

U.S. Army Public Health Center  
**Army Influenza Activity Report**

Week ending 12 January 2019 (week 2)

**Influenza Vaccination Coverage\***

As of 9 January 2019

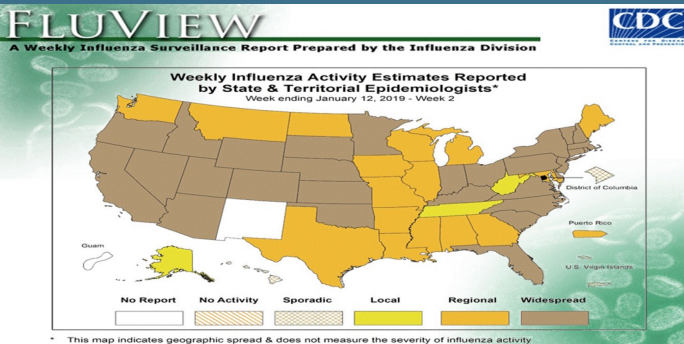
N/A	DoD
94%	Army Active Duty
88%	Army Guard
77%	Army Reserve

\*Data Source: MEDPROS, ASIMS, MRRS

**SUMMARY**

3349 specimens were tested in week 2 with 8% (298) returning positive. Of the positives, Influenza A accounted for 74% (221) of the cases followed by RSV with 20% (60), and Influenza B 3% (9). Adenovirus and parainfluenza accounted for 1% (4) of the cases each. The percentage of influenza-like illness visits in the Active Duty population increased by 23% when compared to the previous week. Three influenza-related hospitalizations were reported in DRSI during week 2 (2 Non-AD & 1 AD). Leadership should continue to encourage proper hand hygiene and respiratory etiquette in addition to urging troops to seek medical attention for influenza-like symptoms.

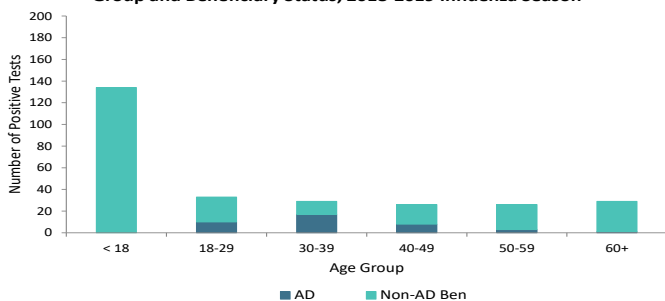
**GEOGRAPHIC SPREAD**



In the civilian population, widespread influenza activity was reported by 30 states and Guam. This has been steady since last week's report. Regional influenza activity was reported to the CDC by Puerto Rico and 16 states, local activity was reported by 3 states, and sporadic activity was reported by the District of Columbia, the US Virgin Islands, and one state (Hawaii). There were no areas that failed to report.

**DEMOGRAPHICS**

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

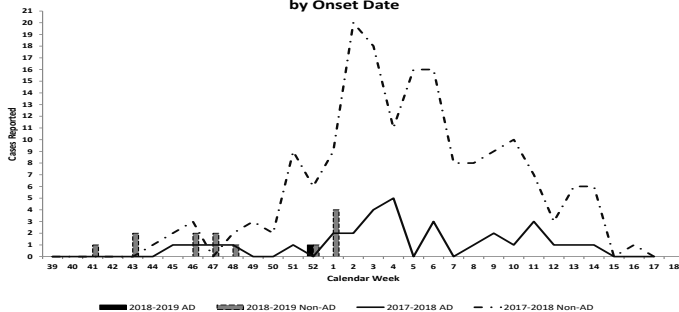


**AD:** In week 2, the AD population had 49 positive respiratory specimens. Fifty-five percent (27) were in the 18-29 age range. Remaining cases were as follows: 15 (31%) that were ages 30-39, 5 (10%) ages 40-49, and 2 (4%) were ages 50-59.

**Non-AD:** Of the 249 positive specimens among non-AD individuals, 62% (155) were in individuals less than 18 years old, while 13% (33) occurred in those over the age of 60. To date, 49% (622) of the 1264 positive specimens, this season, are attributable to those under 18.

**INFLUENZA-ASSOCIATED HOSPITALIZATIONS**

Army Influenza-Associated Hospitalizations Reported in DRSI by Onset Date



Three cases of influenza-associated hospitalizations with onset dates in week 2 were reported. Of the three cases, 1 was AD. In the same week last season, 22 influenza associated hospitalizations had been reported. So far this season, 18 cases of influenza-associated hospitalizations have been reported to DRSi in non-AD patients; there have been three reported cases of influenza-associated hospitalizations reported this season in the AD population.

