

U.S. Army Public Health Center

# Army Influenza Activity Report

Week ending 21 April 2018 (week 16)

## Influenza Vaccination Coverage\*

As of 22 February 2018

N/A	DoD
97%	Army Active Duty
88%	Army Guard
82%	Army Reserve

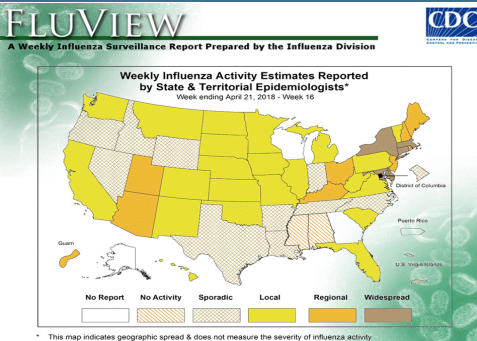
\*Data Source: MEDPROS, ASIMS, MRRS

## SUMMARY

**Influenza continues to be present, although activity was minimal across each region. In week 16, 6% (74) of specimens received were positive. Of these positive specimens, 51% were positive for influenza B, 32% for influenza A, 12% for RSV, 3% for adenovirus, and 1% were positive for parainfluenza. 11 influenza-associated hospitalizations were reported to DRSi (2 AD and 9 non-AD); only one case reported had an onset of symptoms in week 16. This influenza season had more than double the number of hospitalizations reported in DRSi as compared to last season. This is the final influenza report for the current season.**

## GEOGRAPHIC SPREAD

Click to enlarge images

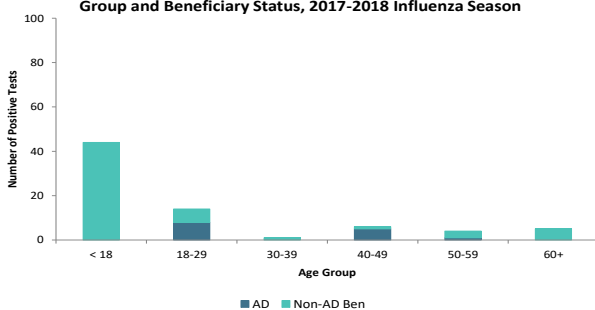


## UNITED STATES

In week 16, widespread influenza activity was reported to the CDC by four states. Regional activity was reported by Guam, Puerto Rico, and nine states. Local activity was reported by 25 states. Sporadic activity was reported by the District of Columbia, the U.S. Virgin Islands, and 10 states, and no influenza activity was reported by 2 states.

## DEMOGRAPHICS

Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, 2017-2018 Influenza Season

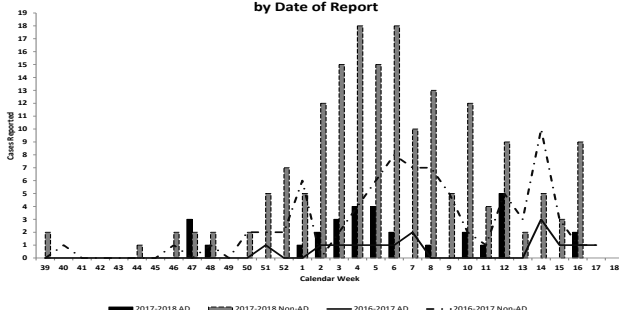


**AD:** In week 16, there was a total of 14 positive respiratory illness specimens from Active Duty (AD) Service Members; 57% (8) from individuals in the 18-29 age group, followed by 36% (5) in the 40-49 age group, and 7% (1) in the 50-59 age group. There were no cases in the 50-59 and 60+ age groups.

**Non-AD:** A total of 60 positive respiratory illness specimens were among non-AD beneficiaries. 73% (44) of specimens came from patients under 18 years old.

## INFLUENZA-ASSOCIATED HOSPITALIZATIONS

Army Influenza-Associated Hospitalizations Reported in DRSi by Date of Report



In week 16, 11 influenza-associated hospitalizations were reported in DRSi for 2 AD and 9 non-AD cases. Three cases were vaccinated. Only one of the cases reported in week 16 had an onset date in week 16; the rest were back-reported from earlier in the season.

There has been a total of 209 hospitalizations this season; 178 non-AD and 31 AD. By this time last season, 92 hospitalizations were reported in DRSi; 13 AD and 79 non-AD.

Approximately 25% of all cases this season were vaccinated. The month with the most cases by onset date was January (83).

