

U.S. Army Public Health Center

Army Influenza Activity Report

Week ending 06 April 2019 (week 14)

Influenza Vaccination Coverage*

As of 4 April 2019

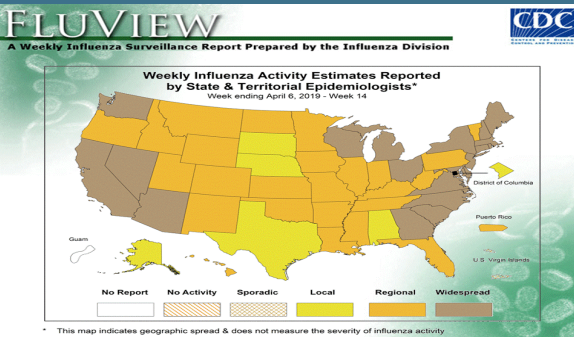
N/A	DoD
98%	Army Active Duty
89%	Army Guard
84%	Army Reserve

*Data Source: MEDPROS, ASIMS, MRRS

SUMMARY

A 29% decrease in the overall number of positive specimens was noted in the current week when compared to week 13; there were 586 samples in week 13 and 415 samples in week 14. Individual respiratory viruses trended downward also. Two influenza-associated hospitalizations with an onset date in week 14 were reported in the Disease Reporting System internet; one case was a vaccinated Active Duty Service Member. The majority of the cases continue to be reported from RHC-A and RHC-C, reporting 54% (189) and 37% (128) of the cases, respectively. Leaders should continue to stress the importance of proper hand hygiene and respiratory etiquette in the prevention of respiratory illnesses.

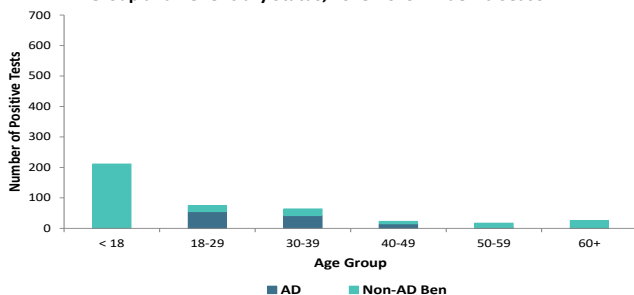
GEOGRAPHIC SPREAD



In the general U.S. population, widespread influenza activity was reported by 20 states. Regional activity was reported by Puerto Rico and 25 states, and local activity was reported by the District of Columbia and Hawaii. Sporadic activity was reported by U.S. Virgin Islands. Guam did not report to the Centers for Disease Control and Prevention (CDC) in week 14.

DEMOGRAPHICS

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

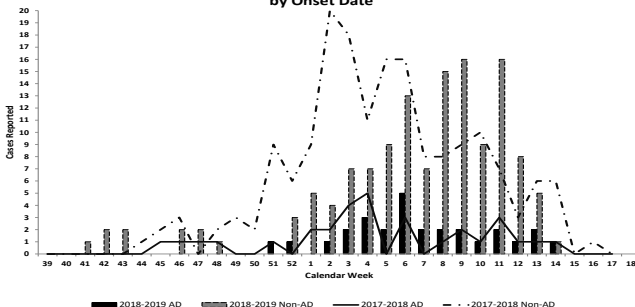


Active Duty (AD): In week 14, 28% (n=116) of the total positive specimens (n=415) were among AD Service Members (SMs). Forty-seven percent (n=55) of the positive specimens among AD Service Members were from individuals in the 18-29 age group.

Non-AD: The majority of the positive specimens continue to result from the non-AD population. In week 14, this group accounted for 72% (n=299) of the total positive specimens. Individuals younger than 18 years were disproportionately affected; they accounted for 71% (n=211) of the positive respiratory specimens among non-AD individuals in week 14.

