

U.S. Army Public Health Center

# Army Influenza Activity Report

Week ending 12 December 2020 (week 50)

## Influenza Vaccination Coverage\*

As of 16 December 2020

76%	Army Active Duty
67%	Army Guard
77%	Army Reserve

\*Data Source: MEDPROS

Click to enlarge images.

## SUMMARY

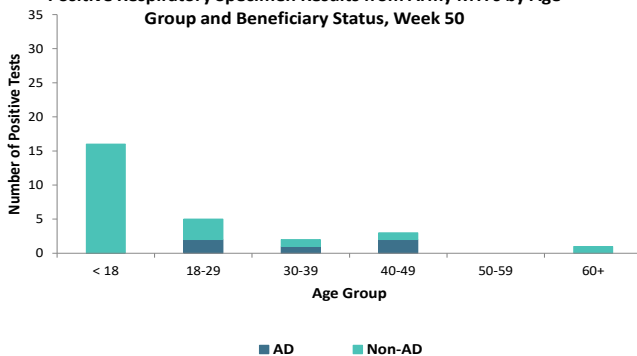
The proportion of positive influenza A specimens for the Army in week 50 is 0.5%, which is significantly lower than that of the 2019-2020 season (10.5%) for the same time period. Influenza B continues to represent the majority of positive influenza specimens for the second consecutive week. Of the total positive influenza specimens (n=5), 80% (n=4) were influenza B specimens. No hospitalizations were reported in week 50; the season total thus far is three compared to 38 influenza-related hospitalizations reported as of this time last season. Nationwide, influenza activity is low with 0.3% of specimens tested by clinical laboratories being positive for influenza.

## 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 50

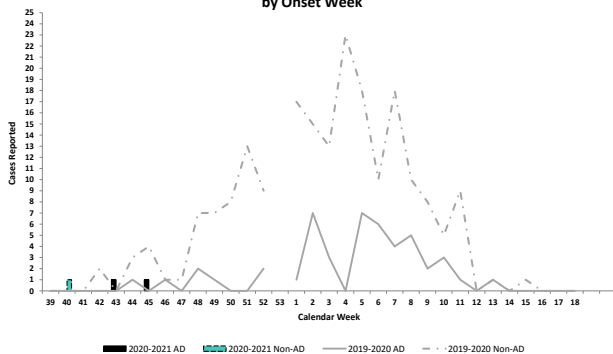


**AD:** Five positive respiratory specimens were collected from active duty (AD) Service members in week 50; they were collected from individuals in the 18-29 (n=2), 40-49 (n=2), and 30-39 (n=1) age groups.

**Non-AD:** Twenty-two positive respiratory specimens were collected from non-AD individuals; 73% (n=16) were from those under 18 years of age.

## INFLUENZA-ASSOCIATED HOSPITALIZATIONS

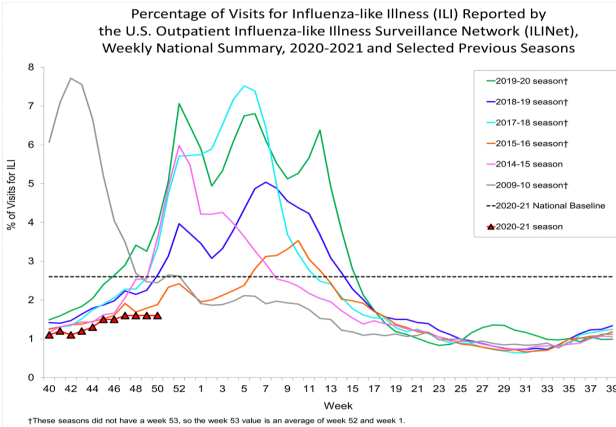
Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week



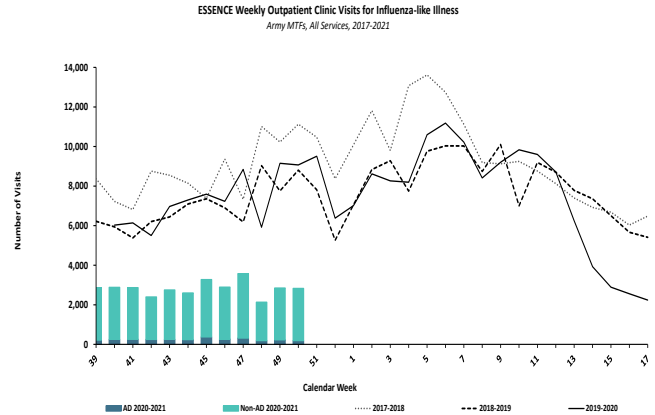
No influenza-associated hospitalizations were reported to the Disease Reporting System internet (DRSi) in week 50; three hospitalizations have been reported for the entire season thus far. During the 2019-2020 season, eight hospitalizations were reported in week 50 (with 38 hospitalizations reported from start of the season through week 50).

