



RESPIRATORY VIRUS SURVEILLANCE REPORT

Week 35, Ending September 4, 2021

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

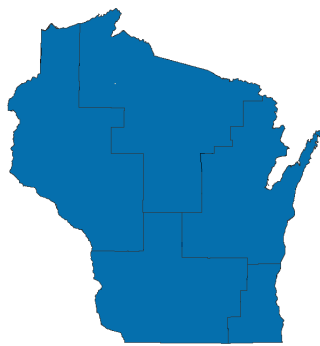
www.dhs.wisconsin.gov/dph/bcd.htm | dhsdphbcd@dhs.wi.gov





INFLUENZA LIKE ILLNESS (ILI) ACTIVITY

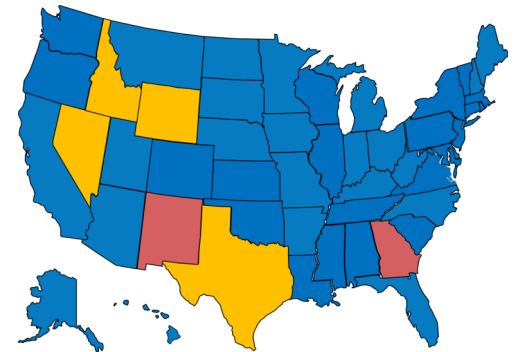
STATE OF WISCONSIN



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:**
RSV and Rhino/enterovirus are the predominant viruses this week.

Current Alerts:

RSV percent positivity increased from 19% to 25% this week. There has been a significant increase in pediatric RSV hospitalizations statewide.

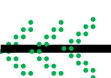
Additional data on SARS-CoV-2 (the virus causing COVID-19) trends in Wisconsin can be found at: <https://www.dhs.wisconsin.gov/covid-19/data.htm>

INFLUENZA-ASSOCIATED PEDIATRIC DEATHS REPORTED:

	Week 35, 2021	October 1, 2020 to present
Wisconsin	0	0
Nationwide	0	1



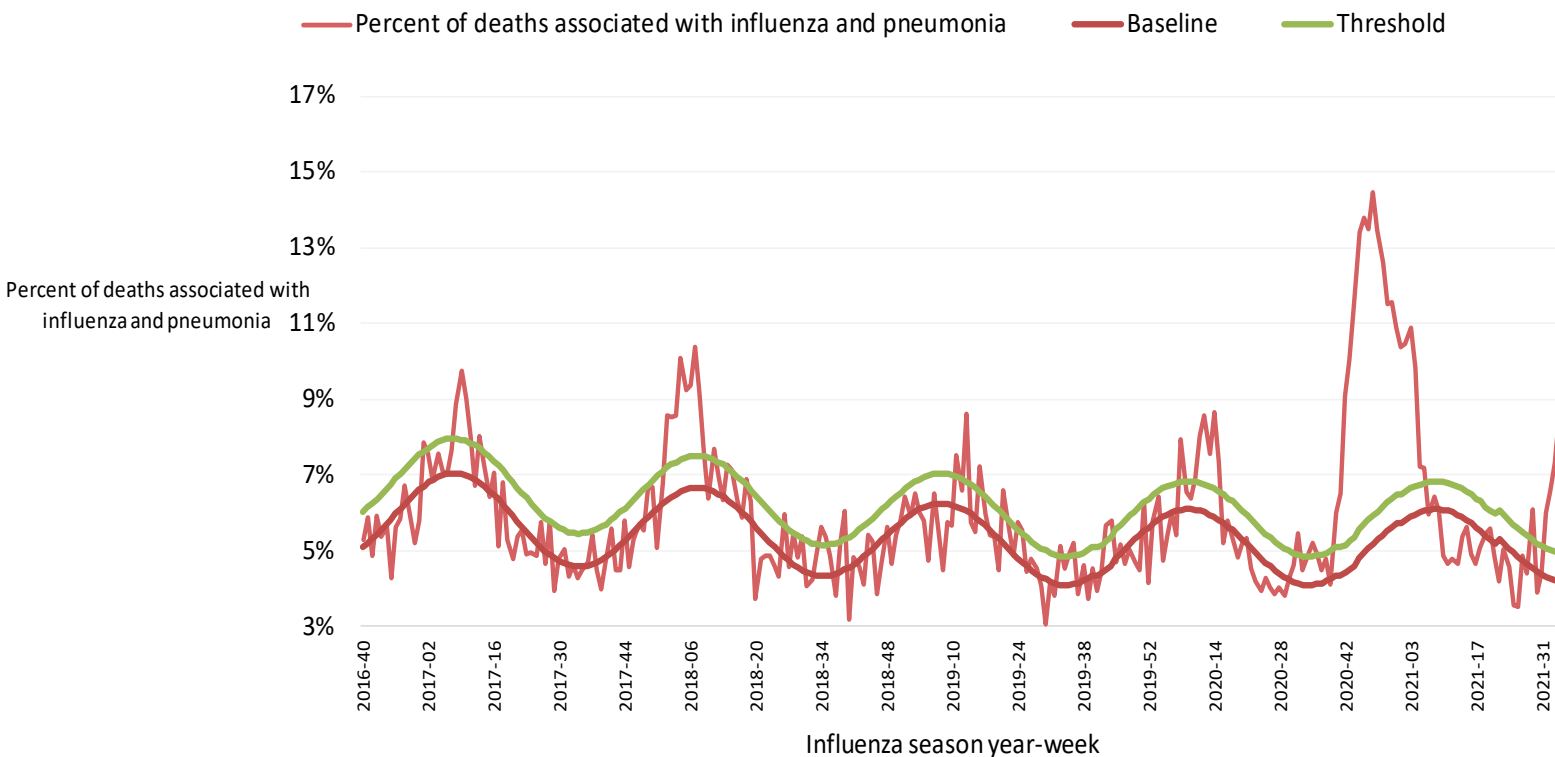
For National US influenza surveillance statistics visit: www.cdc.gov/flu/weekly/



