

U.S. Army Public Health Center

Army Influenza Activity Report

Week ending 28 November 2020 (week 48)

Influenza Vaccination Coverage*

As of 3 December 2020

62%	Army Active Duty
57%	Army Guard
73%	Army Reserve

*Data Source: MEDPROS

Click to enlarge images.

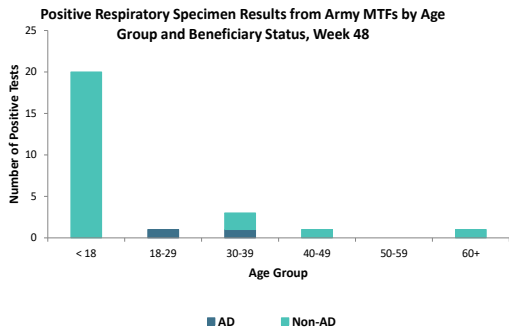
SUMMARY

Flu activity remains low in the Army population. The proportion of positive influenza A specimens for the Army in week 48 is 0.2%, which is significantly lower than that of the 2019-2020 season (6.2%) 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 48; the season total thus far is three compared to 22 influenza-related hospitalizations reported as of this time last season. Nationwide, influenza activity is low with 0.1% of specimens tested by clinical laboratories being positive for influenza A. Individuals should continue to practice social distancing, wear cloth face coverings, and wash hands to reduce spread of respiratory illnesses.

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](#).

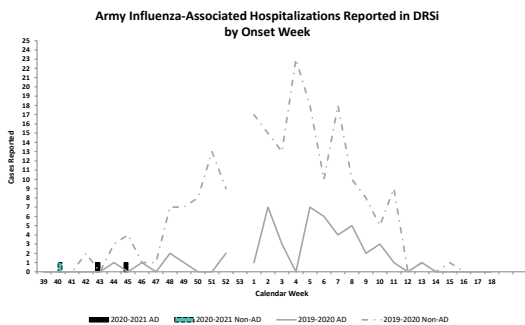
DEMOGRAPHICS



AD: Two positive respiratory specimens were collected from active duty (AD) Service members in week 48; they were collected from individuals in the 18-29 and 30-39 age groups.

Non-AD: Twenty-four positive respiratory specimens were collected from non-AD individuals; 83% (n=20) were from those under 18 years of age.

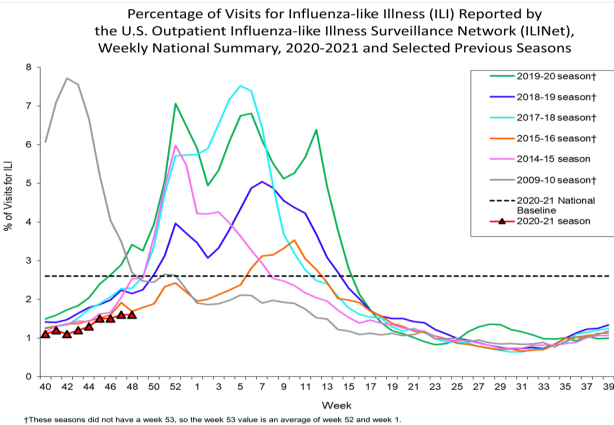
INFLUENZA-ASSOCIATED HOSPITALIZATIONS



No influenza-associated hospitalizations were reported to the Disease Reporting System internet (DRSi) in week 48; three hospitalizations have been reported for the entire season thus far. During the 2019-2020 season, nine hospitalizations were reported in week 48 (with 22 hospitalizations reported from start of the season through week 48).

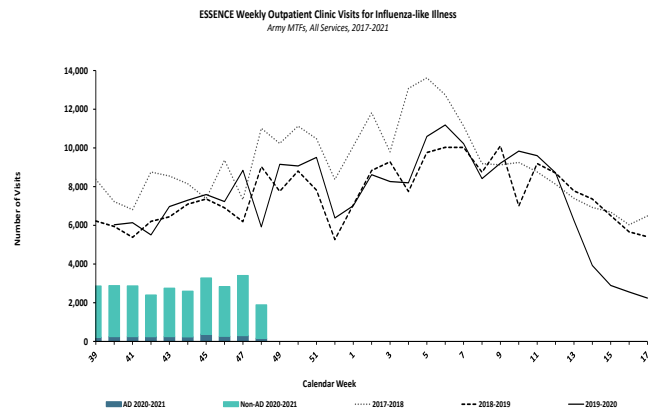
*DRSi does not capture cases older than 65 years old for influenza-associated hospitalizations.

