

U.S. Army Public Health Center

Army Influenza Activity Report

Week ending 30 November 2019 (week 48)

Influenza Vaccination Coverage*

As of 05 November 2019

N/A	DoD
69%	Army Active Duty
57%	Army Guard
66%	Army Reserve

*Data Source: MEDPROS, ASIMS, MRRS

SUMMARY

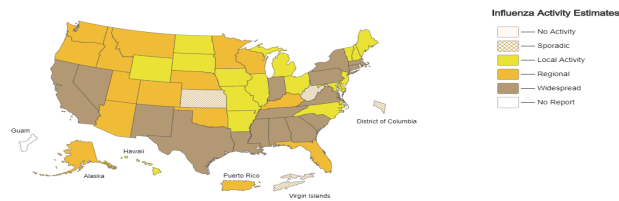
Flu activity currently remains low in the Army population. A significant decrease (14.8%) in the number of positive respiratory specimens when compared to the previous week was noted; There were 213 positive specimens in week 48 and 250 in week 47. Data from all regional health command were not received. About 4.2% of 869 specimens tested for influenza A were positive. The majority of the influenza A-positive specimens are reported from RHC-A (n=9[34%]) and RHC-C (n=13[50%]). No hospitalizations were reported in week 48, bringing the season total to thirteen. Out of the 1,914 clinical specimens tested, 11.1% were positive. Influenza A and B accounted for 12.2% and 58.6%, respectively. The majority of positive specimens were in younger populations; those under 18 years of age accounted for 76% overall of positive respiratory illness specimens in week 48 while Active Duty Soldiers, 18 to 29 years, accounted for 70.8% of positive specimens.

GEOGRAPHIC SPREAD

FLUVIEW

A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*

Week Ending Nov 30, 2019 - Week 48



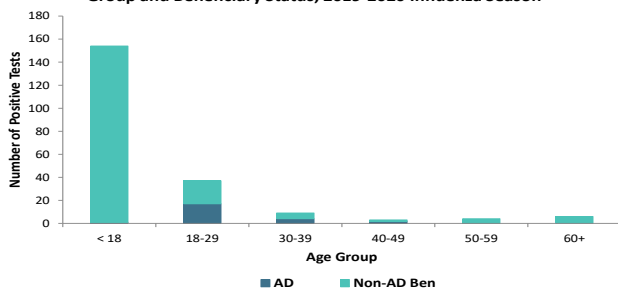
*This map indicates geographic spread and does not measure the severity of influenza activity.

CDC

In week 48, in the general U.S. population, widespread influenza activity was reported in Alabama, California, Connecticut, Georgia, Indiana, Louisiana, Massachusetts, Mississippi, Nevada, New Mexico, Pennsylvania, South Carolina, Tennessee, Texas, and Virginia; regional activity was reported in Puerto Rico and 14 states (Alaska, Arizona, Colorado, Florida, Idaho, Kentucky, Minnesota, Montana, Nevada, Nebraska, Oklahoma, Oregon, Utah, Washington, and Wisconsin); local activity was reported in 17 states. Sporadic activity was reported in the District of Columbia, U.S. Virgin Islands, and 3 states (Kansas, Rhode Island, and West Virginia). Guam did not report.

DEMOGRAPHICS

Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, 2019-2020 Influenza Season

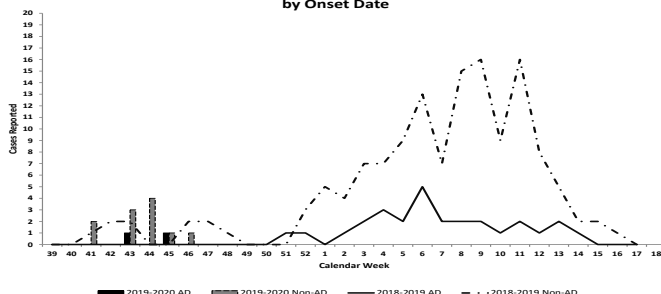


AD: A total of 24 positive respiratory specimens were collected from Active Duty (AD) Soldiers in week 48; 70.8% (n=17) were from Soldiers 18 to 29 years of age; 16.6% (n=4) were from soldier 30 to 39 years of age; 8.3% (n=2) were from soldier between 40-49 years of age; and 4.1% (n=1) were less than 18 years.

