



WISCONSIN DEPARTMENT OF HEALTH SERVICES
Division of Public Health
Bureau of Communicable Diseases and Emergency Response



Respiratory virus surveillance report for the week ending April 16, 2011, week 11-15

AT-A-GLANCE

- Respiratory viruses identified this week :
Influenza A (H3) and B, rhinovirus and human metapneumovirus are predominant
- Influenza-like illness (ILI) activity for this week

Wisconsin	Low
Wisconsin (CDC level)	Minimal
Western Region	Low
Northern Region	Low
Northeastern Region	Low
Southeastern Region	Low
Southern Region	Low

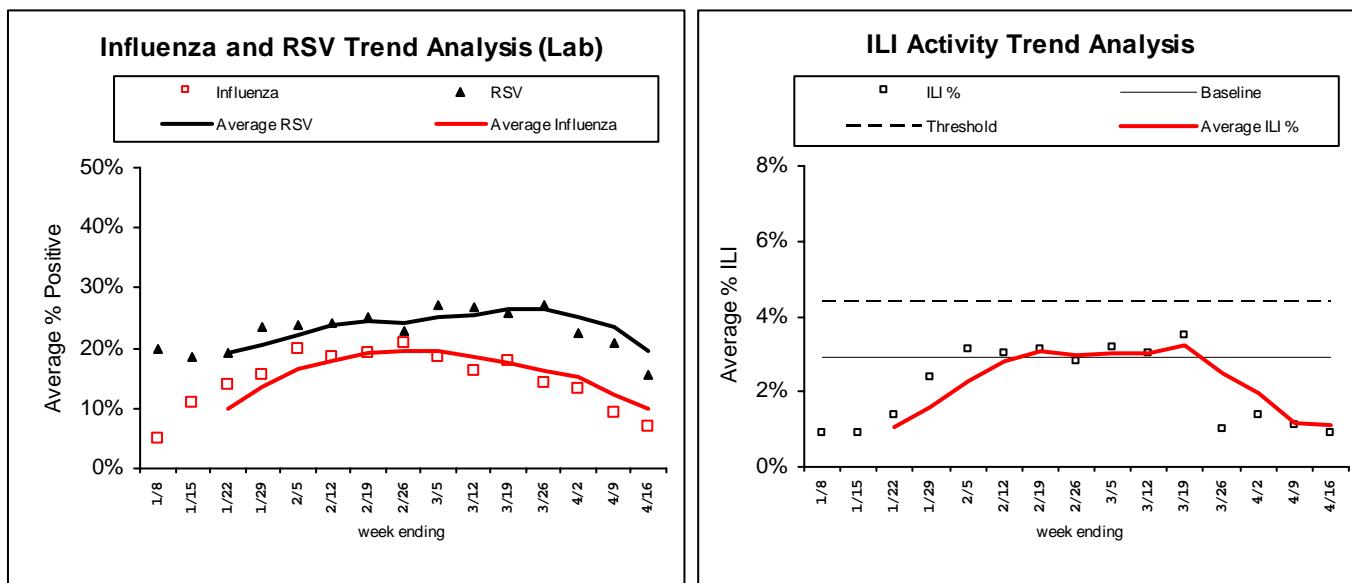
- ILI activity in Region V of the U.S. (WI, MN, IL, MI, OH, IN) is below baseline levels
- ILI activity in the U.S. is below baseline levels
- The Predictive Value Positive (PVP) for rapid influenza tests is: Decreasing, near low (PVP is the probability of disease in a patient with a positive test result)
- The Predictive Value Negative (PVN) for rapid influenza tests is: Increasing, near high level (PVN is the probability of not having disease when the test result is negative)
- Influenza-associated pediatric deaths (October 1, 2010-present)

	Week 11-15	Total to Date
Wisconsin	0	2
United States	4	95

WISCONSIN and REGIONAL SUMMARIES
 (Trend analysis based on 3-week moving averages)

