

U.S. Army Public Health Center

# Army Influenza Activity Report

Week ending 05 December 2020 (week 49)

## Influenza Vaccination Coverage\*

As of 10 December 2020

68%	Army Active Duty
63%	Army Guard
75%	Army Reserve

\*Data Source: MEDPROS

Click to enlarge images.

## SUMMARY

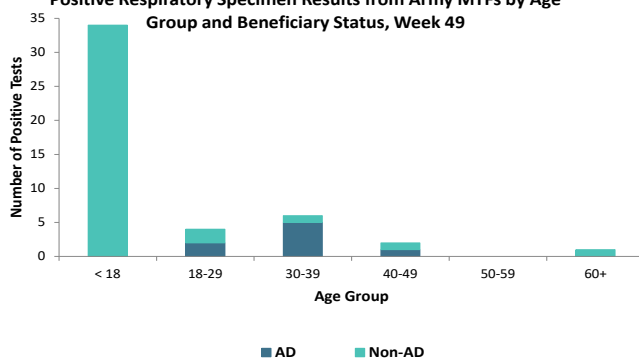
The proportion of positive influenza A specimens for the Army in week 49 is 0.5%, which is significantly lower than that of the 2019-2020 season (6.7%) for the same time period; all regional health commands had a percent positive rate lower than their respective historical averages. No hospitalizations were reported in week 49; the season total thus far is three compared to 30 influenza-related hospitalizations reported as of this time last season. Of the total positive influenza specimens (n=15), 60% (n=9) were influenza B specimens. Nationwide, influenza activity is low with 0.2% of specimens tested by clinical laboratories being positive for influenza. Getting the flu vaccine, in conjunction with utilizing appropriate hand hygiene practices, is the best way to help prevent the flu.

## GEOGRAPHIC SPREAD

Data on the geographical spread of influenza is unavailable this season due to the COVID-19 pandemic. For information from previous seasons and additional information about nationwide influenza surveillance, please visit the Centers for Disease Control and Prevention's website by clicking [here](#).

## DEMOGRAPHICS

Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 49

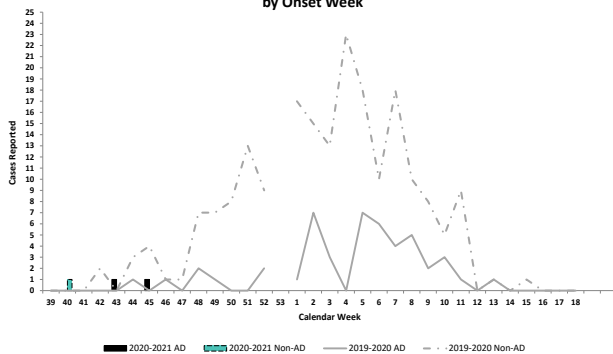


**AD:** Eight positive respiratory specimens were collected from active duty (AD) Service members in week 49; they were collected from individuals in the 30-39 (n=5), 18-29 (n=2), and 40-45 (n=1) age groups.

**Non-AD:** Thirty-nine positive respiratory specimens were collected from non-AD individuals; 87% (n=34) were from those under 18 years of age.

## INFLUENZA-ASSOCIATED HOSPITALIZATIONS

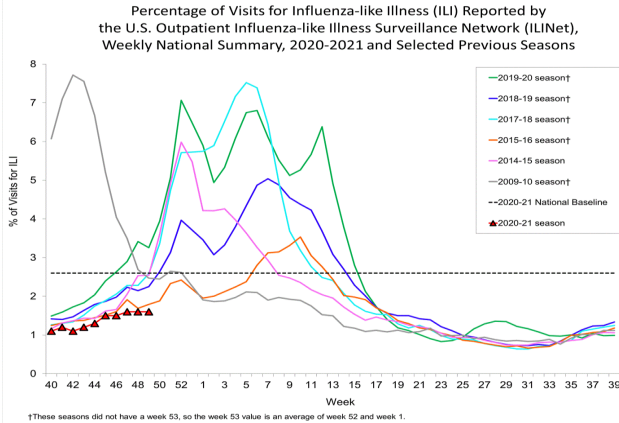
Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week