Non-AD: A total of 189 positive respiratory specimens were collected from non-AD individuals; 80.9% (n=153) were from those under 18 years of age; 10.6% (n=20) were from the 18-29 age group; 2.6% (n=5) were from the 30-39 age group; and 2.1% (n=5) and 3.1% (n=6) were from the age groups 50-59 years and above 60, respectively.

INFLUENZA-ASSOCIATED HOSPITALIZATIONS

Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Date



There was no hospitalization reported to DRSi with an onset date in week 48. To date, thirteen hospitalizations total have been reported since the start of the season. One hospitalization was reported during the same time last season.

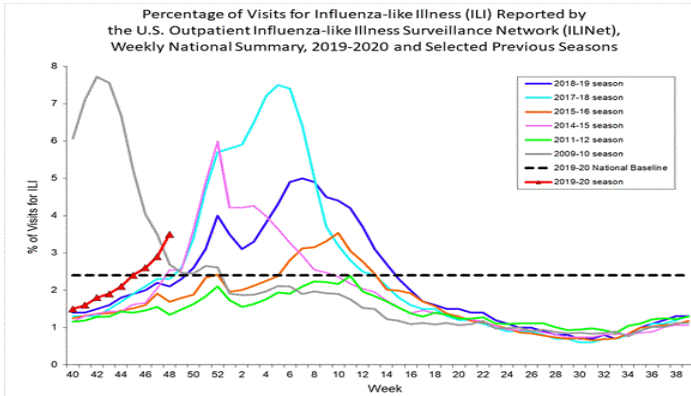
*DRSi does not capture cases older than 65 years old for influenza-associated hospitalizations.

Additional Resources: [Army Influenza Reports](#); [ARD Reports](#); [AFHSC Influenza Reports](#); [NHRC FRI Reports](#); [DoD Pandemic Influenza Watchboard](#); [CDC](#)

Key: ILI-Influenza-Like Illness; DRSi- Disease Reporting System Internet; NHRC- Naval Health Research Center; ADV-Adenovirus; RSV-Respiratory Syncytial Virus; DED- Disease Epidemiology Division; SM-Service Member; MEDPROS- Medical protection System; ASIMS- Aeromedical Services Information Management System; MRRS- Medical Readiness Reporting System

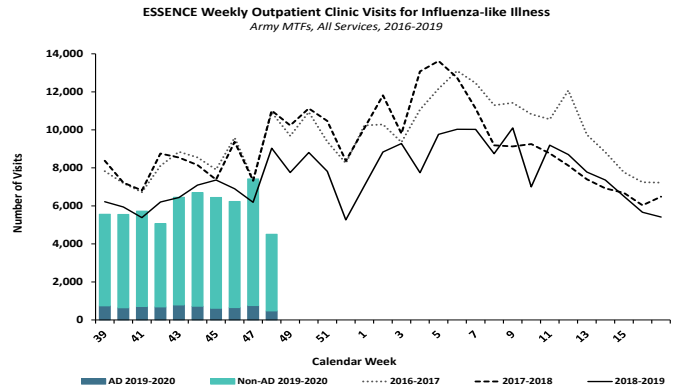
Questions?
[Email APHC DEP](#)
410-436-7605