INFLUENZA-ASSOCIATED HOSPITALIZATIONS

Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Date



Two influenza-associated hospitalizations, with an onset date in week 14, were reported in DRSi; one of the cases was a vaccinated AD SM. There have been 163 hospitalizations for the season: 28 AD SMs and 135 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

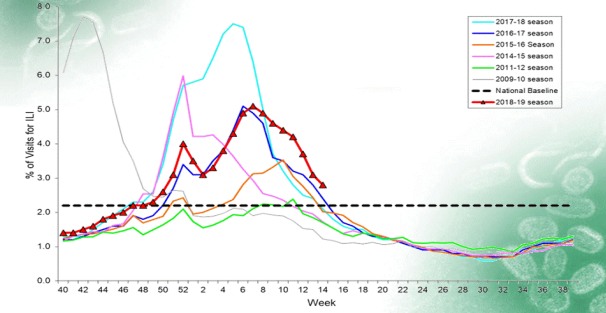
Questions?
[Email APHC DEP](#)
410-436-7605

ILI ACTIVITY - UNITED STATES

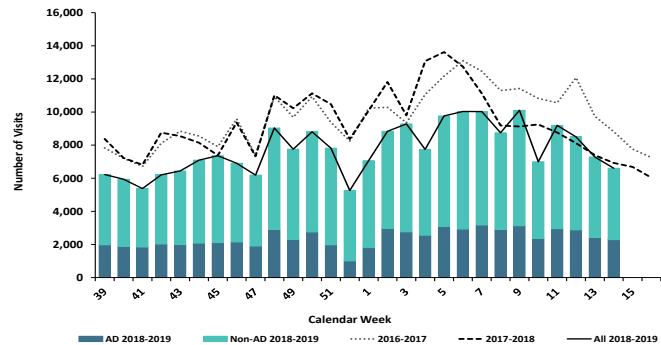
ILI ACTIVITY - ARMY

FLUVIEW

A Weekly Influenza Surveillance Report Prepared by the Influenza Division
 Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2018-2019 and Selected Previous Seasons



ESSENCE Weekly Outpatient Clinic Visits for Influenza-like Illness
 Army MTFs, All Services, 2016-2019

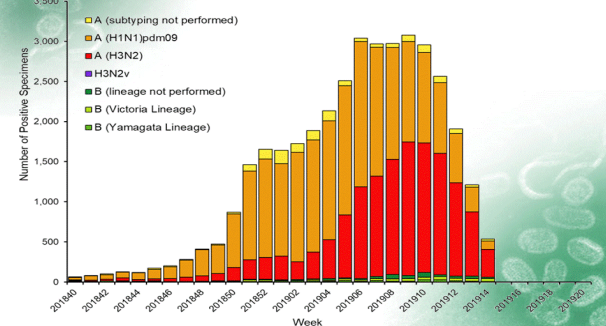


Nationwide in week 14, incidence of ILI activity was 2.8%, which is above the national baseline of 2.2%. Regionally, the percentage of ILI outpatient visits reported to the CDC ranged from 1.9% to 3.9%. At Army medical treatment facilities, overall incidence of ILI activity decreased by 9% when compared to the previous week. ILI activity among the AD population also decreased by 6% from week 13 to week 14. When compared to week 14 of the 2017-2018 season, there were 5% fewer ILI outpatient visits in week 14 of the current season.

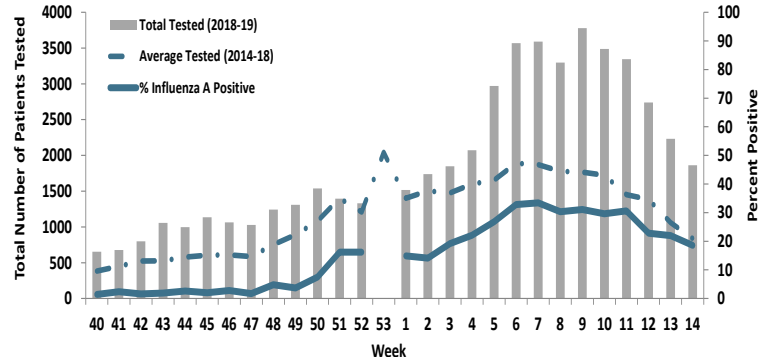
LABORATORY RESPIRATORY SPECIMEN TESTING

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



Nationwide, 1090 specimens were tested and submitted to the CDC during week 14, of which 720 (66%) 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 54% (n=189) and 37% (n=128) of the positive specimens, respectively. Influenza A activity was markedly lower in RHC-P and RHC-E, accounting for 6% (n=21) and 3% (n=10) of the positive influenza A specimens, respectively.

