

## **WISCONSIN DEPARTMENT OF HEALTH SERVICES**



# Division of Public Health Bureau of Communicable Diseases and Emergency Response

Respiratory virus surveillance report for the week ending February 4, 2012 week 12-04

#### AT-A-GLANCE

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

Wisconsin Low
Wisconsin (CDC level) Minimal
Western Region Low
Northern Region Low
Southeastern Region Low
Southern Region Low
Low
Southern Region Low
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 <u>below</u> baseline levels
- The Predictive Value Positive (PVP) for rapid influenza tests is: low but increasing (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 but decreasing (PVN is the probability of not having disease when the test result is negative)
- Influenza-associated pediatric deaths (October 8, 2011-present)

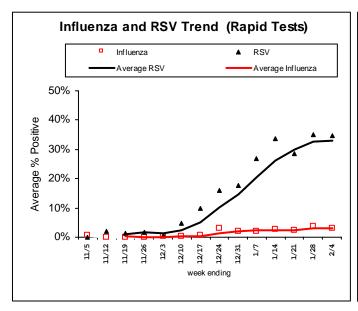
	Week 12-04	Total to Date
Wisconsin	0	0
United States	1	2

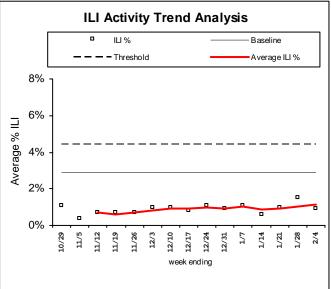
#### WISCONSIN and REGIONAL SUMMARIES

(Trend analysis based on 3-week moving averages)

#### Wisconsin (ILI activity is Low)

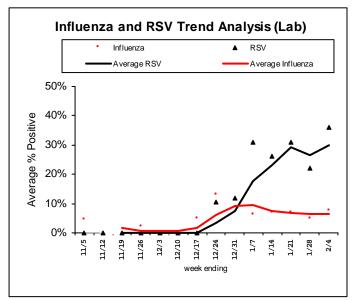
INFLUENZA RAPID ANTIGEN TESTS					RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS		
Tested		Positive		% Positive	Tested	Positive	% Positive	ILI %	Baseline	Threshold
100104	Flu A	Flu A Flu B Total		70 1 0011110	100100	1 0011110	70 1 0011110	121 70	Baconno	rinconord
449	13	1	14	3.1%	481	167	34.7%	0.9%	2.9%	4.4%

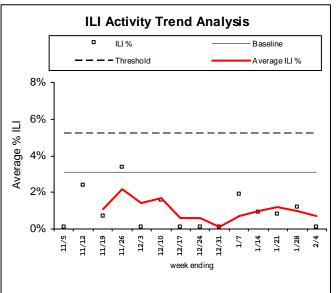




Northern Region (ILI activity is Low)

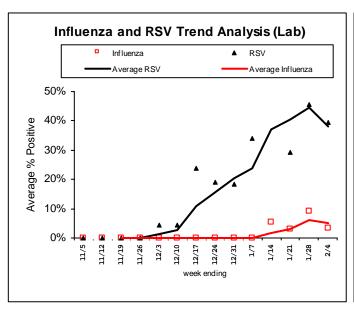
INFLUENZA RAPID ANTIGEN TESTS					RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS		
Tested		Positive		% Positive	Tested	Positive	% Positive	ILI %	Baseline	Threshold
	Flu A Flu B Total		70.1 00.11.10				,0			
39	3	0	3	7.7%	36	13	36.1%	0.1%	3.1%	5.2%

