

U.S. Army Public Health Center

Army Influenza Activity Report

Week ending 02 March 2019 (week 9)

Influenza Vaccination Coverage*

As of 7 March 2019

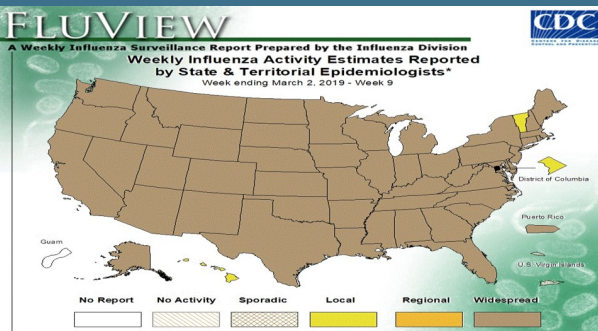
N/A	DoD
97%	Army Active Duty
90%	Army Guard
83%	Army Reserve

*Data Source: MEDPROS, ASIMS, MRRS

SUMMARY

There was a slight increase (8%) in the overall number of positive respiratory specimens in week 8 (1104) when compared to week 9 (1195). A 47% increase in the number of influenza B cases was noted when comparing week 9 to the previous week; there were 17 cases in week 8 and 25 cases in week 9. The number of specimens positive for respiratory syncytial virus decreased by 44% in week 9, with 46 reported cases in comparison to the 82 cases reported during week 8. Most of the influenza A-positive specimens were reported from installations in RHC-C (571, 52%) and RHC-A (430, 39%). Eight influenza-associated hospitalizations with an onset date in week 9 were reported in the Disease Reporting System internet; two were Active Duty Service Members who were vaccinated.

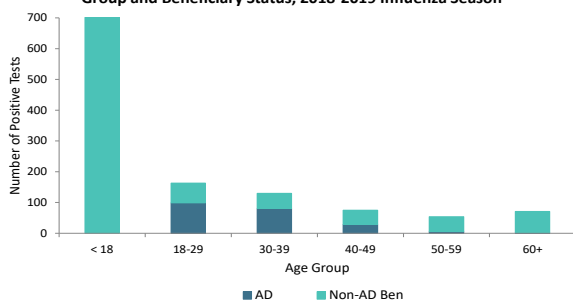
GEOGRAPHIC SPREAD



In the general U.S. population, widespread influenza activity was reported by Puerto Rico and 48 states. Local activity was reported by the District of Columbia, Hawaii, and Vermont. 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 9.

DEMOGRAPHICS

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

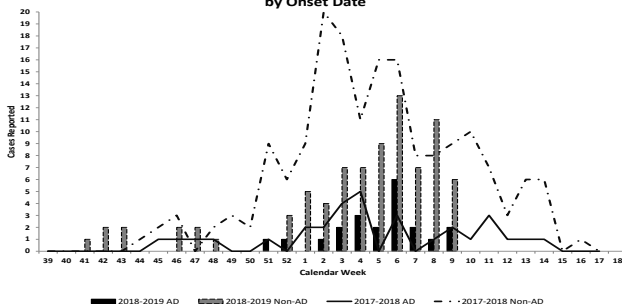


Active Duty (AD): In week 9, 18% (n=217) of the total positive specimens (n=1195) were among AD Service Members (SMs). Forty-six percent (n=99) of the positive specimens were from individuals in the 18-29 age group.

Non-AD: The majority of the positive specimens continue to result from the non-AD population. In week 9, this group accounted for 82% (n=978) of the total positives. Individuals younger than 18 years were disproportionately affected; they accounted for 72% (n=702) of the positive respiratory specimens in week 9.

INFLUENZA-ASSOCIATED HOSPITALIZATIONS

Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Date



Eight influenza-associated hospitalizations, with an onset date in week 9, were reported in DRSi. Five of the cases were AD SMs and they were both vaccinated. In total, five of the cases were vaccinated. To date, there have been 103 reported hospitalizations this season: 21 AD SMs and 82 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](#)

