

U.S. Army Public Health Center

# Army Influenza Activity Report

Week ending 15 February 2020 (week 7)

## Influenza Vaccination Coverage\*

As of 30 January 2020

N/A	DoD
94%	Army Active Duty
87%	Army Guard
81%	Army Reserve

\*Data Source: MEDPROS, ASIMS, MRRS

## SUMMARY

During week 7, 6,803 specimens were submitted for testing, which represents a 8.1% decrease from week 6. Influenza A accounted for 67.7% (n=940) of positive specimens submitted for testing, and 79.4% of positive influenza A specimens were among non-AD beneficiaries. Beneficiaries younger than 18 years old accounted for the majority (69.8%) of total positive respiratory specimens; Active Duty members 18 to 29 years old accounted for 44.8% of positive specimens. Influenza-like illness activity also decreased by 17.9% from week 6. The number of influenza-associated hospitalizations reported to the Disease Reporting System internet this season is 139% higher than that of the same time period last season.

## GEOGRAPHIC SPREAD

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A Weekly Influenza Surveillance Report Prepared by the Influenza Division  
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\*

Week Ending Feb 15, 2020 - Week 7

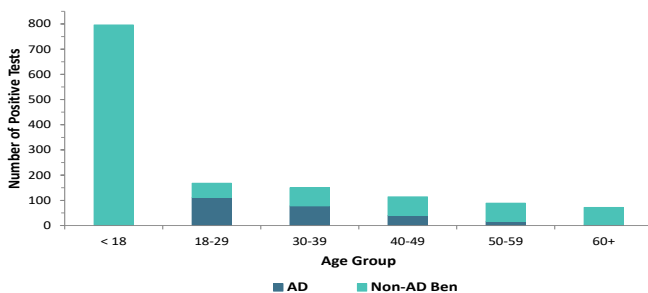


\*This map indicates geographic spread and does not measure the severity of influenza activity.

In week 7, widespread activity was reported in Puerto Rico and 47 states. Regional activity was reported in Hawaii, Idaho, and Oregon. Local activity was reported in the District of Columbia. Sporadic activity was reported in the U.S. Virgin Island, and Guam did not report.

## DEMOGRAPHICS

Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 7

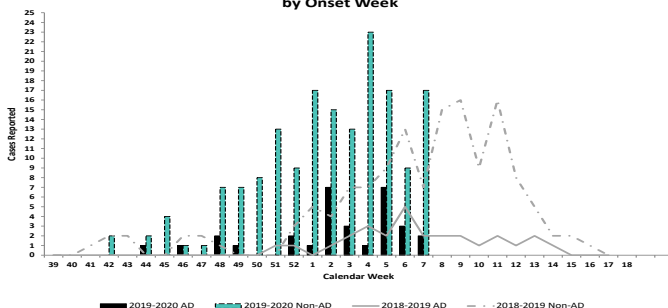


**AD:** In week 7, 250 positive respiratory specimens from Active Duty (AD) Service Members (SMs) were submitted. The majority of positive specimens were among those 18 to 29 years of age (n=112, 44.8%) and was followed by those 30 to 39 years of age (n=78, 31.2%).

**Non-AD:** The majority of positive respiratory specimens among non-AD beneficiaries were collected from individuals younger than 18 years of age (n=796, 69.8%).

## INFLUENZA-ASSOCIATED HOSPITALIZATIONS

Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week



So far this season, a total of 196 hospitalizations have been reported to the DRSi; this represents a 139% increase in reported hospitalizations compared to last season during the same period. Nineteen influenza-associated hospitalizations with onset dates in week 7 were reported to the DRSi; 11 hospitalizations were due to influenza A and 8 were due to influenza B. Of the 19 cases, 8 reported receiving the influenza vaccine.

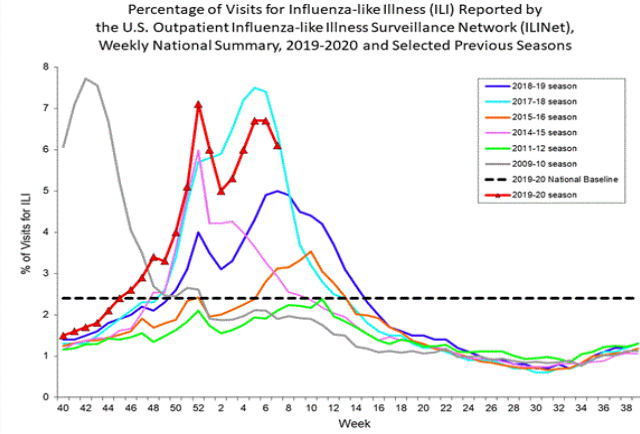
\*DRSi does not capture cases older than 65 years old for influenza-associated hospitalizations.

