

U.S. Army Public Health Center

Army Influenza Activity Report

Week ending 9 January 2021 (week 1)

Influenza Vaccination Coverage*

As of 13 January 2021

83%	Army Active Duty
75%	Army Guard
83%	Army Reserve

*Data Source: MEDPROS

Click to enlarge images.

SUMMARY

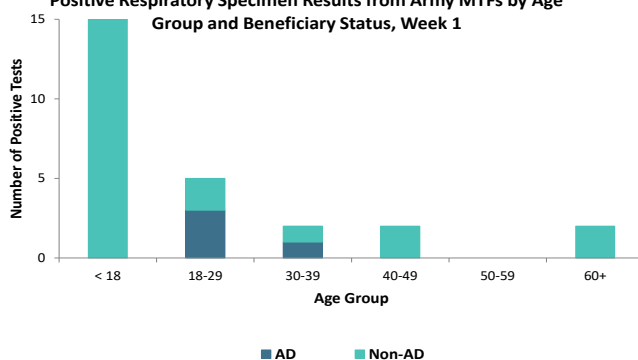
Influenza activity remains low in the Army population. The proportion of positive influenza A specimens for the Army in week 1 is 0.2%, which is significantly lower than that of the 2019-2020 season (18.6%) for the same time period. No hospitalizations were reported in week 1; the season total thus far is three compared to 80 influenza-associated hospitalizations reported as of this time last season. Nationwide, influenza activity is low with 0.4% of specimens tested by clinical laboratories being positive for influenza. Although flu activity is lower than usual, flu vaccines are still recommended.

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 1

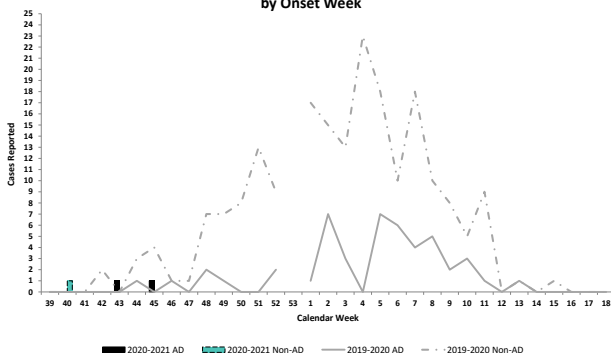


AD: Four positive respiratory specimens were collected from active duty (AD) Service members during week 1; they were collected from individuals in the 18-29 (n=3) and 30-39 (n=1) age groups.

Non-AD: Twenty-two positive respiratory specimens were collected from non-AD individuals during week 1; 68% (n=16) were from those under 18 years of age.

INFLUENZA-ASSOCIATED HOSPITALIZATIONS

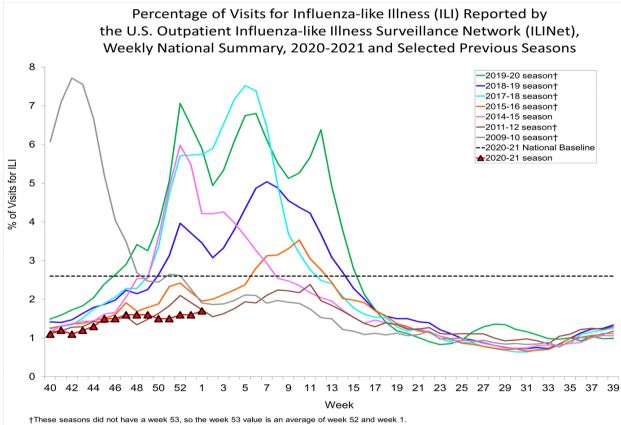
Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week



