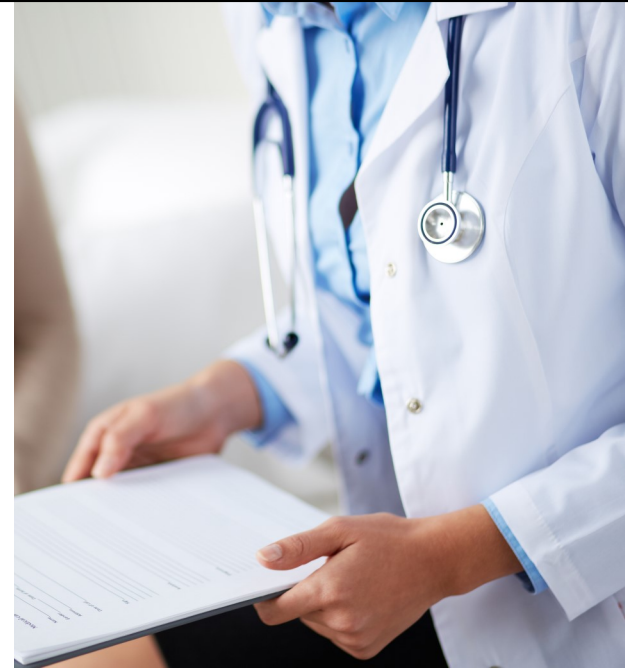




WISCONSIN DEPARTMENT  
*of* HEALTH SERVICES



# RESPIRATORY VIRUS SURVEILLANCE REPORT

Week 9, Ending March 5, 2022

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

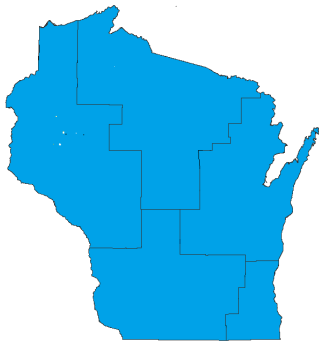
[www.dhs.wisconsin.gov/dph/bcd.htm](http://www.dhs.wisconsin.gov/dph/bcd.htm) | [dhsdphbcd@dhs.wi.gov](mailto:dhsdphbcd@dhs.wi.gov)





# INFLUENZA LIKE ILLNESS (ILI) ACTIVITY

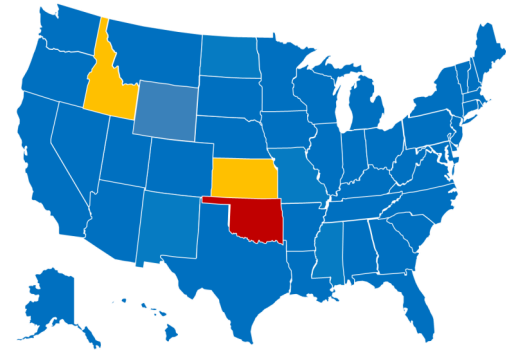
## STATE OF WISCONSIN



## 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 Human Metapneumovirus are the predominant viruses this week.

### Current Alerts:

Influenza activity is increasing in Wisconsin and nationwide. Two influenza-associated pediatric deaths were reported this week.

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:

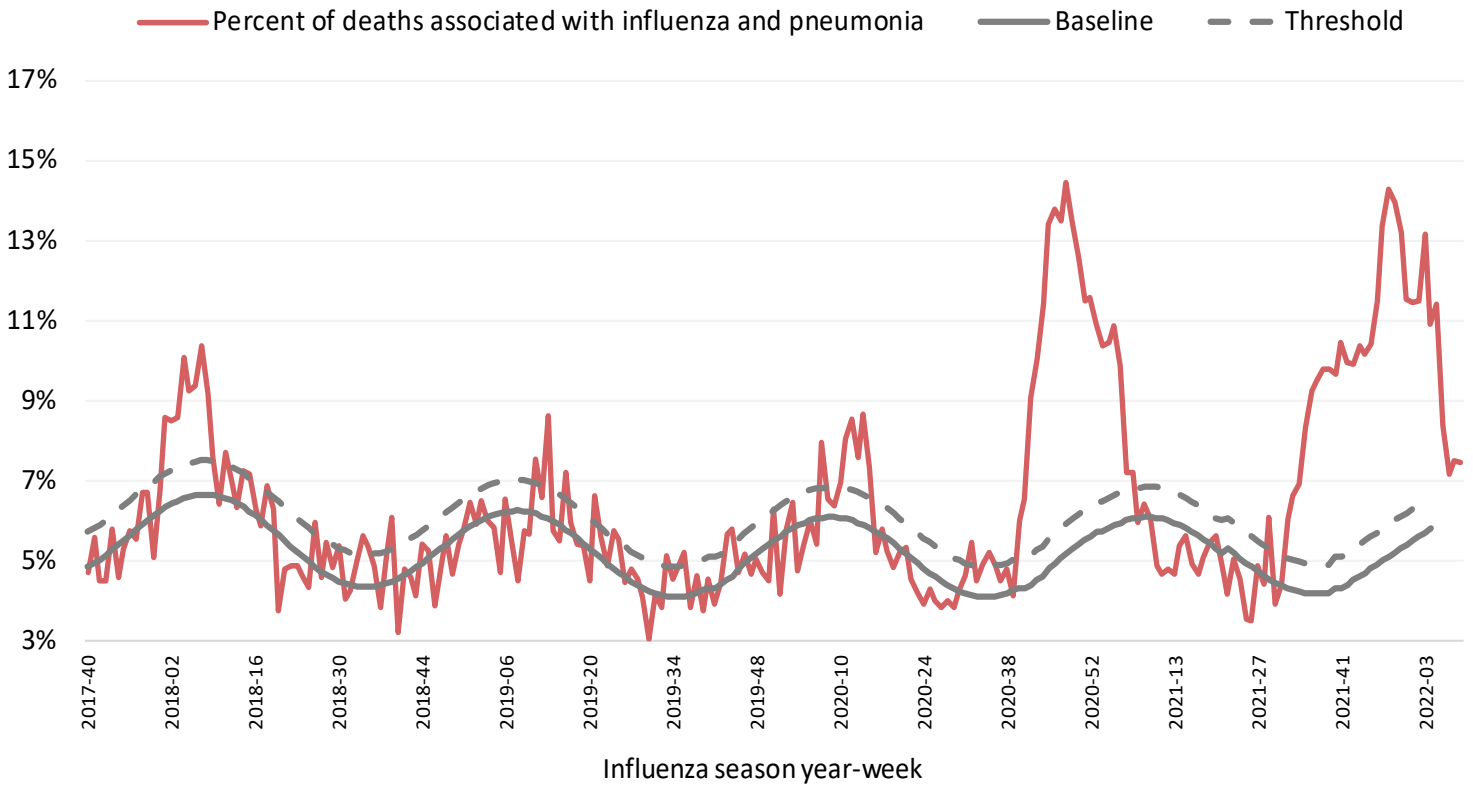
	Week 9, 2022	October 1, 2021 to present
<b>Wisconsin</b>	2	2
<b>Nationwide</b>	2	10