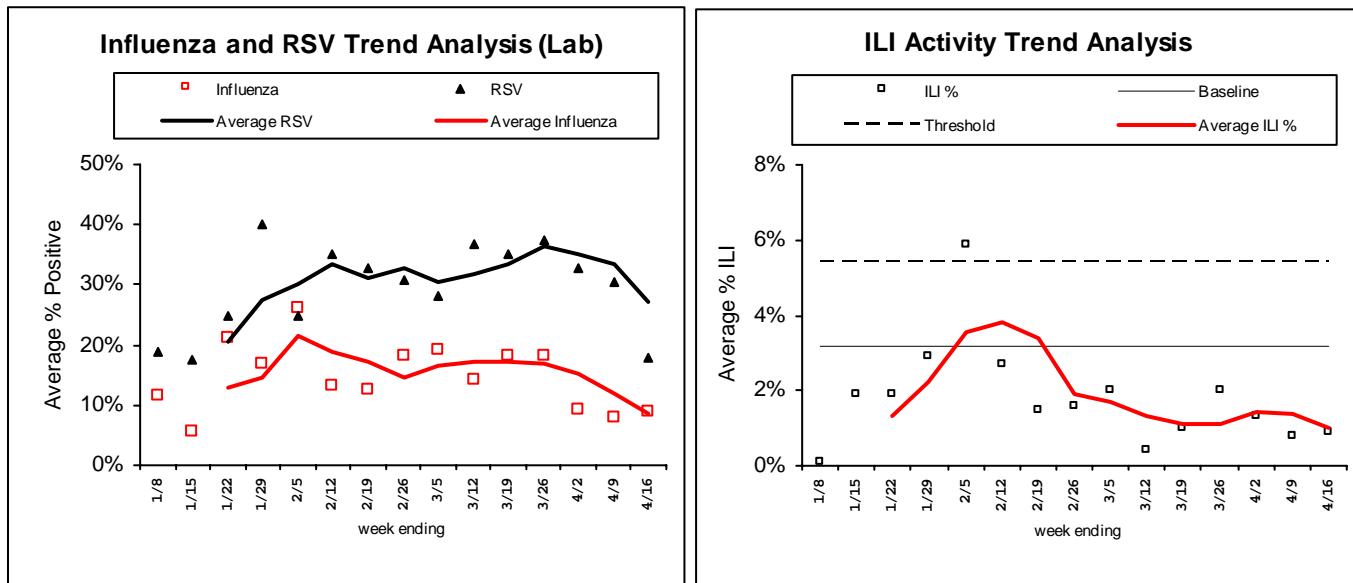
Wisconsin (ILI activity is Low)

INFLUENZA RAPID ANTIGEN TESTS				RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS			
Tested	Positive			% Positive	Tested	Positive	% Positive	ILI %	Baseline	Threshold
	Flu A	Flu B	Total							
566	22	18	40	7.1%	249	39	15.7%	0.9%	2.9%	4.4%



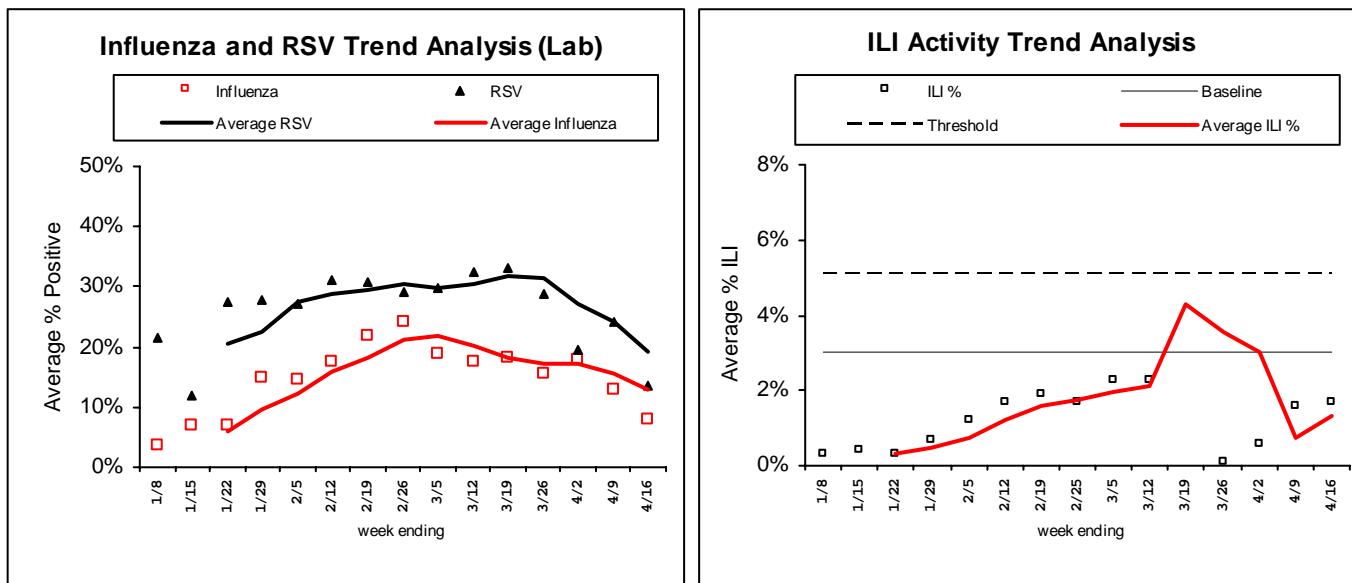
Northern Region (ILI activity is Low)

