



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



Respiratory virus surveillance report for the week ending December 25, 2010, week 10-51

AT-A-GLANCE

- Respiratory viruses identified this week : Rhinovirus/enterovirus, influenza, RSV and parainfluenza were predominant viruses
- 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

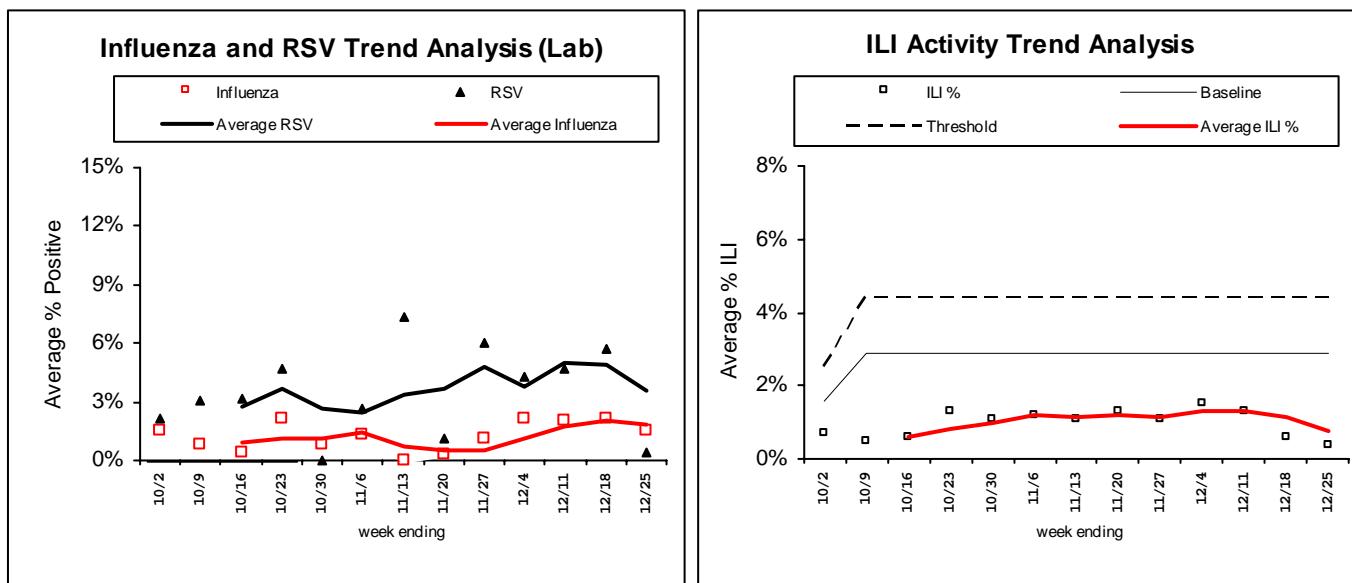
- ILI activity in Region V of the U.S. (WI, MN, IL, MI, OH) is slightly above baseline levels
- ILI activity in the U.S. is above baseline levels
- The Predictive Value Positive (PVP) for rapid influenza tests is: Low
(PVP is the probability of disease in a patient with a positive test result)
- The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