ILI ACTIVITY - UNITED STATES

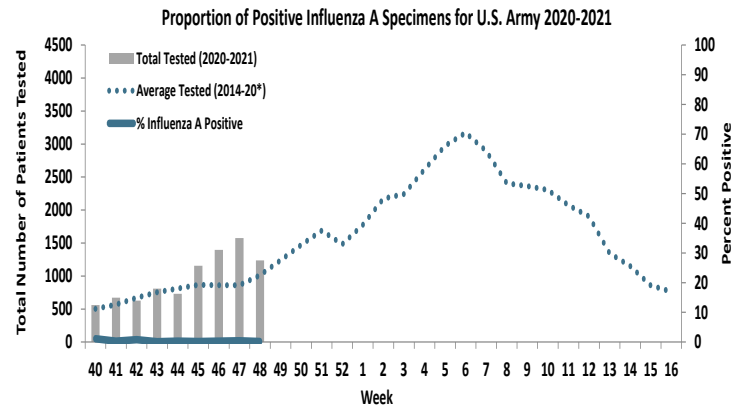
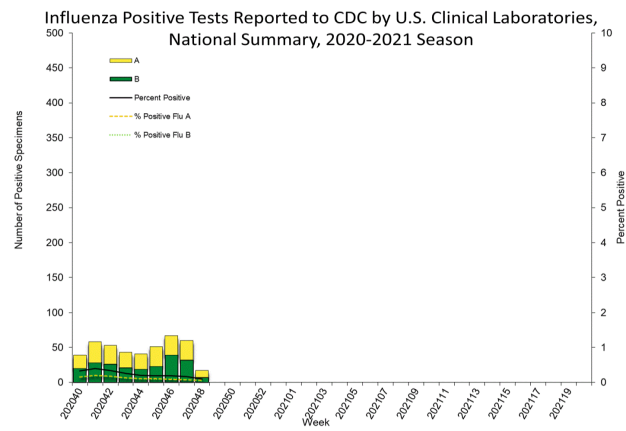


Nationwide in week 48, incident ILI activity was 1.6%; this is below the national baseline of 2.6% (Source: CDC). At Army medical treatment facilities, incident ILI activity decreased by 44% from week 47 to week 48. The majority of ILI encounters (93%) were from non-AD patients in week 48.

ILI ACTIVITY - ARMY



LABORATORY RESPIRATORY SPECIMEN TESTING



Nationwide during week 48, a total of 17,104 specimens were tested for influenza by clinical laboratories and submitted to CDC, of which 17(0.1%) were positive; influenza A accounted for 59% of the total positive specimens (Source: CDC). In the Army population, 0.2% of 1,236 specimens tested for influenza A were positive in week 48. Two (67%) of the positive influenza A specimens were from non-AD individuals; RHC-C reported all positive influenza A specimens.

		Week 45	Week 46	Week 47	Week 48	Season Total
Army MTF Laboratory Results, 2020-21	Influenza A	2	4	6	3	36
	Influenza B	1	1	4	2	32
	Adenovirus	2	2	5	1	33
	Enterovirus	3	12	19	18	74
	Parainfluenza	0	0	3	0	5
	RSV	0	2	4	2	21
	Negative	2,662	3,301	3,778	2,827	23,055
	Total	2,670	3,322	3,819	2,853	23,256

Of the 2,853 specimens tested in week 48, less than 1% (n=26) were positive for any type of respiratory illness. Rhinovirus/enterovirus accounted for 69% (n=18) of positive specimens, influenza A for 12% (n=3), influenza B and respiratory syncytial virus (RSV) each accounted for 8% (n=2), and adenovirus accounted for 4% (n=1).

Additionally, the reported number of specimens tested decreased by 25% since week 47 (n=3,819).

