

U.S. Army Public Health Center
Army Influenza Activity Report
 Week ending 30 March 2019 (week 13)

Influenza Vaccination Coverage*

As of 4 April 2019

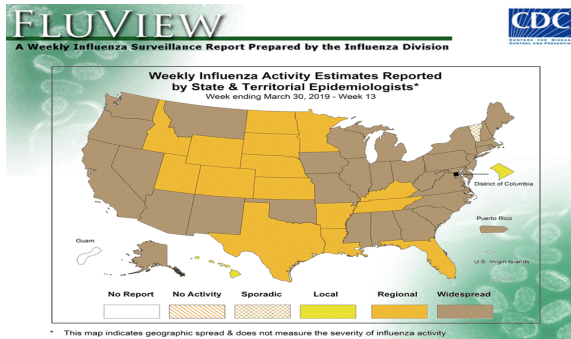
N/A	DoD
98%	Army Active Duty
89%	Army Guard
84%	Army Reserve

*Data Source: MEDPROS, ASIMS, MRRS

SUMMARY

The overall number of positive respiratory specimens continue to decrease. In week 13, a 27% decrease in the number of positive specimens was noted when compared to week 12; there were 716 samples in week 12 and 526 samples in week 13. However, a 47% increase in the number of influenza B cases was noted; there were 30 cases in week 12 and 44 cases in week 13. Six influenza-associated hospitalizations with an onset date in week 13 were reported in the Disease Reporting System internet. Two of these cases were Active Duty (AD) Service Members (SMs). Outpatient visits for influenza-like illness in week 13 among AD SMs increased by 15% when compared to the previous week. Leaders should continue to stress the importance of proper hand hygiene and respiratory etiquette in the prevention of respiratory illnesses.

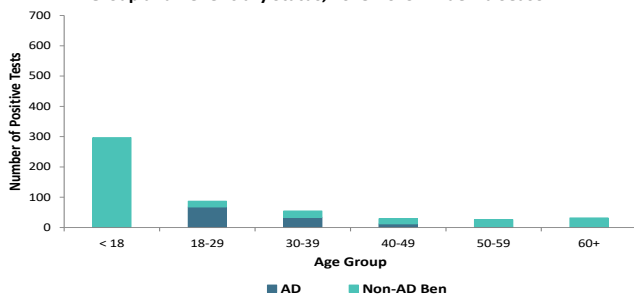
GEOGRAPHIC SPREAD



In the general U.S. population, widespread influenza activity was reported by 33 states. Regional activity was reported by 15 states, and local activity was reported by the District of Columbia and Hawaii. Sporadic activity was reported by Vermont. Guam and the U.S. Virgin Islands did not report to the Centers for Disease Control and Prevention (CDC) in week 13.

DEMOGRAPHICS

Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, 2018-2019 Influenza Season

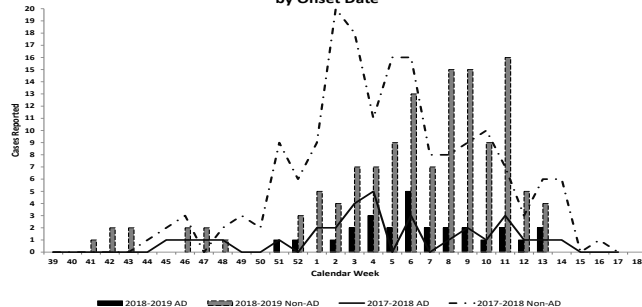


Active Duty (AD): In week 13, 22% (n=116) of the total positive specimens (n=526) were among AD Service Members (SMs). Fifty-nine percent (n=68) of the positive specimens among AD Service Members were from individuals in the 18-29 age group.

Non-AD: The majority of the positive specimens continue to result from the non-AD population. In week 13, this group accounted for 78% (n=410) of the total positive specimens. Individuals younger than 18 years were disproportionately affected; they accounted for 72% (n=297) of the positive respiratory specimens among non-AD individuals in week 13.

INFLUENZA-ASSOCIATED HOSPITALIZATIONS

Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Date



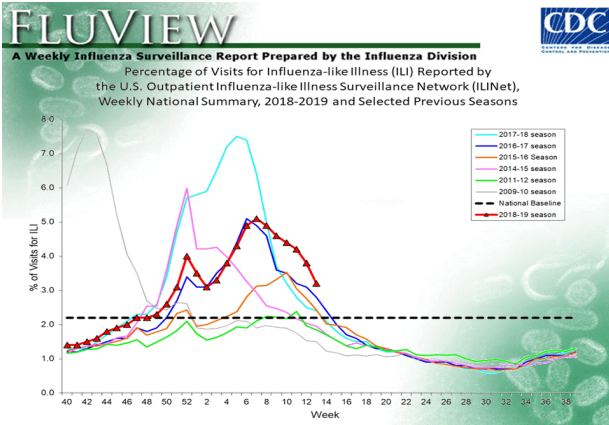
Six influenza-associated hospitalizations, with an onset date in week 13, were reported in DRSi; two of the cases were AD SMs. There have been 156 hospitalizations for the season: 27 AD SMs and 129 non-AD individuals.