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

## ILI ACTIVITY - UNITED STATES

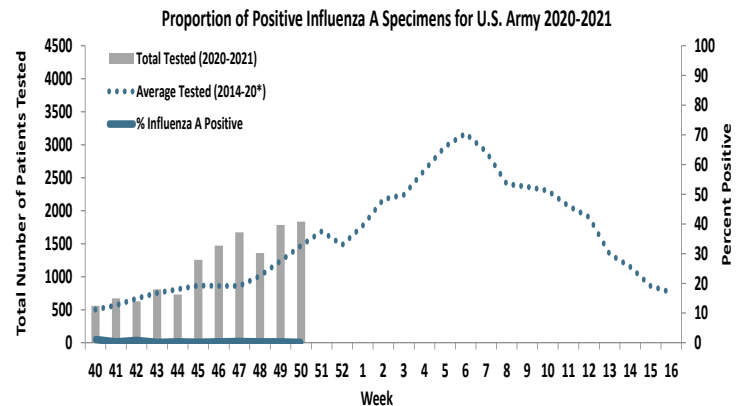
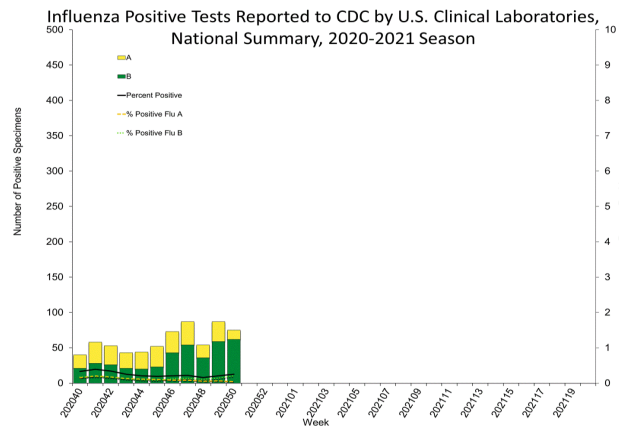


## ILI ACTIVITY - ARMY



Nationwide in week 50, incident ILI activity was 1.6%; this is below the national baseline of 2.6%. At Army medical treatment facilities, incident ILI activity decreased by 1% from week 48 to week 49. The majority of ILI encounters (93%) were from non-AD patients in week 50.

## LABORATORY RESPIRATORY SPECIMEN TESTING



Nationwide during week 50, a total of 29,578 specimens were tested for influenza by select clinical laboratories and submitted to CDC, of which 75 (0.3%) were positive; influenza B accounted for 82.7% of the total positive specimens. In the Army population, 0.1% of 1,835 specimens tested for influenza A were positive in week 50.

		Week 47	Week 48	Week 49	Week 50	Season Total
Army MTF Laboratory Results, 2020-21	Influenza A	7	4	6	1	45
	Influenza B	5	4	9	4	48
	Adenovirus	5	1	2	1	36
	Enterovirus	19	18	28	21	123
	Parainfluenza	3	0	0	0	5
	RSV	4	2	2	0	23
	Negative	3,972	3,046	4,169	4,066	32,051
	<b>Total</b>	<b>4,015</b>	<b>3,075</b>	<b>4,216</b>	<b>4,093</b>	<b>32,331</b>

Of the 4,093 specimens tested in week 50, 1% (n=27) were positive for any type of respiratory illness. Rhinovirus/enterovirus accounted for 78% (n=21) of positive specimens, influenza B for 15% (n=4), and influenza A and adenovirus each accounted for 4% (n=1).

Additionally, the reported number of specimens tested decreased by 3% since week 49 (n=4,216).

**Locations providing week 50 laboratory data as of 16 December 2020:** Ft Belvoir, Ft Benning, Ft Bliss, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Hood, Ft Huachuca, Ft Irwin, Ft Jackson, Ft Knox, Ft Lee, Ft Leonard Wood, Ft Lewis, 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, and the U.S. Military Academy.

