

# SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: April 06, 2011

All Reporting Sites, Through the Week Ending April 02, 2011

## General Update

The Southern Nevada Health District (SNHD) Pediatric Early Warning Sentinel Surveillance (PEWSS) has detected Influenza A H3, Adenovirus, Human Metapneumovirus, Parainfluenza 3, and RSV for the 2010-2011 Influenza Week 13 ending April 2, 2011.

Half of the ten respiratory pathogens that are routinely monitored by PEWSS were observed this week, with RSV comprising 24% of the viruses detected (Table 1). The other four detected pathogens were present in moderate amounts, which suggest that both the quantity and intensity of respiratory viruses circulating in Southern Nevada is moderate.

Only one (5%) specimen was positive for Influenza A, and no Influenza B was detected (Table 1). This trend is not consistent with test results at the national level, which continued to report Influenza B in about 30% of specimens that were positive for Influenza. Overall, all Influenza types appear to be decreasing in our community and nationwide.

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	
	3/5		3/12		3/19		3/26		4/2		Since 5/26/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	6	20	8	36	8	40	7	26	9	43	331	44
Influenza A Positive*	8	27	4	18	5	25	1	4	1	5	115	15
Influenza A 2009 H1N1	5	17	1	5	3	15	0	0	0	0	64	9
Influenza A H1 Positive	0	0	0	0	0	0	0	0	0	0	0	0
Influenza A H3 Positive	3	10	3	14	2	10	1	4	1	5	51	7
Influenza B Positive	6	20	3	14	3	15	3	11	0	0	73	10
Adenovirus Positive	2	7	2	9	1	5	4	15	2	10	43	6
Human Metapneumovirus Positive	0	0	3	14	0	0	4	15	4	19	12	2
Parainfluenza 1 Positive	0	0	0	0	0	0	2	7	0	0	15	2
Parainfluenza 2 Positive	0	0	0	0	0	0	0	0	0	0	26	3
Parainfluenza 3 Positive	6	20	1	5	6	30	5	19	1	5	60	8
RSV Positive	4	13	1	5	0	0	2	7	5	24	92	12
Coinfections	2	7	0	0	3	15	1	4	1	5	23	3
Specimens Tested	30		22		20		27		21		744	