Additional Resources: [Army Influenza Reports](#); [ARD Reports](#); [AFHSB 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; RSV- Respiratory Syncytial Virus; DEP- Disease Epidemiology Program

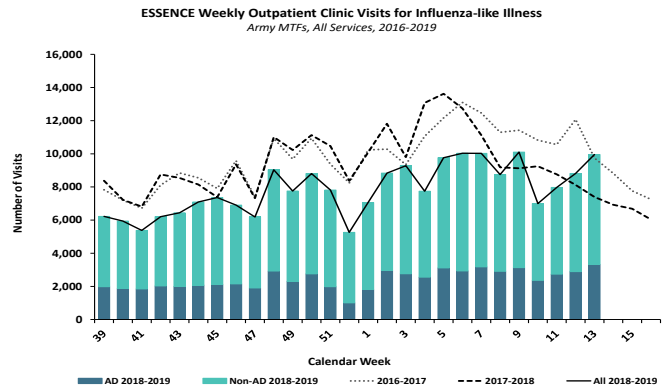
Questions?
 Email [APHC DEP](#)
 410-436-7605

ILI ACTIVITY - UNITED STATES

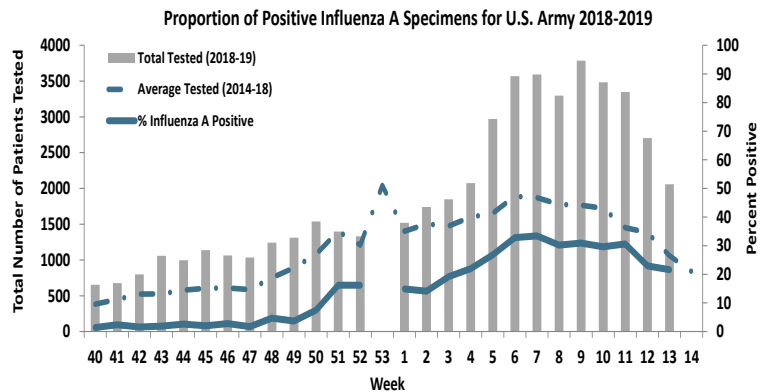
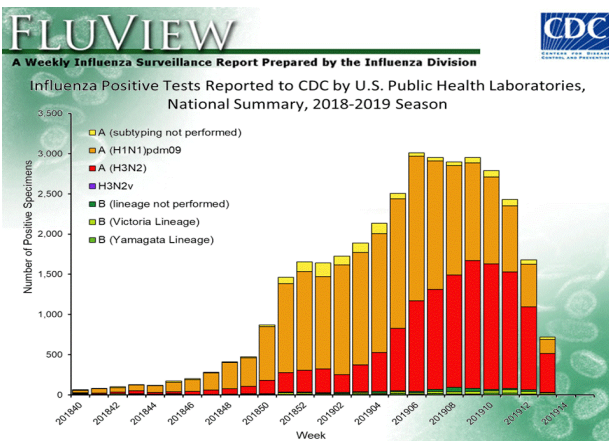


Nationwide in week 13, incidence of ILI activity was 3.2%, which is above the national baseline of 2.2%. Regionally, the percentage of ILI outpatient visits reported to the CDC ranged from 2.4% to 4.6%. At Army medical treatment facilities, overall incidence of ILI activity increased by 13% when compared to the previous week. ILI activity among the AD population also increased by 15% from week 12 to week 13. When compared to week 13 of the 2017-2018 season, there were 34% more ILI outpatient visits in week 13 of the current season.

ILI ACTIVITY - ARMY



LABORATORY RESPIRATORY SPECIMEN TESTING



Nationwide, 1263 specimens were tested and submitted to the CDC during week 13, of which 720 (57%) were positive for influenza. In the Army population, the majority of the influenza A-positive specimens continue to be reported from RHC-A and RHC-C, with 59% (n=263) and 37% (n=163) of the positive specimens, respectively. Influenza A activity was markedly lower in RHC-E and RHC-P, accounting for 4% (n=16) and 3% (n=14) of the positive influenza A specimens, respectively.

