

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: January 05, 2011

All Reporting Sites, Through the Week Ending January 01, 2011

General Update

The Southern Nevada Health District (SNHD) Pediatric Early Warning Sentinel Surveillance (PEWSS) has detected Influenza B and RSV for the week ending January 1, 2011.

Influenza B was detected in 30%, and RSV in 40%, of patient specimens submitted (Table 1). Both of these test organisms were detected from one patient specimen (Co-infection, Table 1). RSV activity is expected to remain high (Fig. 2) in Southern Nevada, as it is typically highest during the month of January.

The PEWSS reports will now include the age distributions of pediatric patients tested and those who tested positive for any of the ten respiratory viruses monitored by PEWSS (Fig. 3). Knowledge of the viral activity currently circulating in the community and the age groups of patients most frequently infected by these viruses may aid clinicians in assessing the treatment options for their patients.

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	
	12/4		12/11		12/18		12/25		1/1		Since 6/1/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	8	44	9	43	6	43	1	9	4	40	219	62
Influenza A Positive*	0	0	0	0	1	7	0	0	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	1	7	0	0	0	0	2	1
Influenza B Positive	2	11	5	24	3	21	4	36	3	30	19	5
Adenovirus Positive	2	11	0	0	0	0	2	18	0	0	24	7
Human Metapneumovirus Positive	0	0	0	0	0	0	0	0	0	0	1	0
Parainfluenza 1 Positive	0	0	1	5	0	0	0	0	0	0	12	3
Parainfluenza 2 Positive	3	17	1	5	1	7	1	9	0	0	23	6
Parainfluenza 3 Positive	0	0	1	5	0	0	0	0	0	0	33	9
RSV Positive	3	17	4	19	3	21	3	27	4	40	23	6
Coinfections	0	0	0	0	0	0	0	0	1	10	3	1
Specimens Tested	18		21		14		11		10		354	

* Includes Influenza of all subtypes

Figure 1 - Weekly Number of Specimens Tested

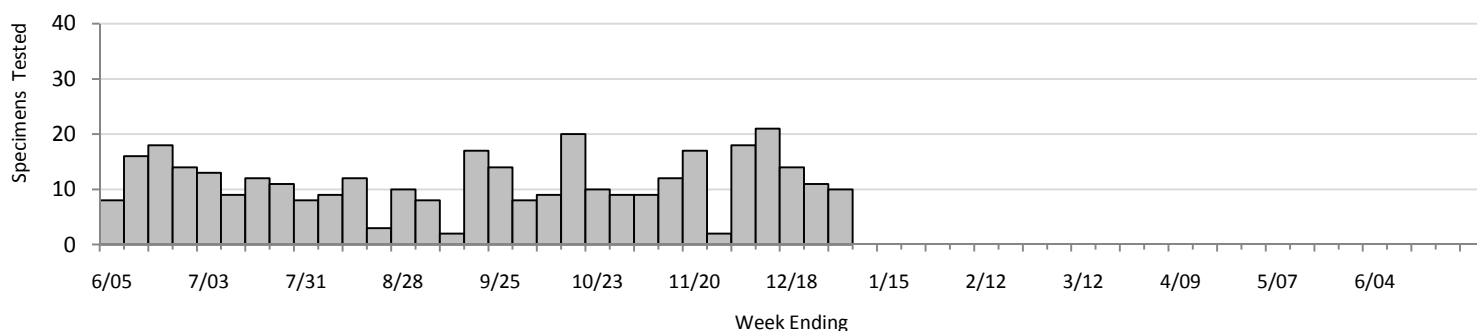


Figure 2 - Weekly Positivity Rates for Organisms Tested

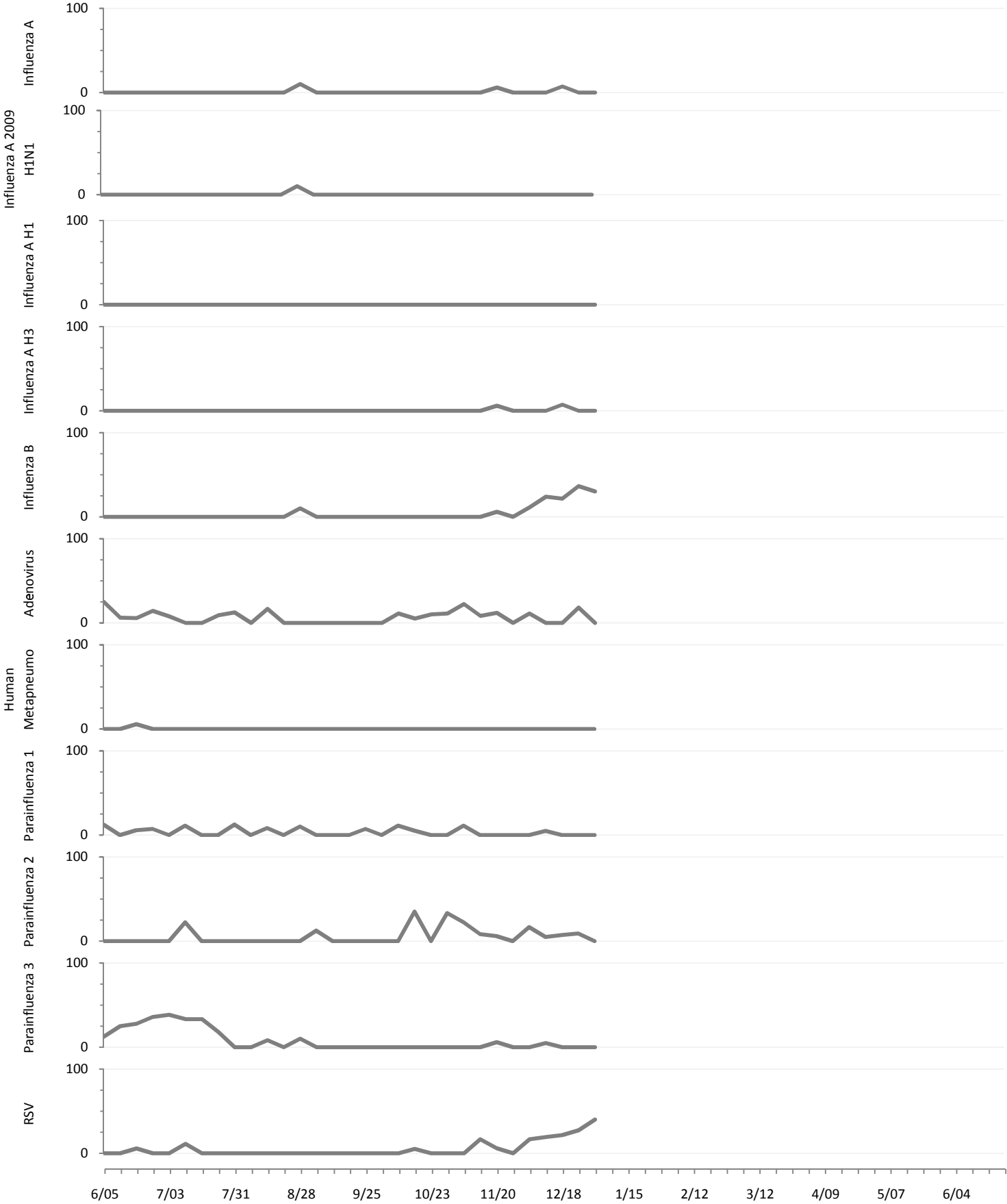


Figure 3. Age distributions of patients from whom specimens were tested and who tested positive

