



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



Respiratory virus surveillance report for the week ending July 12, 2014, week 14-28

AT-A-GLANCE

- Respiratory viruses identified this week :
rhinovirus and parainfluenza-3 were predominant
- Influenza-like illness (ILI) activity for this week

Wisconsin	Low
Wisconsin (CDC level)	Low
Northwestern Region	Low
Northeastern Region	Low
Southeastern Region	Low
Southern Region	Low

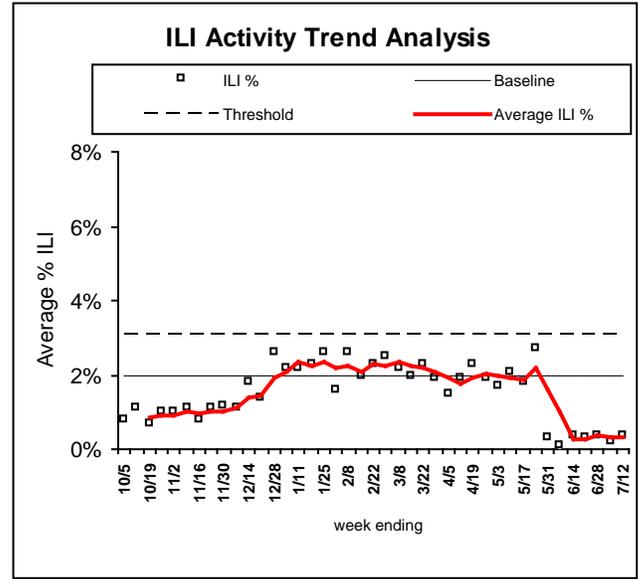
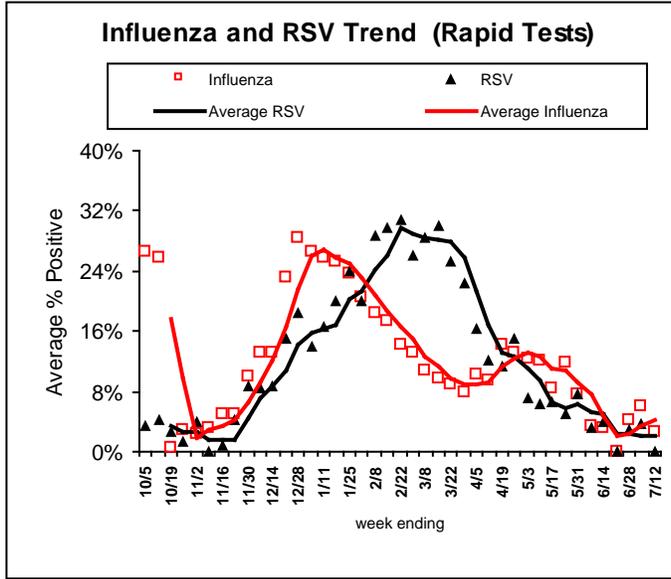
- ILI activity in Region V of the U.S. (WI, MN, IL, MI, OH, IN) is below baseline levels
- ILI activity in the U.S. is below baseline levels
- The Predictive Value Positive (PVP) for rapid influenza and RSV tests is: Low (PVP is the probability of disease in a patient with a positive test result)
- The Predictive Value Negative (PVN) for rapid influenza and RSV tests is: High (PVN is the probability of not having disease when the test result is negative)
- Influenza-associated pediatric deaths reported (October 5, 2013-present)