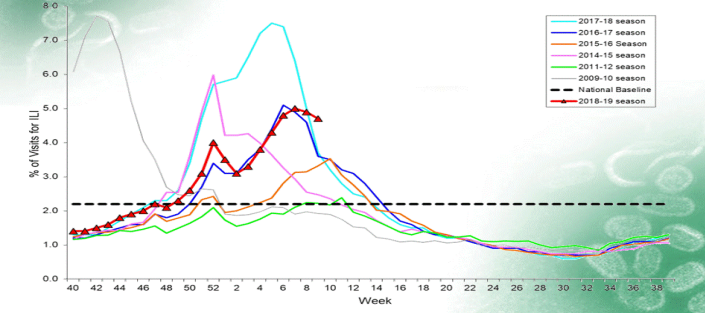
Key: ILI- Influenza-Like Illness; DRSi- Disease Reporting System Internet; NHRC- Naval Health Research Center; RSV- Respiratory Syncytial Virus; DEP- Disease Epidemiology Program

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

ILI ACTIVITY - UNITED STATES

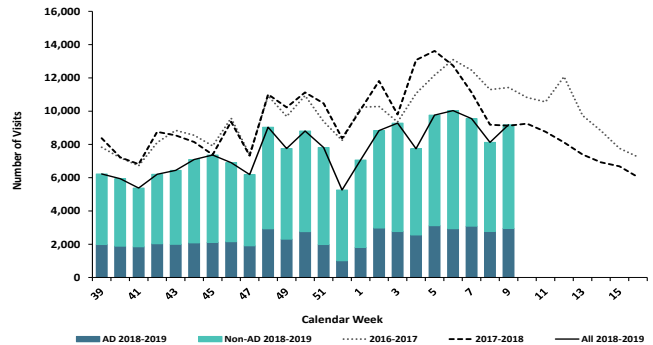
FLUVIEW

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



ILI ACTIVITY - ARMY

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

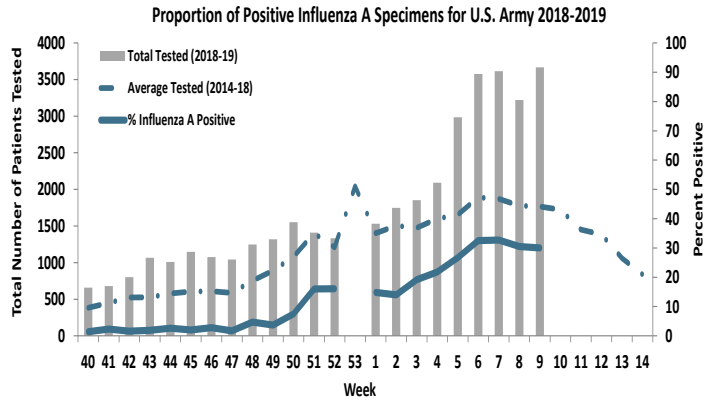
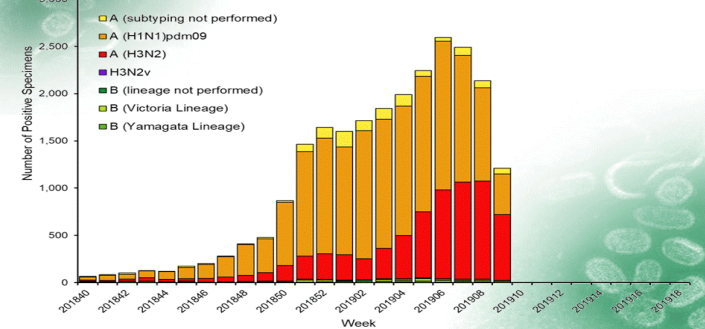


Nationwide in week 9, incidence of ILI activity was 4.7%, which is above the national baseline of 2.2%. Regionally, the percentage of ILI outpatient visits reported to the CDC ranged from 3.3% to 9.3%. At Army medical treatment facilities, overall incidence of ILI activity increased by 13% when compared to the previous week. ILI activity among the AD population increased by 7% from week 8. When compared to week 9 of the 2017-2018 season, there were 1% more ILI outpatient visits in week 9 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



Nationwide, 1995 specimens were tested and submitted to the CDC during week 9, of which 1100 (55%) were positive for influenza. The majority of the influenza A-positive specimens continue to be reported from RHC-C and RHC-A, with 52% (n=571) and 39% (n=430) specimens, respectively. Influenza A activity was markedly lower in RHC-E and RHC-P, accounting for 6% (n=70) and 6% (n=66) of the positive influenza A specimens, respectively.