**Additional Resources:** [APHC Influenza Reports](#), [Centers for Disease Control](#), [Disease Reporting System internet](#), [ESSENCE](#)

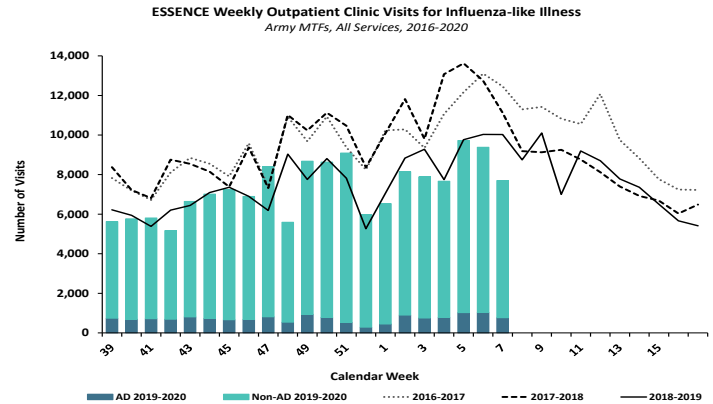
**Key:** ILI-Influenza-Like Illness; DRSi- Disease Reporting System Internet; ADV-Adenovirus; RSV-Respiratory Syncytial Virus; SM-Service Member; MEDPROS- Medical Protection System; ASIMS- Aeromedical Services Information Management System; MRRS- Medical Readiness Reporting System

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

## ILI ACTIVITY - UNITED STATES



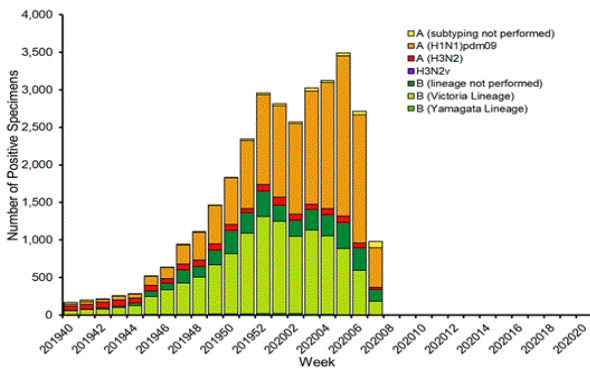
## ILI ACTIVITY - ARMY



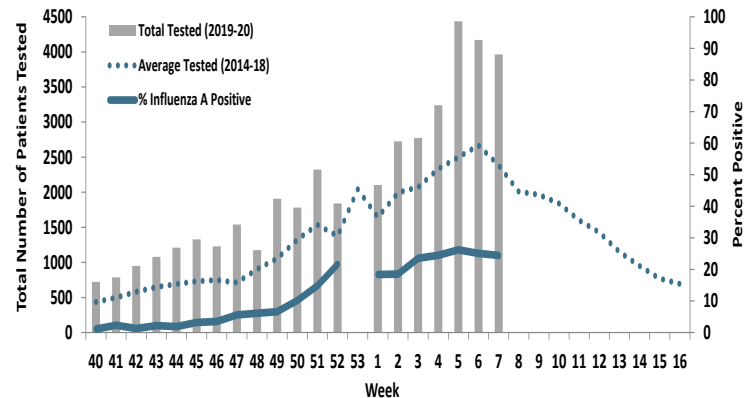
Nationwide in week 7, incident ILI activity was 6.1%. This is above the national baseline of 2.4%. Regionally, the percentage of outpatient visits for ILI ranged from 3.4% to 9.7%. All regions reported a percentage of outpatient visits for ILI above their region-specific baselines. At Army medical treatment facilities, incident ILI activity decreased overall from week 6 to week 7 by 17.9%, while activity for AD SMs also decreased by 26.1%.