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

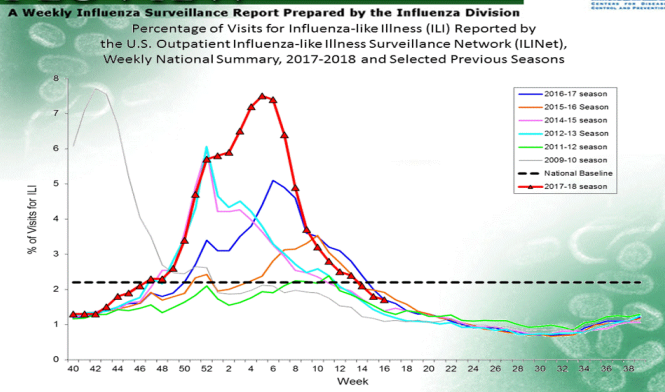
**Key:** ILI-Influenza-Like Illness; DRSi- Disease Reporting System Internet; NHRC- Naval Health Research Center; ADV-Adenovirus; RSV-Respiratory Syncytial Virus; DED- Disease Epidemiology Division; SM-Service Member

**Questions?**  
Email [APHC\\_DEP](mailto:APHC_DEP)  
410-436-7605

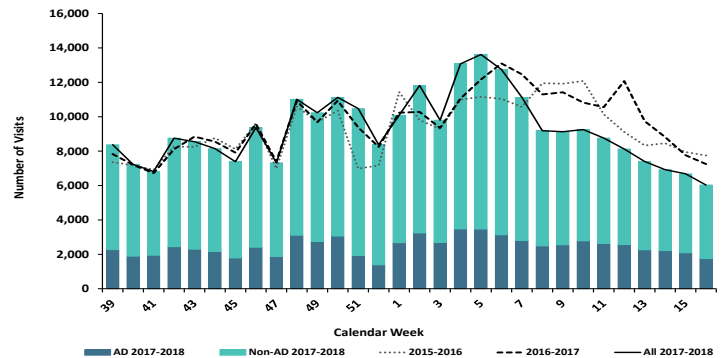
## ILI ACTIVITY - UNITED STATES

## ILI ACTIVITY - ARMY

### FLUVIEW



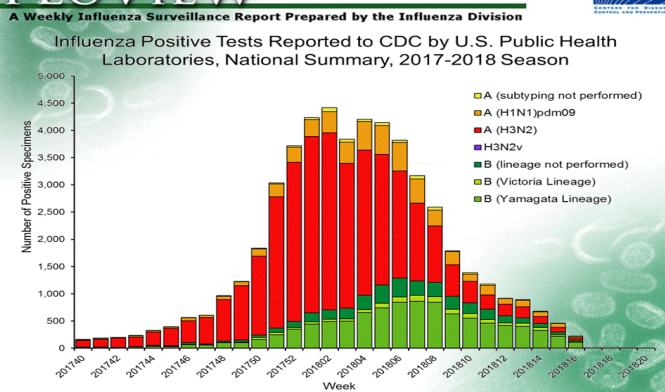
ESSENCE Weekly Outpatient Clinic Visits for Influenza-like Illness  
 Army MTFs, All Services, 2015-2018



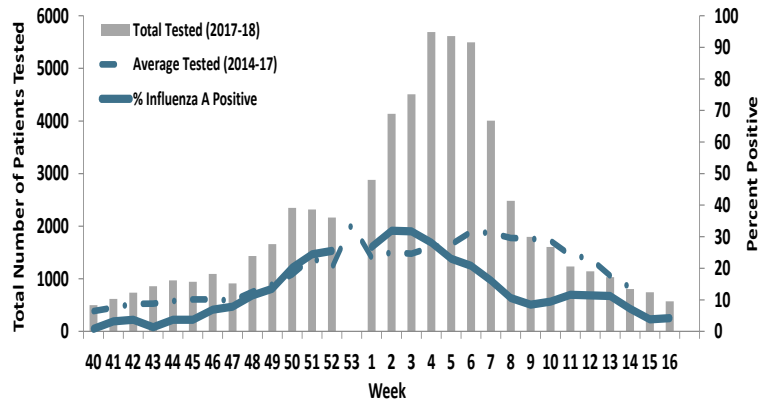
The number of patient visits due to influenza-like illness (ILI) reported to CDC in week 16 was 1.7%, well below the national baseline of 2.2%. In week 16, there was a 10% decrease in the overall number of ILI-related visits in the Army population since week 15, and an 15% decrease in the number of ILI-related visits among AD patients. The majority of ILI-related visits in week 16 were among non-AD (70%) patients.