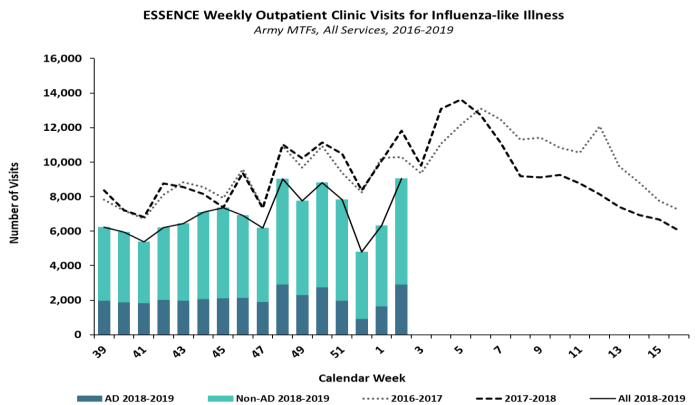
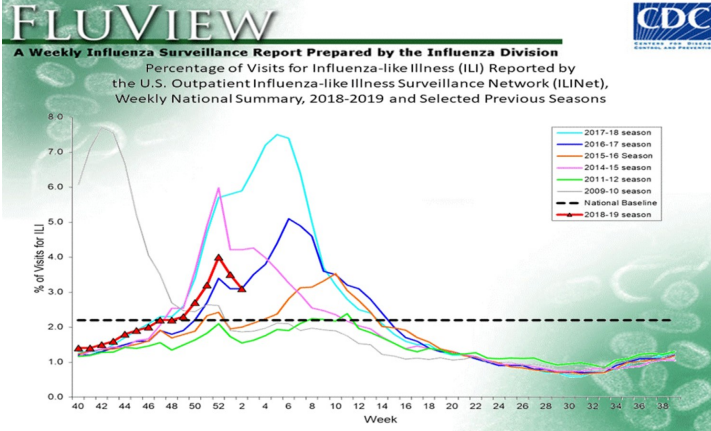
\*DRSi does not capture cases older than 65 years old for influenza-associated hospitalizations.

**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

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

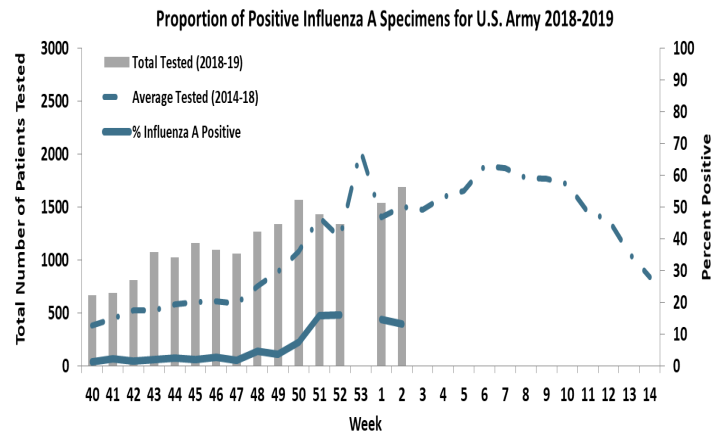
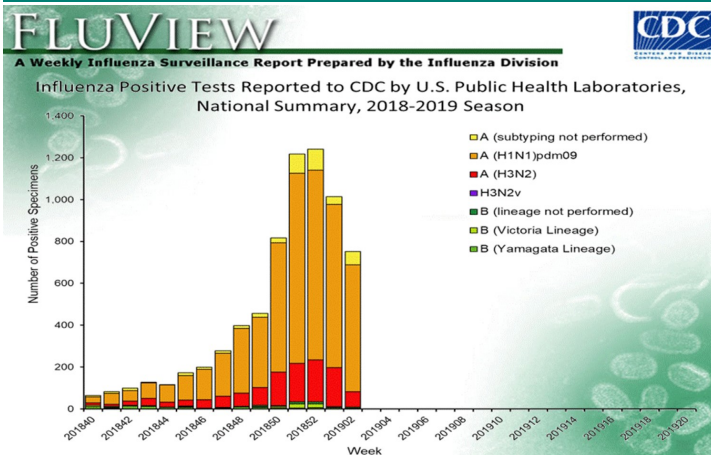
## ILI ACTIVITY - UNITED STATES

## ILI ACTIVITY - ARMY



Nationwide in week 2, incidence of ILI activity was 3.1%, this is above the national baseline of 2.2%. Regionally, the percentage of ILI outpatient visits reported to the CDC ranged from 1.8% to 4.2%. At Army medical treatment facilities, incidence of ILI activity increased from week 1 to week 2 by 43%. The majority of ILI encounters (68%) were from non-AD patients.