## LABORATORY RESPIRATORY SPECIMEN TESTING

Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, 2019-2020 Season



Proportion of Positive Influenza A Specimens for U.S. Army 2019-2020



Nationwide, 1,626 specimens were submitted to CDC in week 7, of which 64.1% (n=981) were positive. Influenza A accounted for 64.9% (n=637) of the total positive specimens submitted to the CDC in week 7, while influenza B accounted for 35.1% (n=344). In the Army population, 23.7% of 3,965 specimens tested for influenza A were positive.

		Week 4	Week 5	Week 6	Week 7	Season Total
Test Types Among Positive Influenza A Specimens	RAT	443	799	808	740	4250
	Culture	14	5	6	2	80
	PCR	341	365	284	198	2596

Army MTF Laboratory Results, 2019-20	Influenza A	798	1169	1098	940	6926
	Influenza B	549	528	454	390	5227
	Adenovirus	16	17	10	7	208
	Enterovirus	0	0	0	0	7
	Parainfluenza	8	4	2	1	207
	RSV	112	83	66	51	1503
	Negative	5114	6140	5776	5414	70434
<b>Total</b>	<b>6597</b>	<b>7941</b>	<b>7406</b>	<b>6803</b>	<b>84512</b>	

Of the 6,803 respiratory specimens tested in week 7, 1,389 (20.4%) were positive for any type of respiratory illness. Influenza A accounted for the majority of positive results in week 7, with 67.7% (n=940) of all positive lab results, while influenza B accounted for 28.1% (n=390) of positive lab results. Approximately 4% of specimens were positive for other respiratory illnesses (respiratory syncytial virus - 3.7%, adenovirus - 0.5%, and parainfluenza - 0.1%). Rapid antigen tests represented 78.7% of the positive influenza A tests, followed by PCR tests (21.1%).

**Locations providing week 7 laboratory data as of 20 February 2020:** 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, Korea, Landstuhl Regional Medical Center, Redstone Arsenal, Tripler Army Medical Center, and Walter Reed National Military Medical Center.

\*NOTE: Madigan AMC's data is received weekly, but cannot be included at this time due to reporting limitations from 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
PHCA	Ft. Belvoir	460	28.3	29.2	261	19.2	0.6	87	4.6	7.2
	Ft. Benning	287	16.7	22.2	287	4.9	0			
	Ft. Bragg	495	26.9	40.6			100			
	Ft. Campbell	277	18.4	29.3	276	9.4	0			100
	Ft. Drum	11	0	16.7	1	100	100			
	Ft. Gordon	109	22	23.4	110	2.7	0			100
	Ft. Jackson	156	18.6	23.5	155	10.3	1.5			
	Ft. Knox	12	8.3	23.1	12	25	0			
	Ft. Lee	80	13.8	28.9	9	100	100			
	Ft. Meade	27	22.2	15.3						
	Ft. Rucker	38	13.2	30	38	2.6	0			
	Ft. Stewart	140	20	40.8	142	5.6	1			
	Redstone Arsenal	50	18	10	49	10.2	0			
PHCC	Ft. Bliss	341	21.1	19.2	34	76.5	0.8			5.7
	Ft. Carson	178	24.7	20.5			100			
	Ft. Hood	242	28.1	26.5	228	1.8	0	44	0	18.8
	Ft. Huachuca	84	26.2	12.5	85	12.9	0			
	Ft. Irwin	85	16.5	29.4	84	3.6	0			
	Ft. Leavenworth	61	23	33	61	18	4.1			
	Ft. Leonard Wood	173	12.1	30.2	174	24.7	2.3			100
	Ft. Polk	100	36	18.6	15	100	100			
	Ft. Riley	227	12.3	33.3	228	25.9	0.6			
	Ft. Sam Houston	336	22	37.1	339	9.4	1.3			100
	Ft. Sill	108	11.1	32.2	16	100	100			
PHCE	Landstuhl Regional Medical Center	38	18.4	31.1	32	3.1	0	32	6.3	1.3
PHCP	Ft. Wainwright	86	10.5	60.3	87	31	0			
	Korea	35	5.7	39	5	0	2.1	5	20	4.3
	Tripler Army Medical Center	112	27.7	9.4	113	4.4	0	5	0	0
Region	Installation	Enterovirus			Parainfluenza			RSV		
		No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.
PHCA	Ft. Belvoir				88	1.1	1.2	258	3.1	8.6
	Ft. Campbell						100			100
	Ft. Drum									100
	Ft. Gordon						100			100
	Ft. Stewart							12	8.3	25
PHCC	Ft. Bliss							27	3.7	10.2
	Ft. Carson							21	47.6	33.9
	Ft. Hood				44	0	5.9	76	3.9	2.1
	Ft. Leavenworth							4	0	10
	Ft. Leonard Wood						100			
	Ft. Polk							5	20	0
	Ft. Riley							61	13.1	8.7
	Ft. Sam Houston						100			100
	Ft. Sill								0	
PHCE	Landstuhl Regional Medical Center				32	0	3.1	44	15.9	10
PHCP	Ft. Wainwright							86	14	2.6
	Korea			0	5	0	2.1	5	0	4.3
	Tripler Army Medical Center	5	0	0	5	0	1.5			100