ILI ACTIVITY - UNITED STATES



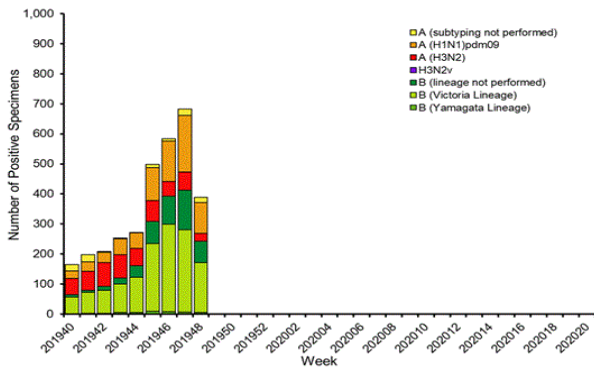
Nationwide in week 48, incident ILI activity was 3.5%; this is above the national baseline of 2.4%. Regionally, the percentage of ILI outpatient visits reported to the CDC ranged from 1.8% to 6.8%. At Army medical treatment facilities, incident ILI activity decreased marginally from 39.2% compare to the previous week, the majority of ILI encounters (89.5%) were from the non-AD. The AD population experience a 37.9% fewer cases compare to the previous week. There were 50.1% fewer ILI outpatients visits when compared to week 48 of the previous season.

ILI ACTIVITY - ARMY

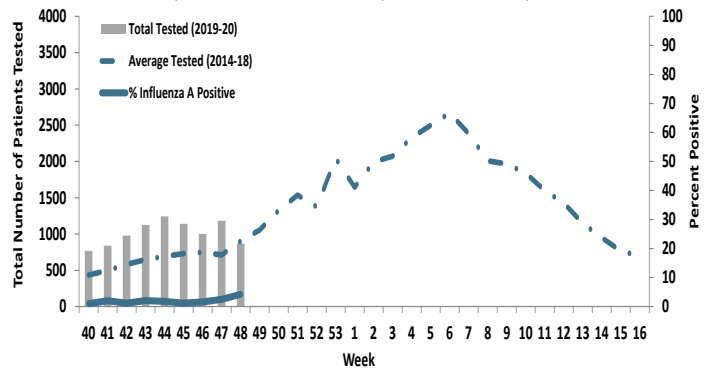


LABORATORY RESPIRATORY SPECIMEN TESTING

Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, 2019-2020 Season



Proportion of Positive Influenza A Specimens for U.S. Army 2019-2020



Nationwide, 828 specimens were tested and submitted to CDC, of which 389 (46.9%) were positive for influenza in week 48. In the Army population, 4.2% of 869 specimens tested for influenza A were positive. The majority of the influenza A-positive specimens are reported from RHC-A (n=9[34.6%]) and RHC-C (n=13[50%]). RHC-P reported 15.4% of positive influenza A specimens while RHC-E did not report.

		Week 45	Week 46	Week 47	Week 48	Season Total
Test Types Among Positive Influenza A Specimens	RAT	14	14	24	22	135
	Culture	1	4	1	2	14
	PCR	3	0	5	2	30
Army MTF Laboratory Results, 2019-20	Influenza A	18	18	30	26	179
	Influenza B	178	101	136	125	713
	Adenovirus	16	10	8	2	76
	Enterovirus	1	0	0	0	5
	Parainfluenza	21	16	12	0	117
	RSV	61	57	64	60	387
	Negative	2640	2245	2535	1701	20182
Total	2935	2447	2785	1914	21659	

Of the 1,914 specimens tested in week 48, 11.2% (n=213) were positive for any type of respiratory illness, which represents a 14.8% decrease from the 250 positive specimens in week 47. The most common type of positive specimen in week 48 remain influenza B, which accounted for 58.7% (n=125) of positive specimens. This represents a 8.1% increase when compared to week 47. RSV was the second most common positive specimen in week 48, accounting for 28.1% (n=60) followed by influenza A (12.2%;n=26), and adenovirus (<1%; n=2).

Locations providing week 45 laboratory data as of 4 December 2019: Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Gordon, Ft Hood, Ft Huachuca, Ft Knox, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft. Wainwright, Korea, Tripler, and Walter Reed.

*NOTE: Madigan AMC data was not received due to the switch from AHLTA/CHCS to MHS Genesis. The data is being received weekly, but cannot be included at this time due to reporting limitations from Genesis.

