

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 11, 2012 week 12-06

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)

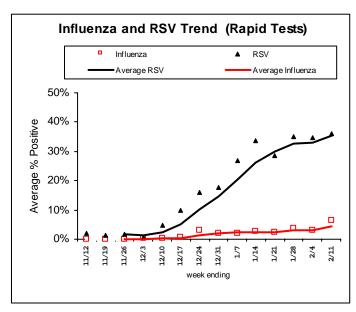
	Week 12-06	Total to Date
Wisconsin	0	0
United States	1	3

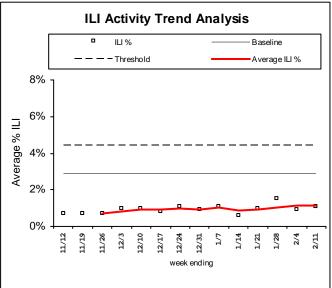
WISCONSIN and REGIONAL SUMMARIES

(Trend analysis based on 3-week moving averages)

Wisconsin (ILI activity is Low)

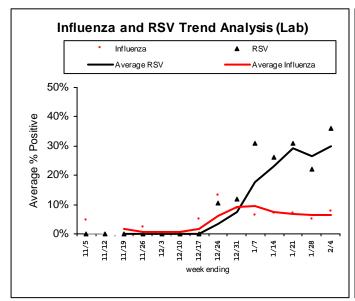
INFLUENZA RAPID ANTIGEN TESTS					RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS		
Tested	Positive			% Positive	Tested	Positive	% Positive	ILI %	Baseline	Threshold
100100	Flu A	Flu A Flu B Total		70 1 0011110	100100	1 0011110	70 1 0011110	121 70	Daooiiiio	THIODHOIG
527	31 3 34			6.4%	507	183	36.0%	1.1%	2.9%	4.4%

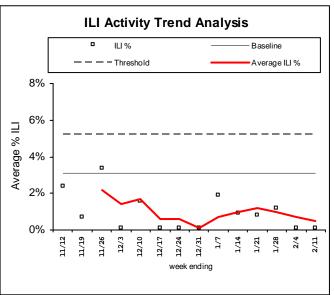




Northern Region (ILI activity is Low)

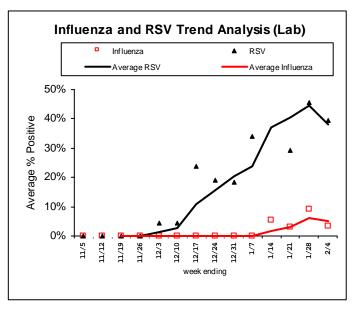
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Tested	Positive			% Positive	Tested	Positive	% Positive	ILI %	Baseline	Threshold
	Flu A	Flu A Flu B Total		,,,,,,			, , , , , , , , , , , , , , , , , , , ,	,0		
								0.1%	3.1%	5.2%

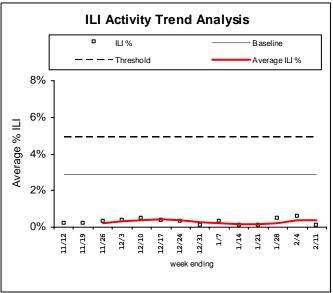




Western Region (ILI activity is Low)

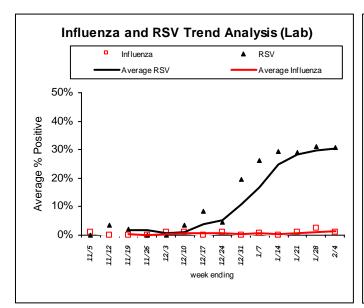
IN	INFLUENZA RAPID ANTIGEN TESTS					RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS		
Tested	Positive			% Positive	Tested	Tested Positive	% Positive	ILI %	Baseline	Threshold	
103100	Flu A	Flu A Flu B Total		70 1 03111140	103100	1 0311110	70 1 OSITIVE	121 /0	Dascinic	THICSHOIG	
								0.1%	2.9%	4.9%	

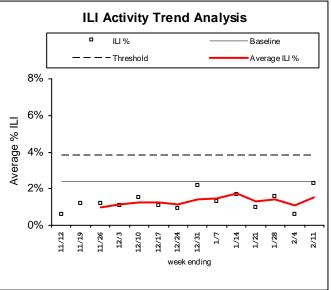




Northeastern Region (ILI activity is Low)

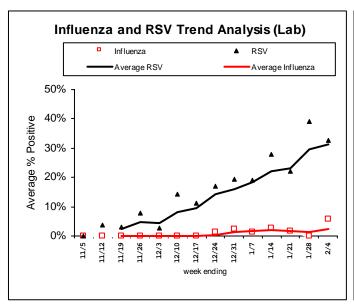
INFLUENZA RAPID ANTIGEN TESTS					RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS		
Tested	Positive			% Positive	Tested	Positive	% Positive	ILI %	Baseline	Threshold
100100	Flu A	Flu A Flu B Total		70 1 0011110	100104	1 0011110	70 1 0011110	1L1 70	Daoonno	THIOGHOIG
								2.3%	2.4%	3.8%