		Week 10	Week 11	Week 12	Week 13	Season Total
Test Types Among Positive Influenza A Specimens	RAT	712	717	391	317	6608
	Culture	27	10	16	4	427
	PCR	292	297	211	124	3521
Army MTF Laboratory Results, 2018-19	Influenza A	1031	1024	618	445	10556
	Influenza B	30	38	30	44	414
	Adenovirus	19	17	22	9	393
	Enterovirus	0	0	0	0	5
	Parainfluenza	10	13	14	7	330
	RSV	36	45	32	21	1786
	Negative	5137	4800	4226	3447	84862
Total	6263	5937	4942	3973	98346	

The number of positive respiratory specimens decreased by 27% from week 12 to week 13; there were 716 positive specimens in week 12 and 526 in week 13. All respiratory pathogens, excluding influenza B, decreased in the number of positive specimens from week 12 to week 13: influenza A, adenovirus, parainfluenza, and respiratory syncytial virus decreased by 28%, 59%, 50%, and 34% respectively. Influenza B increased by 47%.

Locations providing week 13 laboratory data as of 3 April 2019: Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Drum, Ft. Eustis, Ft Gordon, Ft Hood, Ft Huachuca, Ft Jackson, Ft Knox, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft. Wainwright, Landstuhl Regional Medical Center, Korea, Redstone Arsenal, Tripler Army Medical Center, the United States Military Academy, and Walter Reed National Military Medical Center.

LABORATORY RESPIRATORY SPECIMEN TESTING

Region	Installation	Influenza A			Influenza B			Adenovirus		
		No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.
RHCA	Ft. Belvoir	365	28.8	9.5	173	7.5	100	65	9.2	100
	Ft. Benning	70	4.3	3.3	71	2.8	8.9			
	Ft. Bragg	133	32.3	8.6			100			
	Ft. Campbell	131	17.6	4.7	136	0	17.4			100
	Ft. Drum	16	43.8	21.4	1	100	100			
	Ft. Eustis	45	31.1	32.1	3	100	100			
	Ft. Gordon	84	25	1.3	83	0	4.3			100
	Ft. Jackson	52	17.3	2.2	52	0	10.9			
	Ft. Knox	18	11.1	9.1	18	0	8.3			
	Ft. Lee	40	30	28.6			100			
	Ft. Meade	14	50	9.1						
	Ft. Rucker	8	50	0	8	0	0			
	Ft. Sam Houston	256	15.2	0	265	2.6	4.8			
	Ft. Stewart	51	7.8	7.9	52	0	8.5			100
	Redstone Arsenal	8	12.5	0	8	0	0			
U.S. Military Academy	27	29.6	30	10	0	100			100	
RHCC	Ft. Bliss	208	16.3	1.8	167	0.6	10.3	21	9.5	4.3
	Ft. Carson			0			100			
	Ft. Hood	169	14.8	0	166	1.8	3.5	26	3.8	
	Ft. Huachuca	6	0	0	11	36.4	40			
	Ft. Irwin	1	100	13.3	1	0	6.7			
	Ft. Leavenworth	56	26.8	5	55	1.8	5.6			
	Ft. Leonard Wood	74	31.1	6.7	74	0	20			100
	Ft. Polk	49	22.4	0	2	100	0			
	Ft. Riley	70	17.1	0	57	0	0			
Ft. Sill	40	7.5	4.3			100				
RHCE	Landstuhl Regional Medical Center	30	16.7	29	25	0	8.5	25	0	2.1
RHCP	Ft. Wainwright	29	10.3	1.9	29	17.2	28.3			
	Korea	37	24.3	22.7	14	14.3	5.1	14	0	2.6
	Tripler Army Medical Center	64	3.1	0	52	0	9	52	0	3.2

Region	Installation	Enterovirus			Parainfluenza			RSV		
		No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.
RHCA	Ft. Belvoir				72	8.3	100	171	4.1	0
	Ft. Campbell						100			100
	Ft. Drum									0
	Ft. Gordon						100			100
	Ft. Sam Houston						100			100
	Ft. Stewart						100	10	10	11.1
	U.S. Military Academy						100			100
RHCC	Ft. Bliss							166	2.4	4.3
	Ft. Carson									0
	Ft. Hood				27	3.7		54	5.6	67.4
	Ft. Leavenworth							10	0	50
	Ft. Polk							7	0	25
	Ft. Riley							16	12.5	10.5
Ft. Sill							1	0	0	
RHCE	Landstuhl Regional Medical Center				25	0	0	28	7.1	6.7
RHCP	Ft. Wainwright							27	7.4	18.4
	Korea			0	14	0	10.3	14	0	2.6
	Tripler Army Medical Center	52	0	0	52	0	1.6			100

No.: Number of specimens tested during MMWR week 13 2019.

% Positive: Percentage of positive specimens reported during MMWR week 13, 2019.

