

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

All Reporting Sites, Through the Week Ending March 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, Adenovirus, Parainfluenza 3, and RSV for the 2010-2011 Influenza Week 9 ending March 5, 2011.

The detection of Adenovirus and Parainfluenza 3 in recent weeks (Table 1) may signal the seasonal emergence of these two respiratory pathogens. Although these viruses can be detected throughout the year, outbreaks of Adenovirus-associated respiratory disease and Parainfluenza 3 have been more common in the late winter, spring, and early summer.

Influenza activity remained elevated in Southern Nevada (Table 1 and Fig. 2). Nationwide, all influenza types and subtypes have been identified this season and they continue to circulate widely.

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	
	2/5		2/12		2/19		2/26		3/5		Since 5/26/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	14	36	7	18	6	25	6	24	6	20	299	46
Influenza A Positive*	11	28	17	45	8	33	11	44	8	27	104	16
Influenza A 2009 H1N1	8	21	9	24	4	17	8	32	5	17	60	9
Influenza A H1 Positive	0	0	0	0	0	0	0	0	0	0	0	0
Influenza A H3 Positive	3	8	8	21	4	17	3	12	3	10	44	7
Influenza B Positive	9	23	6	16	3	13	1	4	6	20	64	10
Adenovirus Positive	0	0	0	0	0	0	3	12	2	7	34	5
Human Metapneumovirus Positive	0	0	0	0	0	0	0	0	0	0	1	0
Parainfluenza 1 Positive	0	0	1	3	0	0	0	0	0	0	13	2
Parainfluenza 2 Positive	0	0	0	0	0	0	0	0	0	0	26	4
Parainfluenza 3 Positive	0	0	1	3	0	0	1	4	6	20	47	7
RSV Positive	6	15	9	24	8	33	6	24	4	13	84	13
Coinfections	1	3	3	8	1	4	3	12	2	7	18	3
Specimens Tested	39		38		24		25		30		654	

\* Includes Influenza of all subtypes

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

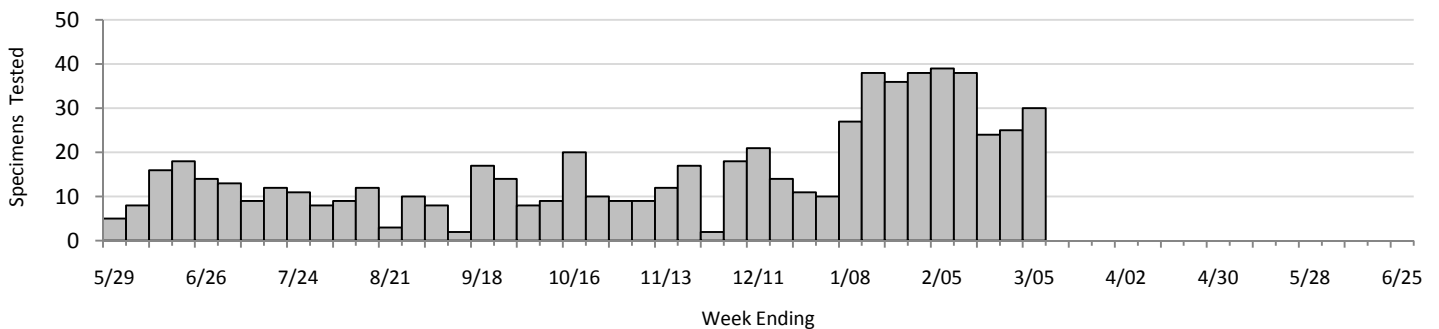


Figure 2 - Weekly Positivity Rates for Organisms Tested

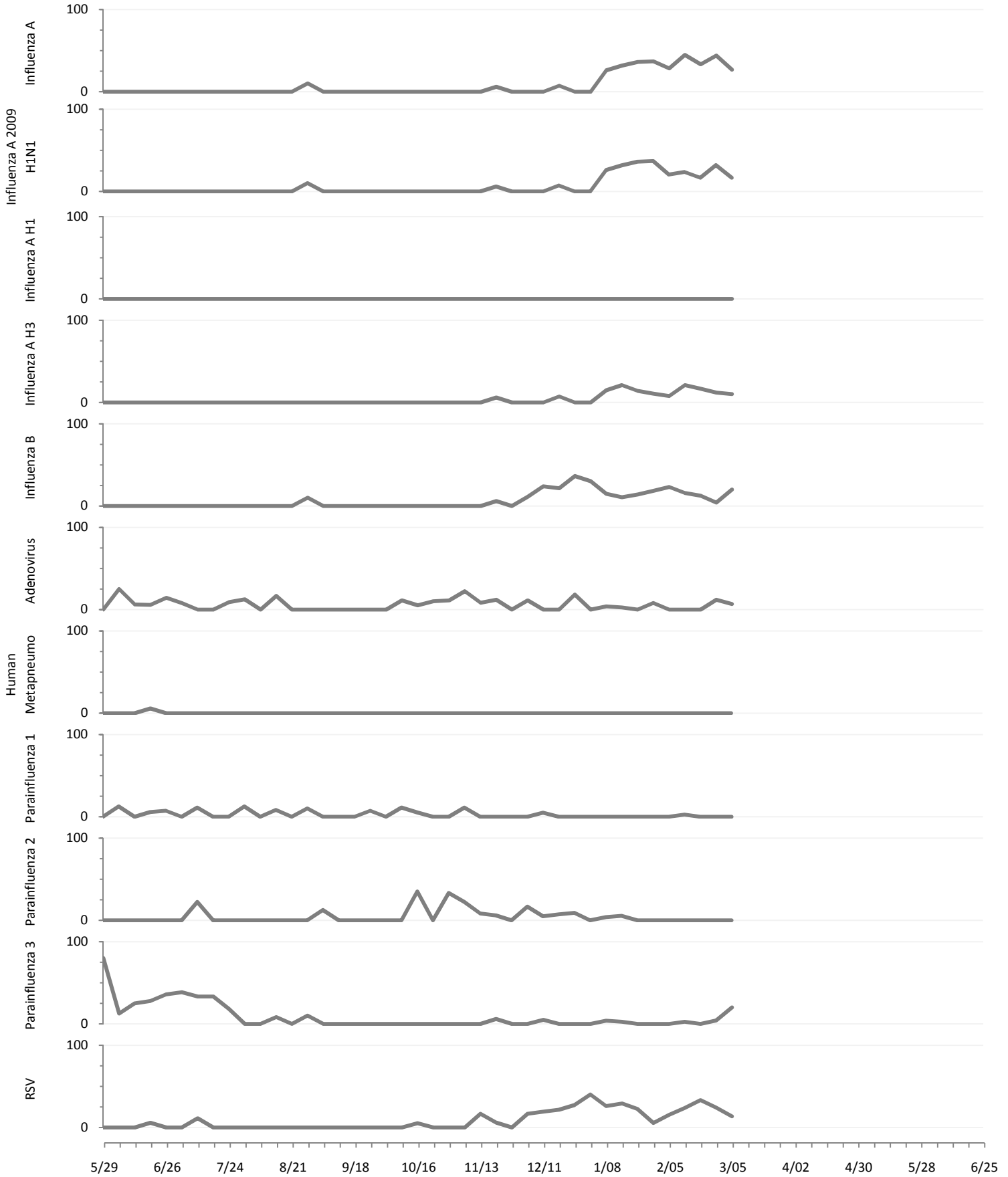


Figure 3. Age distributions of patients from whom specimens were tested and who tested positive

