



# RESPIRATORY VIRUS SURVEILLANCE REPORT

Week 28, Ending July 17, 2021

Wisconsin Department of Health Services | Division of Public Health  
Bureau of Communicable Diseases | Communicable Diseases Epidemiology Section

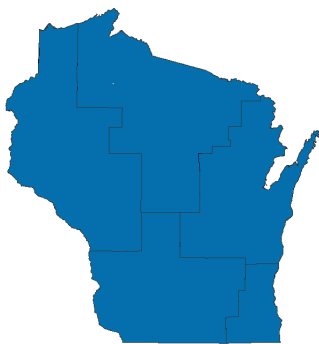
[www.dhs.wisconsin.gov/dph/bcd.htm](http://www.dhs.wisconsin.gov/dph/bcd.htm) | [dhsdphbcd@dhs.wi.gov](mailto:dhsdphbcd@dhs.wi.gov)



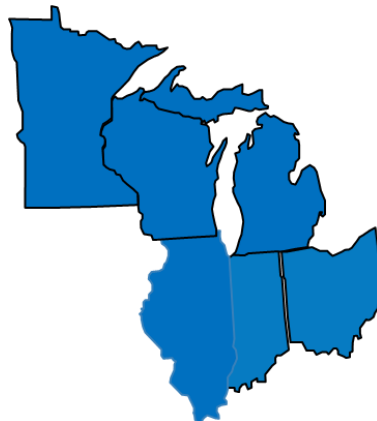


# INFLUENZA LIKE ILLNESS (ILI) ACTIVITY

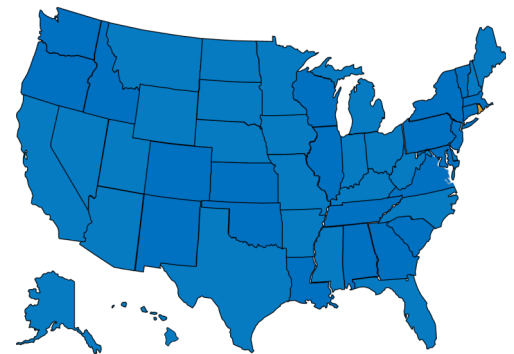
## STATE OF WISCONSIN



## REGION V OF US (WI, MN, IL, MI, OH, IN)



## UNITED STATES



● ILI: HIGH LEVELS   ● ILI: MODERATE LEVELS   ● ILI: BELOW BASELINE   ● ILI: INSUFFICIENT DATA

## AT-A-GLANCE:

### ■ Predominant Viruses of the Week:

Rhino/enterovirus and parainfluenza are the predominant viruses this week. RSV activity is unusually high for this time of year.

### Current Alerts:

Additional data on SARS-CoV-2 (the virus causing COVID-19) trends in Wisconsin can be found at:

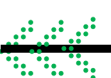
<https://www.dhs.wisconsin.gov/covid-19/data.htm>

## INFLUENZA-ASSOCIATED PEDIATRIC DEATHS REPORTED:

	Week 28, 2021	October 1, 2020 to present
<b>Wisconsin</b>	0	0
<b>Nationwide</b>	0	1



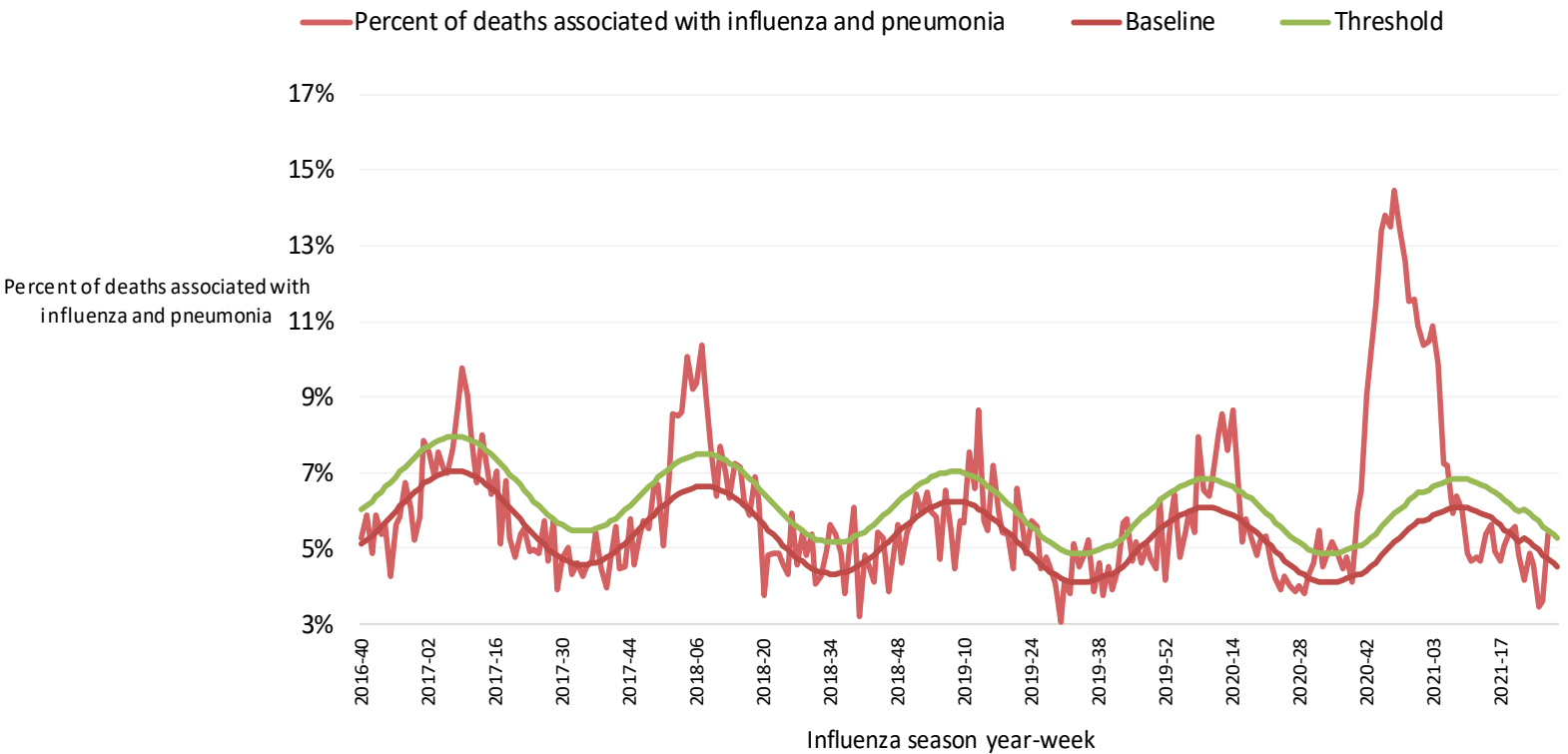
For National US influenza surveillance statistics visit: [www.cdc.gov/flu/weekly/](http://www.cdc.gov/flu/weekly/)