## LABORATORY RESPIRATORY SPECIMEN TESTING DURING WEEK 50

Region	Installation	Influenza A		Influenza B		Adenovirus	
		% Positive	Baseline % Positive	% Positive	Baseline % Positive	% Positive	Baseline % Positive
RHCA	Ft. Belvoir	0	3.5	0	100	-	7.7
	Ft. Benning	0	6.7	0	11.7	-	-
	Ft. Campbell	0	11.4	0	0	-	100
	Ft. Drum	0	0	0	-	-	100
	Ft. Eustis	0	14.3	0	100	-	-
	Ft. Jackson	0	0	0	0	-	-
	Ft. Knox	0	20	0	20	-	-
	Ft. Rucker	0	0	0	30.4	-	-
	Ft. Stewart	0	3.9	0	19.4	-	-
	Redstone Arsenal	0	0	0	0	-	-
U.S.Military Academy	0	31.6	0	35.7	-	100	
RHCC	Ft. Bliss	0	4.5	0	12.6	-	13.8
	Ft. Carson	0	2.1	0	-	-	-
	Ft. Hood	0	4.8	0	6.1	0	0
	Ft. Huachuca	0	0	0	9.1	-	-
	Ft. Irwin	0	0	0	33.3	-	-
	Ft. Leonard Wood	0	1.9	1.2	3.8	-	100
	Ft. Polk	0	7.1	0	100	-	-
	Ft. Riley	0	0	2.1	0	-	-
	Ft. Sam Houston	0.1	21.3	0.2	13.4	-	100
Ft. Sill	0	4	0	100	-	-	
RHCE	Landstuhl Regional Medical Center	0	7.8	0	6.4	0	2.1
	Korea	0	6.7	0	0	-	12.2
	Tripler Army Medical Center	0	10.8	0	1.6	1.7	0

Region	Installation	Enterovirus		Parainfluenza		Respiratory Syncytial Virus	
		% Positive	Baseline % Pos.	% Positive	Baseline % Pos.	% Positive	Baseline % Pos.
RHCA	Ft. Belvoir	-	-	-	0	0	40.9
	Ft. Stewart	-	-	-	100	0	25
RHCC	Ft. Bliss	-	-	-	-	0	23.4
	Ft. Carson	-	-	-	-	0	12.5
	Ft. Hood	0	-	0	4.2	0	20
	Ft. Polk	-	-	-	-	0	25
	Ft. Riley	-	-	-	-	0	15.4
	Ft. Sill	-	-	-	-	0	55.6
RHCE	Landstuhl Regional Medical Center	-	-	0	6.1	0	10.9
RHCP	Tripler Army Medical Center	36.8	0	0	0	-	100

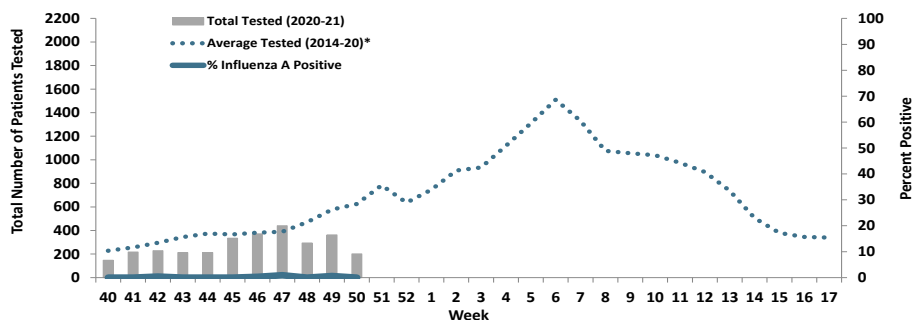
% Positive: Percentage of positive specimens reported during MMWR week 50, 2020/2021 season.

Baseline % Pos.: Percentage of positive specimens reported in MMWR week 50 during influenza seasons from September 2012 - May 2020.

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

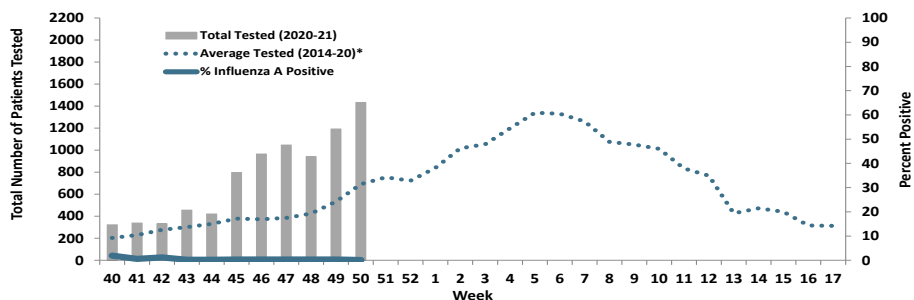
## Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2020-2021 as Compared to 2014-2020\*

### Regional Health Command - Atlantic (RHC-A)



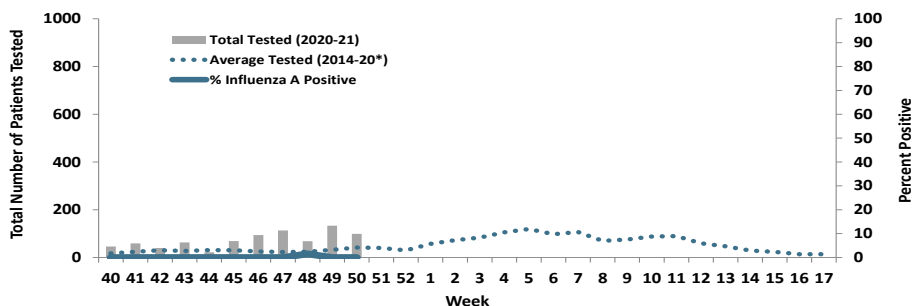
Week 50			
Age Group	AD	Non-AD	Season Total
< 18	0	0	0
18-29	0	0	2
30-39	0	0	1
40-49	0	0	2
50-59	0	0	1
60+	0	0	2
<b>Total</b>	<b>0</b>	<b>0</b>	<b>8</b>