Locations providing week 48 laboratory data as of 2 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 Irwin, Ft Jackson, Ft Knox, Ft Leavenworth, Ft Lee, Ft Leonard Wood, 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

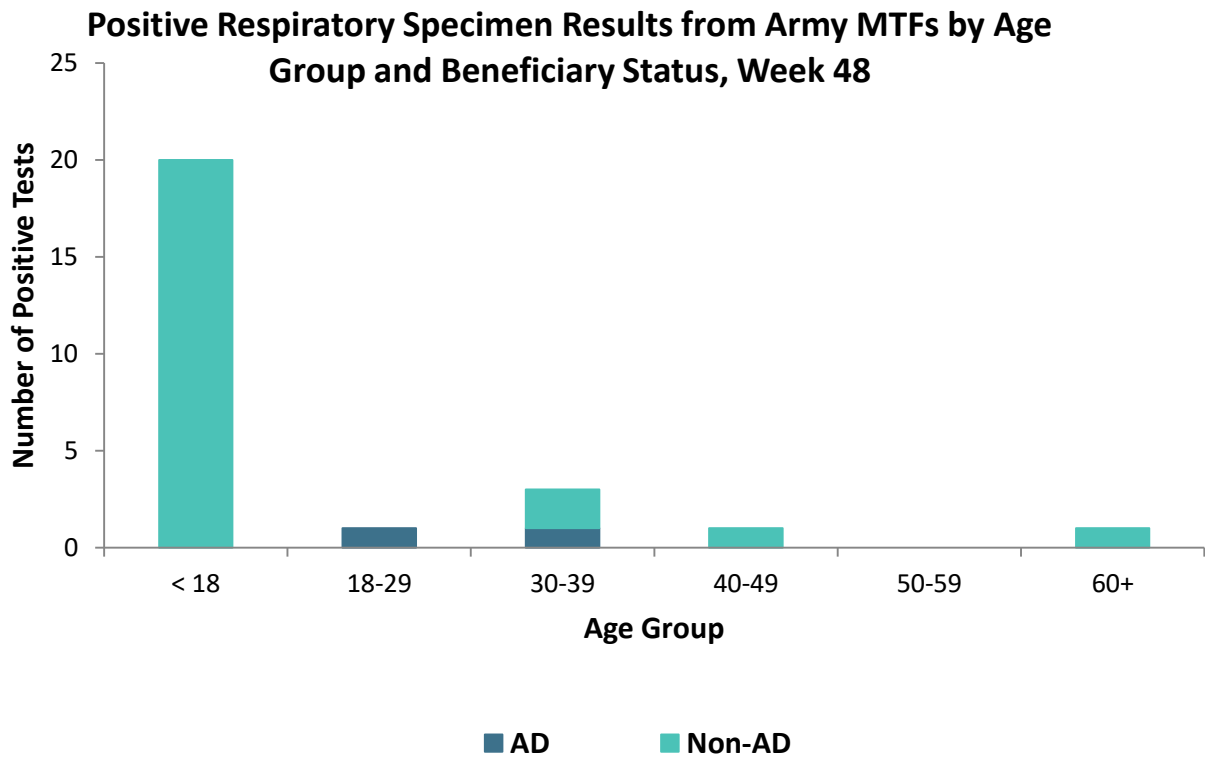
Region	Installation	Influenza A			Influenza B			Adenovirus		
		No. Tested	% Positive	Baseline % Positive	No. Tested	% Positive	Baseline % Positive	No. Tested	% Positive	Baseline % Positive
RHCA	Ft. Belvoir	62	0	1.5	62	0	90	40	0	0
	Ft. Benning	37	0	0.9	37	0	6.5			
	Ft. Bragg	8	0	0	8	0	100			
	Ft. Campbell	26	0	4.4	26	0	6.7			100
	Ft. Drum	5	0	0	5	0	100			
	Ft. Eustis	7	0	9.1	7	0	100			
	Ft. Gordon	29	0	2.4	29	0	22.4			100
	Ft. Jackson	11	0	0	11	0	0			
	Ft. Knox	1	0	0	1	0	0			
	Ft. Lee	4	0	0	4	0	100			
	Ft. Meade	3	0	0	3	0				
	Ft. Rucker	19	0	0	19	0	14.3			
	Ft. Stewart	18	0	0	18	0	4.1			
	Redstone Arsenal	8	0	0	8	0	0			
U.S. Military Academy	5	0	33.3	5	0	0				
RHCC	Ft. Bliss	94	0	1.6	93	0	9.1			8.3
	Ft. Carson	78	0	10.8	9	0				
	Ft. Hood	53	0	0.5	53	0	26.1	9	0	0
	Ft. Huachuca	12	16.7	0	13	0	16.7			
	Ft. Irwin	8	0	0	8	0	36.4			
	Ft. Leavenworth	2	0	15.4	2	0	15.4			
	Ft. Leonard Wood	77	1.3	2.4	77	0	0			
	Ft. Polk	40	0	3.2	40	5	100			
	Ft. Riley	37	0	0	37	0	0			
Ft. Sam Houston	501	0	14.6	501	0	0			100	
RHCE	Landstuhl Regional Medical Center	59	0	0	59	0	0	59	1.7	0
RHCP	Ft. Wainwright	10	0	0	10	0	15			
	Korea	34	0	15	34	0	0			11.8
	Tripler Army Medical Center	38	0	5.6	38	0	1.8	37	0	0
Region	Installation	Enterovirus			Parainfluenza			RSV		
		No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.
RHCA	Ft. Belvoir				40	0	0	62	0	33.3
	Ft. Gordon						100	3	0	100
	Ft. Stewart							2	0	30.4
RHCC	Ft. Bliss							4	0	12.9
	Ft. Carson							6	0	5
	Ft. Hood	9	44.4		9	0		13	0	35.5
	Ft. Leavenworth									100
	Ft. Polk							4	0	0
	Ft. Riley							5	40	0
	Ft. Sill									0
RHCE	Landstuhl Regional Medical Center				59	0	7.7	59	0	7.7
RHCP	Ft. Wainwright							7	0	5
	Tripler Army Medical Center	38	36.8	2.4	38	0	0			100