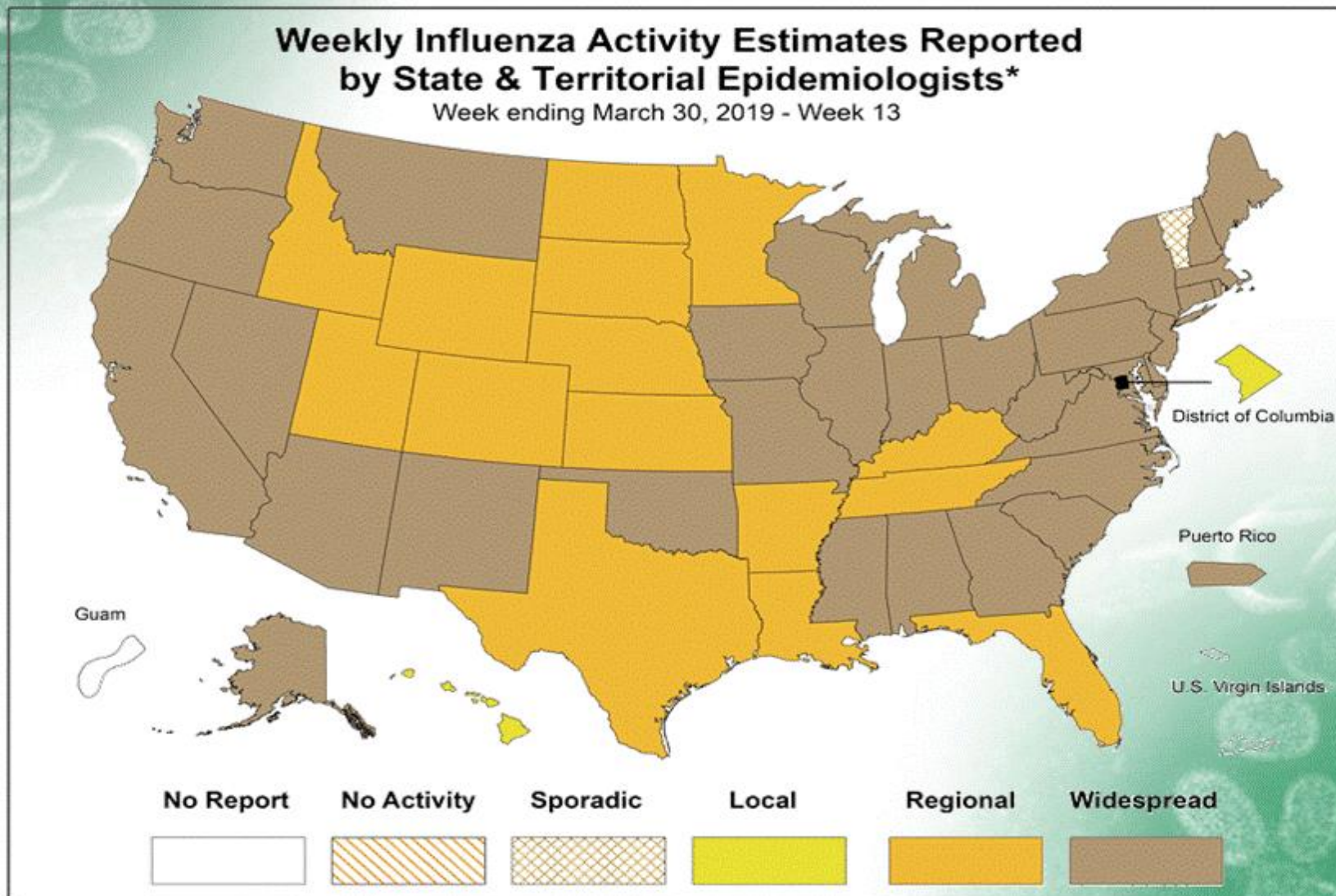
Baseline % Pos.: Percentage of positive specimens reported in MMWR week 13 during influenza seasons from September 2012 - May 2018.

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

High baseline percent positive values may be due to low numbers of specimens tested.