		Week 6	Week 7	Week 8	Week 9	Season Total
Test Types Among Positive Influenza A Specimens	RAT	699	654	590	679	4473
	Culture	52	39	20	16	279
	PCR	412	490	373	405	2577
Army MTF Laboratory Results, 2018-19	Influenza A	1163	1183	983	1100	7329
	Influenza B	17	28	17	25	271
	Adenovirus	21	19	14	17	303
	Enterovirus	0	0	0	0	5
	Parainfluenza	8	11	8	7	275
	RSV	109	98	82	46	1642
	Negative	5091	5156	4773	5171	67533
	Total	6409	6495	5877	6366	77358

The number of positive respiratory specimens increased by 8% from week 8 to week 9; there were 1104 positive specimens in week 8 and 1195 in week 9. RSV and parainfluenza were the only respiratory pathogens that decreased in the number of positive specimens from week 8 to week 9, with a reduction of 44% and 13% noted, respectively. The number of influenza A-positive specimens increased by 12%, influenza B increased by 47%, and adenovirus increased by 21%. There was no enterovirus activity in weeks 8 and 9.

Locations providing week 8 laboratory data as of 27 February 2019: 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.

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	396	34	13	198	1	100	81	12	100
	Ft. Benning	205	12	3	205	1	7			
	Ft. Bragg	198	32	9			100			
	Ft. Campbell	164	23	10	164	0	13			100
	Ft. Drum	8	38	15			100			100
	Ft. Eustis	71	35	20	1	100	100			
	Ft. Gordon	93	16	2	91	1	24			100
	Ft. Jackson	121	26	4	121	2	4			
	Ft. Knox	61	8	0	61	0	14			
	Ft. Lee	99	27	7			100			
	Ft. Meade	7	14	0						
	Ft. Rucker	14	29	0	14	0	20			
	Ft. Sam Houston	491	39	5	493	1	19			100
	Ft. Stewart	87	22	19	89	1	7			
Redstone Arsenal	44	25	29	44	0	0				
West Point Military Academy	69	41	14	20	0	100			100	
RHCC	Ft. Bliss	373	33	6	244	0	37	31	3	3
	Ft. Carson	152	24	11			100			
	Ft. Hood	273	21	1	270	1	5	17	6	
	Ft. Huachuca	12	17	0	12	0	33			
	Ft. Irwin	64	33	17	63	2	2			
	Ft. Leavenworth	68	27	13	67	2	26			
	Ft. Leonard Wood	108	39	5	109	1	5			100
	Ft. Polk	59	24	0			100			
Ft. Riley	85	19	14	76	0	0				
Ft. Sill	144	38	11	4	100	100				
RHCE	Landstuhl Regional Medical Center	106	31	11	73	0	13	73	4	0
RHCP	Ft. Wainwright	71	48	4	71	0	20			
	Korea	65	32	21	22	0	6	21	5	0
	Tripler Army Medical Center	101	11	3	64	2	8	63	2	8

Region	Installation	Enterovirus			Parainfluenza			RSV		
		No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.
RHCA	Ft. Belvoir				88	6	100	200	3	15
	Ft. Campbell						100			100
	Ft. Drum							1	0	0
	Ft. Gordon						100			100
	Ft. Sam Houston						100			100
	Ft. Stewart							8	13	0
	West Point Military Academy						100			100
RHCC	Ft. Bliss							241	2	6
	Ft. Carson							30	30	13
	Ft. Hood				17	0		53	8	53
	Ft. Leavenworth							7	29	57
	Ft. Polk							5	0	17
	Ft. Riley							24	29	50
	Ft. Sill							3	0	50
RHCE	Landstuhl Regional Medical Center				75	3	0	83	13	0
RHCP	Ft. Wainwright							68	2	31
	Korea			0	22	0	2	22	0	0
	Tripler Army Medical Center	63	0	0	63	0	0	1	100	100

No.: Number of specimens tested during MMWR week 9 2019.

% Pos.: Percentage of positive specimens reported during MMWR week 9, 2019.

Baseline % Pos.: Percentage of positive specimens reported in MMWR week 9 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.