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**



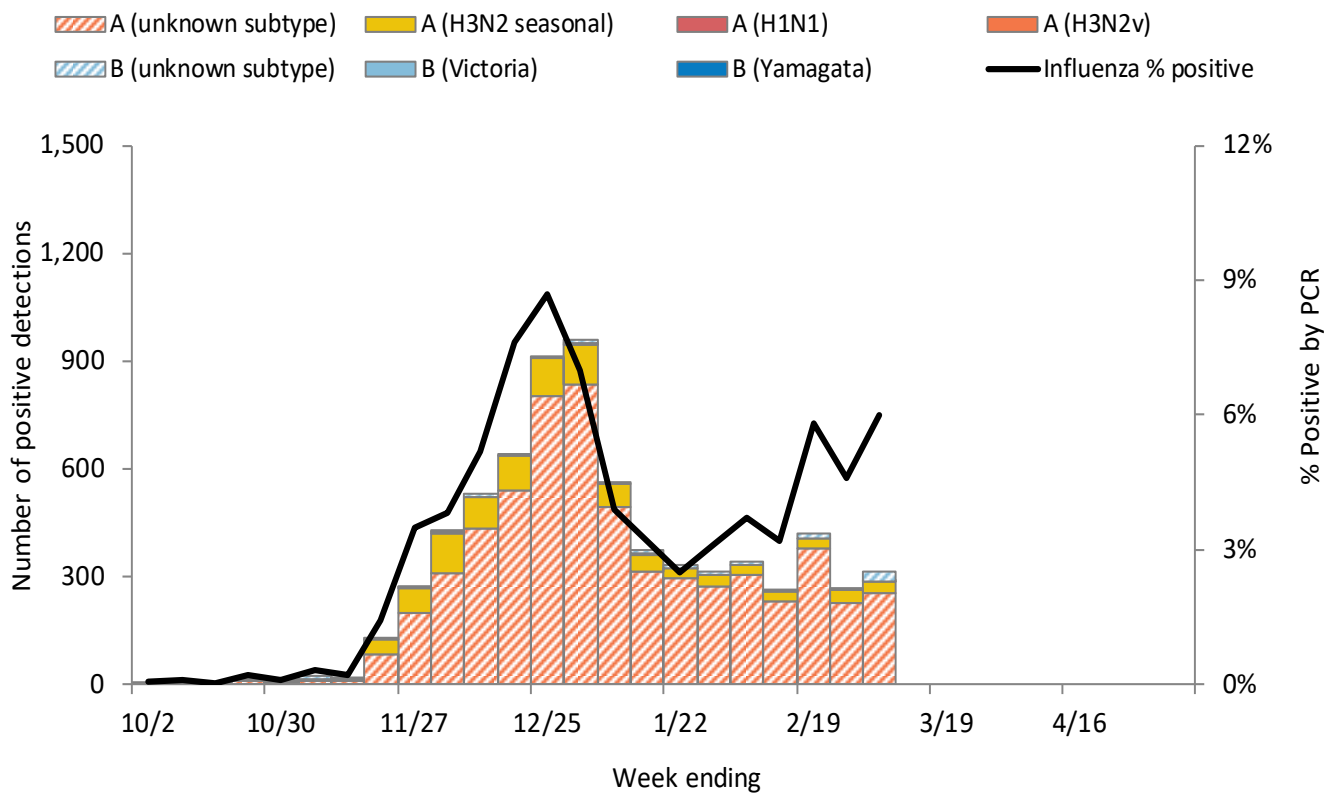
**Influenza- and pneumonia-associated deaths by most recent 3 week period.**