# INFLUENZA AND PNEUMONIA-ASSOCIATED MORTALITY

## Influenza and Pneumonia Deaths, Wisconsin

Influenza- and pneumonia-associated deaths by influenza season year and week, Wisconsin



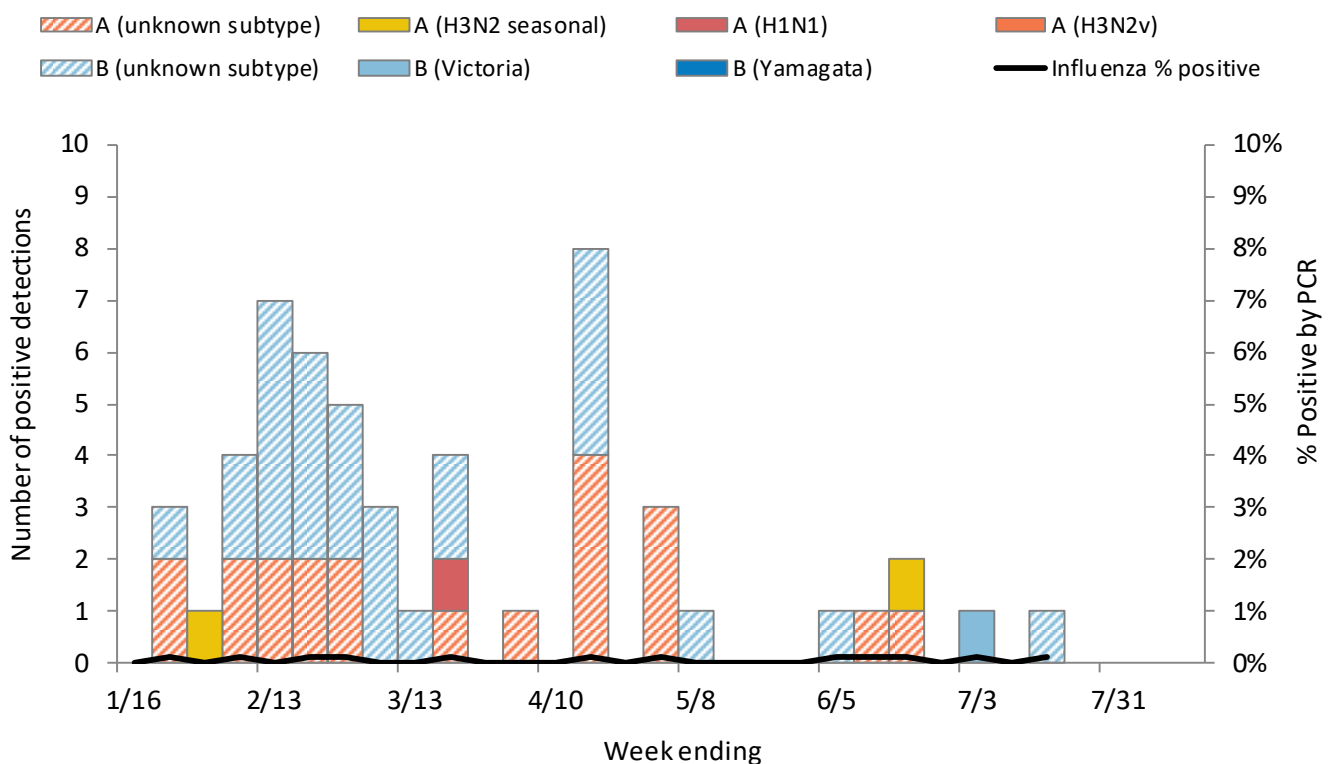
Influenza- and pneumonia-associated deaths by most recent influenza season week, Wisconsin, 2020-2021 season