## LABORATORY RESPIRATORY SPECIMEN TESTING



Nationwide, 1399 specimens were tested and submitted to CDC, of which 752 (54%) were positive. Influenza A accounted for 99% of the total positive specimens submitted to the CDC in week 2. In the Army population, 13% of 1690 specimens tested for influenza A were positive. 182 (82%) of the positive influenza A specimens were from non-Active Duty individuals. RHC-A and RHC-C reported the majority of positive influenza A specimens, with 82 (37%) and 118 (53%) of the total influenza A positive specimens, respectively.

		Week 51	Week 52	Week 1	Week 2	Season Total
Test Types Among Positive Influenza A Specimens	RAT	193	147	122	151	891
	Culture	8	3	7	4	44
	PCR	24	65	95	66	329
Army MTF Laboratory Results, 2018-19	Influenza A	225	215	224	221	1264
	Influenza B	4	9	7	9	139
	Adenovirus	15	15	5	4	165
	Enterovirus	0	0	0	0	4
	Parainfluenza	5	8	4	4	212
	RSV	123	67	69	60	980
	Negative	2692	2423	2920	3051	36224
	<b>Total</b>	<b>3064</b>	<b>2737</b>	<b>3229</b>	<b>3349</b>	<b>38988</b>

The number of positive specimens in week 2 was relatively stable when compared to week 1. The totals for week 1 and week 2 were 309 and 298, respectively. Influenza A accounted for 74% of the positive specimens. This was followed by 60 (20%) RSV, 9 (3%) influenza B, and 4 (1%) adenovirus and parainfluenza cases each. The majority of positive respiratory tests resulted from rapid antigen tests (RATs), followed by PCR (66). There were four positive cultures in week 2.

**Locations providing week 2 laboratory data as of 16 January 2019:** Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eutis, 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, Korea, Landstuhl, Redstone Arsenal, Tripler, and Walter Reed.

\*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	101	13.9	22	1	100	100			100
	Ft. Benning	109	14.7	37	109	0	3.1			
	Ft. Bragg	76	10.5	19.9			100			
	Ft. Campbell	93	7.5	35	93	0	2.9			100
	Ft. Drum	6	33.3	7.7						
	Ft. Eustis	24	29.2	23.8			100			
	Ft. Gordon	72	9.7	19.2	72	0	8.4			100
	Ft. Jackson	49	10.2	25.8	49	0	4.3			
	Ft. Knox	28	14.3	13	28	3.6	4.3			
	Ft. Lee	33	12.1	24.3			100			
	Ft. Meade	5	0	28.6						
	Ft. Rucker	5	20	60	5	0	0			
	Ft. Sam Houston	282	12.4	39.5	282	1.4	8			100
	Ft. Stewart	63	7.9	23.6	63	0	2.6			
Redstone Arsenal	8	0	3.3	8	0	2.1				
West Point	13	15.4	33.3	9	0	100			100	
RHCC	Ft. Bliss	252	17.9	26.5	151	0	8	48	4.2	0
	Ft. Carson	80	12.5	19.8			100			
	Ft. Hood	29	10.3	33.9	29	3.4	5.9			
	Ft. Huachuca	17	11.8	24.2	19	0	0			
	Ft. Irwin	45	6.7	40	46	0	5.7			
	Ft. Leavenworth	34	11.8	24.1	34	2.9	4.6			
	Ft. Leonard Wood	27	11.1	33.5	27	0	6.2			
	Ft. Polk	29	3.4	13.8	1	100	100			
	Ft. Riley	70	14.3	24.6	66	0	1.5			
Ft. Sill	27	7.4	38.6			100				
RHCE	Landstuhl Regional	38	10.5	20.7	34	0	21	34	0	2
RHCP	Ft. Wainwright	29	6.9	29.7	29	0	0			
	Korea	60	20	27.3	42	0	6.3	42	4.8	2.1
	Tripler Army Medical	71	4.2	5.8	41	0	3.3	41	0	1.1

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	24	20.8	31.3
	Ft. Campbell						100			100
	Ft. Drum						100			33.3
	Ft. Gordon						100			100
	Ft. Sam Houston						100			100
	Ft. Stewart							21	33.3	0
	West Point						100			100
RHCC	Ft. Bliss							149	9.4	20.4
	Ft. Carson							20	25	15.8
	Ft. Hood									68.8
	Ft. Leavenworth							17	23.5	0
	Ft. Leonard Wood						100			
	Ft. Polk							6	16.7	38.5
	Ft. Riley							42	23.8	9.4
Ft. Sill							2	0	0	
RHCE	Landstuhl Regional				35	2.9	0	41	19.5	6.5
RHCP	Ft. Wainwright							29	6.9	14.3
	Korea			0	42	2.4	1.1	41	7.3	10.6
	Tripler Army Medical	41	0	0	42	2.4	1.1	1	100	100

No.: Number of specimens tested during MMWR week 2 2019.