LABORATORY RESPIRATORY SPECIMEN TESTING

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	63	1.6	4.7	9	100	0			8.9
	Ft. Benning	108	0.9	4.3	108	6.5	0			
	Ft. Bragg	52	0	2.5			100			
	Ft. Campbell	90	4.4	3.7	90	6.7	0			100
	Ft. Drum	3	0	0			100			
	Ft. Eustis	11	9.1	10.7	1	100	100			
	Ft. Gordon	67	1.5	0.8	68	13.2	0			100
	Ft. Jackson			0			0			
	Ft. Knox	3	0	0	3	0	0			
	Ft. Lee	5	0	4.3	6	100				
	Ft. Meade	1	0	0						
	Ft. Rucker	21	0	0	21	14.3	0			
	Ft. Sam Houston			2			2			100
	Ft. Stewart	51	2	6.1	51	7.8	0			
	Redstone Arsenal	4	0	100	4	0	0			
West Point Military Academy			15.8			0				
RHCC	Ft. Bliss	119	0.8	5.1	117	9.4	3.3	9	0	0
	Ft. Carson	54	14.8	5.2						
	Ft. Hood	183	0.5	4.5	184	26.1	0	1	0	
	Ft. Huachuca	6	0	20	6	16.7	0			
	Ft. Irwin			15.8			0			
	Ft. Leavenworth	13	15.4	0	13	15.4	5.9			
	Ft. Leonard Wood			2.4			0			
	Ft. Polk	31	3.2	0	8	100	0			
	Ft. Riley	39	0	0	39	2.6	0			
Ft. Sill	29	0	0	2	100	100				
RHCE	Landstuhl Regional Medical Center			6.7			2.4			0
RHCP	Ft. Wainwright	40	0	0	40	15	0			
	Korea	20	15	26.5	17	0	0	17	11.8	11.1
	Tripler Army Medical Center	10	10	3.8	1	100	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						12.9	8	25	15.6
	Ft. Campbell						100			100
	Ft. Drum						100			0
	Ft. Gordon						100			100
	Ft. Sam Houston						100			
	Ft. Stewart							25	36	43.5
	West Point Military Academy						100			100
RHCC	Ft. Bliss							115	13	0
	Ft. Carson							17	0	15
	Ft. Hood							62	35.5	50.8
	Ft. Leavenworth							1	100	0
	Ft. Polk							14	0	25
	Ft. Riley							23	21.7	9.1
	Ft. Sill							1	0	100
RHCE	Landstuhl Regional Medical Center						16.3			7.1
RHCP	Ft. Wainwright							40	5	52.1
	Korea			0	17	0	0	18	11.1	16.7
	Tripler Army Medical Center			0			3	2	100	100

No.: Number of specimens tested during MMWR week 48 2019.

% Pos.: Percentage of positive specimens reported during MMWR week 48, 2019.

