

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: March 23, 2011

All Reporting Sites, Through the Week Ending March 19, 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, and Parainfluenza 3 for the 2010-2011 Influenza Week 11 ending March 19, 2011.

Influenza continues to circulate at high levels in Southern Nevada. Even though the overall testing of patients who met illness testing criteria among PEWSS sentinel sites has decreased (Fig. 1), the percentage of positive Influenza tests remains high (Fig. 2). Influenza B infections, often less numerous than Influenza A, continue to be identified (Table 1).

RSV activity has steadily decreased over the past five weeks (Table 1), indicating the likely end of RSV season in our community. Conversely, the persistent detection of Adenovirus and Parainfluenza 3 in recent weeks (Table 1) is consistent with these pathogens' seasonal trends, as outbreaks have been common in the late winter, spring, and early summer.

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	
	2/19		2/26		3/5		3/12		3/19		Since 5/26/10	
	n	%	n	%	n	%	n	%	n	%	n	%
All negative	6	25	6	24	6	20	8	36	8	40	315	45
Influenza A Positive*	8	33	11	44	8	27	4	18	5	25	113	16
Influenza A 2009 H1N1	4	17	8	32	5	17	1	5	3	15	64	9
Influenza A H1 Positive	0	0	0	0	0	0	0	0	0	0	0	0
Influenza A H3 Positive	4	17	3	12	3	10	3	14	2	10	49	7
Influenza B Positive	3	13	1	4	6	20	3	14	3	15	70	10
Adenovirus Positive	0	0	3	12	2	7	2	9	1	5	37	5
Human Metapneumovirus Positive	0	0	0	0	0	0	3	14	0	0	4	1
Parainfluenza 1 Positive	0	0	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	0	0	1	4	6	20	1	5	6	30	54	8
RSV Positive	8	33	6	24	4	13	1	5	0	0	85	12
Coinfections	1	4	3	12	2	7	0	0	3	15	21	3
Specimens Tested	24		25		30		22		20		696	

* Includes Influenza of all subtypes

Figure 1 - Weekly Number of Specimens Tested

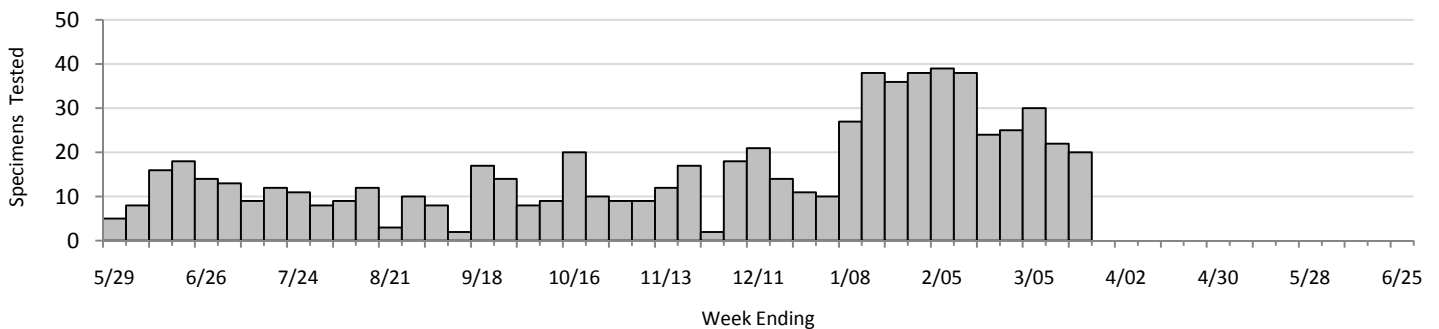


Figure 2 - Weekly Positivity Rates for Organisms Tested

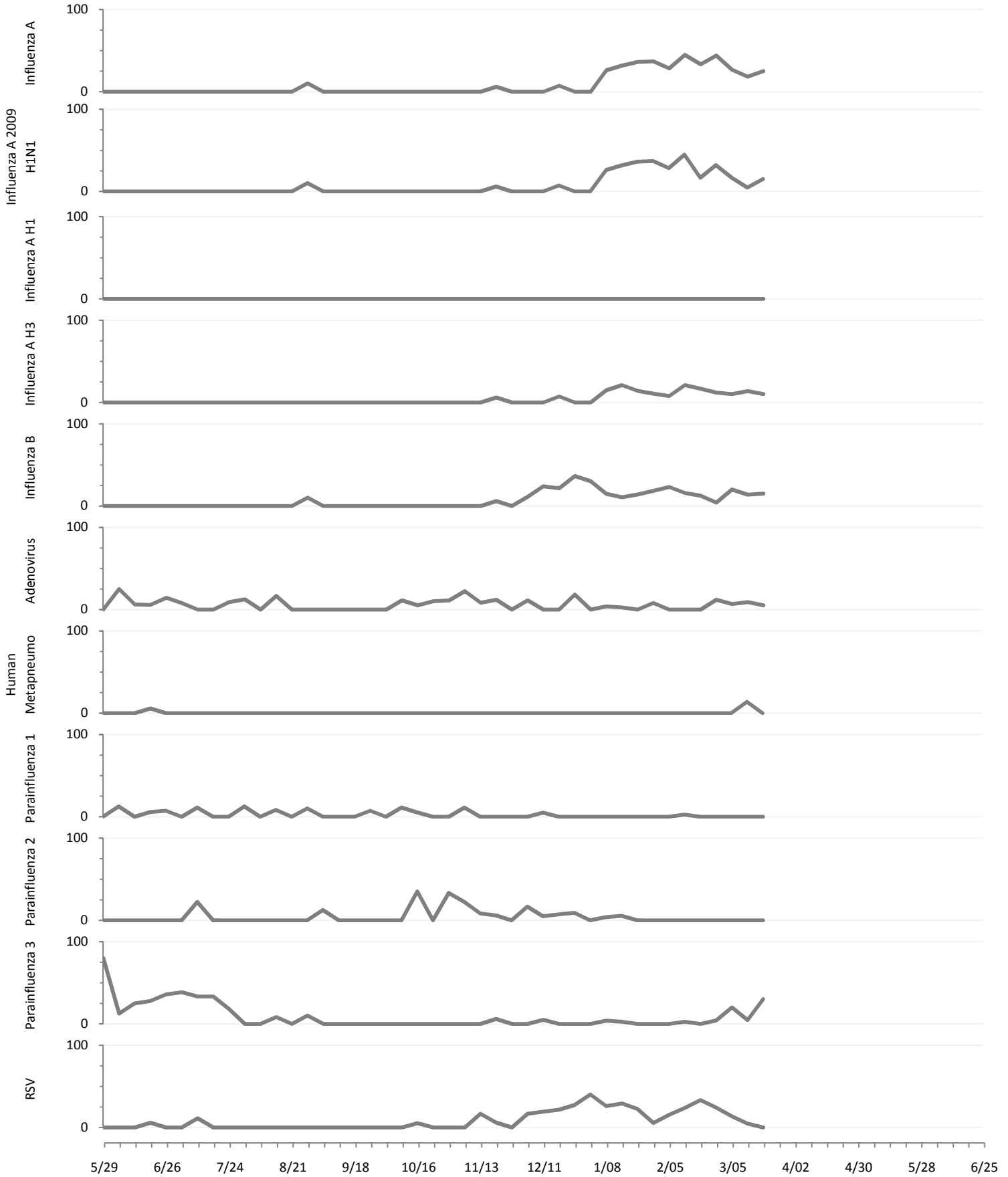


Figure 3. Age distributions of patients from whom specimens were tested and who tested positive

