

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: April 13, 2011

All Reporting Sites, Through the Week Ending April 09, 2011

General Update

The Southern Nevada Health District (SNHD) Pediatric Early Warning Sentinel Surveillance (PEWSS) has detected Influenza A H3, Influenza B, Adenovirus, Human Metapneumovirus, Parainfluenza 3, and RSV for the 2010-2011 Influenza Week 14 ending April 9, 2011.

Two (10%) specimens were positive for Influenza (Table 1). The reduced detection of all Influenza types in Southern Nevada and in nationwide testing may indicate that Influenza is decreasing.

Adenovirus, Human Metapneumovirus, and Parainfluenza 3 have sustained in the community since their emergences were detected in the last months (Fig. 2). This is consistent with these pathogens' seasonal trends, as peak incidences have been common in the late winter and spring, later than the seasonal peak of RSV and influenza.

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	
	3/12		3/19		3/26		4/2		4/9		Since 5/26/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	8	36	8	40	7	26	9	43	7	35	338	44
Influenza A Positive*	4	18	5	25	1	4	1	5	1	5	116	15
Influenza A 2009 H1N1	1	5	3	15	0	0	0	0	0	0	64	8
Influenza A H1 Positive	0	0	0	0	0	0	0	0	0	0	0	0
Influenza A H3 Positive	3	14	2	10	1	4	1	5	1	5	52	7
Influenza B Positive	3	14	3	15	3	11	0	0	1	5	74	10
Adenovirus Positive	2	9	1	5	4	15	2	10	4	20	47	6
Human Metapneumovirus Positive	3	14	0	0	4	15	4	19	1	5	13	2
Parainfluenza 1 Positive	0	0	0	0	2	7	0	0	0	0	15	2
Parainfluenza 2 Positive	0	0	0	0	0	0	0	0	0	0	26	3
Parainfluenza 3 Positive	1	5	6	30	5	19	1	5	4	20	64	8
RSV Positive	1	5	0	0	2	7	5	24	4	20	96	13
Coinfections	0	0	3	15	1	4	1	5	2	10	25	3
Specimens Tested	22		20		27		21		20		764	