### Regional Health Command - Central (RHC-C)



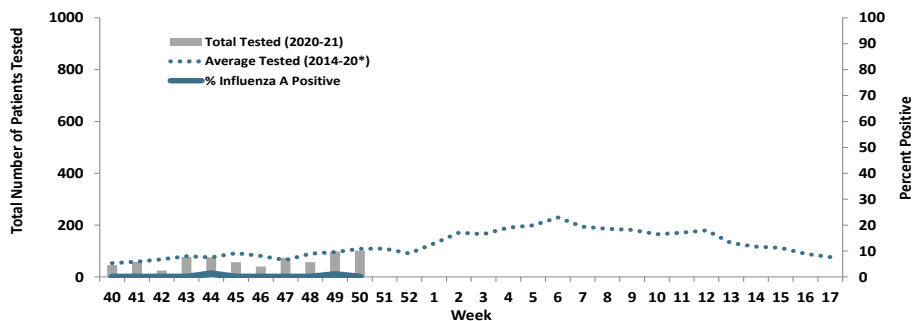
Week 50			
Age Group	AD	Non-AD	Season Total
< 18	0	0	7
18-29	0	0	11
30-39	0	0	8
40-49	1	0	3
50-59	0	0	2
60+	0	0	3
<b>Total</b>	<b>1</b>	<b>0</b>	<b>34</b>

### Regional Health Command - Europe (RHC-E)



Week 50			
Age Group	AD	Non-AD	Season Total
< 18	0	0	0
18-29	0	0	0
30-39	0	0	1
40-49	0	0	0
50-59	0	0	0
60+	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>