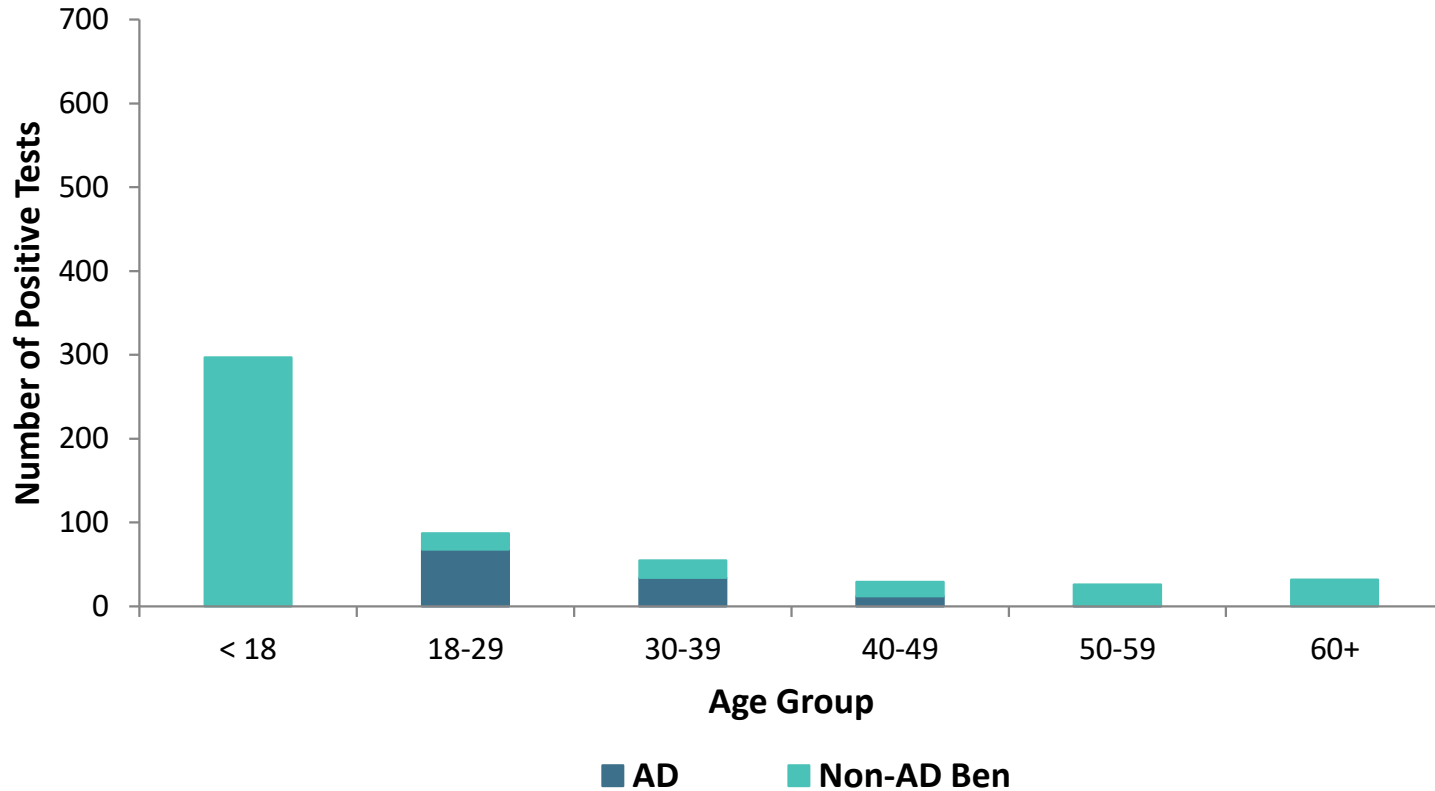
FLUVIEW

A Weekly Influenza Surveillance Report Prepared by the Influenza Division



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

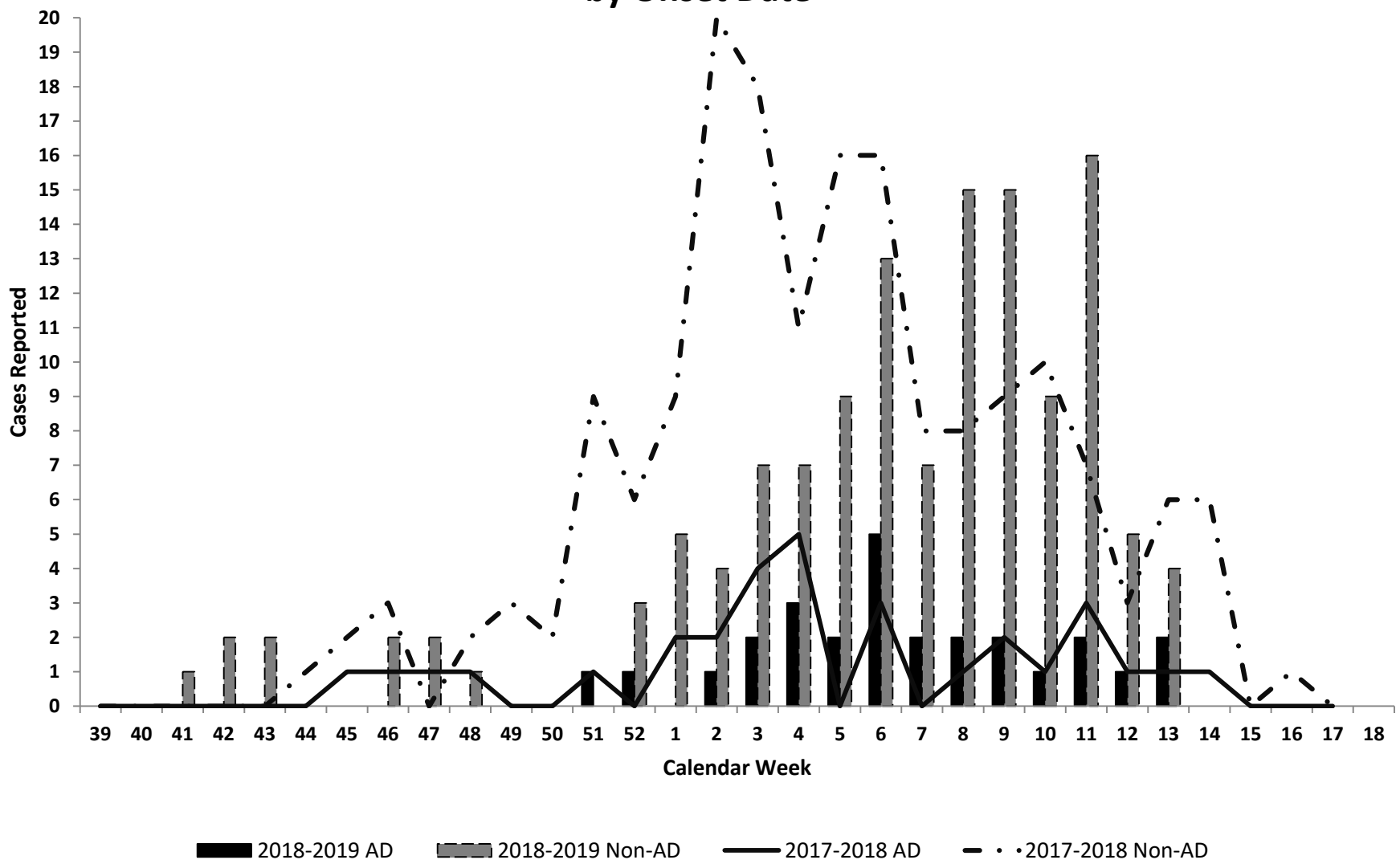
Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, 2018-2019 Influenza Season