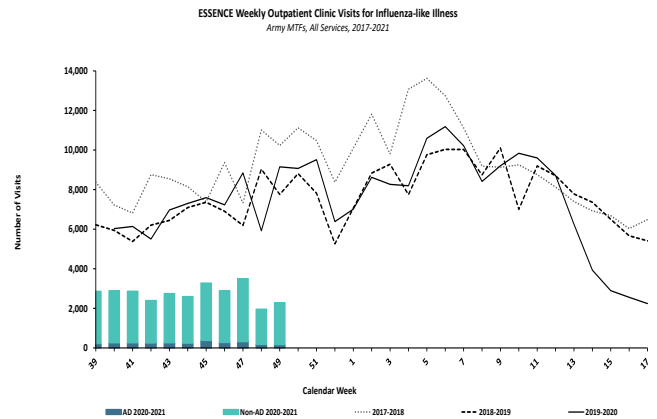
No influenza-associated hospitalizations were reported to the Disease Reporting System internet (DRSi) in week 49; three hospitalizations have been reported for the entire season thus far. During the 2019-2020 season, eight hospitalizations were reported in week 49 (with 30 hospitalizations reported from start of the season through week 49).

\*DRSi does not capture cases older than 65 years old for influenza-associated hospitalizations.

## ILI ACTIVITY - UNITED STATES

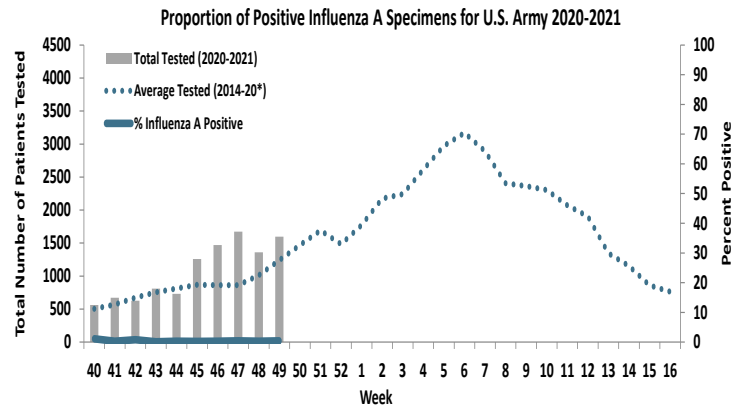
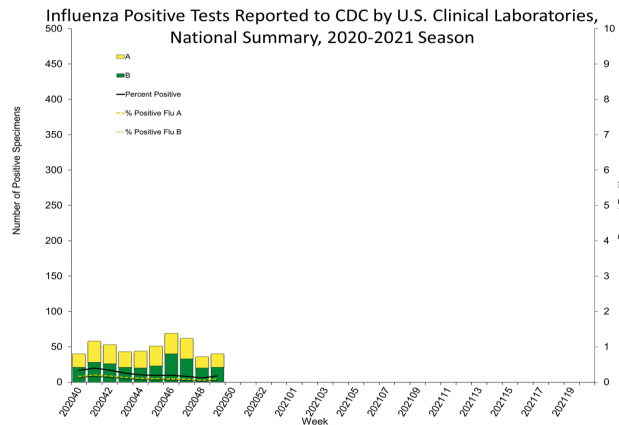


## ILI ACTIVITY - ARMY



Nationwide in week 49, incident ILI activity was 1.6%; this is below the national baseline of 2.6%. At Army medical treatment facilities, incident ILI activity increased by 17% from week 48 to week 49. The majority of ILI encounters (93%) were from non-AD patients in week 49.

## LABORATORY RESPIRATORY SPECIMEN TESTING



Nationwide during week 49, a total of 22,474 specimens were tested for influenza by clinical laboratories and submitted to CDC, of which 40 (0.2%) were positive; influenza A accounted for 47.5% of the total positive specimens. In the Army population, 0.4% of 1,597 specimens tested for influenza A were positive in week 49.

		Week 46	Week 47	Week 48	Week 49	Season Total
Army MTF Laboratory Results, 2020-21	Influenza A	4	7	4	6	44
	Influenza B	1	5	4	9	44
	Adenovirus	2	5	1	2	35
	Enterovirus	12	19	18	28	102
	Parainfluenza	0	3	0	0	5
	RSV	2	4	2	2	23
	Negative	3,447	3,972	3,046	3,729	27,545
	<b>Total</b>	<b>3,468</b>	<b>4,015</b>	<b>3,075</b>	<b>3,776</b>	<b>27,798</b>

Of the 3,776 specimens tested in week 49, 1% (n=47) were positive for any type of respiratory illness. Rhinovirus/enterovirus accounted for 60% (n=28) of positive specimens, influenza B for 19% (n=9), influenza A for 13% (n=6), and respiratory syncytial virus (RSV) and adenovirus each accounted for 4% (n=2).