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
7	4	90	7.2%	6.0%	6.8%
8	0	84	7.5%	6.1%	6.9%
9 Preliminary Data	1	66	7.4%	6.1%	6.9%

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

# WISCONSIN LABORATORY SURVEILLANCE FOR RESPIRATORY VIRUSES BY PCR

## Wisconsin positive influenza results and subtypes by PCR



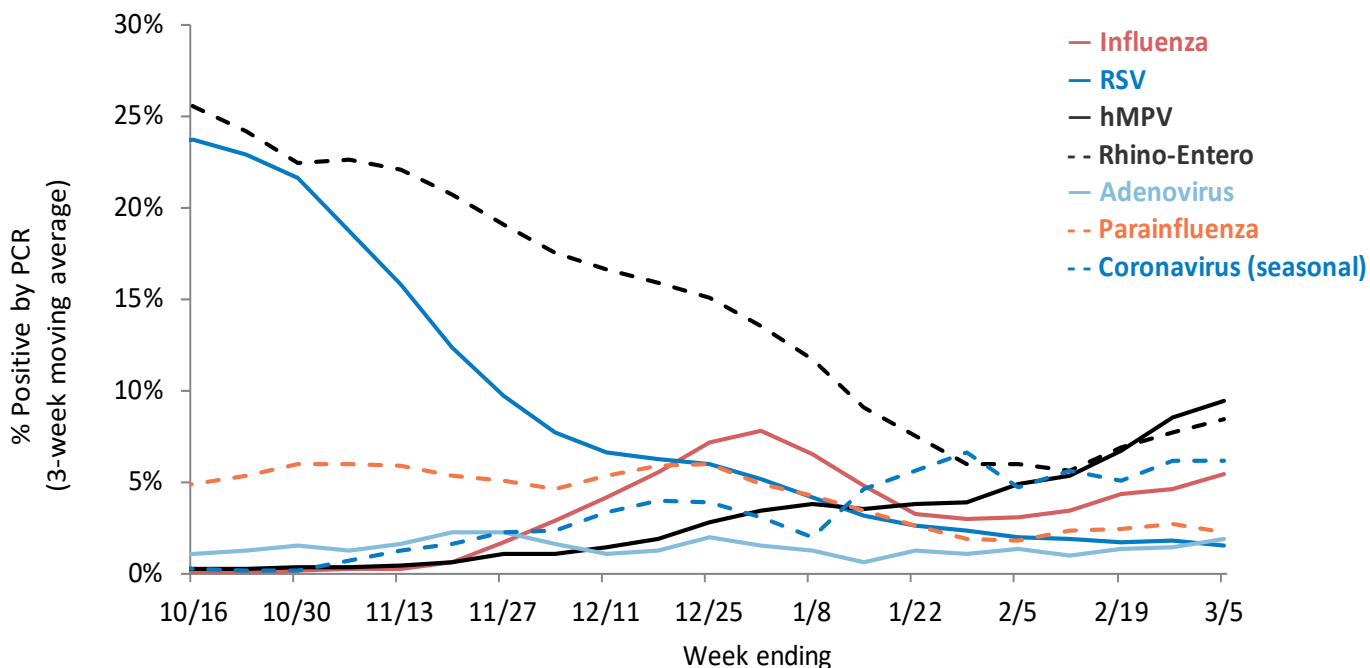
## Cumulative number of positive influenza PCR tests by subtype

October 9, 2021 to present

	A (2009 H1N1)	Influenza A: A (H3N2)	Influenza A: 98% A (Unknown)	Influenza B: B (Victoria)	Influenza B: B (Yamagata)	Influenza B: 2% B (Unknown)	Total
Total positive (n)	16	951	5,994	1	0	156	7,118
% of total positive	0%	13%	84%	0%	0%	2%	100%