Influenza season week	Influenza-associated deaths (I)	Pneumonia-associated deaths (P)	Percent I+P of all deaths	Baseline I+P of all deaths	Threshold I+P of all deaths
26	0	46	3.6%	4.8%	5.6%
27	0	52	4.1%	4.7%	5.5%
28 Preliminary Data	0	47	6.4%	4.6%	5.4%
Seasonal total	0	4343	8.4%	NA	NA

Data source: [DPH, Office of Health Informatics](#)

# WISCONSIN LABORATORY SURVEILLANCE FOR RESPIRATORY VIRUSES BY PCR

## Wisconsin positive influenza results and subtypes by PCR



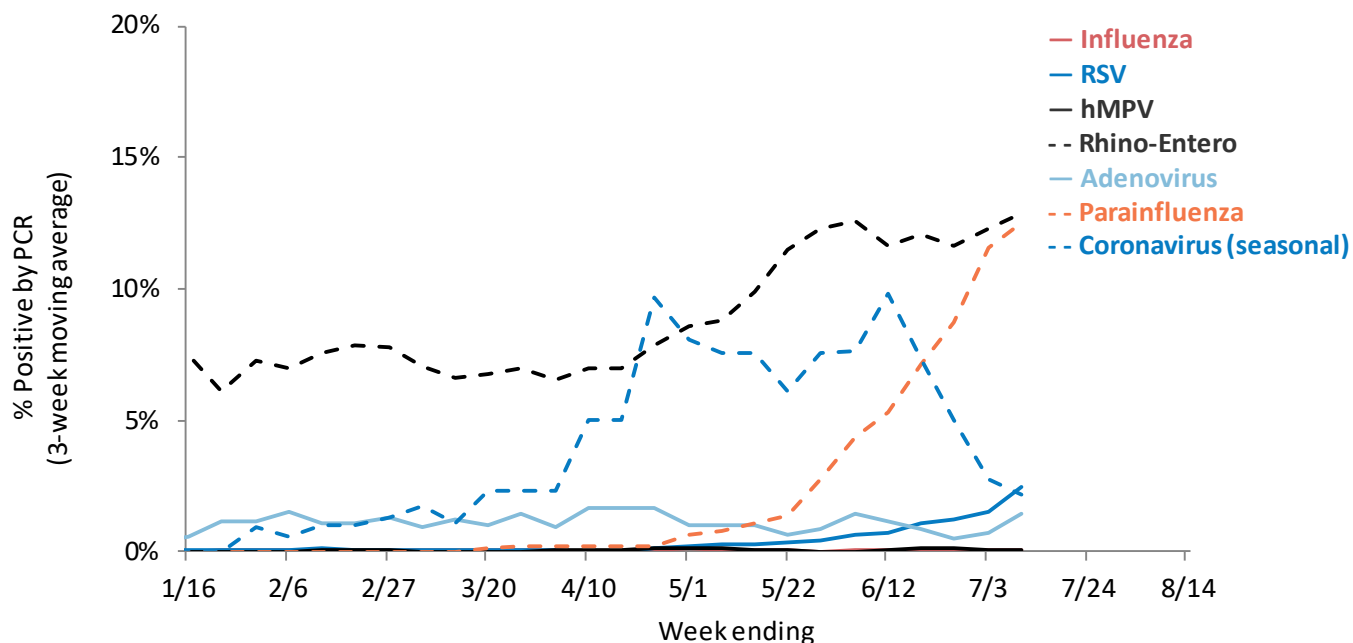
## Cumulative number of positive influenza PCR tests by subtype

October 1, 2020 to present

	A (2009 H1N1)	Influenza A: A (H3N2)	Influenza A: A (Unknown) 40%	Influenza B: B (Victoria)	Influenza B: B (Yamagata)	Influenza B: B (Unknown) 60%	Total
Total positive (n)	2	3	30	0	0	53	88
% of total positive	2%	3%	34%	0%	0%	60%	100%

# WISCONSIN LABORATORY SURVEILLANCE FOR RESPIRATORY VIRUSES BY PCR

## Trends in respiratory virus activity by PCR



### Week 28: Ending on July 17, 2021

Respiratory virus	Tested	Positive (n)	Positive (%)	Influenza A			Influenza B		
				H3N2	2009	Unknown	Victoria	Yamagata	Unknown
Influenza	1703	1	0.1%	0	0	0	0	0	1