INFLUENZA AND PNEUMONIA-ASSOCIATED MORTALITY

Influenza and Pneumonia Deaths, Wisconsin

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



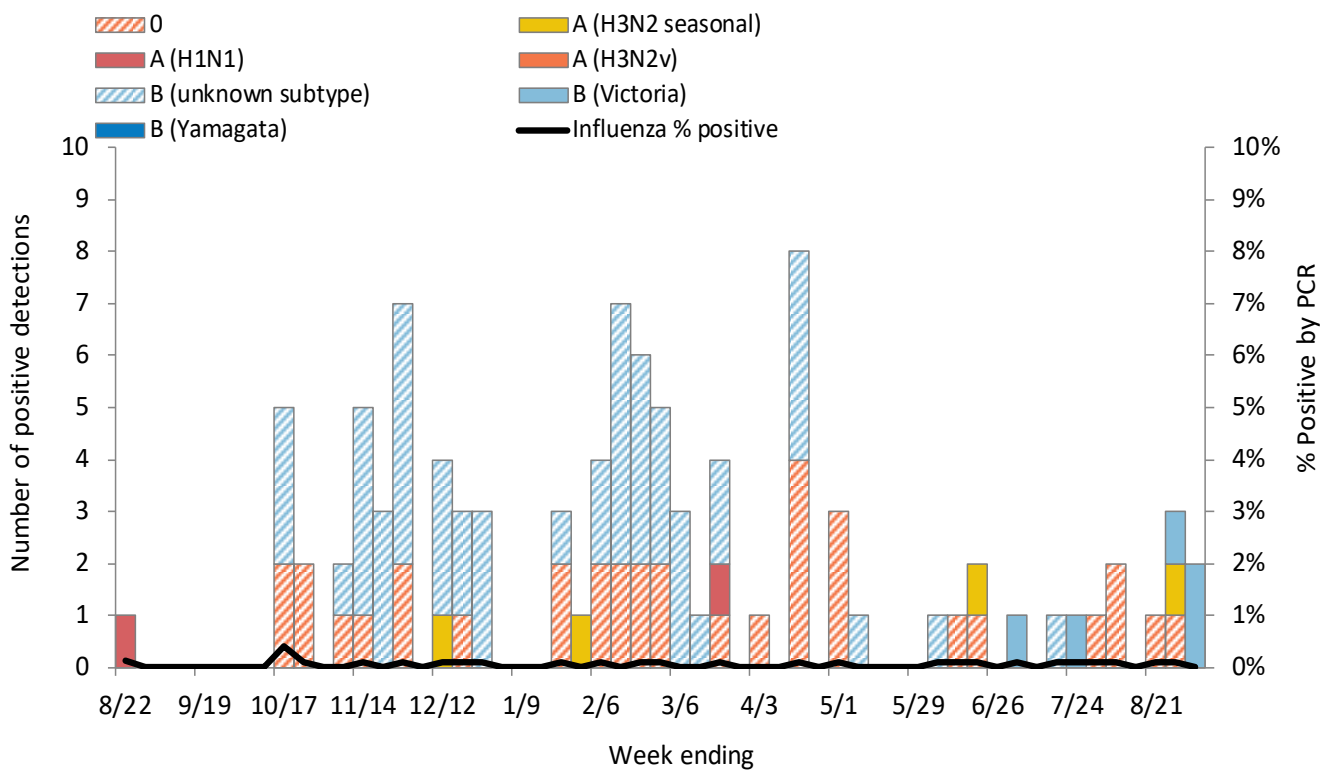
Influenza- and pneumonia-associated deaths by most recent influenza season week, Wisconsin, 2020-2021 season

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
33	0	74	6.6%	4.3%	5.0%
34	0	80	7.3%	4.2%	5.0%
35 Preliminary Data	0	72	9.0%	4.2%	4.9%
Seasonal total	0	4773	8.0%	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

