

U.S. Army Public Health Center

# Army Influenza Activity Report

Week ending 28 March 2020 (week 13)

## Influenza Vaccination Coverage\*

As of 2 April 2020

N/A	DoD
96%	Army Active Duty
87%	Army Guard
84%	Army Reserve

\*Data Source: MEDPROS, ASIMS, MRRS

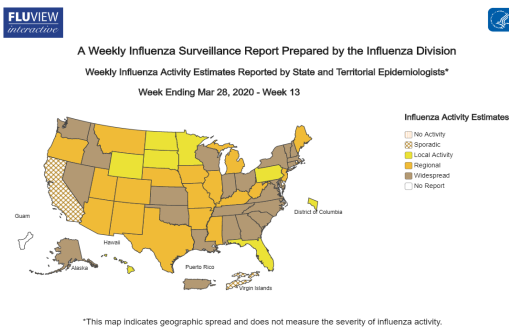
## SUMMARY

During week 13, 4,843 specimens were submitted for testing, which represents a 14% decrease from week 12. Influenza B represented the majority (36%) of positive specimens submitted for testing. Public Health Command (RHC)-A accounted for the greatest number of positive influenza A specimens (n=12). Eighty-six percent of positive influenza A specimens were from non-AD beneficiaries. Beneficiaries between 18 and 29 years old comprised the majority (n=16) of total positive respiratory specimens, and was followed by individuals younger than 18 years of age (n=15). No influenza-associated hospitalizations were reported.

*Results in this report should be interpreted with caution as laboratory data from multiple installations were unavailable.*

## GEOGRAPHIC SPREAD

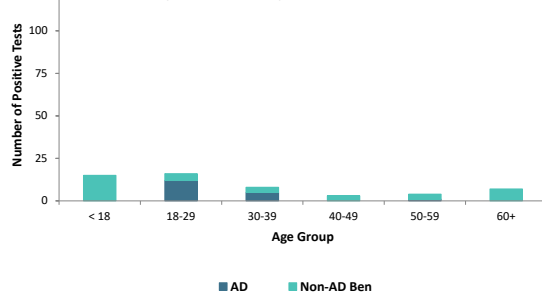
Click to enlarge image



In week 13, widespread activity was reported in Puerto Rico and 22 states. Regional activity was reported in 18 states. Local activity was reported in the District of Columbia and seven states. Sporadic activity was reported in the U.S. Virgin Islands and three states. Guam did not report.

## DEMOGRAPHICS

Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 13

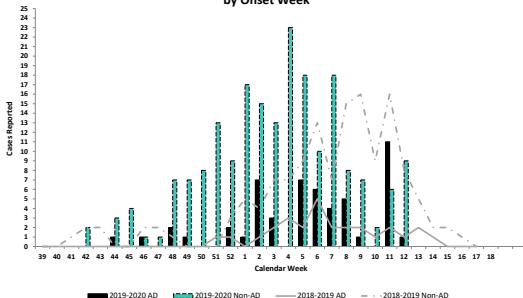


**AD:** In week 13, 18 positive respiratory specimens from Active Duty (AD) Service Members (SM) were submitted. The majority of positive specimens were among individuals 18 to 29 years of age (n=12, 67%) and was followed by those 30 to 39 years of age (n=31=5, 28%).

**Non-AD:** The majority of positive respiratory specimens among non-Active Duty beneficiaries were collected from individuals younger than 18 years of age (n=15, 43%).

## INFLUENZA-ASSOCIATED HOSPITALIZATIONS

Army influenza-Associated Hospitalizations Reported in DRSi by Onset Week



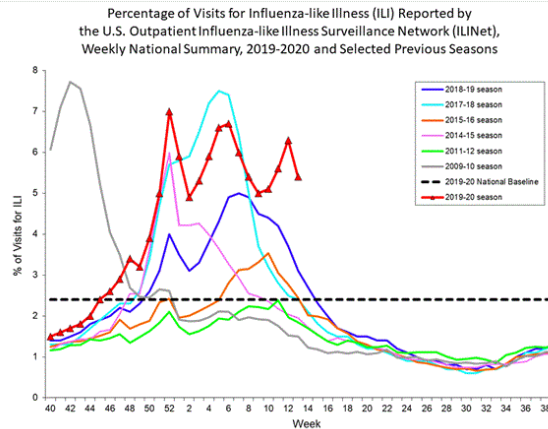
So far this season, 254 hospitalizations have been reported to the DRSi; this is 59% more than the 160 hospitalizations reported last season during the same period. As of 2 April, there were no influenza-associated hospitalizations with onset dates in week 13 reported to the DRSi. During week 13 of the 2018-2019 influenza season, 7 hospitalizations were reported.