	Week 10-51	Total to Date
Wisconsin	0	0
United States	1	3

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

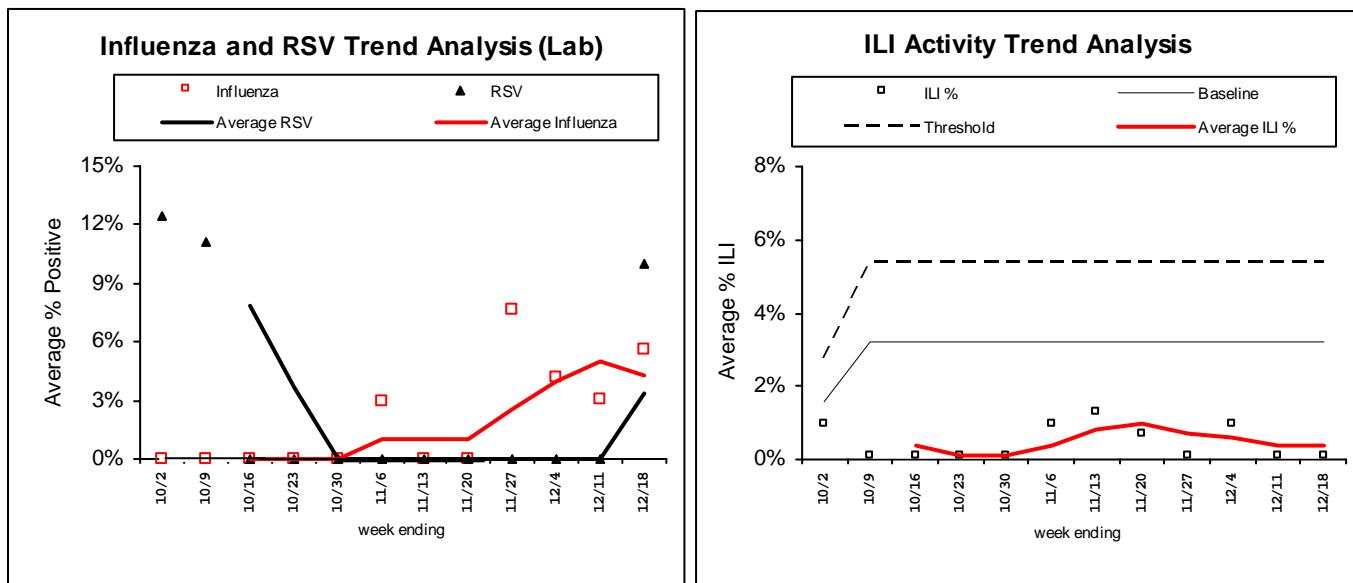
Wisconsin (ILI activity is Low)

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							
262	4	0	4	1.5%	101	11	10.9%	0.4%	2.9%	4.4%



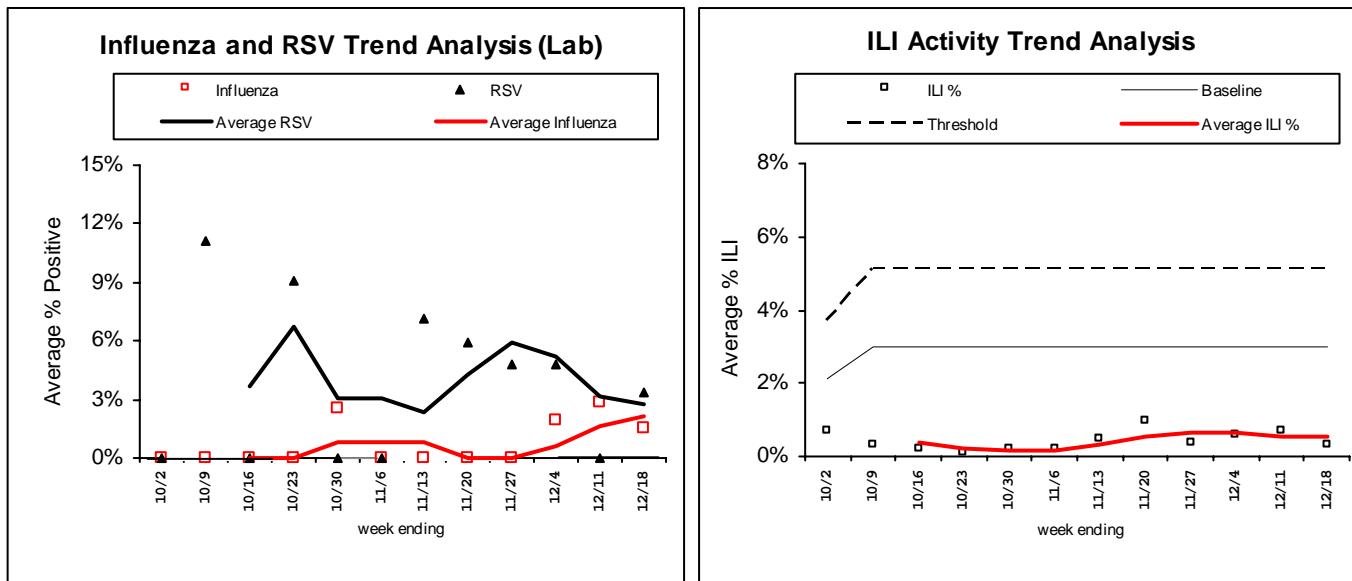
Northern Region (ILI activity is Low) *not updated this week*