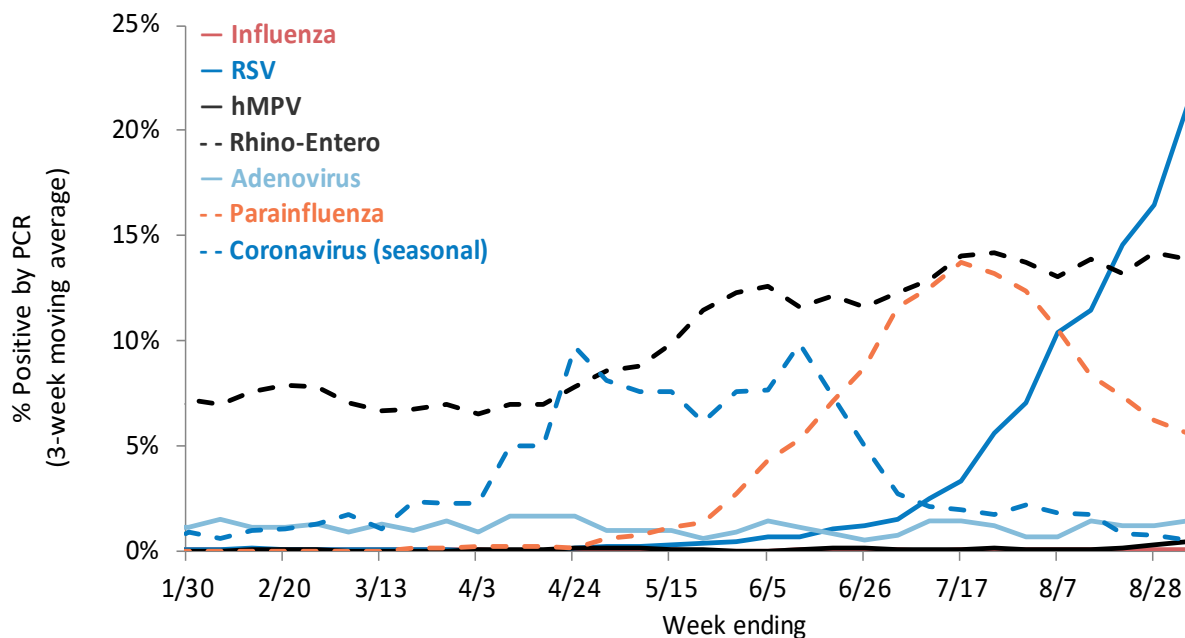


Cumulative number of positive influenza PCR tests by subtype October 1, 2020 to present

	A (2009 H1N1)	Influenza A: A (H3N2)	43% A (Unknown)	B (Victoria)	Influenza B: B (Yamagata)	57% B (Unknown)	Total
Total positive (n)	3	4	35	0	0	57	99
% of total positive	3%	4%	36%	0%	0%	57%	100%

WISCONSIN LABORATORY SURVEILLANCE FOR RESPIRATORY VIRUSES BY PCR

Trends in respiratory virus activity by PCR



Week 35: Ending on September 4, 2021

Respiratory virus	Tested	Positive (n)	Positive (%)	Influenza A			Influenza B		
				H3N2	2009	Unknown	Victoria	Yamagata	Unknown
Influenza	5106	2	<0.1%	0	0	0	0	0	2

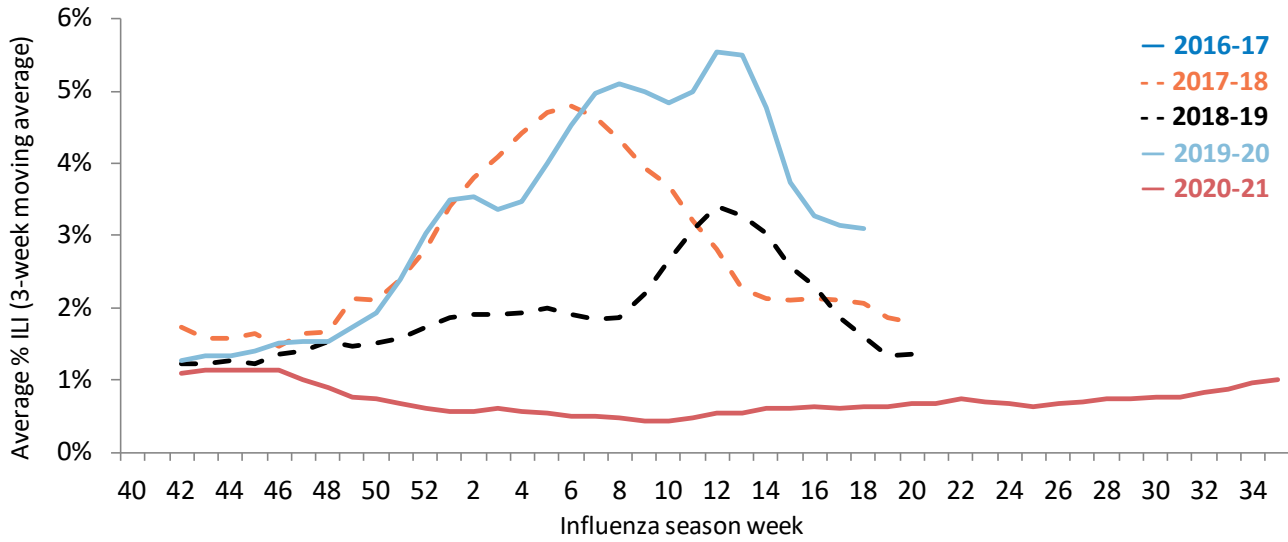
Respiratory virus	Tested	Positive (n)	Positive (%)	Parainfluenza 1	Parainfluenza 2	Parainfluenza 3	Parainfluenza 4
Parainfluenza	875	31	3.5%	0	5	24	2

