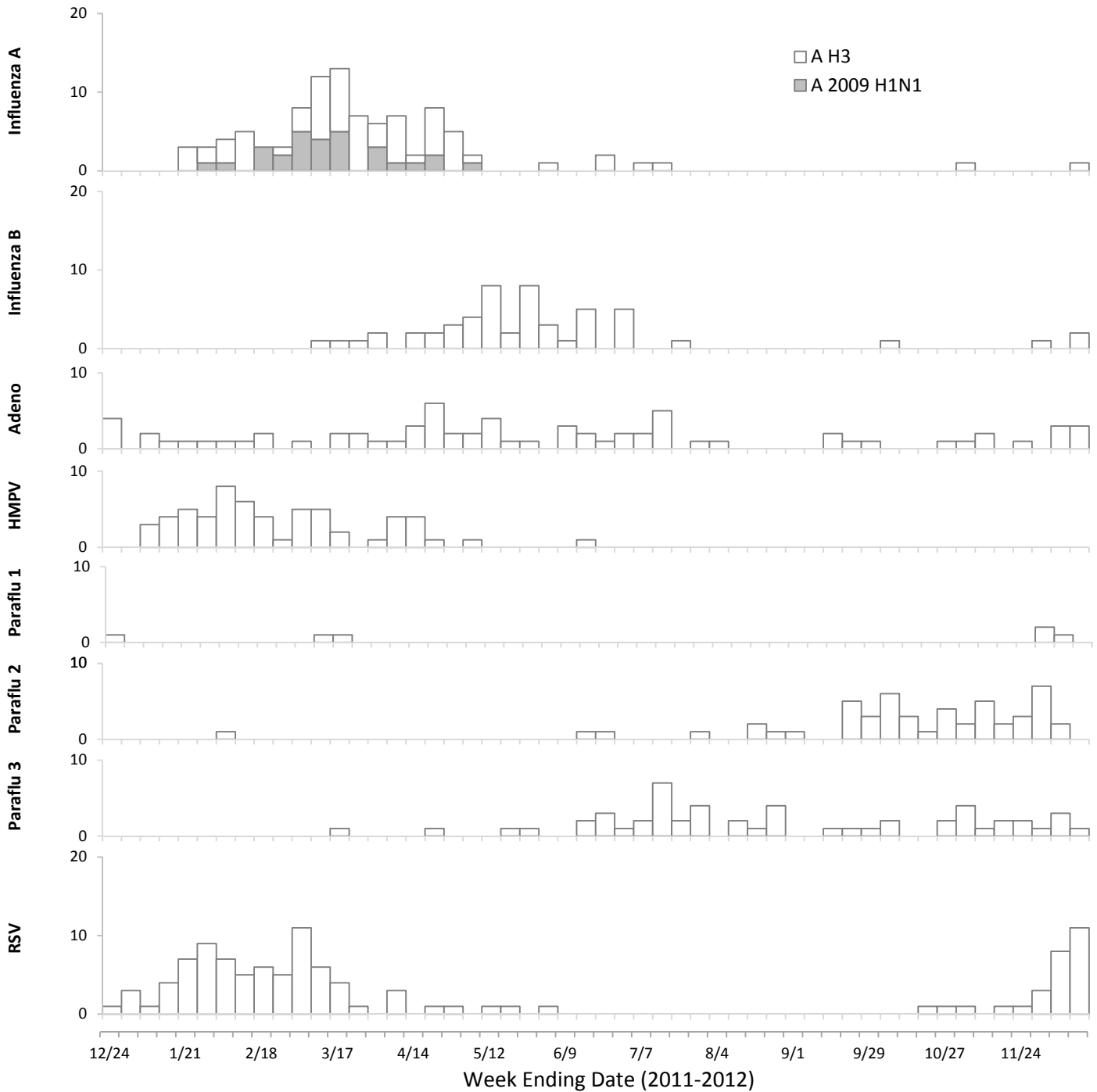


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

Respiratory syncytial virus (RSV) is circulating high levels in the community (Table 1; Fig. 2). RSV is the most common cause of bronchiolitis and pneumonia in children under 1 year of age in the U.S., and is an important cause of respiratory illness in older adults.

PEWSS detected both influenza A and B this week. The annual influenza vaccine is recommended to reduce the chance of influenza infection. As long as influenza viruses are present in the community, immunizations can provide protective benefit. The influenza vaccine is available at the Southern Nevada Health District immunization clinics. Please see <http://www.southernnevadahealthdistrict.org/immunizations/flu-shots.php> for clinic locations and hours.