	<u>Week 14-28</u>	<u>Total to Date</u>
Wisconsin	0	2

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

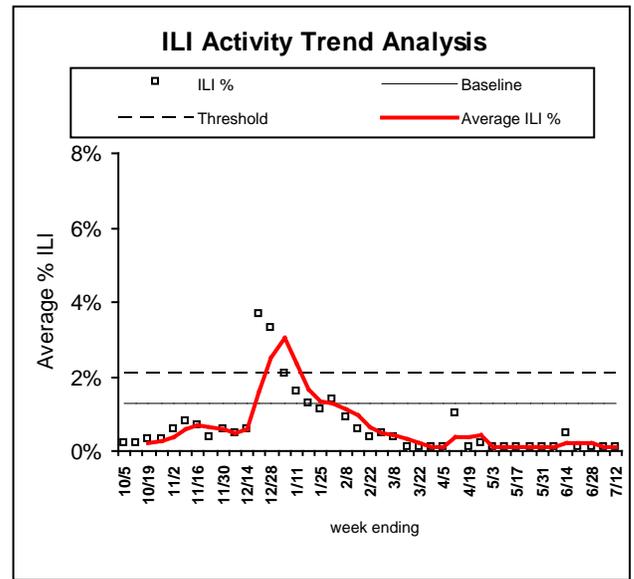
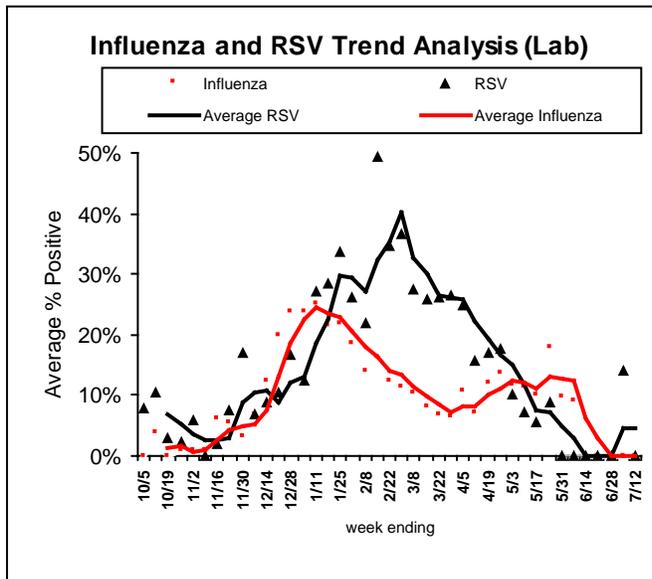
Wisconsin (ILI activity is Low)

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							
75	1	1	2	2.7%	32	0	0%	0.4%	2.0%	3.1%



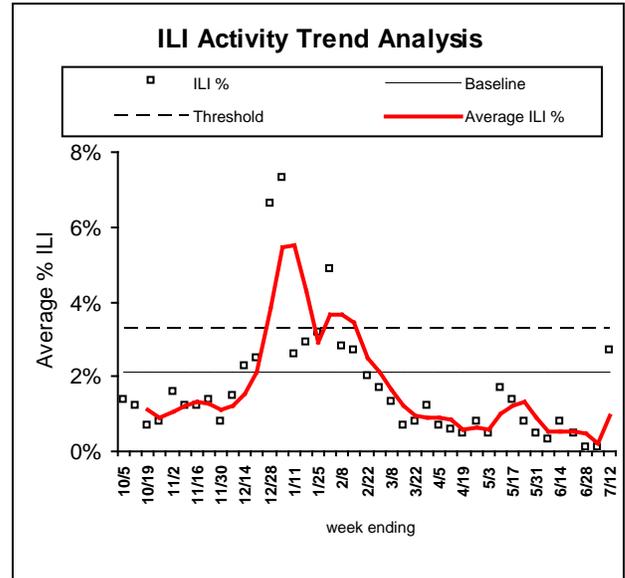
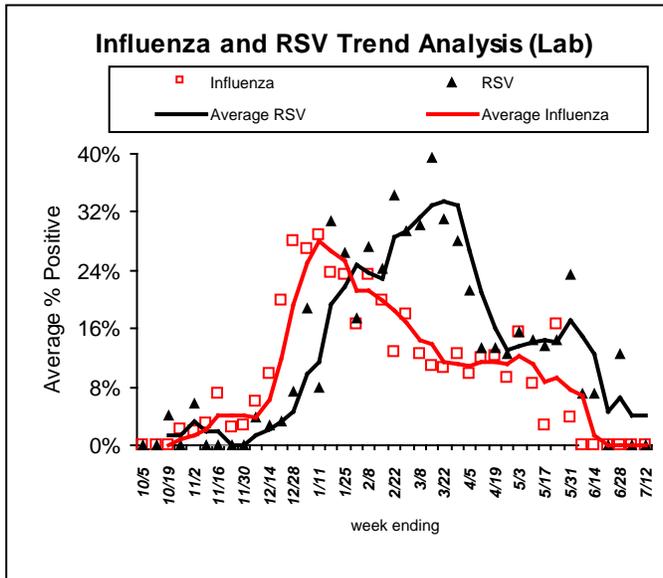
Northwestern Region (ILI activity is Low)

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							
13	0	0	0	0%	7	0	0%	0.1%	1.3%	2.1%