% Pos.: Percentage of positive specimens reported during MMWR week 2, 2019.

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





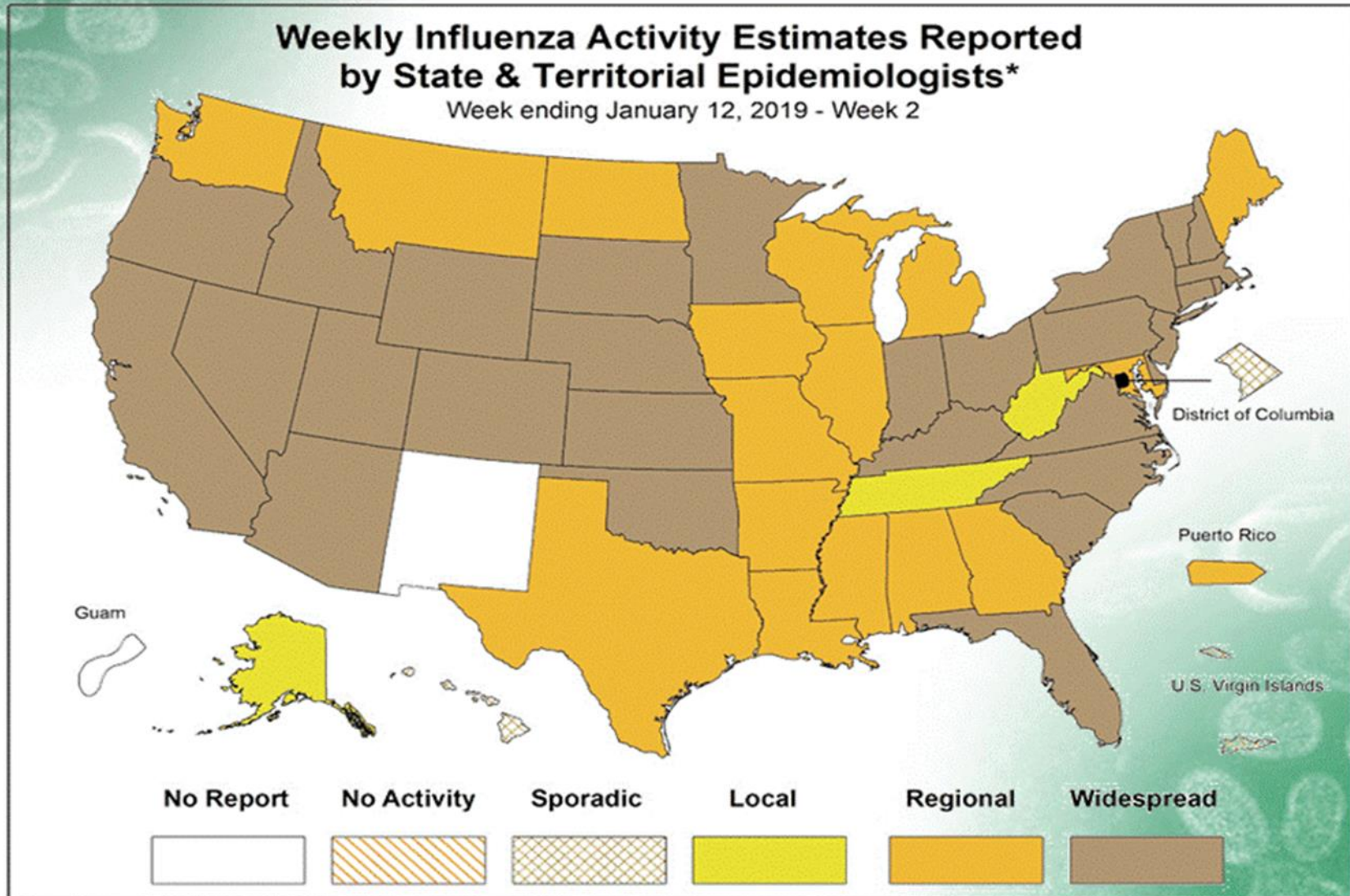
