

U.S. Army Public Health Center

Army Influenza Activity Report

Week ending 23 February 2019 (week 8)

Influenza Vaccination Coverage*

As of 27 February 2019

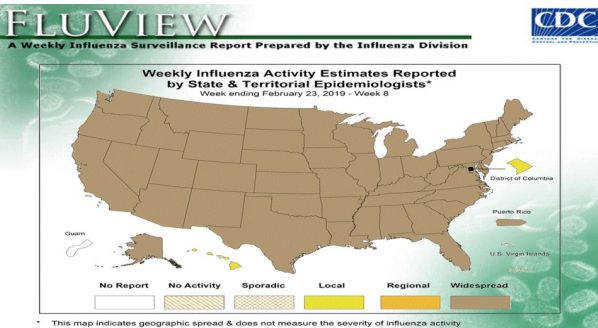
N/A	DoD
97%	Army Active Duty
90%	Army Guard
83%	Army Reserve

*Data Source: MEDPROS, ASIMS, MRRS

SUMMARY

In week 8, a 22% decrease in the number of overall positive respiratory specimens was noted; 1330 were reported in week 7 compared to 1032 in week 8. Influenza A decreased by 21% in week 8 (932) when compared to week 7 (1178). A 46% decrease in the number of positive influenza B specimens was noted in week 8 (15) when compared to the number reported in week 7 (28). Nine influenza-associated hospitalizations with an onset date in week 8 were reported in the Disease Reporting System internet; all were non-Active Duty beneficiaries. This brings the season total for 2018-2019 hospitalizations to 92. When compared to the season total at week 8 during the 2017-2018 influenza season, 41% fewer influenza-associated hospitalizations occurred in the 2018-2019 season.

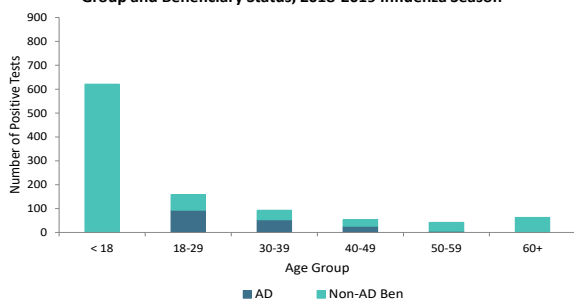
GEOGRAPHIC SPREAD



In the general U.S. population, widespread influenza activity was reported by Puerto Rico and 49 states. Local activity was reported by the District of Columbia and Hawaii, and sporadic activity was reported by the U.S. Virgin Islands. Guam did not report to the Centers for Disease Control and Prevention (CDC) in week 8.

DEMOGRAPHICS

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

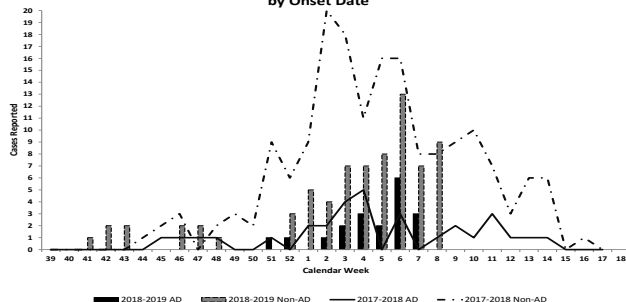


Active Duty (AD): In week 8, 17% (n=177) of the total positive specimens (n=1032) were among AD Service Members (SMs). This is a 5% increase when compared to the 168 positive specimens in AD Service Members during week 7. Fifty-two percent (n=93) of the positive specimens were from individuals in the 18-29 age group.

Non-AD: The majority of the positive specimens continue to result from the non-AD population. In week 8, this group accounted for 83% (n=855) of the total positives. Individuals younger than 18 years were disproportionately affected; they accounted for 73% (n=621) of the positive respiratory specimens in week 8.

INFLUENZA-ASSOCIATED HOSPITALIZATIONS

Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Date



Nine influenza-associated hospitalizations, with an onset date in week 8, were reported in DRSi; all of the hospitalizations occurred among non-AD individuals and seven of the cases were not vaccinated. To date, there have been 92 reported hospitalizations this season: 19 AD SMs and 73 non-AD individuals.

