

U.S. Army Public Health Center

# Army Influenza Activity Report

Week ending 07 March 2020 (week 10)

## Influenza Vaccination Coverage\*

As of 12 March 2020

N/A	DoD
96%	Army Active Duty
87%	Army Guard
83%	Army Reserve

\*Data Source: MEDPROS, ASIMS, MRRS

## SUMMARY

During week 10, there were 6,179 specimens submitted for testing, which represents an 8% increase from week 9. Influenza A represented the majority (74%) of positive specimens submitted for testing. At 21%, PHC-C had the highest percent-positive rate for specimens tested for influenza A compared to other regions. Additionally, PHC-C accounted for the greatest number of positive influenza A specimens (n=325). Seventy-one percent of positive influenza A specimens were from non-AD beneficiaries. Beneficiaries younger than 18 years old comprised the majority (n=438) of total positive respiratory specimens, and was followed by individuals 18 to 29 years of age (n=124). Two influenza-associated hospitalizations were reported in week 10.

## 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 Mar 07, 2020 - Week 10

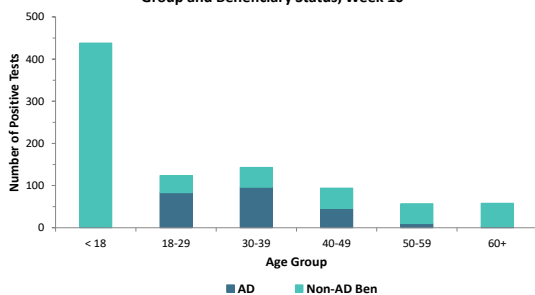


\*This map indicates geographic spread and does not measure the severity of influenza activity.

In week 10, widespread activity was reported in Puerto Rico and 48 states. Regional activity was reported in Oregon. Local activity was reported in the District of Columbia and Hawaii. 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 10

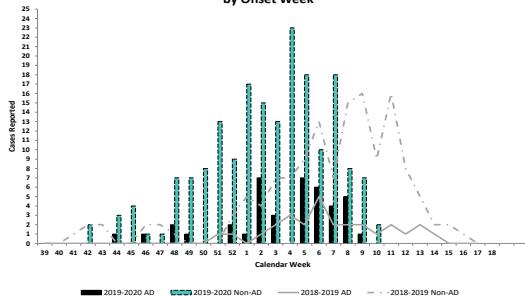


**AD:** In week 10, 237 positive respiratory specimens from Active Duty (AD) Service Members (SM) were submitted. The majority of positive specimens were among individuals 30 to 39 years of age (n=96, 41%) and was followed by those 18 to 29 years of age (n=83, 35%).

**Non-AD:** The majority of positive respiratory specimens among non-Active Duty beneficiaries were collected from individuals younger than 18 years of age (n=438, 65%).

## INFLUENZA-ASSOCIATED HOSPITALIZATIONS

Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week



So far this season, 227 hospitalizations have been reported to the DRSi; this is 79% more than the 127 hospitalizations reported last season during the same period. As of 10 March, 2 influenza-associated hospitalizations with onset dates in week 10 were reported to the DRSi. During week 10 of the 2018-2019 influenza season, 10 hospitalizations were reported.

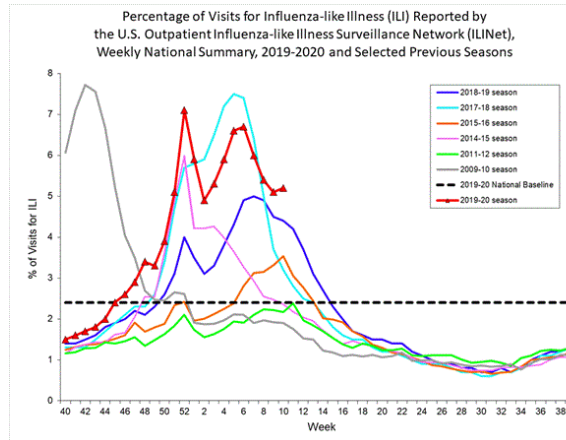
\*DRSi does not capture cases older than 65 years old for influenza-associated hospitalizations.

