

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: April 27, 2011

All Reporting Sites, Through the Week Ending April 23, 2011

General Update

The Southern Nevada Health District (SNHD) Pediatric Early Warning Sentinel Surveillance (PEWSS) has detected Influenza B, Adenovirus, Human Metapneumovirus, and RSV for the week ending April 23, 2011.

Influenza was detected at very low level, but Adenovirus and Human Metapneumovirus continue to be the predominating respiratory viruses circulating in Southern Nevada (Table 1). The number of specimens collected during this surveillance period was greatly reduced (Fig. 1), but this was most likely due to reduced hours of operation by PEWSS sentinel sites due to Spring Break week.

Congratulations to all five PEWSS sentinel sites, which are recipients of the 2011 Public Health Hero Award. The SNHD presents the Award annually to honor individuals and organizations whose extraordinary contributions protect and promote public health in our community. The PEWSS sentinel sites voluntarily perform the year-round integral services of screening for suitable pediatric patients who meet testing criteria, and properly collecting and storing patient clinical samples until they can be processed by the Southern Nevada Public Health Laboratory. The data provided by these specimens are then analyzed by the SNHD Office of Epidemiology and are reported back to the community in these PEWSS reports.

The PEWSS reports are disseminated weekly to the medical community by email, fax, and online at <http://www.southernnevadahealthdistrict.org/stats-reports/influenza.php>.

Table 1 - Testing Results, Current Week and Previous Four Weeks

PCR Testing Results	Week Ending										Project to Date	
	3/26		4/2		4/9		4/16		4/23		Since 5/26/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	7	26	9	43	7	35	11	44	3	50	352	44
Influenza A Positive*	1	4	1	5	1	5	0	0	0	0	116	15
Influenza A 2009 H1N1	0	0	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	1	4	1	5	1	5	0	0	0	0	52	7
Influenza B Positive	3	11	0	0	1	5	0	0	1	17	75	9
Adenovirus Positive	4	15	2	10	4	20	4	16	1	17	52	7
Human Metapneumovirus Positive	4	15	4	19	1	5	4	16	1	17	18	2
Parainfluenza 1 Positive	2	7	0	0	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	5	19	1	5	4	20	6	24	0	0	70	9
RSV Positive	2	7	5	24	4	20	2	8	1	17	99	12
Coinfections	1	4	1	5	2	10	2	8	1	17	28	4
Specimens Tested	27		21		20		25		6		795	