* Includes Influenza of all subtypes

Figure 1 - Weekly Number of Specimens Tested

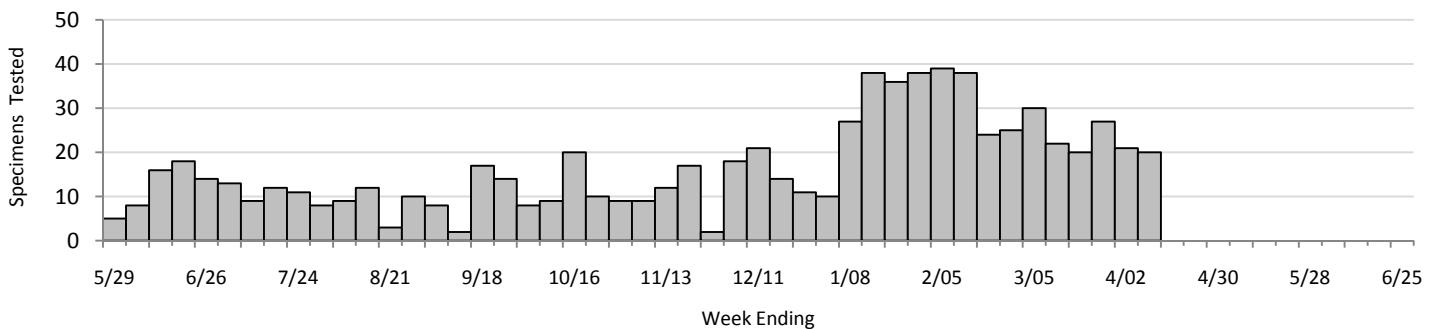


Figure 2 - Weekly Positivity Rates for Organisms Tested

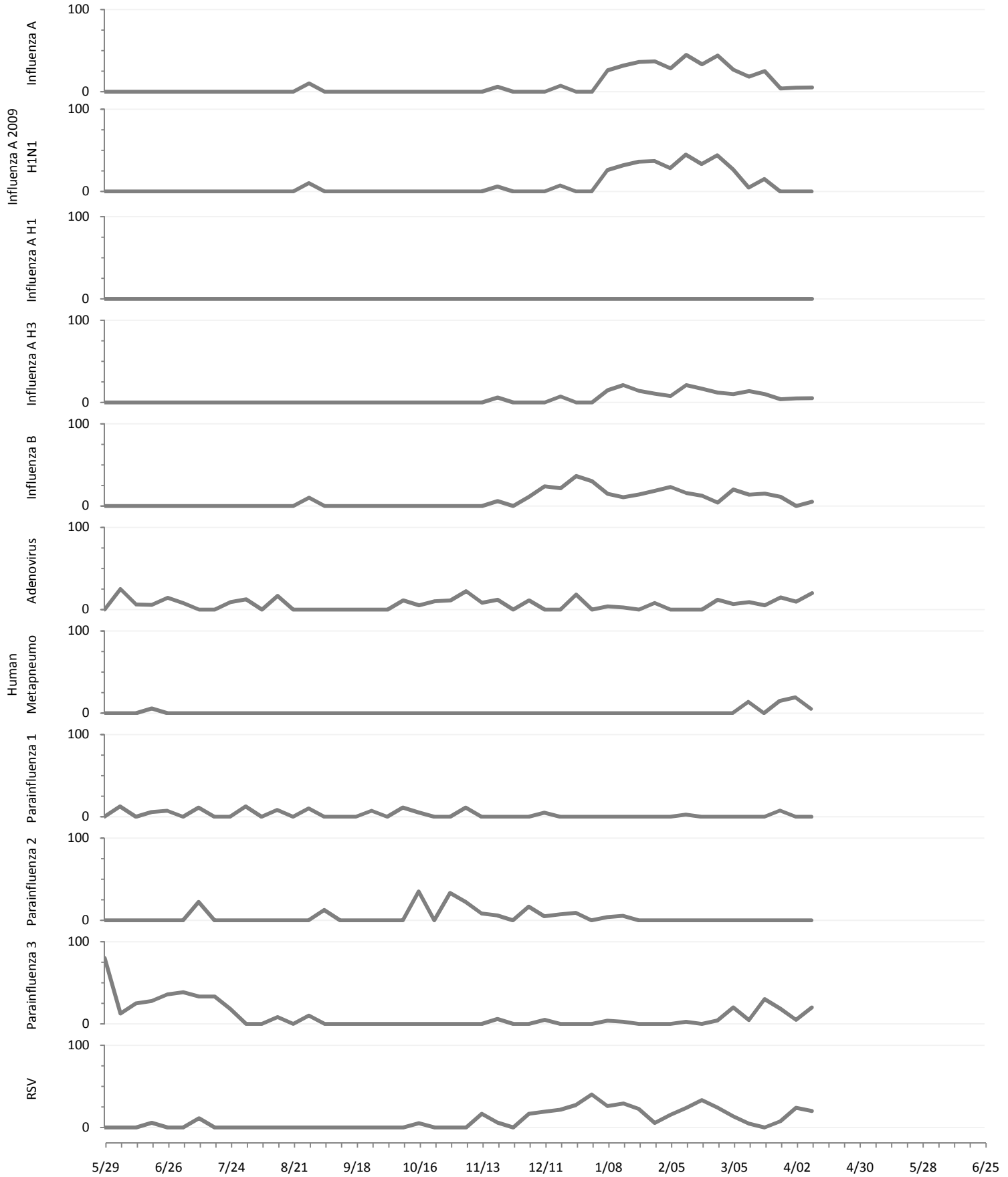


Figure 3. Age distributions of patients from whom specimens were tested and who tested positive