**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](mailto:APHC_DEP)  
410-436-7605

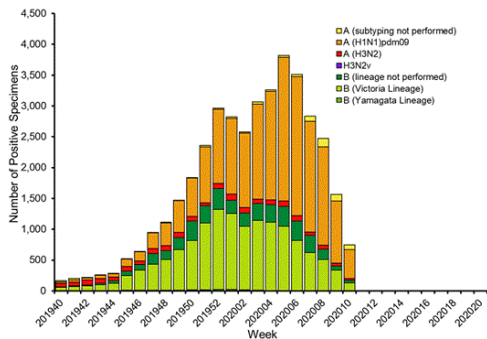
## ILI ACTIVITY - UNITED STATES



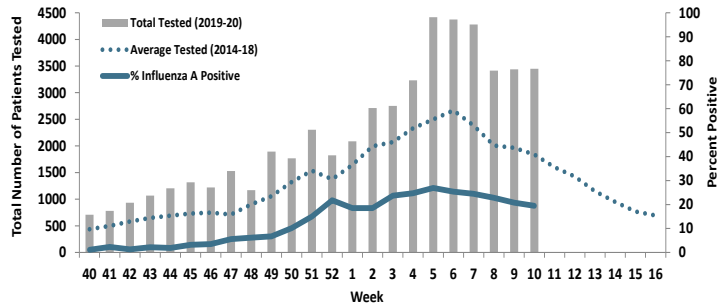
Nationwide in week 10, 5.2% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network were due to influenza-like illness. This is above the national baseline of 2.4%. Regionally, the percentage of outpatient visits for ILI ranged from 3.9% to 8.4%. All regions reported a percentage of outpatient visits for ILI above their region-specific baselines.

## 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, 1,513 specimens were submitted to CDC in week 10, of which 49% (n=744) were positive. Influenza A accounted for 77.3% (n=575) of the total positive specimens submitted to the CDC in week 10, while influenza B accounted for 22.7% (n=169). In the Army population, 19.5% of 3,450 specimens tested for influenza A were positive, which is above the historical average (2013-2014 season - 2018-2019 season) of 17.5% for week 10.

		Week 7	Week 8	Week 9	Week 10	Season Total
Test Types Among Positive Influenza A Specimens	RAT	826	609	572	493	5989
	Culture	6	3	3	2	136
	PCR	218	165	141	178	3112
Army MTF Laboratory Results, 2019-20	Influenza A	1050	777	716	673	9237
	Influenza B	397	280	241	190	5957
	Adenovirus	8	7	2	13	234
	Enterovirus	0	0	0	0	7
	Parainfluenza	3	1	0	1	214
	RSV	64	42	46	37	1643
	Negative	5764	4774	4737	5265	85221
	<b>Total</b>	<b>7286</b>	<b>5881</b>	<b>5742</b>	<b>6179</b>	<b>102513</b>

In week 10, 6,179 respiratory specimens were tested and 14.8% (n=914) were positive for any type of respiratory illness. Influenza A accounted for the majority of positive results in week 10 (73.6%, n=673), and influenza B accounted for 20.8% (n=190). Approximately 5.6% of specimens were positive for other respiratory illnesses: RSV (4.1%), adenovirus (1.4%), and parainfluenza (0.1%).

Rapid antigen tests represented 73.3% of positive influenza A tests, followed by PCR tests (26.4%), and cultures (0.3%).

**Locations providing week 8 laboratory data as of 11 March 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. Leonard Wood, Ft. Meade, Ft. Riley, Ft. Rucker, Ft. Sam Houston, Ft. Sill, Ft. Stewart, Ft. Wainwright, Korea, Landstuhl Regional Medical Center, Redstone Arsenal, Tripler Army Medical Center, the US Military Academy, and the Walter Reed National Military Medical Center.