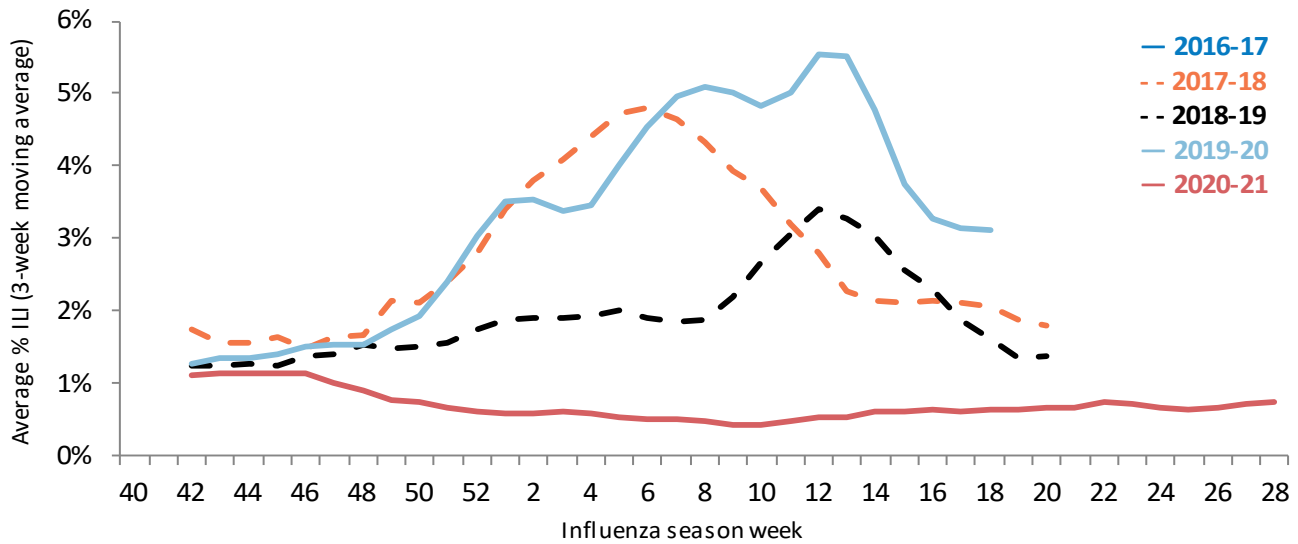
Respiratory virus	Tested	Positive (n)	Positive (%)	Parainfluenza 1	Parainfluenza 2	Parainfluenza 3	Parainfluenza 4
Parainfluenza	832	118	14.2	0	3	115	0

Respiratory virus	Tested	Positive (n)	Positive (%)	CoV 229E	CoV OC43	CoV NL63	CoV HKU1
Coronavirus (seasonal)	164	4	2.4%	0	3	1	0

Respiratory virus	Tested	Positive (n)	Positive (%)
RSV	1346	55	4.0%
Human metapneumovirus	843	1	0.1%
Rhino-enterovirus	807	116	14.2%
Adenovirus	164	1	0.6%

# WISCONSIN STATE SUMMARY

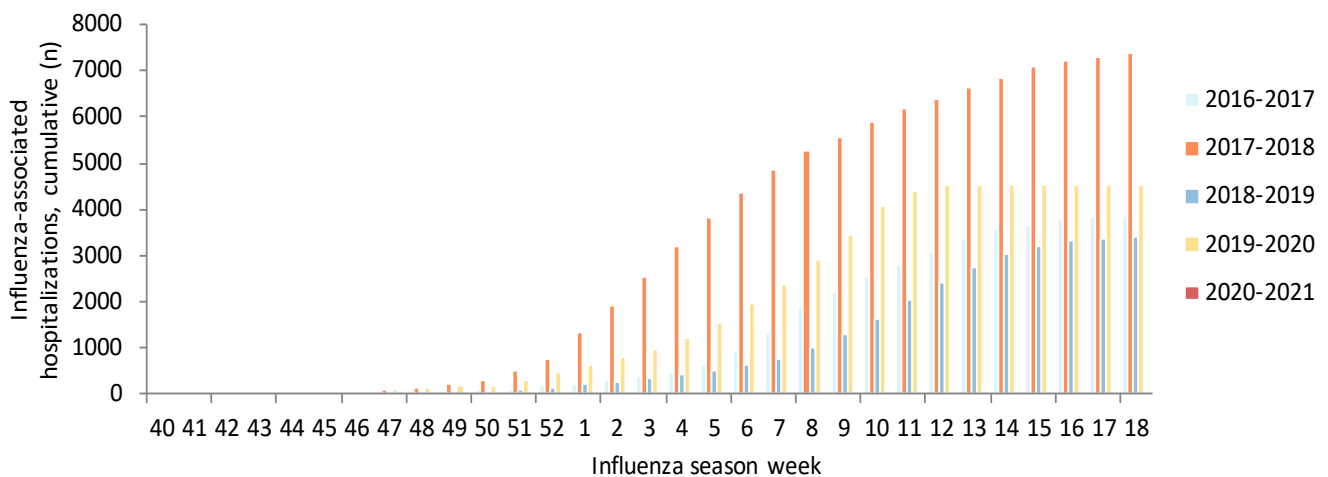
## ILI activity trend analysis by influenza season, Wisconsin



