

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: December 08, 2010

All Reporting Sites, Through the Week Ending December 04, 2010

General Update

The Southern Nevada Health District (SNHD) Pediatric Early Warning Sentinel Surveillance (PEWSS) has detected Influenza B, Adenovirus, Human Parainfluenza 2, and RSV for the week ending December 4, 2010. Influenza B and Adenovirus were each detected twice (each virus comprised 11% of the total number of specimens tested), and Parainfluenza 2 and RSV were each detected three times (each virus comprised 17% of the total) (Table 1). All of these viruses were observed from different patient specimens.

The persistent detection of these four viruses in the past weeks (Fig. 2), especially Parainfluenza 2 and RSV, continues to suggest that the levels of circulating respiratory pathogens are increasing in southern Nevada. Human parainfluenza viruses (HPIVs) and RSV are the top two common causes of lower respiratory tract disease in young children. Among the elderly and those with compromised immune systems, HPIVs can also cause serious lower respiratory tract disease.

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	
	11/6		11/13		11/20		11/27		12/4		Since 6/1/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	4	44	8	67	10	59	2	100	8	44	199	67
Influenza A Positive*	0	0	0	0	1	6	0	0	0	0	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	1	6	0	0	0	0	1	0
Influenza B Positive	0	0	0	0	1	6	0	0	2	11	4	1
Adenovirus Positive	2	22	1	8	2	12	0	0	2	11	22	7
Human Metapneumovirus Positive	0	0	0	0	0	0	0	0	0	0	1	0
Parainfluenza 1 Positive	1	11	0	0	0	0	0	0	0	0	11	4
Parainfluenza 2 Positive	2	22	1	8	1	6	0	0	3	17	20	7
Parainfluenza 3 Positive	0	0	0	0	1	6	0	0	0	0	32	11
RSV Positive	0	0	2	17	1	6	0	0	3	17	9	3
Coinfections	0	0	0	0	0	0	0	0	0	0	2	1
Specimens Tested	9		12		17		2		18		298	

* Includes Influenza of all subtypes

Figure 1 - Weekly Number of Specimens Tested

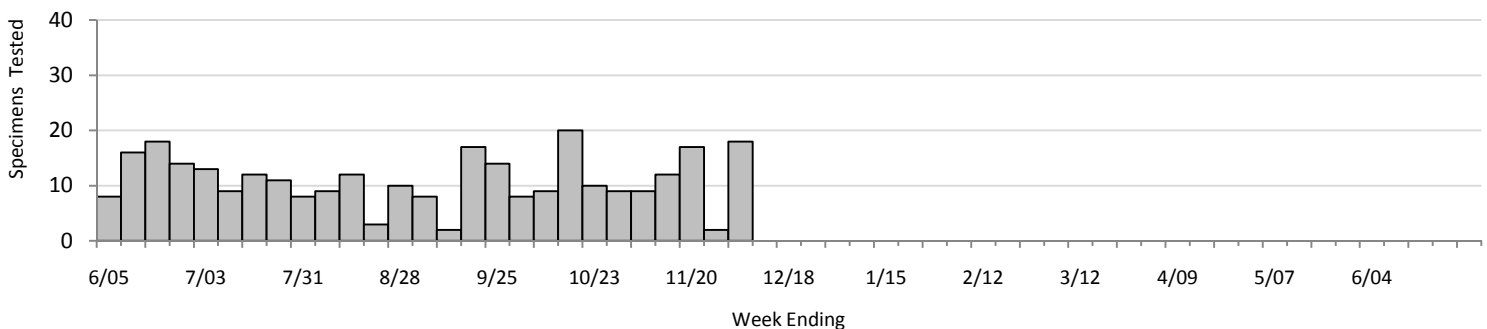


Figure 2 - Weekly Positivity Rates for Organisms Tested