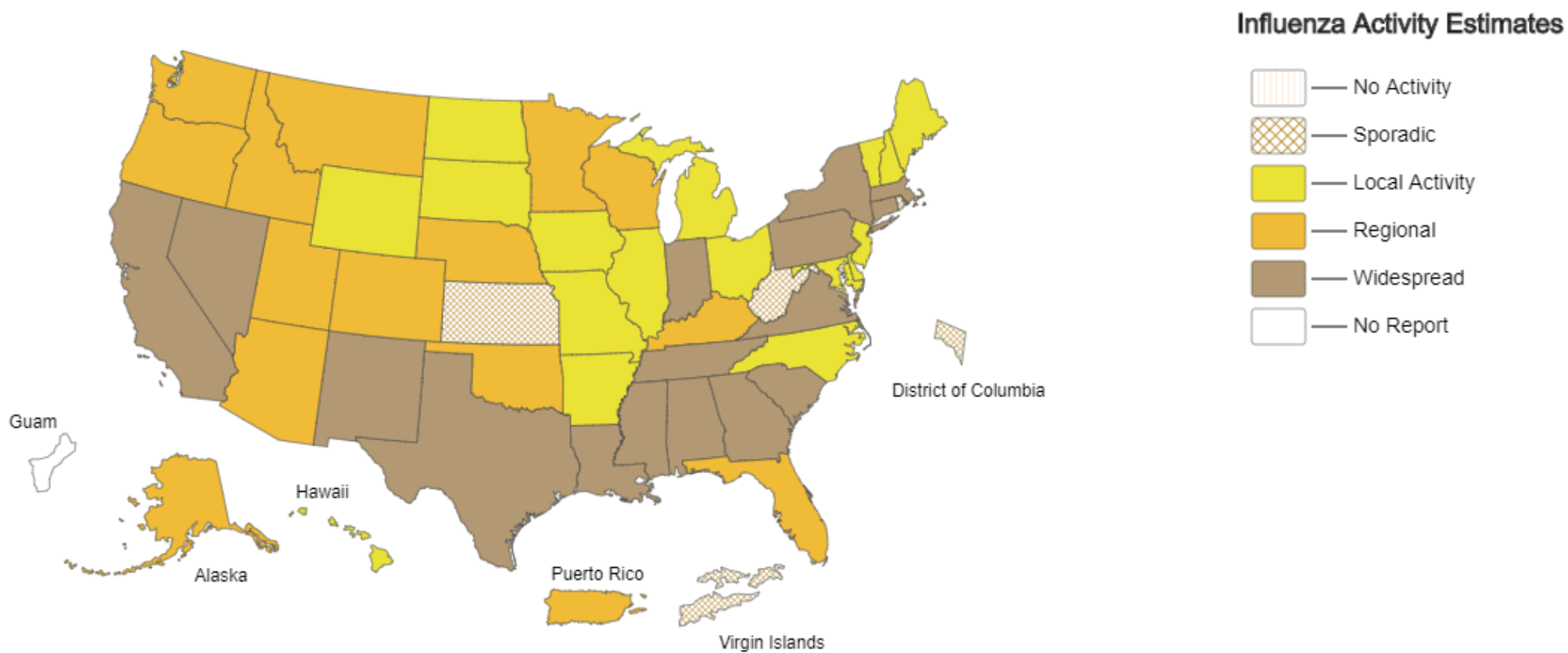
Baseline % Pos.: Percentage of positive specimens reported in MMWR week 1 during influenza seasons from September 2012 - May 2018.