## Influenza-associated hospitalizations, Wisconsin Electronic Disease Surveillance System October 1, 2020 to present

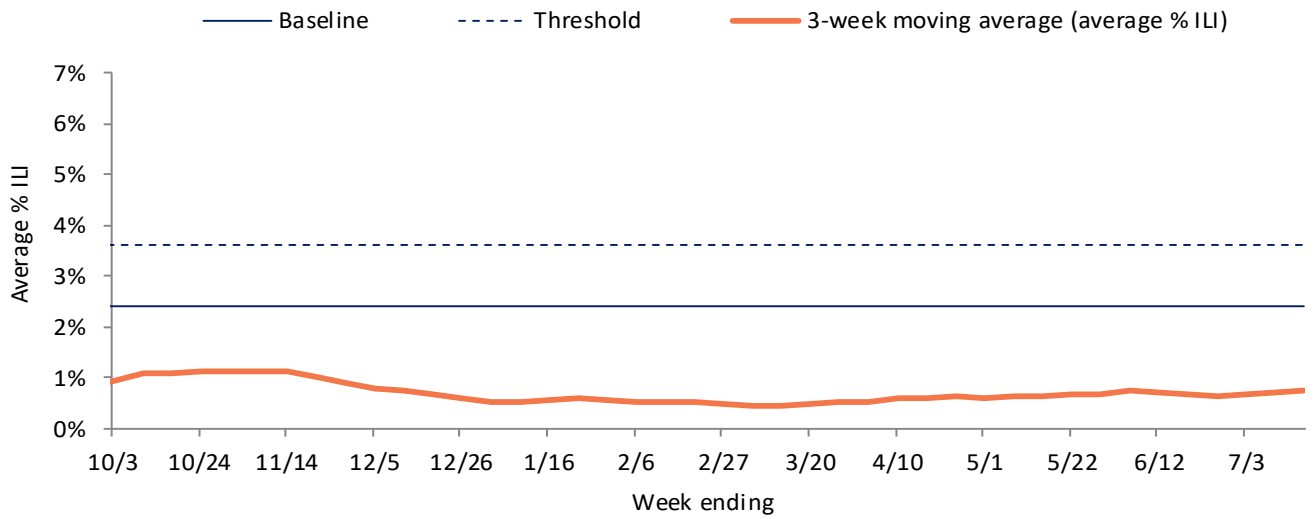
Age group (years)	Total reported (n)	Influenza subtype					Admitted to ICU	Required mechanical ventilation	Pregnant	Postpartum (≤6 weeks)
		A (2009 H1N1)	A (H3N2)	A (Unknown)	B	Not reported				
<1	0	0	0	0	0	0	0	0		
1-4	0	0	0	0	0	0	0	0		
5-17	0	0	0	0	0	0	0	0		
18-49	2	0	0	0	2	0	0	0	0	0
50-64	3	0	0	1	2	0	0	0		
65+	12	0	0	1	11	0	1	0		
<b>Total</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>15</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Reported cumulative influenza-associated hospitalizations by influenza season, Wisconsin