# FLUVIEW



A Weekly Influenza Surveillance Report Prepared by the Influenza Division

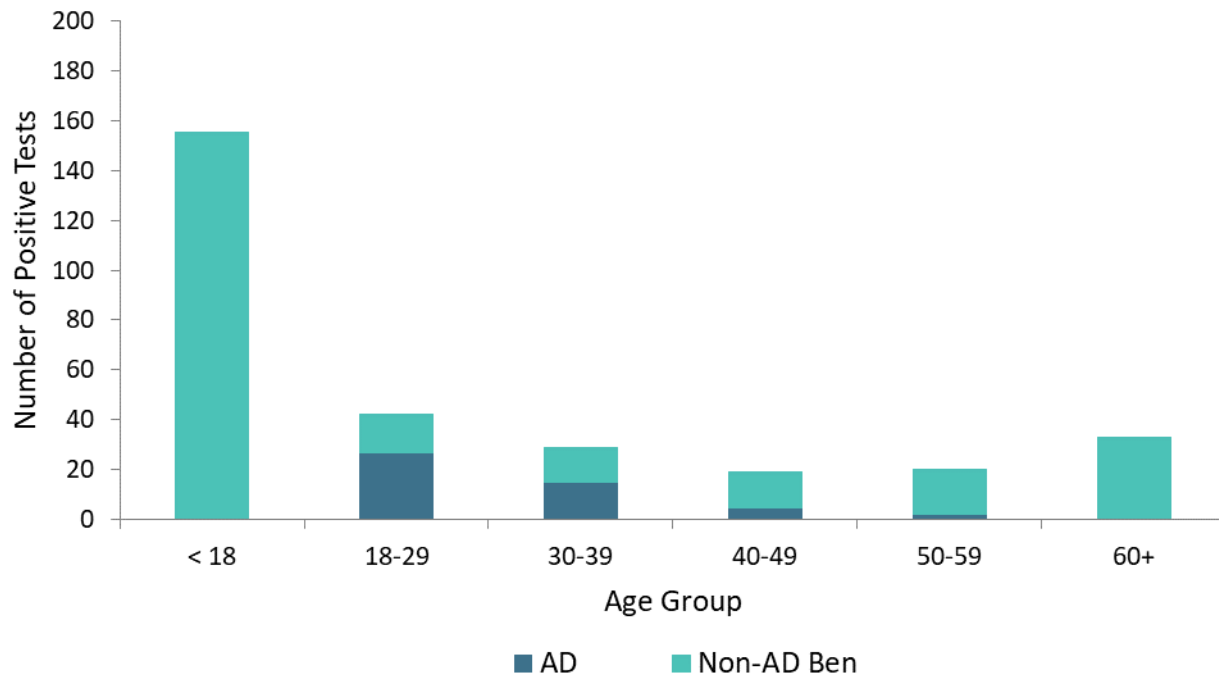
## Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\*

