

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: December 15, 2010

All Reporting Sites, Through the Week Ending December 11, 2010

General Update

The Southern Nevada Health District (SNHD) Pediatric Early Warning Sentinel Surveillance (PEWSS) has detected Influenza B, Human Parainfluenza Viruses 1, 2, and 3, and RSV for the week ending December 11, 2010.

Influenza B was detected in 24% of patient specimens submitted, an increase over the two previous weeks (Table 1). While there are not sufficient data to indicate a trend at this time, national influenza surveillance has identified increasing influenza B activity nationwide. Antigenic characterization performed by the Centers for Disease Control and Prevention has classified all tested influenza B viruses as B/Brisbane/60/2008-like, the influenza B component of the 2010-2011 influenza vaccine.

The identification of RSV activity in the two most recent weeks is not unexpected; RSV activity typically peaks in mid- to late-January, and the percentage of specimens from which RSV is identified is expected to increase over the next few weeks. Parainfluenza 2 continues to circulate, and it has been identified in 6 of the last 7 weeks.

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	
	11/13		11/20		11/27		12/4		12/11		Since 6/1/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	8	67	10	59	2	100	8	44	9	43	208	65
Influenza A Positive*	0	0	1	6	0	0	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	1	6	0	0	0	0	0	0	1	0
Influenza B Positive	0	0	1	6	0	0	2	11	5	24	9	3
Adenovirus Positive	1	8	2	12	0	0	2	11	0	0	22	7
Human Metapneumovirus Positive	0	0	0	0	0	0	0	0	0	0	1	0
Parainfluenza 1 Positive	0	0	0	0	0	0	0	0	1	5	12	4
Parainfluenza 2 Positive	1	8	1	6	0	0	3	17	1	5	21	7
Parainfluenza 3 Positive	0	0	1	6	0	0	0	0	1	5	33	10
RSV Positive	2	17	1	6	0	0	3	17	4	19	13	4
Coinfections	0	0	0	0	0	0	0	0	0	0	2	1
Specimens Tested	12		17		2		18		21		319	

* Includes Influenza of all subtypes

Figure 1 - Weekly Number of Specimens Tested

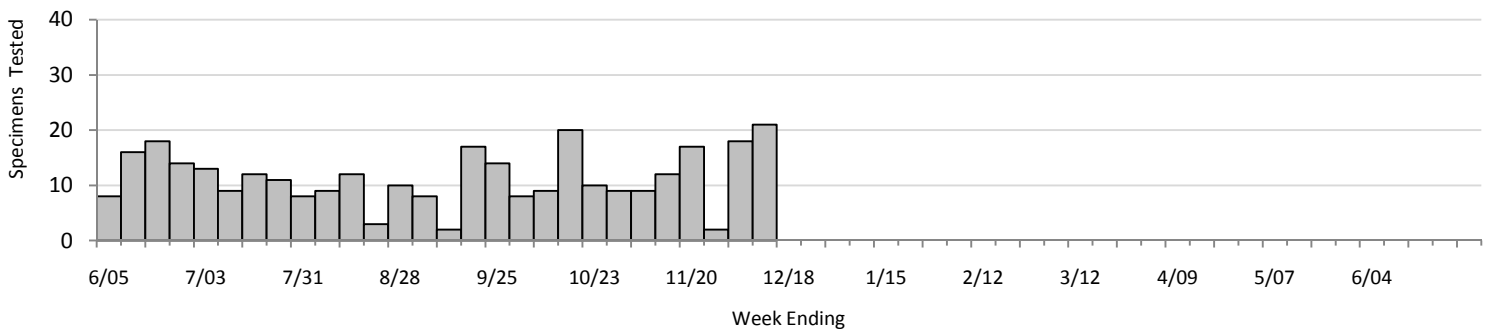


Figure 2 - Weekly Positivity Rates for Organisms Tested