\*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

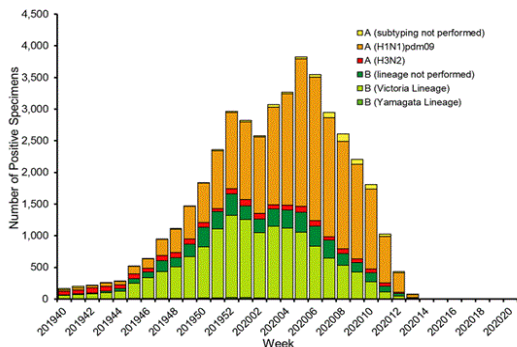
## ILI ACTIVITY - UNITED STATES



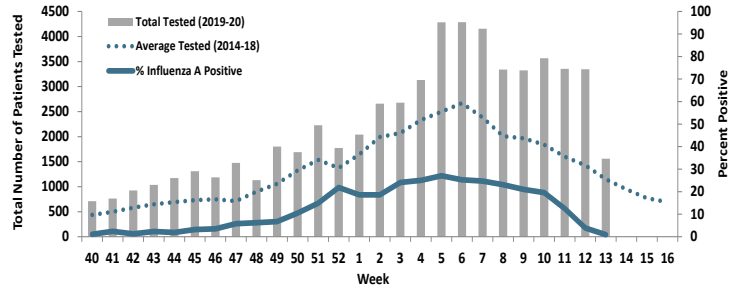
Nationwide in week 13, 5.4% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network were due to influenza-like illness. This is above the national baseline of 2.4%. Regionally, the percentage of outpatient visits for ILI ranged from 3.7% to 12.2%. All regions reported a percentage of outpatient visits for ILI above their region-specific baselines, and one region reported an increase in percentage of outpatient ILI visits.

## 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, 924 specimens were submitted to CDC in week 13, of which 8% (n=75) were positive. Influenza A accounted for 72% (n=54) of the total positive specimens submitted to the CDC in week 13, while influenza B accounted for 28% (n=21). In the Army population, 0.9% of 1,560 specimens tested for influenza A were positive.

		Week 10	Week 11	Week 12	Week 13	Season Total
Test Types Among Positive Influenza A Specimens	RAT	480	341	103	8	6229
	Culture	5	4	0	0	159
	PCR	214	73	26	6	3259
Army MTF Laboratory Results, 2019-20	Influenza A	699	418	129	14	9647
	Influenza B	198	154	102	19	6047
	Adenovirus	17	5	2	6	254
	Enterovirus	0	0	0	0	7
	Parainfluenza	2	2	1	4	225
	RSV	43	26	7	10	1697
	Negative	5777	5112	5387	4790	98748
	<b>Total</b>	<b>6736</b>	<b>5717</b>	<b>5628</b>	<b>4843</b>	<b>116625</b>

In week 13, 4,843 respiratory specimens were tested and 1.1% (n=53) were positive for any type of respiratory illness. Influenza B accounted for the majority of positive results in week 13 (36%, n=19); influenza A accounted for 26% (n=14); RSV accounted for 19% (n=10); adenovirus accounted for 11% (n=6); and parainfluenza accounted for 8% (n=4).

Rapid antigen tests (RATs) represented 57% of positive influenza A tests, and polymerase chain reaction (PCR) tests represented 43% of positive influenza A tests.