Week ending January 12, 2019 - Week 2



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

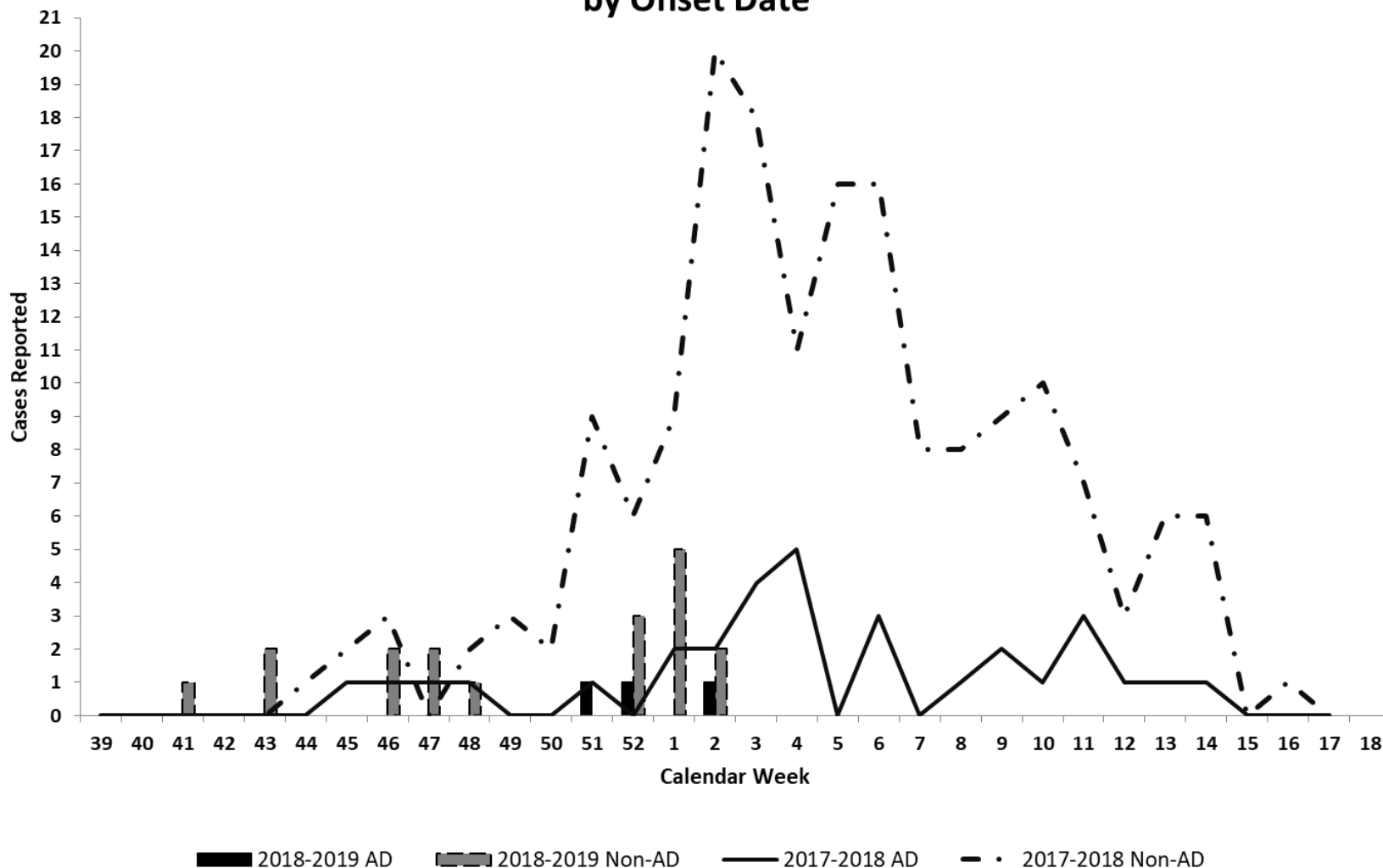
**Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, 2018-2019 Influenza Season**



<b>Week 2</b>			
<b>Age Group</b>	<b>AD</b>	<b>Non-AD Ben</b>	<b>Season Total</b>
< 18	0	155	<b>622</b>
18-29	27	15	<b>160</b>
30-39	15	14	<b>161</b>
40-49	5	14	<b>115</b>
50-59	2	18	<b>96</b>
60+	0	33	<b>110</b>
<b>Total</b>	<b>49</b>	<b>249</b>	<b>1264</b>



## Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Date



[Reportable Medical Events Guidelines and Case Definitions](#) for more information.

Data as of 10 January 2019.