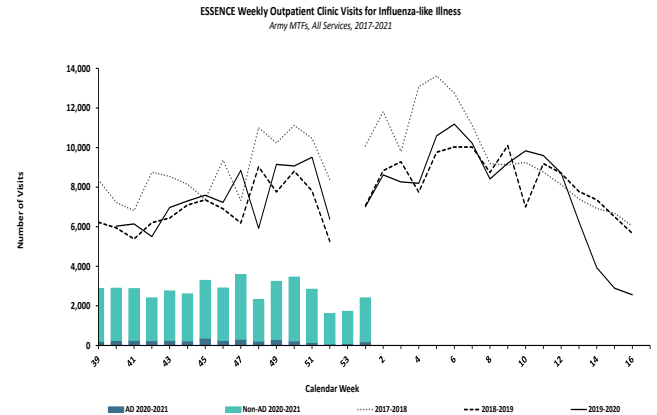
No influenza-associated hospitalizations with onset dates in week 1 were reported to the Disease Reporting System internet (DRSi); three hospitalizations have been reported for the entire season thus far. During the 2019-2020 season, 18 hospitalizations were reported in week 1 (with 80 hospitalizations reported from start of the season through week 1).

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

ILI ACTIVITY - UNITED STATES

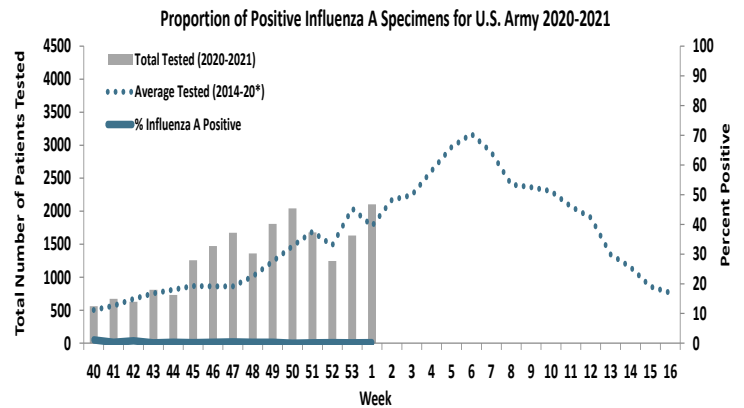
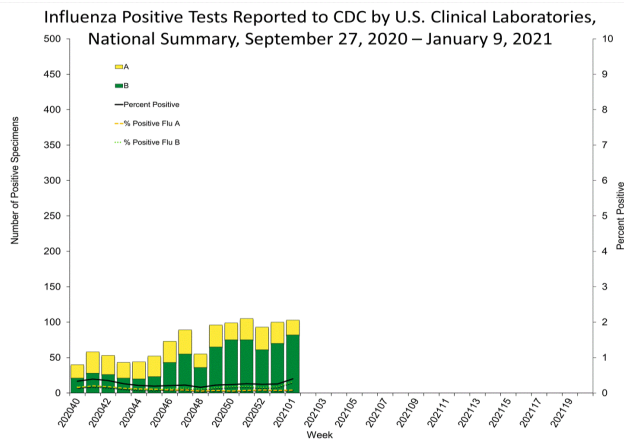


ILI ACTIVITY - ARMY



Nationwide in week 1, incident ILI activity was 1.7%; this is below the national baseline of 2.6%. At Army medical treatment facilities, incident ILI activity increased by 49% from week 53 to week 1. The majority of ILI encounters (92%) occurred among non-AD patients in week 1.

LABORATORY RESPIRATORY SPECIMEN TESTING



Nationwide during week 1, a total of 25,817 specimens were tested for influenza by select clinical laboratories and submitted to CDC; 103 (0.4%) were positive. Influenza B accounted for 79.6% of the total positive specimens. In the Army population, 0.2% of 2,103 specimens tested for influenza A were positive in week 1.

		Week 51	Week 52	Week 53	Week 1	Season Total
Army MTF Laboratory Results, 2020-21	Influenza A	2	2	2	4	55
	Influenza B	3	2	3	3	59
	Adenovirus	8	5	1	1	51
	Enterovirus	28	11	18	17	197
	Parainfluenza	2	0	0	0	7
	RSV	4	2	0	1	30
	Negative	3,612	2,773	3,565	4,321	46,963
	Total	3,659	2,795	3,589	4,347	47,362

Of the 4,347 specimens tested in week 1, 1% (n=26) were positive for any type of respiratory illness. Rhinovirus/enterovirus accounted for 65% (n=17) of positive specimens, influenza A for 15% (n=4), influenza B for 12% (n=3), and adenovirus and respiratory syncytial virus (RSV) each accounted for 4% (n=1).