Respiratory virus	Tested	Positive (n)	Positive (%)	CoV 229E	CoV OC43	CoV NL63	CoV HKU1
Coronavirus (seasonal)	199	1	0.5%	1	0	0	0

Respiratory virus	Tested	Positive (n)	Positive (%)
RSV	2002	512	25.6%
Human metapneumovirus	875	5	0.6%
Rhino-enterovirus	881	130	14.8%
Adenovirus	199	6	3.0%

WISCONSIN STATE SUMMARY

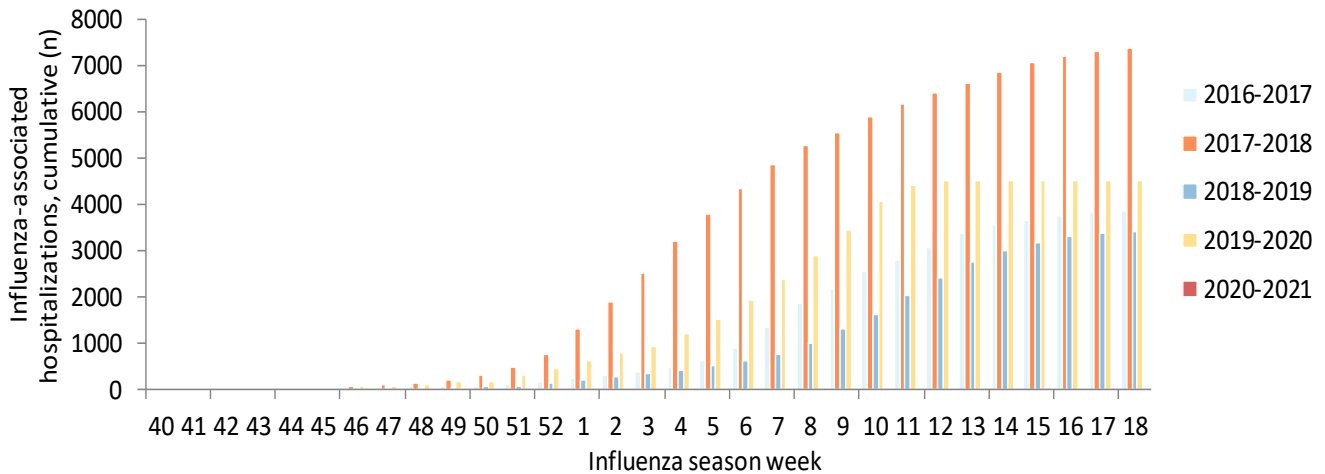
ILI activity trend analysis by influenza season, Wisconsin



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

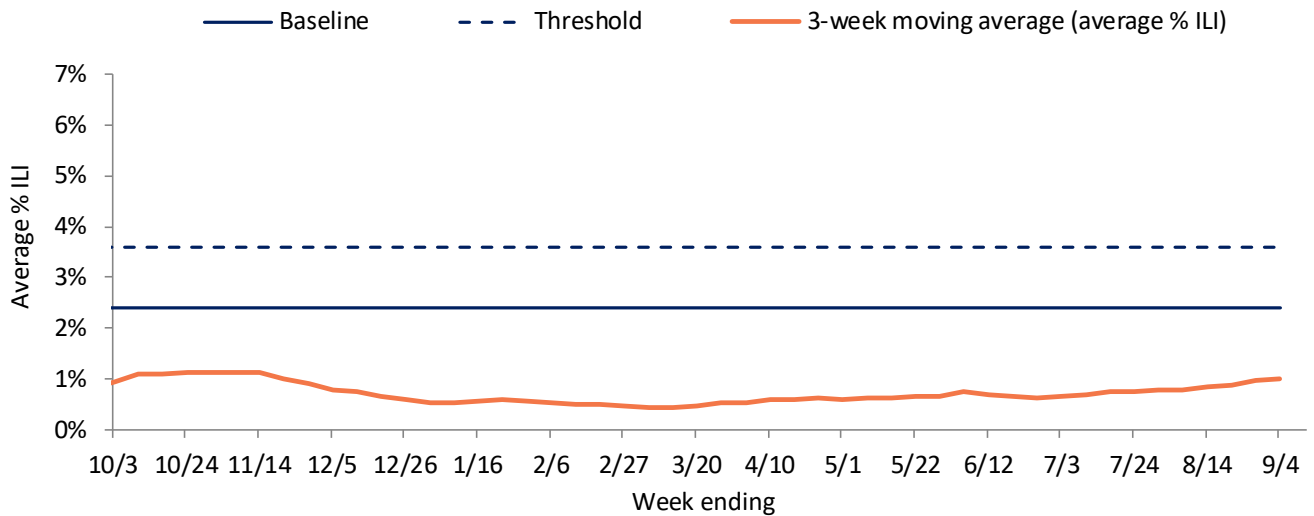
Age group (years)	Total reported (n)	Influenza subtype					Admitted to ICU	Required mechanical ventilation	Pregnant	Postpartum (≤6 weeks)
		A (2009 H1N1)	A (H3N2)	A (Unknown)	B	Not reported				
<1	0	0	0	0	0	0	0	0		
1-4	1	0	0	1	0	0	0	0		
5-17	1	0	0	1	0	0	0	0		
18-49	2	0	0	0	2	0	0	0	0	0
50-64	4	0	0	2	2	0	0	0		
65+	13	0	0	2	11	0	1	0		
Total	21	0	0	6	15	0	1	0	0	0