\* Includes Influenza of all subtypes

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

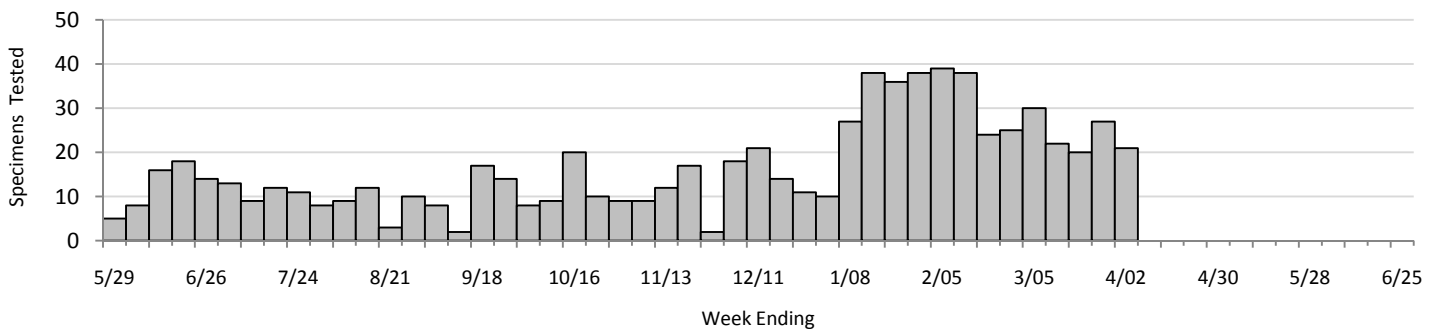
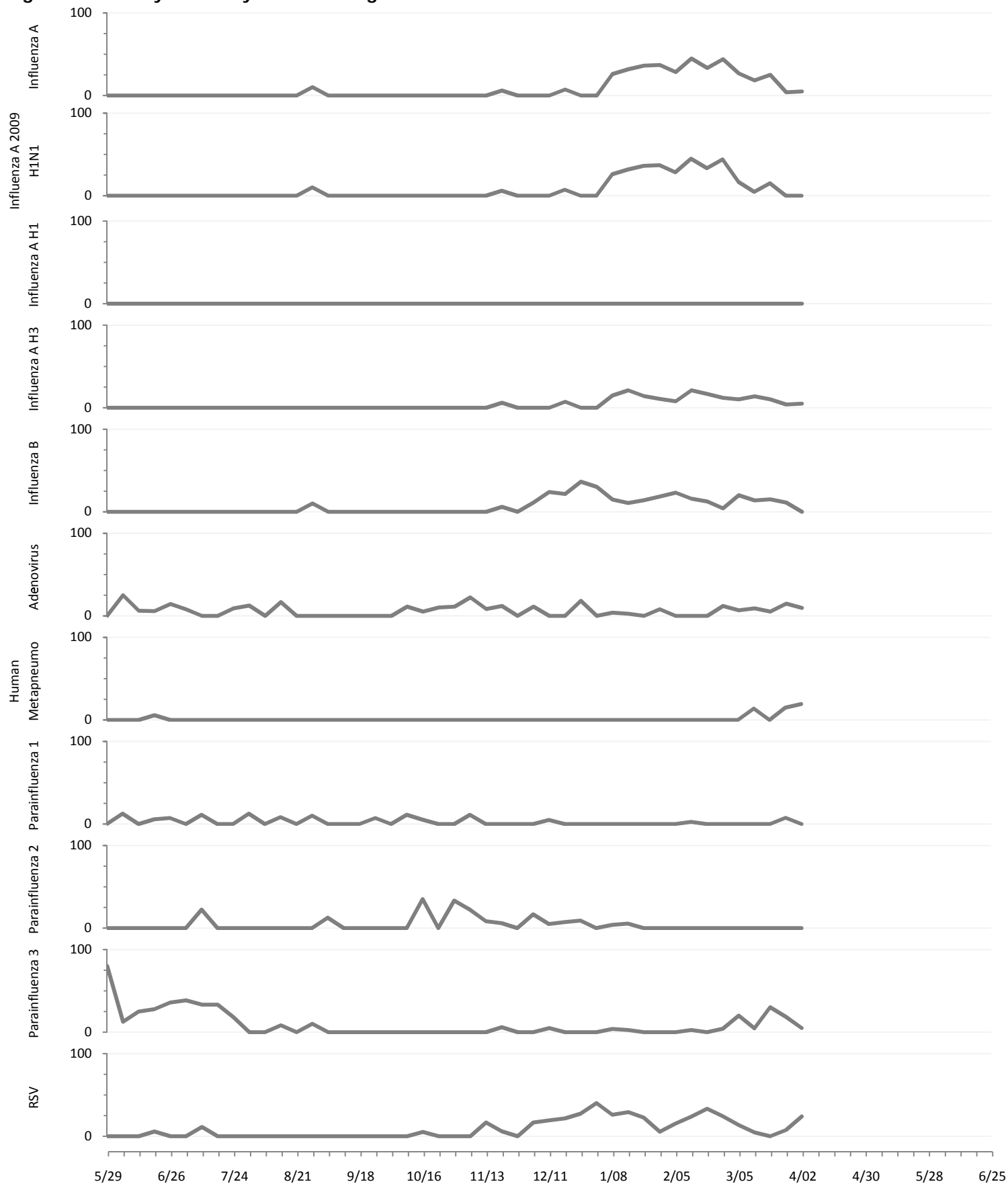


Figure 2 - Weekly Positivity Rates for Organisms Tested



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