No. Tested: Number of specimens tested during MMWR week 48, 2020/2021 season.

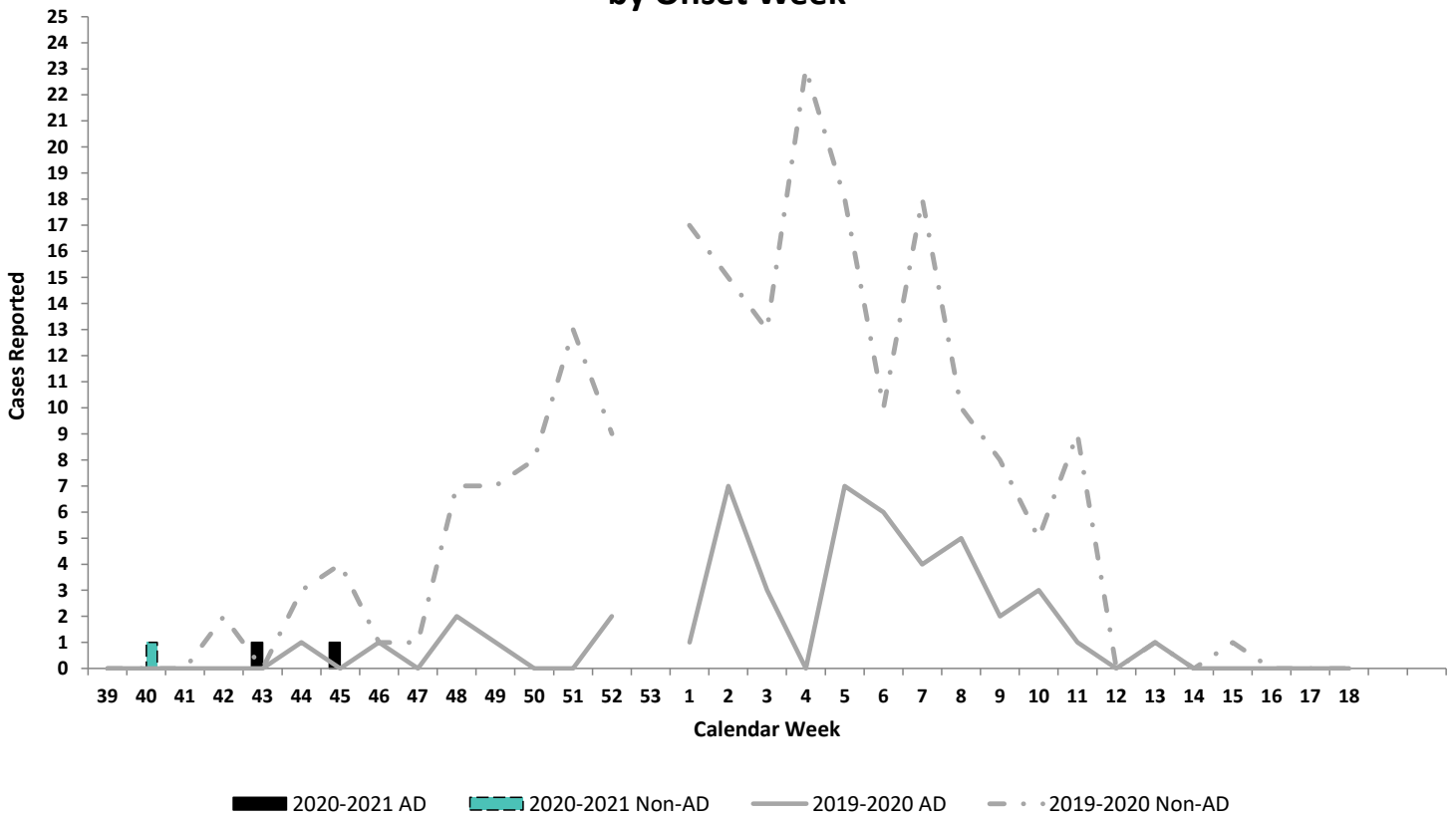
% Positive: Percentage of positive specimens reported during MMWR week 48, 2020/2021 season.

