

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: June 01, 2011

All Reporting Sites, Through the Week Ending May 28, 2011

General Update

The Southern Nevada Health District (SNHD) Pediatric Early Warning Sentinel Surveillance (PEWSS) has detected Influenza B, Adenovirus, Human Metapneumovirus, Parainfluenza 3, and RSV for the week ending May 28, 2011.

Influenza B was detected at very low level this surveillance period (Table 1). This is consistent with results from virologic surveillance at the national level, which has identified all Influenza types and subtypes at high levels this season, but at much reduced levels in recent weeks. The predominant Influenza virus has varied by week, region, and even between states within the same region. In the U.S., the results of tests performed during the past week identified Influenza B in approximately two-thirds of tests that are positive for Influenza.

Adenovirus, Human Metapneumovirus, and Parainfluenza 3 continue to be the predominating respiratory viruses currently circulating in Southern Nevada (Table 1; Fig. 2).

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	
	4/30		5/7		5/14		5/21		5/28		Since 5/26/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	8	50	18	75	11	73	5	45	5	38	399	46
Influenza A Positive*	1	6	0	0	0	0	0	0	0	0	117	13
Influenza A 2009 H1N1	0	0	0	0	0	0	0	0	0	0	64	7
Influenza A H1 Positive	0	0	0	0	0	0	0	0	0	0	0	0
Influenza A H3 Positive	1	6	0	0	0	0	0	0	0	0	53	6
Influenza B Positive	1	6	0	0	0	0	0	0	1	8	77	9
Adenovirus Positive	2	13	2	8	2	13	0	0	1	8	59	7
Human Metapneumovirus Positive	1	6	2	8	1	7	3	27	4	31	29	3
Parainfluenza 1 Positive	0	0	0	0	0	0	1	9	0	0	16	2
Parainfluenza 2 Positive	0	0	0	0	0	0	0	0	0	0	26	3
Parainfluenza 3 Positive	4	25	3	13	1	7	2	18	1	8	81	9
RSV Positive	0	0	0	0	0	0	0	0	1	8	100	11
Coinfections	1	6	1	4	0	0	0	0	0	0	30	3
Specimens Tested	16		24		15		11		13		874	