## LABORATORY RESPIRATORY SPECIMEN TESTING

### FLUVIEW



Proportion of Positive Influenza A Specimens for U.S. Army 2017-2018



Nationwide, 29.6% of specimens tested positive for influenza A, and 70.4% were positive for influenza B in week 16. In the Army population, 4.2% of 570 specimens tested were positive for influenza A. Of the positive influenza A specimens, 19 (79%) were from non-active duty individuals. RHC-A reported the most specimens (46%), followed by RHC-P (38%) and RHC-C (17%). RHC-E had no positive influenza A specimens in week 16.

		Week 13	Week 14	Week 15	Week 16	Season Total
Test Types Among Positive Influenza A Specimens	RAT	82	85	71	38	8602
	Culture	4	4	1	1	536
	PCR	57	41	44	19	2376
Army MTF Laboratory Results, 2017-18	Influenza A	116	58	28	24	11514
	Influenza B	111	84	62	38	5120
	Adenovirus	13	11	10	2	309
	Enterovirus	0	0	0	0	16
	Parainfluenza	15	9	10	1	295
	RSV	31	21	14	9	1183
	Negative	2020	1592	1612	1178	93553
	<b>Total</b>	<b>2306</b>	<b>1775</b>	<b>1736</b>	<b>1252</b>	<b>111990</b>

In week 16, 6% (74) of specimens tested positive for a respiratory pathogen. Influenza A and B accounted for 32% (24) and 51% (38) of the positive specimens, respectively. RSV accounted for 12% (9) of the positive specimens, adenovirus for 3% (2), and parainfluenza accounted for 1% (1) of the total positive respiratory specimens in week 16. There were no positive enterovirus specimens in week 16.

**Locations providing week 16 laboratory data as of 25 April 2018:** Korea, Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, 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, Redstone Arsenal, Tripler, and West Point.

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 % Pos.	No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.
RHCA	Ft. Belvoir*	85	5.9	5.1	6	100	100	1	100	100
	Ft. Benning	116	6.9	4.2	119	10.1	7.3			
	Ft. Bragg	57	3.5	3.6	5	100	100			
	Ft. Campbell	25	0	0	34	8.8	12	2	100	100
	Ft. Drum	2	0	0	1	100	100			
	Ft. Eustis	16	31.3	24.4	1	100	100			
	Ft. Gordon	61	6.6	3.9	12	0	13.1	2	100	100
	Ft. Jackson	43	7	4.6	43	7	7.3			
	Ft. Lee	10	0	0	4	100	100			
	Ft. Meade	6	0	0						
	Ft. Rucker	1	100	33.3	6	16.7	8.3			
	Ft. Stewart	26	7.7	3.8	34	8.8	5.9			
	Redstone Arsenal	7	0	0	8	0	0			
West Point	3	0	5.3	2	100	100	2	100	100	
RHCC	Ft. Bliss	56	5.4	3.9	14	28.6	58	14	28.6	28.6
	Ft. Carson	34	0	11.1	6	100	100			
	Ft. Hood	58	3.4	1.7	60	1.7	0.8			
	Ft. Irwin*	6	0	0	6	16.7	8.3			
	Ft. Leavenworth	11	0	2.8	11	18.2	16.7			
	Ft. Leonard Wood	16	0	5.3	17	0	0			
	Ft. Polk	29	31	10.3						
	Ft. Riley	30	3.3	3.7	30	10	2.5			
	Ft. Sam Houston	94	0	0	94	9.6	9.6			
Ft. Sill	30	0	2.8	1	100	100				
RHCE	Landstuhl Regional Medical Center	18	0	8.6	17	0	8.3	17	0	0
RHCP	Ft. Wainwright	25	28	9.3	25	8	2.7			
	Brian Allgood Army Community Hospital	14	0	2.6	4	0	4.2	4	0	8.3
	Tripler Army Medical Center	37	2.7	7.3	2	100	100	2	100	100
Region	Installation	Enterovirus			Parainfluenza			RSV		
		No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.
RHCA	Ft. Belvoir*				1	100	100	11	9.1	5.1
	Ft. Campbell				3	100	100			
	Ft. Drum							2	0	0
	Ft. Gordon				1	100	100			
	Ft. Stewart							3	0	0
	West Point				2	100	100			
RHCC	Ft. Bliss							10	0	0
	Ft. Carson							16	12.5	19.4
	Ft. Leavenworth							3	0	0
	Ft. Polk							2	0	12.5
	Ft. Riley							11	0	1.9
	Ft. Sill							3	0	10
RHCE	Landstuhl Regional Medical Center				19	10.5	3.5	17	0	7.4
RHCP	Ft. Wainwright							9	0	8.3
	Brian Allgood Army Community Hospital	7	0	0	4	0	4.2	4	0	0
	Tripler Army Medical Center	10	100	100	4	100	100	1	100	100

No. Tested: Number of specimens tested during MMWR week 16, 2018.