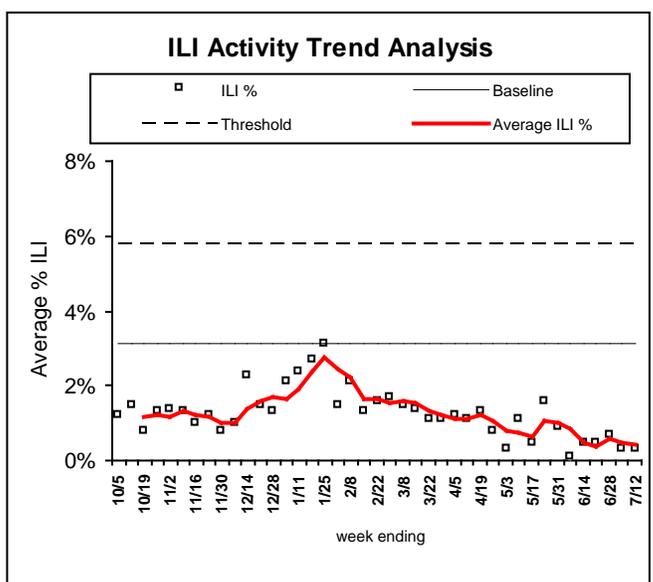
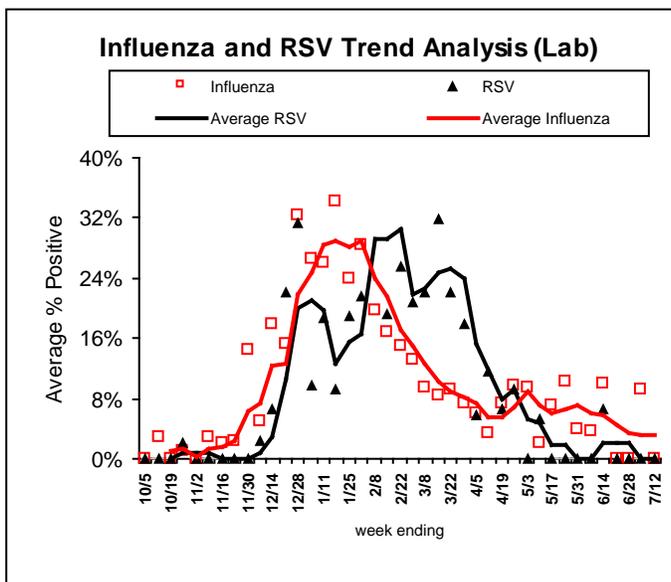
Northeastern Region (ILI activity is Low)

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							
9	0	0	0	0%	4	0	0%	2.7%	2.1%	3.3%



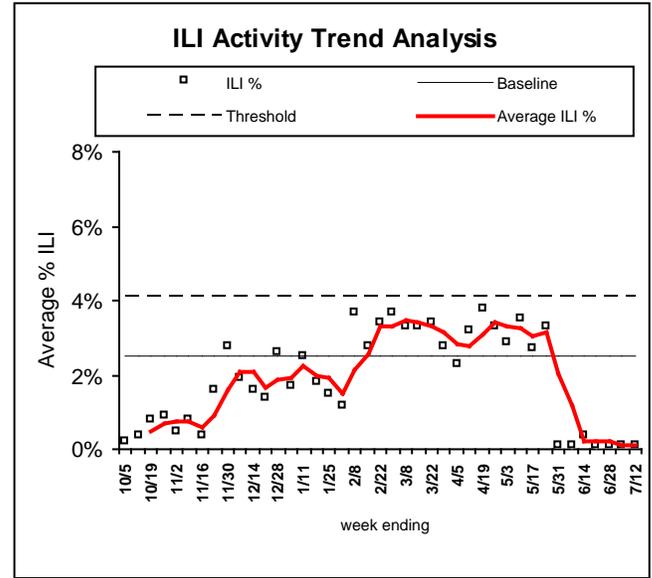
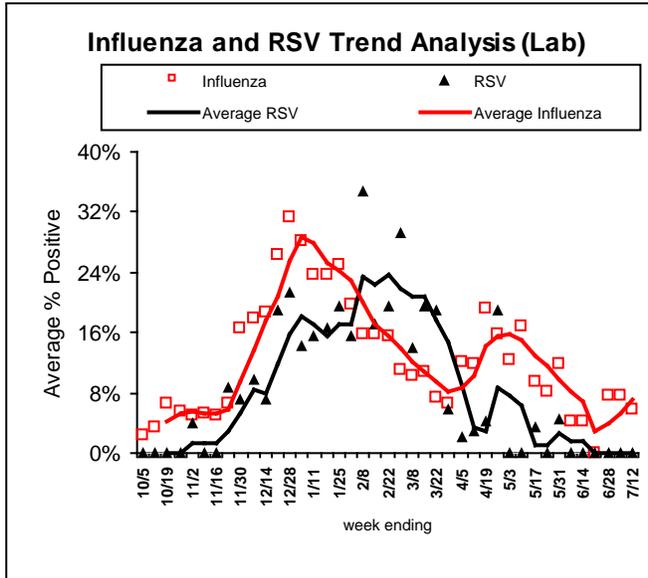
Southern Region (ILI activity is Low)