Week 13			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	297	6059
18-29	68	19	1611
30-39	34	21	1103
40-49	12	17	712
50-59	2	24	495
60+	0	32	576
Total	116	410	10556



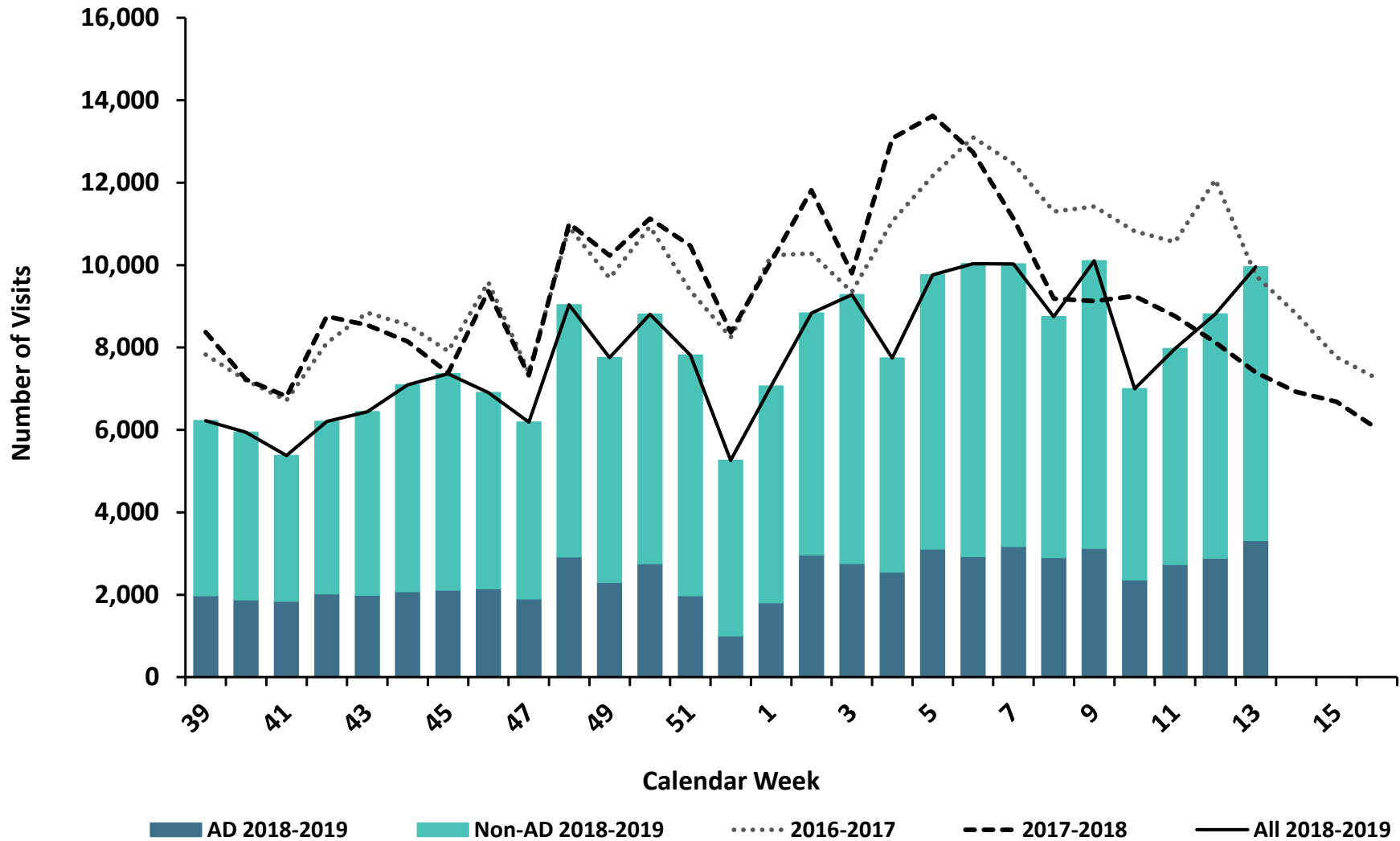
Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Date