INFLUENZA RAPID ANTIGEN TESTS				RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS			
Tested	Positive			% Positive	Tested	Positive	% Positive	ILI %	Baseline	Threshold
	Flu A	Flu B	Total							
66	5	1	6	9.1%	61	11	18%	0.9%	3.2%	5.4%



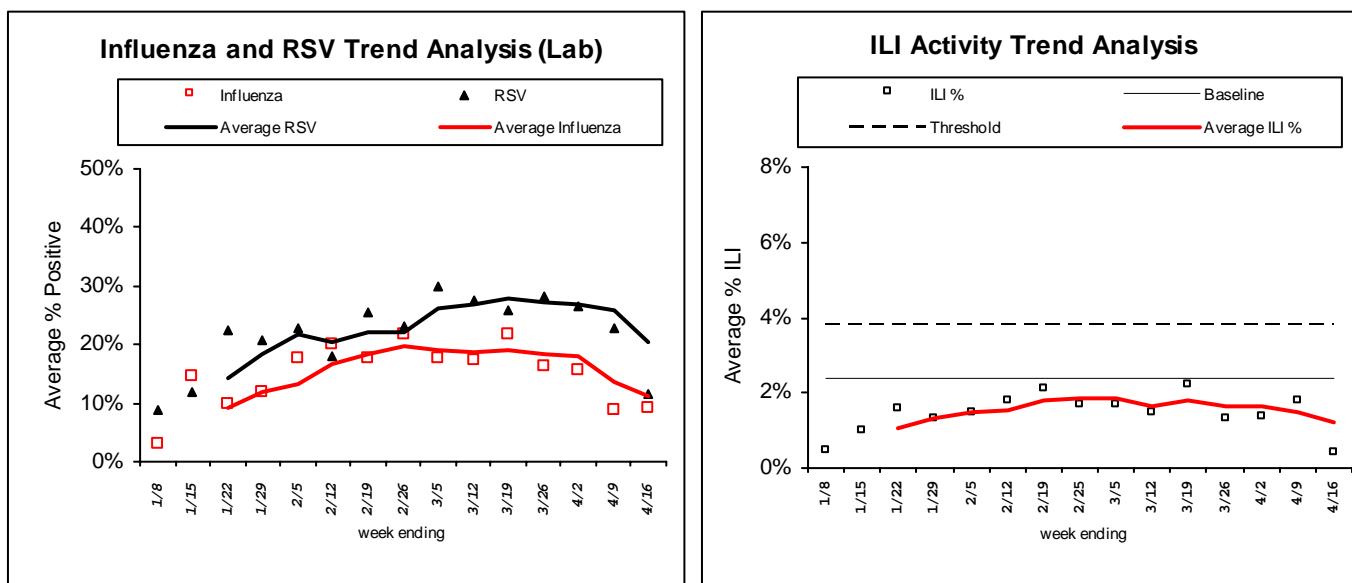
Western Region (ILI activity is Low)

