

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: January 26, 2011

All Reporting Sites, Through the Week Ending January 22, 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 January 22, 2011.

We observed an increase in the number of patient specimens submitted in the past three surveillance periods (Fig. 1), which may indicate that sentinel sites are encountering more ill patients who can provide test specimens. The continual detection of Influenza A and B, and RSV (Table 1) in Southern Nevada is consistent with national trends for this time of year.

At the national level, testing for antiviral drugs resistance since October 1, 2010 revealed no resistance against oseltamivir or zanamivir for Influenza A (H1N1 and H3) or Influenza B. However, adamantanes show high levels of resistance to Influenza A, and have no effect on Influenza B.

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	
	12/25		1/1		1/8		1/15		1/22		Since 6/1/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	1	9	4	40	7	26	9	24	12	38	247	55
Influenza A Positive*	0	0	0	0	7	26	12	32	9	28	31	7
Influenza A 2009 H1N1	0	0	0	0	3	11	4	11	5	16	13	3
Influenza A H1 Positive	0	0	0	0	0	0	0	0	0	0	0	0
Influenza A H3 Positive	0	0	0	0	4	15	8	21	4	13	18	4
Influenza B Positive	4	36	3	30	4	15	4	11	5	16	32	7
Adenovirus Positive	2	18	0	0	1	4	1	3	0	0	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	9	0	0	1	4	2	5	0	0	26	6
Parainfluenza 3 Positive	0	0	0	0	1	4	1	3	0	0	35	8
RSV Positive	3	27	4	40	7	26	11	29	8	25	49	11
Coinfections	0	0	1	10	1	4	2	5	2	6	8	2
Specimens Tested	11		10		27		38		32		451	

* Includes Influenza of all subtypes

Figure 1 - Weekly Number of Specimens Tested

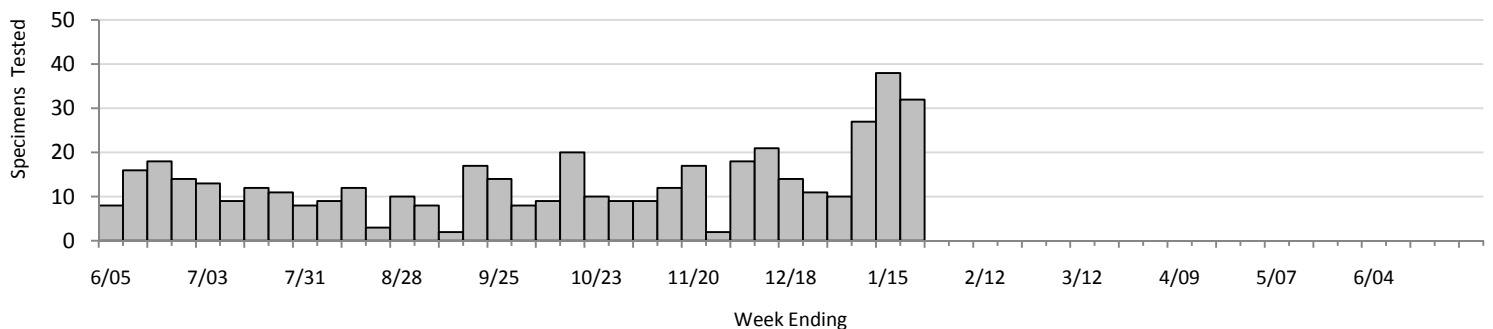


Figure 2 - Weekly Positivity Rates for Organisms Tested

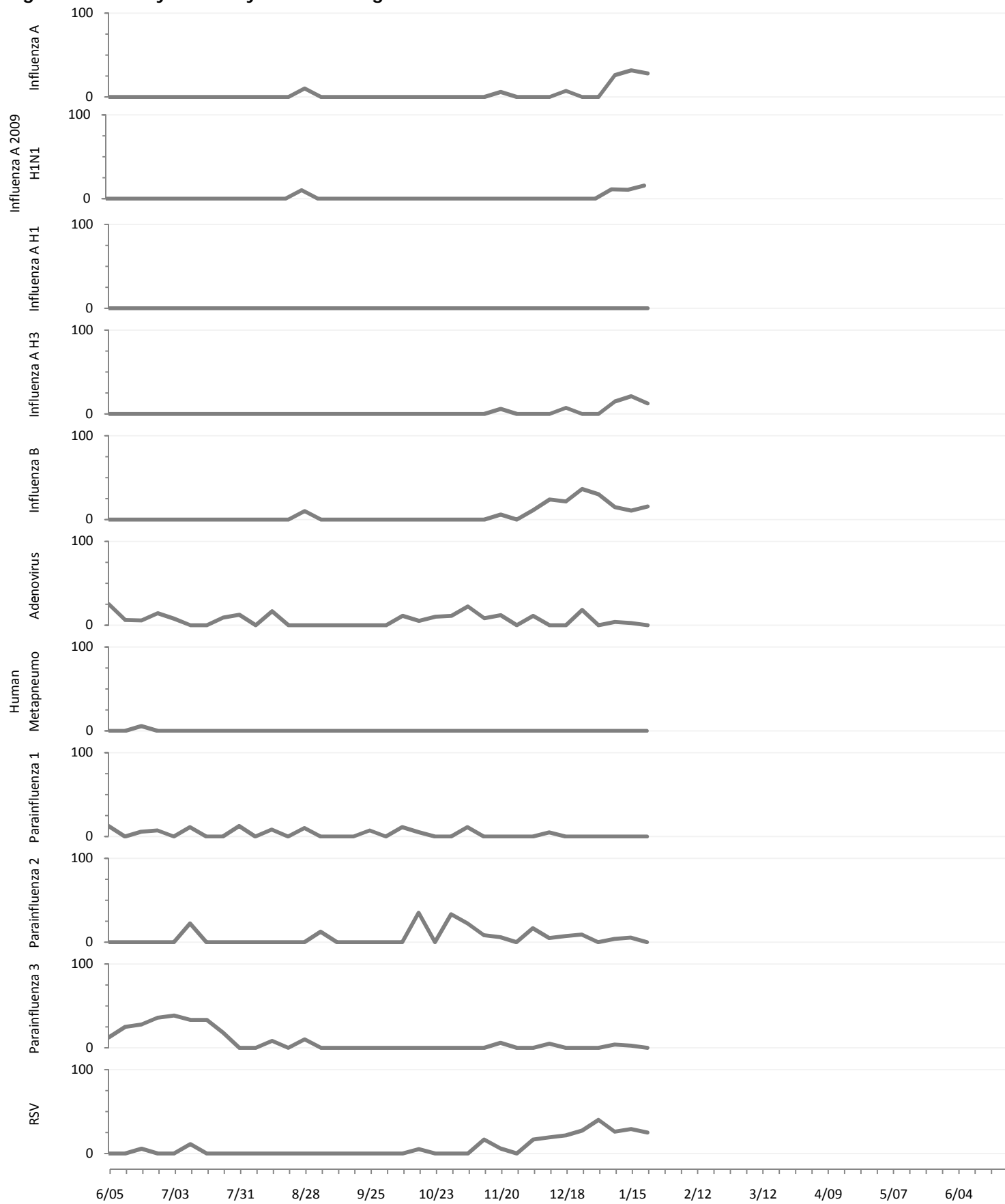


Figure 3. Age distributions of patients from whom specimens were tested and who tested positive