* Includes Influenza of all subtypes

Figure 1 - Weekly Number of Specimens Tested

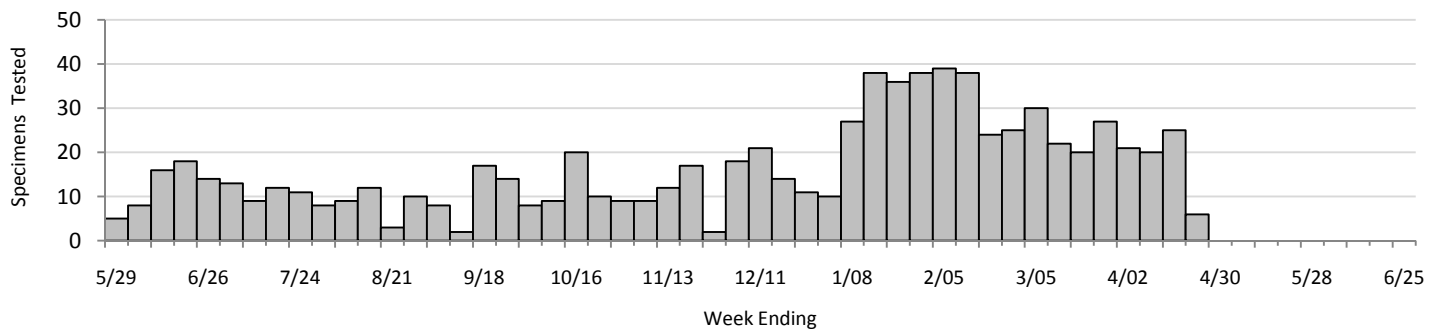


Figure 2 - Weekly Positivity Rates for Organisms Tested

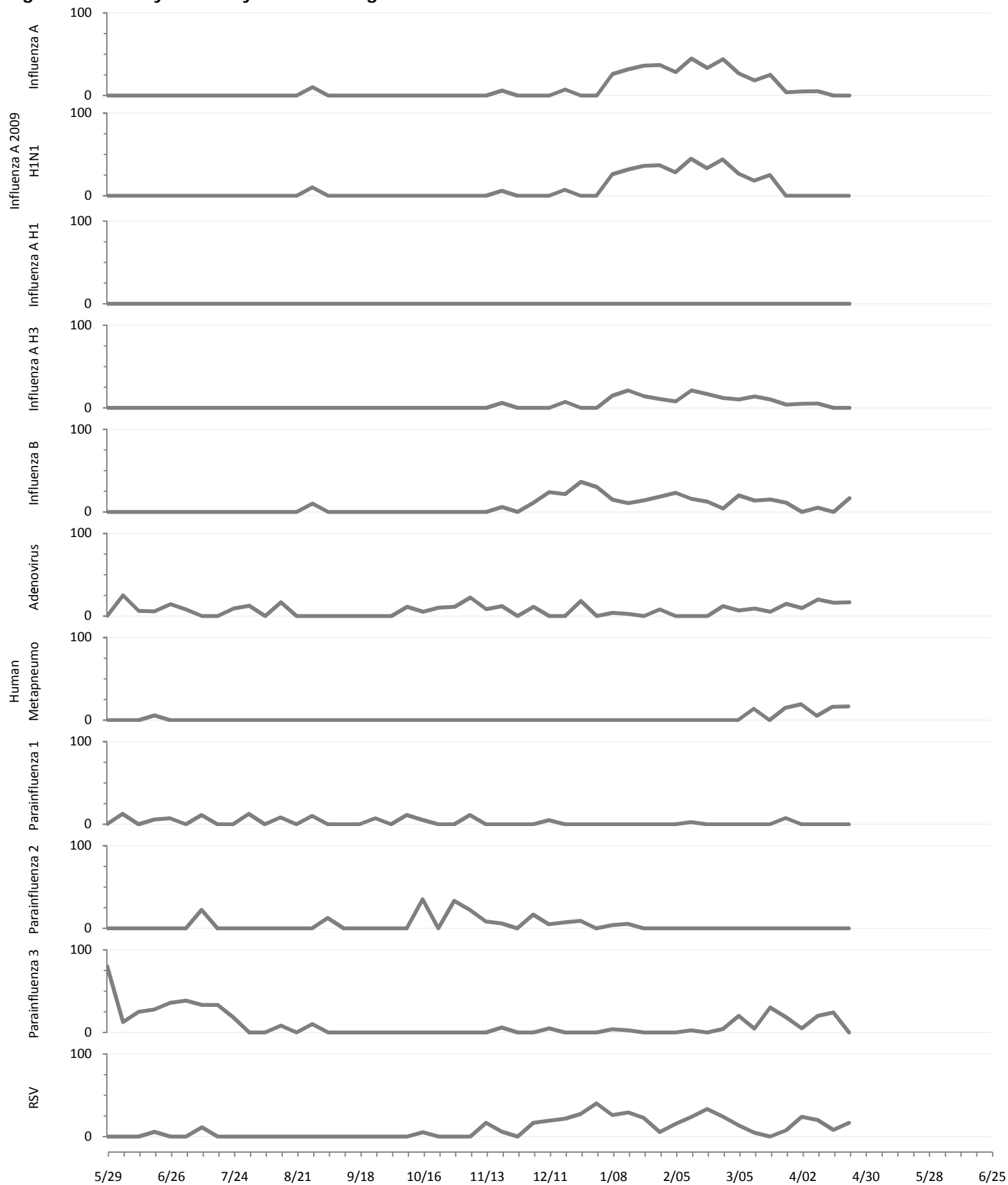


Figure 3. Age distributions of patients from whom specimens were tested and who tested positive