Baseline % Pos.: Percentage of positive specimens reported in MMWR week 48 during influenza seasons from September 2012 - May 2020.

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



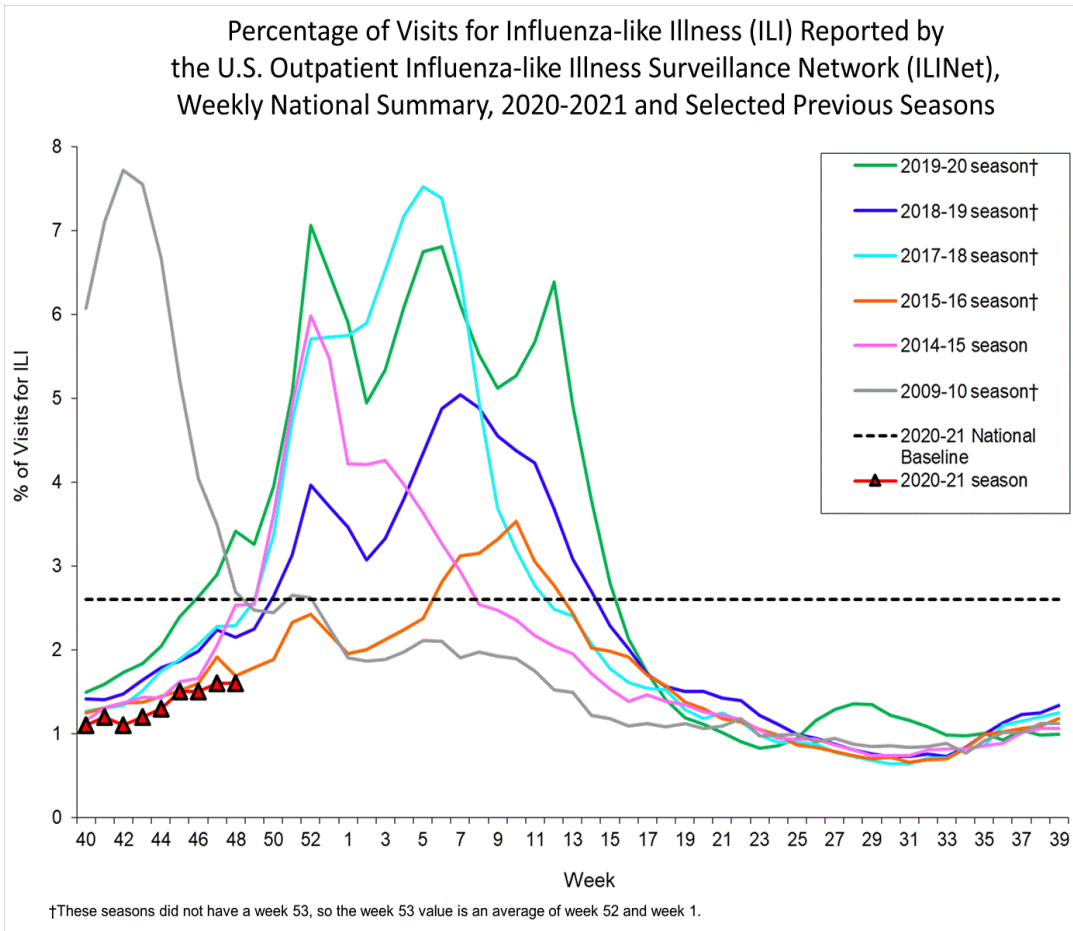
Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week