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							
12	0	0	0	0%	10	0	0%	0.3%	3.1%	5.8%



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							
34	1	1	2	5.9%	11	0	0%	0.1%	2.5%	4.1%

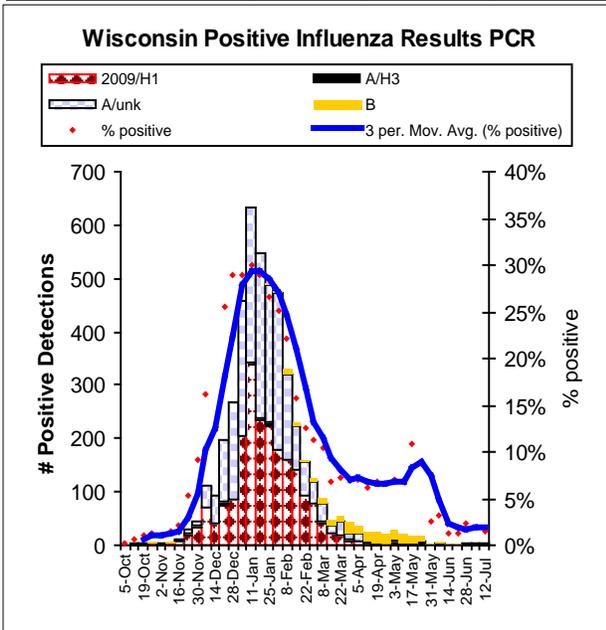
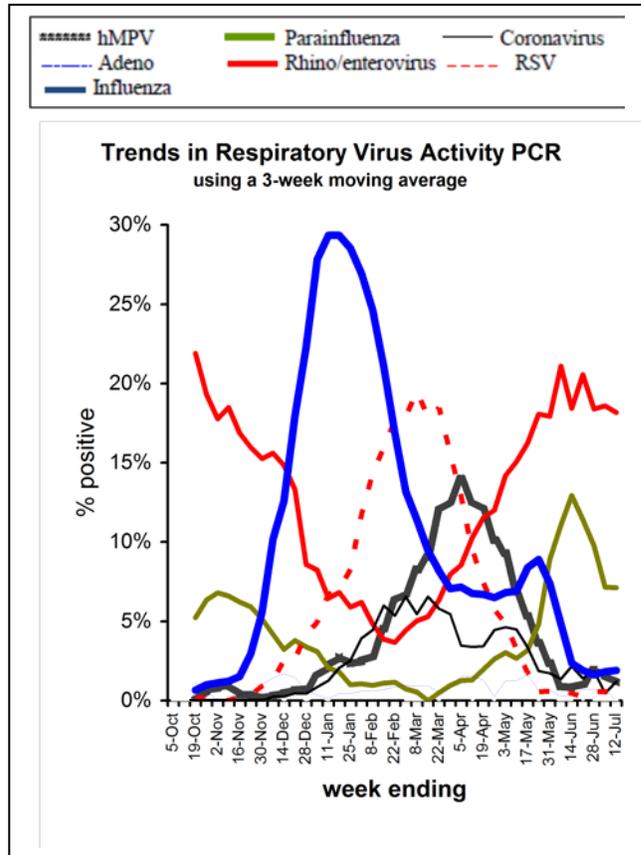


For the 2013-14 influenza season, data from the Western Region and the Northern Region will be combined and referred to as the Northwestern Region. This change was made in response to the small number of providers who participate in our weekly surveillance in the Northern Region.