		Week 11	Week 12	Week 13	Week 14	Season Total
Test Types Among Positive Influenza A Specimens	RAT	717	398	352	268	6910
	Culture	10	16	5	13	455
	PCR	297	211	134	66	3598
Army MTF Laboratory Results, 2018-19	Influenza A	1024	625	491	347	10963
	Influenza B	38	30	47	31	449
	Adenovirus	17	24	12	8	414
	Enterovirus	0	0	0	0	5
	Parainfluenza	13	14	12	9	350
	RSV	45	33	24	20	1813
	Negative	4793	4259	3720	3222	88287
	Total	5930	4985	4306	3637	102281

The number of positive respiratory specimens decreased by 29% from week 13 to week 14; there were 586 positive specimens in week 12 and 415 in week 14. All respiratory pathogens decreased in the number of positive specimens from week 13 to week 14: influenza A, influenza B, adenovirus, parainfluenza, and respiratory syncytial virus decreased by 29%, 34%, 33%, 25%, and 17% respectively.

Locations providing week 14 laboratory data as of 10 April 2019: Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, 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 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 % Positive	No. Tested	% Positive	Baseline % Positive	No. Tested	% Positive	Baseline % Positive
RHCA	Ft. Belvoir	334	22.8	5.1	141	3.5	100	62	6.5	100
	Ft. Benning	78	6.4	3.1	79	1.3	7.5			
	Ft. Bragg	126	31.7	6.9			100			
	Ft. Campbell	91	11	2.5	92	0	12			100
	Ft. Drum	18	22.2	8.3	1	100	100			
	Ft. Eustis			25			100			
	Ft. Gordon	76	22.4	2.3	75	0	11.1			100
	Ft. Jackson	69	18.8	0	71	0	20.8			
	Ft. Knox	13	7.7	0	13	0	33.3			
	Ft. Lee	27	29.6	33.3			100			
	Ft. Meade	7	28.6	0						
	Ft. Rucker	8	12.5	0	8	0	0			
	Ft. Sam Houston	168	10.7	0	173	1.7	5			100
	Ft. Stewart	43	2.3	0	43	4.7	7.7			
	Redstone Arsenal	7	0	0	7	0	0			
West Point Military Academy	26	42.3	21.4	11	0	100			100	
RHCC	Ft. Bliss	139	8.6	4.3	106	1.9	11.1	20	10	0
	Ft. Carson	84	13.1	0			100			
	Ft. Hood	125	7.2	0	124	2.4	1.5	19	5.3	
	Ft. Huachuca	4	25	50	4	0	0			
	Ft. Irwin	35	31.4	10	36	2.8	0			
	Ft. Leavenworth	41	26.8	0	43	2.3	7.1			
	Ft. Leonard Wood	104	31.7	16.7	104	0	5.4			
	Ft. Polk	67	17.9	0			100			
	Ft. Riley	42	14.3	0	42	7.1	3.8			
Ft. Sill	26	15.4	16.7			100				
RHCE	Landstuhl Regional Medical	36	25	20.9	27	0	3.4	26	0	3.4
RHCP	Ft. Wainwright	32	6.3	9.1	33	21.2	20.8			
	Korea	42	19	11.8	18	5.6	3.2	19	5.3	0
	Tripler Army Medical Center	80	13.8	0	58	1.7	4.7	57	0	2.3

Region	Installation	Enterovirus			Parainfluenza			RSV		
		No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.
RHCA	Ft. Belvoir				67	4.5	100	145	2.1	0
	Ft. Campbell						100			100
	Ft. Drum			100				2	50	0
	Ft. Gordon						100			100
	Ft. Sam Houston						100			
	Ft. Stewart							7	28.6	16.7
	West Point Military Academy						100			
RHCC	Ft. Bliss							104	2.9	5.6
	Ft. Carson							24	16.7	0
	Ft. Hood				21	14.3		38	5.3	42.2
	Ft. Leavenworth							14	7.1	0
	Ft. Leonard Wood						100			
	Ft. Polk							11	0	0
	Ft. Riley							14	7.1	6.7
	Ft. Sill									0
RHCE	Landstuhl Regional Medical				28	3.6	0	30	3.3	9.1
RHCP	Ft. Wainwright							30	3.3	13.9
	Korea			0	19	5.3	0	18	0	0
	Tripler Army Medical Center	57	0	0	58	1.7	4.5	1	100	100

No.: Number of specimens tested during MMWR week 14 2019.

