

# SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: January 19, 2011

All Reporting Sites, Through the Week Ending January 15, 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, Adenovirus, Parainfluenza 2, Parainfluenza 3 and RSV for the week ending January 15, 2011.

We observed a marked increase in patient specimens submitted in the past two surveillance periods (Fig. 1). This increase was most likely due to the addition of a fifth sentinel site to the surveillance program, and an increase in the number and intensity of circulating viral respiratory pathogens in the community (Table 1).

As with last week, Influenza A and RSV continue to dominate our findings (Fig. 2), with these two viruses comprising 58% (20 of 35) of specimens tested. Further classification of the Influenza A specimens at the Southern Nevada Public Health Laboratory shows that they are Influenza A 2009 H1N1 and Influenza A H3. At national levels, antigenic characterization has indicated the three influenza strains that have been circulating match those included in the 2010-2011 trivalent influenza vaccine.

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	
	12/18		12/25		1/1		1/8		1/15		Since 6/1/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	6	43	1	9	4	40	7	26	8	23	234	56
Influenza A Positive*	1	7	0	0	0	0	7	26	10	29	20	5
Influenza A 2009 H1N1	0	0	0	0	0	0	3	11	3	9	7	2
Influenza A H1 Positive	0	0	0	0	0	0	0	0	0	0	0	0
Influenza A H3 Positive	1	7	0	0	0	0	4	15	7	20	13	3
Influenza B Positive	3	21	4	36	3	30	4	15	4	11	27	6
Adenovirus Positive	0	0	2	18	0	0	1	4	1	3	26	6
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	3
Parainfluenza 2 Positive	1	7	1	9	0	0	1	4	2	6	26	6
Parainfluenza 3 Positive	0	0	0	0	0	0	1	4	1	3	35	8
RSV Positive	3	21	3	27	4	40	7	26	10	29	40	10
Coinfections	0	0	0	0	1	10	1	4	1	3	5	1
Specimens Tested	14		11		10		27		35		416	

\* Includes Influenza of all subtypes

**Figure 1 - Weekly Number of Specimens Tested**

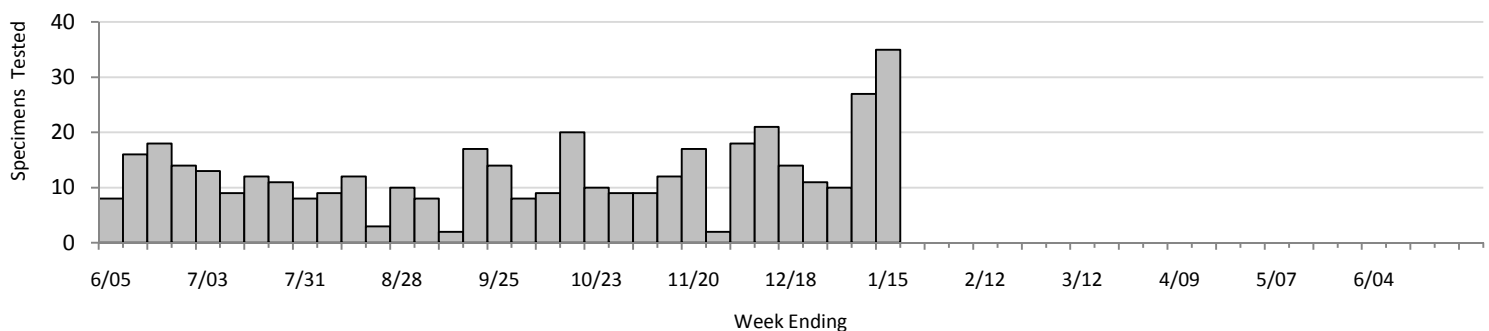
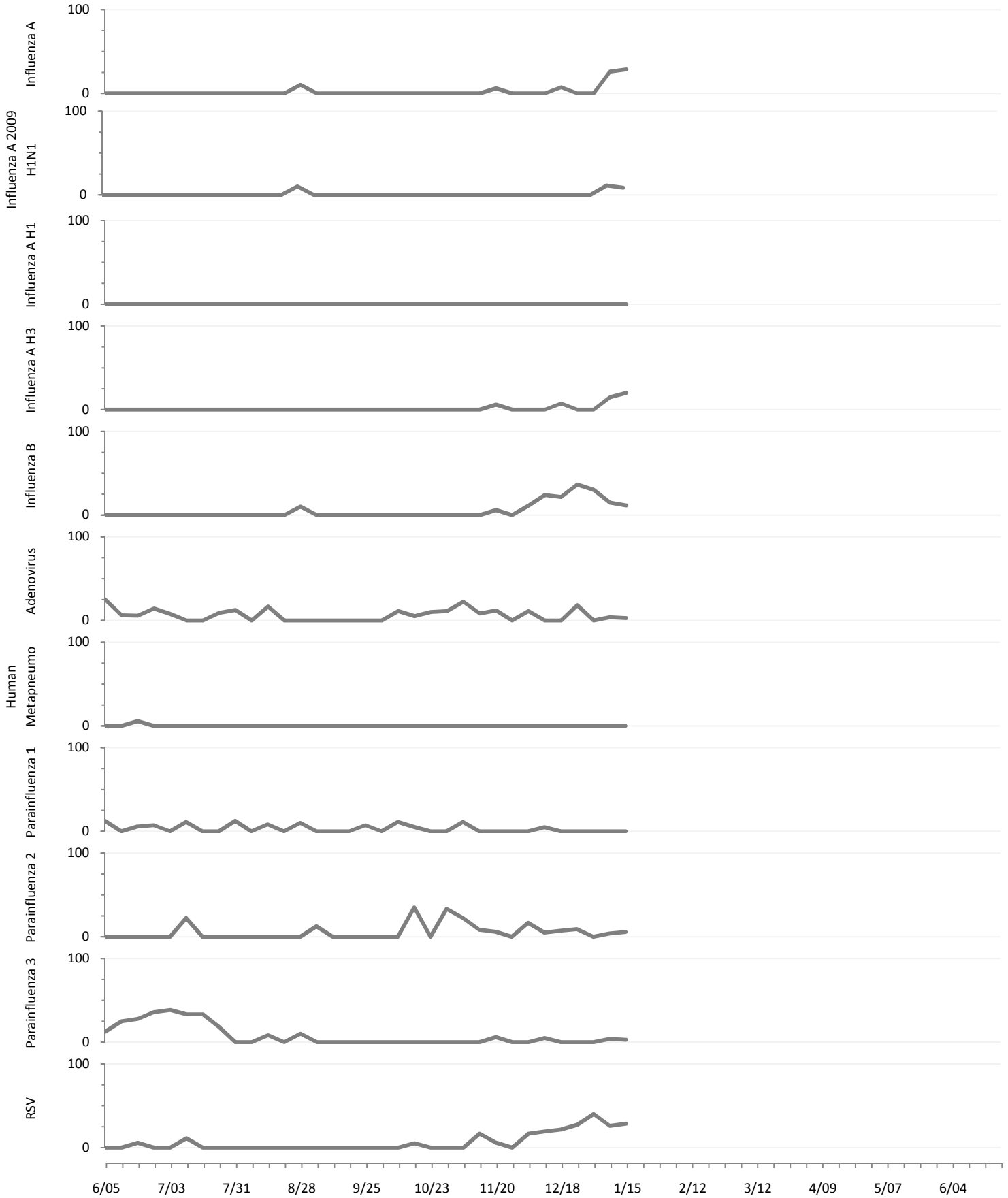


Figure 2 - Weekly Positivity Rates for Organisms Tested



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

