

SNHD Pediatric Early Warning Surveillance System (PEWSS) Report: September 15, 2010

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

General Update

The Pediatric Early Warning Sentinel Surveillance (PEWSS) has not detected any of the ten monitored respiratory viruses for the week ending September 11, 2010. However, Influenza 2009 A (H1N1) and Influenza B have been detected the previous two weeks (Table 1). Each virus was detected once, and from different patient specimens.

The PEWSS program sentinel sites collected samples from children who present with a fever >100°F accompanied by a cough and/or sore throat. The number of specimens tested this week was very low (Fig. 1), which may indicate that there are less respiratory illnesses detected in the community, because sentinel sites are encountering fewer patients who meet the illness testing criteria and can provide specimens for testing.

Currently, PEWSS has detected low levels of activity in all ten monitored respiratory viruses in southern Nevada.

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

Testing Results	Week Ending										Project to Date	
	8/14		8/21		8/28		9/4		9/11		Since 6/1/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	8	67	3	100	6	60	7	88	2	100	98	64
Influenza A Positive*	0	0	0	0	1	10	0	0	0	0	1	1
Influenza A 2009 H1N1	0	0	0	0	1	10	0	0	0	0	1	1
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	1	10	0	0	0	0	1	1
Adenovirus Positive	2	17	0	0	0	0	0	0	0	0	11	7
Human Metapneumovirus Positive	0	0	0	0	0	0	0	0	0	0	1	1
Parainfluenza 1 Positive	1	8	0	0	1	10	0	0	0	0	7	5
Parainfluenza 2 Positive	0	0	0	0	0	0	1	13	0	0	3	2
Parainfluenza 3 Positive	1	8	0	0	1	10	0	0	0	0	31	20
RSV Positive	0	0	0	0	0	0	0	0	0	0	2	1
Coinfections	0	0	0	0	0	0	0	0	0	0	2	1
Specimens Tested	12		3		10		8		2		153	

* Includes Influenza of all subtypes

Figure 1 - Weekly Number of Specimens Tested

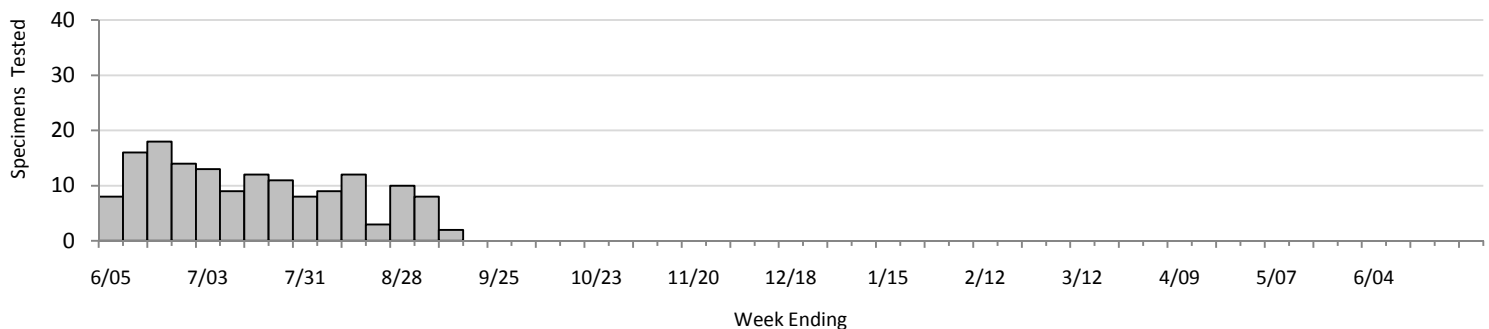


Figure 2 - Weekly Positivity Rates for Organisms Tested