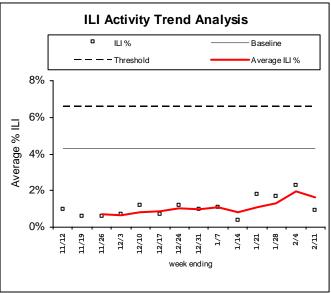




Southern Region (ILI activity is Low)

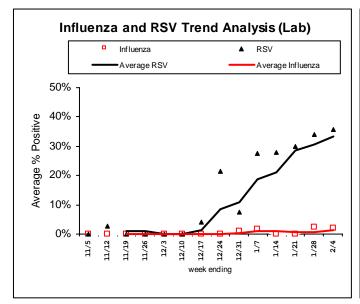
INFLUENZA RAPID ANTIGEN TESTS					RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS		
Tested	Positive % Positive			Tested	Positive	% Positive	ILI %	Baseline	Threshold	
100100	Flu A	Flu A Flu B Total		70 1 0011110	100100	1 0011110	70 1 0011110	121 70	Daooiiiio	THIOGHOIG
								0.9%	4.3%	6.6%

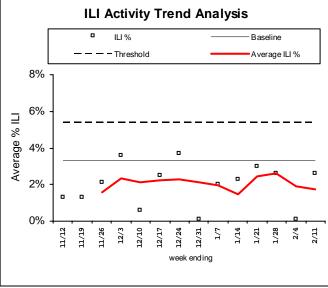




Southeastern Region (ILI activity is Low)

INFLUENZA RAPID ANTIGEN TESTS					RSV RAPID ANTIGEN TESTS			INFLUENZA-LIKE ILLNESS		
Tested	Positive			% Positive	Tested	Positive	% Positive	ILI %	Baseline	Threshold
100100	Flu A	Flu A Flu B Total		70 1 0011110	100100	1 0011110	70 1 0011110	121 70	Daooiiiio	Thiodhold
								2.6%	3.3%	5.5%

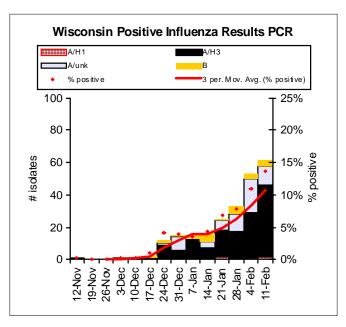


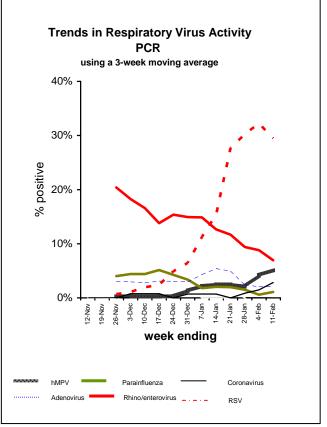


LABORATORY SURVEILLANCE FOR RESPIRATORY VIRUSES (PCR)

Respiratory Agent	Tested	Positive	% Positive	Flu A (H1)	Flu A (H3)	Flu A (Unk)	Flu B
Influenza	454	62	13.6%	2	44	12	4
Respiratory Agent	Tested	Positive	% Positive	P1	P2	Р3	P4
Parainfluenza	212	6	2.8%	4	1	0	1
Respiratory Agent	Tested	Positive	% Positive	CoV-229E	CoV-OC43	CoV-NL63	CoV-HKU1
Coronavirus	72	3	4.1%	2	1	0	0

Respiratory Agent	Tested	Positive	% Positive
RSV	285	105	36.8%
Human Metapneumovirus	101	6	5.9%
Rhino-entero	92	8	8.6%
Adenovirus	92	2	2.1%





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	6	142	48	23	219
% of Total number positive	3%	65%	22%	10%	100%

Influenza-associated Hospitalizations, October 1, 2011 to present

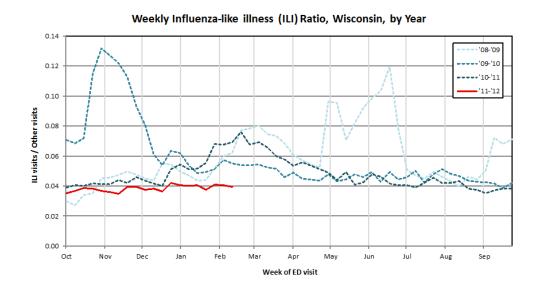
New hospitalizations this week 6

	Total		Influenza	Subtypes		Admitted	Required
Age Group	Number Reported (year)	A/H1	A/H3	A/Unknown	В	to ICU	Mechanical Ventilation
< 1 year	0	0	0	0	0	0	0
0 to 4*	2	0	2	0	0	0	0
5 to 17	2	0	0	2	0	0	0
18 to 49	1	0	0	1	0	1	1
50 to 64	5	1	2	2	0	0	0
65 and over	2	0	0	2	0	0	0
Total	12	1	4	7	0	1	1