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							
18	1	0	1	5.6%	10	1	10.0%	0.1%	3.2	5.4%



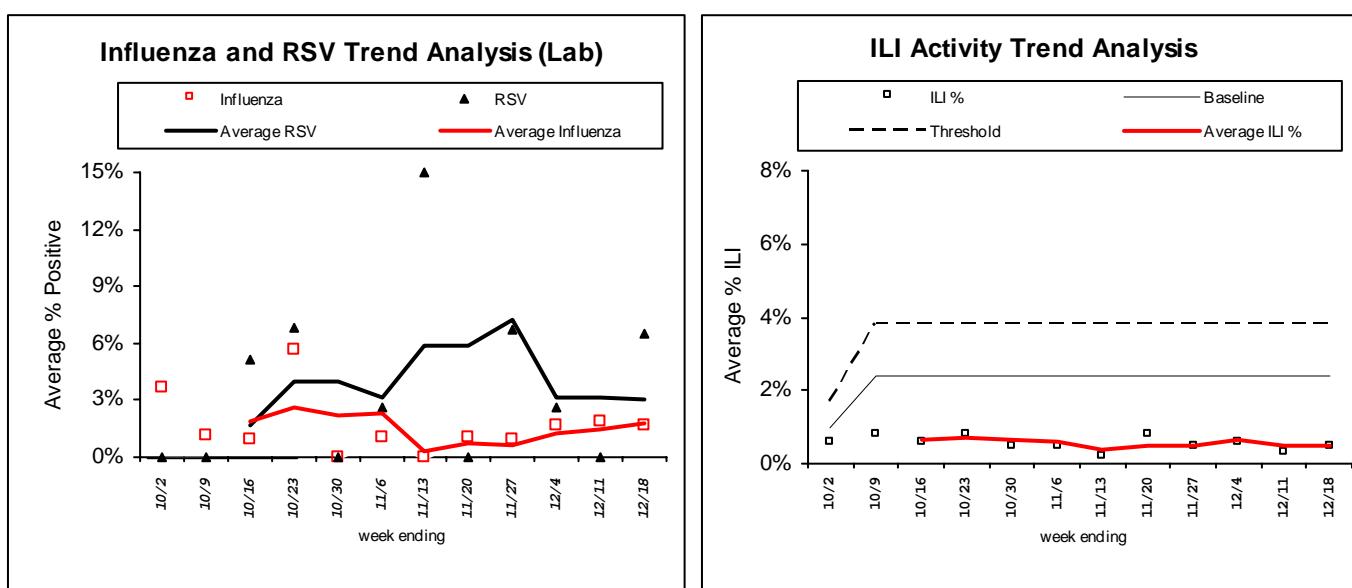
Western Region (ILI activity is Low) *not updated this week*

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	1	0	0	1.5%	19	1	3.4%	0.3%	3.0%	5.1%



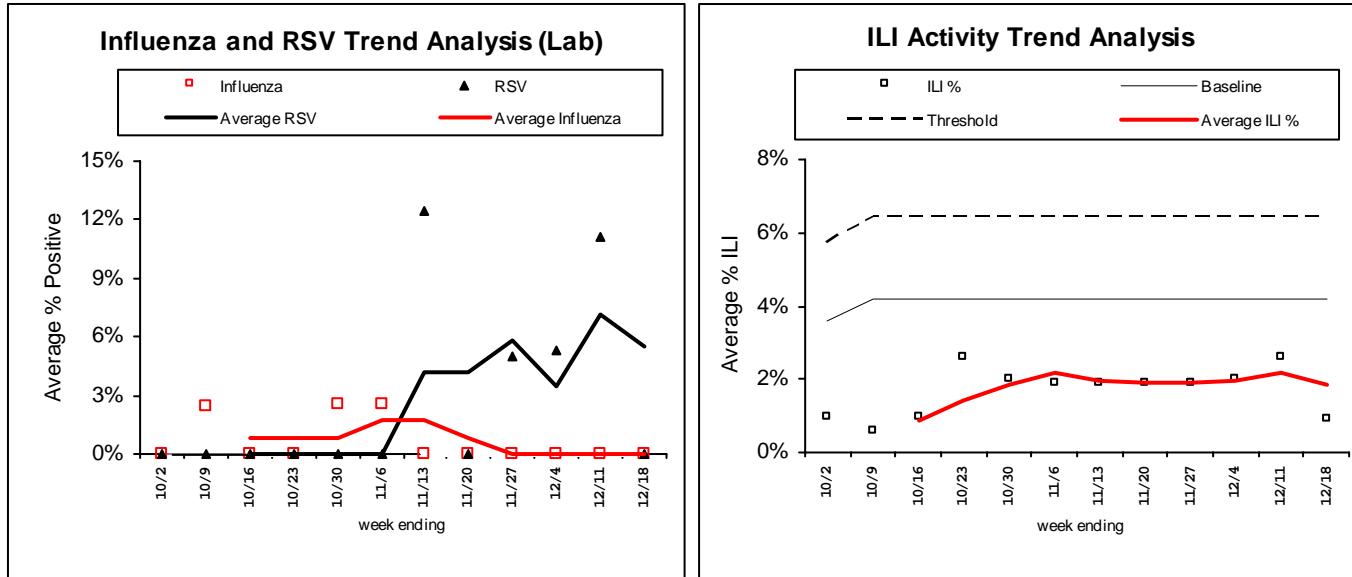
Northeastern Region (ILI activity is Low) *not updated this week*