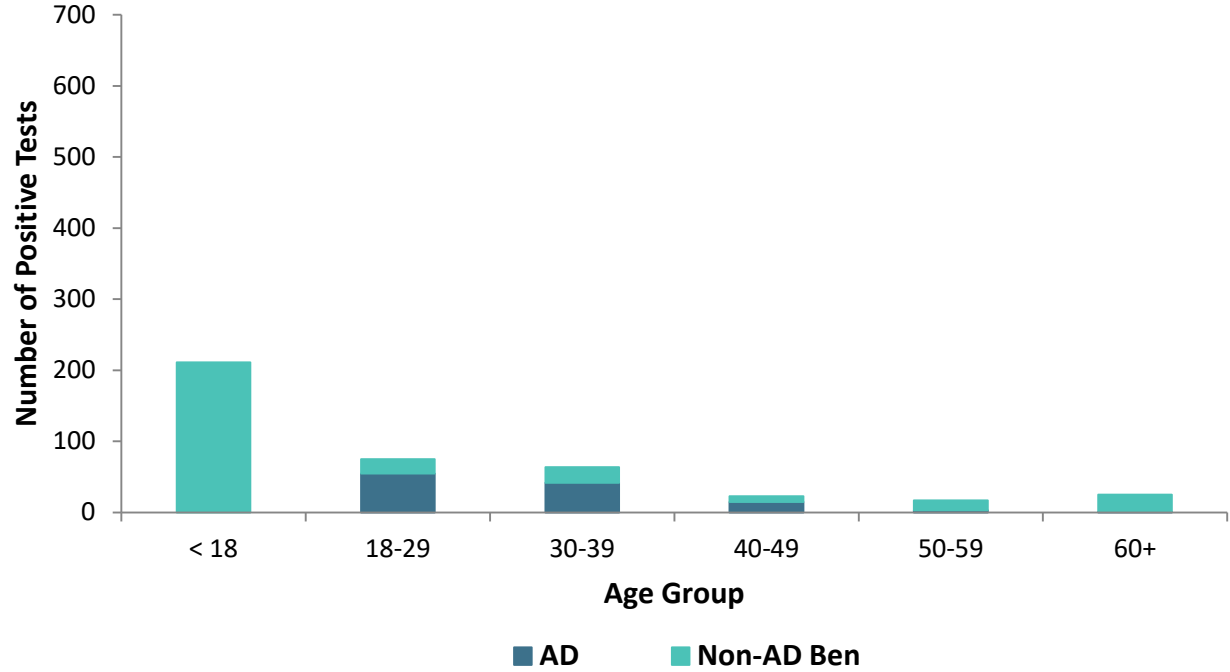
% Positive: Percentage of positive specimens reported during MMWR week 14, 2019.

Baseline % Pos.: Percentage of positive specimens reported in MMWR week 14 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.