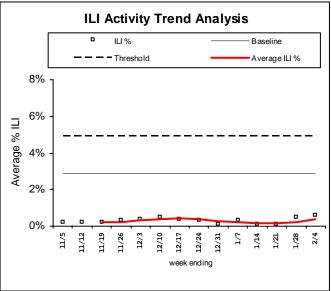




#### Western Region (ILI activity is Low)

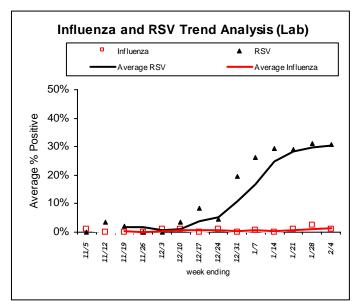
INFLUENZA RAPID ANTIGEN TESTS					RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS		
Tested	Positive 9/			% Positive	Tested	Positive	% Positive	ILI %	Baseline	Threshold
100104	Flu A	Flu A Flu B Total		70 1 0011110	100100	1 0011110	70 1 0011110	121 70	Baconno	Timoonoid
90	3 0 3 3.				117	46	39.3%	0.6%	2.9%	4.9%

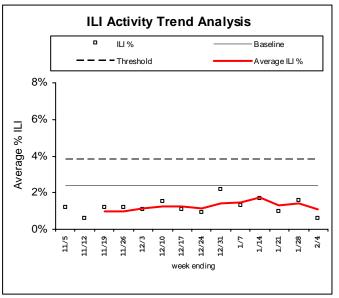




#### Northeastern Region (ILI activity is Low)

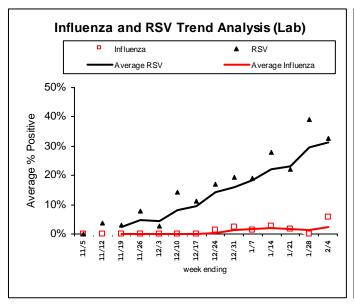
INFLUENZA RAPID ANTIGEN TESTS				RSV RA	RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS		
Tested		Positive		% Positive	Tested	Positive	% Positive	ILI %	Baseline	Threshold
	Flu A	Flu B	Total	,,,,,,			70 1 0011110			
117	1	0	1	0.9%	149	46	30.9%	0.6%	2.4%	3.8%

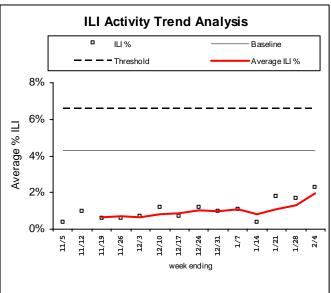




#### Southern Region (ILI activity is Low)

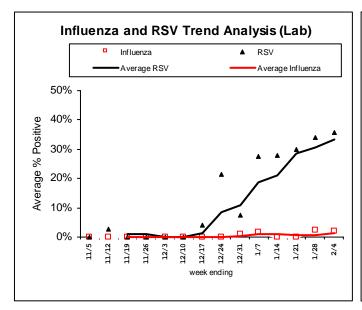
INFLUENZA RAPID ANTIGEN TESTS					RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS		
Tested	Positive % Positi				Tested	d Positive	% Positive	ILI %	Baseline	Threshold
100100	Flu A	Flu A Flu B Total		70 1 0011110	100100	1 0011110	70 1 0011110	121 70	Baconno	Timoonoid
69	4	0	4	5.8%	67	22	32.8%	2.3%	4.3%	6.6%

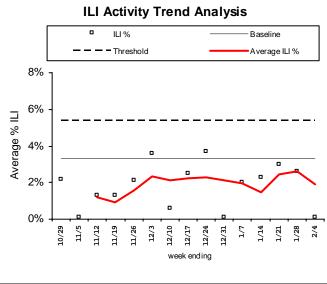




#### Southeastern Region (ILI activity is Low)

INFLUENZA RAPID ANTIGEN TESTS					RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS		
Tested	Positive % Positiv				Tested	Positive	% Positive	ILI %	Baseline	Threshold
100100	Flu A	Flu A Flu B Total		70 1 0011110	100100	1 0011110	70 1 0011110	121 70	Daooiiiio	Thiodhold
134	2 1 3			2.2%	112	40	35.7%	0.1%	3.3%	5.5%