INFLUENZA RAPID ANTIGEN TESTS					RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS		
Tested	Positive			% Positive	Tested	Positive	% Positive	ILI %	Baseline	Threshold
	Flu A	Flu B	Total							
101	3	5	8	7.9%	37	5	13.5%	1.7%	3.0%	5.1%



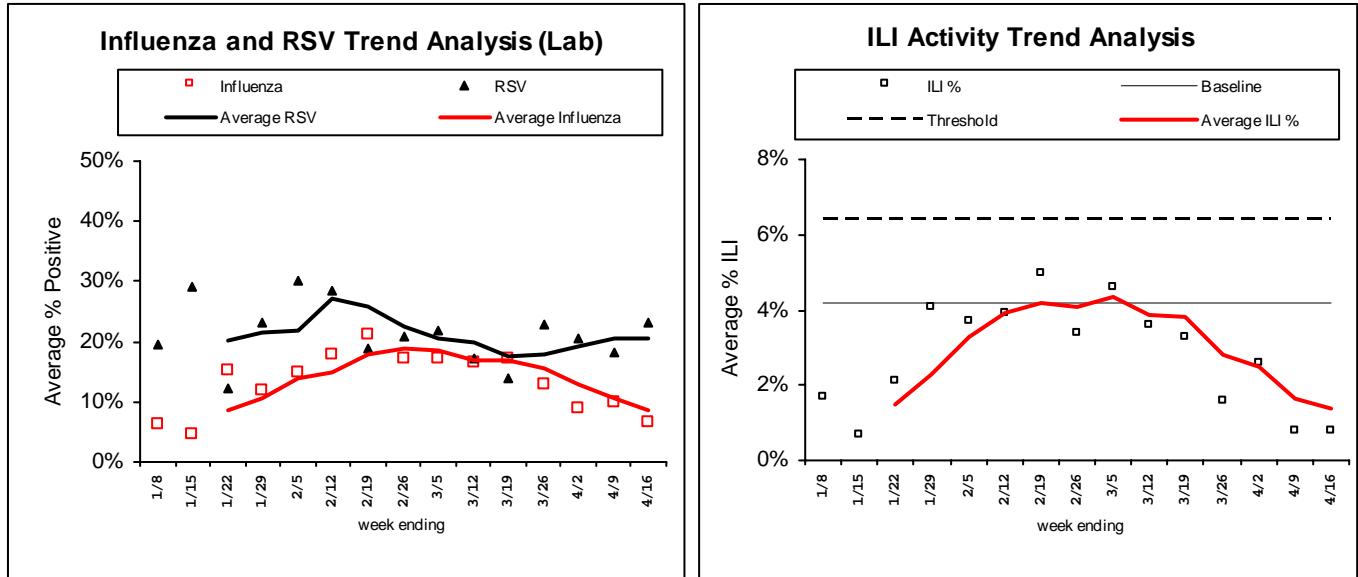
Northeastern Region (ILI activity is Low)

INFLUENZA RAPID ANTIGEN TESTS					RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS		
Tested	Positive			% Positive	Tested	Positive	% Positive	ILI %	Baseline	Threshold
	Flu A	Flu B	Total							
197	10	8	18	9.1%	60	7	11.7%	0.4%	2.4%	3.8%