\*NOTE: Madigan AMC data is also collected 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
PHCA	Ft. Belvoir	461	24.3	27	255	10.6	0.6	100	7	7.7
	Ft. Benning	251	12.4	11.8	248	3.2	1.5			
	Ft. Bragg	318	13.8	33.9			100			
	Ft. Campbell	193	14.5	26.1	194	8.8	0.6			100
	Ft. Drum	20	40	39.1	2	100	100			
	Ft. Eustis			49.3			100			
	Ft. Gordon	106	17	9.7	107	0	3.4			100
	Ft. Jackson	141	13.5	25.9	140	7.9	0			
	Ft. Knox	5	0	18.9	5	0	0			
	Ft. Lee			28.4			100			
	Ft. Meade	20	30	44.4						
	Ft. Rucker	31	3.2	25	29	0	0			
	Ft. Stewart	92	9.8	30.9	92	4.3	0.9			
	Redstone Arsenal	25	32	0	25	8	0			
	U.S. Military Academy	72	18.1	43.2	2	50	0			100
PHCC	Ft. Bliss	250	12.4	24.2	9	44.4	0.5			10.3
	Ft. Carson	125	16	27.3			100			
	Ft. Hood	278	18.7	28.4	265	1.1	0.3	35	5.7	8.7
	Ft. Huachuca	68	17.6	25	69	5.8	11.1			
	Ft. Irwin	79	7.6	19.7	79	3.8	0			
	Ft. Leavenworth	46	19.6	34.2	46	8.7	1.3			
	Ft. Leonard Wood	231	23.8	34	229	13.5	0			100
	Ft. Polk	25	20	26.9			100			
	Ft. Riley	137	9.5	17.9	138	18.8	4.5			
	Ft. Sam Houston	259	27	30.2	258	1.6	1.8			100
Ft. Sill	173	30.1	35.2	8	100	100				
PHCE	Landstuhl Regional Medical Center	52	9.6	16.3	48	25	1.3	47	6.4	3.8
PHCP	Ft. Wainwright	73	23.3	44	72	11.1	0			
	Korea	40	0	32.8	20	0	0	20	5	10
	Tripler Army Medical Center	145	20	16.2	146	7.5	1.4	16	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				100	0	7.1	250	3.6	1.3
	Ft. Campbell									100
	Ft. Drum			100				1	0	25
	Ft. Gordon									100
	Ft. Stewart							6	0	6.3
PHCC	Ft. Bliss							14	7.1	4.4
	Ft. Carson							23	13	26.2
	Ft. Hood				36	2.8	4.3	82	3.7	1.5
	Ft. Leavenworth							4	0	18.2
	Ft. Polk							1	0	0
	Ft. Riley							40	2.5	4.2
	Ft. Sam Houston						100			100
Ft. Sill							5	0	0	
PHCE	Landstuhl Regional Medical Center				48	0	2.5	63	9.5	9.6
PHCP	Ft. Wainwright							68	16.2	1.4
	Korea			0	20	0	2.5	20	15	0
	Tripler Army Medical Center	16	0	0	16	0	1.4			100

No.: Number of specimens tested during MMWR week 10 2020.

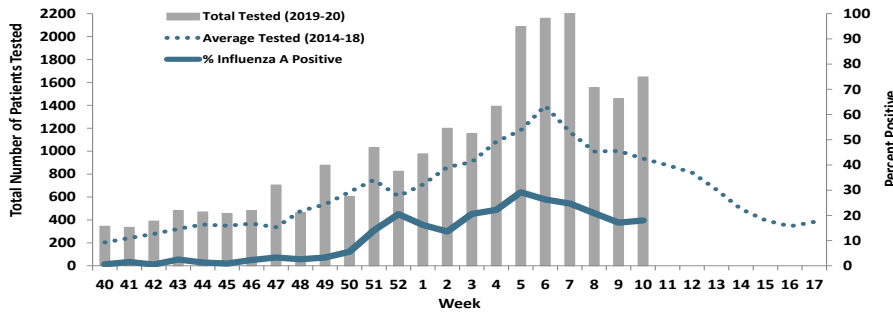
% Pos.: Percentage of positive specimens reported during MMWR week 10 2020.

Baseline % Pos.: Percentage of positive specimens reported in MMWR week 10 during influenza seasons from September 2012 - May 2019.