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

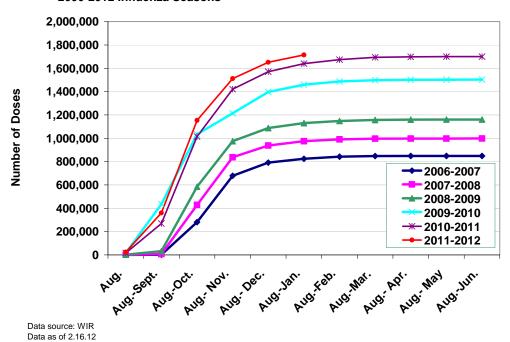
This graph will be updated as the season progresses

Syndromic Surveillance, Emergency Department Data

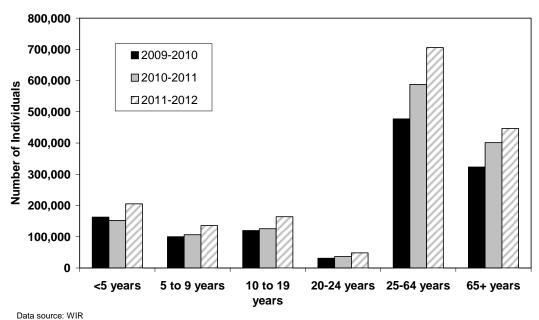


Seasonal Influenza Vaccination in Wisconsin Based on doses reported to the Wisconsin Feb. 16, 2012

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

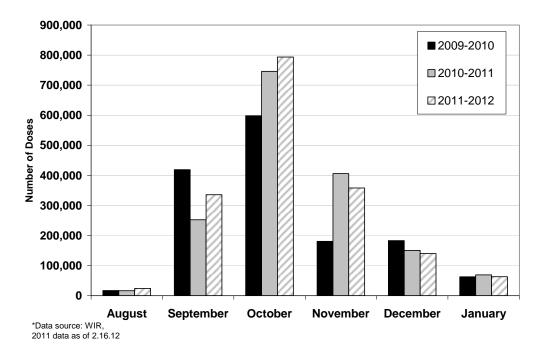


Number of Individuals Vaccinated and Between Aug-Nov by Age Group for Seasonal Influenza as Reported to the WIR, 2009-2011



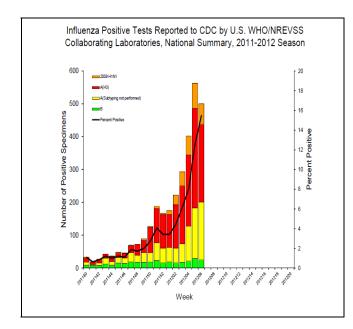
201-2012 data as of 2.16.12

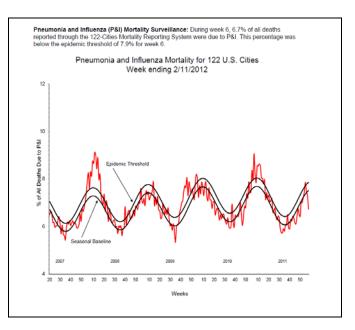
Number of Doses of Seasonal Influenza Vaccine Administered and Reported to the WIR, by Month for Influenza Seasons 2009-2012

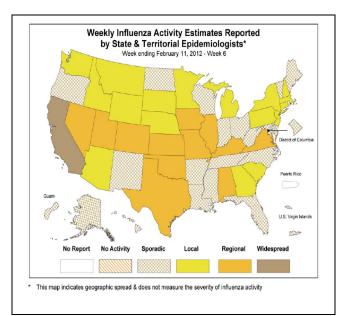


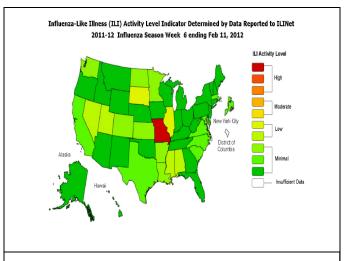
- These graphs include only doses of seasonal influenza vaccine administered and reported to the Wisconsin Immunization Registry (WIR).
- Data for 2011-2012 season is incomplete because of the expected lag between the vaccine administration date and the date reported to the WIR, which may be a short 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.