Additionally, the reported number of specimens tested increased by 23% since week 48 (n=3,075).

**Locations providing week 48 laboratory data as of 9 December 2020:** Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Huachuca, Ft Jackson, Ft Knox, Ft Leavenworth, Ft Lee, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Korea, Landstuhl Regional Medical Center, Redstone Arsenal, Tripler Army Medical Center, the U.S. Military Academy, and Walter Reed National Military Medical Center.

## LABORATORY RESPIRATORY SPECIMEN TESTING DURING WEEK 48

Installation	Influenza A			Influenza B			Adenovirus		
	No. Tested	% Positive	Baseline % Positive	No. Tested	% Positive	Baseline % Positive	No. Tested	% Positive	Baseline % Positive
Ft. Belvoir	90	0	2.8	90	0	19.7	46	0	14.3
Ft. Benning	22	0	3.1	22	0	9.4			
Ft. Bragg	4	0	1.1	4	0	100			
Ft. Campbell	89	1.1	2.3	89	2.2	4.5			100
Ft. Drum	4	0	0	4	0				100
Ft. Eustis	9	0	0	9	0	100			
Ft. Gordon	28	0	1.4	28	0	21			100
Ft. Jackson	22	0	0	22	0	0			
Ft. Knox	9	0	16.7	9	0	16.7			
Ft. Lee	3	0	4.3	3	0	100			
Ft. Meade	3	0	16.7	3	0				
Ft. Rucker	41	0	4.8	40	0	11.1			
Ft. Stewart	28	0	3.4	28	0	11.1			100
Redstone Arsenal	6	0	0	6	16.7	5.6			
U.S. Military Academy	13	7.7	8.3	12	8.3	0			100
Ft. Bliss	112	0	3.4	112	0	8			7.1
Ft. Carson	73	1.4	3.1	10	0				
Ft. Hood	42	0	0.5	42	0	12	10	0	0
Ft. Irwin	1	0	0	1	0	25.8			
Ft. Leavenworth	1	0	13.2	1	0	9.4			
Ft. Polk	45	2.2	0	45	4.4	100			
Ft. Riley	60	0	0	60	0	0			
Ft. Sam Houston	652	0	15.7	621	0.2	0			100
Ft. Sill	45	2.2	2.5	45	0	66.7			
Landstuhl Regional Medical Center	102	0	2.6	102	0	0	102	0	0
Ft. Wainwright	1	0	3.9	1	0	22			
Korea	67	1.5	20	67	1.5	0			0
Tripler Army Medical Center	54	0	14.3	54	0	2.3	56	3.6	0

Installation	Enterovirus			Parainfluenza			RSV		
	No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.
Ft. Belvoir				46	0	5.9	90	0	16.9
Ft. Gordon						100	2	0	100
Ft. Stewart						100	5	0	9.5
Ft. Bliss							12	0	20.8
Ft. Carson							4	0	0
Ft. Hood	10	60		10	0	11.8	18	0	41.3
Ft. Polk							2	0	16.7
Ft. Riley							7	28.6	7.7
Ft. Sam Houston						100	2	0	100
Ft. Sill							1	0	100
Landstuhl Regional Medical Center				102	0	9.8	105	0	11.1
Tripler Army Medical Center	54	40.7	0	54	0	0			100