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

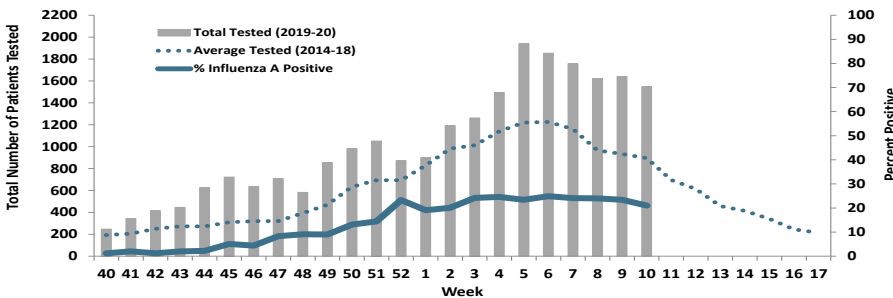
**Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2019-2020 as Compared to 2014-2018**

**Public Health Command - Atlantic (PHC-A)**



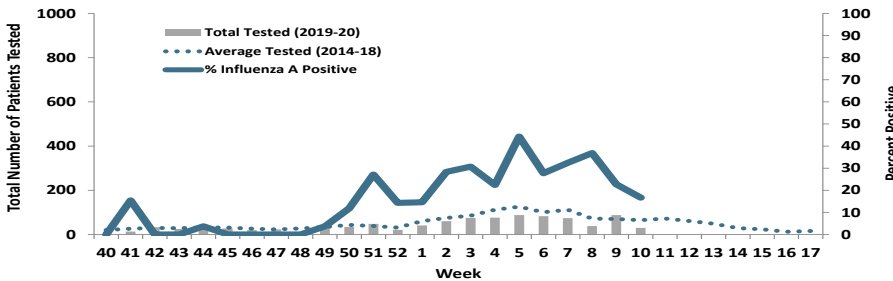
Week 10			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	125	1723
18-29	18	8	609
30-39	40	11	549
40-49	23	19	476
50-59	7	26	339
60+	1	19	233
<b>Total</b>	<b>89</b>	<b>208</b>	<b>3929</b>

**Public Health Command - Central (PHC-C)**



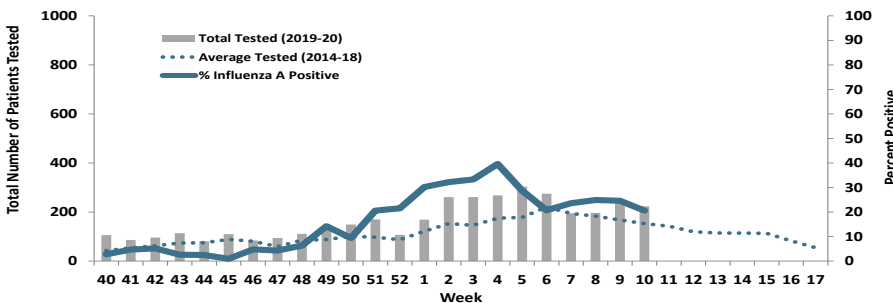
Week 10			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	132	1987
18-29	31	15	502
30-39	42	18	645
40-49	18	23	495
50-59	2	16	350
60+	0	28	316
<b>Total</b>	<b>93</b>	<b>232</b>	<b>4295</b>

**Public Health Command - Europe (PHC-E)**



Week 10			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	2	74
18-29	0	1	32
30-39	1	0	47
40-49	0	0	31
50-59	0	0	16
60+	0	1	12
<b>Total</b>	<b>1</b>	<b>4</b>	<b>212</b>

**Public Health Command - Pacific (PHC-P)**



Week 10			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	24	252
18-29	6	1	188
30-39	5	5	186
40-49	2	2	91
50-59	0	1	52
60+	0	0	30
<b>Total</b>	<b>13</b>	<b>33</b>	<b>799</b>