LABORATORY SURVEILLANCE FOR RESPIRATORY VIRUSES (PCR)

Respiratory Agent	Tested	Positive	% Positive	Flu A 2009/H1N1	Flu A Seasonal H3	Flu A (Unk)	Flu B
Influenza	147	2	1.4%	1	0	1	0
Respiratory Agent	Tested	Positive	% Positive	P1	P2	P3	P4
Parainfluenza	102	7	9.8%	1	1	6	0
Respiratory Agent	Tested	Positive	% Positive	CoV-229E	CoV-OC43	CoV-NL63	CoV-HKU1
Coronavirus	45	1	2.2%	0	0	0	1

Respiratory Agent	Tested	Positive	% Positive
RSV	114	0	0%
Human Metapneumovirus	100	0	0%
Rhino-entero	84	18	21.4%
Adenovirus	70	0	0%

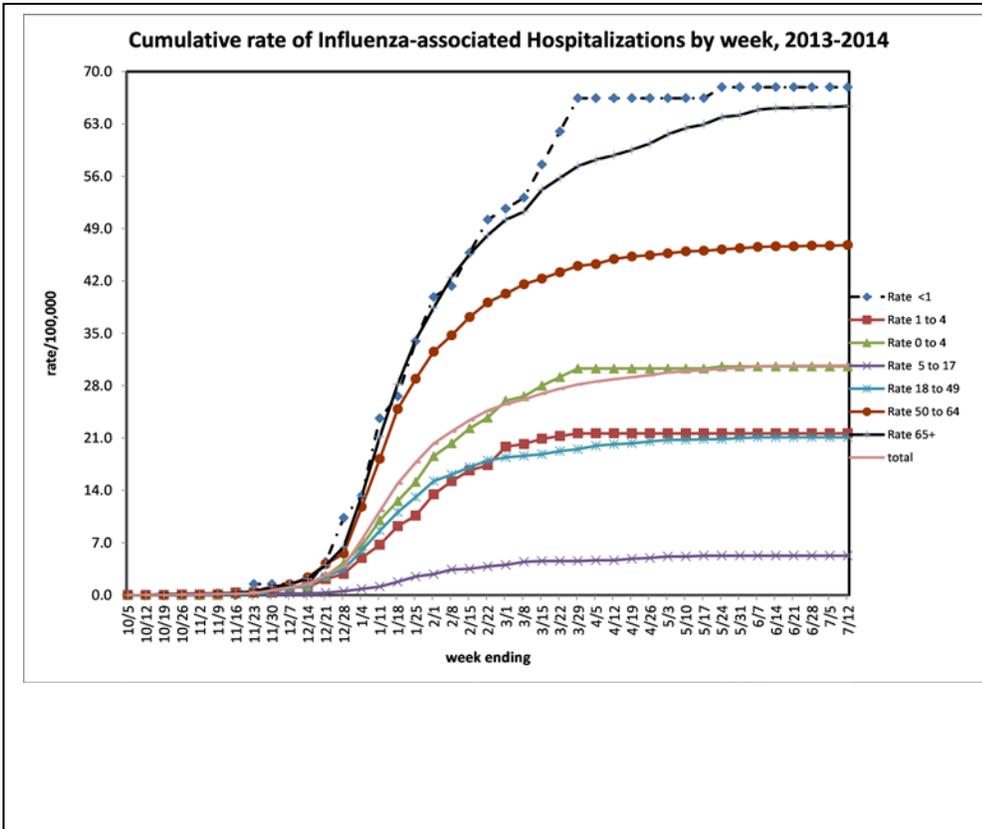


**Cumulative number of positive influenza tests
By subtype, October 5, 2013 to July 12, 2014**

	2009 A/H1	Seasonal A/H3	A/Unknown	B	Total
Total Number positive	2099	56	2269	200	4624
% of Total number positive	45%	1%	49%	4%	100%
	Total Influenza A %			Total Influenza B %	
	96%			4%	

Influenza-associated Hospitalizations, October 5, 2013 to July 12, 2014

Age Group	Total Number Reported (2013-14)	Influenza Subtypes				Not reported	Admitted to ICU	Required Mechanical Ventilation
		2009 H1N1	H3N2	A/Unknown or undetermined	B			
< 1 year	48	6		35	7		4	2
1 to 4	56	11		40	5		7	3
5 to 17	46	10	1	28	7		13	3
18 to 49	499	139	1	324	34	1	113 23%	52 10%
50 to 64	565	155	1	371	38		144 25%	65 12%
65 and over	558	130	9	339	80		84	27
Total	1772	451	12	1137	171	1	365 21%	152 9%



Age group	Incidence/100,000*	
	Wisconsin	National
65 +	67.9	
50-64	21.6	
18-49	30.6	
5-17	5.3	
1-4	21.1	
0-4	46.8	
<1	65.4	
All ages	30.7	