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 2 April 2019.

ESSENCE Weekly Outpatient Clinic Visits for Influenza-like Illness

Army MTFs, All Services, 2016-2019



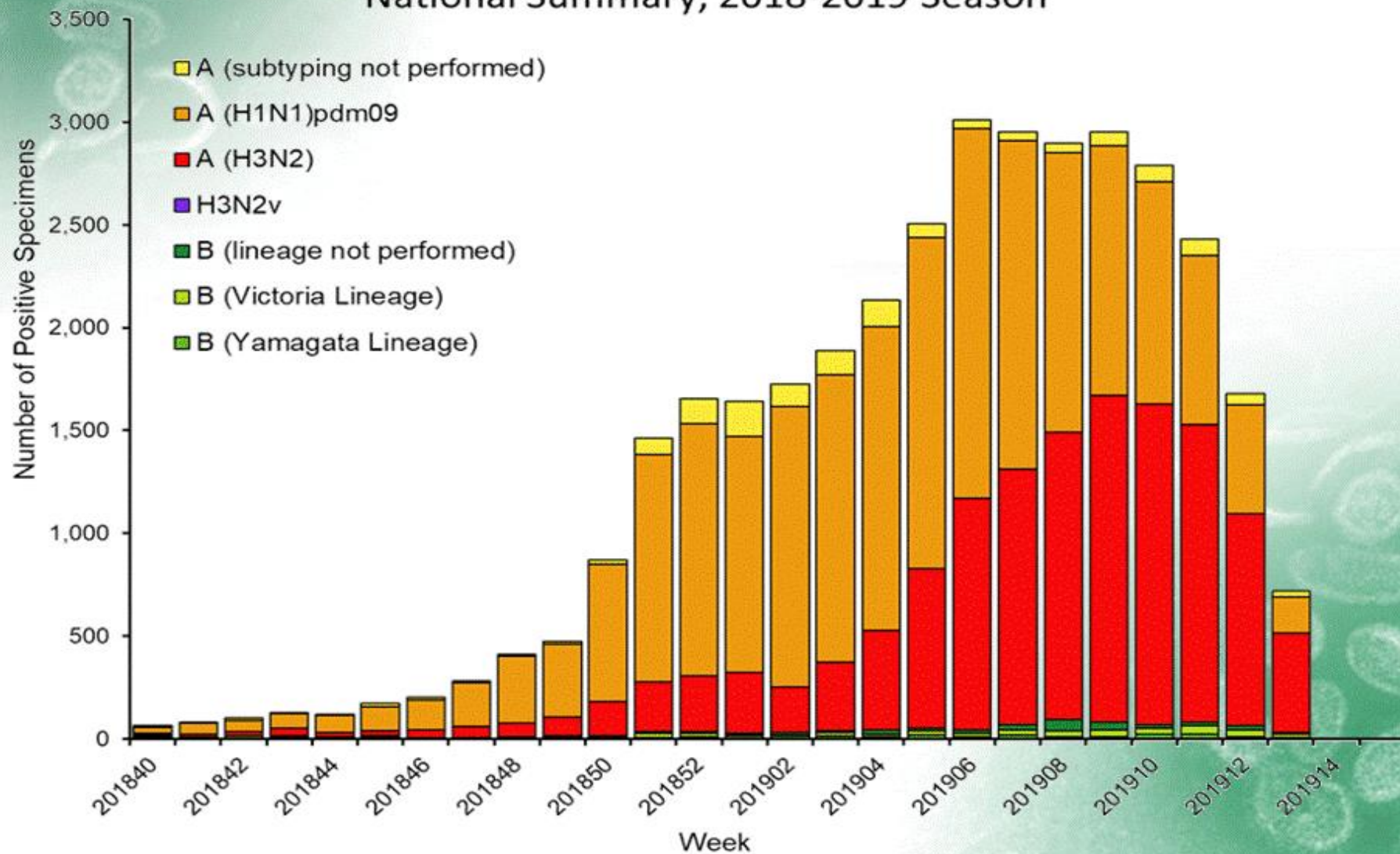
Clinic visits for ILL are obtained from ESSENCE. Data as of 3 April 2019.

