

# SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: June 15, 2011

All Reporting Sites, Through the Week Ending June 11, 2011

## General Update

The Southern Nevada Health District (SNHD) Pediatric Early Warning Sentinel Surveillance (PEWSS) has detected Human Metapneumovirus and Parainfluenza 3 for the week ending June 11, 2011.

The pathophysiology of human metapneumovirus (hMPV) and RSV are believed to be similar, with both viruses circulating seasonally. Although hMPV infection is prevalent among children (Fig. 3), it has been shown to be an important cause of respiratory illness in adults, among patients with cancer, in the elderly population (as a cause of serious lower respiratory tract infection), and in adults with underlying chronic medical conditions.

The low variety of viruses detected (Fig. 2) and the relatively low number of patients who were tested this surveillance period (Fig. 1) suggest that both the types of respiratory viruses circulating in our community and their levels of circulation are low.

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	
	5/14		5/21		5/28		6/4		6/11		Since 5/26/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	11	73	5	45	5	38	7	64	9	64	415	46
Influenza A Positive*	0	0	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	0	0	0	0	0	0	0	0	0	0	53	6
Influenza B Positive	0	0	0	0	1	8	0	0	0	0	77	9
Adenovirus Positive	2	13	0	0	1	8	2	18	0	0	61	7
Human Metapneumovirus Positive	1	7	3	27	4	31	0	0	4	29	33	4
Parainfluenza 1 Positive	0	0	1	9	0	0	1	9	0	0	17	2
Parainfluenza 2 Positive	0	0	0	0	0	0	0	0	0	0	26	3
Parainfluenza 3 Positive	1	7	2	18	1	8	1	9	1	7	83	9
RSV Positive	0	0	0	0	1	8	0	0	0	0	100	11
Coinfections	0	0	0	0	0	0	0	0	0	0	30	3
Specimens Tested	15		11		13		11		14		899	

\* Includes Influenza of all subtypes

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

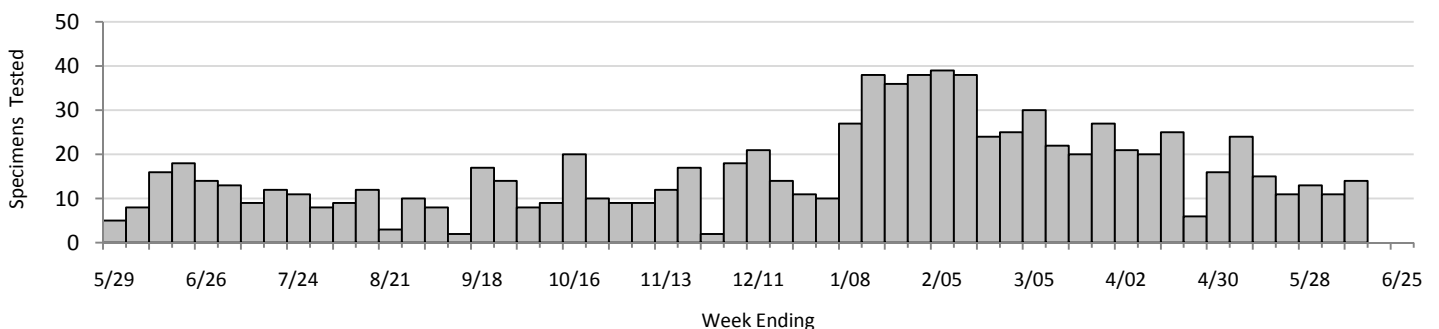
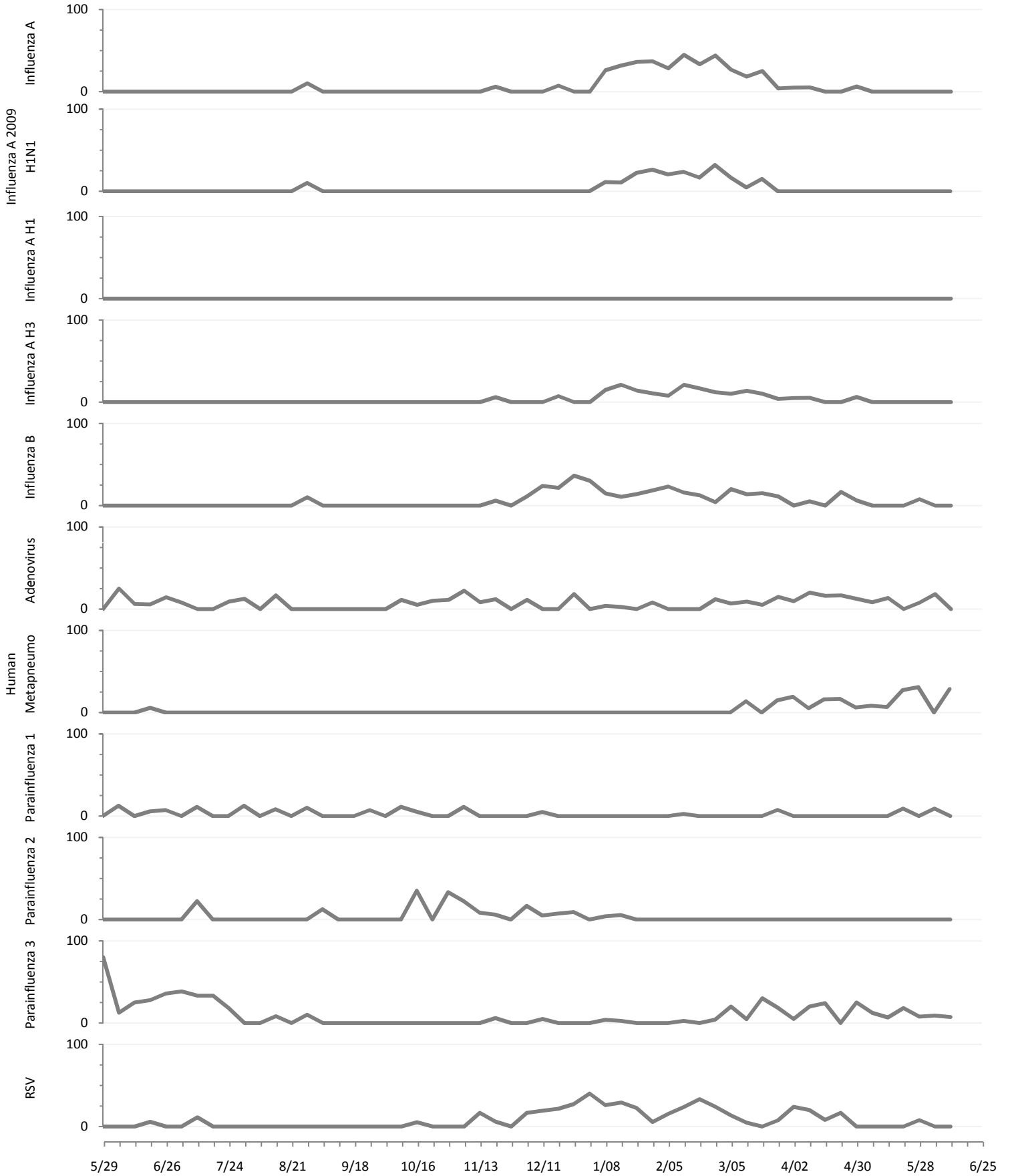


Figure 2 - Weekly Positivity Rates for Organisms Tested



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

