

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: April 20, 2011

All Reporting Sites, Through the Week Ending April 16, 2011

General Update

The Southern Nevada Health District (SNHD) Pediatric Early Warning Sentinel Surveillance (PEWSS) has detected Adenovirus, Human Metapneumovirus, Parainfluenza 3, and RSV for the week ending April 16, 2011.

No Influenza was detected this surveillance period (Table 1). Adenovirus, Human Metapneumovirus, and Parainfluenza 3 continue to be the predominating respiratory viruses circulating in Southern Nevada since their emergences were detected in the last months (Fig. 2).

We are conducting a survey to determine how recipients of the PEWSS bulletins use the information provided by these reports. By participating in this short survey, you will help to improve the PEWSS program and other similar community-based disease surveillance initiatives. The survey is located at <http://www.surveymonkey.com/s/FVTV38R>. For those unable to access it online, a PDF copy of the survey is available by email or fax through request.

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	
	3/19		3/26		4/2		4/9		4/16		Since 5/26/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	8	40	7	26	9	43	7	35	11	44	349	44
Influenza A Positive*	5	25	1	4	1	5	1	5	0	0	116	15
Influenza A 2009 H1N1	3	15	0	0	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	2	10	1	4	1	5	1	5	0	0	52	7
Influenza B Positive	3	15	3	11	0	0	1	5	0	0	74	9
Adenovirus Positive	1	5	4	15	2	10	4	20	4	16	51	6
Human Metapneumovirus Positive	0	0	4	15	4	19	1	5	4	16	17	2
Parainfluenza 1 Positive	0	0	2	7	0	0	0	0	0	0	15	2
Parainfluenza 2 Positive	0	0	0	0	0	0	0	0	0	0	26	3
Parainfluenza 3 Positive	6	30	5	19	1	5	4	20	6	24	70	9
RSV Positive	0	0	2	7	5	24	4	20	2	8	98	12
Coinfections	3	15	1	4	1	5	2	10	2	8	27	3
Specimens Tested	20		27		21		20		25		789	