No.: Number of specimens tested during MMWR week 7 2020.

% Pos.: Percentage of positive specimens reported during MMWR week 7 2020.

Baseline % Pos.: Percentage of positive specimens reported in MMWR week 7 during influenza seasons from September 2012 - May 2019.

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



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

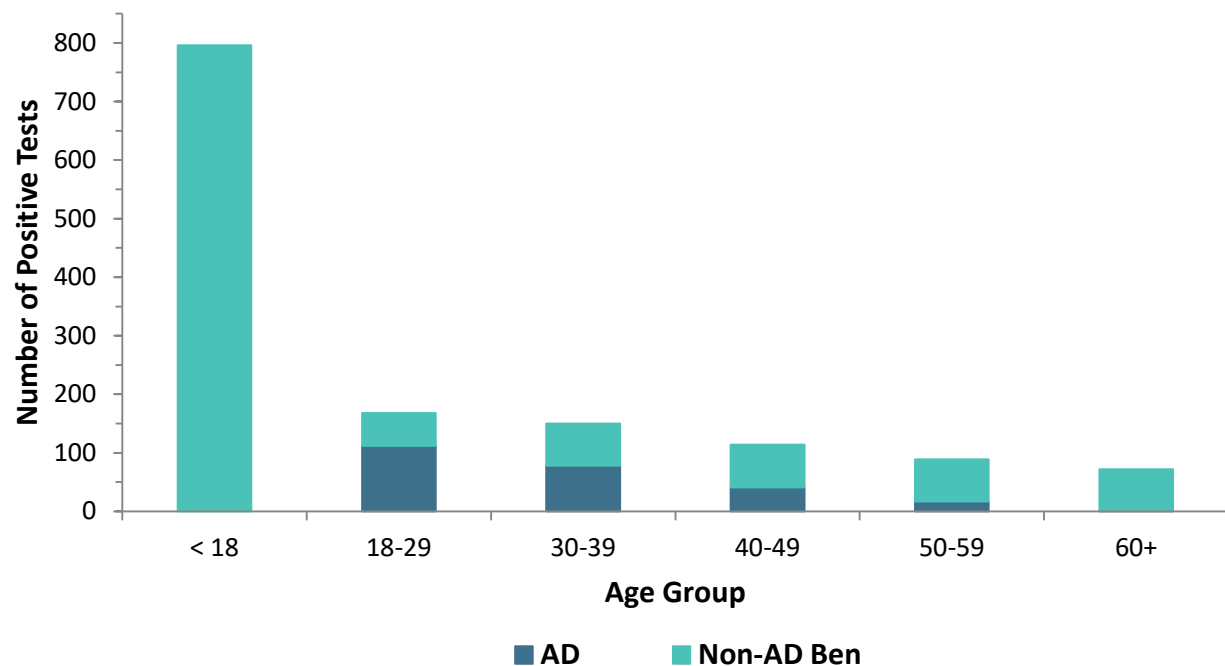