# WISCONSIN LABORATORY SURVEILLANCE FOR RESPIRATORY VIRUSES BY PCR

## Trends in respiratory virus activity by PCR

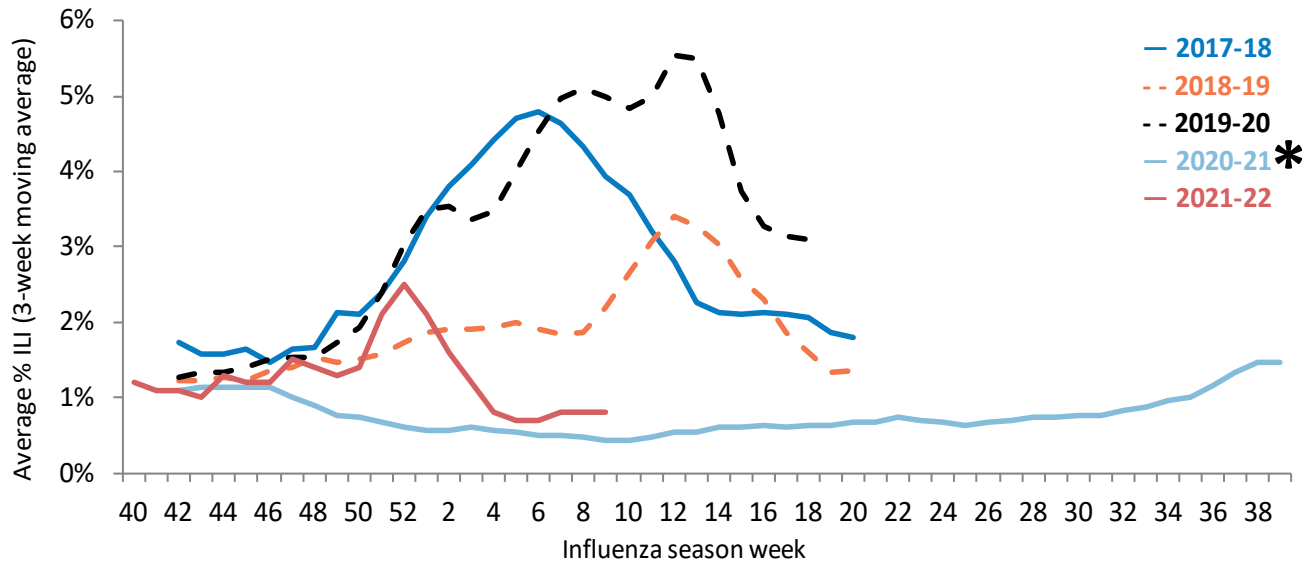


### Week 9, Ending on March 5, 2022

Respiratory virus	Tested	Positive (n)	Positive (%)	Influenza A			Influenza B		
				H3N2	2009 H1N1	Unknown	Victoria	Yamagata	Unknown
Influenza	5206	311	6.0%	29	2	255	0	0	25
Respiratory virus	Tested	Positive (n)	Positive (%)	Parainfluenza 1	Parainfluenza 2	Parainfluenza 3	Parainfluenza 4		
Parainfluenza	512	9	1.8%	0	2	6	1		
Respiratory virus	Tested	Positive (n)	Positive (%)	CoV 229E	CoV OC43	CoV NL63	CoV HKU1		
Coronavirus (seasonal)	196	14	7.1%	2	11	0	1		
Respiratory virus	Tested		Positive (n)		Positive (%)				
RSV	2140		32		1.5%				
Human metapneumovirus	524		47		9.0%				
Rhino-enterovirus	485		38		7.8%				
Adenovirus	225		6		2.7%				

# WISCONSIN STATE SUMMARY

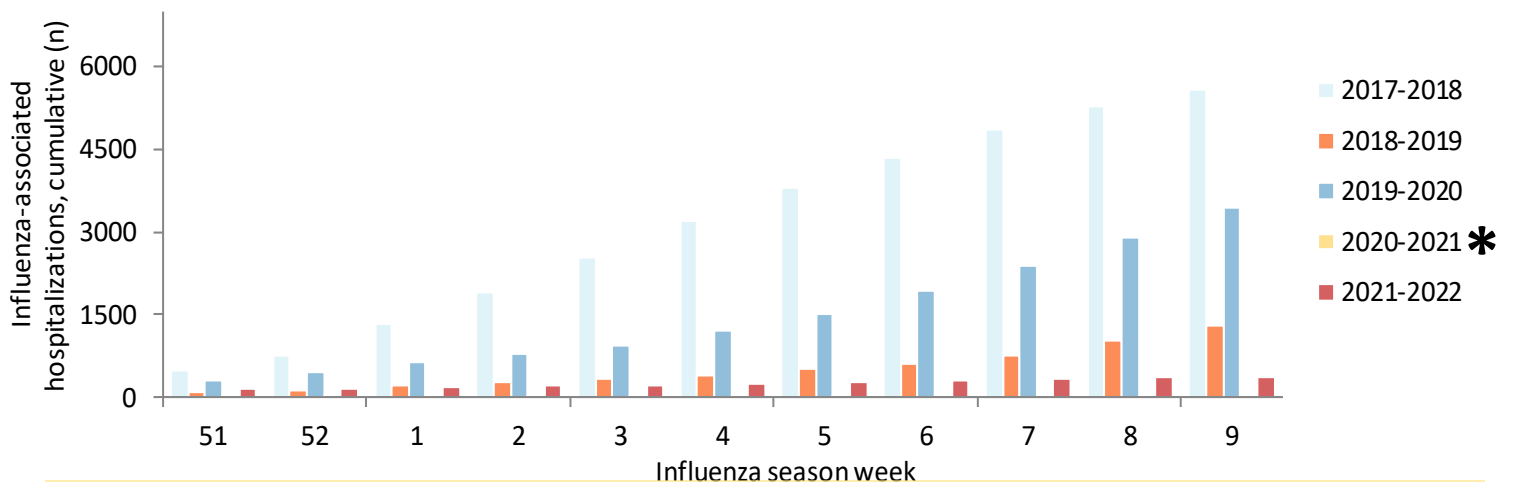
## ILI activity trend analysis by influenza season, Wisconsin



## Influenza-associated hospitalizations, Wisconsin Electronic Disease Surveillance System October 1, 2021 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	6	0	0	6	0	0	0	0		
1-4	13	1	0	11	1	0	4	0		
5-17	17	1	0	16	0	0	4	2		
18-49	67	0	6	60	1	0	7	0	8	0
50-64	50	0	1	47	2	0	5	1		
65+	198	1	10	174	13	0	11	3		
<b>Total</b>	<b>351</b>	<b>3</b>	<b>17</b>	<b>314</b>	<b>17</b>	<b>0</b>	<b>31</b>	<b>6</b>	<b>8</b>	<b>0</b>