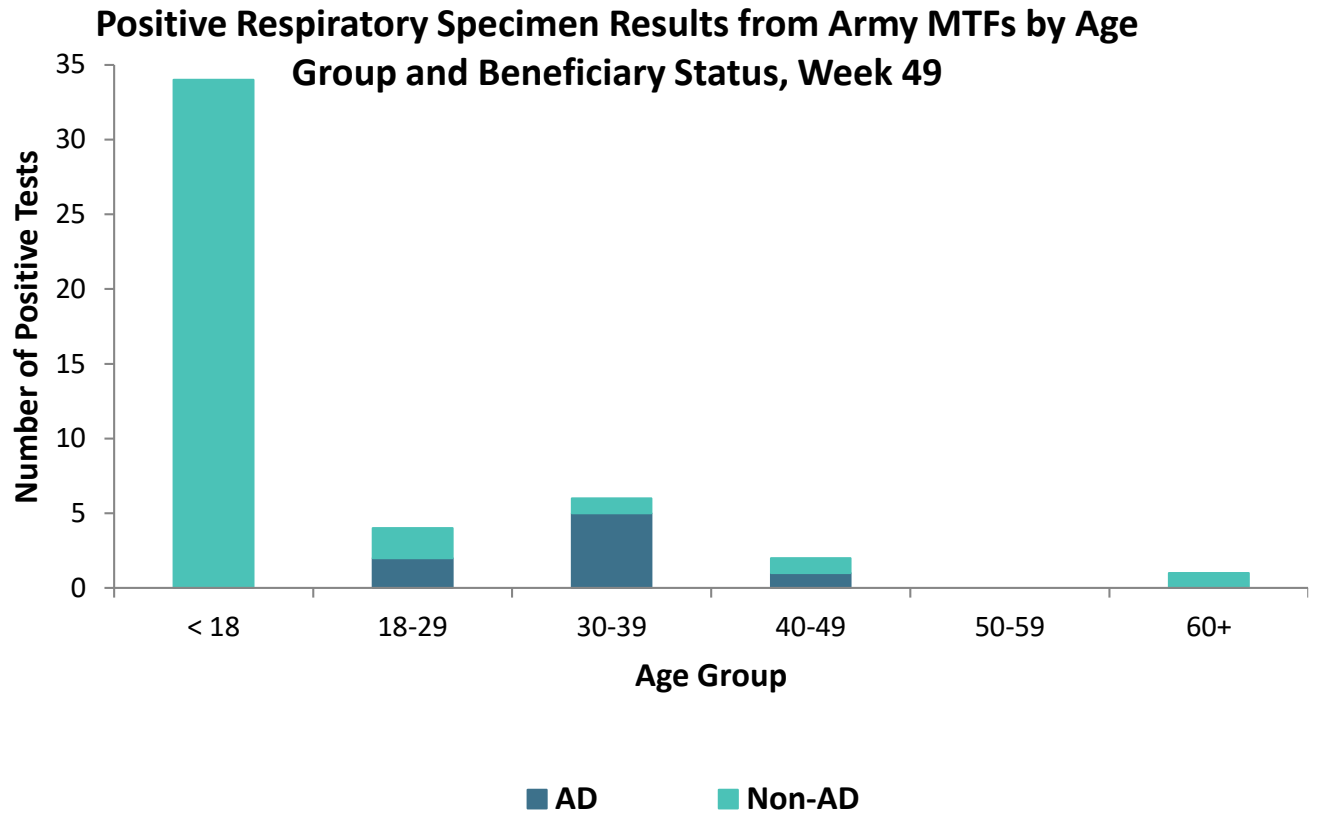
No. Tested: Number of specimens tested during MMWR week 49, 2020/2021 season.

% Positive: Percentage of positive specimens reported during MMWR week 49, 2020/2021 season.