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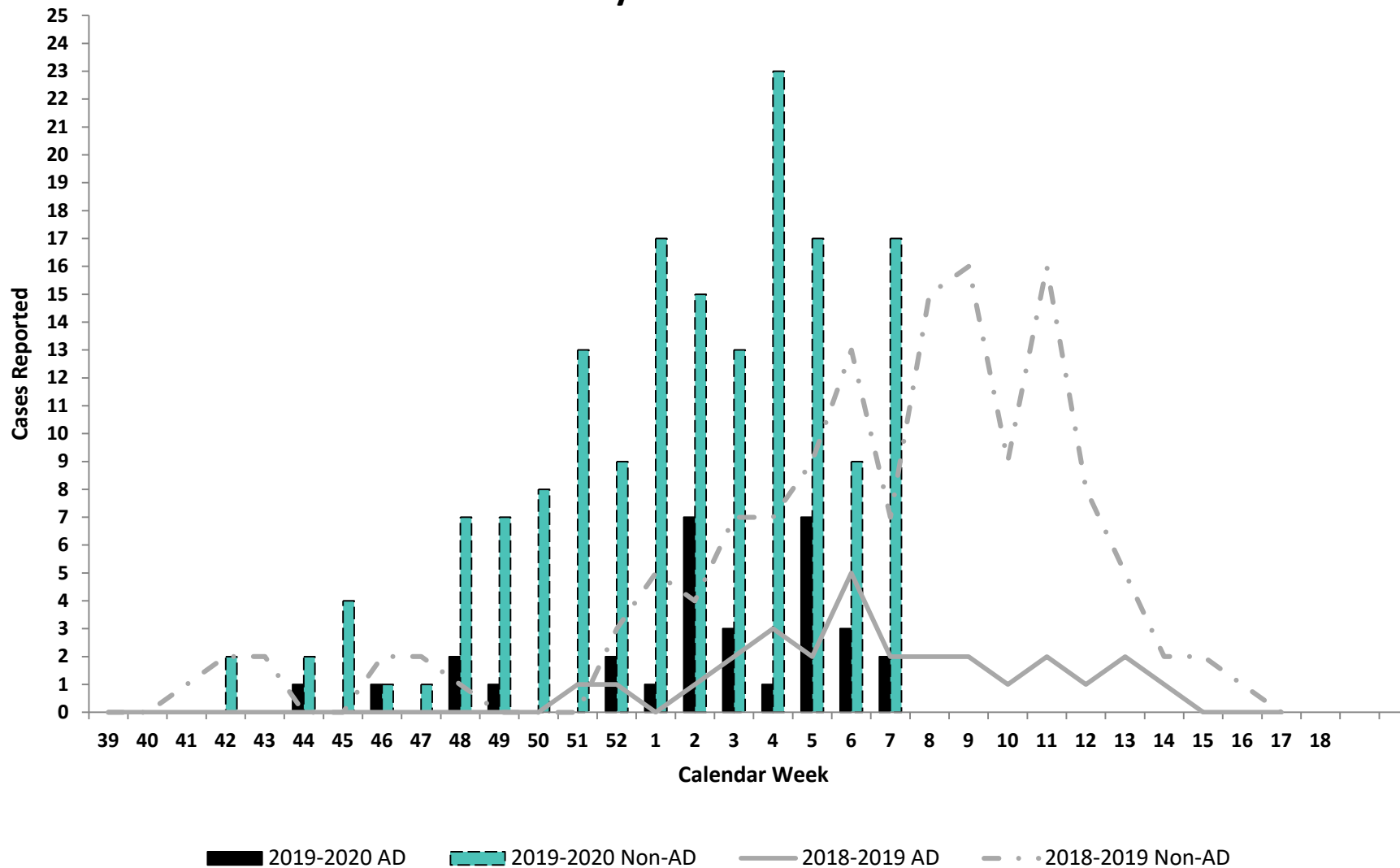
**Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 7**



<b>Week 7</b>			
<b>Age Group</b>	<b>AD</b>	<b>Non-AD Ben</b>	<b>Season Total</b>
< 18	0	796	<b>7747</b>
18-29	112	56	<b>2322</b>
30-39	78	72	<b>1660</b>
40-49	41	73	<b>957</b>
50-59	17	72	<b>729</b>
60+	2	70	<b>663</b>
<b>Total</b>	<b>250</b>	<b>1139</b>	<b>14078</b>



