

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: November 03, 2010

All Reporting Sites, Through the Week Ending October 30, 2010

General Update

The Southern Nevada Health District (SNHD) Pediatric Early Warning Sentinel Surveillance (PEWSS) has detected Parainfluenza 2 and Adenovirus for the week ending October 30, 2010. Parainfluenza 2 was detected three times, and Adenovirus once (Table 1). All of these viruses were observed from different patient specimens.

Since Parainfluenza 2 was detected ten times in the previous three weeks (Table 1), this may signify the seasonal emergence of this pathogen as it typically causes annual or biannual outbreaks during the fall. The number of specimens tested this week has returned to the levels seen in previous weeks (Fig. 1), which might indicate that there are less respiratory illnesses detected in the community overall, because sentinel sites are encountering fewer patients who meet the illness testing criteria (a fever >100°F accompanied by a cough and/or sore throat) and can provide specimens for testing.

Other than the observed increase in Parainfluenza 2, the current levels of activity in all other respiratory viruses that PEWSS monitors appear to be low in southern Nevada (Fig. 2).

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 the PEWSS system, 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	
	10/2		10/9		10/16		10/23		10/30		Since 6/1/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	8	100	7	78	10	50	9	90	5	56	167	70
Influenza A Positive*	0	0	0	0	0	0	0	0	0	0	1	0
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	0	0	0	0
Influenza B Positive	0	0	0	0	0	0	0	0	0	0	1	0
Adenovirus Positive	0	0	1	11	1	5	1	10	1	11	15	6
Human Metapneumovirus Positive	0	0	0	0	0	0	0	0	0	0	1	0
Parainfluenza 1 Positive	0	0	1	11	1	5	0	0	0	0	10	4
Parainfluenza 2 Positive	0	0	0	0	7	35	0	0	3	33	13	5
Parainfluenza 3 Positive	0	0	0	0	0	0	0	0	0	0	31	13
RSV Positive	0	0	0	0	1	5	0	0	0	0	3	1
Coinfections	0	0	0	0	0	0	0	0	0	0	2	1
Specimens Tested	8		9		20		10		9		240	

* Includes Influenza of all subtypes

Figure 1 - Weekly Number of Specimens Tested

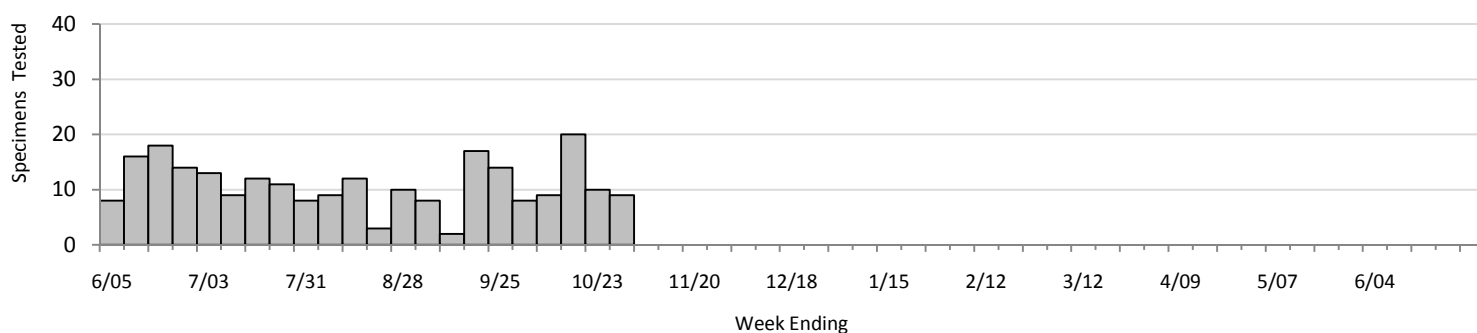


Figure 2 - Weekly Positivity Rates for Organisms Tested