### Regional Health Command - Pacific (RHC-P)

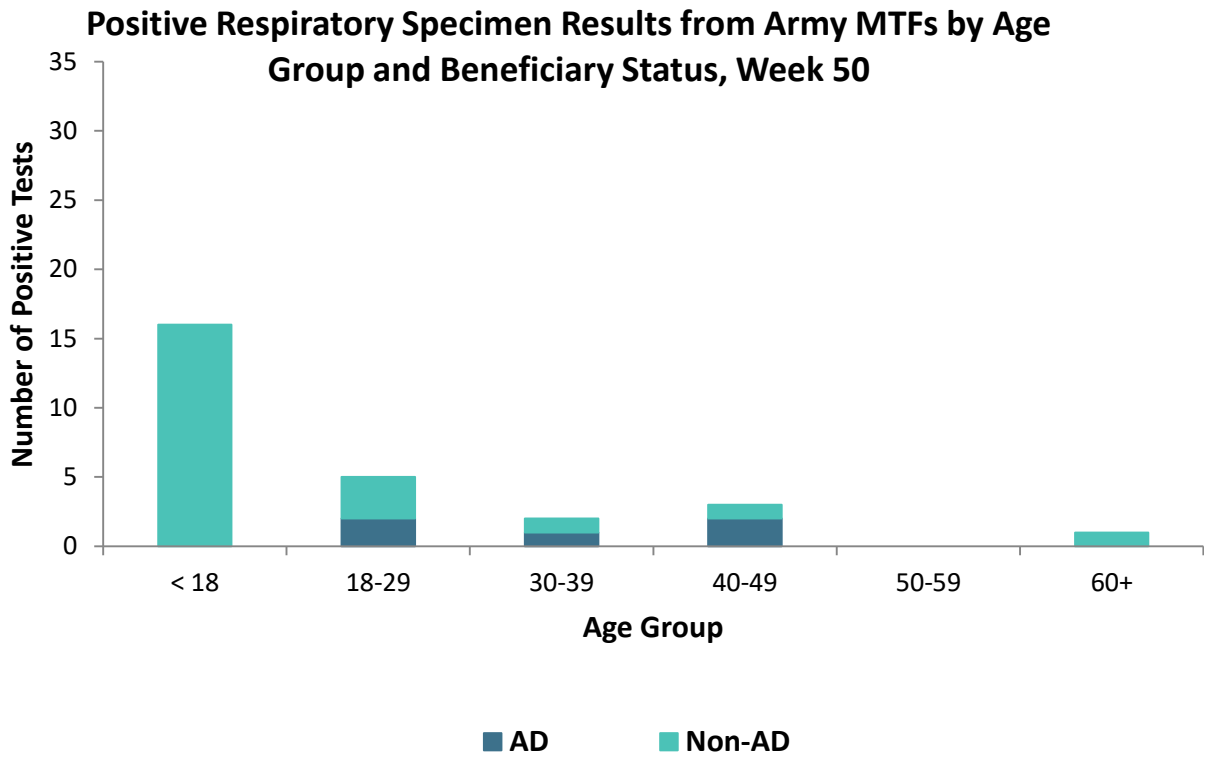


Week 50			
Age Group	AD	Non-AD	Season Total
< 18	0	0	2
18-29	0	0	0
30-39	0	0	0
40-49	0	0	0
50-59	0	0	0
60+	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>2</b>

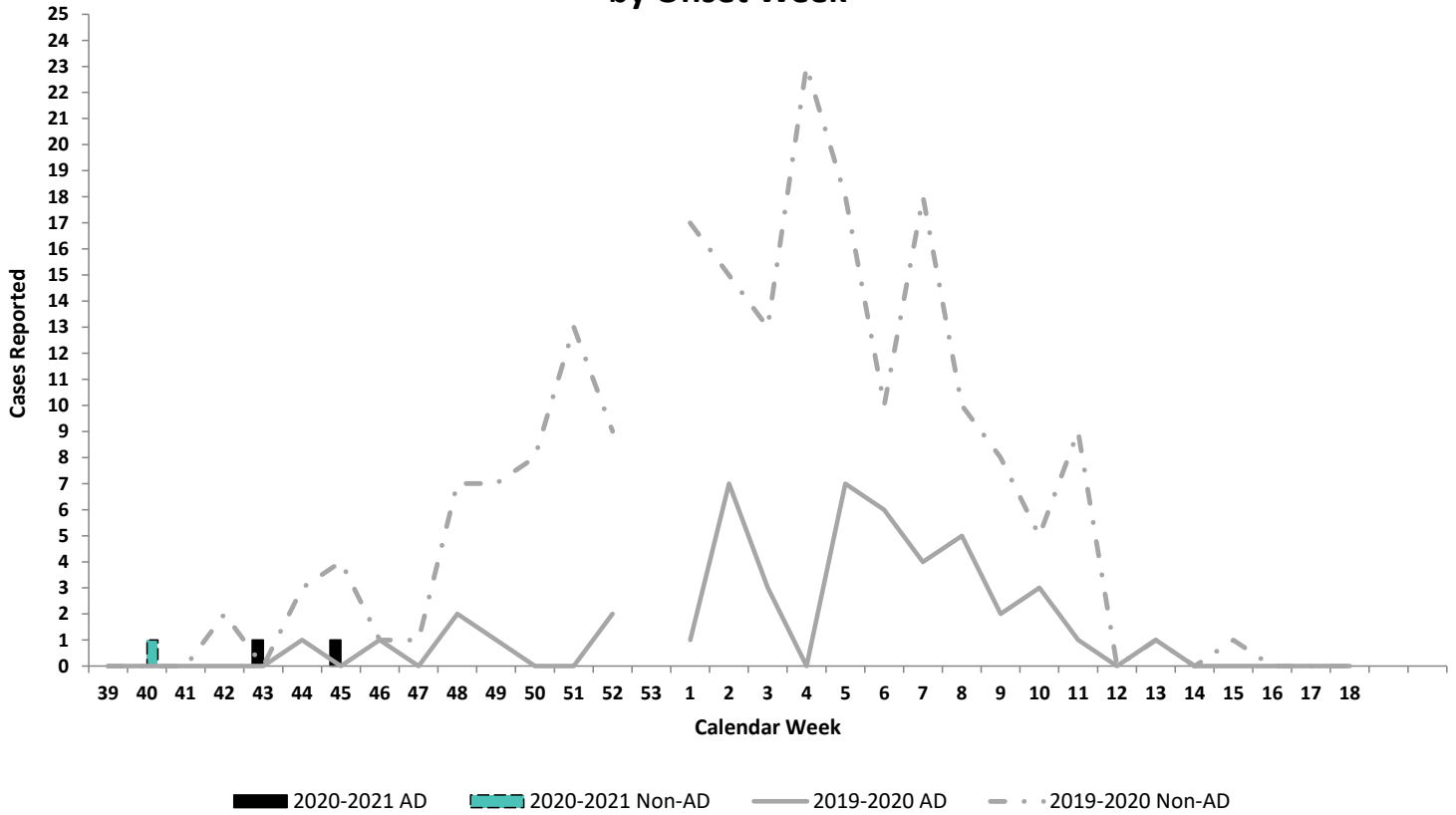
\*2014/2015 influenza season - 2019/2020 influenza season