% Pos.: Percentage of positive specimens reported during MMWR week 16, 2018.

Baseline % Pos.: Weekly historical average of the percentage of positive specimens reported during influenza seasons from September 2012 - May 2017.

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

Incidence rules: An individual can only test positive once per disease and season; if an individual has tested positive for a specific disease and returns at a later date to be tested for that same disease, their tested specimens will not contribute to the above calculations; an individual will contribute to the "number of specimens tested" column until they test positive for a disease.

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

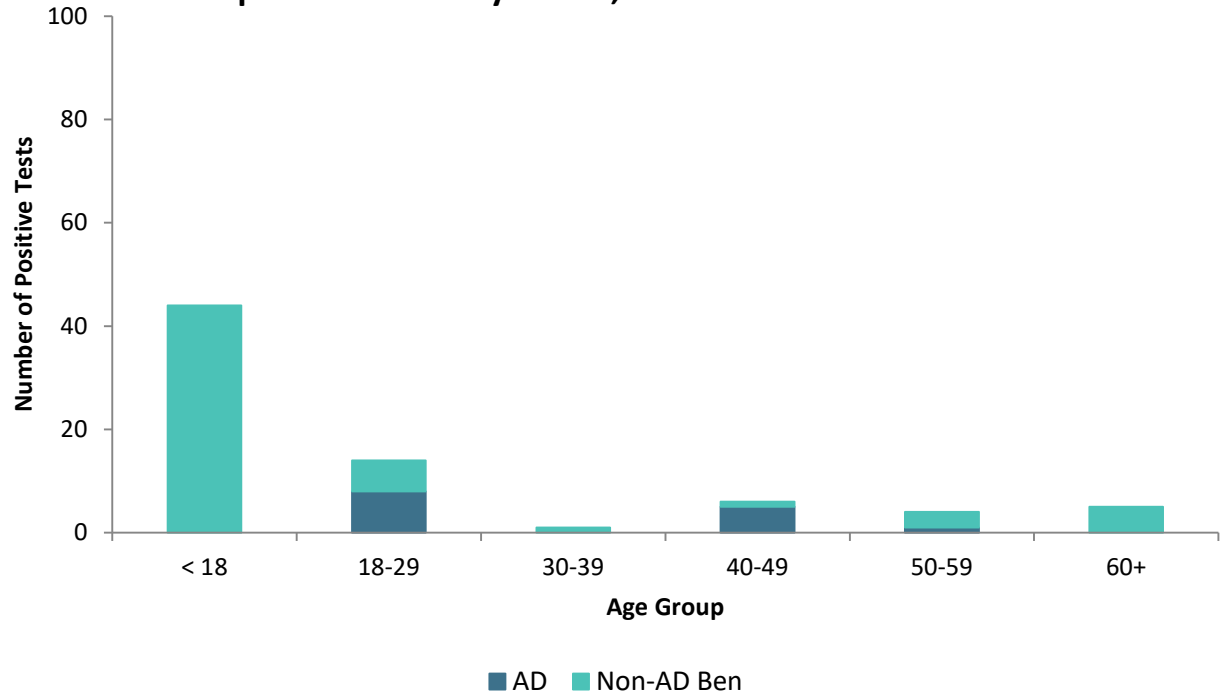
\*Incomplete data for week 16.