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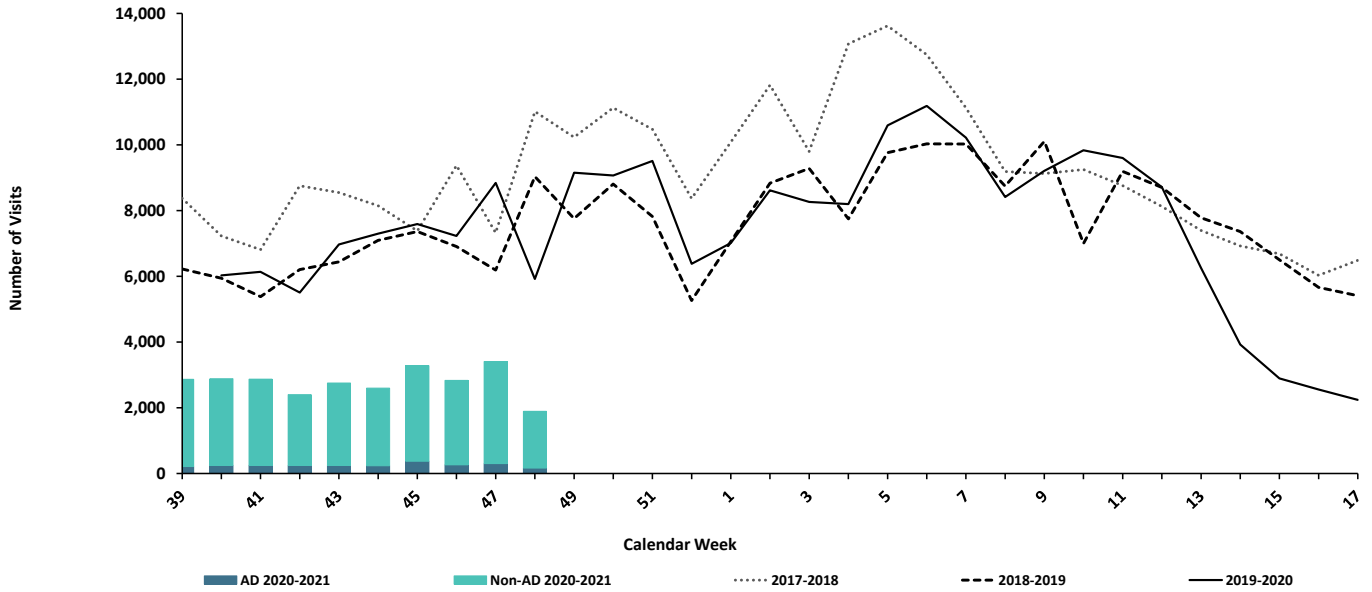
Source: Centers for Disease Control and Prevention

