

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: April 10, 2013

All Reporting Sites, Through the Week Ending April 06, 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 April 06, 2013, the following viruses were identified through PEWSS with a moderate volume of testing (Fig. 1): Influenza B, Adenovirus and Parainfluenza 3.

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

Influenza B has been circulating at high levels.

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

Influenza A and Human Metapneumovirus have been sporadically identified.

Parainfluenza 1 and Parainfluenza 2 have not been identified.

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

PCR Testing Results	Week Ending										Past 5 Weeks Circulation Levels
	3/9		3/16		3/23		3/30		4/6		
	n	%	n	%	n	%	n	%	n	%	
All negative	8	31%	6	27%	6	33%	4	33%	6	40%	Sporadic High Low Sporadic Not Detected Not Detected Low Low
Influenza A Positive	2	8%	2	9%	0	0%	1	8%	0	0%	
Influenza B Positive	8	32%	10	45%	5	28%	3	25%	5	36%	
Adenovirus Positive	2	8%	1	5%	2	11%	1	8%	1	7%	
Human Metapneumovirus Positive	0	0%	0	0%	2	11%	1	8%	0	0%	
Parainfluenza 1 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 2 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	
Parainfluenza 3 Positive	2	8%	2	9%	1	6%	2	17%	2	14%	
RSV Positive	6	24%	2	9%	2	11%	2	17%	0	0%	
Co-infections	3	12%	1	5%	0	0%	2	17%	0	0%	
Specimens Tested	26	-	22	-	18	-	12	-	15	-	Moderate Volume

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

Influenza A Typing (% of influenza A)	Week Ending										5-Week Totals	
	3/9		3/16		3/23		3/30		4/6			
	n	%	n	%	n	%	n	%	n	%		
Influenza A 2009 H1N1	0	0%	0	0%	0	-	0	0%	0	-	0	0%
Influenza A H1	0	0%	0	0%	0	-	0	0%	0	-	0	0%
Influenza A H3	2	100%	2	100%	0	-	1	100%	0	-	5	100%