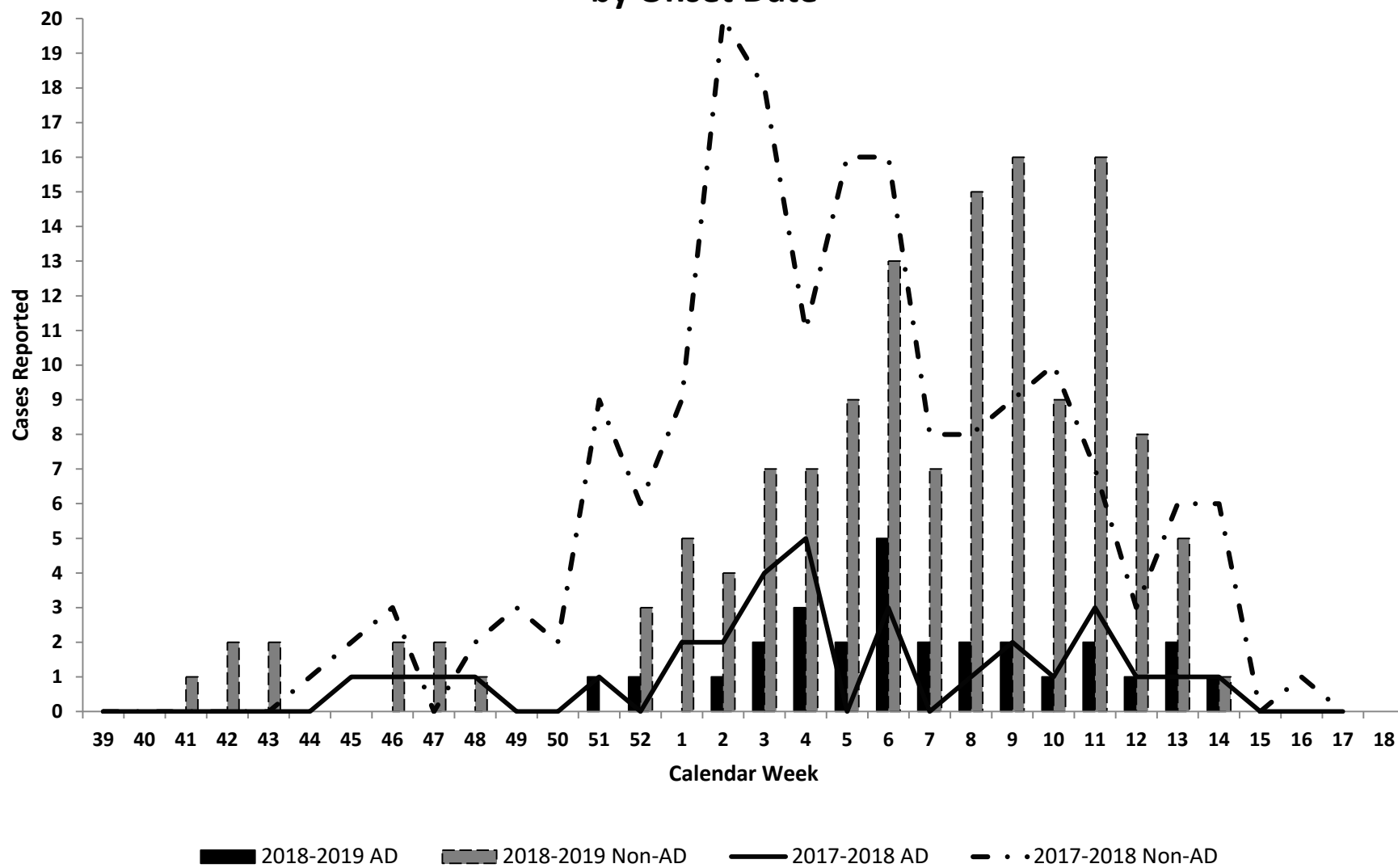
Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, 2018-2019 Influenza Season



Week 14			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	211	6259