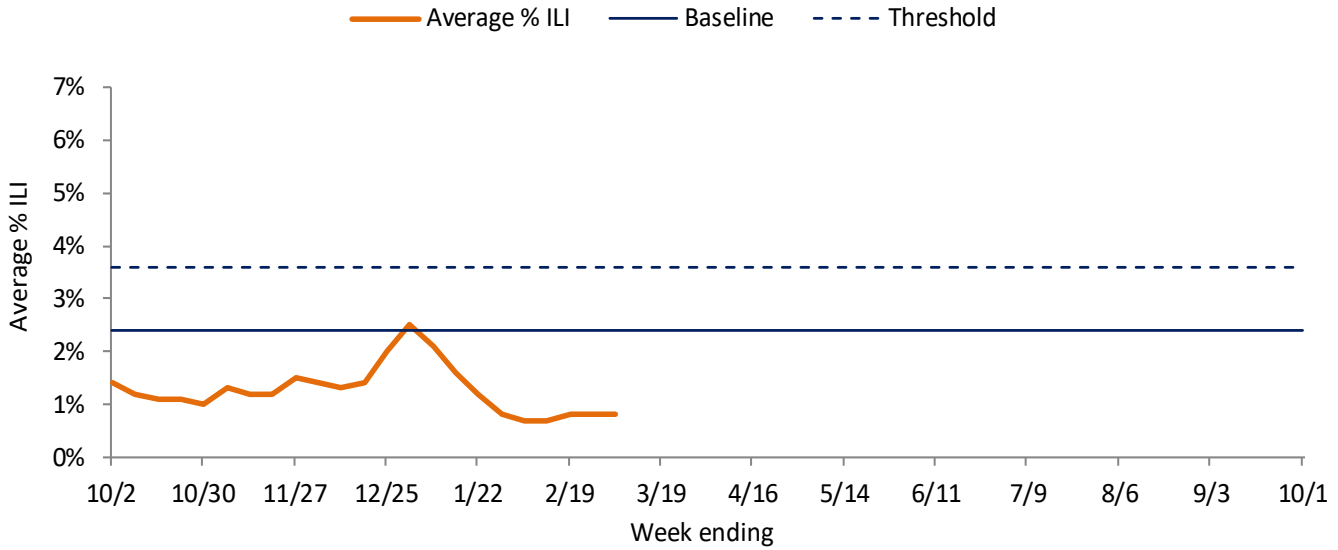
## Reported cumulative influenza-associated hospitalizations by influenza season, Wisconsin



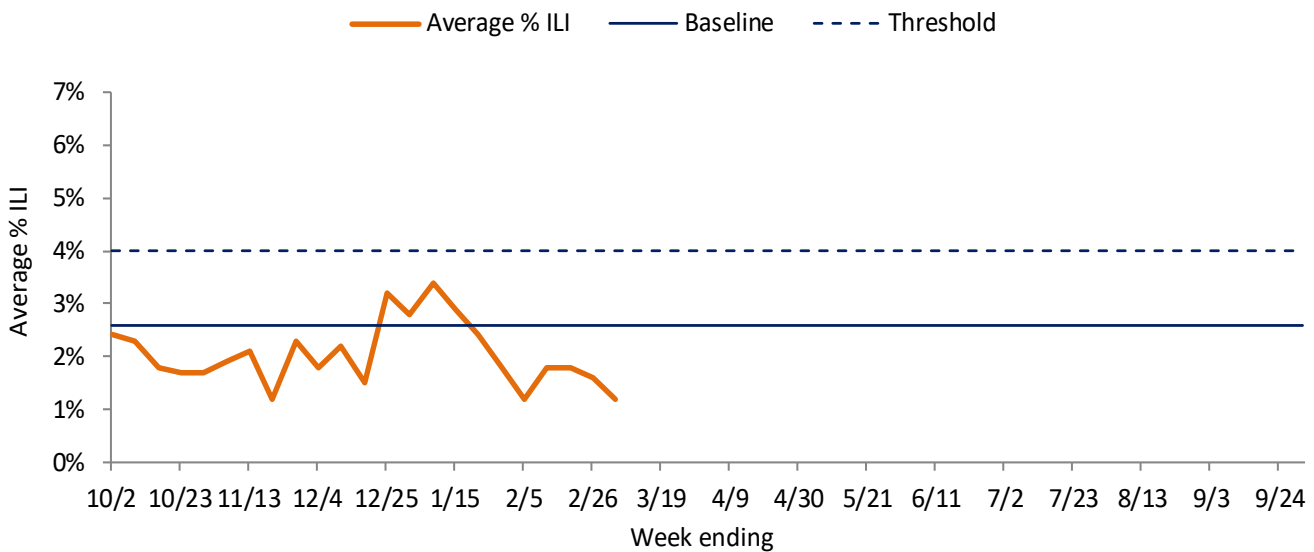
\* The 2020 - 2021 influenza season was unusually low due much in part to the ongoing COVID-19 pandemic. As such, numbers for that season are substantially different than previous seasons and should be considered an anomaly.