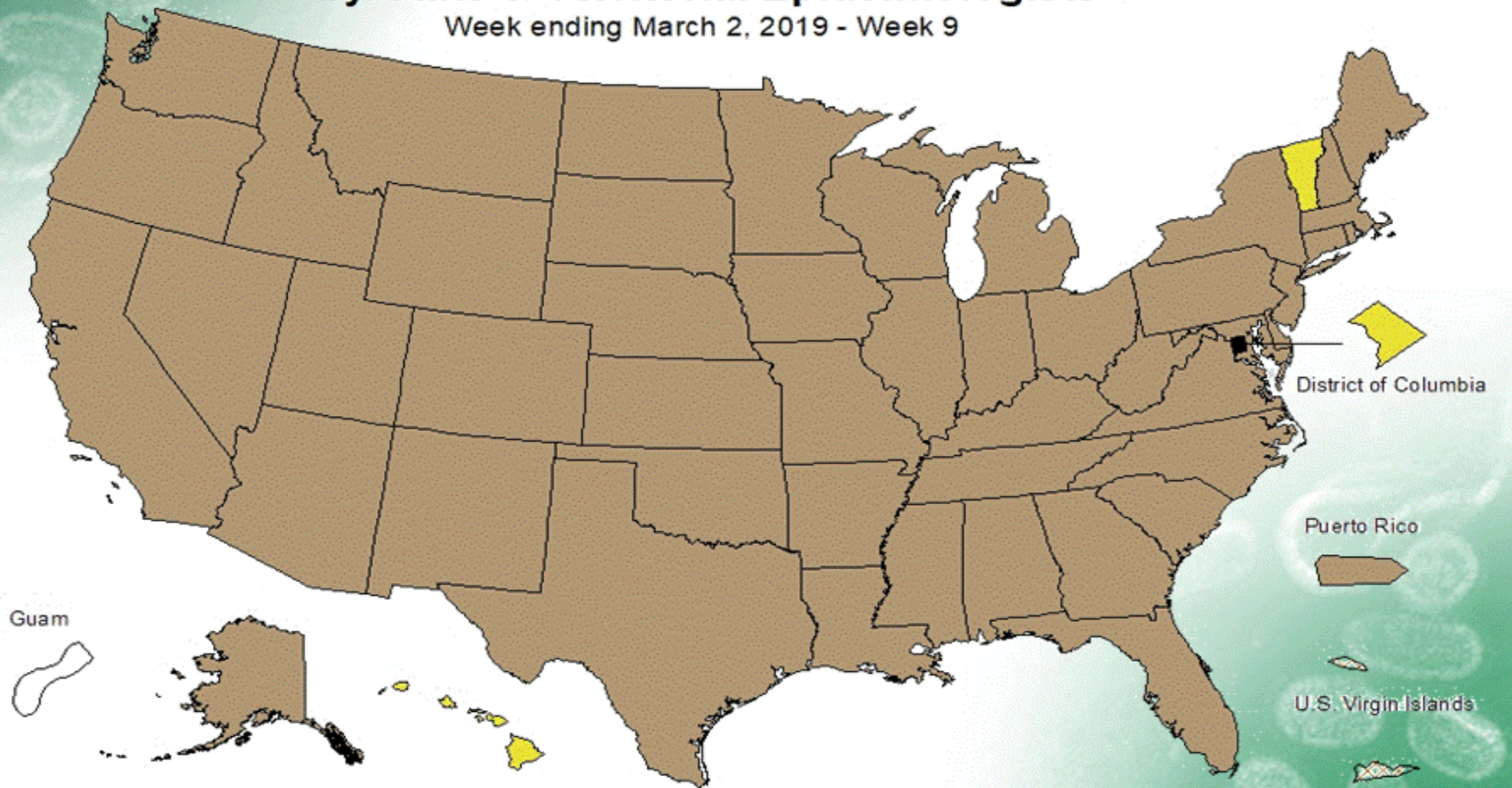
FLUVIEW



A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists*

Week ending March 2, 2019 - Week 9



No Report

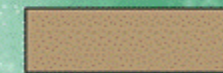
No Activity