Additionally, the reported number of specimens tested increased by 21% since week 53 (n=4,216).

Locations providing week 1 laboratory data as of 13 January 2021: Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Huachuca, Ft Irwin, Ft Jackson, Ft Knox, Ft Leavenworth, Ft Lee, Ft Lewis, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Korea, Redstone Arsenal, Tripler Army Medical Center, and the U.S. Military Academy.

LABORATORY RESPIRATORY SPECIMEN TESTING DURING WEEK 1

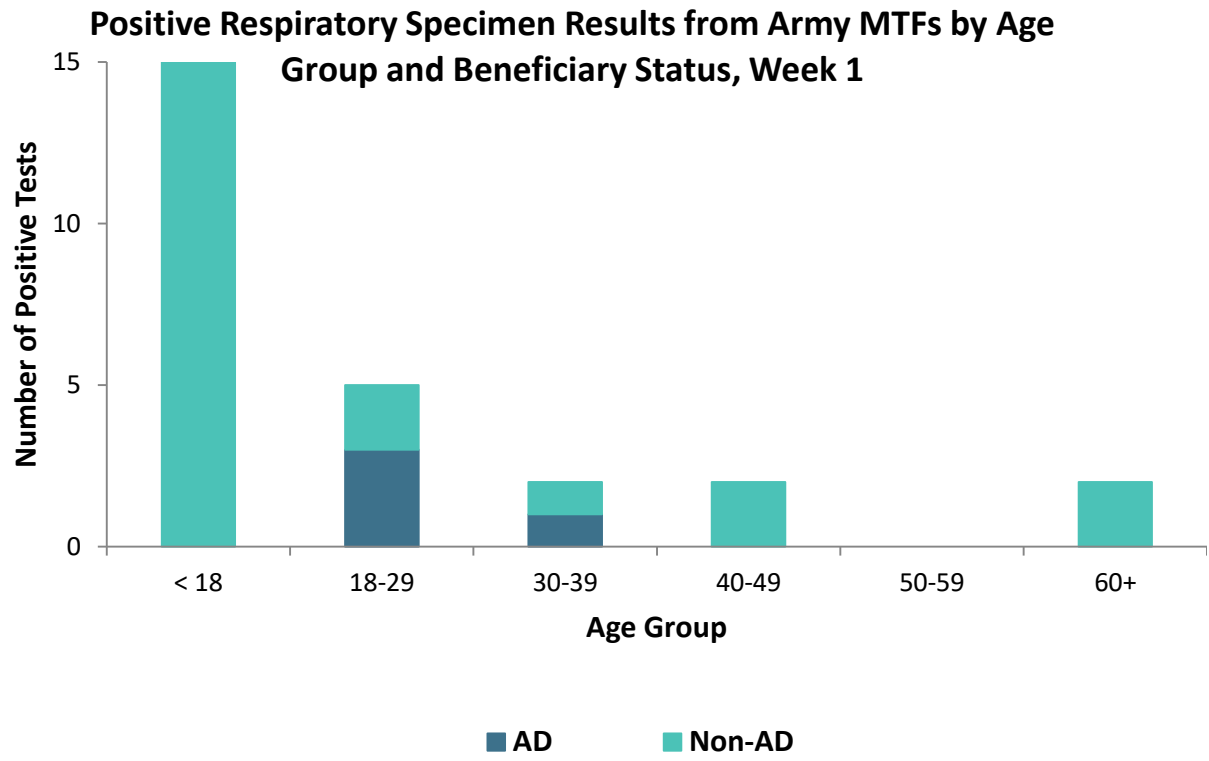
Region	Installation	Influenza A		Influenza B		Adenovirus	
		% Positive	Baseline % Positive	% Positive	Baseline % Positive	% Positive	Baseline % Positive
RHCA	Ft. Belvoir		12.3		29.7		3.3
	Ft. Benning	0	20.5	0	12.2		
	Ft. Bragg	0	26.3	0	100		
	Ft. Campbell	6.7	10	3.3	7.7		100
	Ft. Drum	0	0	0	100		100
	Ft. Gordon	0	8.4	0	6.6		100
	Ft. Jackson	0	18.9	0	6.7		
	Ft. Rucker	0	14.3	1.7	11.1		
	Ft. Stewart	0	9.8	0	6.9		100
	U.S. Military Academy	0	20.7	0	23.1		100
RHCC	Ft. Bliss	1.5	9.7	0.8	22.1		3.4
	Ft. Carson	0	7.2		100		
	Ft. Hood	0	3.3	0	0	0	0
	Ft. Irwin	0	5.1	0	10.3		
	Ft. Leavenworth	0	33.3	0	3.7		
	Ft. Polk	0	27.3	0	100		
	Ft. Riley	0	4.2	0	0		
	Ft. Sam Houston	0	22.6	0	19.5		100
	Ft. Sill	0	12.9	0	100		
RHCP	Ft. Wainwright	0	23.6	0	15.1		
	Korea	0	35.1	0	4.5	0	4.5
	Tripler Army Medical Center	0	22.3	0	8.7	2	0