# ILI ACTIVITY TREND ANALYSIS

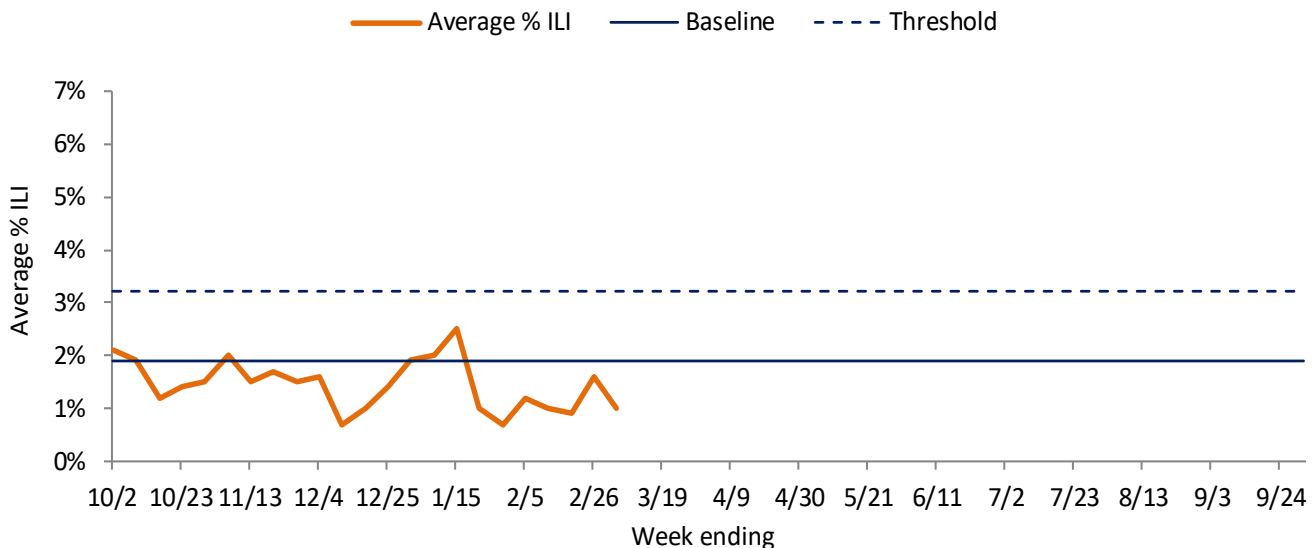
## Wisconsin



## Northeastern Region

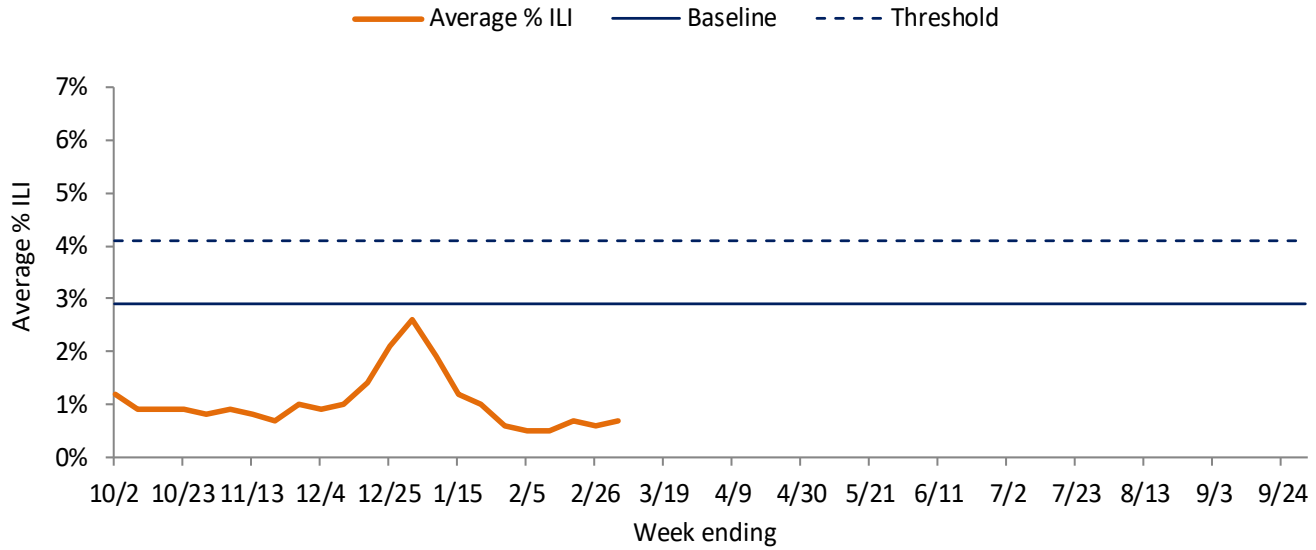


## Northern Region

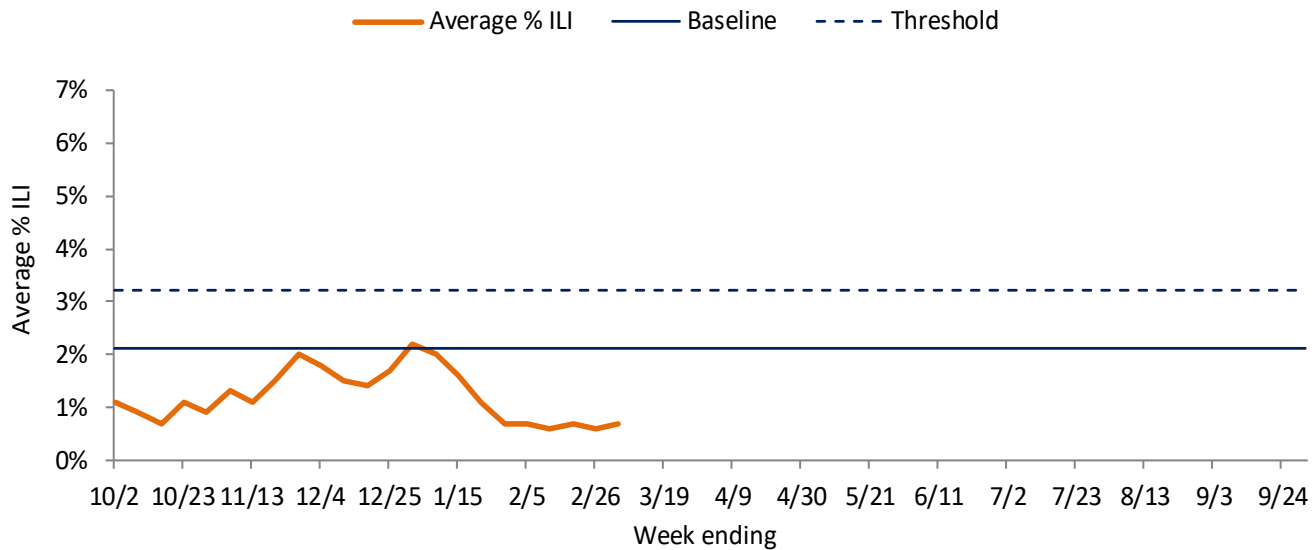


# ILI ACTIVITY TREND ANALYSIS

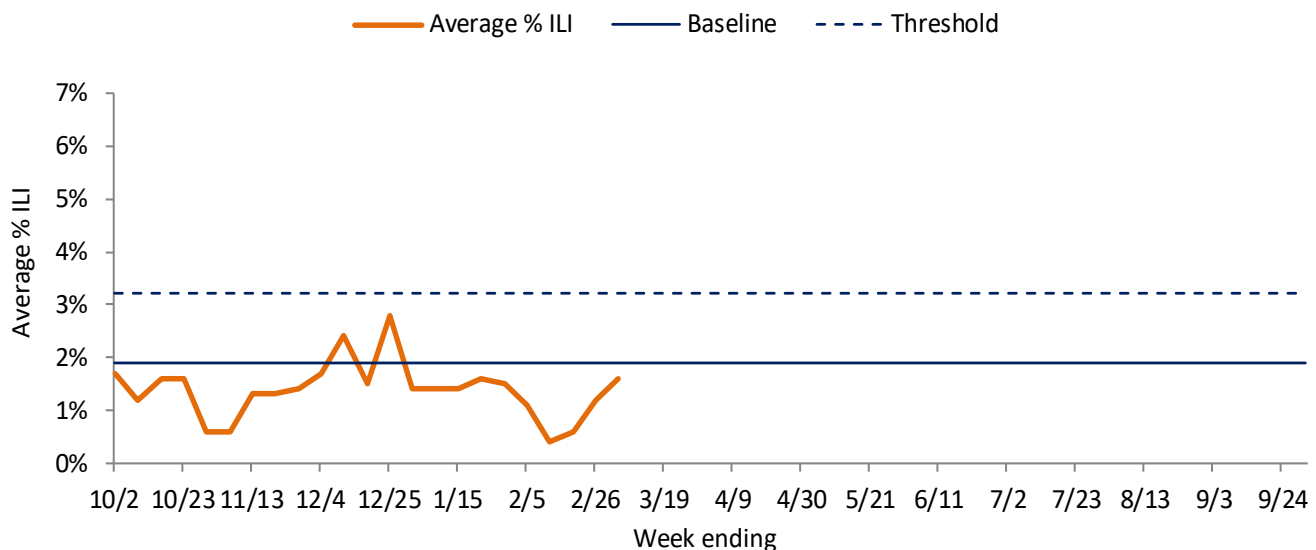
## Southeastern Region



## Southern Region



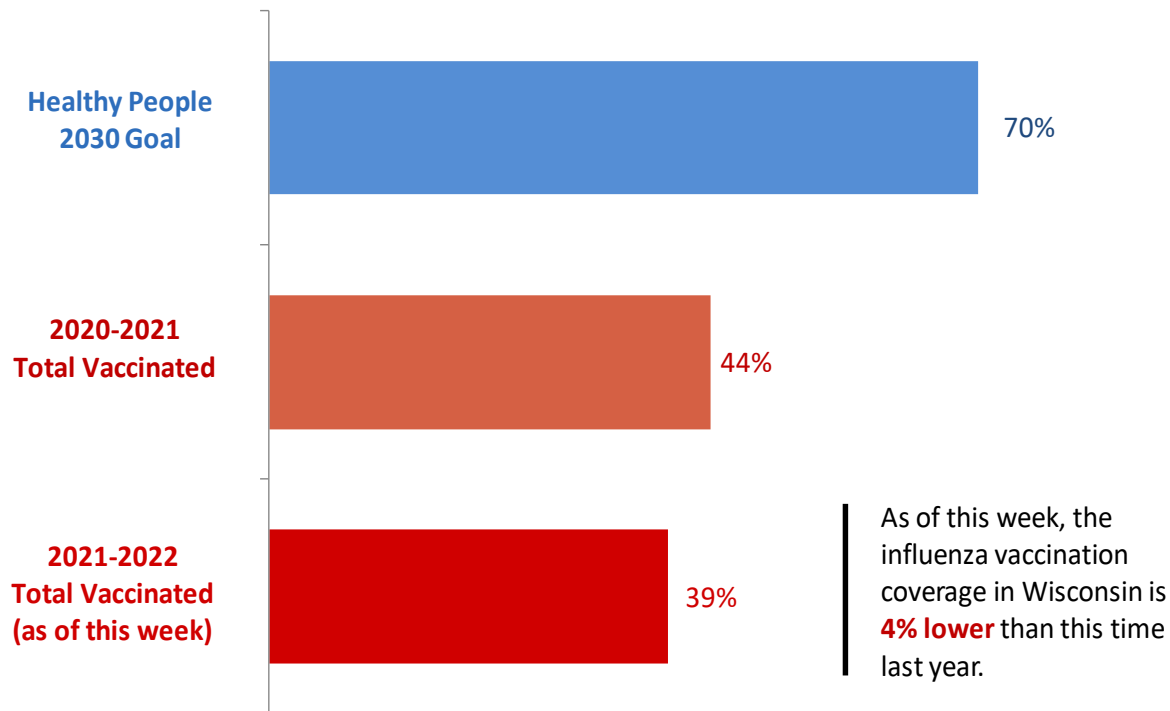
## Western Region





# SEASONAL INFLUENZA VACCINATION

Cumulative percentage of Wisconsin