### Number of Positive Influenza A Specimens by Region and Duty Status

Region	Week 43		Week 44		Week 45		Week 46		Week 47		Week 48		Week 49		Week 50	
	AD	NAD	AD	NAD	AD	NAD	AD	NAD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
RHC-A	0	0	0	0	0	0	0	1	0	4	0	0	1	1	0	0
RHC-C	1	0	1	0	0	2	1	2	1	2	1	2	2	1	1	0
RHC-E	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
RHC-P	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0



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

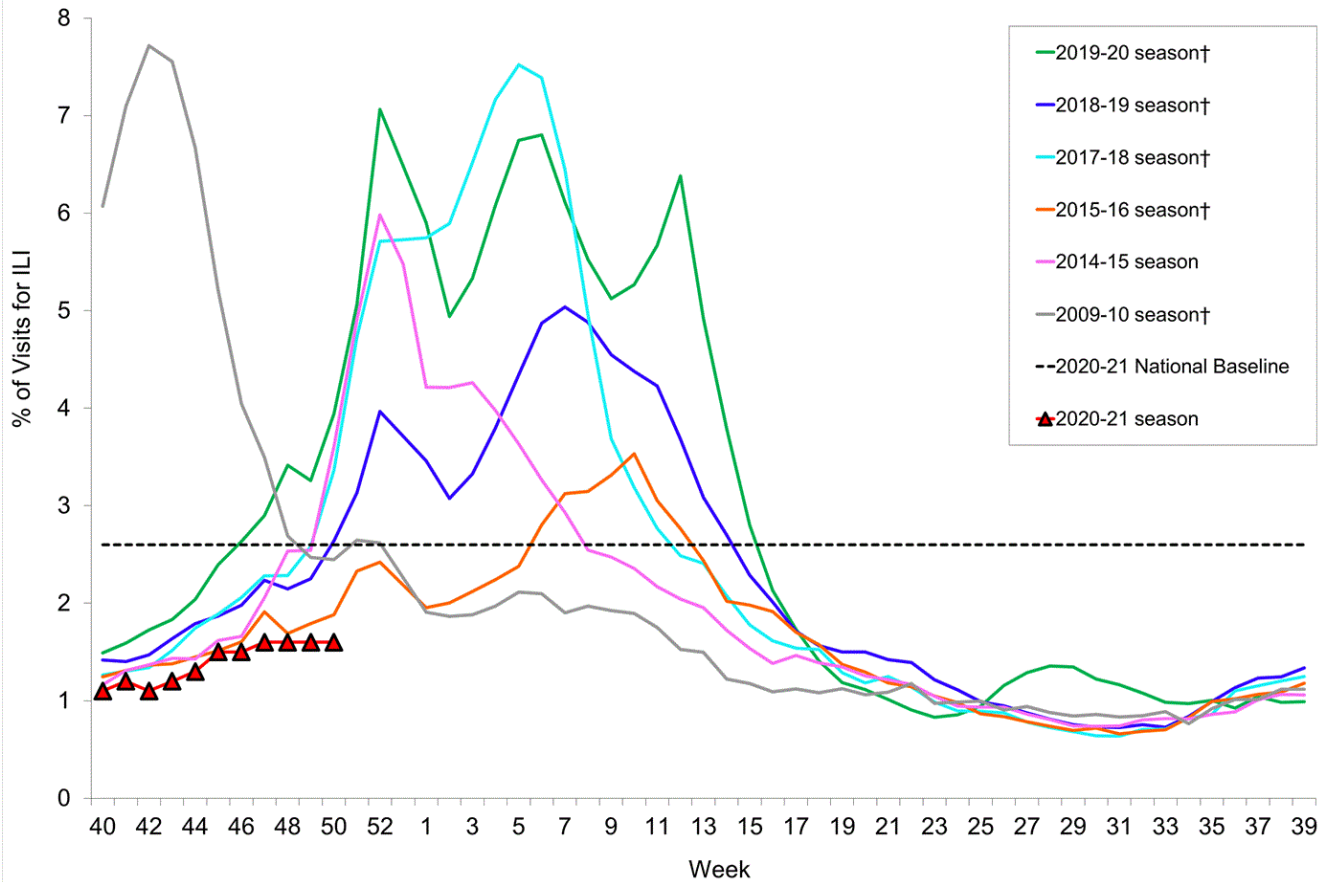


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Week ending 12 December 2020 (week 50)