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

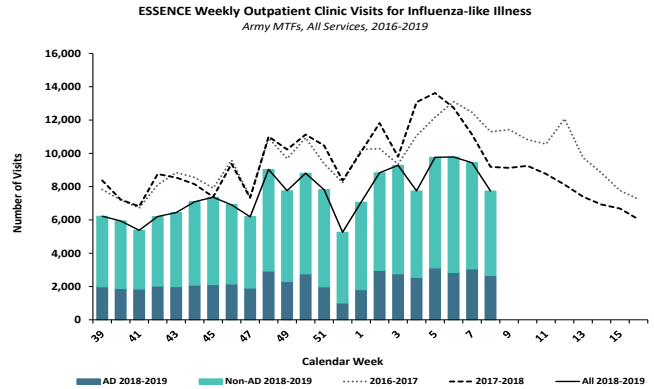
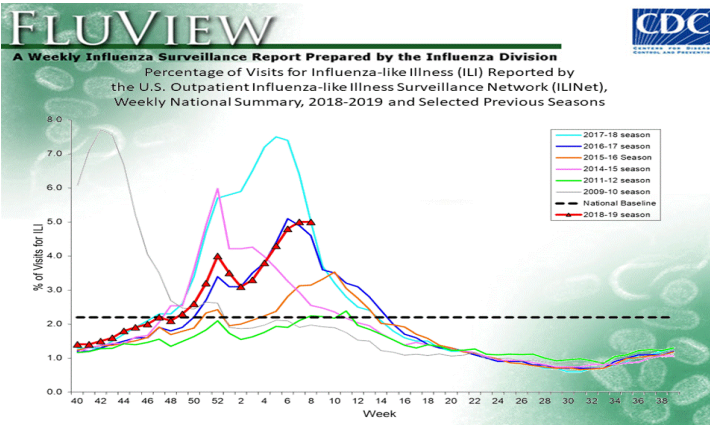
Additional Resources: [Army Influenza Reports](#); [ARD Reports](#); [AFHSB Influenza Reports](#); [NHRC FRI Reports](#); [DoD Pandemic Influenza Watchboard](#); [CDC](#)

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

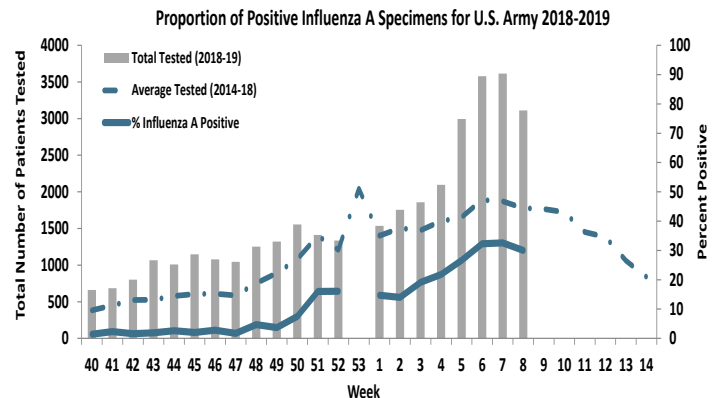
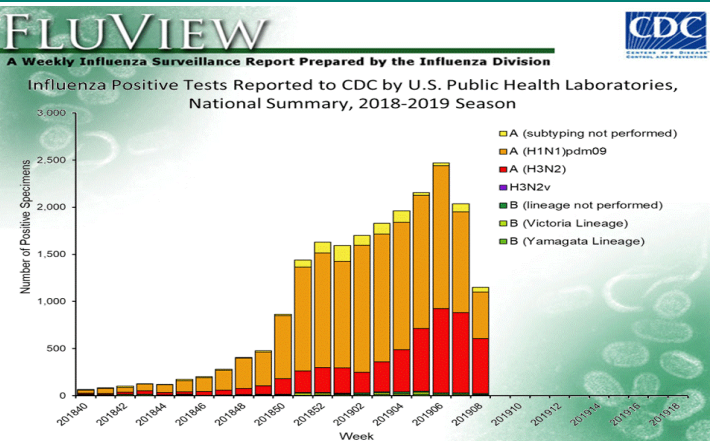
ILI ACTIVITY - UNITED STATES

ILI ACTIVITY - ARMY



Nationwide in week 8, incidence of ILI activity was 5.0%, which is above the national baseline of 2.2%. Regionally, the percentage of ILI outpatient visits reported to the CDC ranged from 3.0% to 9.4%. At Army medical treatment facilities, overall incidence of ILI activity decreased by 18% when compared to the previous week. ILI activity among the AD population decreased by 13% from week 7. When compared to week 8 of the 2017-2018 season, there were 16% fewer ILI outpatient visits in week 8.