Reported cumulative influenza-associated hospitalizations by influenza season, Wisconsin

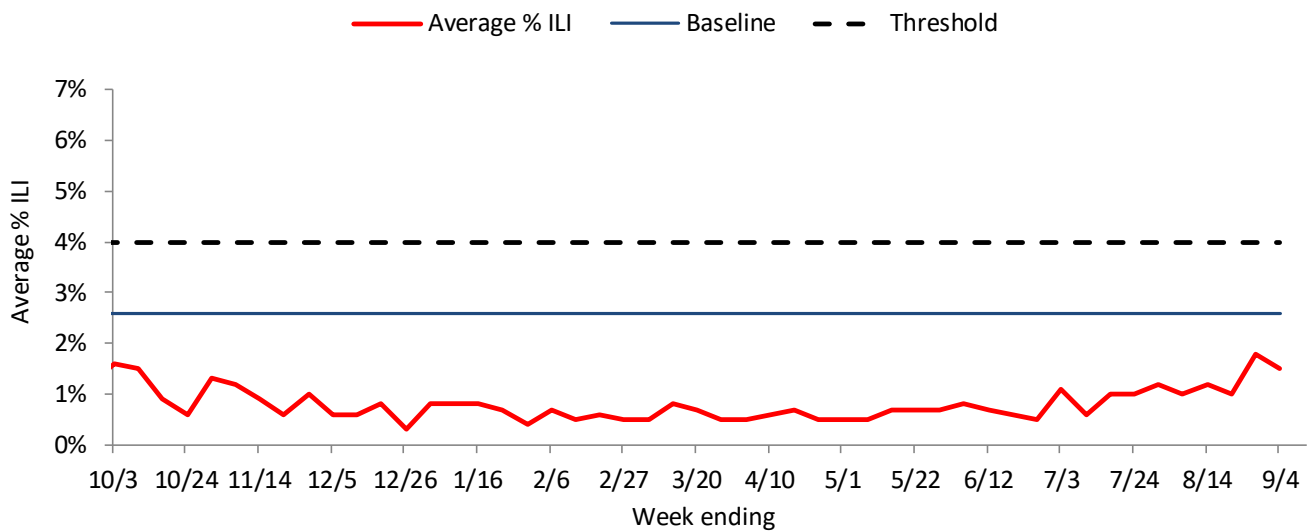


ILI ACTIVITY TREND ANALYSIS

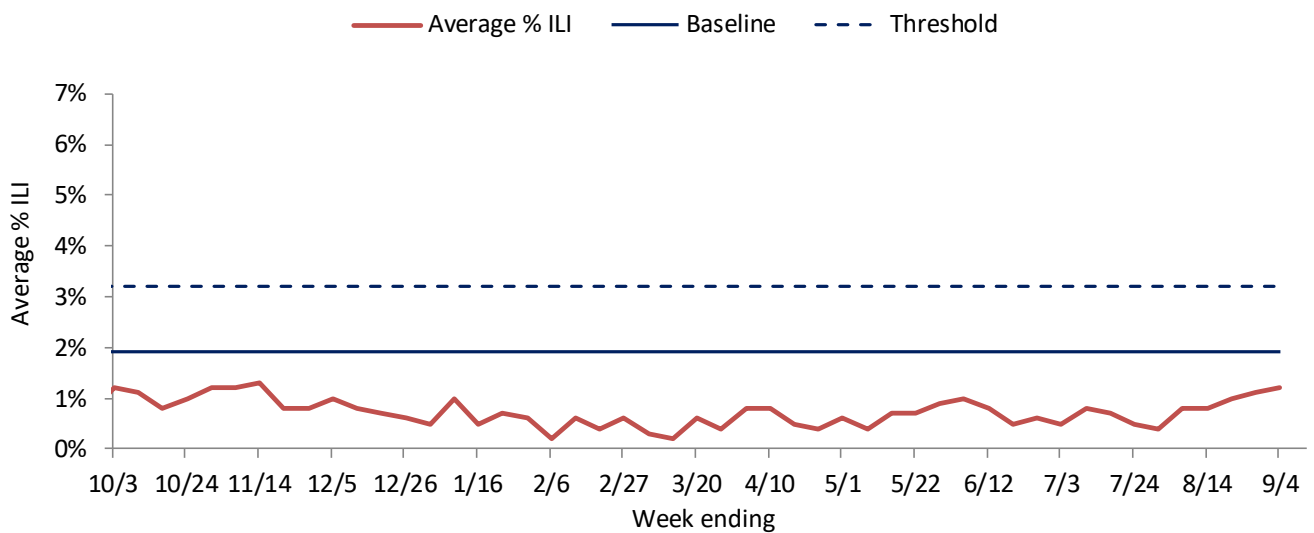
Wisconsin



Northeastern Region

