

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: October 10, 2012

All Reporting Sites, Through the Week Ending October 06, 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 October 06, 2012, the following viruses were identified through PEWSS with a moderate volume of testing (Fig. 1): Influenza B, Parainfluenza 2 and Parainfluenza 3.

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

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

PCR Testing Results	Week Ending										Past 5 Weeks Circulation Levels
	9/8		9/15		9/22		9/29		10/6		
	n	%	n	%	n	%	n	%	n	%	
All negative	8	100%	6	67%	10	59%	11	69%	7	47%	
Influenza A Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Influenza B Positive	0	0%	0	0%	0	0%	0	0%	1	7%	Sporadic
Adenovirus Positive	0	0%	2	22%	1	6%	1	6%	0	0%	Sporadic
Human Metapneumovirus Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Parainfluenza 1 Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Parainfluenza 2 Positive	0	0%	0	0%	5	29%	3	19%	6	40%	Sporadic
Parainfluenza 3 Positive	0	0%	1	11%	1	6%	1	6%	2	13%	Low
RSV Positive	0	0%	0	0%	0	0%	0	0%	0	0%	Not Detected
Co-infections	0	0%	0	0%	0	0%	0	0%	1	7%	
Specimens Tested	8	-	9	-	17	-	16	-	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	
	9/8		9/15		9/22		9/29		10/6		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

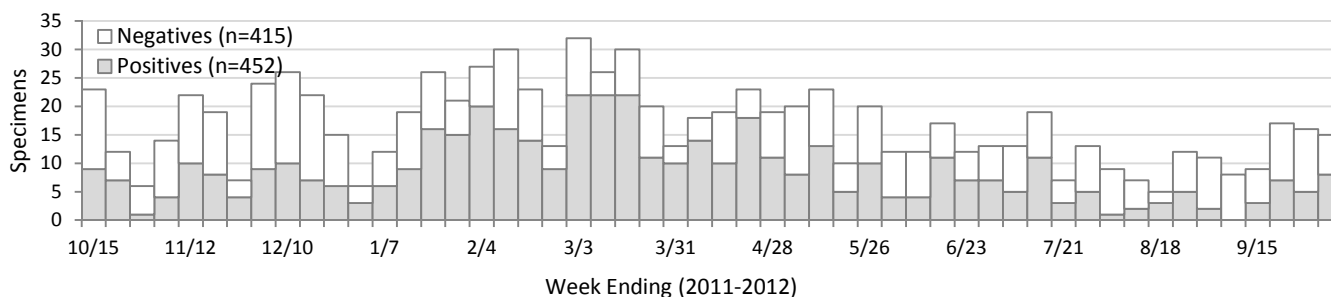
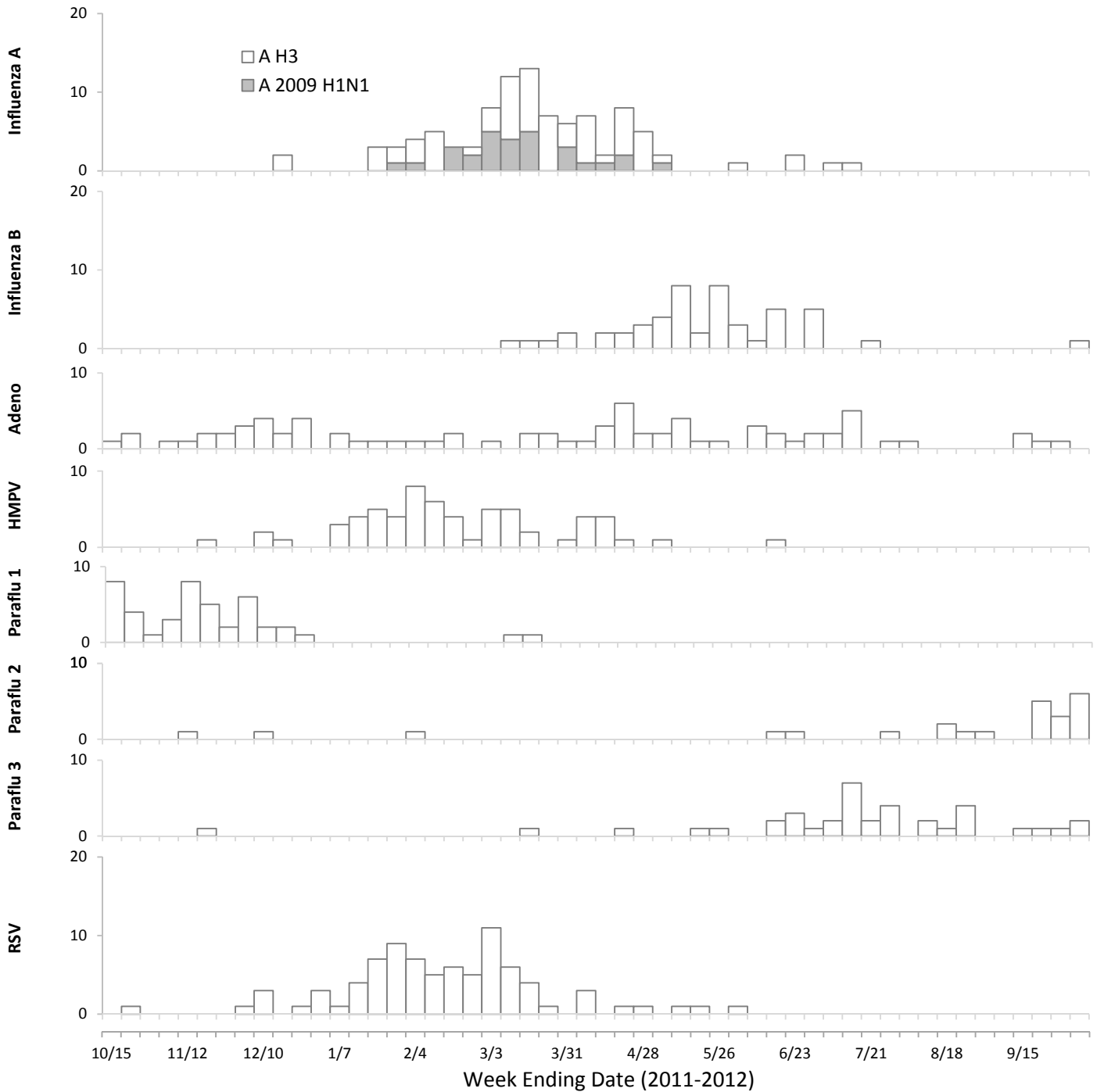


Figure 2. Weekly Positive Counts for Organisms Tested



Other News and Information

The detection of Influenza B during this surveillance period (Table 1) may signal the seasonal emergence of influenza in the community. The 2012-2013 influenza vaccine is now available at the Southern Nevada Health District immunization clinics. See <http://www.southernnevadahealthdistrict.org/immunizations/flu-shots.php> for clinic locations and hours.

Human parainfluenza viruses (HPIVs) -2 and -3 continue to circulate at low levels in the community (Fig. 2). The most distinctive clinical feature of HPIV-2 is croup, while HPIV-3 is more often associated with bronchiolitis and pneumonia.