LABORATORY RESPIRATORY SPECIMEN TESTING



Nationwide, 1915 specimens were tested and submitted to the CDC during week 8, of which 1151 (60%) were positive for influenza. The majority of the influenza A-positive specimens continue to be reported from RHC-C and RHC-A, with 49% (n=459) and 42% (n=389) specimens, respectively. Influenza A activity was markedly lower in RHC-P and RHC-E, accounting for 7% (n=67) and 6% (n=57) of the positive influenza A specimens, respectively.

		Week 5	Week 6	Week 7	Week 8	Season Total
Test Types Among Positive Influenza A Specimens	RAT	465	717	654	576	3798
	Culture	39	26	36	13	227
	PCR	293	411	488	343	2139
Army MTF Laboratory Results, 2018-19	Influenza A	797	1154	1178	932	6164
	Influenza B	18	17	28	15	244
	Adenovirus	19	19	17	9	277
	Enterovirus	0	0	0	0	5
	Parainfluenza	8	5	10	4	260
	RSV	93	109	97	72	1585
	Negative	4687	5121	5163	4571	62321
Total	5622	6425	6493	5603	70856	

The number of positive respiratory specimens decreased by 22% from week 7 to week 8; there were 1330 positive specimens in week 7 and 1032 in week 8. The number of positive influenza A specimens decreased by 21%, with 1178 positive specimens in week 7 compared to 932 in week 8. The number of positive RSV samples decreased by 26% when comparing the number of positives in week 7 (97) to that of week 8 (72).

Locations providing week 8 laboratory data as of 27 February 2019: 121st GH, 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 Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft. Wainwright, Landstuhl, Korea, Redstone Arsenal, Tripler Army Medical Center, and Walter Reed National Military Medical Center.

*NOTE: Madigan AMC data was not received due to the switch from AHLTA/CHCS to MHS 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	307	32.2	19.1	184	0.5	100	85	7.1	100
	Ft. Benning	252	16.3	9.5	253	0.8	8.5			
	Ft. Bragg	175	39.4	20			100			
	Ft. Campbell	225	24	8.5	223	0	21.9			100
	Ft. Drum	4	75	17.6			100			
	Ft. Eustis	49	34.7	21.8			100			
	Ft. Gordon	7	42.9	2.8	7	0	15.4			100
	Ft. Jackson	139	23	10.9	138	1.4	12			
	Ft. Knox	28	21.4	12.5	28	3.6	4.2			
	Ft. Lee	47	21.3	0			100			
	Ft. Meade	2	0	21.7						
	Ft. Rucker	17	23.5	0	11	0	12.5			
	Ft. Sam Houston	484	30.4	5.4	487	1.2	19.8			100
	Ft. Stewart	16	56.3	14.8	21	0	9.9			
Redstone Arsenal	37	18.9	9.1	37	2.7	0				
West Point Military Academy	68	51.5	13.2	23	0	100			100	
RHCC	Ft. Bliss	314	29	3.1	222	0.5	56.8	27	0	0
	Ft. Carson	165	29.1	40			100			
	Ft. Hood	227	26.9	6.1	222	0	8.1	19	5.3	
	Ft. Huachuca	6	16.7	0	6	0	7.7			
	Ft. Irwin	30	3.3	24.6	25	0	1.7			
	Ft. Leavenworth	60	30	9.7	59	0	32.3			
	Ft. Leonard Wood	81	42	11.8	81	0	6.4			100
	Ft. Polk	48	14.6	8.7			100			
	Ft. Riley	88	19.3	2.9	80	0	2.9			
Ft. Sill	90	37.8	10.3			100				
RHCE	Landstuhl Regional Medical	57	29.8	28.6	40	0	40	40	2.5	0
RHCP	Ft. Wainwright	94	43.6	10.5	94	0	17.5			
	Korea	55	27.3	14.5	37	2.7	0	37	2.7	1.4
	Tripler Army Medical Center	82	13.4	3.8	54	0	8.1	54	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				87	3.4	100	189	7.4	25
	Ft. Campbell						100			100
	Ft. Drum							1	0	66.7
	Ft. Gordon						100			100
	Ft. Sam Houston						100			100
	Ft. Stewart									14.3
	West Point Military Academy						100			100
RHCC	Ft. Bliss							218	7.8	4.9
	Ft. Carson							32	31.3	0
	Ft. Hood				20	5		50	6	51.5
	Ft. Leavenworth							6	0	20
	Ft. Leonard Wood						100			
	Ft. Polk							6	0	28.6
	Ft. Riley							21	33.3	28.6
	Ft. Sill							2	0	0
RHCE	Landstuhl Regional Medical				40	0	0	54	20.4	0
RHCP	Ft. Wainwright							90	7.8	8.5
	Korea			0	37	0	2.9	37	8.1	2.9
	Tripler Army Medical Center	54	0	1.7	54	0	1.7			100