Sporadic

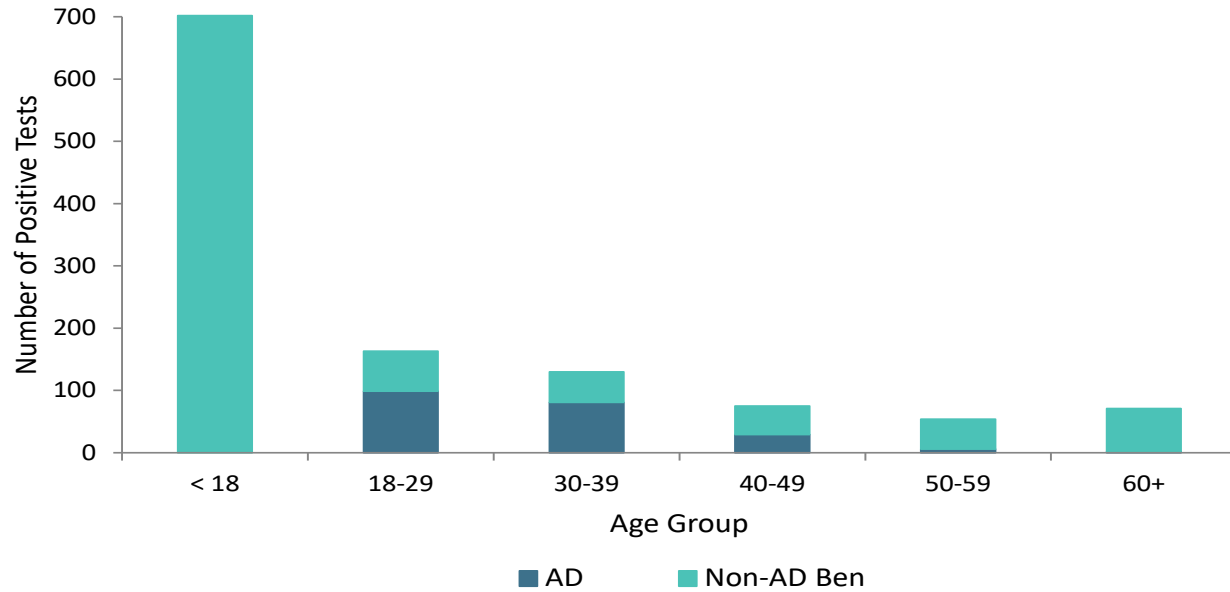
Local

Regional

Widespread



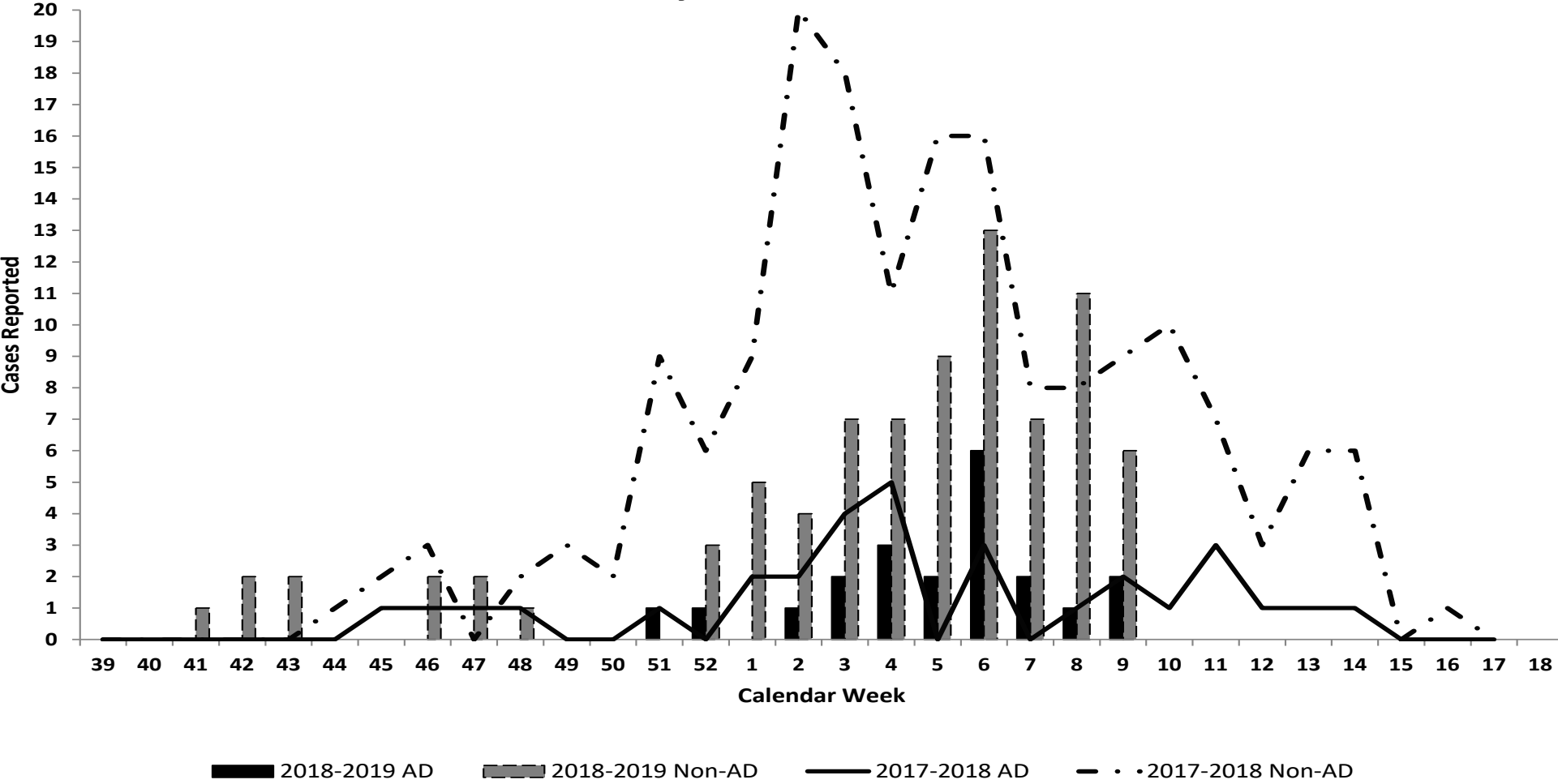
Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, 2018-2019 Influenza Season