Region	Installation	Enterovirus		Parainfluenza		Respiratory Syncytial Virus	
		% Positive	Baseline % Pos.	% Positive	Baseline % Pos.	% Positive	Baseline % Pos.
RHCA	Ft. Gordon				100	0	100
	Ft. Stewart					0	16.7
RHCC	Ft. Bliss					0	12.5
	Ft. Carson					0	31.8
	Ft. Hood	20		0	4	0	0
	Ft. Riley					0	23.1
RHCP	Korea		0	0	4.5	0	8.3
	Tripler Army Medical Center	32	0	0	0		100

% Positive: Percentage of positive specimens reported during MMWR week 1, 2020/2021 season.

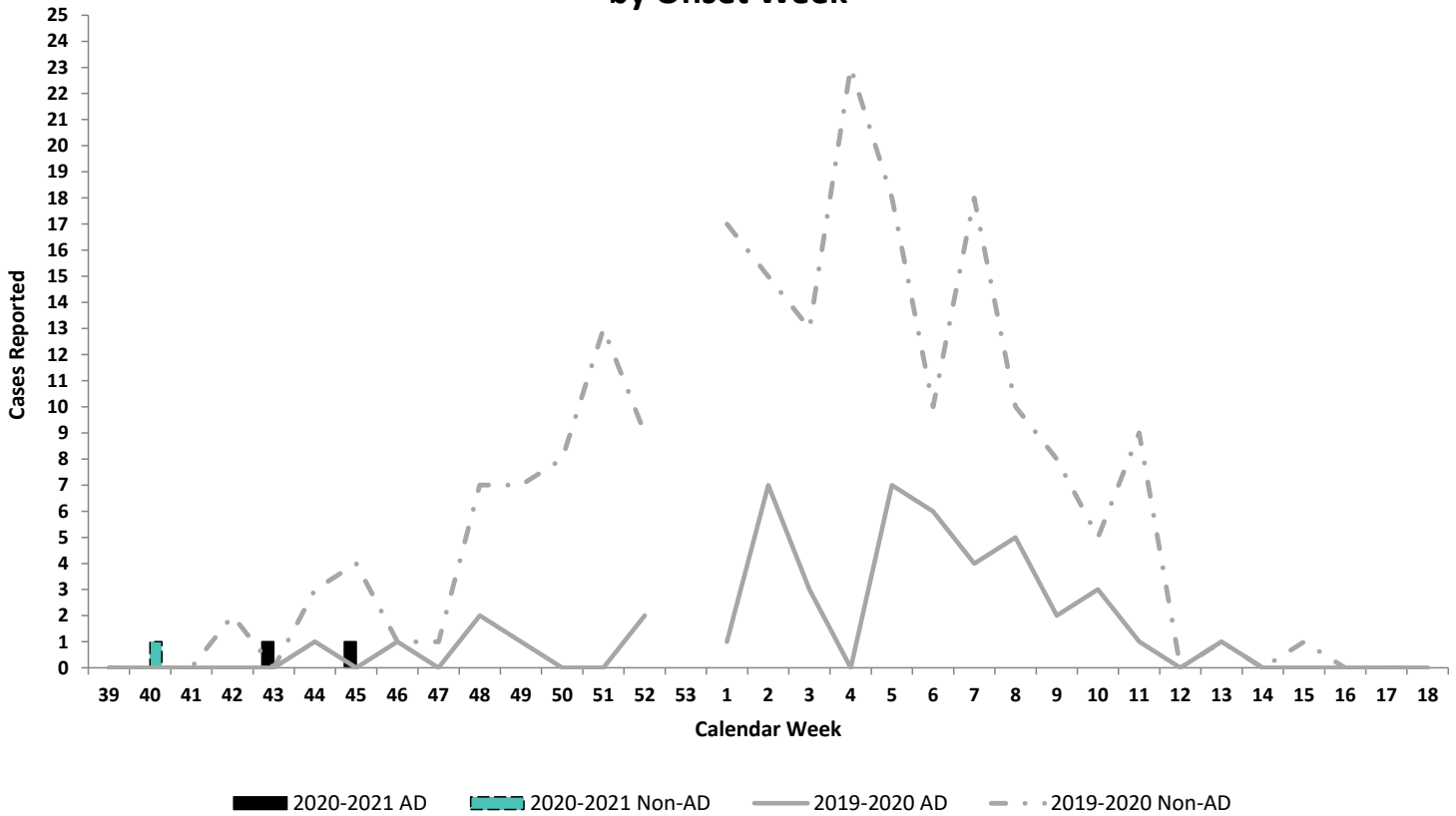
Baseline % Pos.: Percentage of positive specimens reported in MMWR week 1 during influenza seasons from September 2012 - May 2020.