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



**Note:** Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65.  
Data as of 20 February 2020.

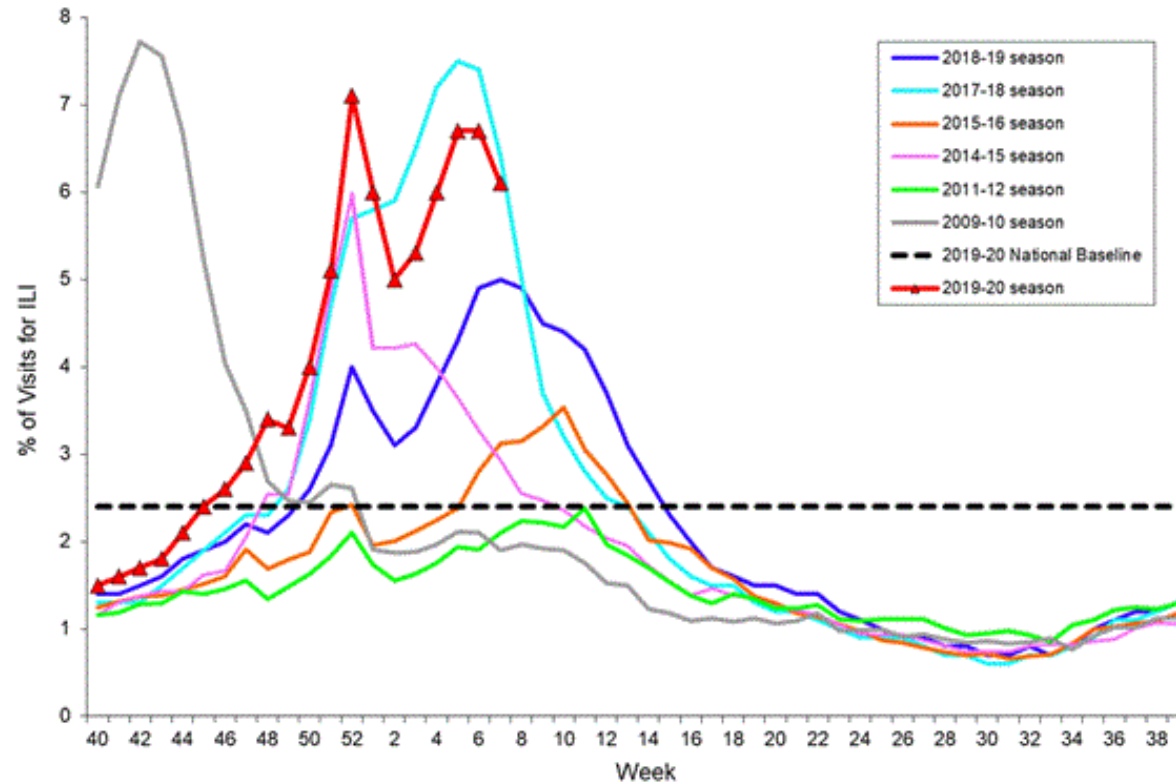