Week 9			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	702	4259
18-29	99	64	993
30-39	81	49	769
40-49	29	46	531
50-59	6	48	364
60+	2	69	413
Total	217	978	7329



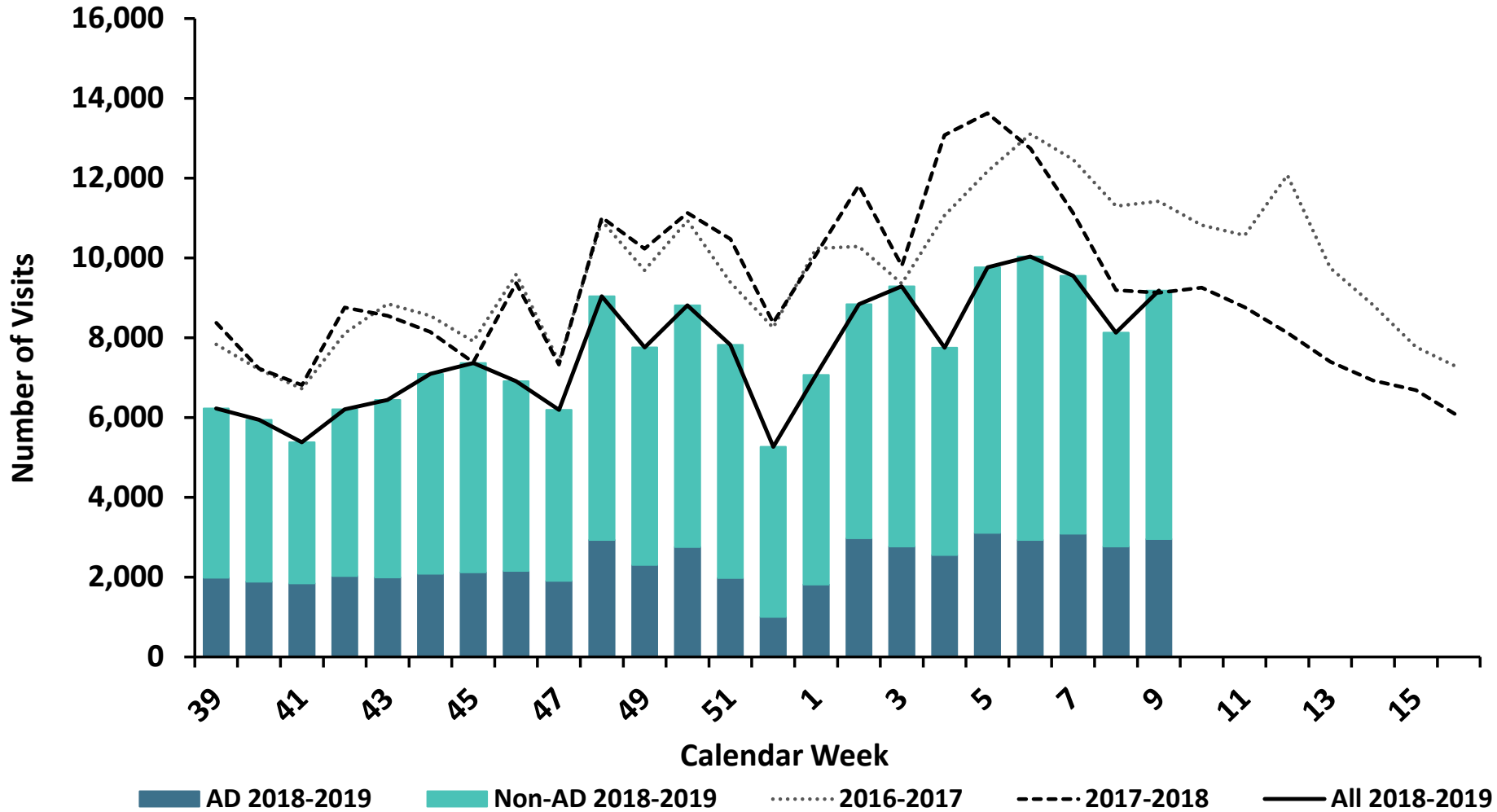
Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Date