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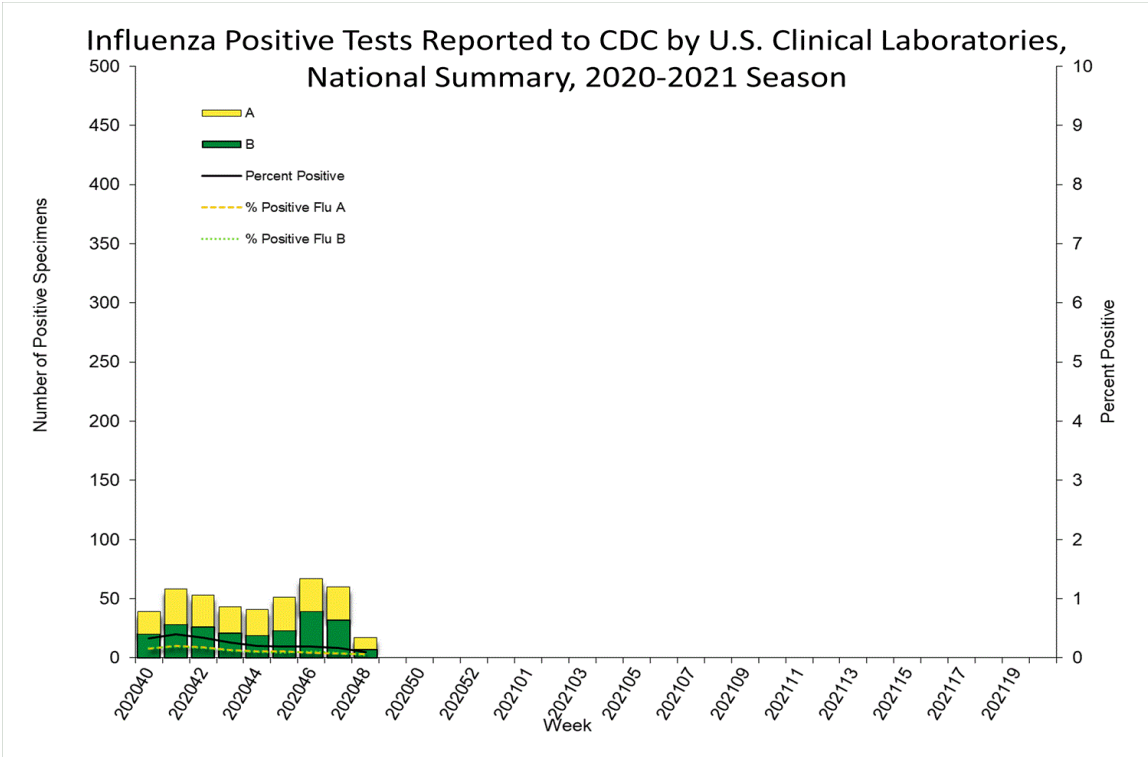
ESSENCE Weekly Outpatient Clinic Visits for Influenza-like Illness
Army MTFs, All Services, 2017-2021



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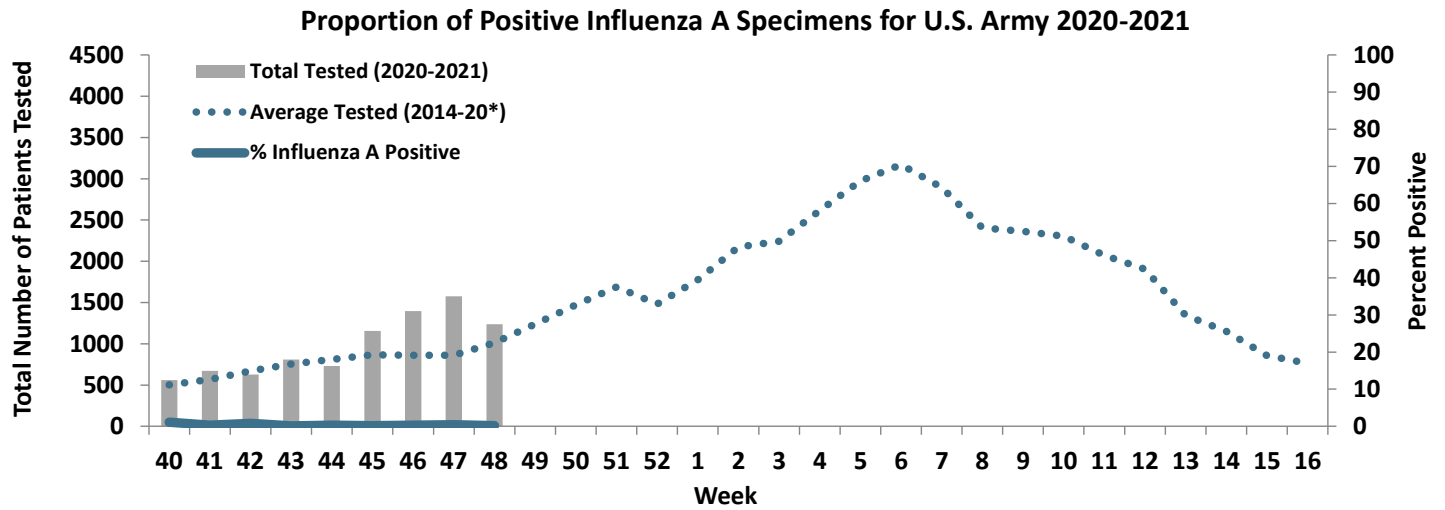


Source: Centers for Disease Control and Prevention

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