**Locations providing week 13 laboratory data as of 2 April 2020:** Ft. Belvoir, Ft. Bragg, Ft. Campbell, Ft. Drum, Ft. Eustis, Ft. Gordon, Ft. Irwin, Ft. Jackson, Ft. Knox, Ft. Leavenworth, Ft. Lee, Ft. Leonard Wood, Ft. Meade, Ft. Polk, Ft. Riley, Ft. Rucker, Ft. Stewart, Ft. Wainwright, Tripler Army Medical Center, the US Military Academy, and the Walter Reed National Military Medical Center.

\*NOTE: Madigan AMC data is also received weekly, but cannot be included at this time due to access 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
RHCA	Ft. Belvoir	649	0.9	27.6	653	0.2	7.5	653	0.9	9.2
	Ft. Bragg	76	0	32.3			100			
	Ft. Campbell	169	1.2	17.6	171	3.5	0			100
	Ft. Drum	19	0	41.2			100			100
	Ft. Eustis	9	11.1	30.4	1	100	100			
	Ft. Gordon	21	0	16.7	21	0	0			100
	Ft. Jackson			2.2			10.9			
	Ft. Knox			11.1			0			
	Ft. Lee	26	0	30			100			
	Ft. Meade	15	6.7	43.8						
	Ft. Rucker	11	0	80	11	0	0			
	Ft. Stewart	94	1.1	12.9	92	2.2	0			100
U.S. Military Academy	24	4.2	27.6	1	0	11.1			100	
RHCC	Ft. Irwin	20	0	38.2	20	10	0			
	Ft. Leavenworth	22	0	26.8	23	0	1.8			
	Ft. Leonard Wood	107	0	31.1	108	1.9	0			100
	Ft. Polk	71	1.4	22.4	2	100	66.7			
	Ft. Riley	63	1.6	2.2	57	0	6.5			
RHCP	Ft. Wainwright	27	0	10.3	26	0	17.2			
	Tripler Army Medical Center	191	0	4.3	192	1.6	0	10	0	0
Region	Installation	Enterovirus			Parainfluenza			RSV		
		No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.
RHCA	Ft. Belvoir				657	0.6	8.3	651	1.1	4.1
	Ft. Campbell						100			100
	Ft. Drum							3	0	0
	Ft. Gordon						100			100
	Ft. Stewart						100	9	0	10
	U.S. Military Academy						100			100
RHCC	Ft. Leavenworth									0
	Ft. Polk							3	0	0
	Ft. Riley							18	5.6	0
RHCP	Ft. Wainwright							27	7.4	7.4
	Tripler Army Medical Center	10	0	0	10	0	1.9			100

No.: Number of specimens tested during MMWR week 13 2020.

% Pos.: Percentage of positive specimens reported during MMWR week 13 2020.

Baseline % Pos.: Percentage of positive specimens reported in MMWR week 13 during influenza seasons from September 2012 - May 2019.