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 06 March 2019.

ESSENCE Weekly Outpatient Clinic Visits for Influenza-like Illness

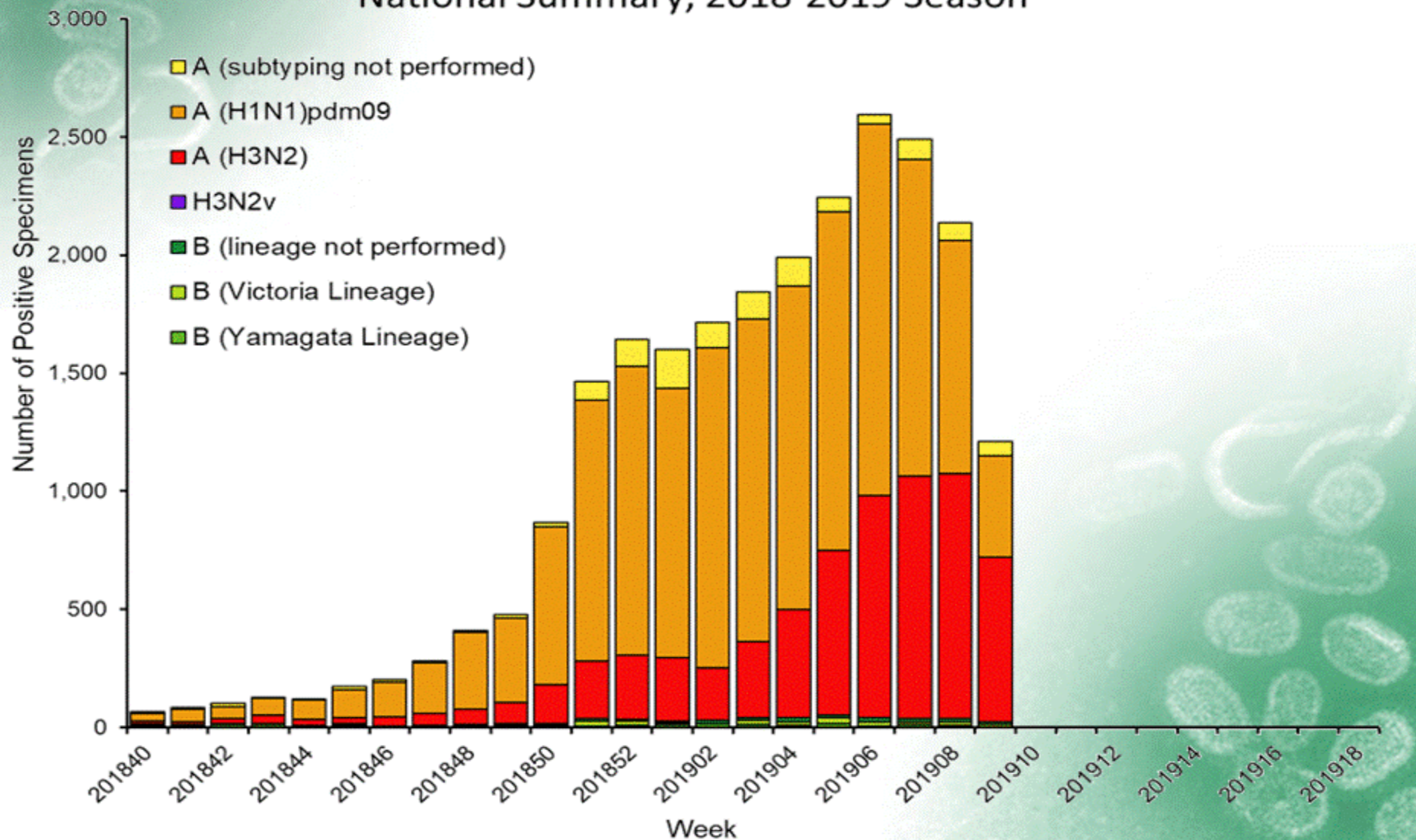
Army MTFs, All Services, 2016-2019