18-29	55	20	1697
30-39	42	22	1160
40-49	15	8	734
50-59	3	14	514
60+	1	24	599
Total	116	299	10963



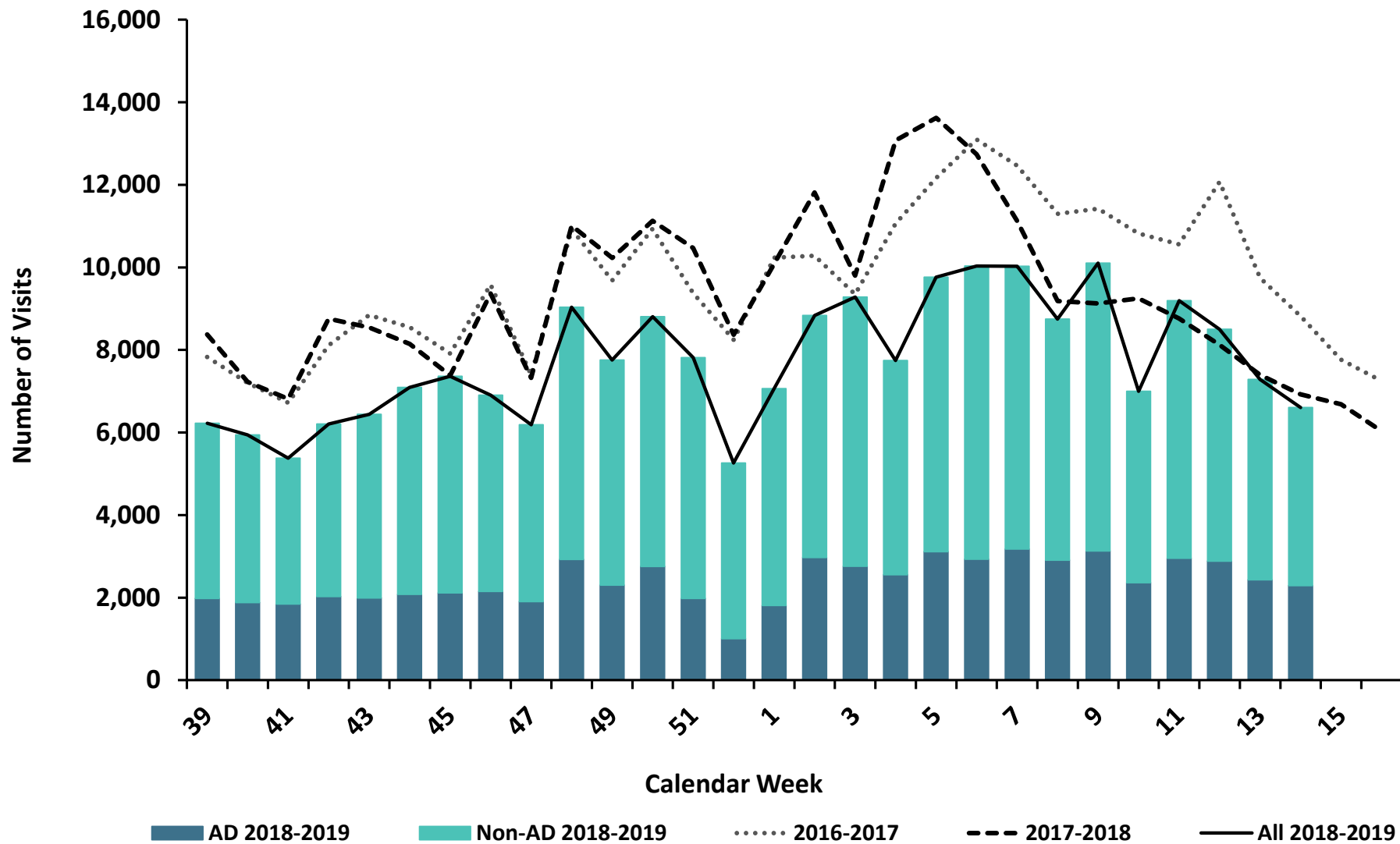
Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Date



