

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: March 16, 2011

All Reporting Sites, Through the Week Ending March 12, 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, Human Metapneumovirus, Parainfluenza 3, and RSV for the 2010-2011 Influenza Week 10 ending March 12, 2011.

Influenza and RSV activity has decreased over the past three weeks, indicating the likely end of influenza and RSV seasons in Southern Nevada. These trends are consistent with past seasons. The detection of Adenovirus and Parainfluenza 3 in recent weeks (Table 1) may signal the seasonal emergence of these two respiratory pathogens. In addition, Human Metapneumovirus was identified locally for the first time since June of 2010.

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	
	2/12		2/19		2/26		3/5		3/12		Since 5/26/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	7	18	6	25	6	24	6	20	8	36	307	45
Influenza A Positive*	17	45	8	33	11	44	8	27	4	18	108	16
Influenza A 2009 H1N1	9	24	4	17	8	32	5	17	1	5	61	9
Influenza A H1 Positive	0	0	0	0	0	0	0	0	0	0	0	0
Influenza A H3 Positive	8	21	4	17	3	12	3	10	3	14	47	7
Influenza B Positive	6	16	3	13	1	4	6	20	3	14	67	10
Adenovirus Positive	0	0	0	0	3	12	2	7	2	9	36	5
Human Metapneumovirus Positive	0	0	0	0	0	0	0	0	3	14	4	1
Parainfluenza 1 Positive	1	3	0	0	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	1	3	0	0	1	4	6	20	1	5	48	7
RSV Positive	9	24	8	33	6	24	4	13	1	5	85	13
Coinfections	3	8	1	4	3	12	2	7	0	0	18	3
Specimens Tested	38		24		25		30		22		676	

* Includes Influenza of all subtypes

Figure 1 - Weekly Number of Specimens Tested

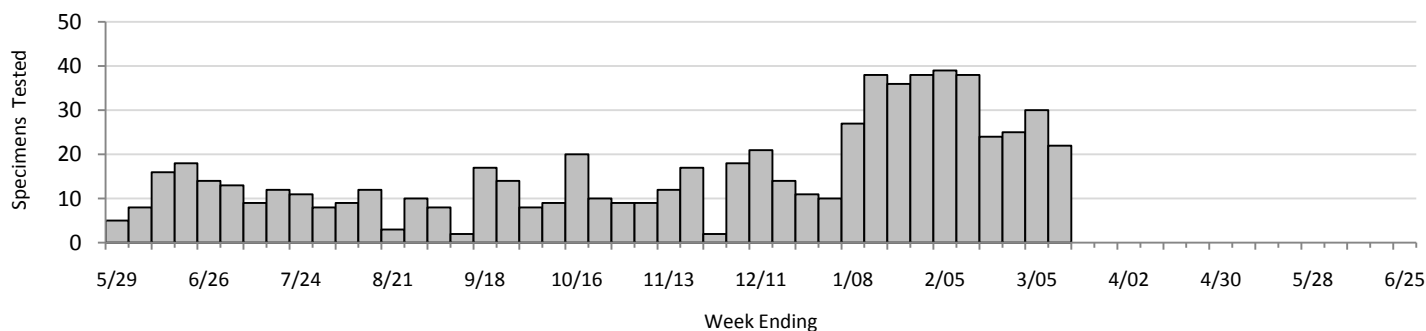


Figure 2 - Weekly Positivity Rates for Organisms Tested

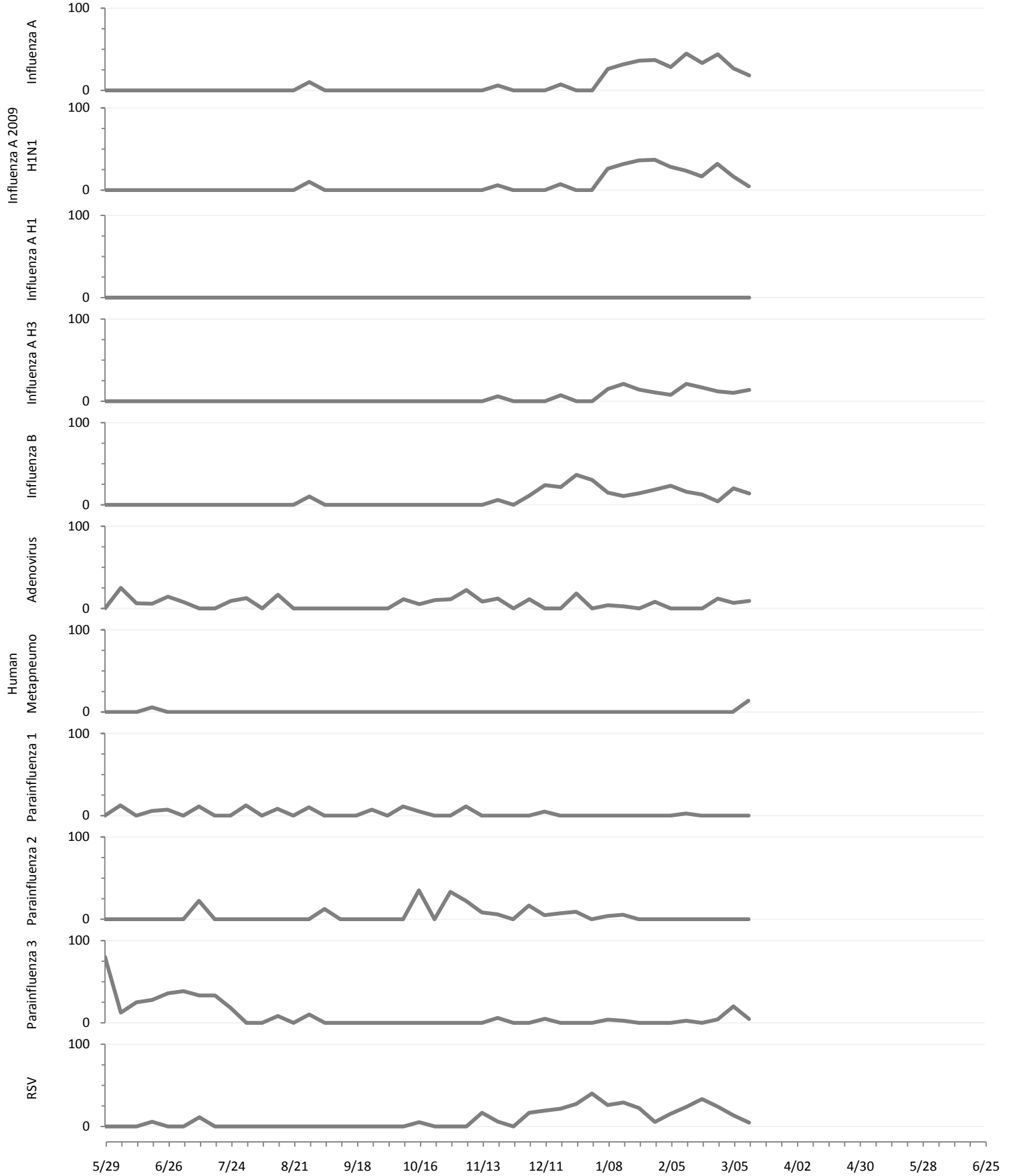


Figure 3. Age distributions of patients from whom specimens were tested and who tested positive

