

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: February 05, 2013

All Reporting Sites, Through the Week Ending February 02, 2013

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 Linh Nguyen, PhD at the SNHD Office of Epidemiology at 702.759.1300.

General Update

During the week ending February 02, 2013, 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:

Influenza A and RSV have been circulating at high levels.

Influenza B, Adenovirus and Parainfluenza 3 have been circulating at low levels.

Human Metapneumovirus and Parainfluenza 1 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										Past 5 Weeks Circulation Levels
	1/5		1/12		1/19		1/26		2/2		
	n	%	n	%	n	%	n	%	n	%	
All negative	6	29%	10	34%	6	17%	4	12%	7	30%	
Influenza A Positive	6	29%	9	31%	12	34%	18	53%	7	30%	High
Influenza B Positive	2	10%	3	10%	3	9%	2	6%	5	22%	Low
Adenovirus Positive	1	5%	1	3%	1	3%	1	3%	1	4%	Low
Human Metapneumovirus Positive	0	0%	0	0%	1	3%	0	0%	0	0%	Sporadic
Parainfluenza 1 Positive	0	0%	1	3%	0	0%	0	0%	0	0%	Sporadic
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Parainfluenza 3 Positive	0	0%	2	7%	1	3%	1	3%	1	4%	Low
RSV Positive	7	33%	5	17%	13	37%	9	26%	2	9%	High
Co-infections	1	5%	2	7%	2	6%	1	3%	0	0%	
Specimens Tested	21	-	29	-	35	-	34	-	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	
	1/5		1/12		1/19		1/26		2/2		n	%
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	0	0%	0	0%	2	17%	1	6%	1	14%	4	8%
Influenza A H1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Influenza A H3	6	100%	9	100%	10	83%	17	94%	6	86%	48	92%

Figure 1 - Weekly Number of Specimens Tested

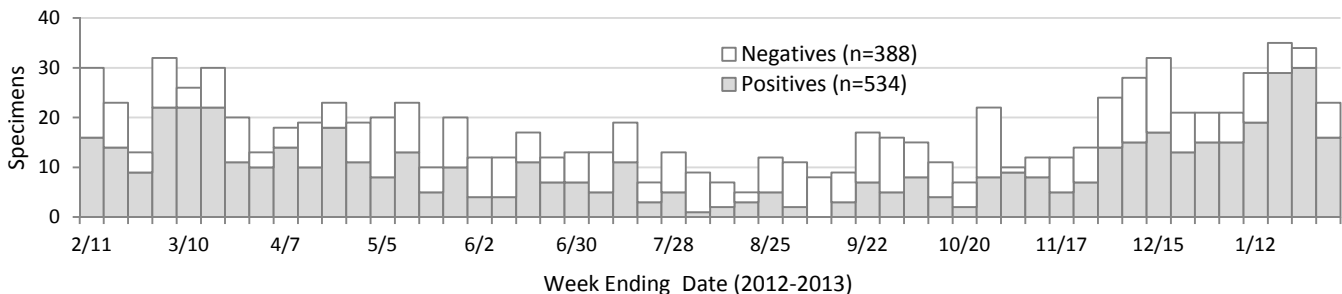
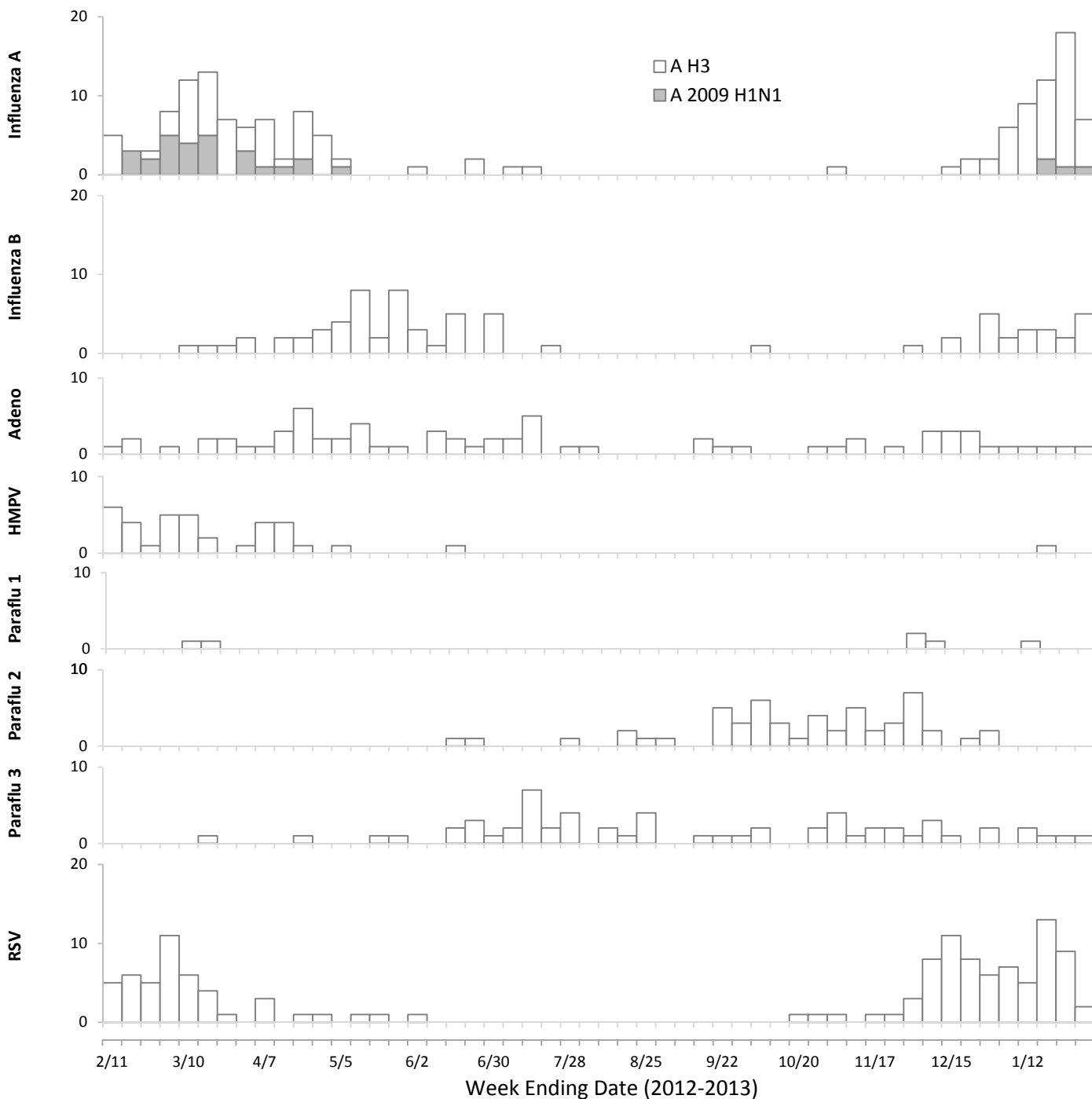


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

A high number of respiratory pathogens are circulating in Southern Nevada this week (Table 1; Fig. 2). Of these, influenza A (which includes the 2009 H1N1 strain) and RSV continue to circulate at high levels.

Seasonal influenza vaccines are made from viruses that were identified as most likely to cause illness in the upcoming influenza season. 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.