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

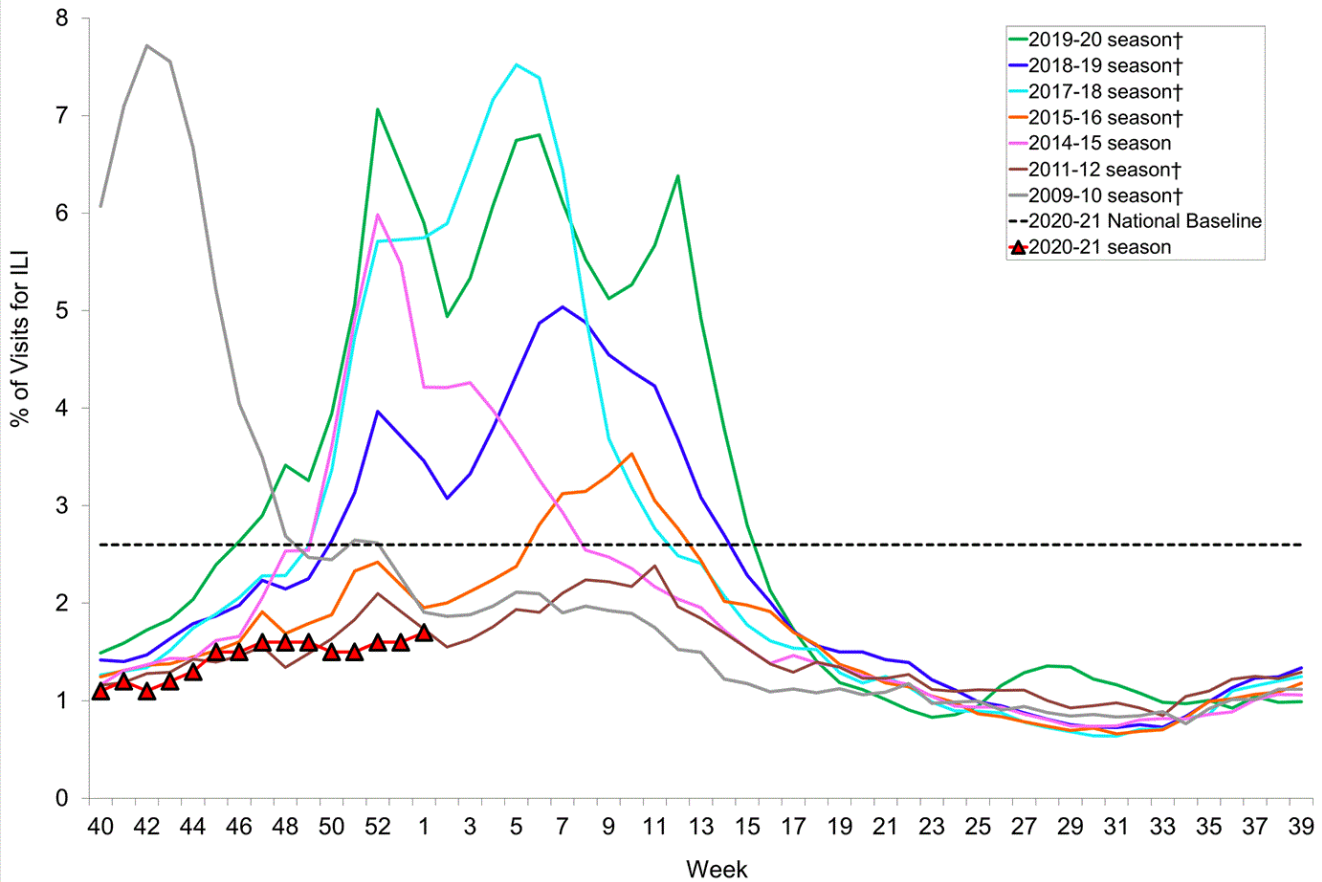


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Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2020-2021 and Selected Previous Seasons