# FLUVIEW



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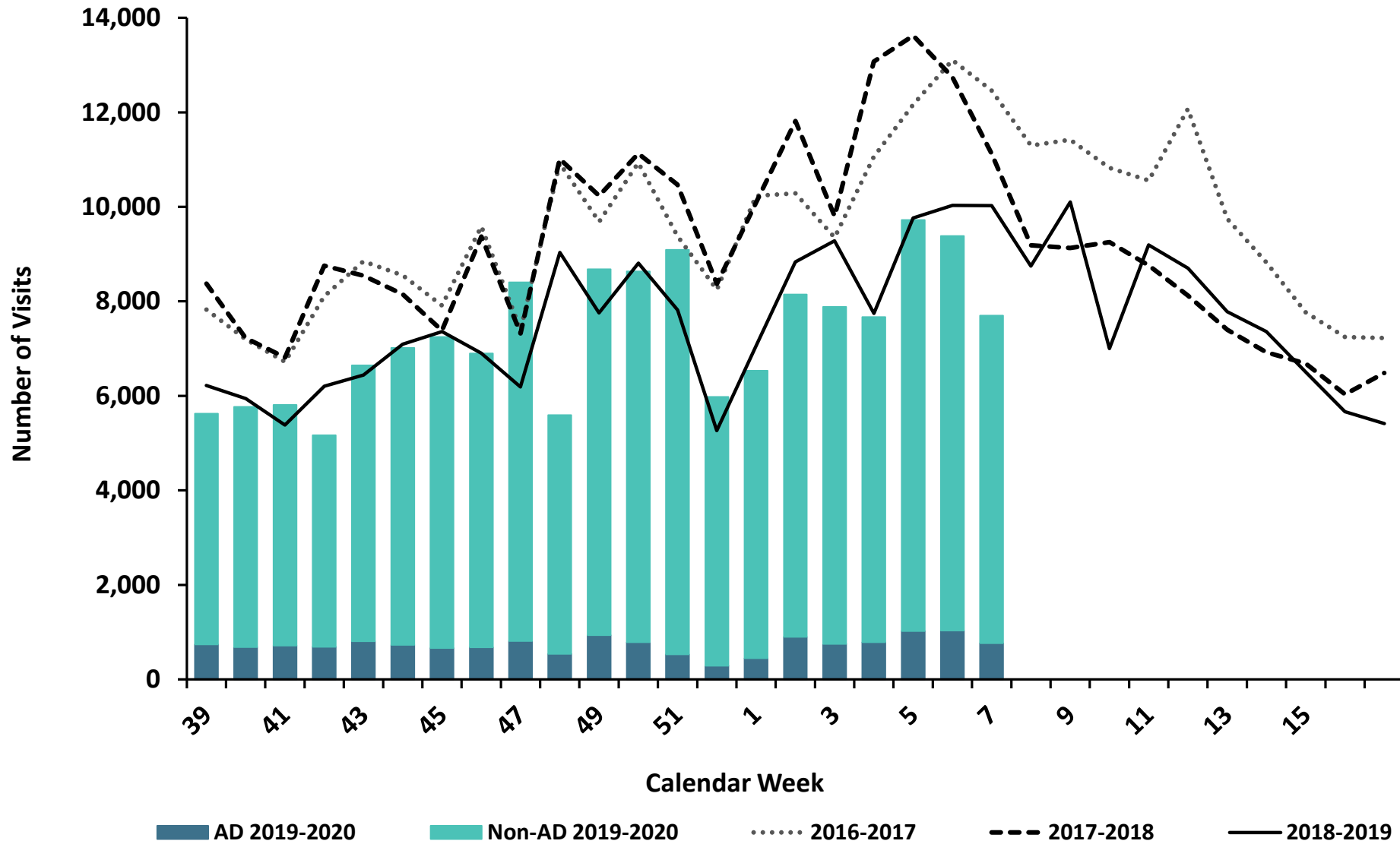
Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2019-2020 and Selected Previous Seasons





