

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: May 25, 2011

All Reporting Sites, Through the Week Ending May 21, 2011

General Update

The Southern Nevada Health District (SNHD) Pediatric Early Warning Sentinel Surveillance (PEWSS) has detected Human Metapneumovirus, Parainfluenza 1, and Parainfluenza 3 for the week ending May 21, 2011.

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

Human Parainfluenza Viruses (HPIV)s are ubiquitous and infect most people during childhood (Fig. 3). Circulation of different HPIV serotypes differs in seasonality. In the United States, HPIV-1 and HPIV-2 outbreaks often occur in the fall, and HPIV-3 peak activity occurring during the spring and early summer (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	
	4/23		4/30		5/7		5/14		5/21		Since 5/26/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	3	50	8	50	18	75	11	73	5	45	394	46
Influenza A Positive*	0	0	1	6	0	0	0	0	0	0	117	14
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	1	6	0	0	0	0	0	0	53	6
Influenza B Positive	1	17	1	6	0	0	0	0	0	0	76	9
Adenovirus Positive	1	17	2	13	2	8	2	13	0	0	58	7
Human Metapneumovirus Positive	1	17	1	6	2	8	1	7	3	27	25	3
Parainfluenza 1 Positive	0	0	0	0	0	0	0	0	1	9	16	2
Parainfluenza 2 Positive	0	0	0	0	0	0	0	0	0	0	26	3
Parainfluenza 3 Positive	0	0	4	25	3	13	1	7	2	18	80	9
RSV Positive	1	17	0	0	0	0	0	0	0	0	99	11
Coinfections	1	17	1	6	1	4	0	0	0	0	30	3
Specimens Tested	6		16		24		15		11		861	

* Includes Influenza of all subtypes

Figure 1 - Weekly Number of Specimens Tested

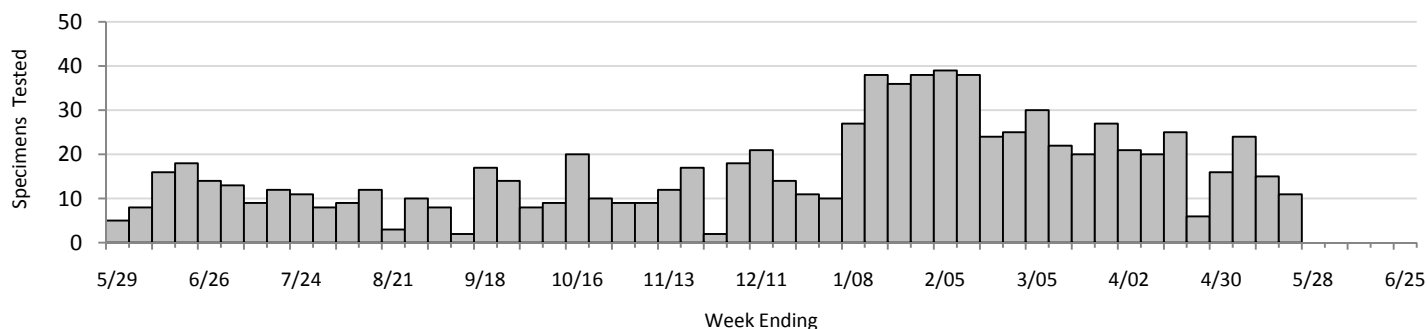


Figure 2 - Weekly Positivity Rates for Organisms Tested

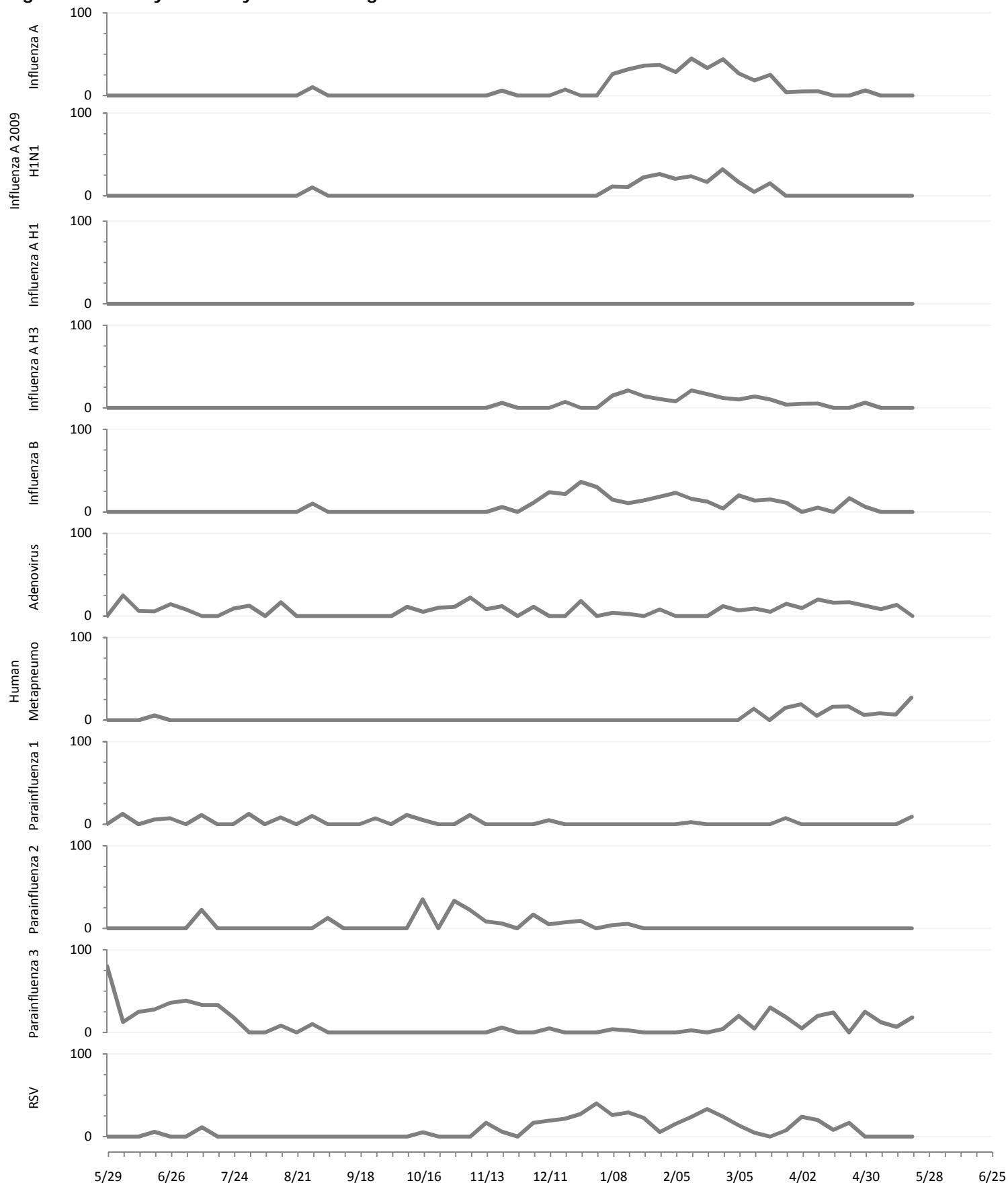


Figure 3. Age distributions of patients from whom specimens were tested and who tested positive