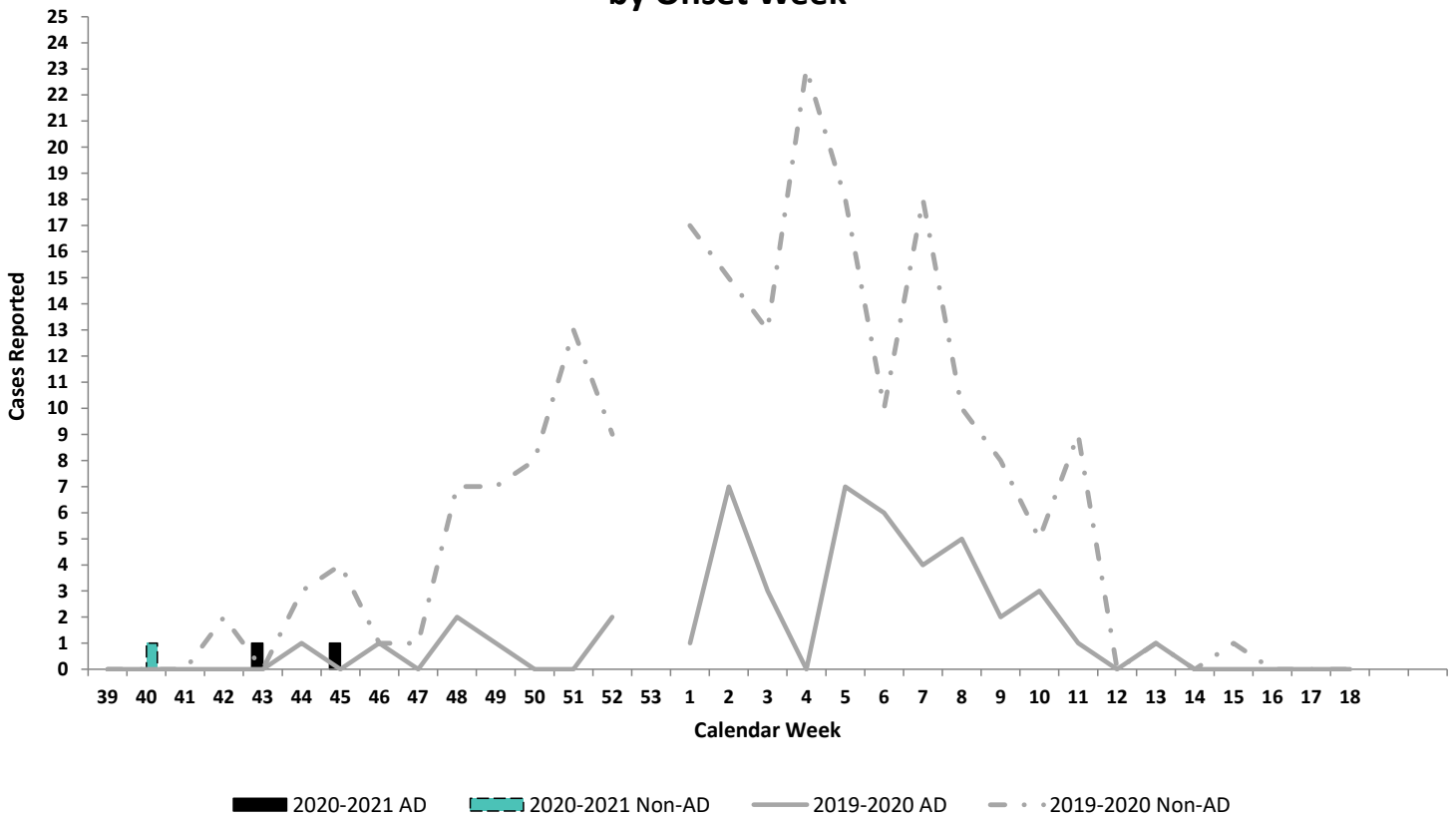
Baseline % Pos.: Percentage of positive specimens reported in MMWR week 49 during influenza seasons from September 2012 - May 2020.

Missing values indicate that specimens were not tested for the disease during the week of interest.





**Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week**



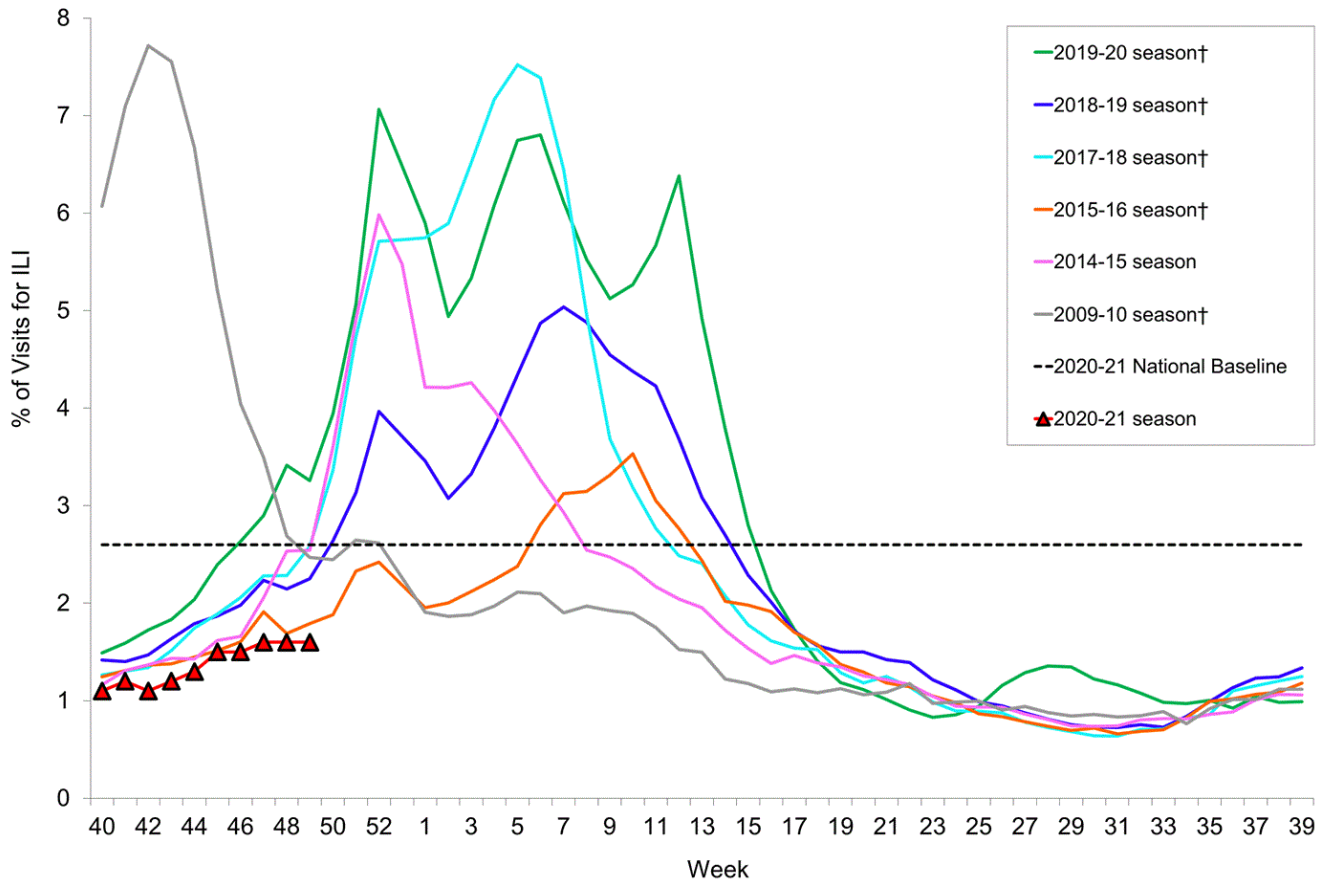


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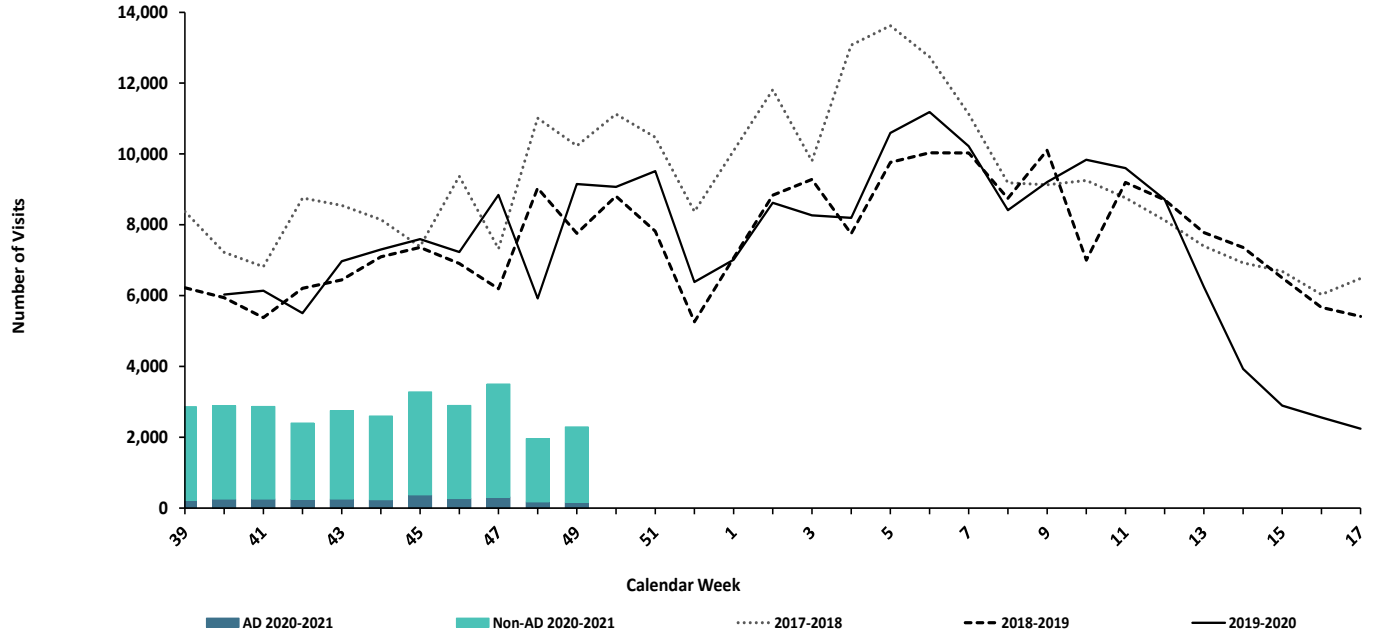
Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2020-2021 and Selected Previous Seasons