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							
116	1	1	2	1.7%	31	2	6.5%	0.5%	2.4%	3.8%



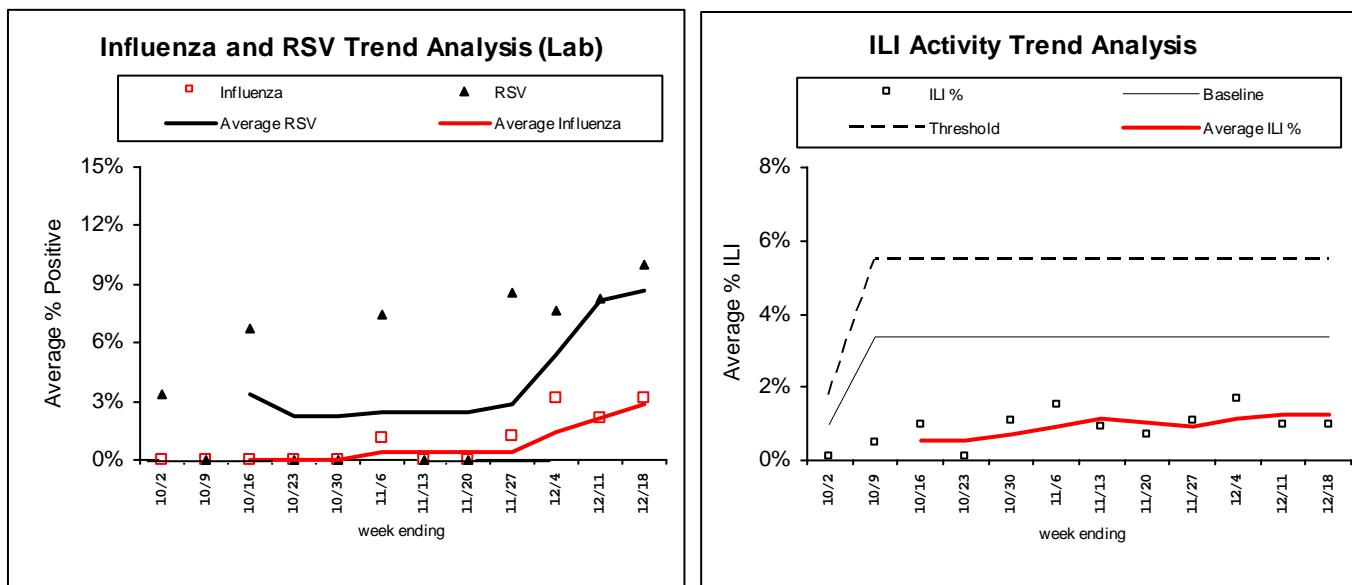
Southern Region (ILI activity is Low) not updated this week

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							
47	0	0	0	0.0%	30	0	0.0%	0.9%	4.2%	6.4%



