

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: January 08, 2014

All Sentinel Sites, Through the Week Ending January 04, 2014

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, MPH at the SNHD Office of Epidemiology at 702.759.1300.

General Update

During the week ending January 04, 2014, the following viruses were identified through PEWSS with a low volume of testing (Fig. 1): Influenza A, Adenovirus and Human Metapneumovirus.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS: Influenza A, Human Metapneumovirus and Parainfluenza 1 have been circulating at low levels. Adenovirus and RSV have been sporadically identified. Influenza B, Parainfluenza 2 and Parainfluenza 3 have not been identified.

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

PCR Testing Results	Week Ending										Past 5 Weeks Circulation Levels
	12/7		12/14		12/21		12/28		1/4		
	n	%	n	%	n	%	n	%	n	%	
All negative	2	50%	11	58%	4	29%	0	0%	5	45%	
Influenza A Positive	0	0%	3	16%	4	29%	4	36%	2	18%	Low
Influenza B Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Adenovirus Positive	0	0%	0	0%	0	0%	0	0%	1	9%	Sporadic
Human Metapneumovirus Positive	1	25%	3	16%	2	14%	5	45%	4	36%	Low
Parainfluenza 1 Positive	1	25%	2	11%	2	14%	1	9%	0	0%	Low
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Parainfluenza 3 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
RSV Positive	0	0%	0	0%	3	21%	1	9%	0	0%	Sporadic
Co-infections	0	0%	0	0%	1	7%	0	0%	1	9%	
Specimens Tested	4	-	19	-	14	-	11	-	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	
	12/7		12/14		12/21		12/28		1/4			
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	0	-	3	100%	4	100%	4	100%	2	100%	13	100%
Influenza A H1	0	-	0	0%	0	0%	0	0%	0	0%	0	0%
Influenza A H3	0	-	0	0%	0	0%	0	0%	0	0%	0	0%

Figure 1 - Weekly Number of Specimens Tested

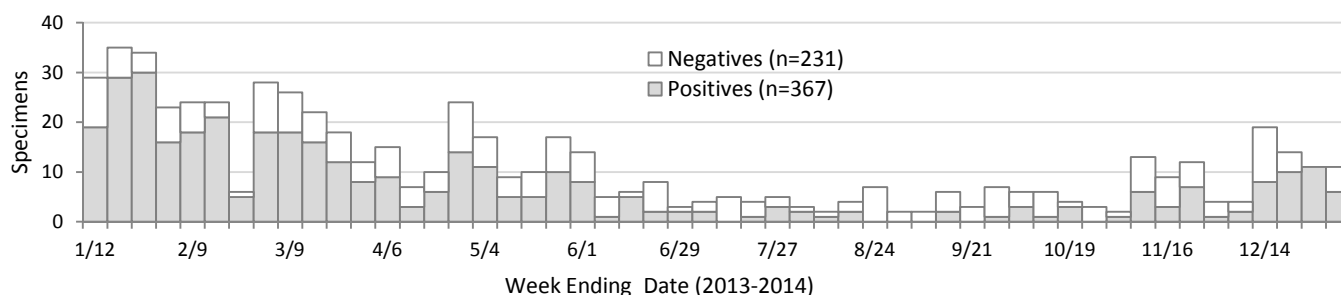
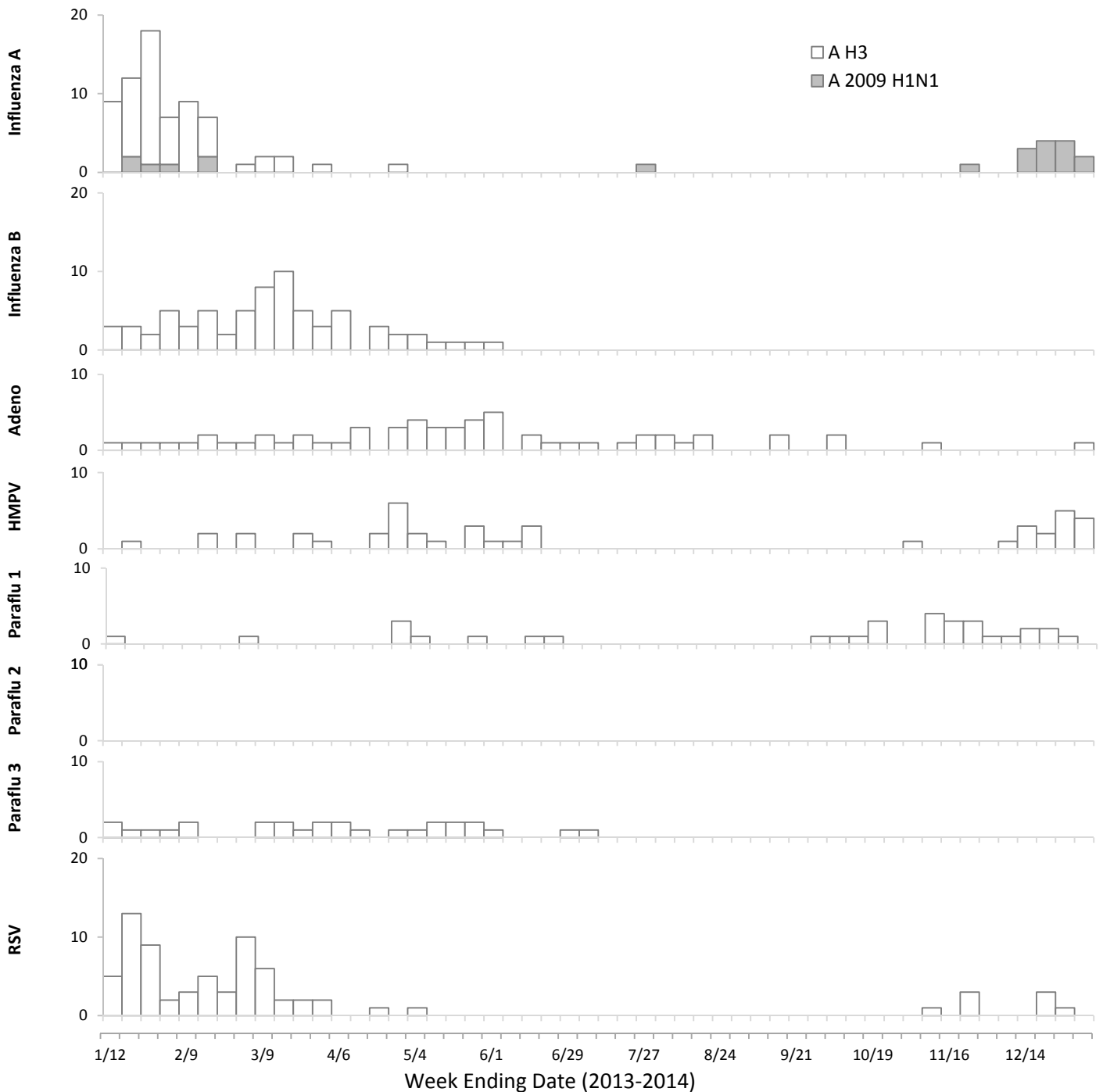


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

The Southern Nevada Health District is reporting an increase in influenza activity and has received reports of the first flu-related deaths in Clark County. The deaths were reported in 2 young adults, 1 middle-aged individual, and 2 elderly persons. All were males.

The CDC does not know exactly how many people die from seasonal flu each year. States are not required to report individual seasonal influenza cases or deaths of people >18 years of age, and seasonal flu is infrequently listed on death certificates of people who die from flu-related complications. Many seasonal flu-related deaths occur 1 or 2 weeks after a person’s initial infection.