* Includes Influenza of all subtypes

Figure 1 - Weekly Number of Specimens Tested

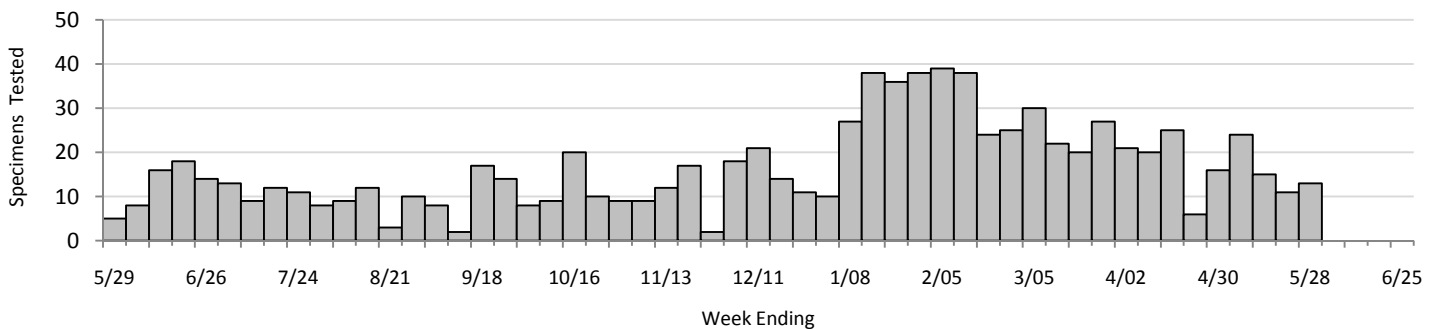


Figure 2 - Weekly Positivity Rates for Organisms Tested

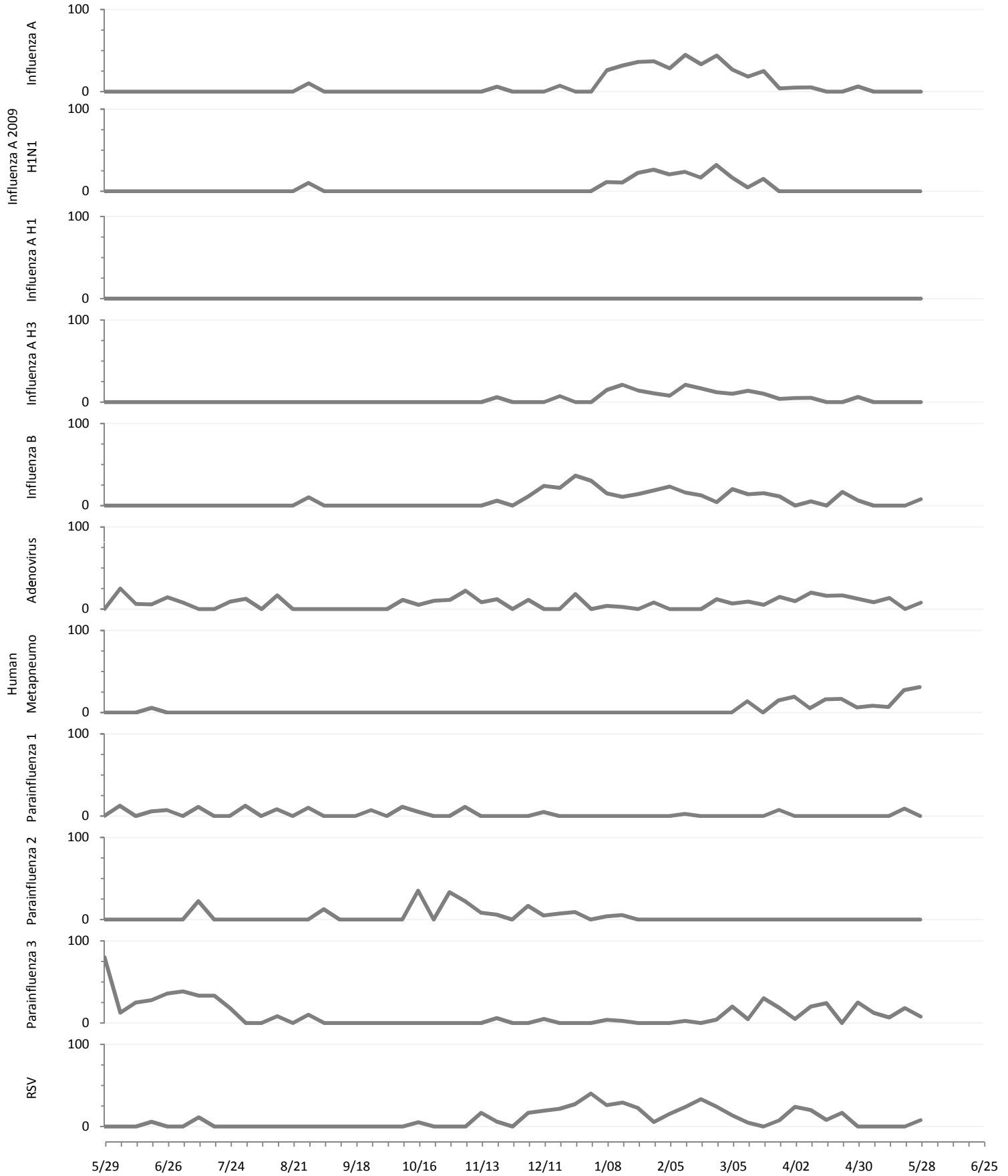


Figure 3. Age distributions of patients from whom specimens were tested and who tested positive