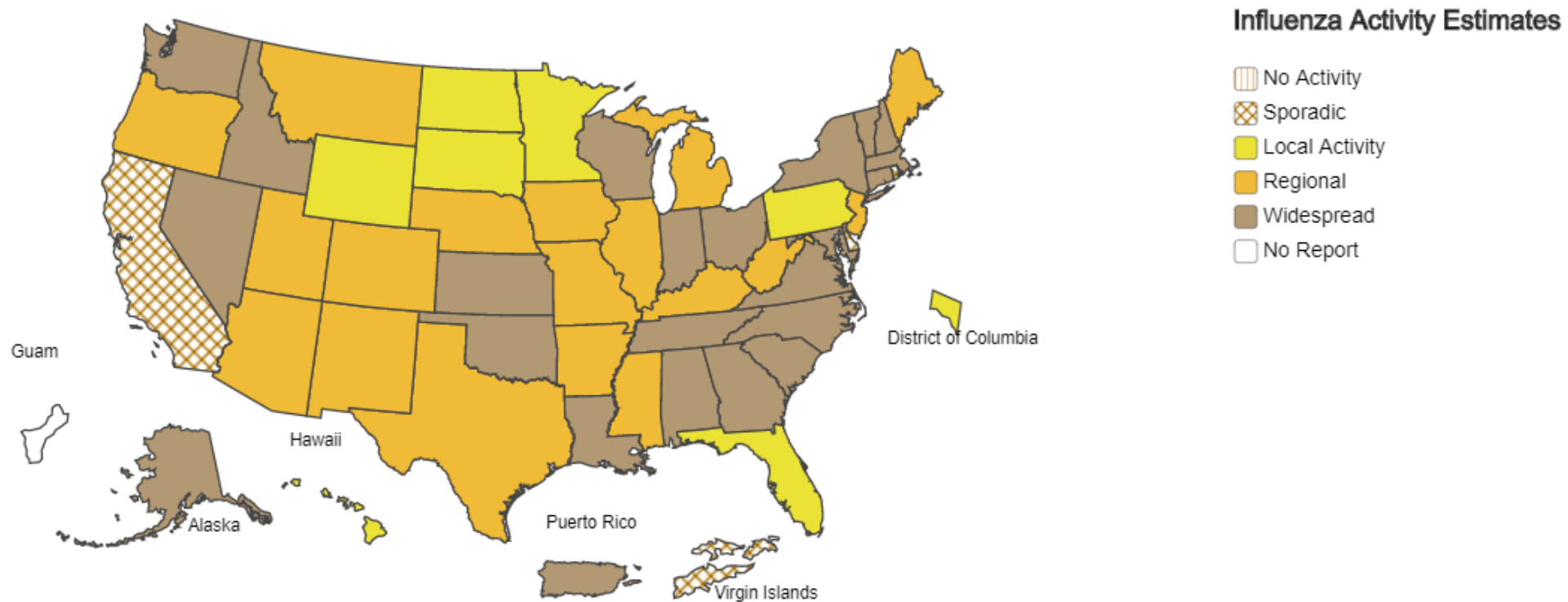
Missing values indicate that specimens were not tested for the disease during the week of interest.