†These seasons did not have a week 53, so the week 53 value is an average of week 52 and week 1.



**ESSENCE Weekly Outpatient Clinic Visits for Influenza-like Illness**  
*Army MTFs, All Services, 2017-2021*

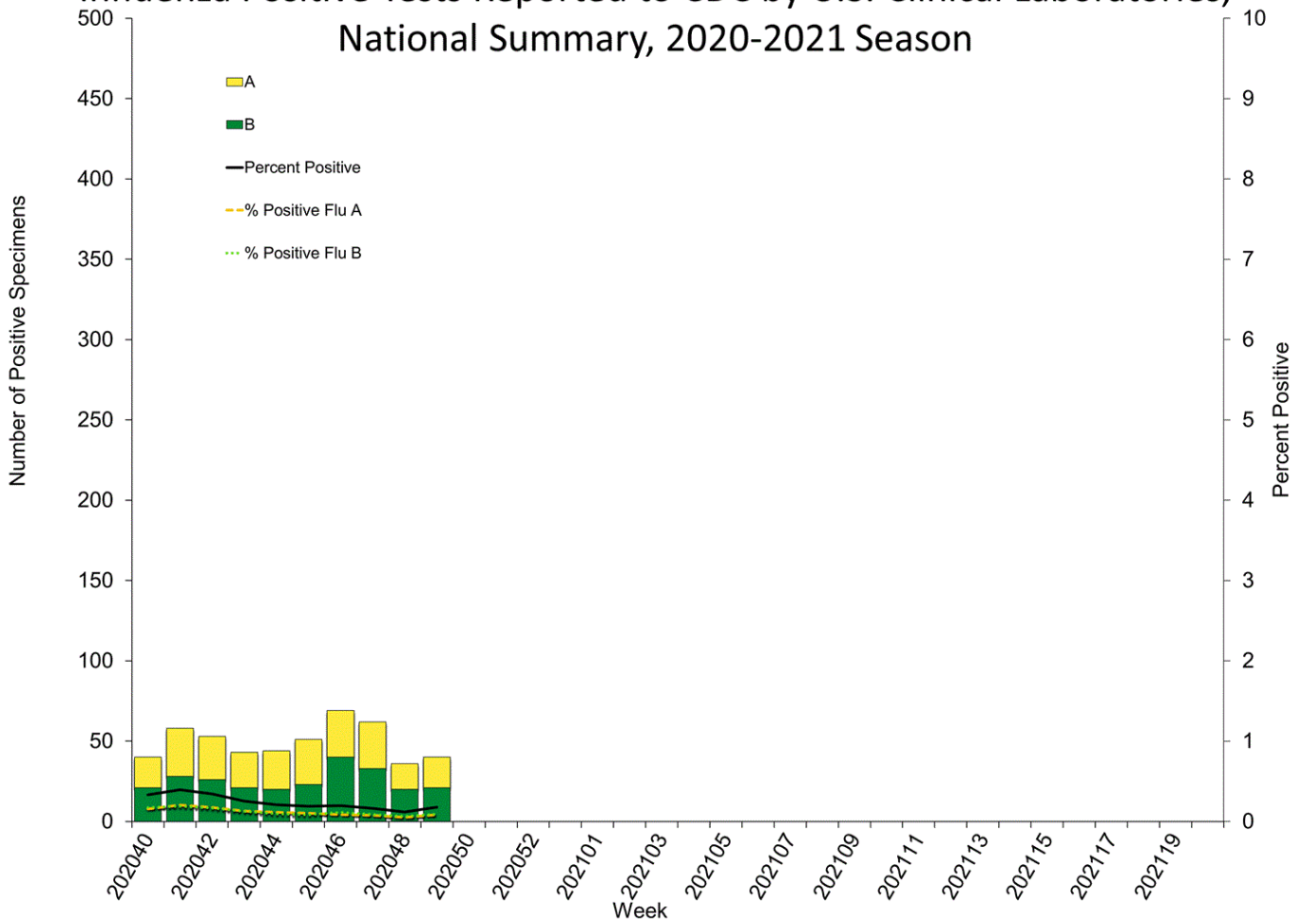