* Includes Influenza of all subtypes

Figure 1 - Weekly Number of Specimens Tested

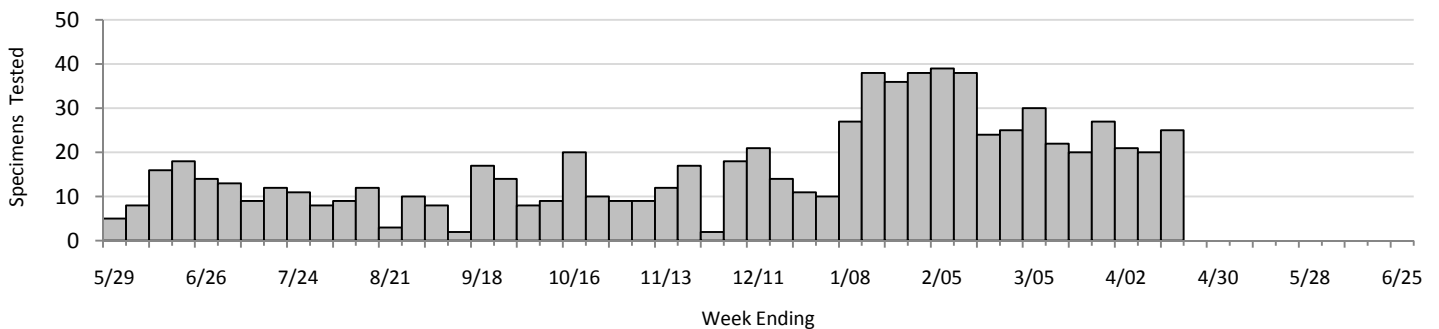


Figure 2 - Weekly Positivity Rates for Organisms Tested

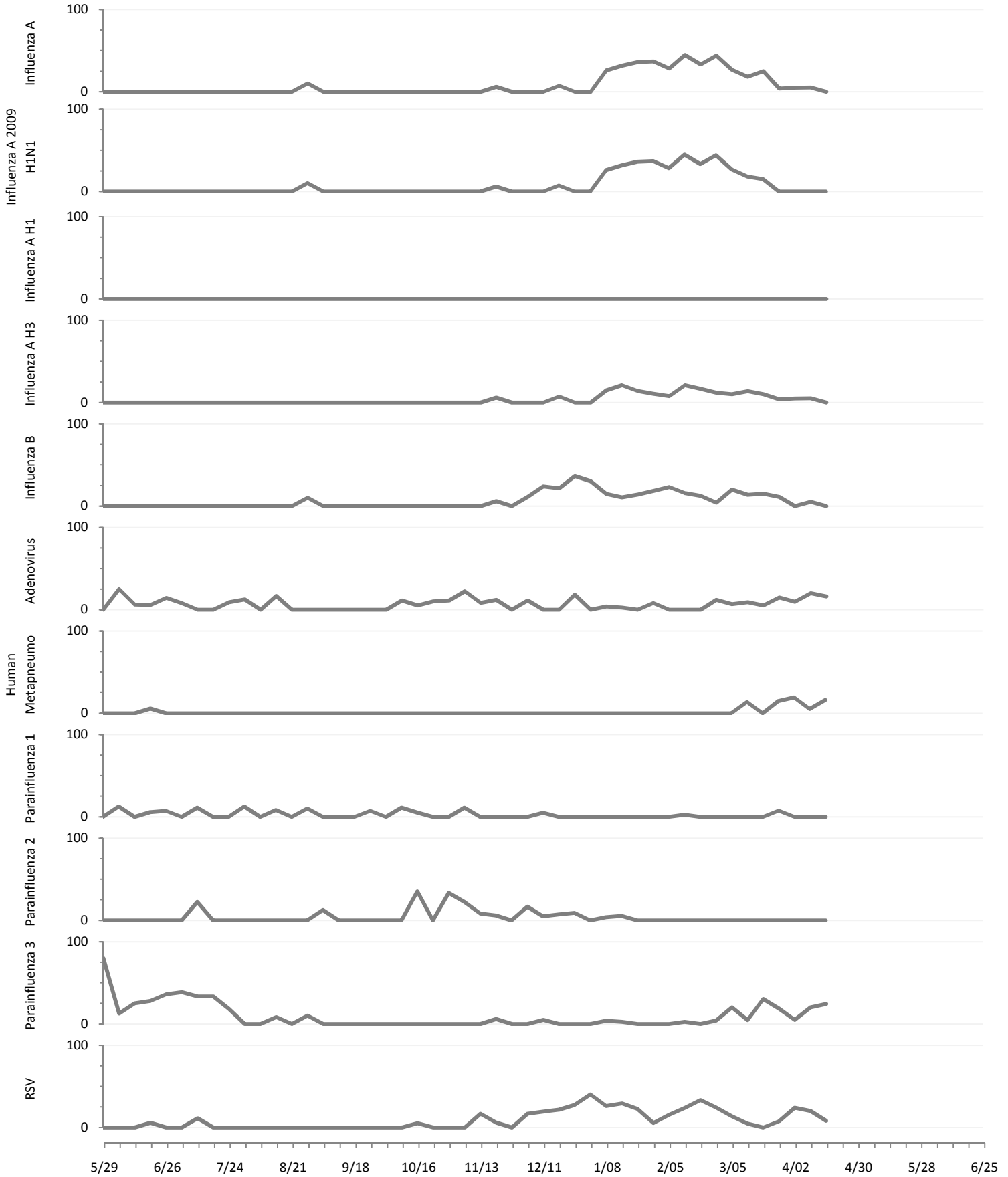


Figure 3. Age distributions of patients from whom specimens were tested and who tested positive