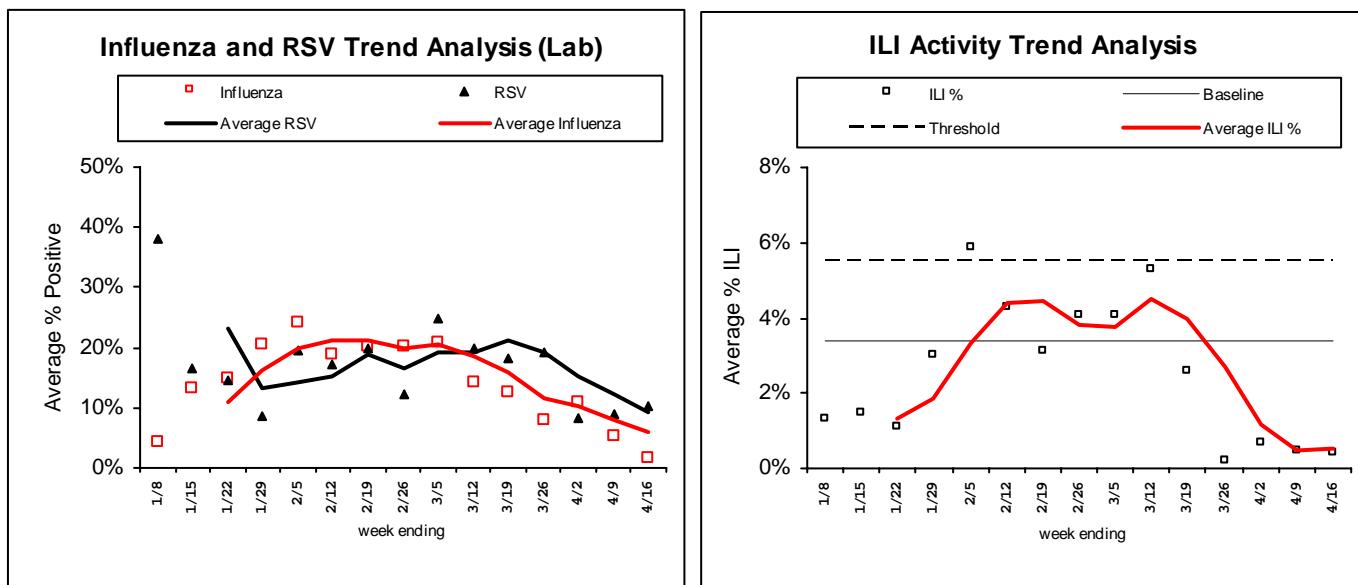
Southern Region (ILI activity is Low)

INFLUENZA RAPID ANTIGEN TESTS					RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS		
Tested	Positive			% Positive	Tested	Positive	% Positive	ILI %	Baseline	Threshold
	Flu A	Flu B	Total							
90	3	3	6	6.7%	52	12	23.1%	0.8%	4.2%	6.4%



Southeastern Region (ILI activity is Low)

