

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: February 09, 2011

All Reporting Sites, Through the Week Ending February 05, 2011

General Update

The Southern Nevada Health District (SNHD) Pediatric Early Warning Sentinel Surveillance (PEWSS) has detected Influenza A 2009 H1N1, Influenza A H3, Influenza B, and RSV for the week ending February 5, 2011.

Multiple test organisms detected from the same specimen are listed as co-infections, and as of June 2010, nine co-infections have been detected (Table 1). Of these, all but one co-infections involved RSV, with either Influenza or Human Parainfluenza Virus 3 as the second pathogen.

January and February are typically peak months for Influenza and RSV, which may explain the persistent detection of these respiratory viruses in Southern Nevada (Fig. 2). The comparatively high number of specimens submitted in the last month (Fig. 1) may indicate that there are more respiratory illnesses in the community, because sentinel sites are encountering more patients who meet illness testing criteria.

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

PCR Testing Results	Week Ending										Project to Date	
	1/8		1/15		1/22		1/29		2/5		Since 6/1/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	7	26	9	24	12	33	12	32	14	36	273	51
Influenza A Positive*	7	26	12	32	13	36	14	37	11	28	60	11
Influenza A 2009 H1N1	3	11	4	11	8	22	10	26	8	21	34	6
Influenza A H1 Positive	0	0	0	0	0	0	0	0	0	0	0	0
Influenza A H3 Positive	4	15	8	21	5	14	4	11	3	8	26	5
Influenza B Positive	4	15	4	11	5	14	7	18	9	23	48	9
Adenovirus Positive	1	4	1	3	0	0	3	8	0	0	29	5
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	0	0	12	2
Parainfluenza 2 Positive	1	4	2	5	0	0	0	0	0	0	26	5
Parainfluenza 3 Positive	1	4	1	3	0	0	0	0	0	0	35	7
RSV Positive	7	26	11	29	8	22	2	5	6	15	57	11
Coinfections	1	4	2	5	2	6	0	0	1	3	9	2
Specimens Tested	27		38		36		38		39		532	

* Includes Influenza of all subtypes

Figure 1 - Weekly Number of Specimens Tested

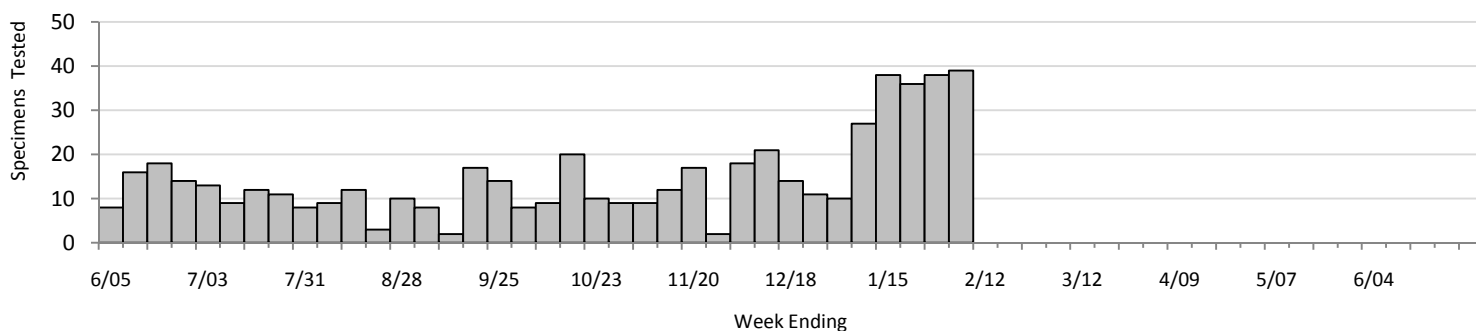


Figure 2 - Weekly Positivity Rates for Organisms Tested