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

A Weekly Influenza Surveillance Report Prepared by the Influenza Division

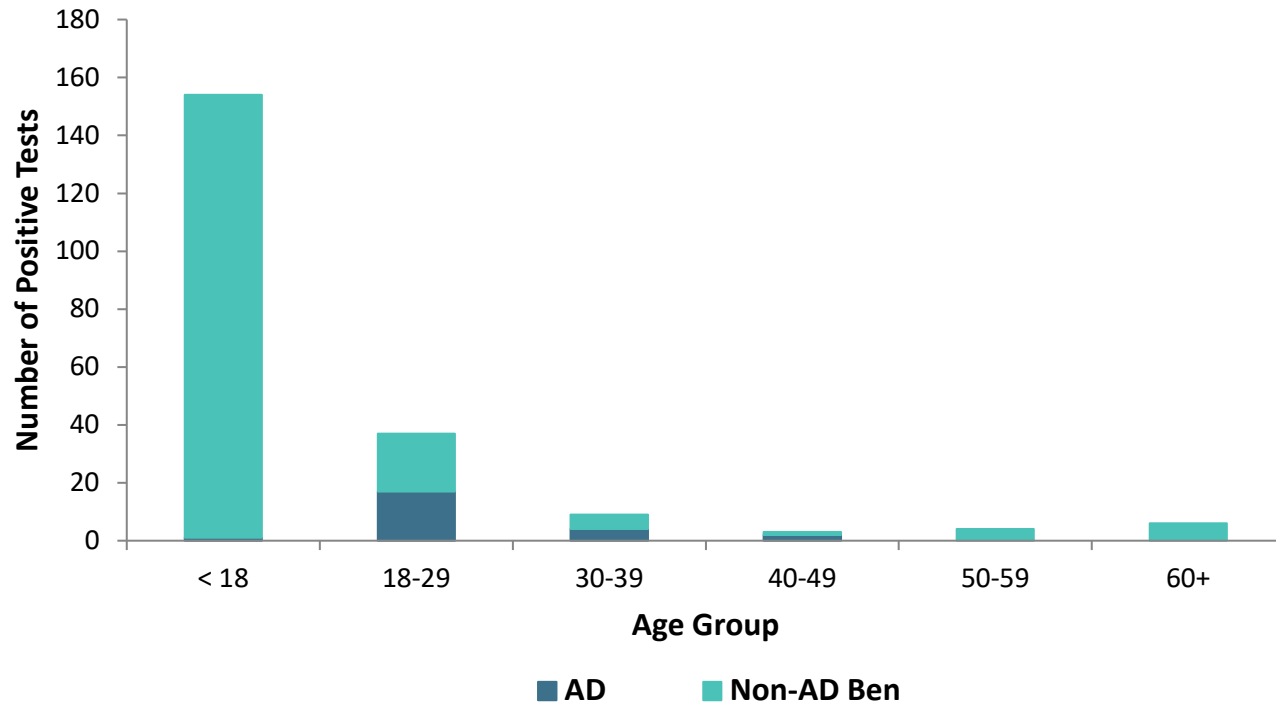
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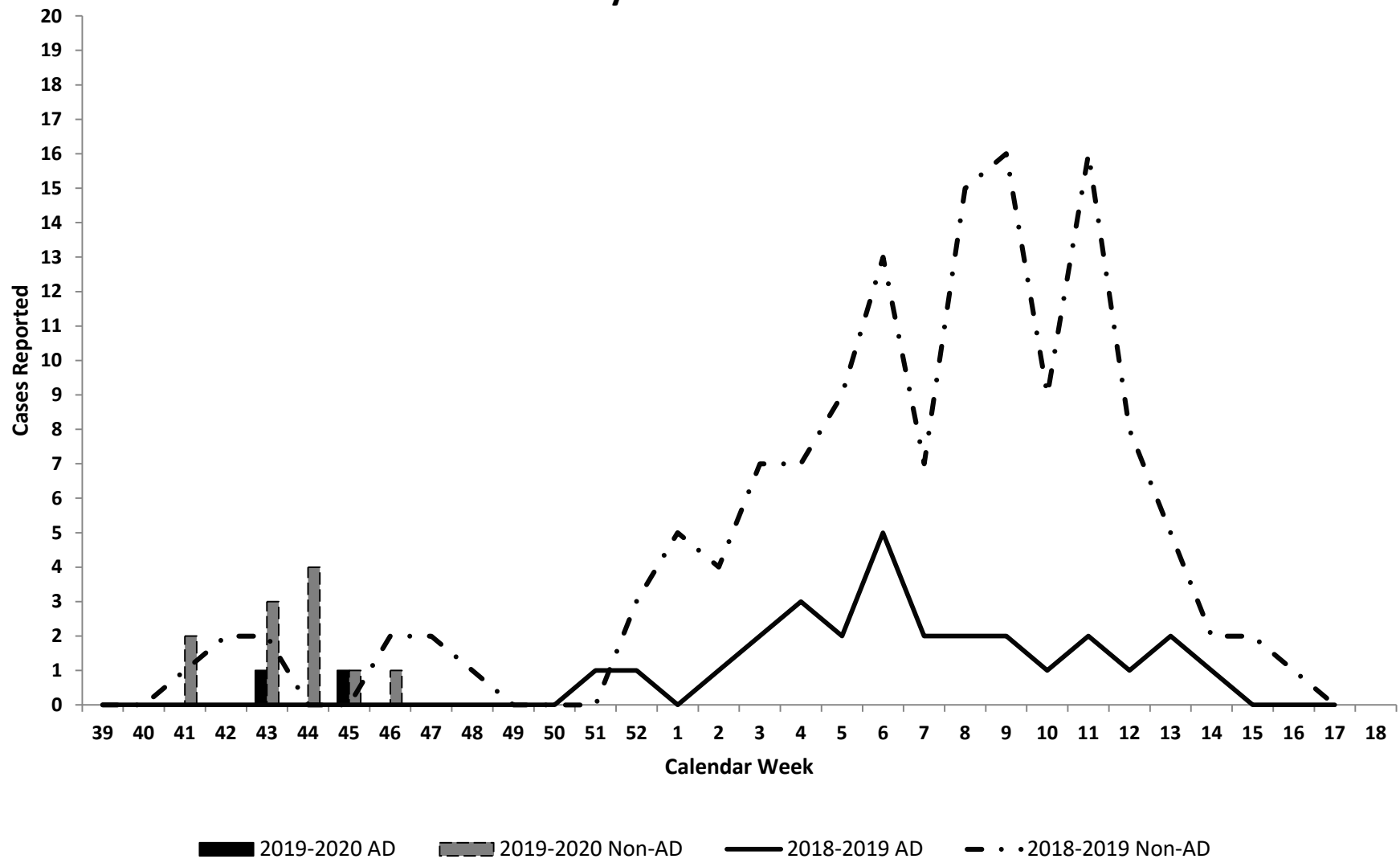
Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, 2019-2020 Influenza Season



Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	1	153	1124
18-29	17	20	189
30-39	4	5	82
40-49	2	1	20
50-59	0	4	31
60+	0	6	31
Total	24	189	1477



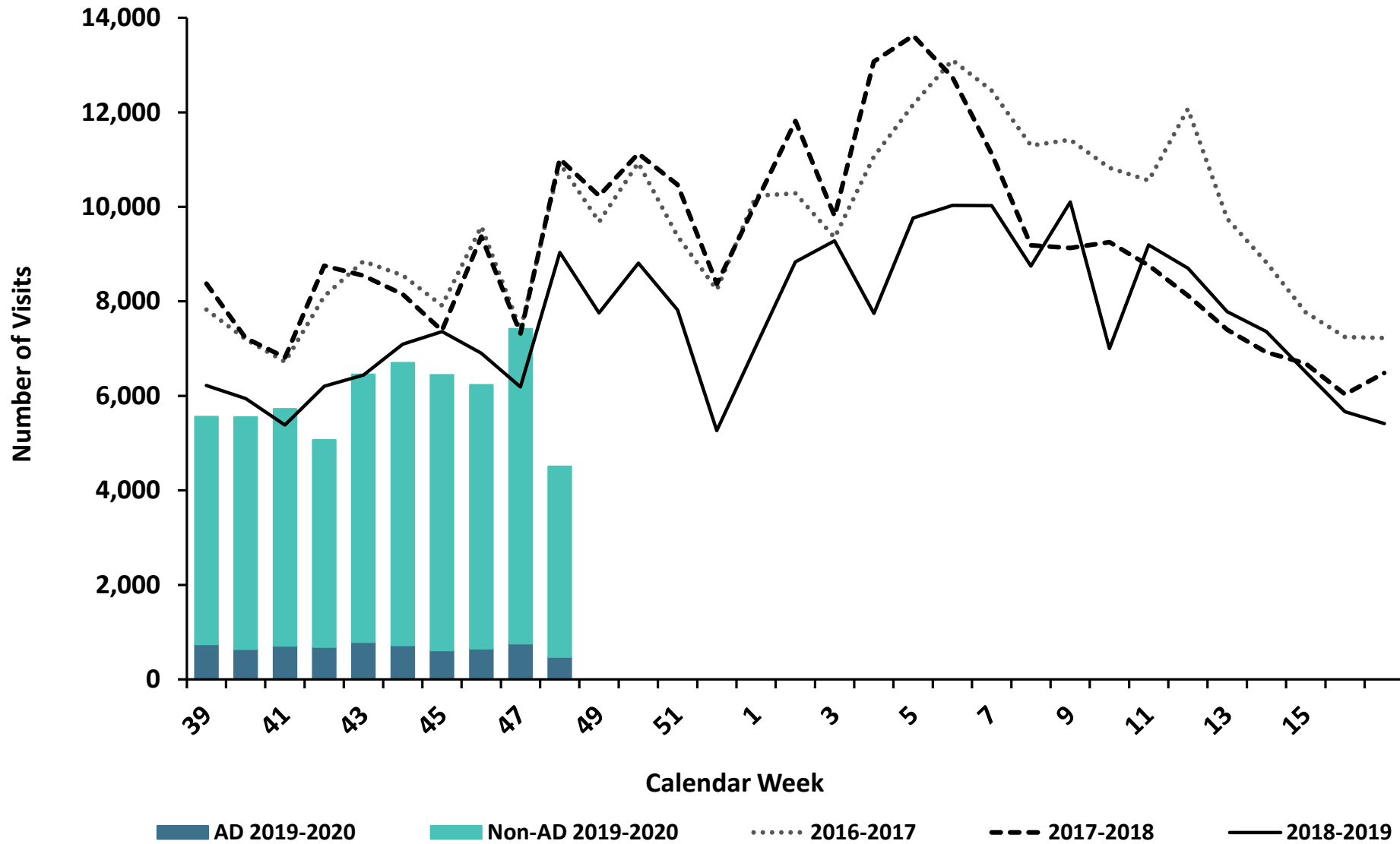
Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Date