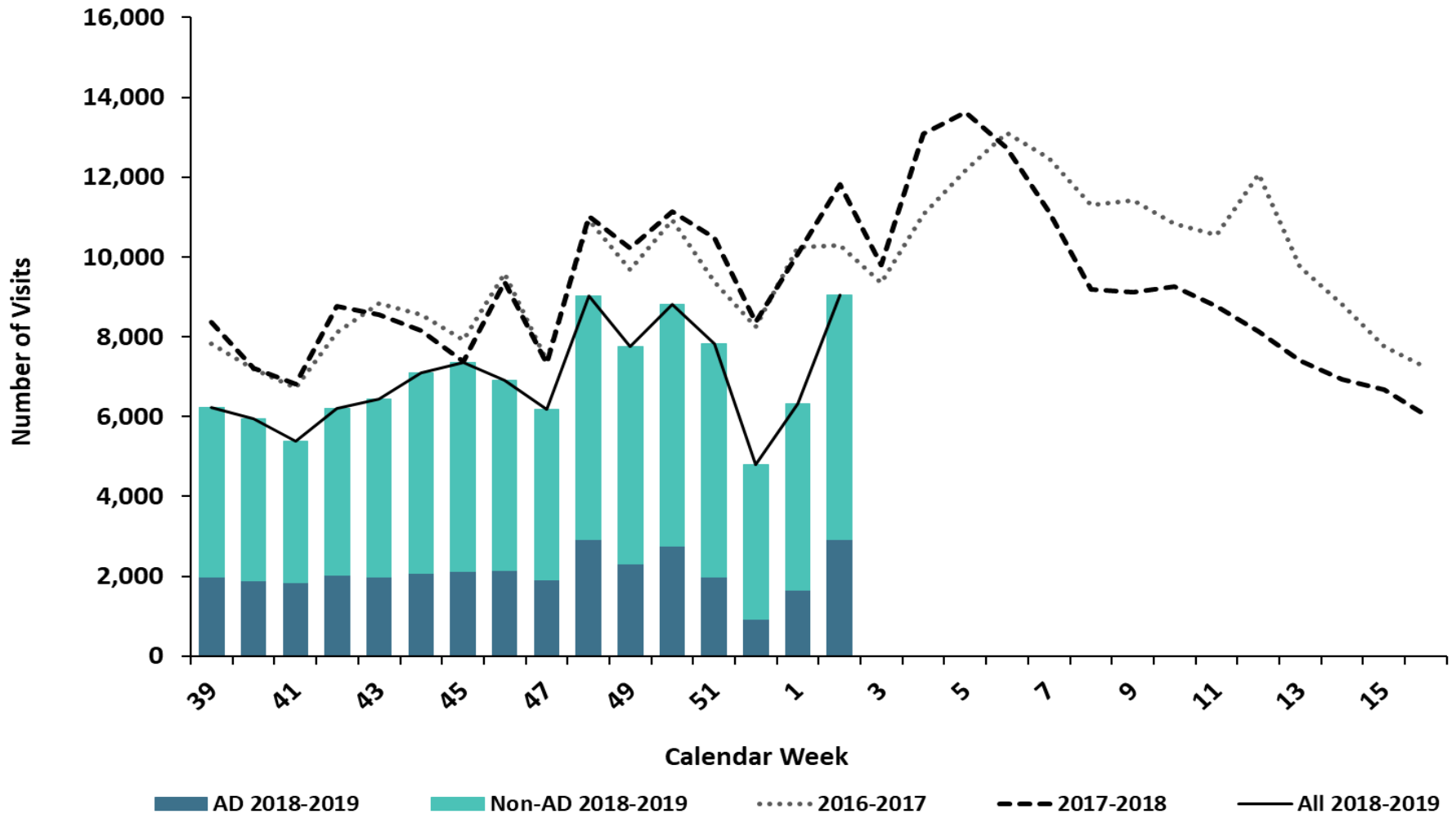






# ESSENCE Weekly Outpatient Clinic Visits for Influenza-like Illness

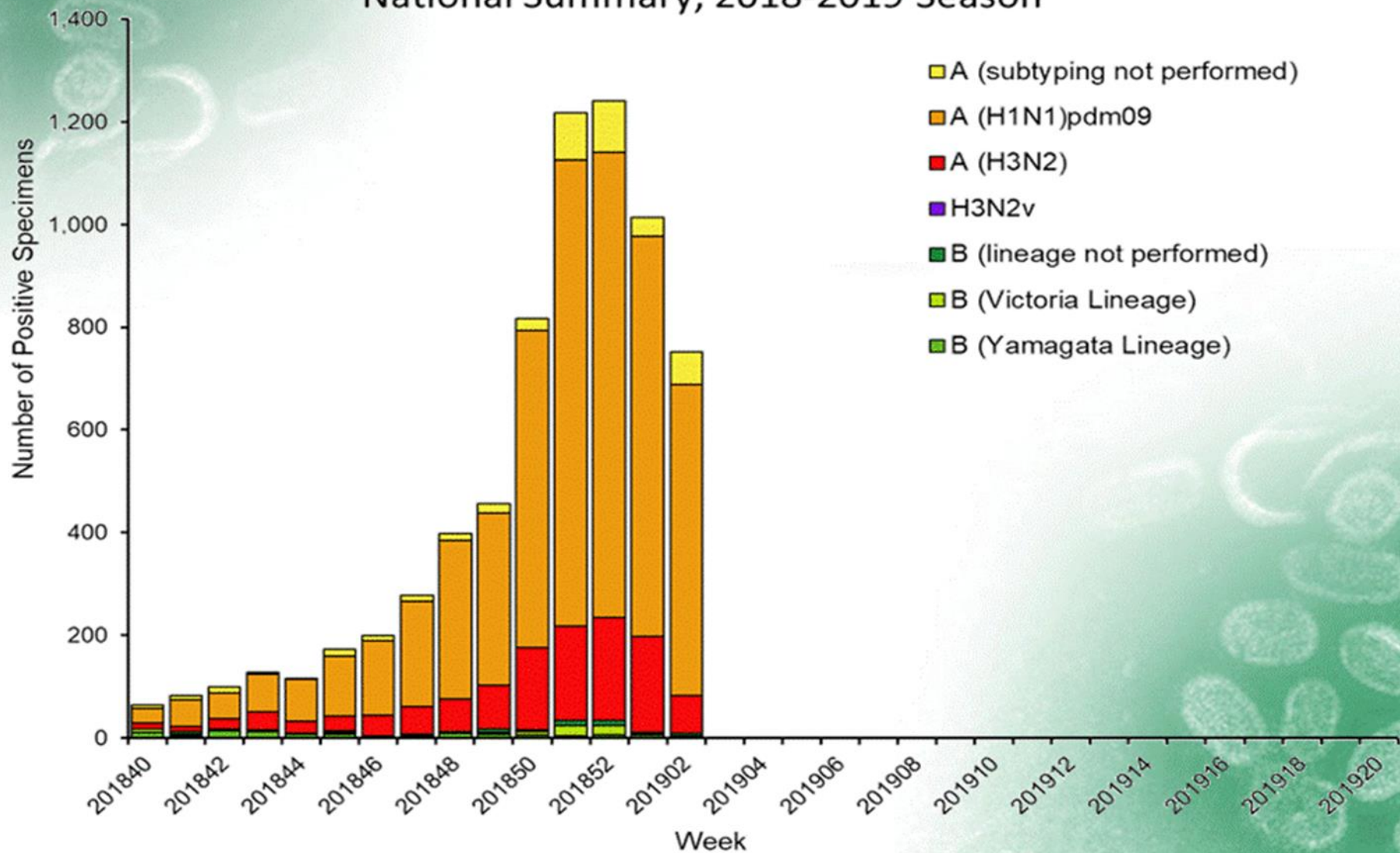
Army MTFs, All Services, 2016-2019



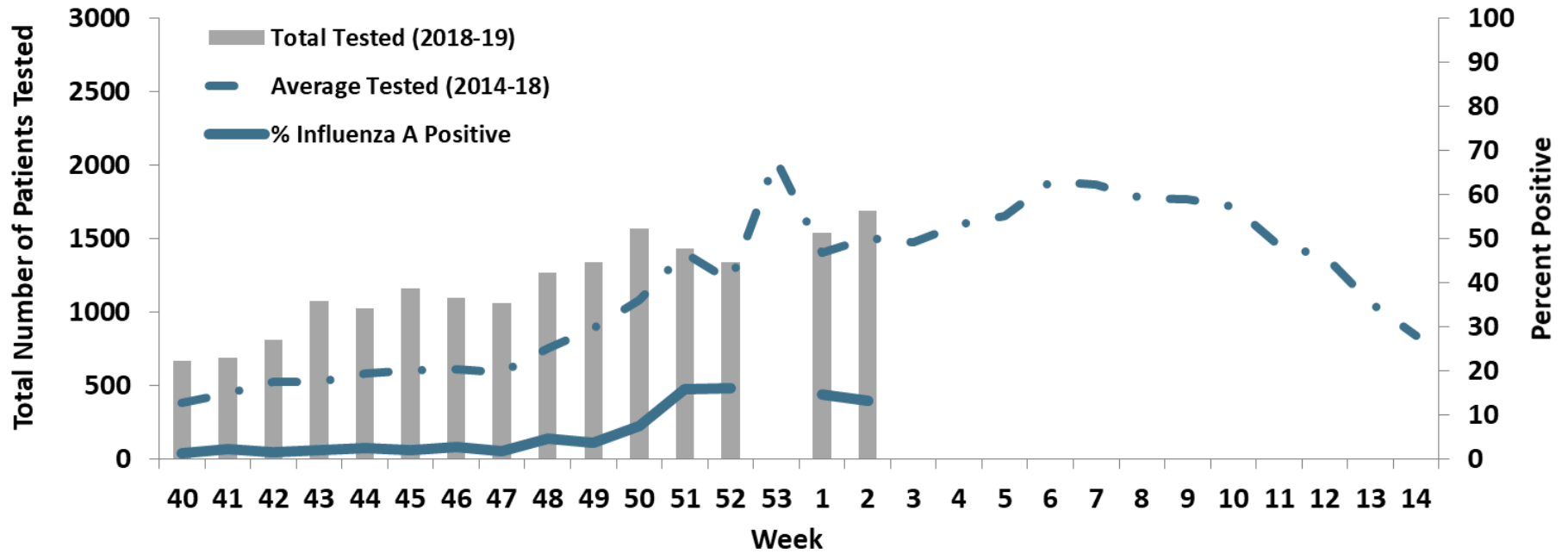
Clinic visits for ILI are obtained from ESSENCE. Data as of 10 January 2019.

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



		<b>Week 51</b>	<b>Week 52</b>	<b>Week 1</b>	<b>Week 2</b>	<b>Season Total</b>
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	<b>RSV</b>	123	67	69	60	<b>980</b>
	<b>Negative</b>	2692	2423	2920	3051	<b>36224</b>
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