**Number of Positive Influenza A Specimens by Duty Status and Public Health Command**

Region	Week 3		Week 4		Week 5		Week 6		Week 7		Week 8		Week 9		Week 10	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
PHC-A	49	189	64	245	201	408	199	369	145	412	97	228	74	176	89	208
PHC-C	73	232	85	282	102	352	122	340	88	335	77	312	84	300	93	232
PHC-E	9	14	9	8	16	23	6	17	8	16	4	10	8	12	1	4
PHC-P	49	38	51	55	32	55	16	41	7	39	14	35	17	45	13	33
CENTCOM	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-

# A Weekly Influenza Surveillance Report Prepared by the Influenza Division

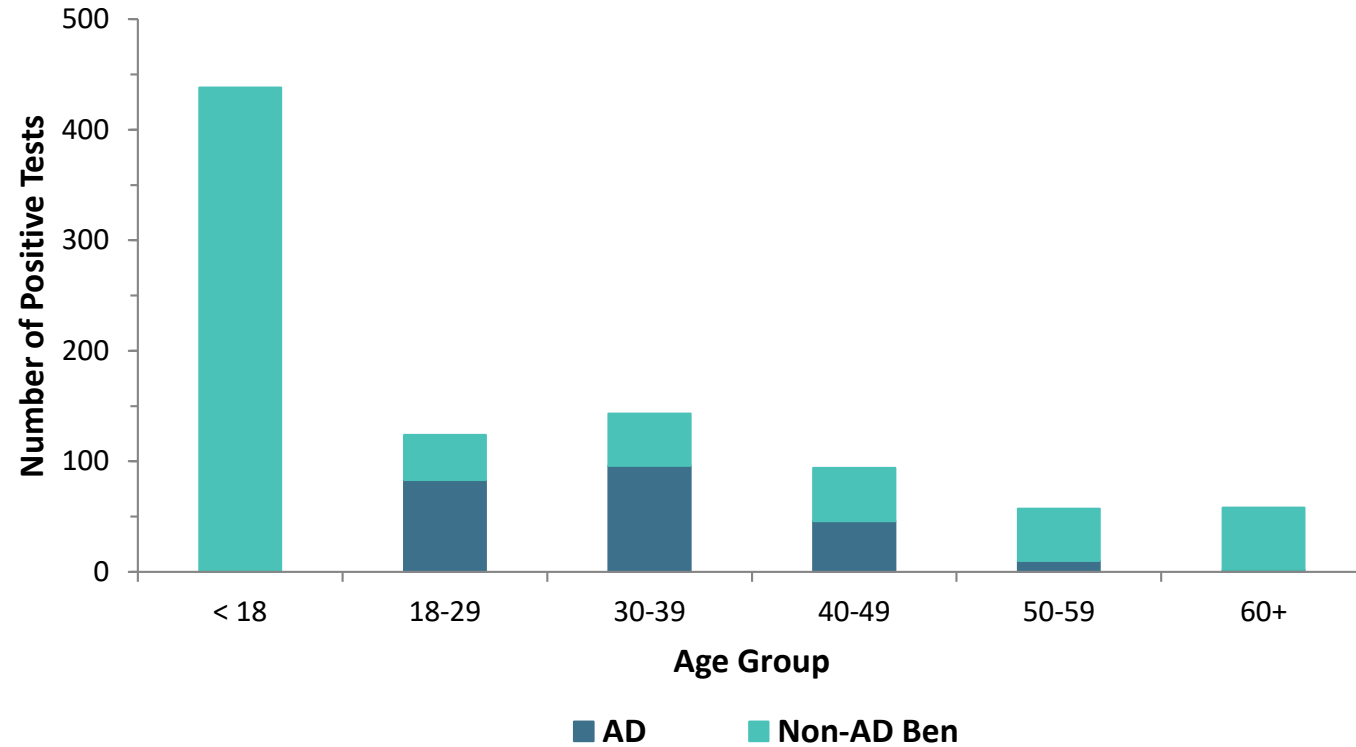
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\*