No.: Number of specimens tested during MMWR week 8 2019.

% Pos.: Percentage of positive specimens reported during MMWR week 8, 2019.

Baseline % Pos.: Percentage of positive specimens reported in MMWR week 8 during influenza seasons from September 2012 - May 2018.

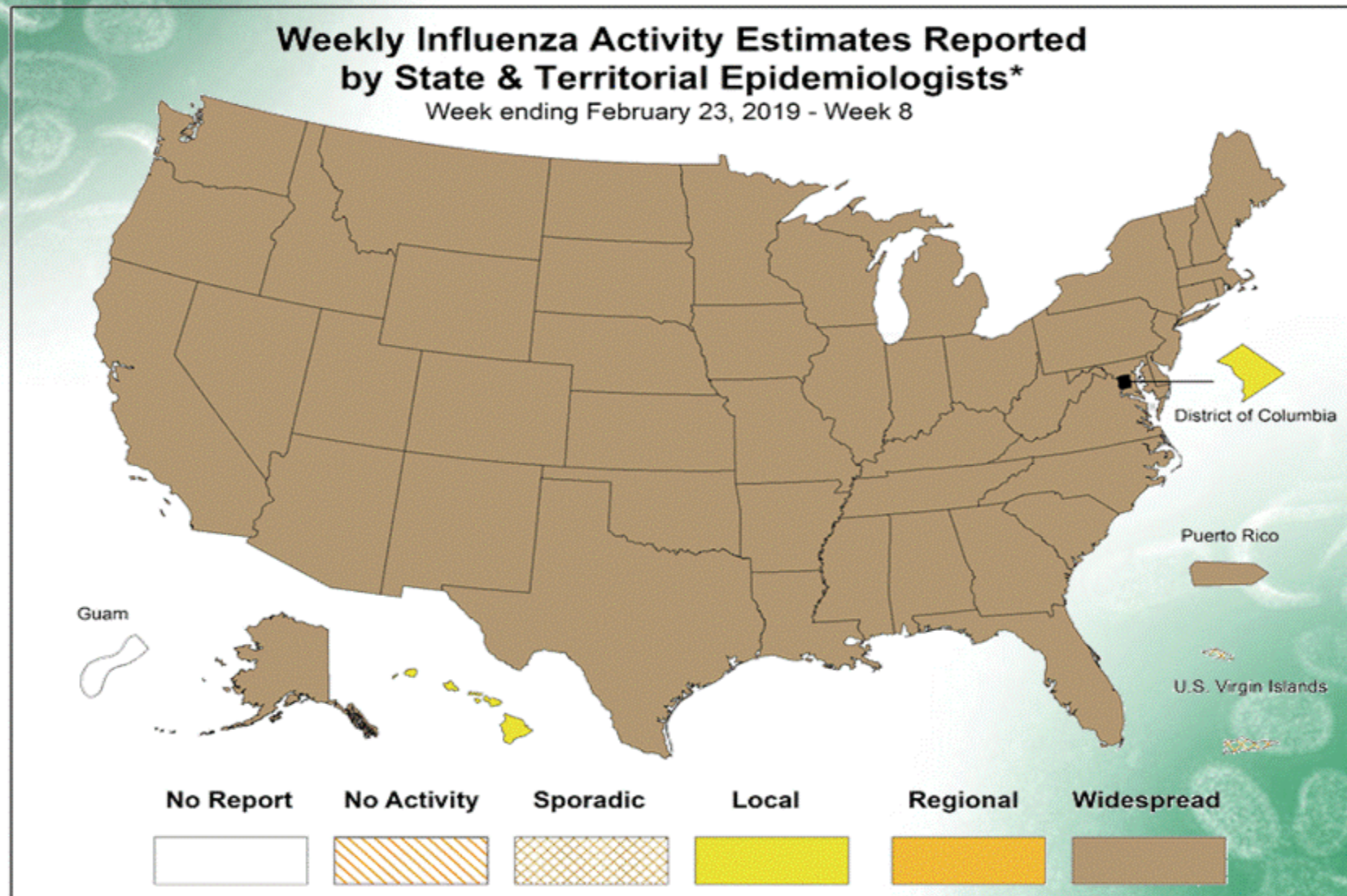
Missing values indicate that specimens were not tested for the disease during the week of interest.