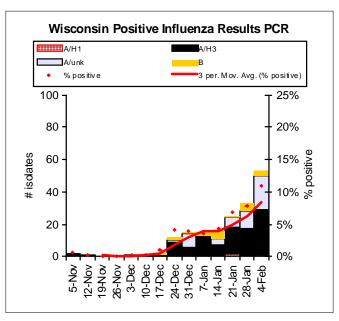


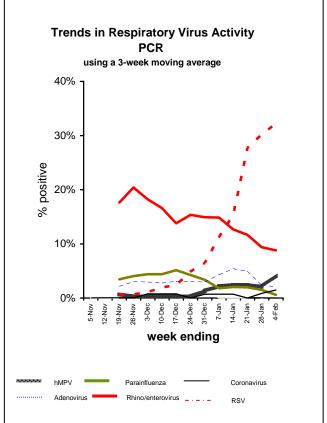


#### LABORATORY SURVEILLANCE FOR RESPIRATORY VIRUSES (PCR)

Respiratory Agent	Tested	Positive	% Positive	Flu A (H1)	Flu A (H3)	Flu A (Unk)	Flu B
Influenza	485	53	10.9%	1	28	21	3
Respiratory Agent	Tested	Positive	% Positive	P1	P2	Р3	P4
Parainfluenza	174	1	0.5%	0	0	1	0
Respiratory Agent	Tested	Positive	% Positive	CoV-229E	CoV-OC43	CoV-NL63	CoV-HKU1
Coronavirus	54	1	1.8%	0	0	0	1

Respiratory Agent	Tested	Positive	% Positive
RSV	241	67	27.8%
Human Metapneumovirus	87	7	8.0%
Rhino-entero	71	6	8.4%
Adenovirus	71	3	4.2%





Cumulative number of positive influenza tests By subtype, October 1, 2011 to present

	2009 A/H1	A/H3	A/Unknown	В	Total
Total Number positive	4	98	36	19	157
% of Total number positive	3%	62%	23%	12%	100%

### Influenza-associated Hospitalizations, October 1, 2011 to present

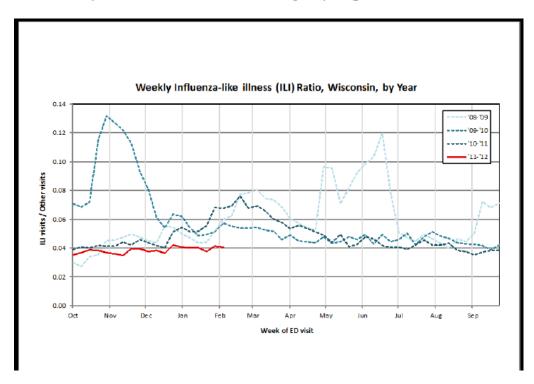
New hospitalizations this week 2

	Total Number Reported (year)		Influenza	a Subtypes		Admitted	Required Mechanical
Age Group		A/H1	A/H3	A/Unknown	В	to ICU	Ventilation
< 1 year	0	0	0	0	0	0	0
0 to 4*	1	0	1	0	0	0	0
5 to 17	0	0	0	0	0	0	0
18 to 49	1	0	0	1	0	1	1
50 to 64	3	1	1	1	0	0	0
65 and over	1	0	0	1	0	0	0
Total	6	1	2	3	0	1	1

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

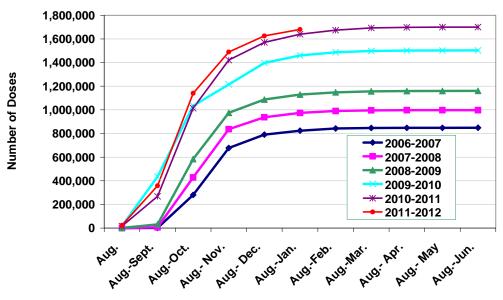
This graph will be updated as the season progresses