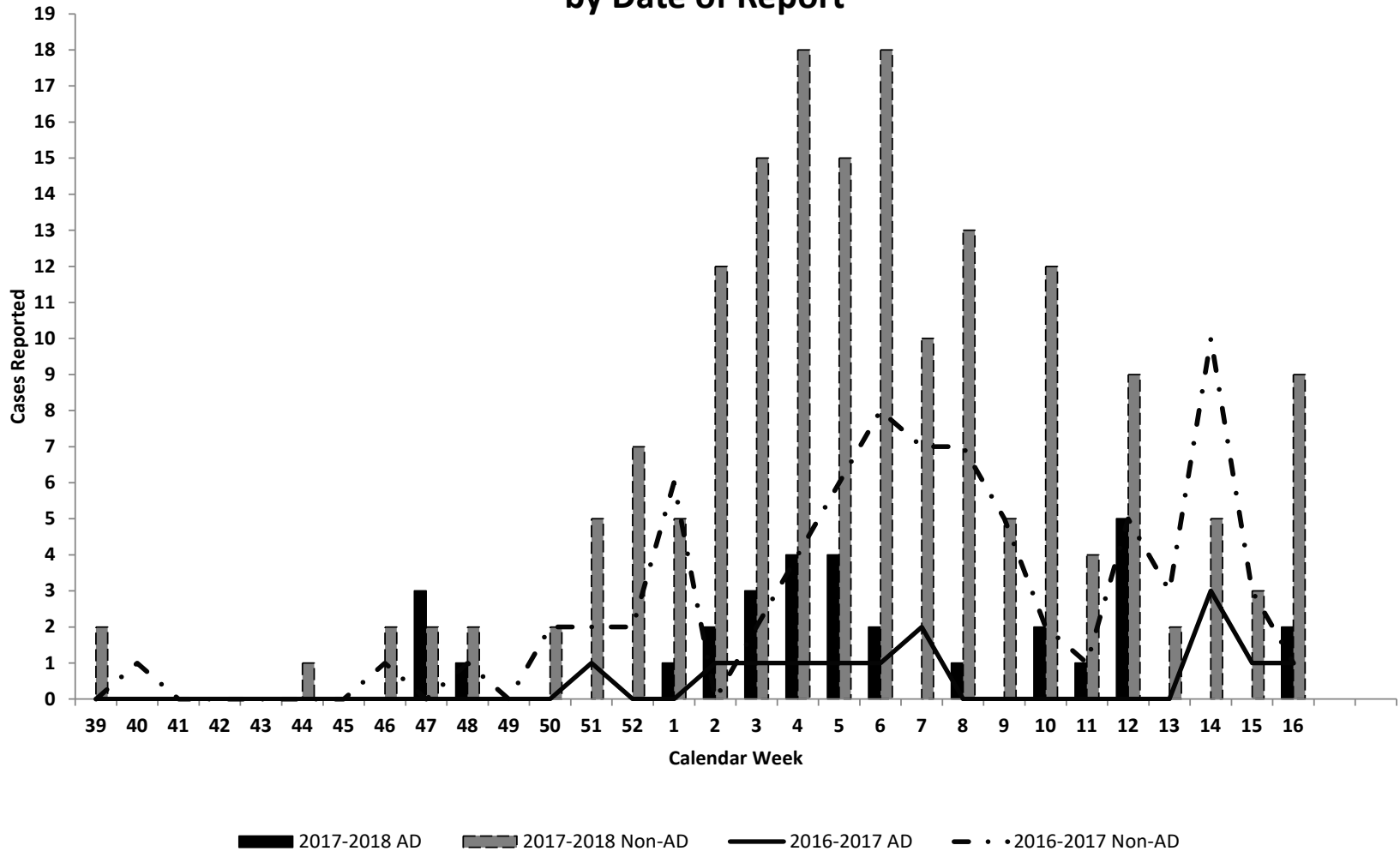
**Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, 2017-2018 Influenza Season**



<b>Week 16</b>			
<b>Age Group</b>	<b>AD</b>	<b>Non-AD Ben</b>	<b>Season Total</b>
< 18	0	44	<b>5695</b>
18-29	8	6	<b>1840</b>
30-39	0	1	<b>1226</b>
40-49	5	1	<b>880</b>
50-59	1	3	<b>845</b>
60+	0	5	<b>1028</b>
<b>Total</b>	<b>14</b>	<b>60</b>	<b>11514</b>