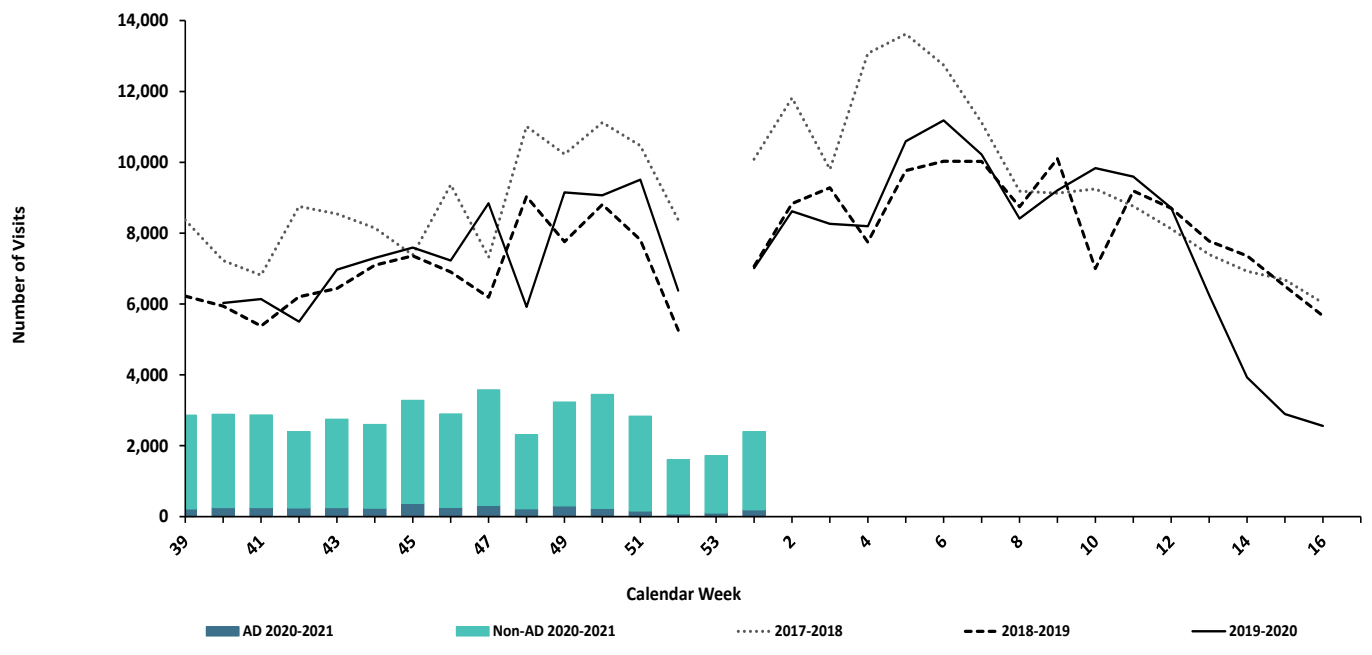


†These seasons did not have a week 53, so the week 53 value is an average of