

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: November 24, 2010

All Reporting Sites, Through the Week Ending November 20, 2010

General Update

The Southern Nevada Health District (SNHD) Pediatric Early Warning Sentinel Surveillance (PEWSS) has detected Influenza A, Influenza B, Adenovirus, Parainfluenza 2, Parainfluenza 3, and RSV for the week ending November 20, 2010. Adenovirus was detected twice (12% of the total number of specimens tested), and all other viruses were each detected once (each virus comprised 6% of the total) (Table 1). All of these viruses were observed from different patient specimens.

The detection of Influenza A (further subtyped to be strain H3), Influenza B, and Parainfluenza 3 (Fig. 2) this surveillance period, coupled with the sustained presence of Adenovirus, Parainfluenza 2, and RSV in the past five weeks (Table 1), may signal that the number of respiratory viruses circulating in southern Nevada is rapidly rising. Furthermore, the number of specimens tested has increased from past weeks (Fig. 1), which might indicate that PEWSS sentinel sites are encountering an increase in ill patients who can provide specimens for testing.

The PEWSS reports are disseminated weekly to the medical community 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.

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

Testing Results	Week Ending										Project to Date	
	10/23		10/30		11/6		11/13		11/20		Since 6/1/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	9	90	5	56	4	44	8	67	10	59	190	68
Influenza A Positive*	0	0	0	0	0	0	0	0	1	6	2	1
Influenza A 2009 H1N1	0	0	0	0	0	0	0	0	0	0	1	0
Influenza A H1 Positive	0	0	0	0	0	0	0	0	0	0	0	0
Influenza A H3 Positive	0	0	0	0	0	0	0	0	1	6	1	0
Influenza B Positive	0	0	0	0	0	0	0	0	1	6	2	1
Adenovirus Positive	1	10	1	11	2	22	1	8	2	12	20	7
Human Metapneumovirus Positive	0	0	0	0	0	0	0	0	0	0	1	0
Parainfluenza 1 Positive	0	0	0	0	1	11	0	0	0	0	11	4
Parainfluenza 2 Positive	0	0	3	33	2	22	1	8	1	6	17	6
Parainfluenza 3 Positive	0	0	0	0	0	0	0	0	1	6	32	11
RSV Positive	0	0	0	0	0	0	2	17	1	6	6	2
Coinfections	0	0	0	0	0	0	0	0	0	0	2	1
Specimens Tested	10		9		9		12		17		279	

* Includes Influenza of all subtypes

Figure 1 - Weekly Number of Specimens Tested

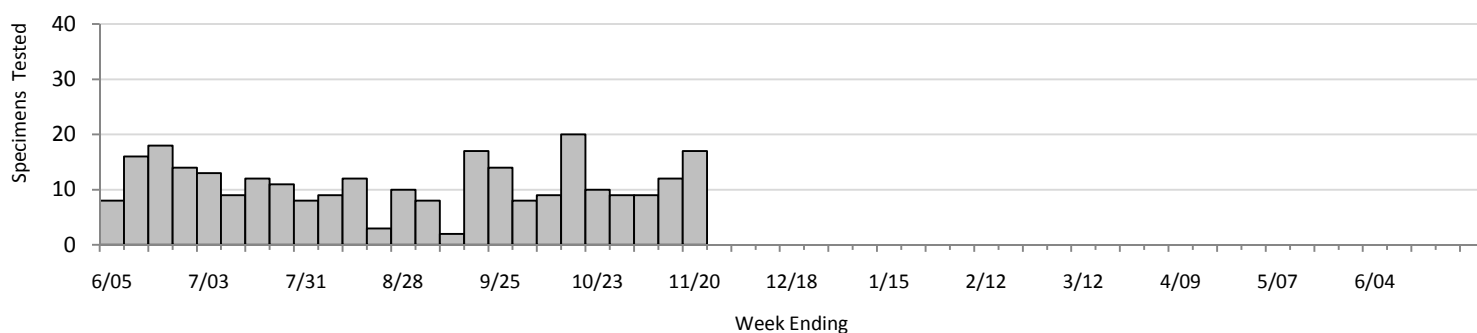


Figure 2 - Weekly Positivity Rates for Organisms Tested

