

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: December 29, 2010

All Reporting Sites, Through the Week Ending December 25, 2010

General Update

The Southern Nevada Health District (SNHD) Pediatric Early Warning Sentinel Surveillance (PEWSS) has detected Adenovirus, Influenza B, Human Parainfluenza Virus 1 and RSV for the week ending December 25, 2010.

Influenza B was detected in 36% of patient specimens submitted, an increase over the previous week (Table 1). Antigenic characterization performed by the Centers for Disease Control and Prevention indicates that the influenza B strain circulating nationwide is identical to that strain that is contained in the 2010-2011 vaccine.

Parainfluenza 2 continues to circulate in the community, and has been identified in a single patient specimen in each of the past three weeks.

RSV also continues to circulate in the community; the majority of cases have been identified in children aged one through four. RSV activity typically occurs through March, and is highest during the month of January.

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	
	11/27		12/4		12/11		12/18		12/25		Since 6/1/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	2	100	8	44	9	43	6	43	1	9	215	63
Influenza A Positive*	0	0	0	0	0	0	1	7	0	0	3	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	1	7	0	0	2	1
Influenza B Positive	0	0	2	11	5	24	3	21	4	36	16	5
Adenovirus Positive	0	0	2	11	0	0	0	0	2	18	24	7
Human Metapneumovirus Positive	0	0	0	0	0	0	0	0	0	0	1	0
Parainfluenza 1 Positive	0	0	0	0	1	5	0	0	0	0	12	3
Parainfluenza 2 Positive	0	0	3	17	1	5	1	7	1	9	23	7
Parainfluenza 3 Positive	0	0	0	0	1	5	0	0	0	0	33	10
RSV Positive	0	0	3	17	4	19	3	21	3	27	19	6
Coinfections	0	0	0	0	0	0	0	0	0	0	2	1
Specimens Tested	2		18		21		14		11		344	

* Includes Influenza of all subtypes

Figure 1 - Weekly Number of Specimens Tested

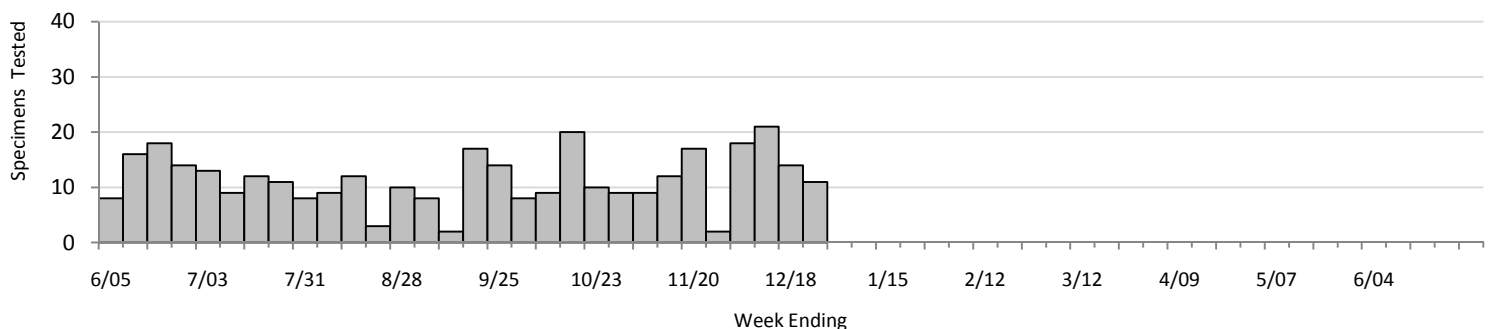


Figure 2 - Weekly Positivity Rates for Organisms Tested