week 52 and week 1.

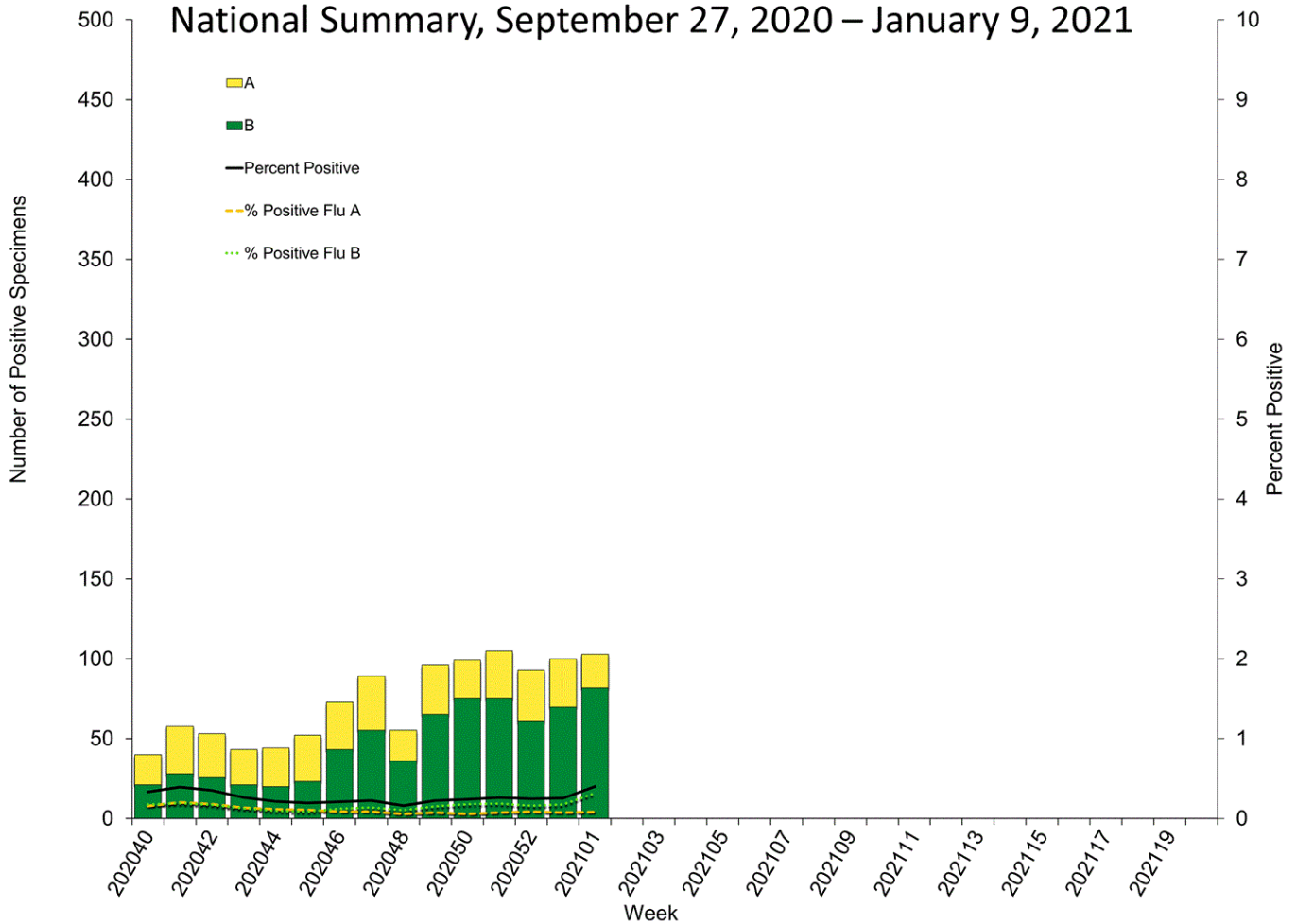
Source: Centers for Disease Control and Prevention (CDC)