Southeastern Region (ILI activity is Low) not updated this week

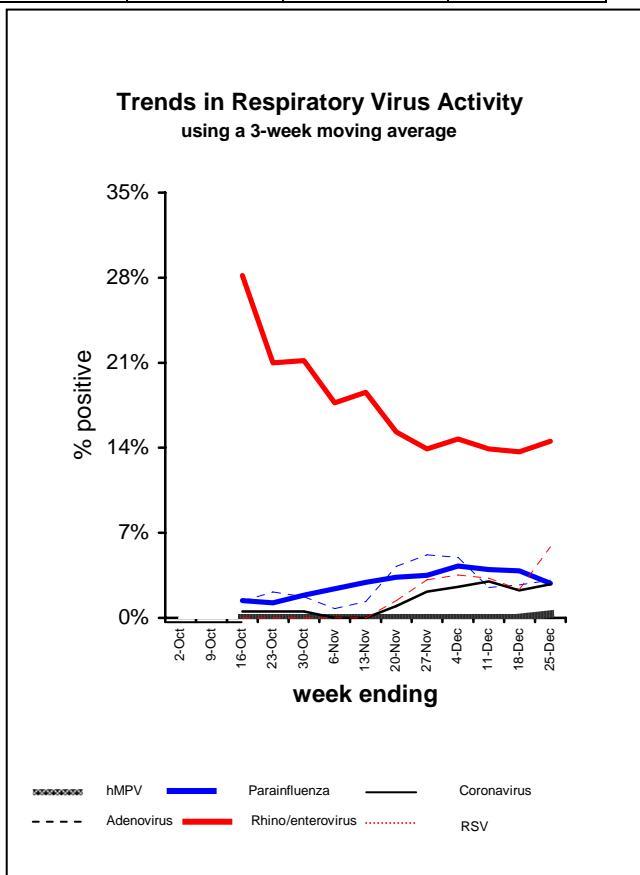
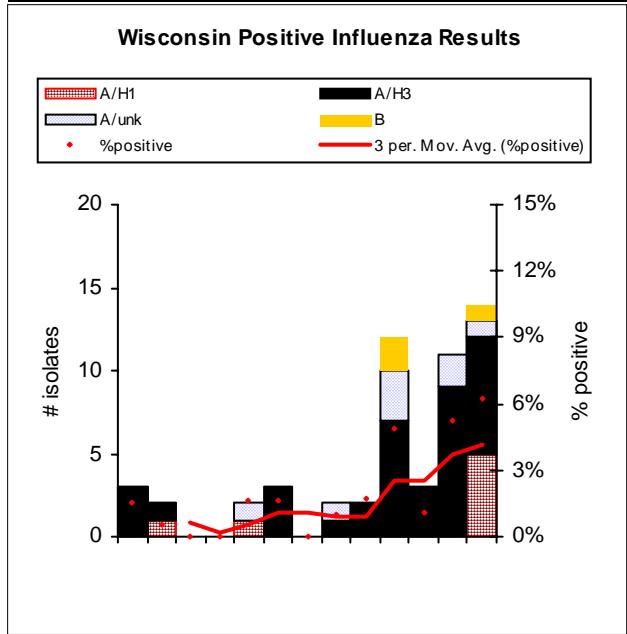
INFLUENZA RAPID ANTIGEN TESTS					RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS		
Tested	Positive			% Positive	Tested	Positive	% Positive	ILI %	Baseline	Threshold
	Flu A	Flu B	Total							
94	3	0	0	3.2%	40	4	10.0%	1.2%	3.4%	5.5%



LABORATORY SURVEILLANCE FOR RESPIRATORY VIRUSES (PCR)

Respiratory Agent	Tested	Positive	% Positive	Flu A (H1)	Flu A (H3)	Flu A (Unk)	Flu B
Influenza	226	14	6.2%	5	7	1	1
Respiratory Agent	Tested	Positive	% Positive	P1	P2	P3	P4
Parainfluenza	148	3	2.0%	1	0	2	0
Respiratory Agent	Tested	Positive	% Positive	CoV-229E	CoV-OC43	CoV-NL63	CoV-HKU1
Coronavirus	73	2	2.7%	0	1	1	0

Respiratory Agent	Tested	Positive	% Positive
RSV	163	19	11.7%
Human Metapneumovirus	98	0	1.0%
Rhino-entero	89	17	19.1%
Adenovirus	89	4	4.5%



NATIONAL INFLUENZA SURVEILLANCE