Week Ending Mar 07, 2020 - Week 10



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

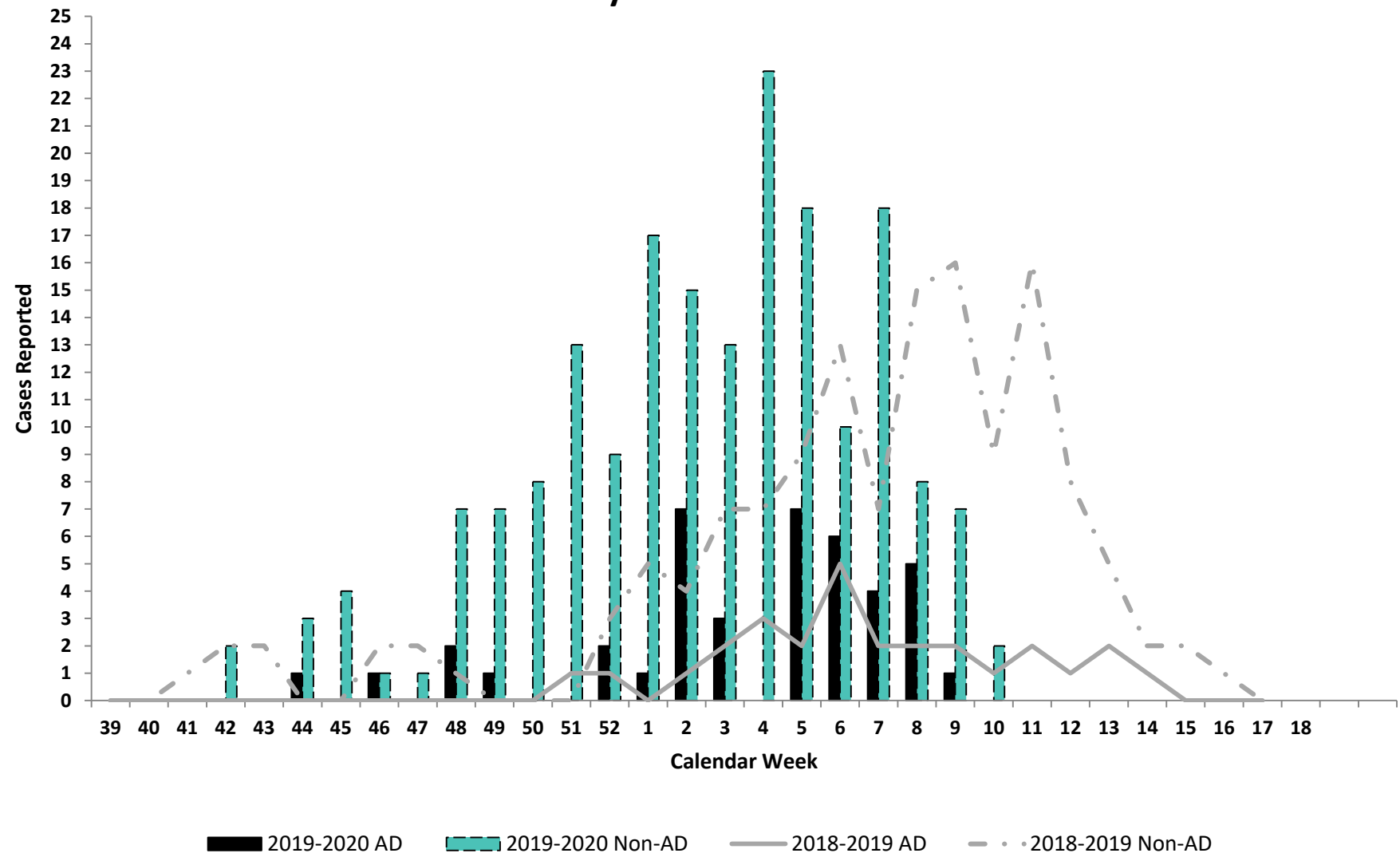
**Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 10**



<b>Week 10</b>			
<b>Age Group</b>	<b>AD</b>	<b>Non-AD Ben</b>	<b>Season Total</b>
< 18	0	438	<b>9392</b>
18-29	83	41	<b>2803</b>
30-39	96	47	<b>2115</b>
40-49	46	48	<b>1243</b>
50-59	10	47	<b>911</b>
60+	2	56	<b>828</b>
<b>Total</b>	<b>237</b>	<b>677</b>	<b>17292</b>