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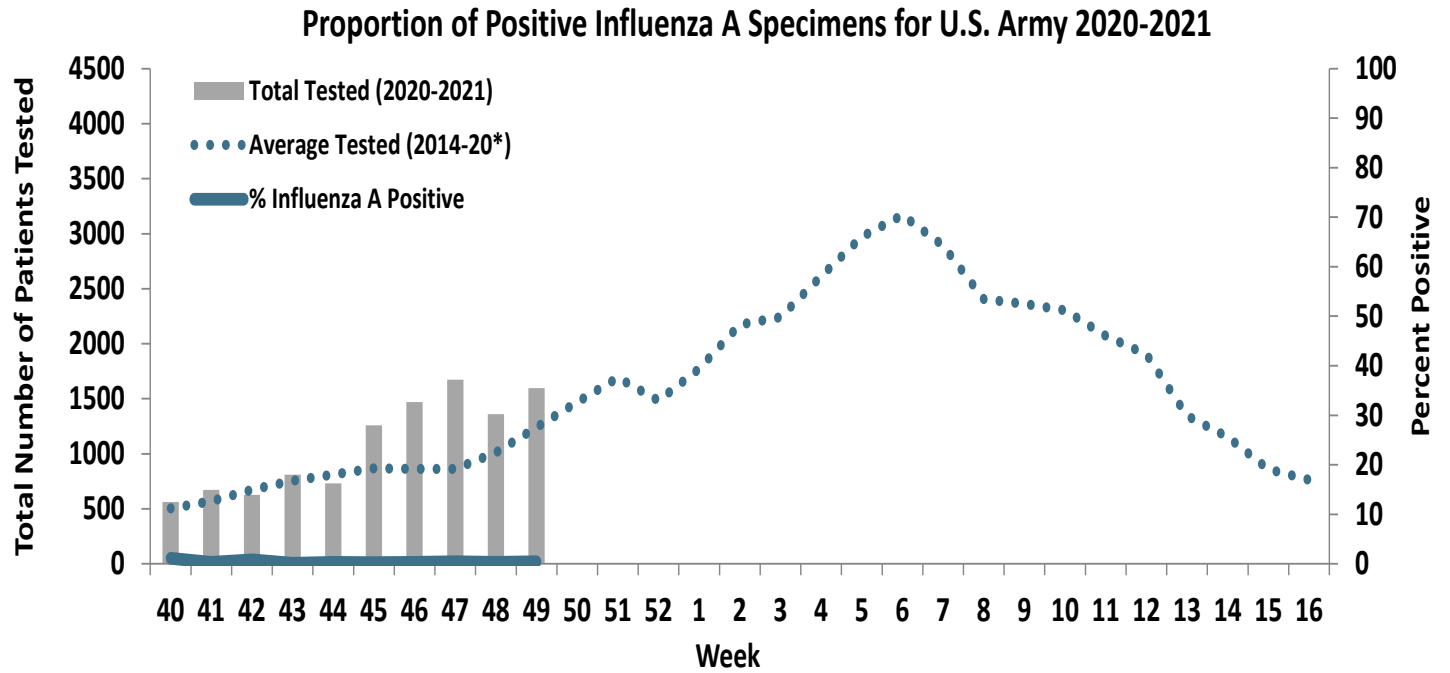
**Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories,  
 National Summary, 2020-2021 Season**



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\*2014/2015 influenza season - 2019/2020 influenza season