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 10 April 2019.

ESSENCE Weekly Outpatient Clinic Visits for Influenza-like Illness

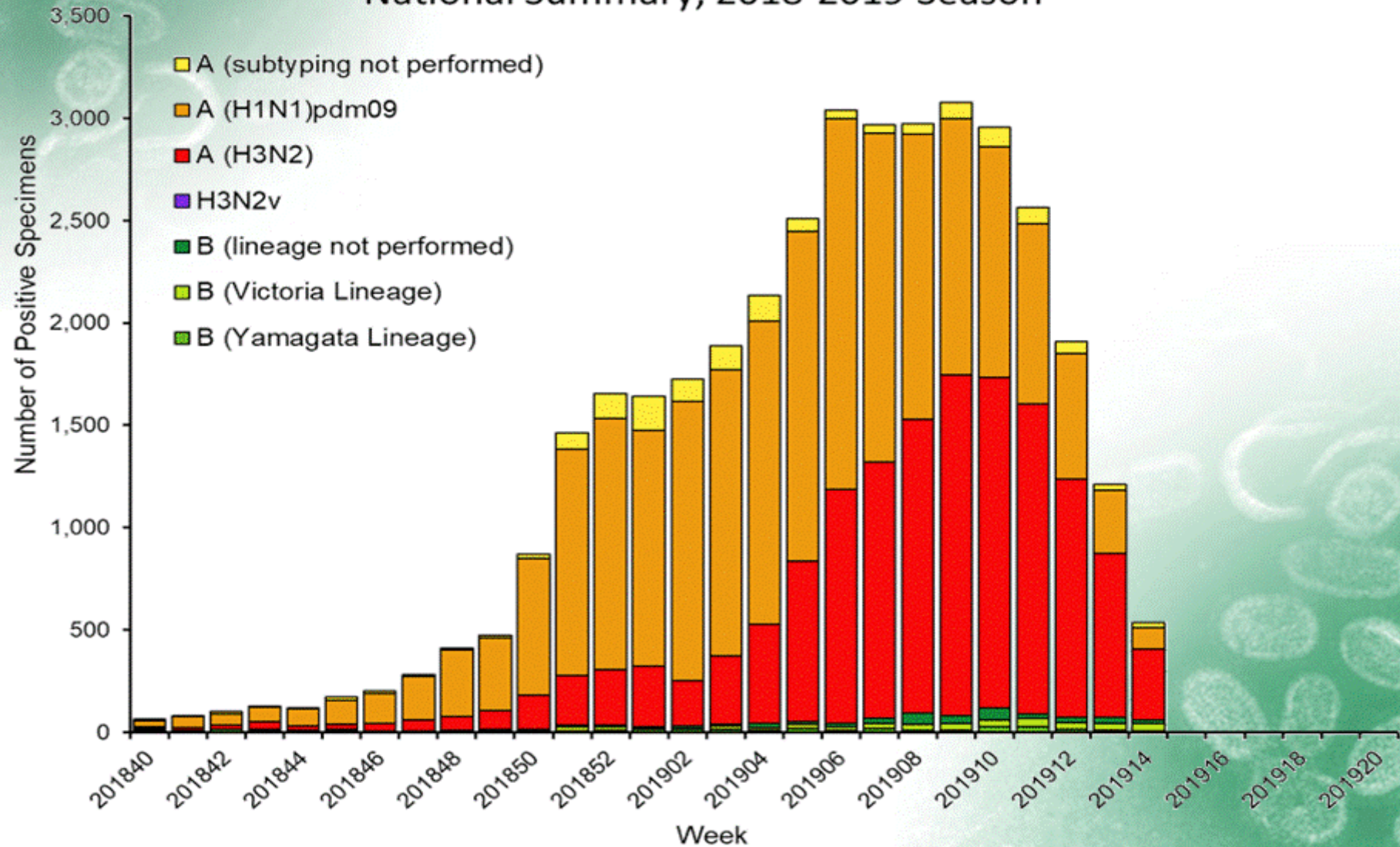
Army MTFs, All Services, 2016-2019



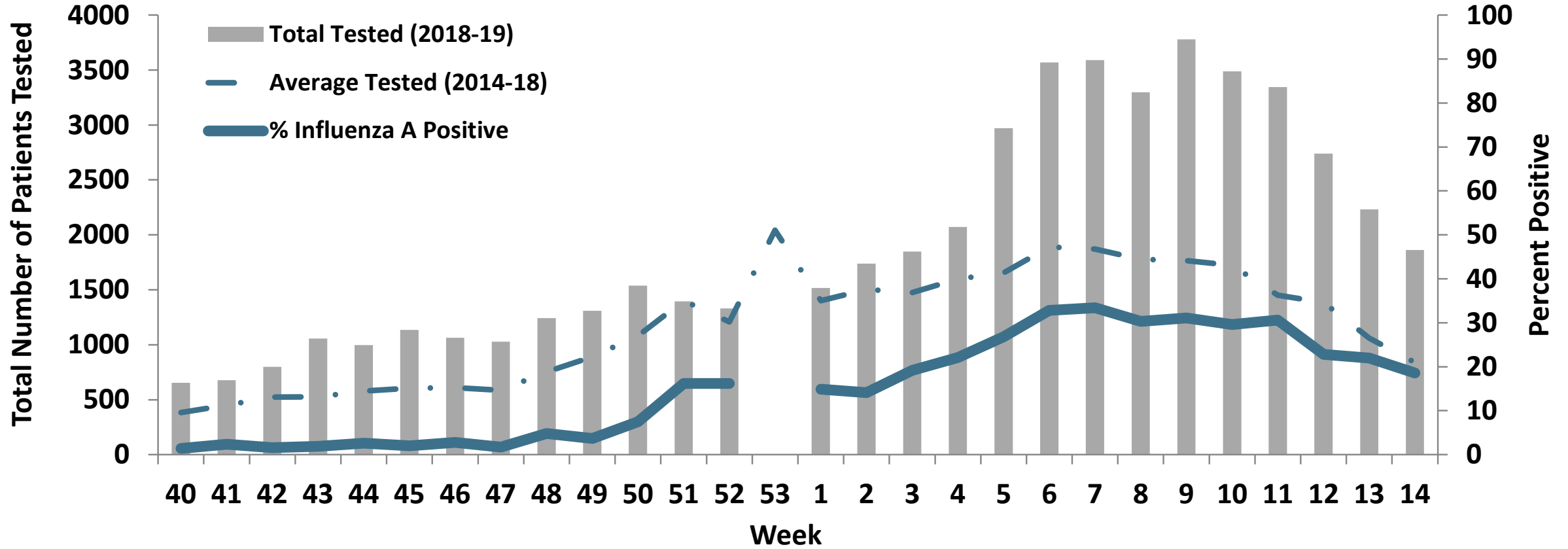
Clinic visits for ILI are obtained from ESSENCE. Data as of 11 April 2019.

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