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

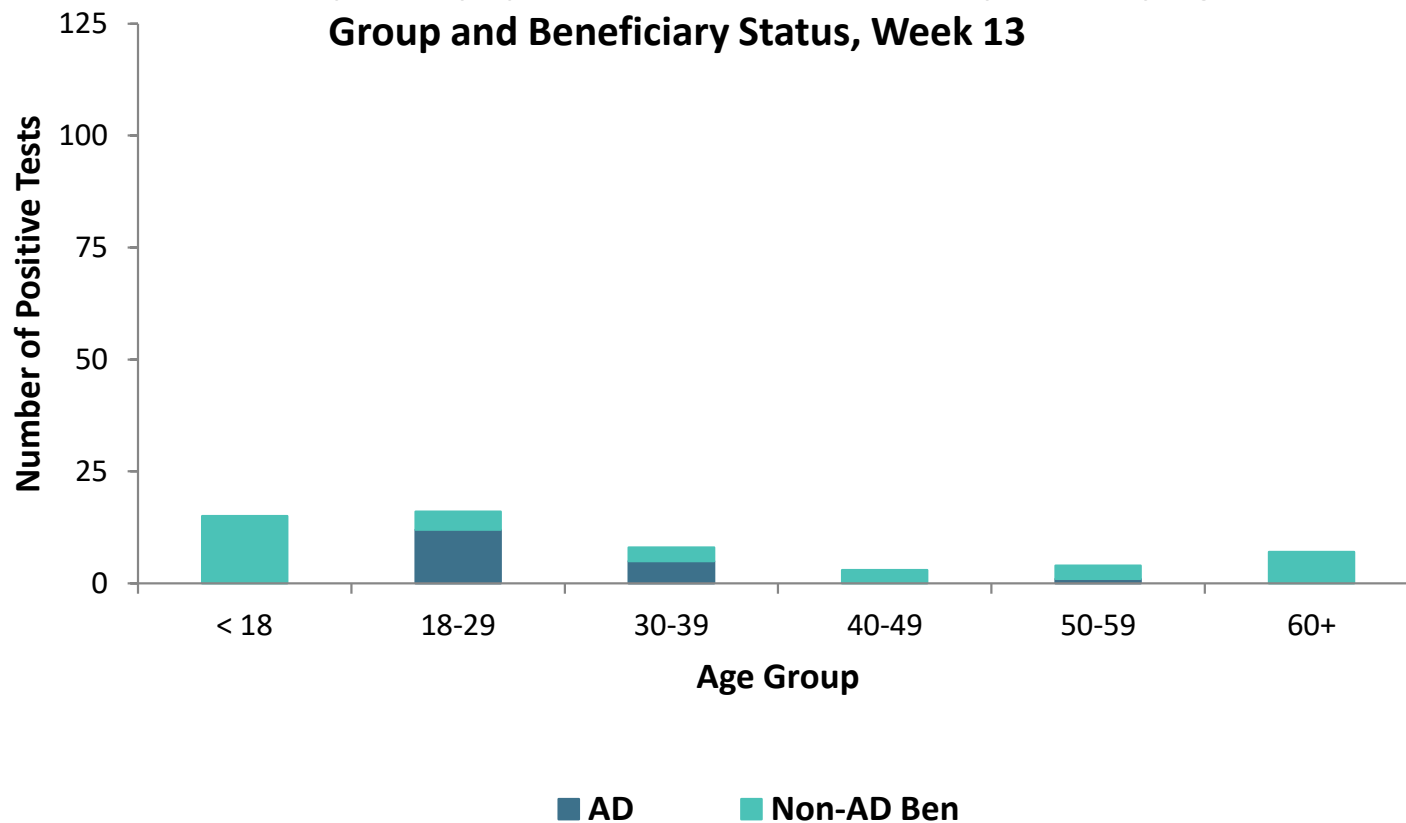
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\*