residents who received 1 or more doses of influenza vaccine, 2021-2022 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 2021-2022:

**Egg-based vaccines** are recommended to contain:

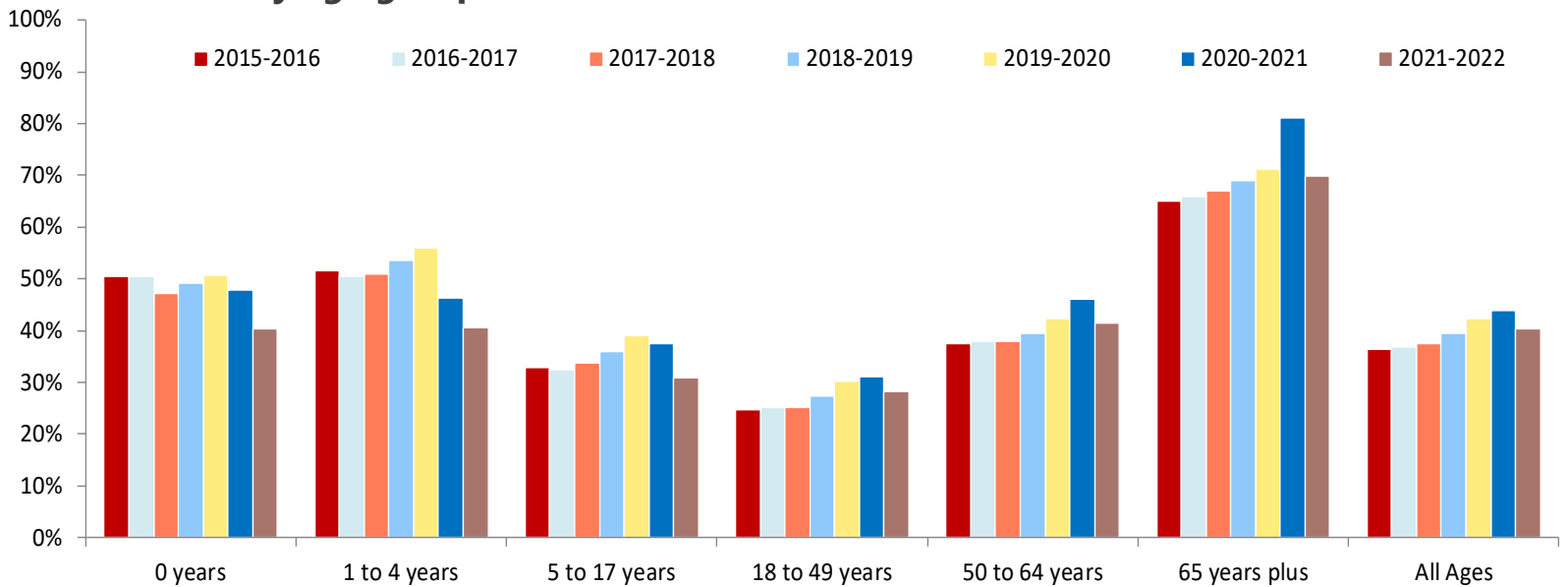
- A/Victoria/2570/2019 (H1N1) pdm09-like virus
- A/Cambodia/e0826360/2020 (H3N2)-like virus
- B/Washington/02/2019- like virus (B/Victoria lineage)
- B/Phuket/3073/2013-like virus (B/Yamagata lineage)

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

- A/Wisconsin/588/2019 (H1N1) pdm09-like virus
- A/Cambodia/e0826360/2020 (H3N2)-like virus
- B/Washington/02/2019- like virus (B/Victoria lineage)
- B/Phuket/3073/2013-like virus (B/Yamagata lineage)

# SEASONAL INFLUENZA VACCINATION

Percentage of Wisconsin residents who received one or more doses of influenza vaccine, by age group and influenza season



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, 2021-2022 influenza season