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

FLUVIEW

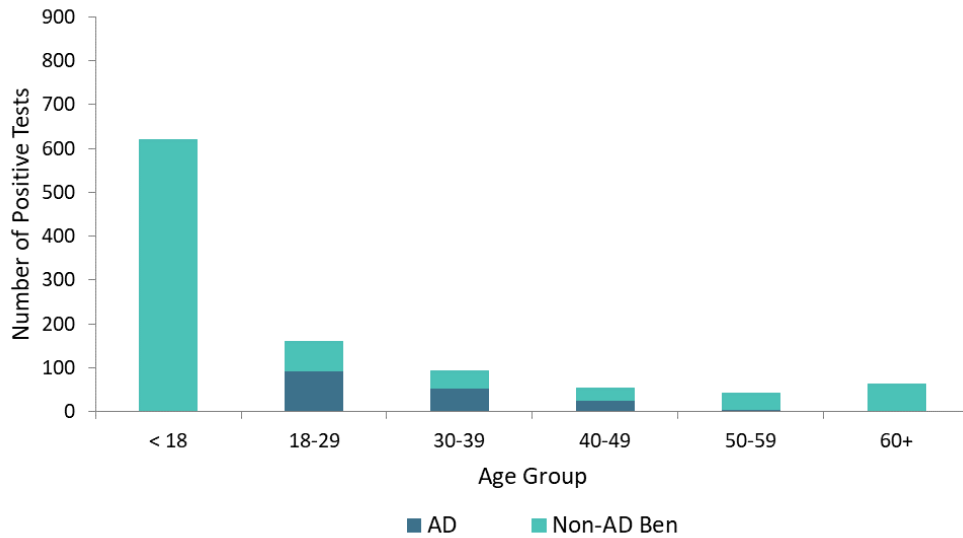


A Weekly Influenza Surveillance Report Prepared by the Influenza Division



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

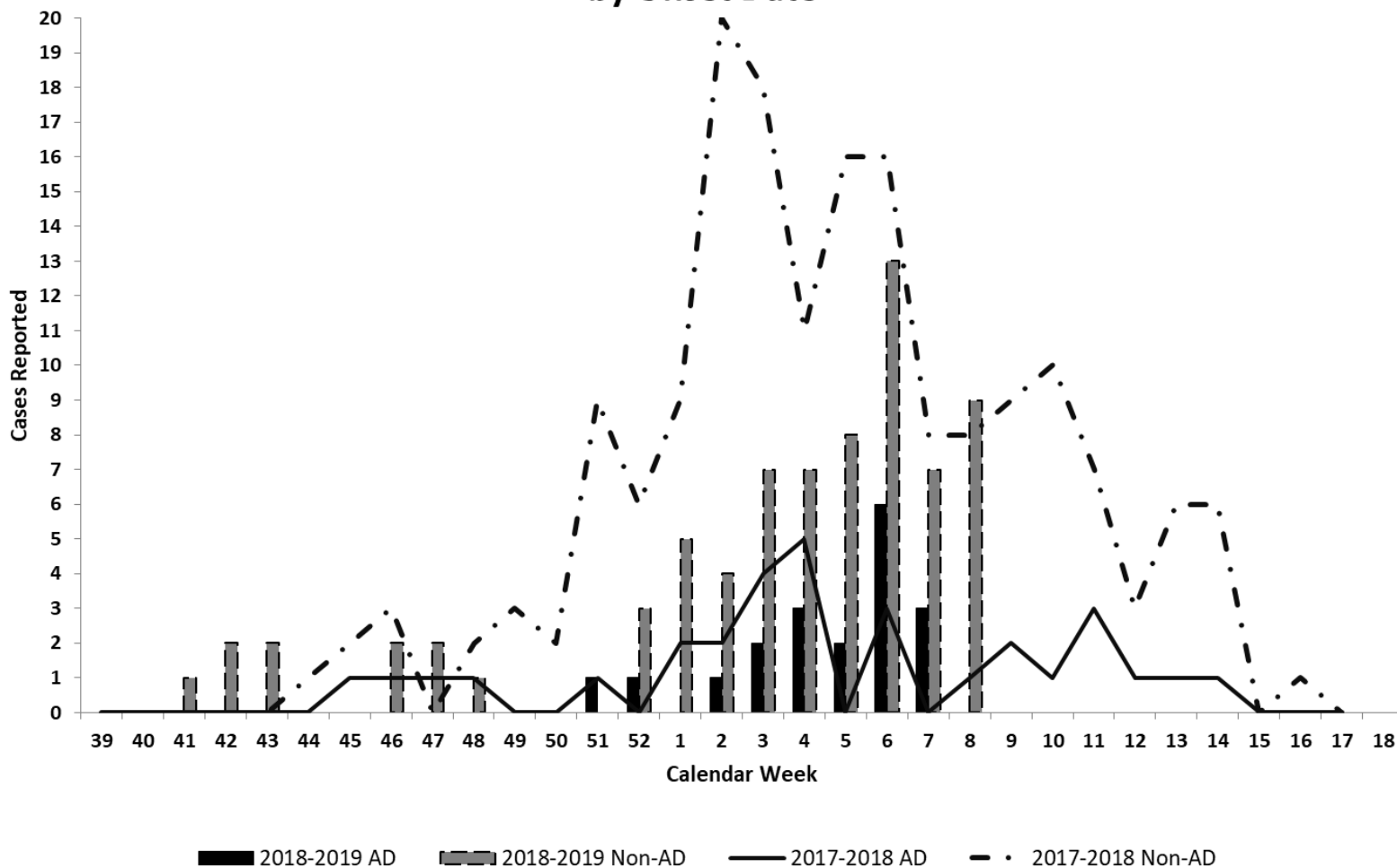
Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, 2018-2019 Influenza Season



Week 8			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	621	3605
18-29	93	66	819
30-39	53	40	634
40-49	26	28	456
50-59	5	37	306
60+	0	63	344
Total	177	855	6164



Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Date

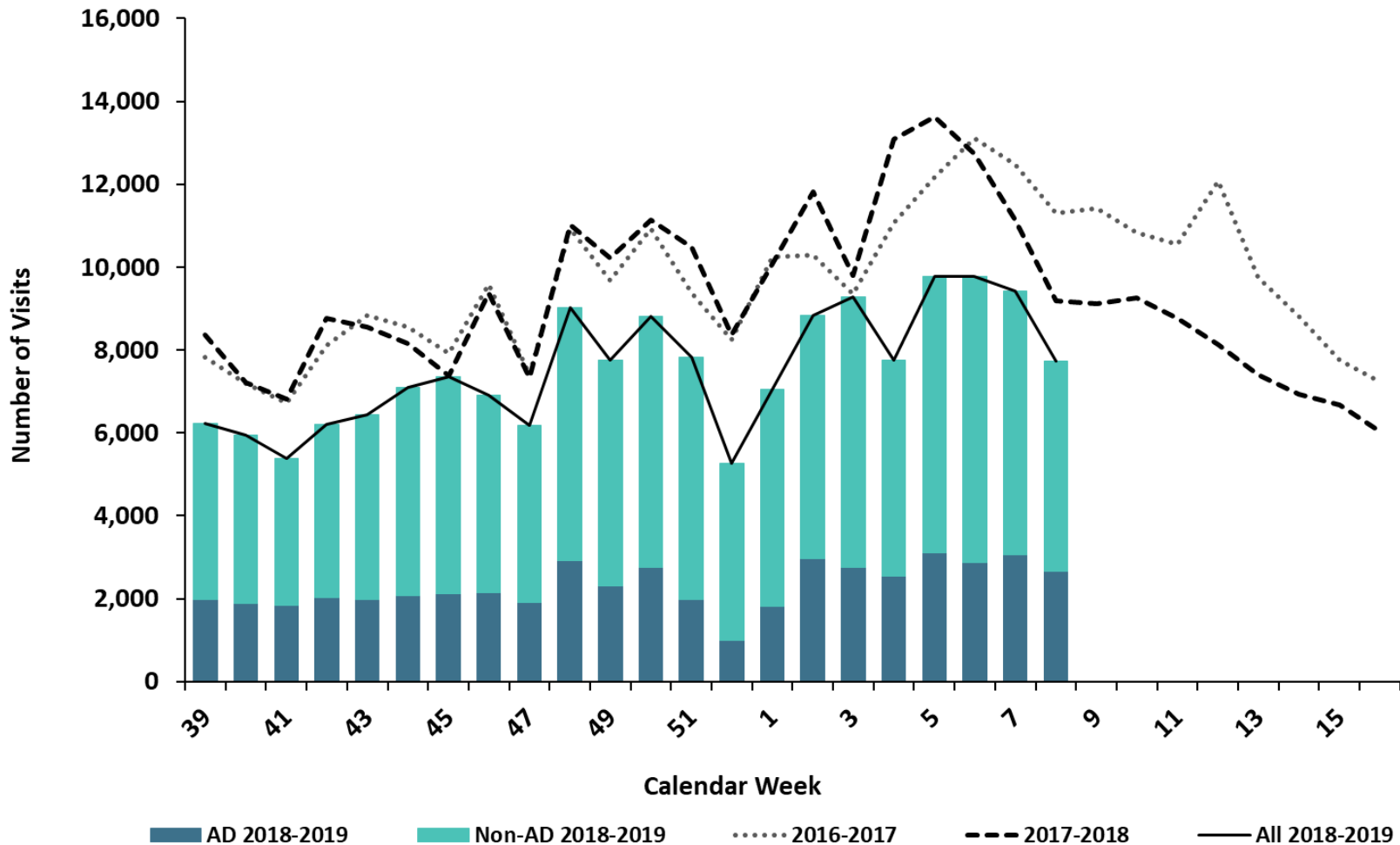


Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information.

Data as of 28 February 2019.