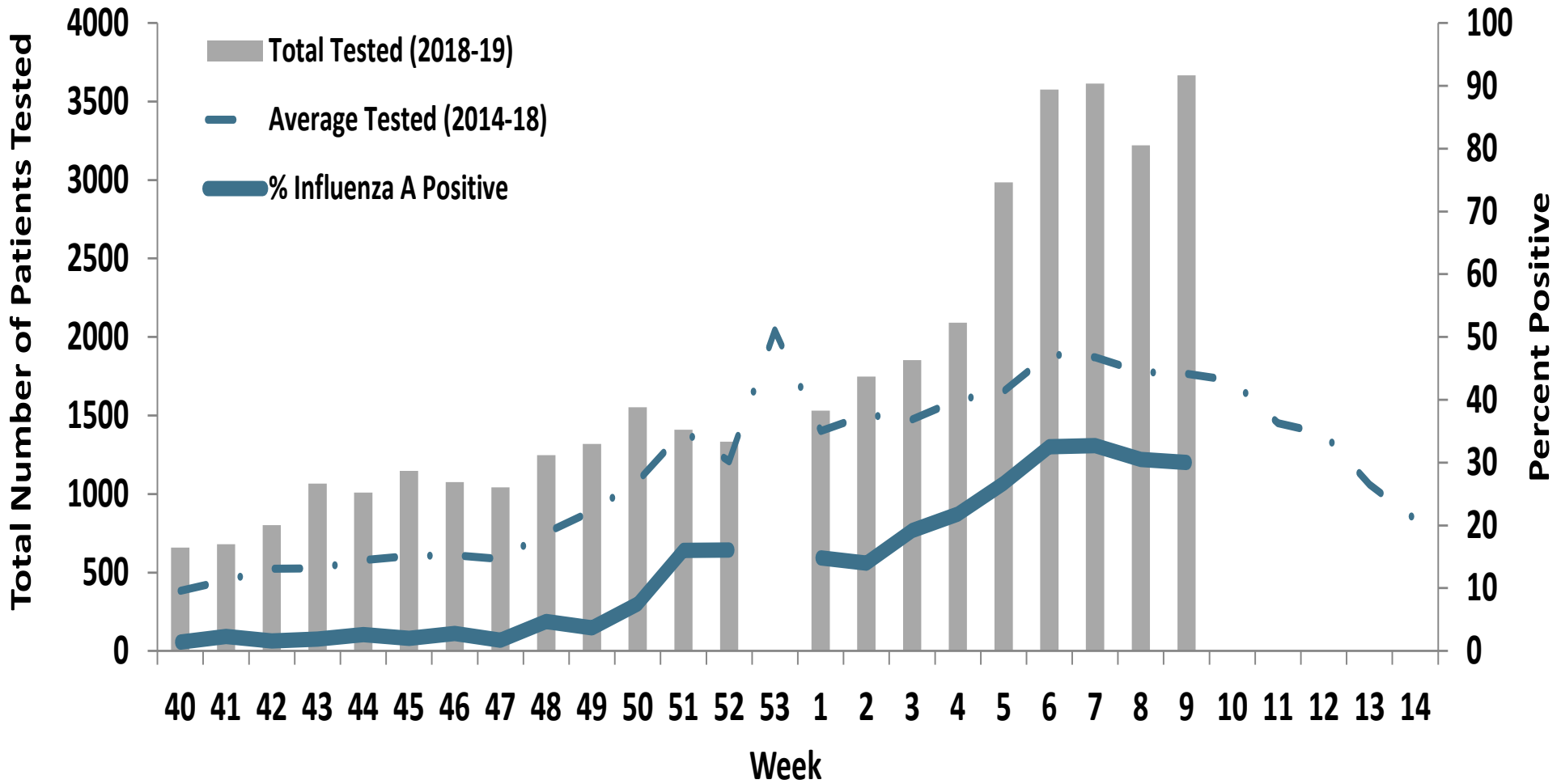
Clinic visits for ILI are obtained from ESSENCE. Data as of 07 March 2019.

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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