## Army Influenza-Associated Hospitalizations Reported in DRSi by Date of Report



**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 25 April 2018.

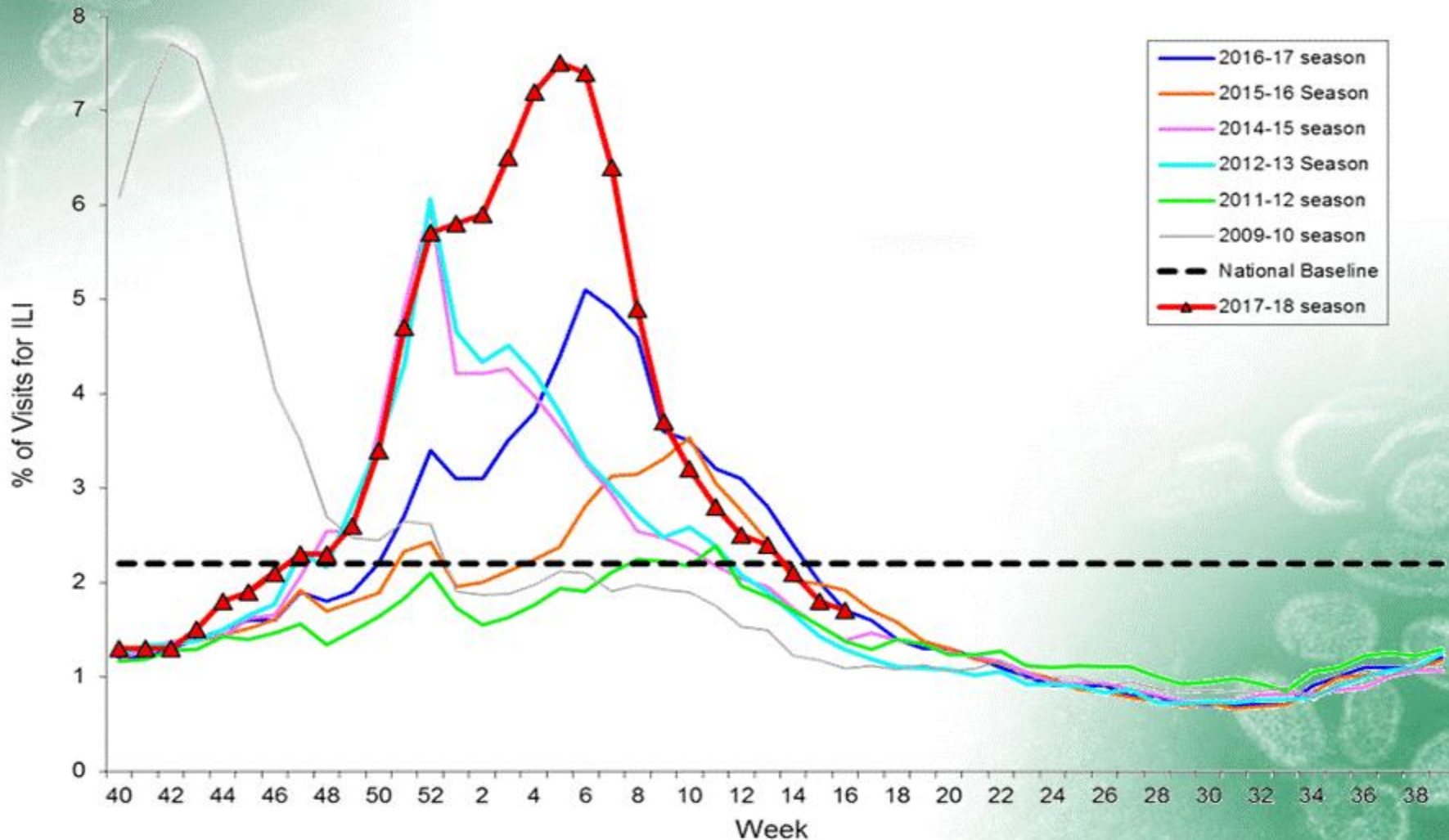