Figure 1 - Weekly Number of Specimens Tested

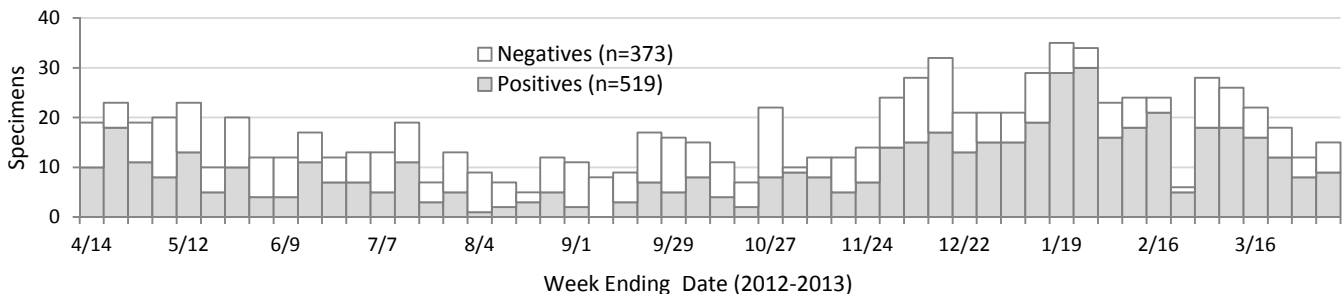
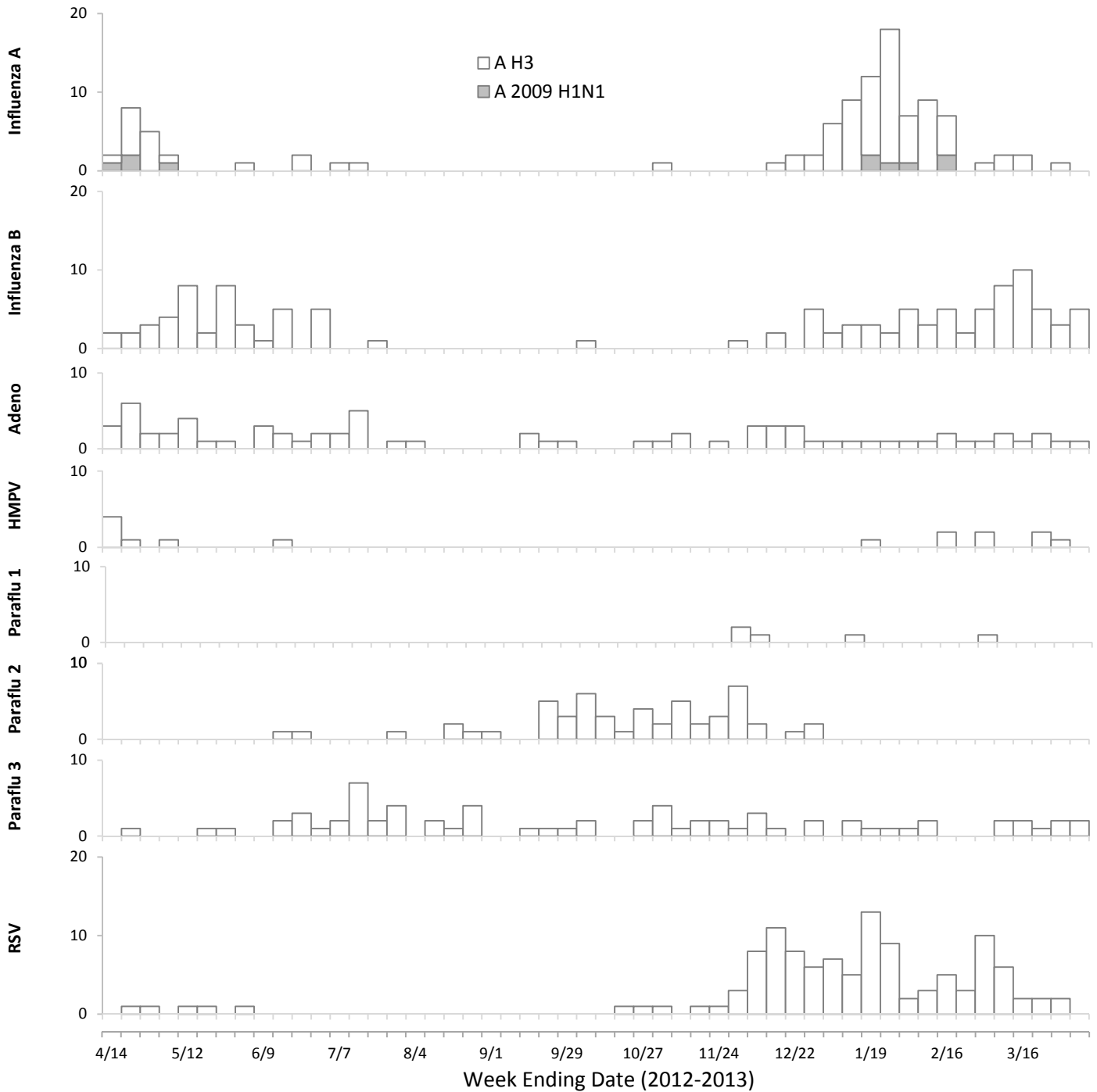


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

Influenza B continues to circulate at high levels in Southern Nevada (Table 1).

In the United States, annual influenza epidemics occur typically during the late fall through early spring (Fig 2). Influenza viruses can cause disease among people in any age group, but rates of infection are highest among children. During these annual epidemics, rates of serious illness and death are highest among people aged 65 years and older, children aged younger than 2 years, and people of any age who have medical conditions that place them at increased risk for complications from influenza. To view the CDC national and regional influenza surveillance weekly reports, please go to <http://www.cdc.gov/flu/weekly/>