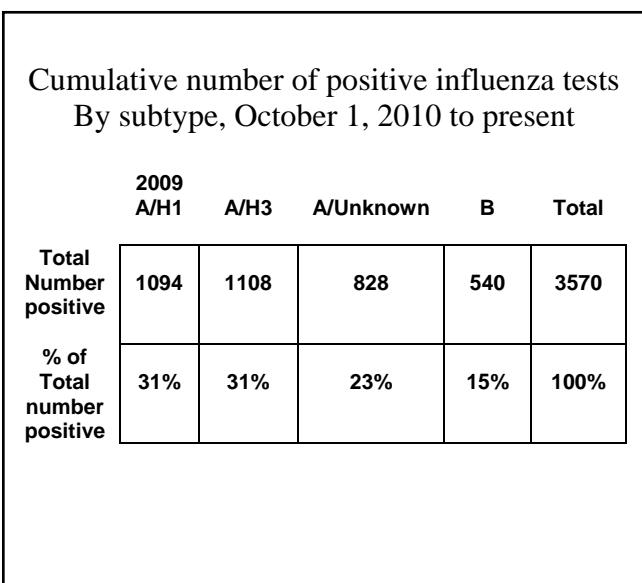
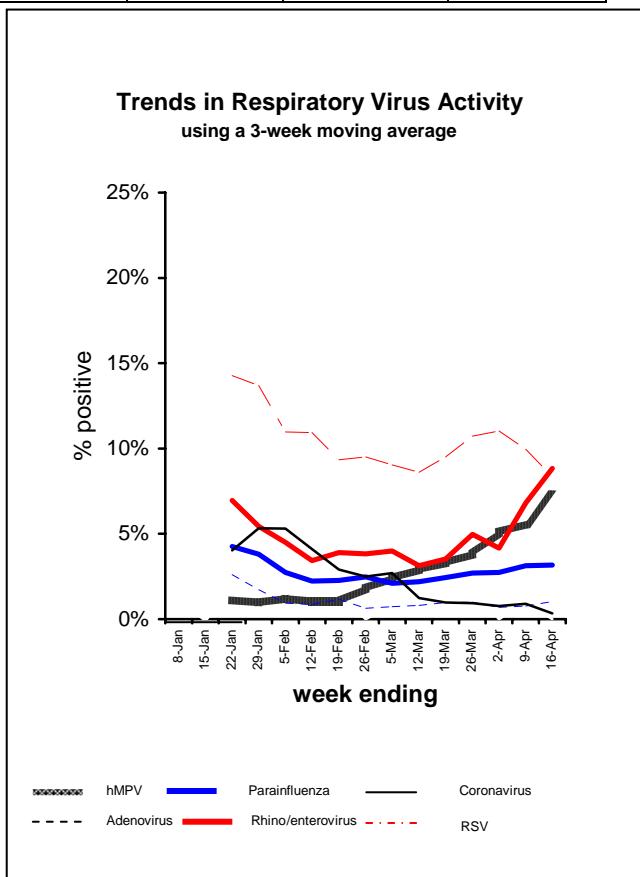
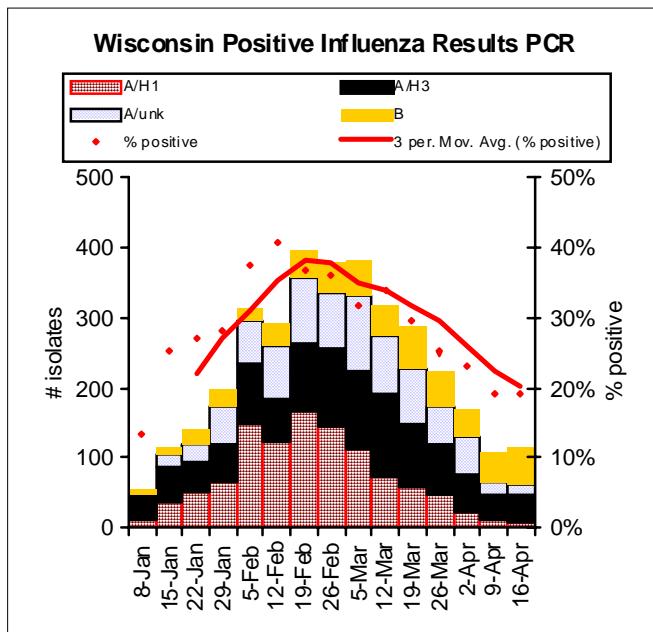
INFLUENZA RAPID ANTIGEN TESTS					RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS		
Tested	Positive			% Positive	Tested	Positive	% Positive	ILI %	Baseline	Threshold
	Flu A	Flu B	Total							
112	1	1	2	1.8%	39	4	10.3%	0.4%	3.4%	5.5%



LABORATORY SURVEILLANCE FOR RESPIRATORY VIRUSES (PCR)