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

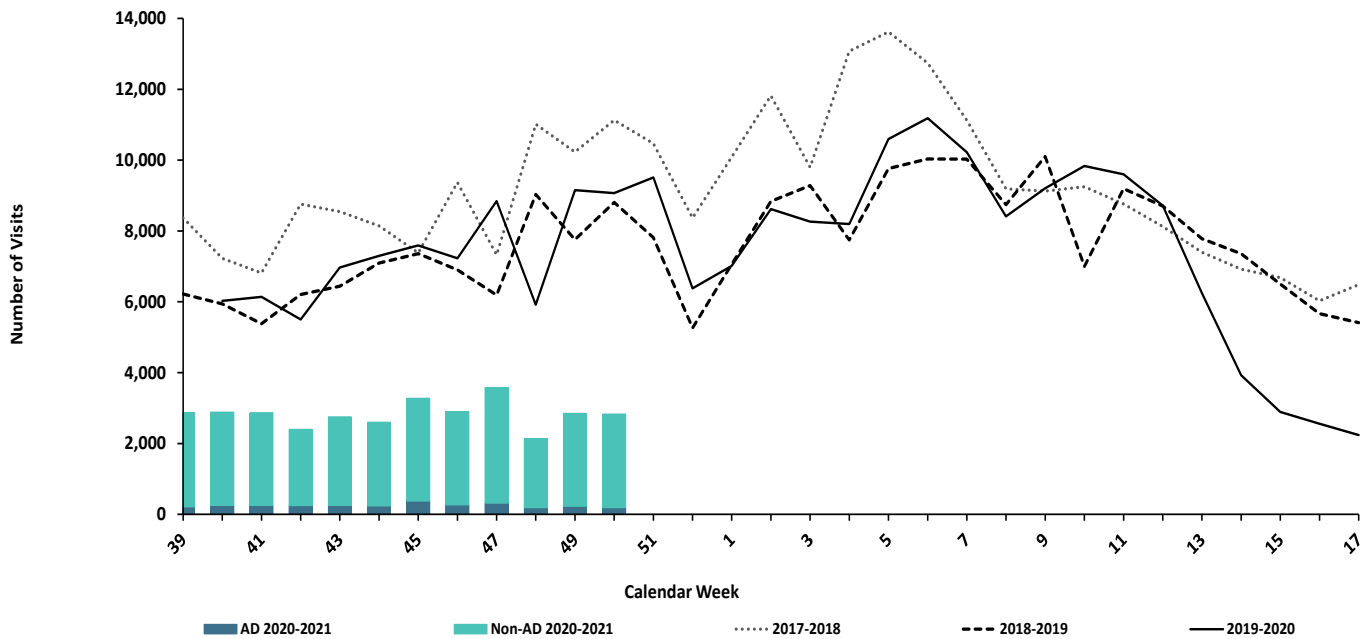


†These seasons did not have a week 53, so the week 53 value is an average of week 52 and week 1.