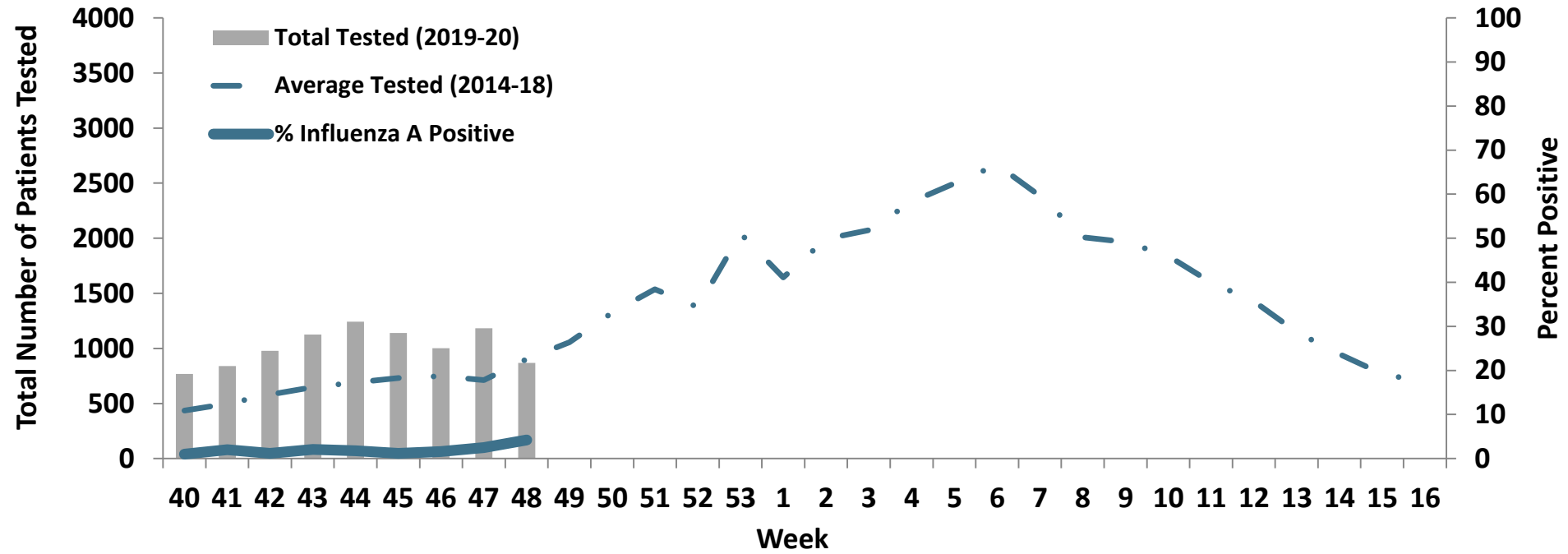
Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information.
Data as of 04 December 2019.

ESSENCE Weekly Outpatient Clinic Visits for Influenza-like Illness

Army MTFs, All Services, 2016-2019



Proportion of Positive Influenza A Specimens for U.S. Army 2019-2020



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