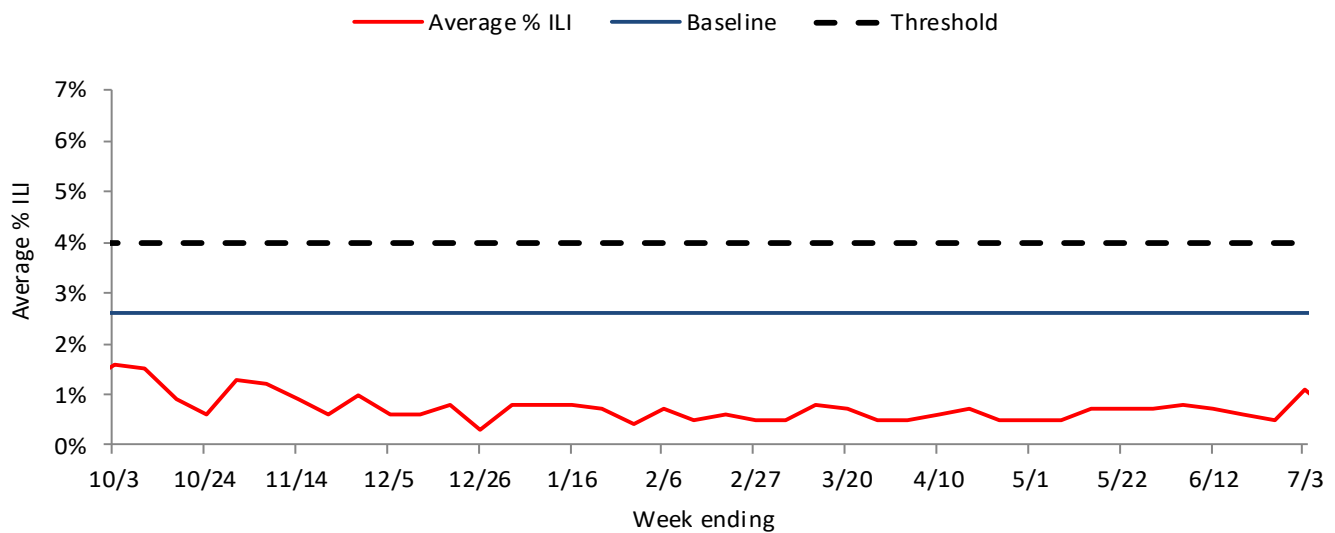


# ILI ACTIVITY TREND ANALYSIS

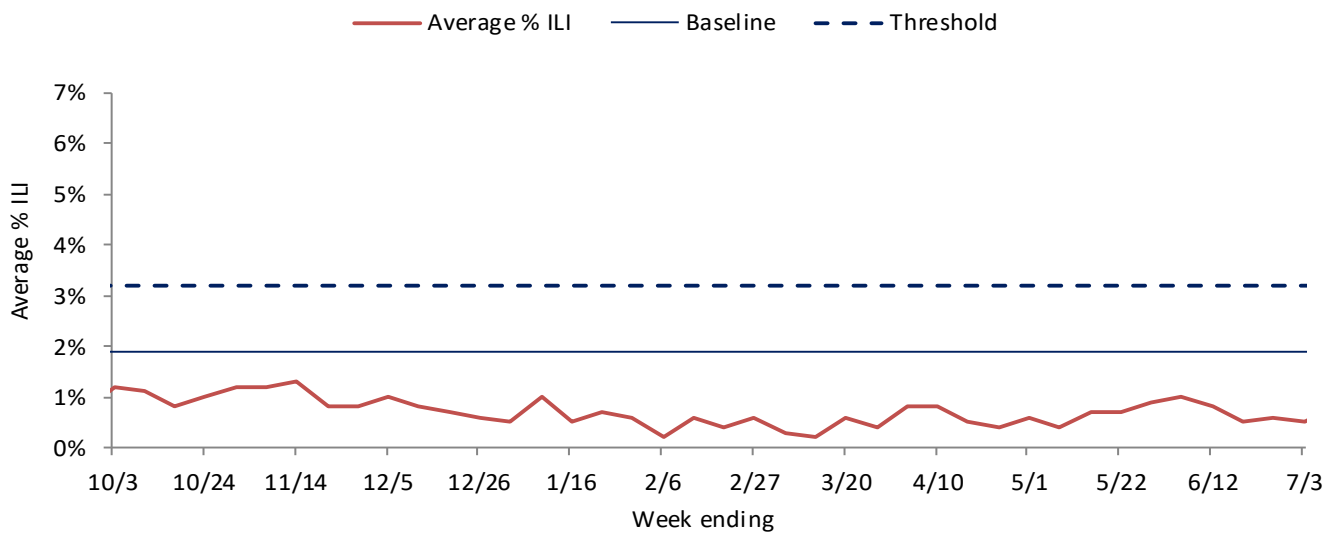
## Wisconsin



## Northeastern Region

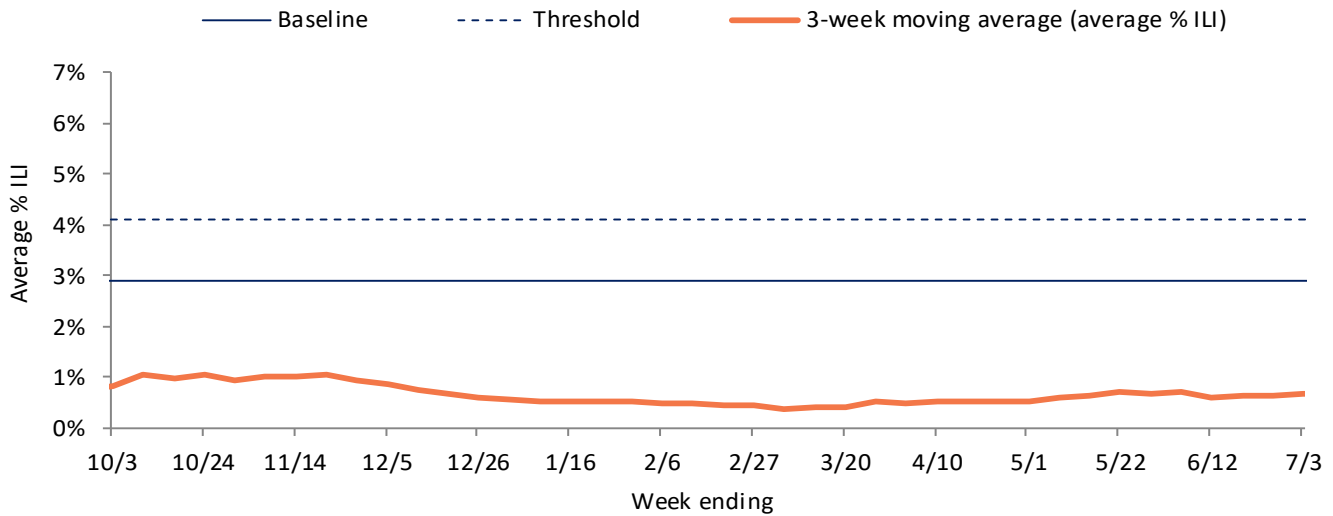


## Northern Region

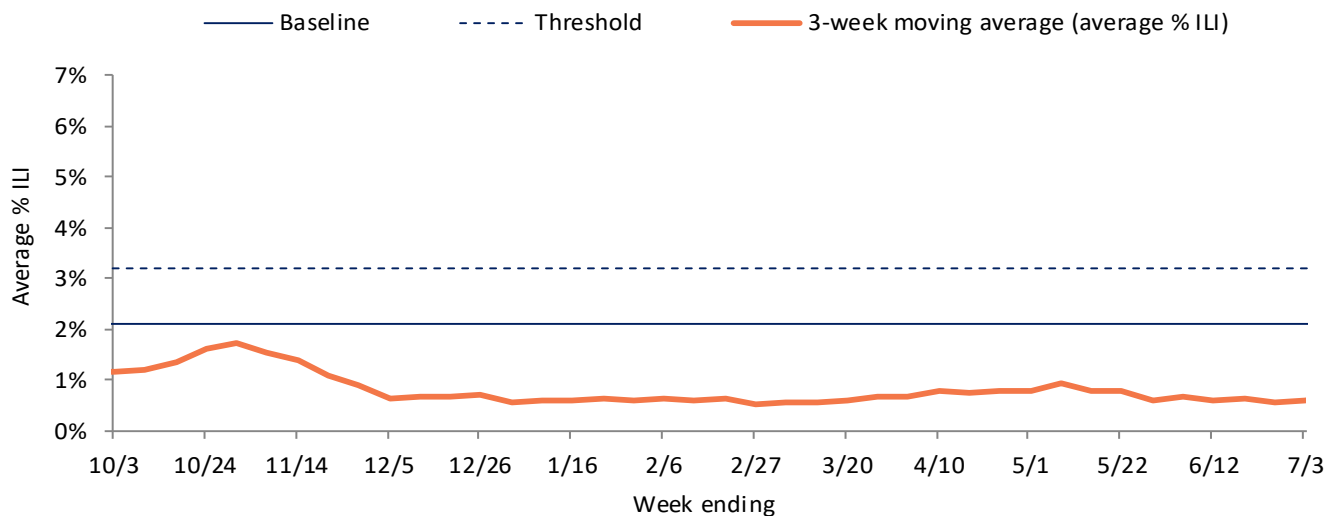


# ILI ACTIVITY TREND ANALYSIS

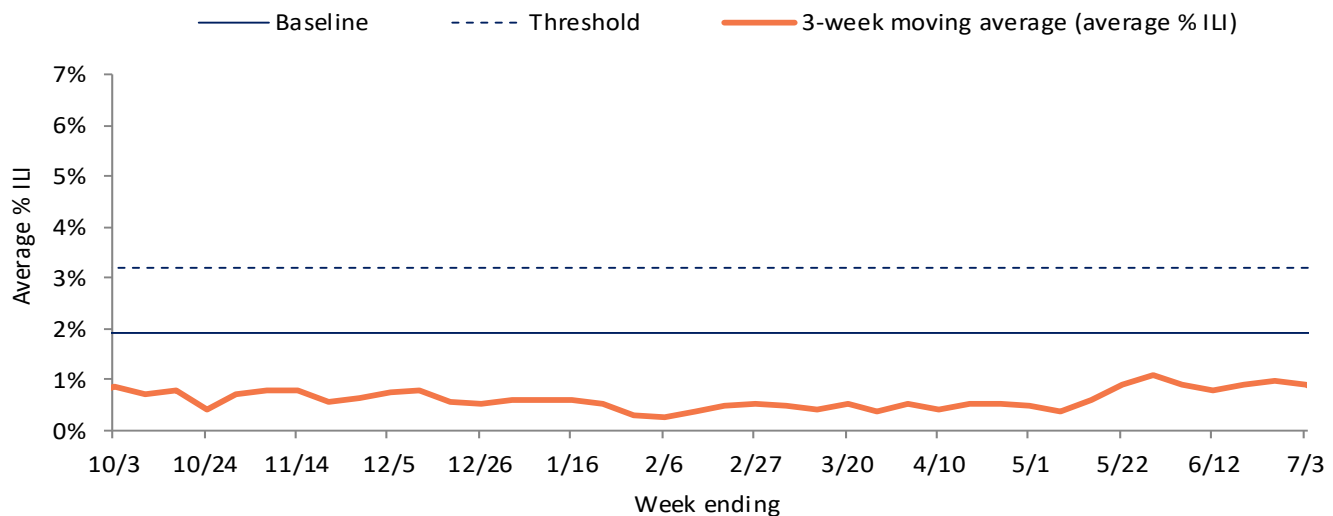
## Southeastern Region



## Southern Region



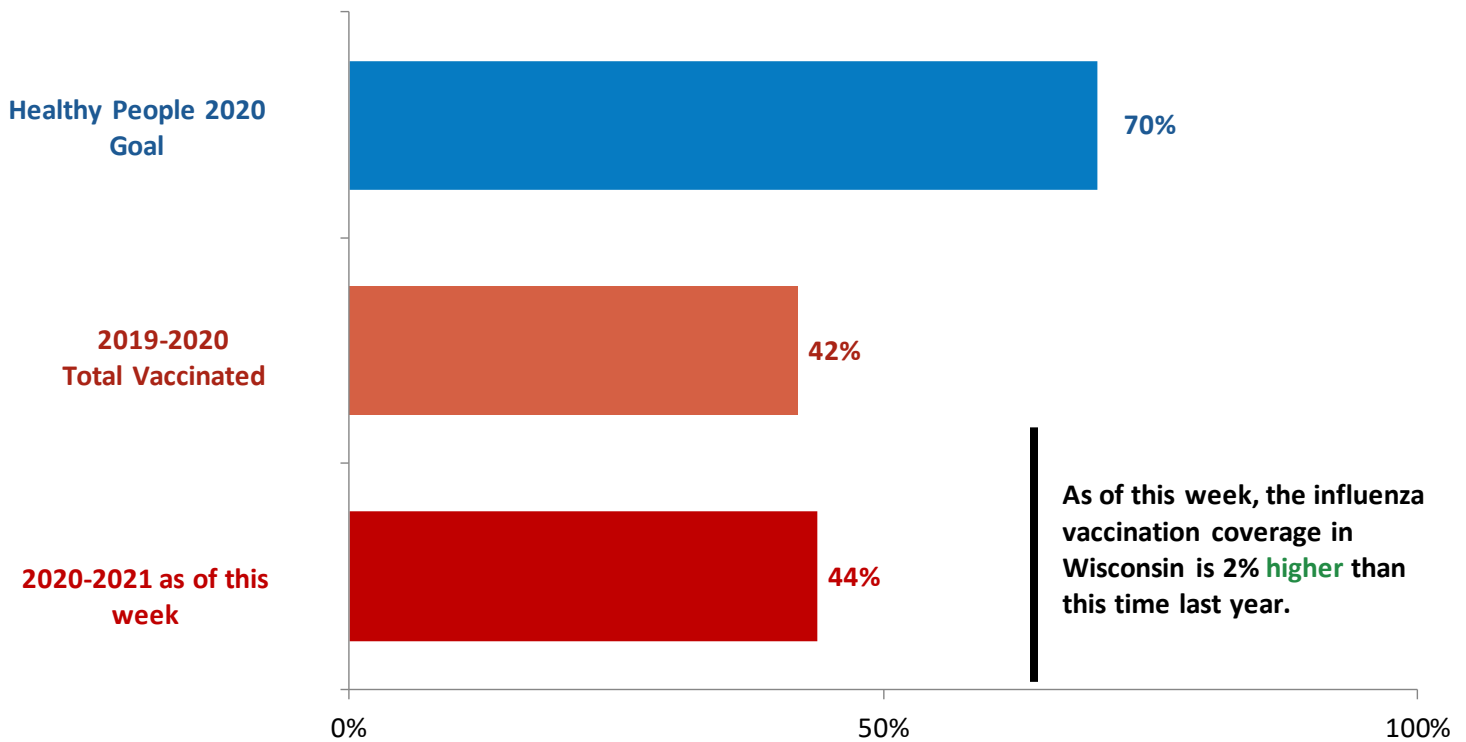
## Western Region





# SEASONAL INFLUENZA VACCINATION

Cumulative percentage of Wisconsin residents who received 1 or more doses of influenza vaccine, 2020-2021 influenza season