FLUVIEW

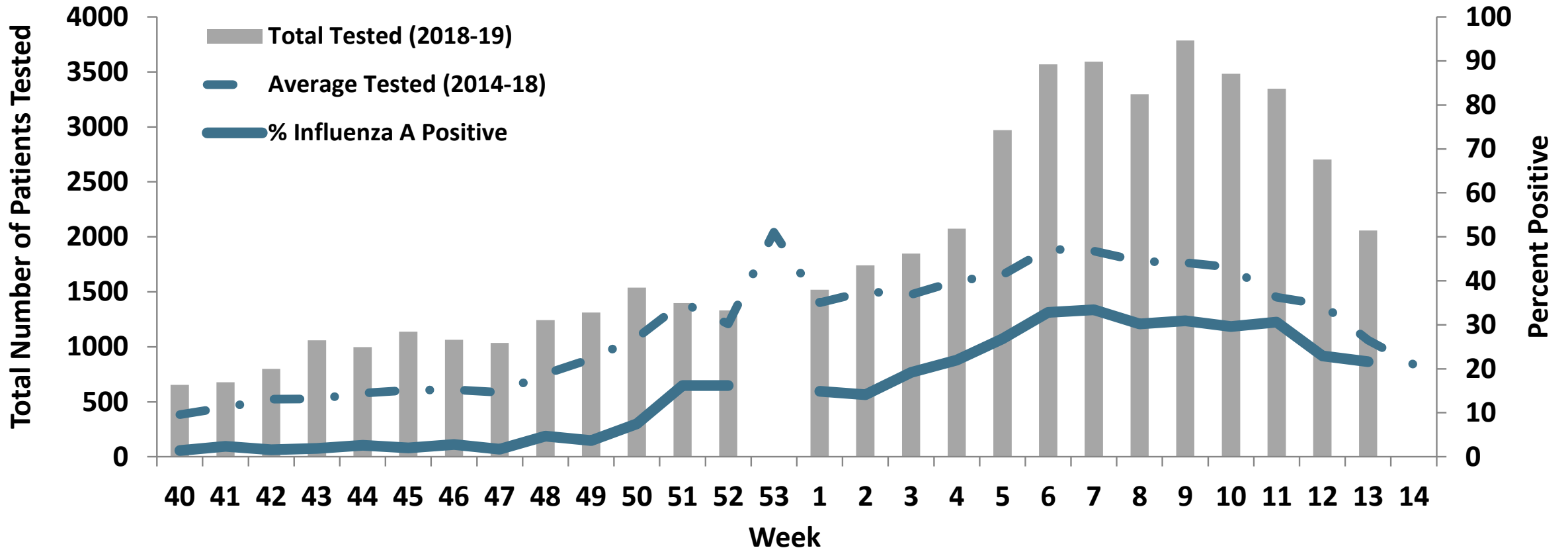


A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, 2018-2019 Season



Proportion of Positive Influenza A Specimens for U.S. Army 2018-2019



		Week 10	Week 11	Week 12	Week 13	Season Total
Test Types Among Positive Influenza A Specimens	RAT	712	717	391	317	6608
	Culture	27	10	16	4	427
	PCR	292	297	211	124	3521
Army MTF Laboratory Results, 2018-19	Influenza A	1031	1024	618	445	10556
	Influenza B	30	38	30	44	414
	Adenovirus	19	17	22	9	393
	Enterovirus	0	0	0	0	5
	Parainfluenza	10	13	14	7	330
	RSV	36	45	32	21	1786
	Negative	5137	4800	4226	3447	84862
	Total	6263	5937	4942	3973	98346