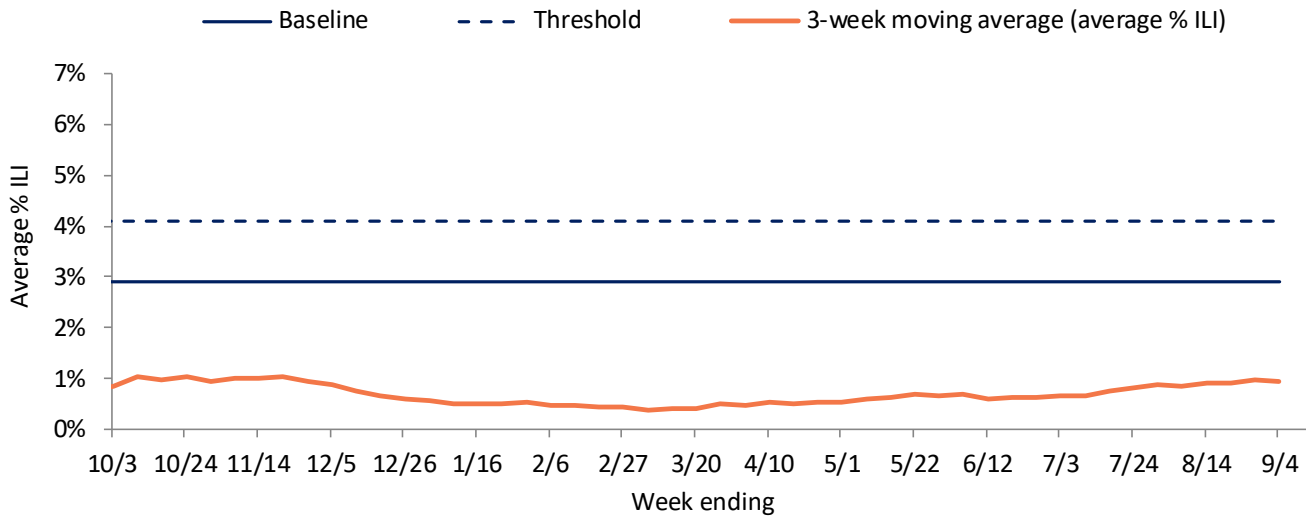


Northern Region

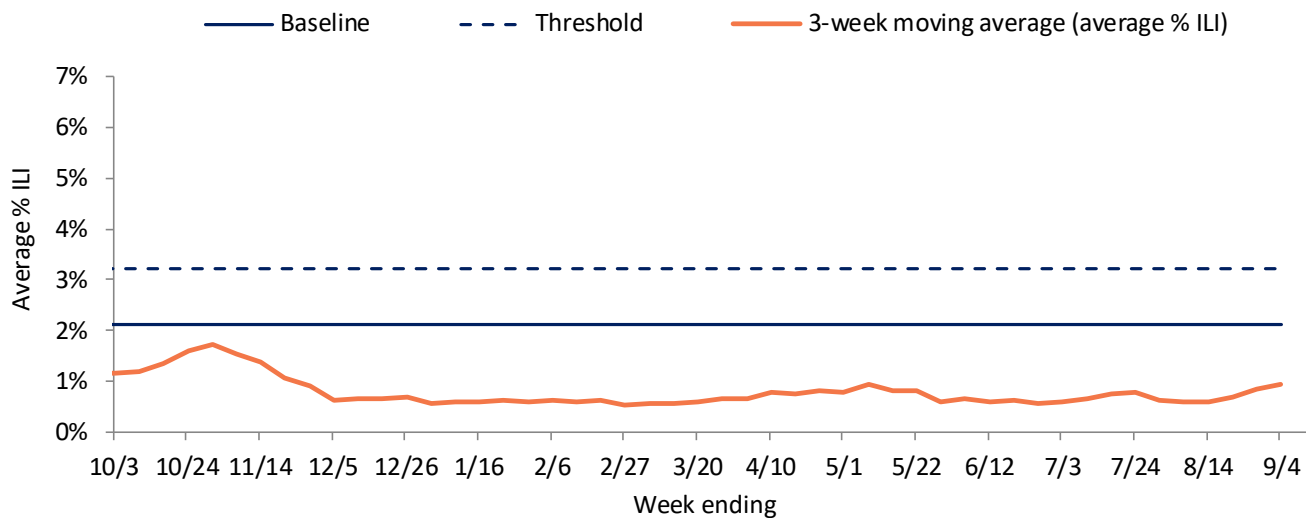


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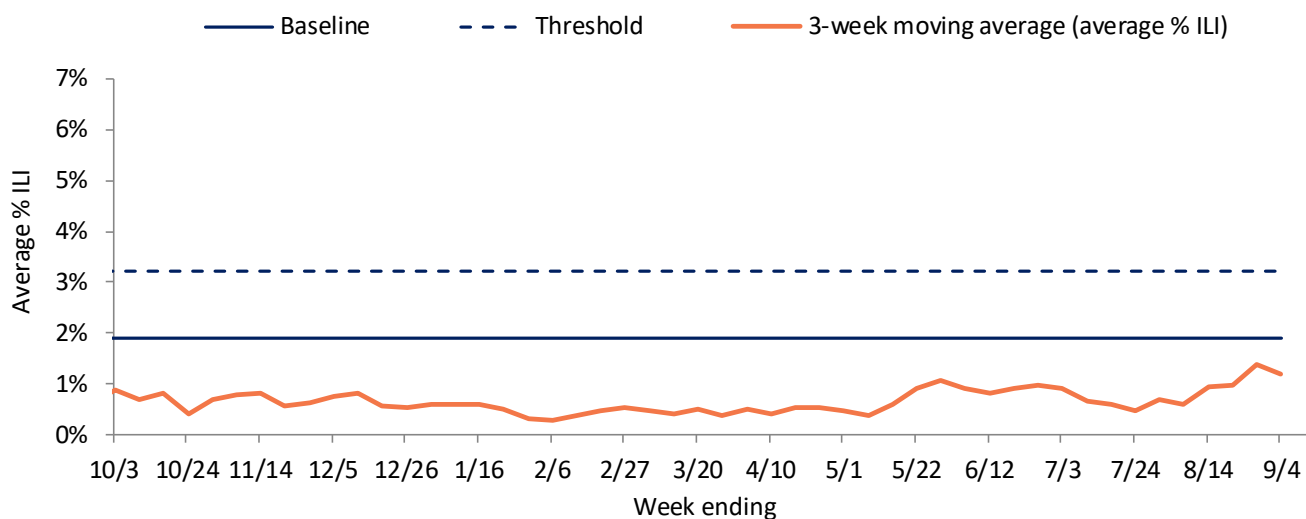
Southeastern Region