# FLUVIEW



**A Weekly Influenza Surveillance Report Prepared by the Influenza Division**

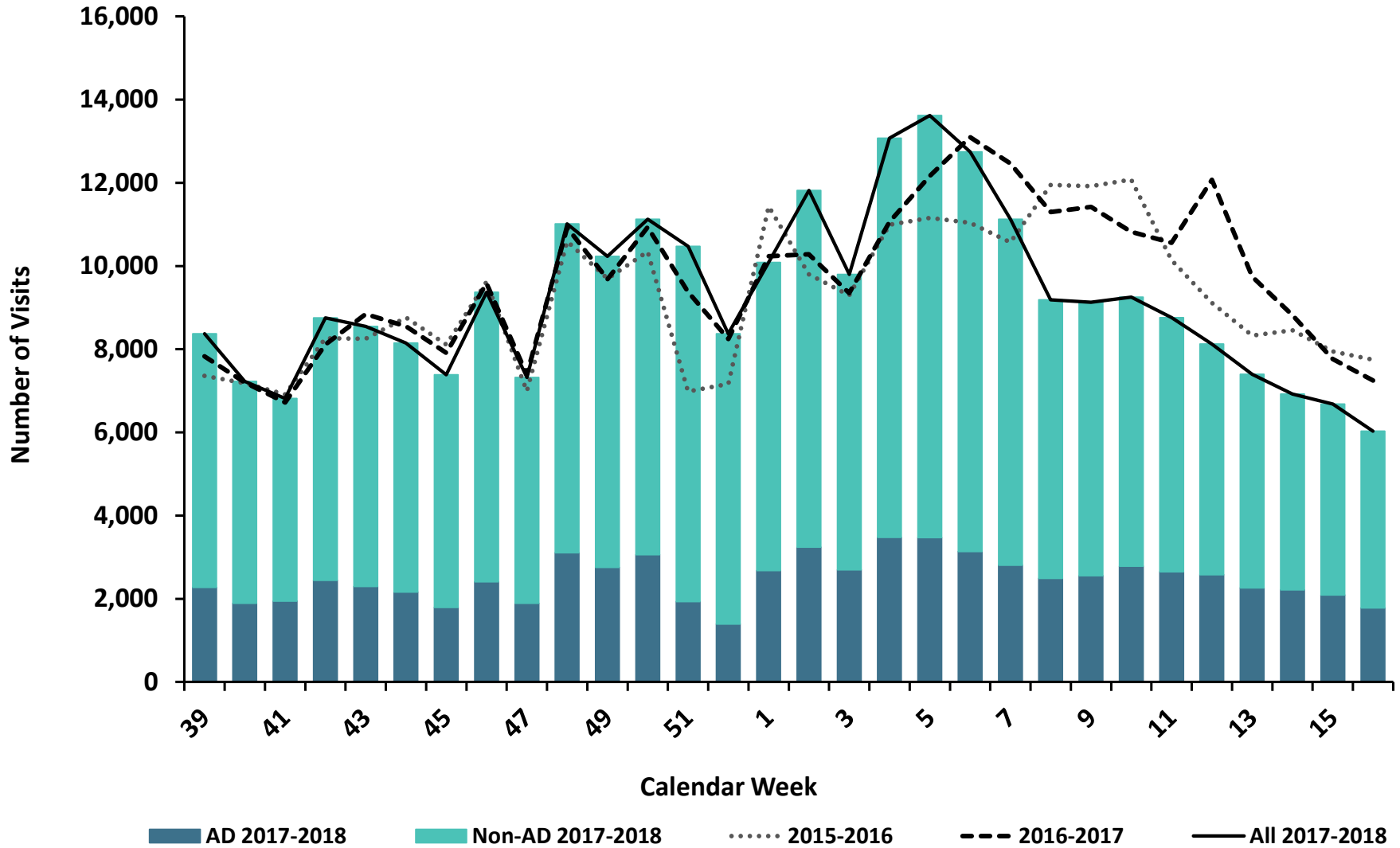
Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2017-2018 and Selected Previous Seasons