# ESSENCE Weekly Outpatient Clinic Visits for Influenza-like Illness

Army MTFs, All Services, 2016-2020

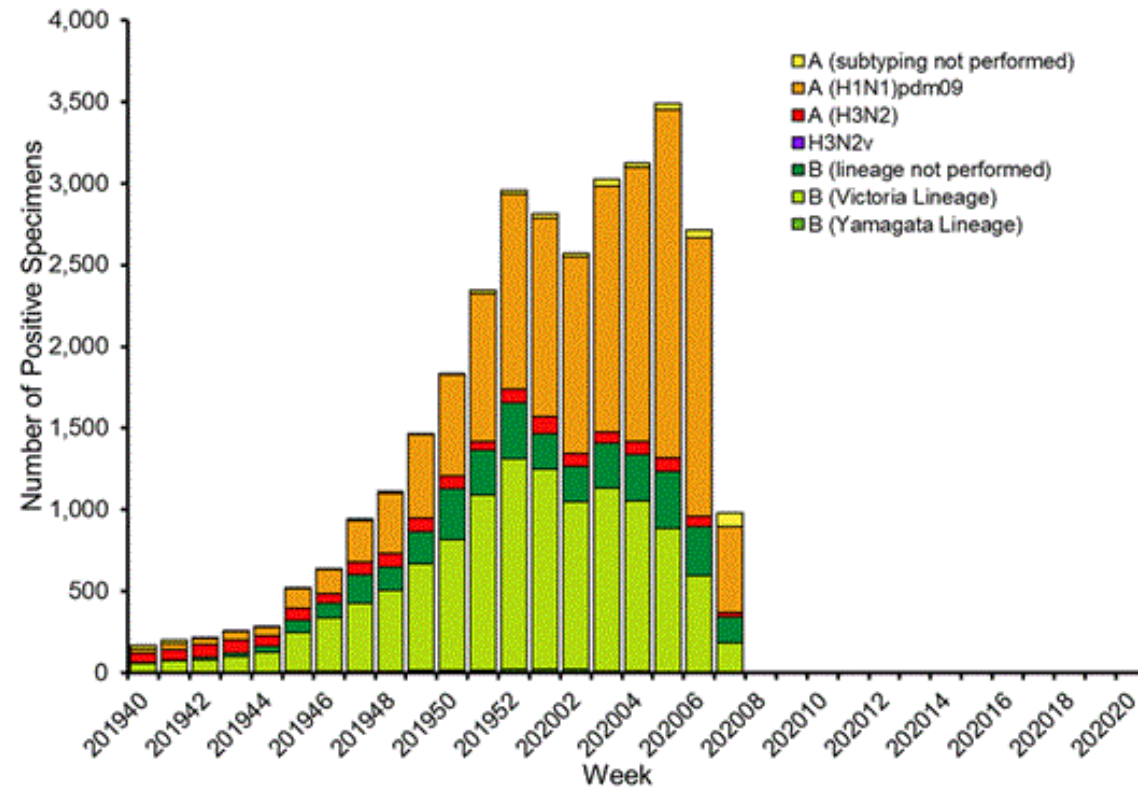


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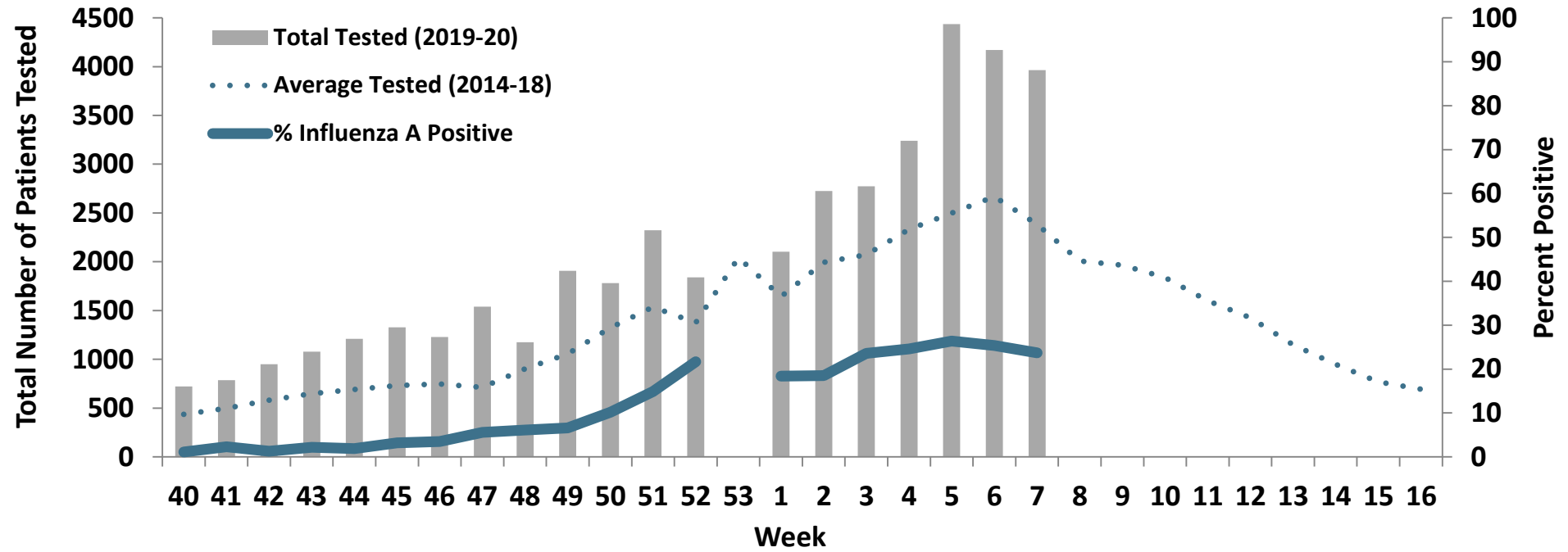


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Proportion of Positive Influenza A Specimens for U.S. Army 2019-2020



## Laboratory Respiratory Specimen Testing – Weeks 2 – 5, 2020

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