Southern Region

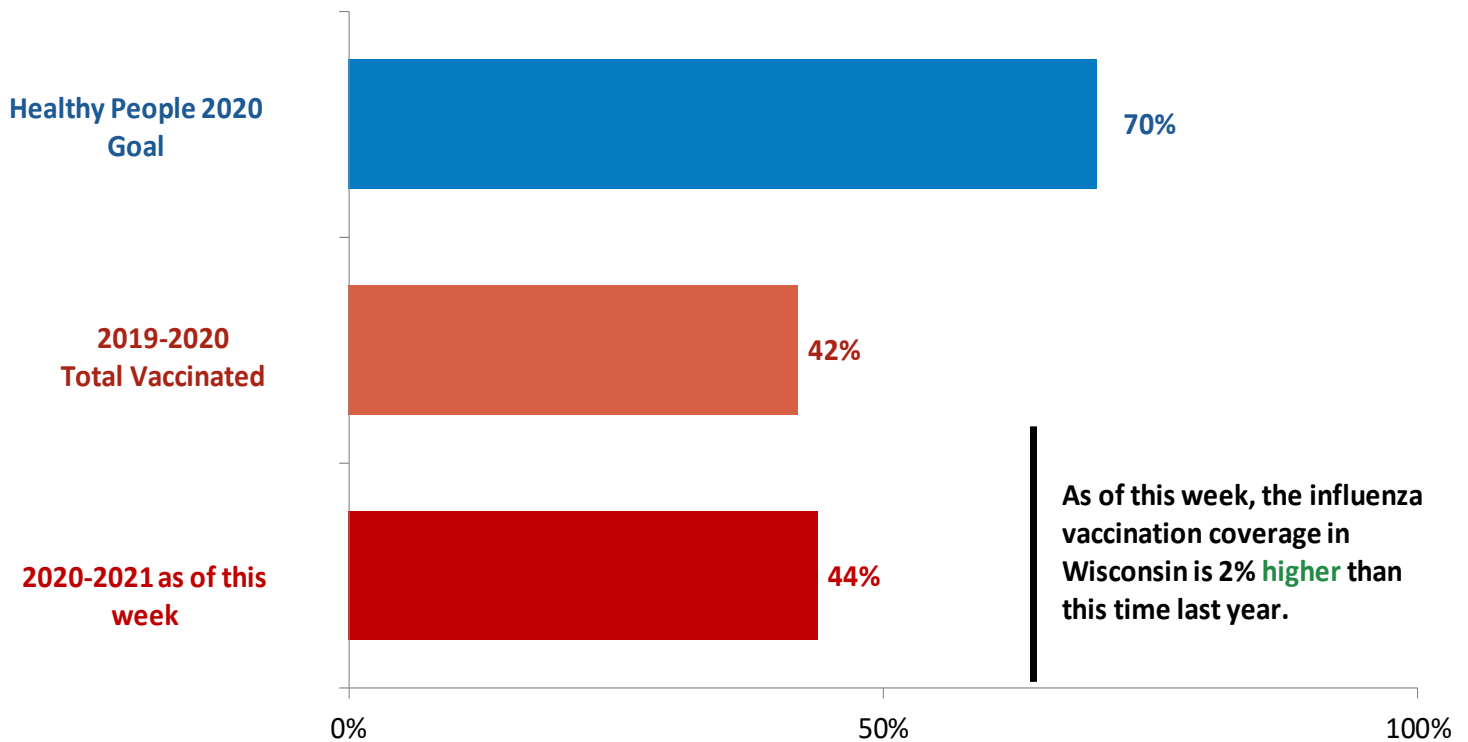


Western Region



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)

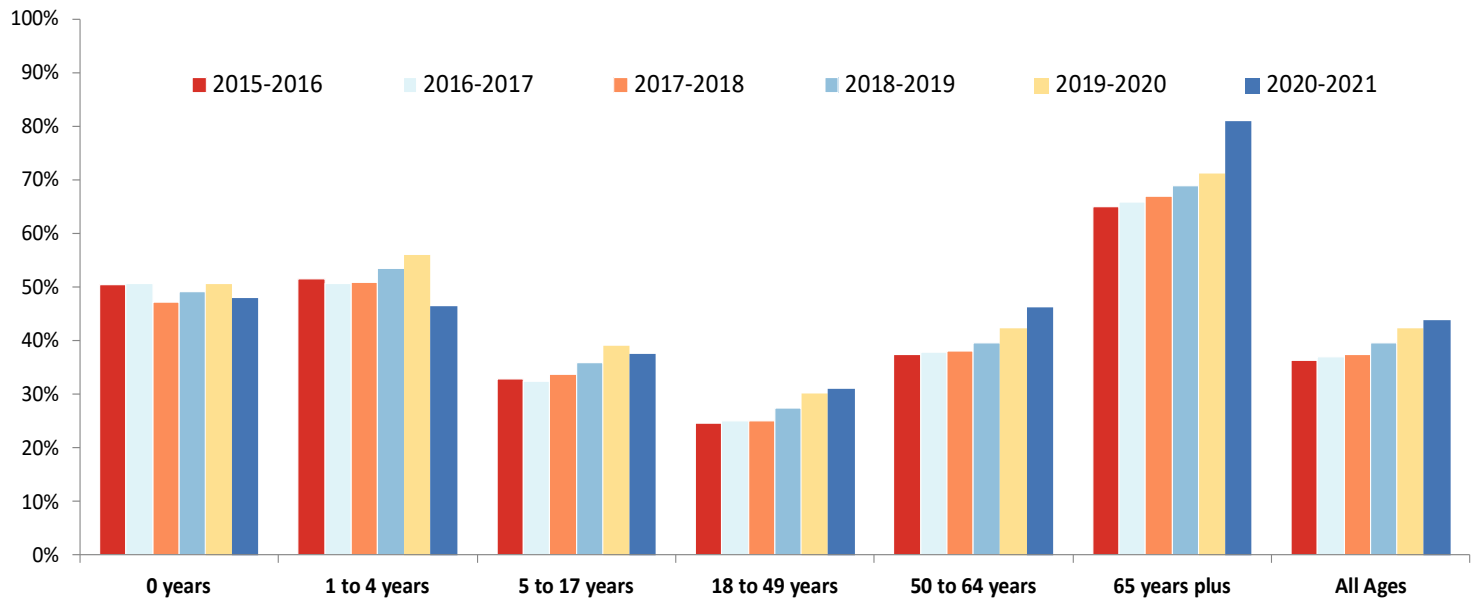
Quadrivalent (four-component) egg-based vaccines, which protect against a second lineage of B viruses, are recommended to contain: the three recommended viruses above, plus B/Phuket/3073/2013-like (Yamagata lineage) virus.

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