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



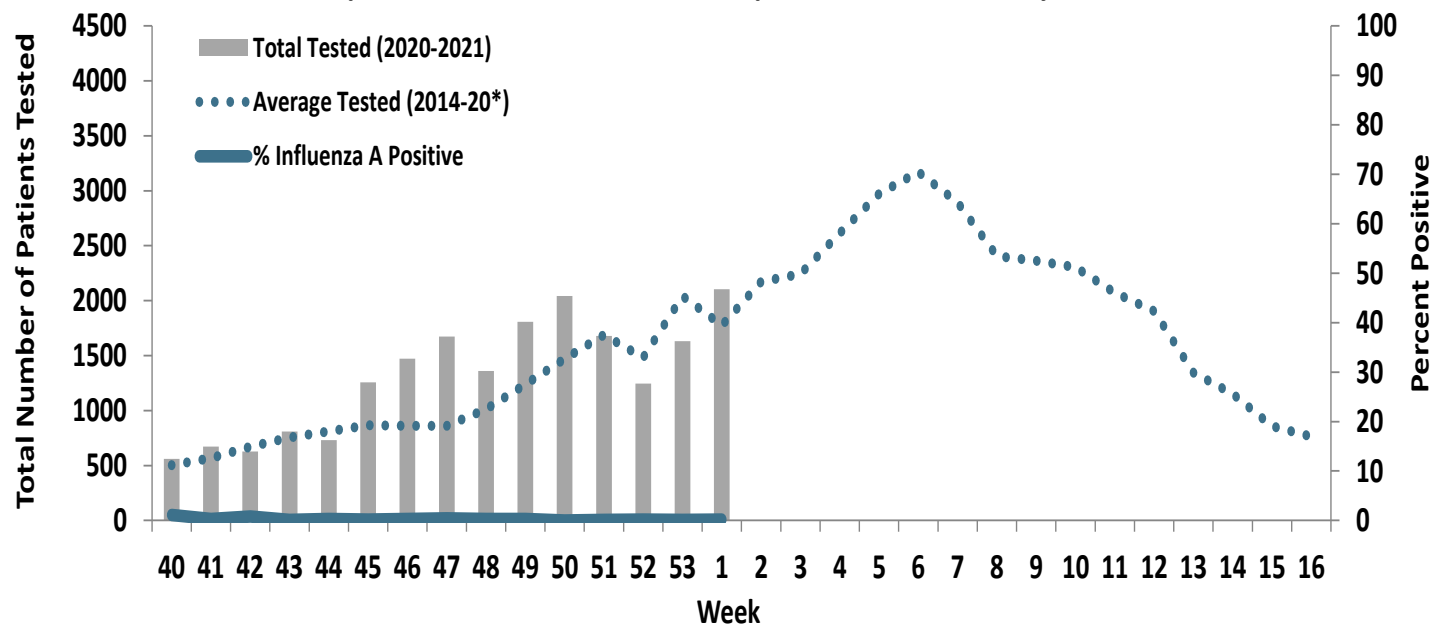
Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, September 27, 2020 – January 9, 2021



Source: Centers for Disease Control and Prevention (CDC)



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



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