Week Ending Mar 28, 2020 - Week 13



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

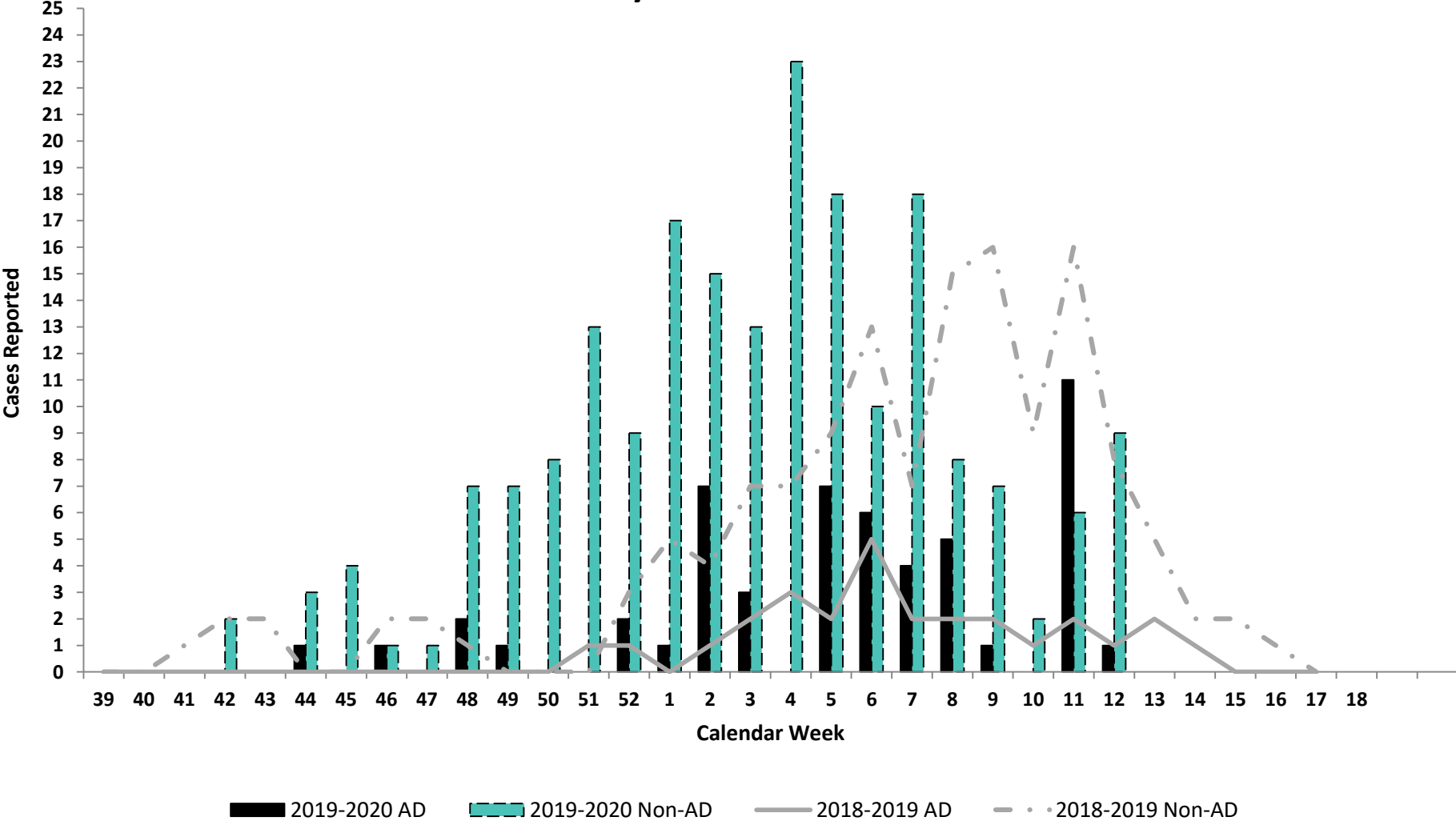
**Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 13**