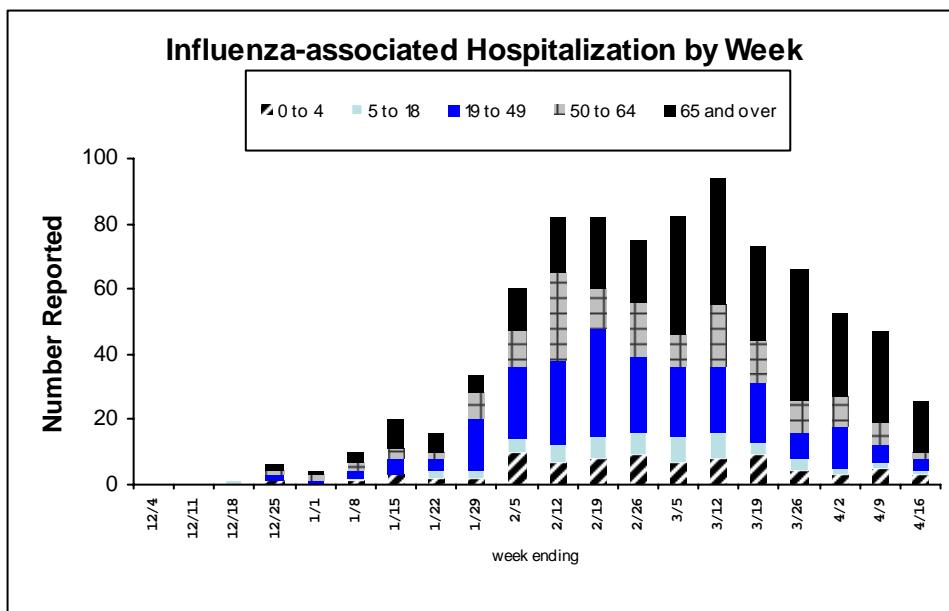
Respiratory Agent	Tested	Positive	% Positive	Flu A (H1)	Flu A (H3)	Flu A (Unk)	Flu B
Influenza	614	117	19.1%	9	40	16	54
Respiratory Agent	Tested	Positive	% Positive	P1	P2	P3	P4
Parainfluenza	282	9	3.2%	0	0	9	0
Respiratory Agent	Tested	Positive	% Positive	CoV-229E	CoV-OC43	CoV-NL63	CoV-HKU1
Coronavirus	146	0	0.0%	0	0	0	0

Respiratory Agent	Tested	Positive	% Positive
RSV	334	19	5.7%
Human Metapneumovirus	191	19	10.0%
Rhino-entero	193	26	13.5%
Adenovirus	177	3	1.7%

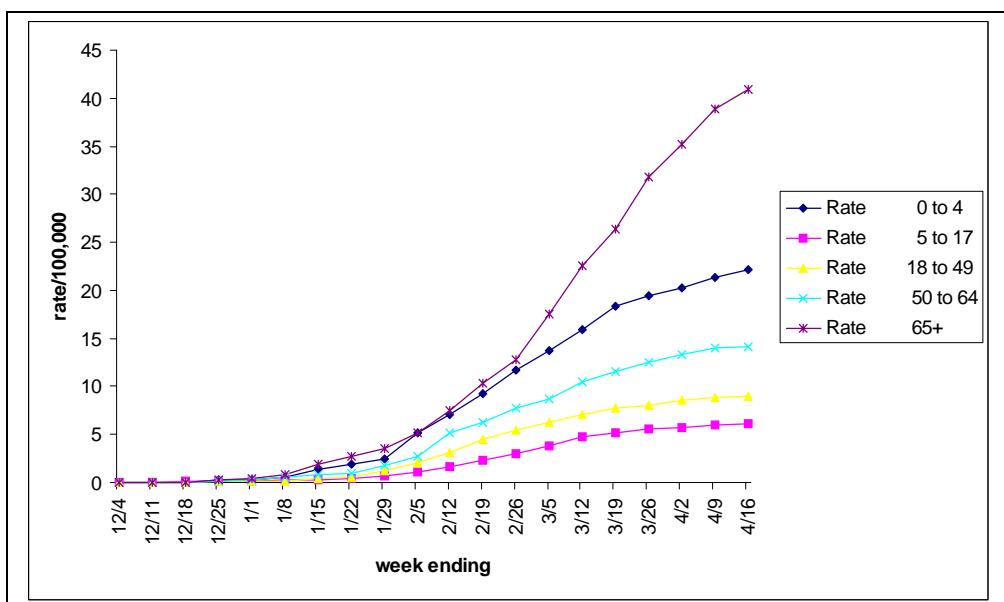


Influenza-associated Hospitalizations, December 1, 2010 to present

Age Group	Total Number Reported	Influenza Subtypes				Admitted to ICU	Required Mechanical Ventilation
		A/H1	A/H3	A/Unknown	B		
0 to 4	80	19	11	36	14	17	11
5 to 17	61	20	7	22	12	15	7
18 to 49	220	44	11	146	19	39	22
50 to 64	154	36	16	93	9	43	21
65 and over	319	15	49	238	17	37	14
Total	834	134	94	535	71	151	75



**Influenza Hospitalizations, by week and age group
Cumulative rate /100,000**



NATIONAL INFLUENZA SURVEILLANCE