Data source: All influenza vaccination rates presented were calculated using data from the Wisconsin Immunization Registry (numerator) and Wisconsin population estimates (denominator).

## Influenza vaccine composition 2020-2021:

**Trivalent (three-component) egg-based vaccines** are recommended to contain:

- A/Guangdong-Maonan/SWL1536/2019 (H1N1)pdm09-like virus (updated)
- A/Hong Kong/2671/2019 (H3N2)-like virus (updated)
- B/Washington/02/2019 (B/Victoria lineage)-like virus (updated)

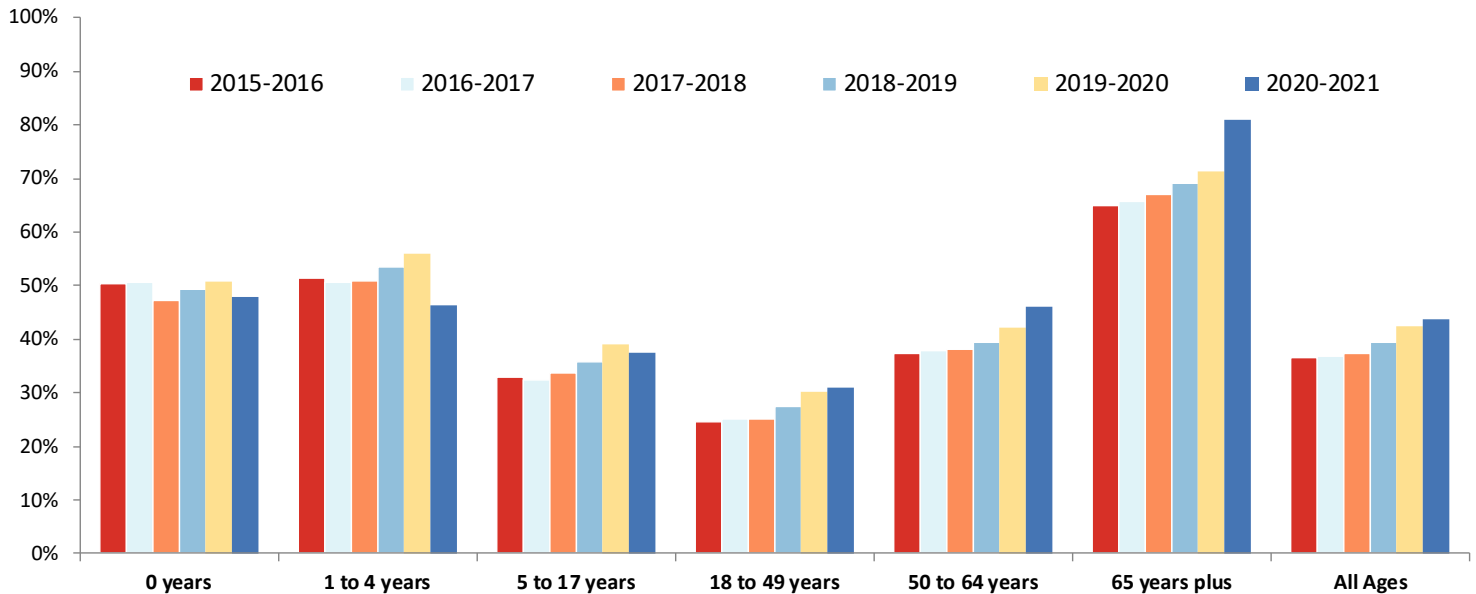
**Quadrivalent (four-component) egg-based vaccines**, which protect against a second lineage of B viruses, are recommended to contain: the three recommended viruses above, plus B/Phuket/3073/2013-like (Yamagata lineage) virus.

**Cell- or recombinant-based vaccines** are recommended to contain:

- A/Hawaii/70/2019 (H1N1)pdm09-like virus (updated)
- A/Hong Kong/45/2019 (H3N2)-like virus (updated)
- B/Washington/02/2019 (B/Victoria lineage)-like virus (updated)
- B/Phuket/3073/2013-like (Yamagata lineage) virus

# SEASONAL INFLUENZA VACCINATION

Percentage of Wisconsin residents who received one or more doses of influenza



Each season includes doses administered during the same time period (August 1 through May 3).

## Percentage of Wisconsin residents who received one or more doses of influenza vaccine, by race and ethnicity and region, 2020-2021 influenza season