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



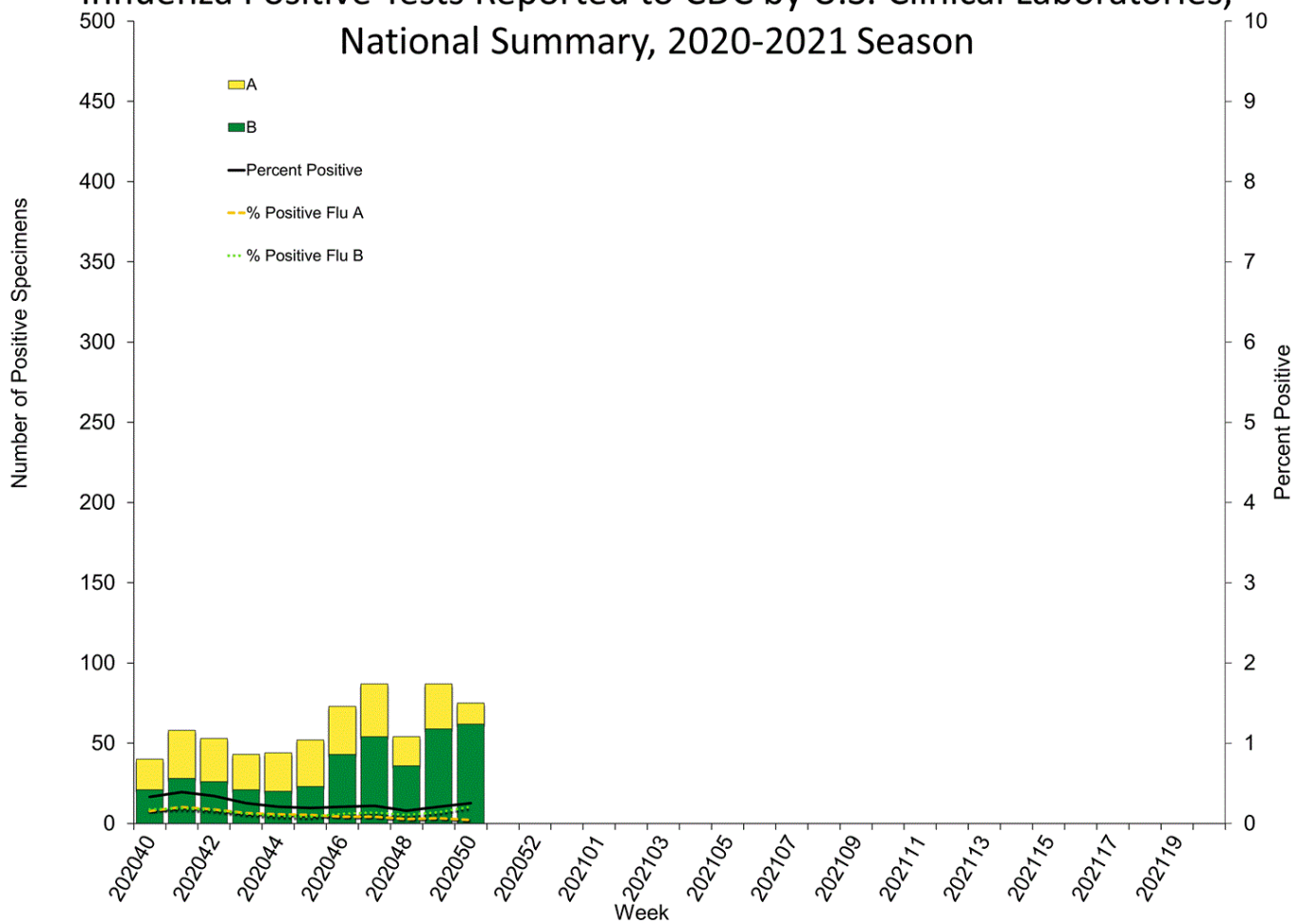


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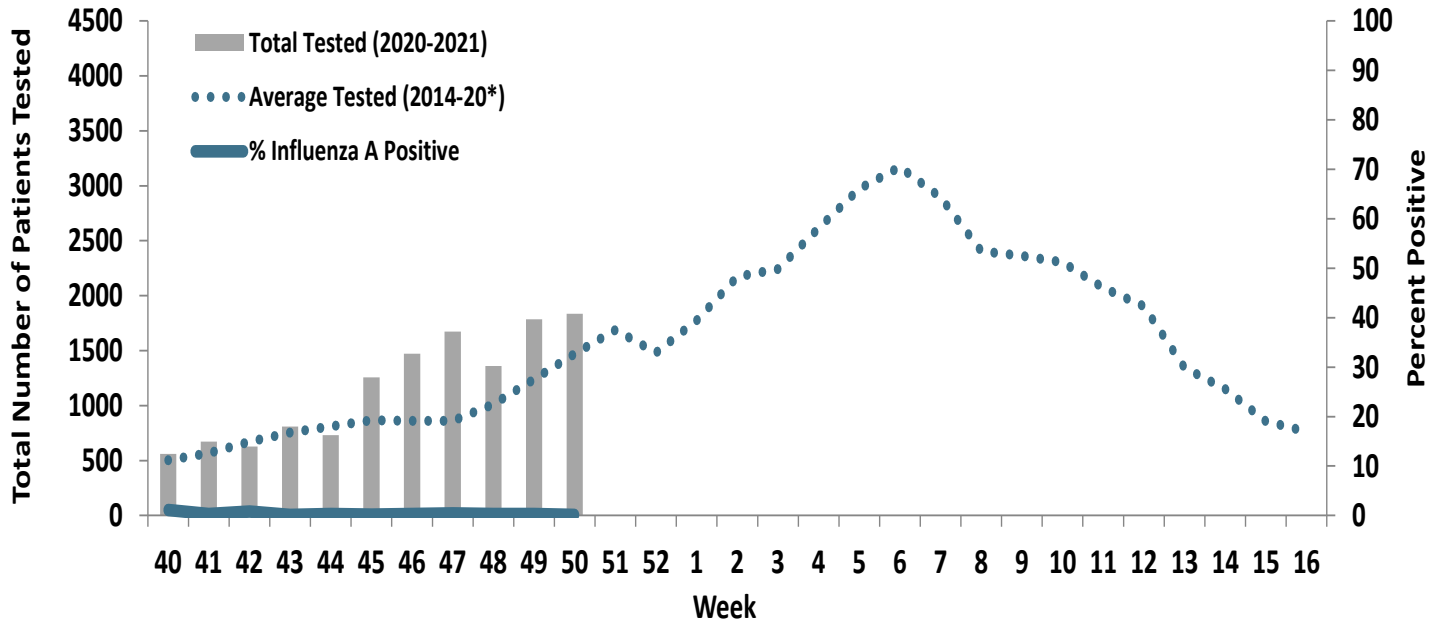
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## Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, 2020-2021 Season





Proportion of Positive Influenza A Specimens for U.S. Army 2020-2021



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