# Syndromic Surveillance, Emergency Department Data



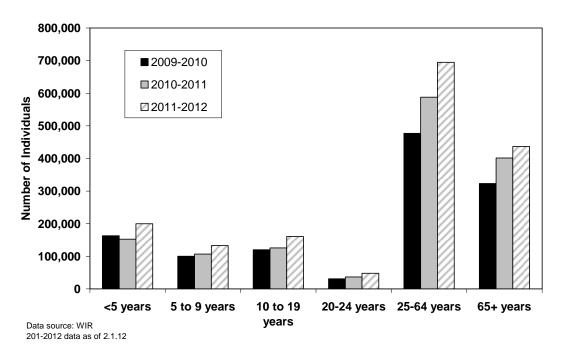
### Seasonal Influenza Vaccination in Wisconsin Based on doses reported to the Wisconsin Feb. 2, 2012

Cumulative Doses of Seasonal Influenza Administered and Reported to the WIR, 2006-2012 Influenza Seasons

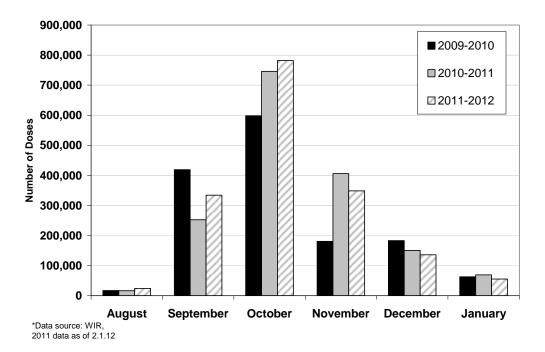


Data source: WIR Data as of 2.1.12

Number of Individuals Vaccinated and Between Aug-Nov by Age Group for Seasonal Influenza as Reported to the WIR, 2009-2011

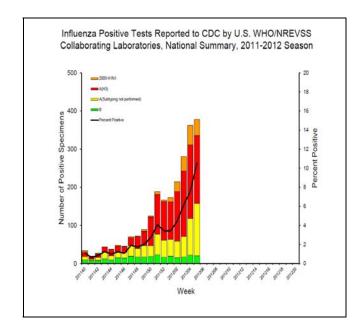


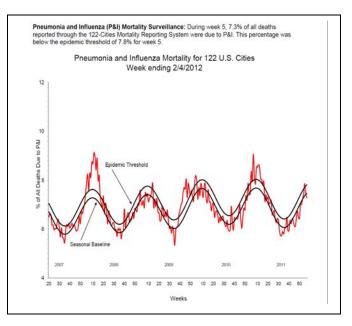
# Number of Doses of Seasonal Influenza Vaccine Administered and Reported to the WIR, by Month for Influenza Seasons 2009-2012

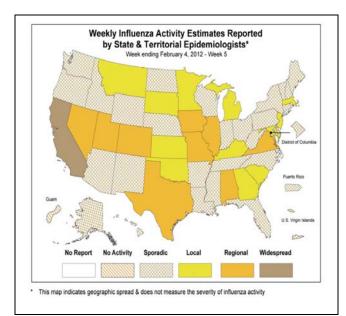


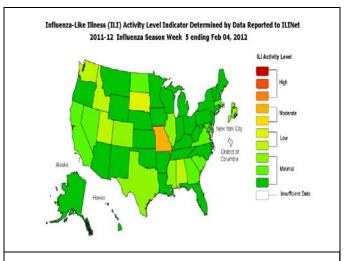
- These graphs include only doses of seasonal influenza vaccine administered and reported to the Wisconsin Immunization Registry (WIR).
- Data for 2011-2012 season is incomplete because of the expected lag between the vaccine administration date and the date reported to the WIR, which may be a short as one day or as long as several months, depending on the submitter. Therefore, the current season's data will be adjusted as additional data is received.
- While use of the WIR is not mandatory, the WIR receives data from a variety of sources, including health care providers, health maintenance organizations, local health departments and tribal health centers/clinics, schools and pharmacies.
- For additional information regarding the immunization data, please contact Stephanie Schauer, epidemiologist, with the Wisconsin Immunization Program at (608) 264-9884.

#### NATIONAL INFLUENZA SURVEILLANCE









"This map uses the proportion of outpatient visits to health care providers for influenza-like illness to measure the LLI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.