<b>Week 13</b>			
<b>Age Group</b>	<b>AD</b>	<b>Non-AD Ben</b>	<b>Season Total</b>
< 18	0	15	<b>9659</b>
18-29	12	4	<b>2923</b>
30-39	5	3	<b>2206</b>
40-49	0	3	<b>1282</b>
50-59	1	3	<b>951</b>
60+	0	7	<b>856</b>
<b>Total</b>	<b>18</b>	<b>35</b>	<b>17877</b>



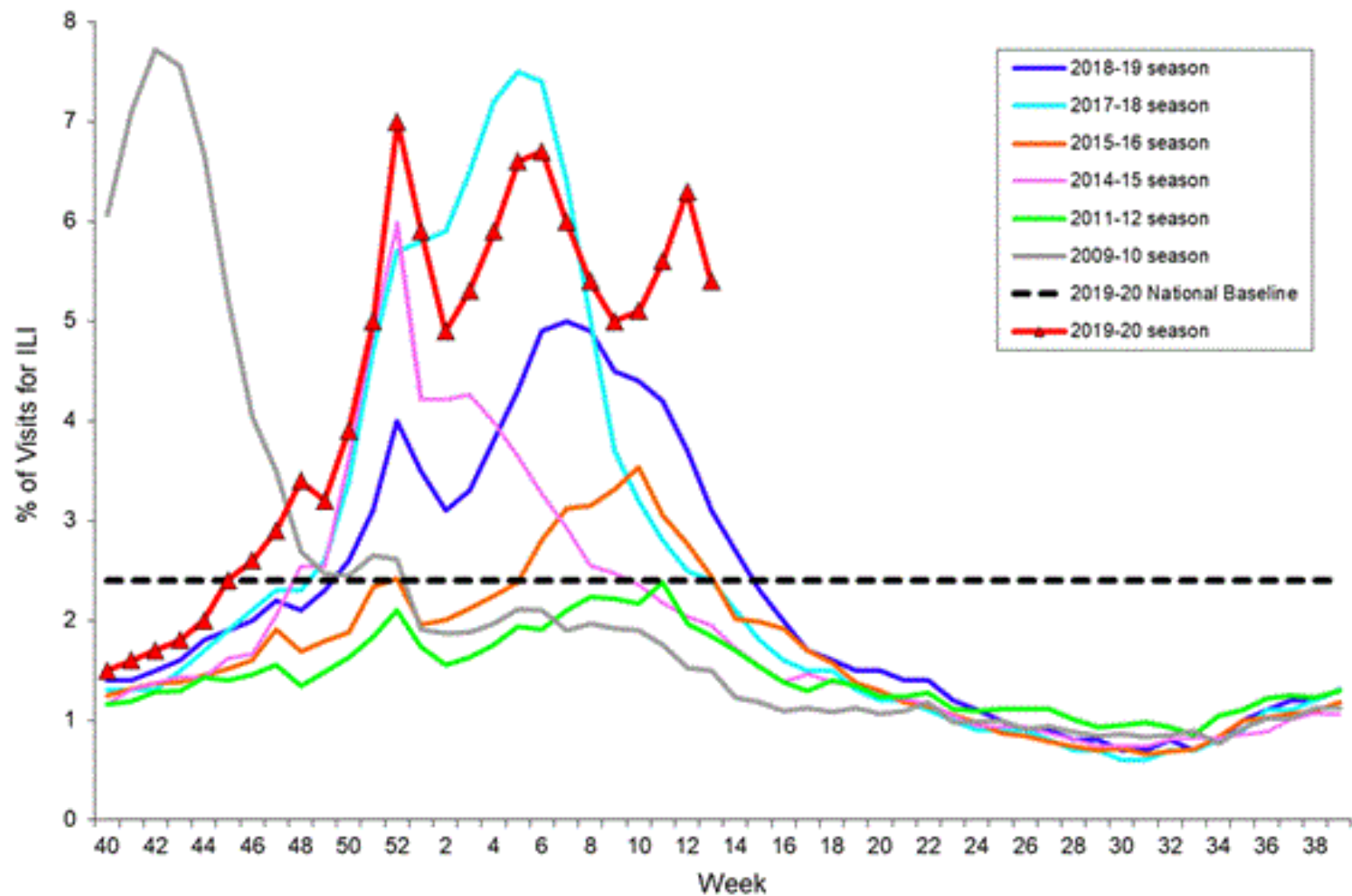
# Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week