# ESSENCE Weekly Outpatient Clinic Visits for Influenza-like Illness

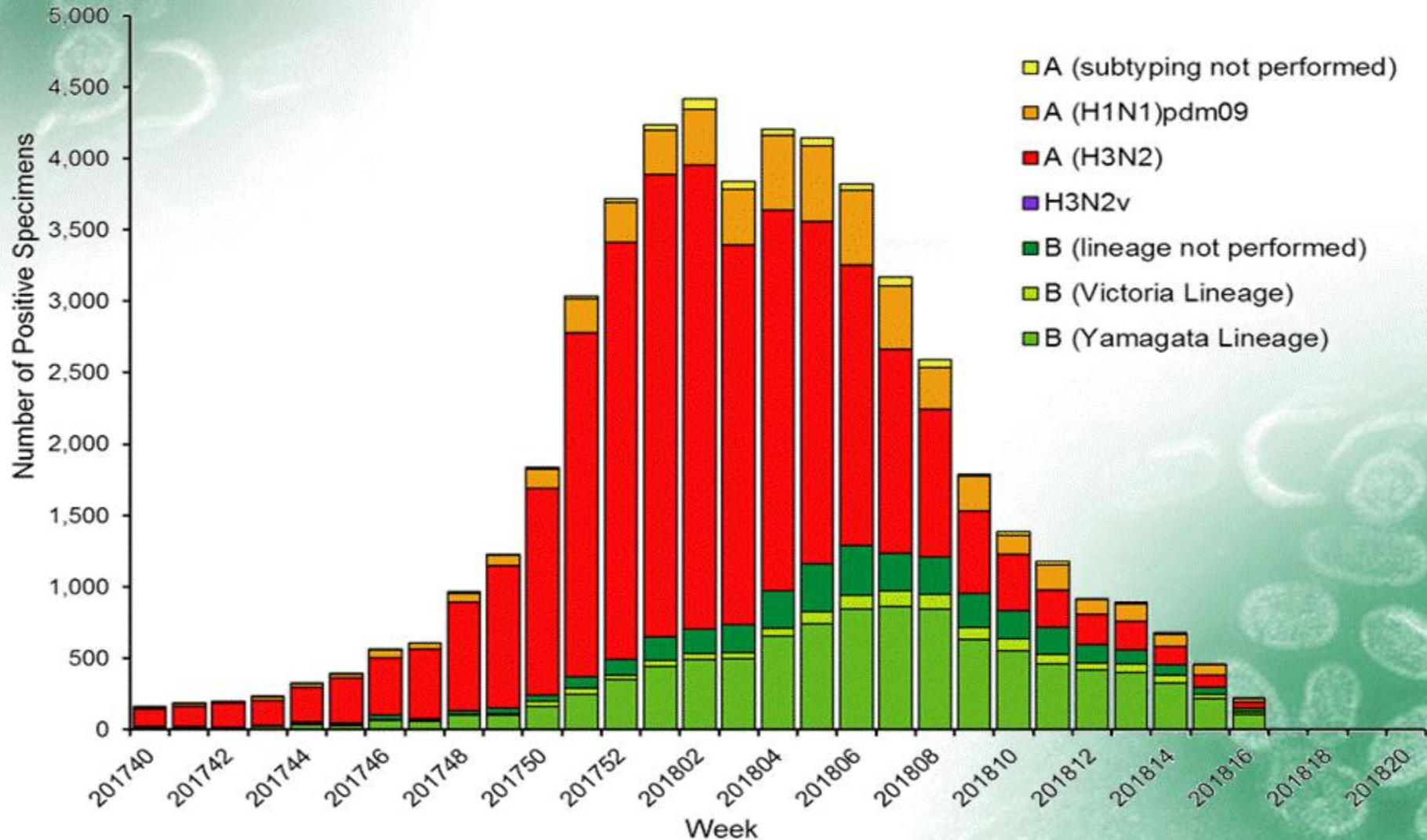
Army MTFs, All Services, 2015-2018



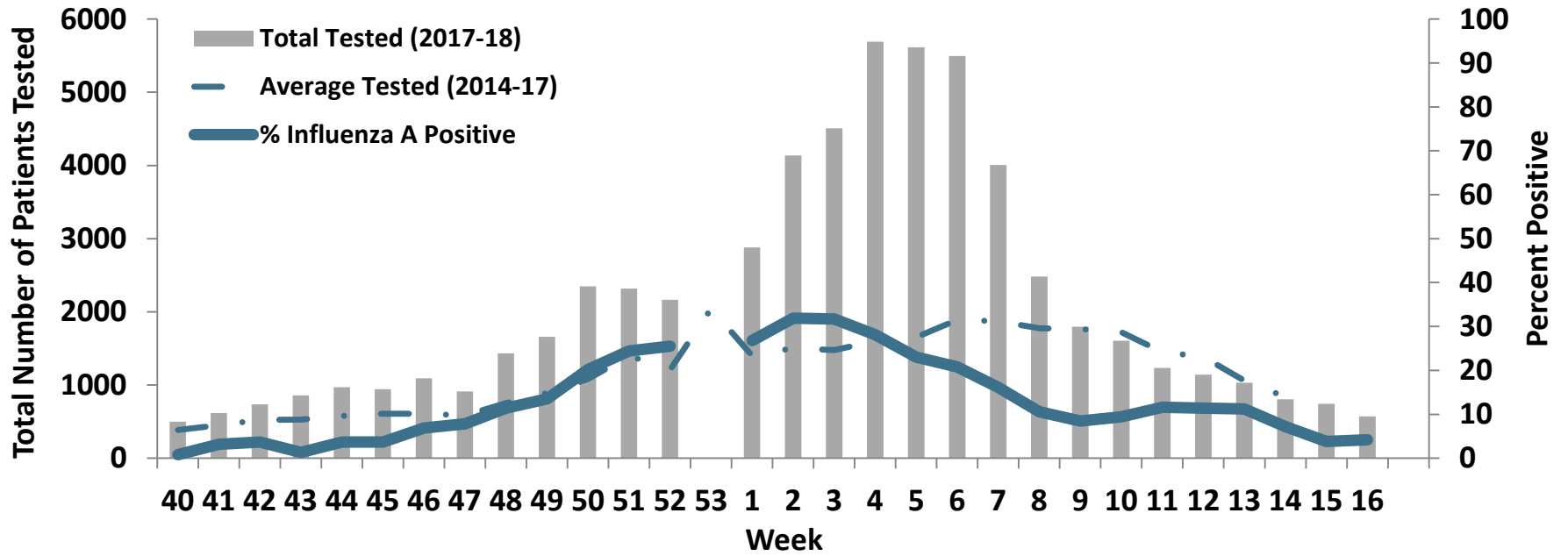
Clinic visits for ILI are obtained from ESSENCE. Data as of 25 April 2018.

A Weekly Influenza Surveillance Report Prepared by the Influenza Division

## Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, 2017-2018 Season



### Proportion of Positive Influenza A Specimens for U.S. Army 2017-2018



		<b>Week 13</b>	<b>Week 14</b>	<b>Week 15</b>	<b>Week 16</b>	<b>Season Total</b>
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