ESSENCE Weekly Outpatient Clinic Visits for Influenza-like Illness

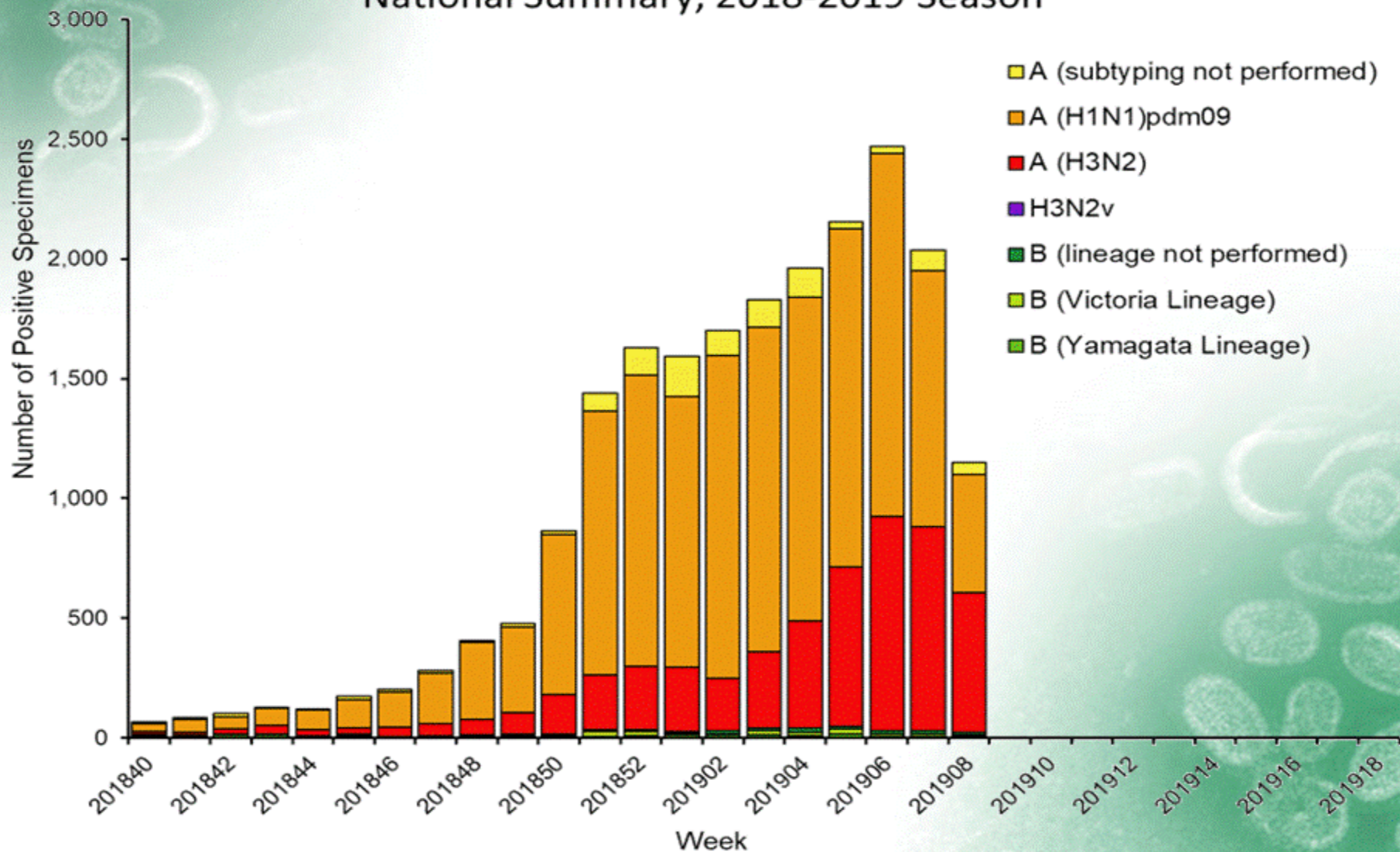
Army MTFs, All Services, 2016-2019



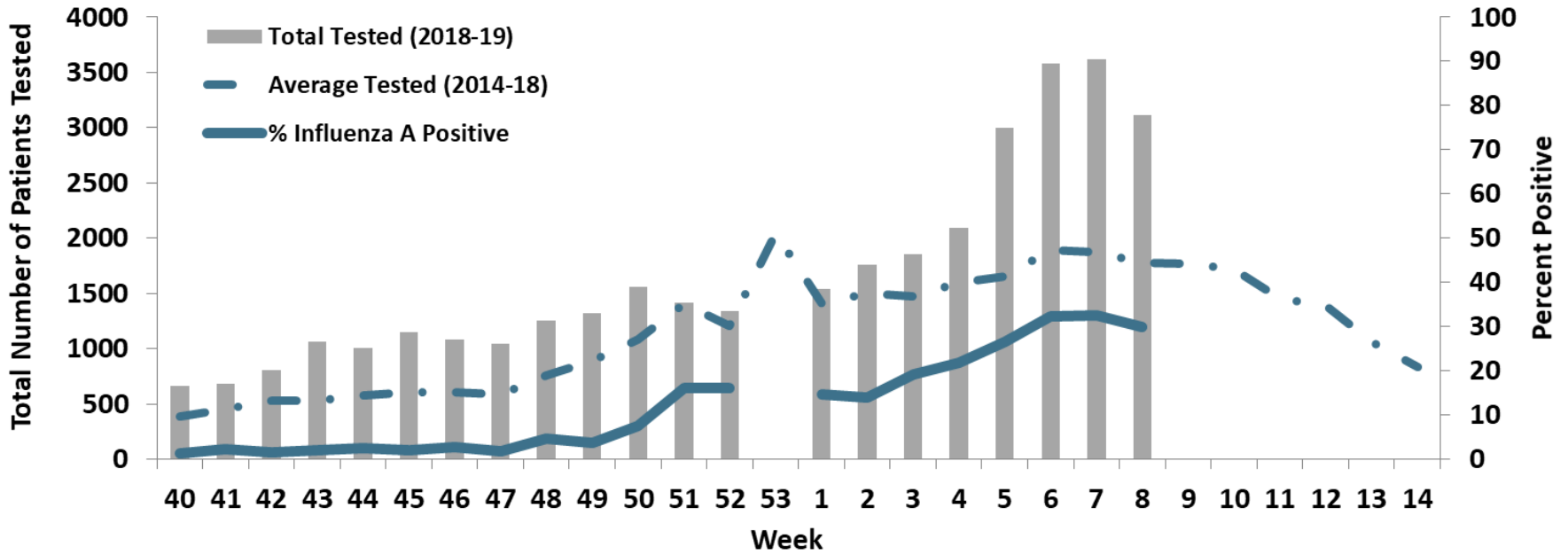
Clinic visits for ILI are obtained from ESSENCE. Data as of 28 February 2019.

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



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