**Note:** Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65.  
Data as of 2 April 2020.

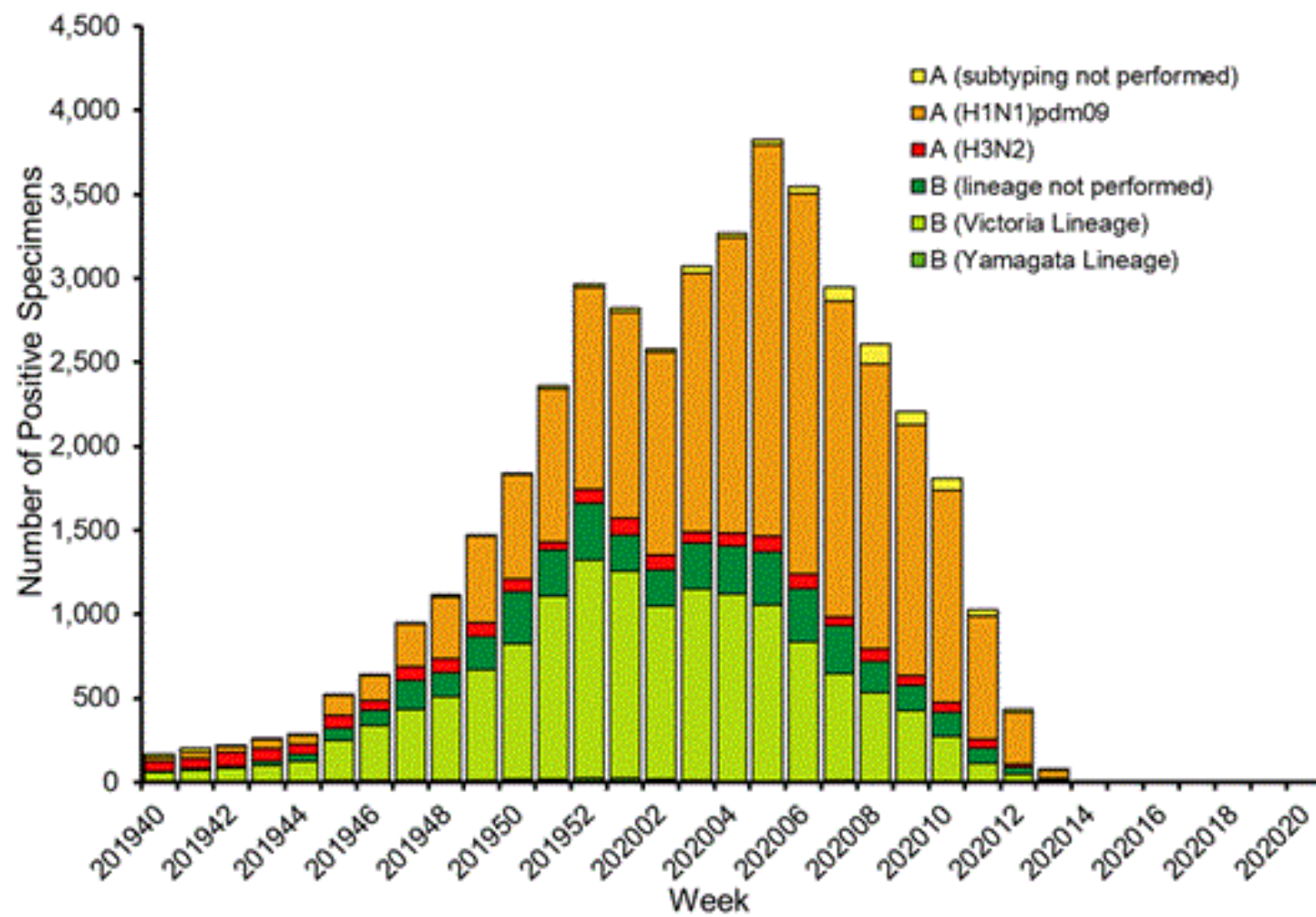


Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2019-2020 and Selected Previous Seasons

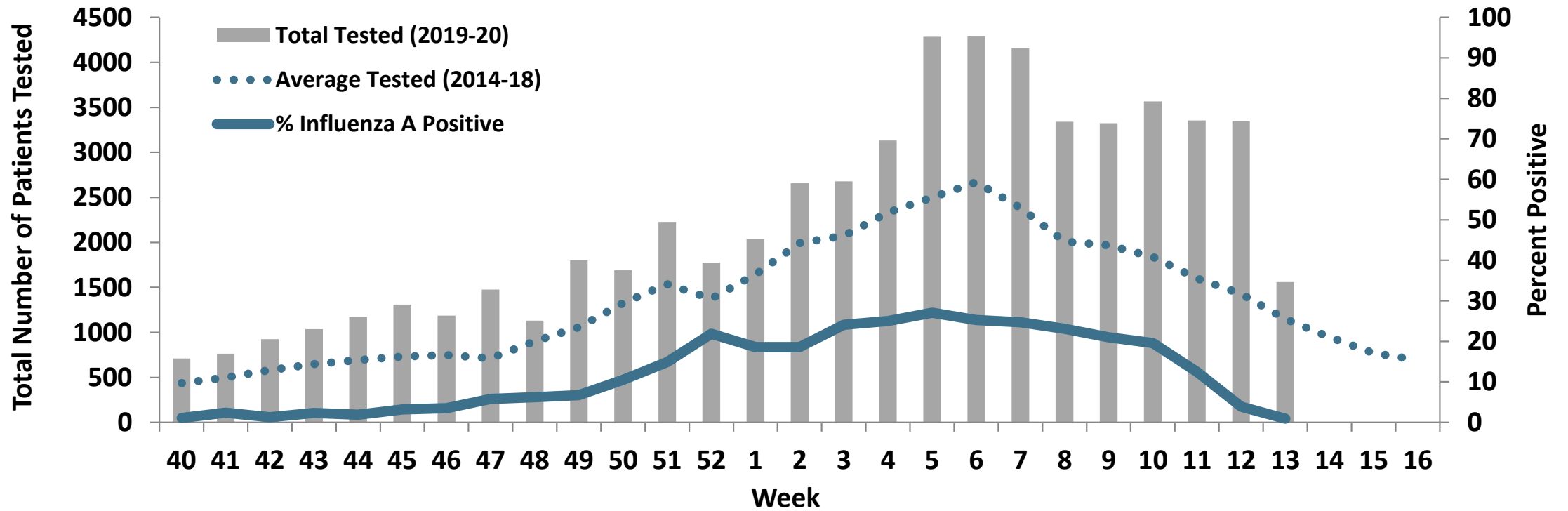




## Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, 2019-2020 Season



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



## Laboratory Respiratory Specimen Testing: Weeks 10 – 13

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