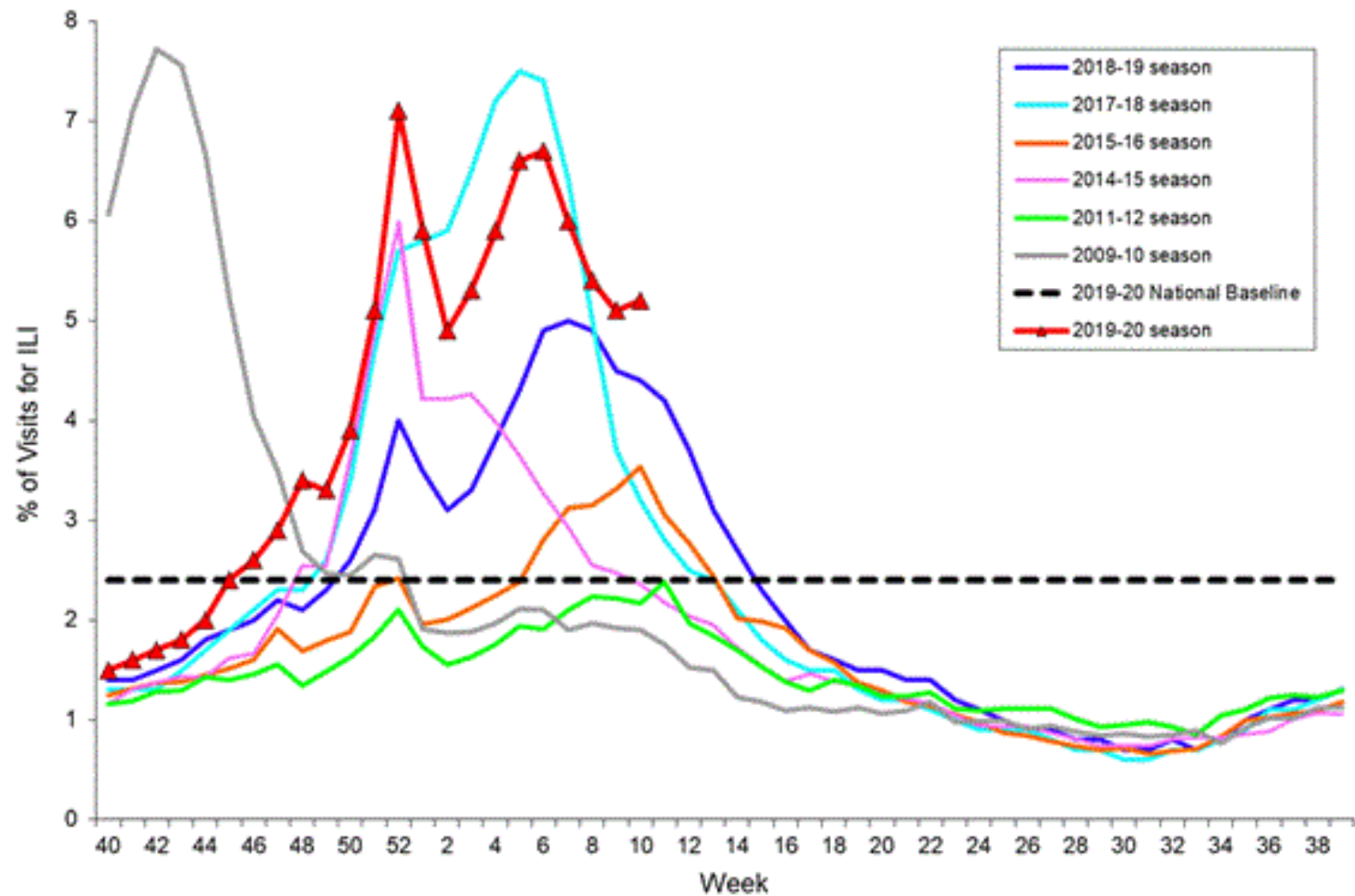
# Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week



**Note:** Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65.  
Data as of 10 March 2020.

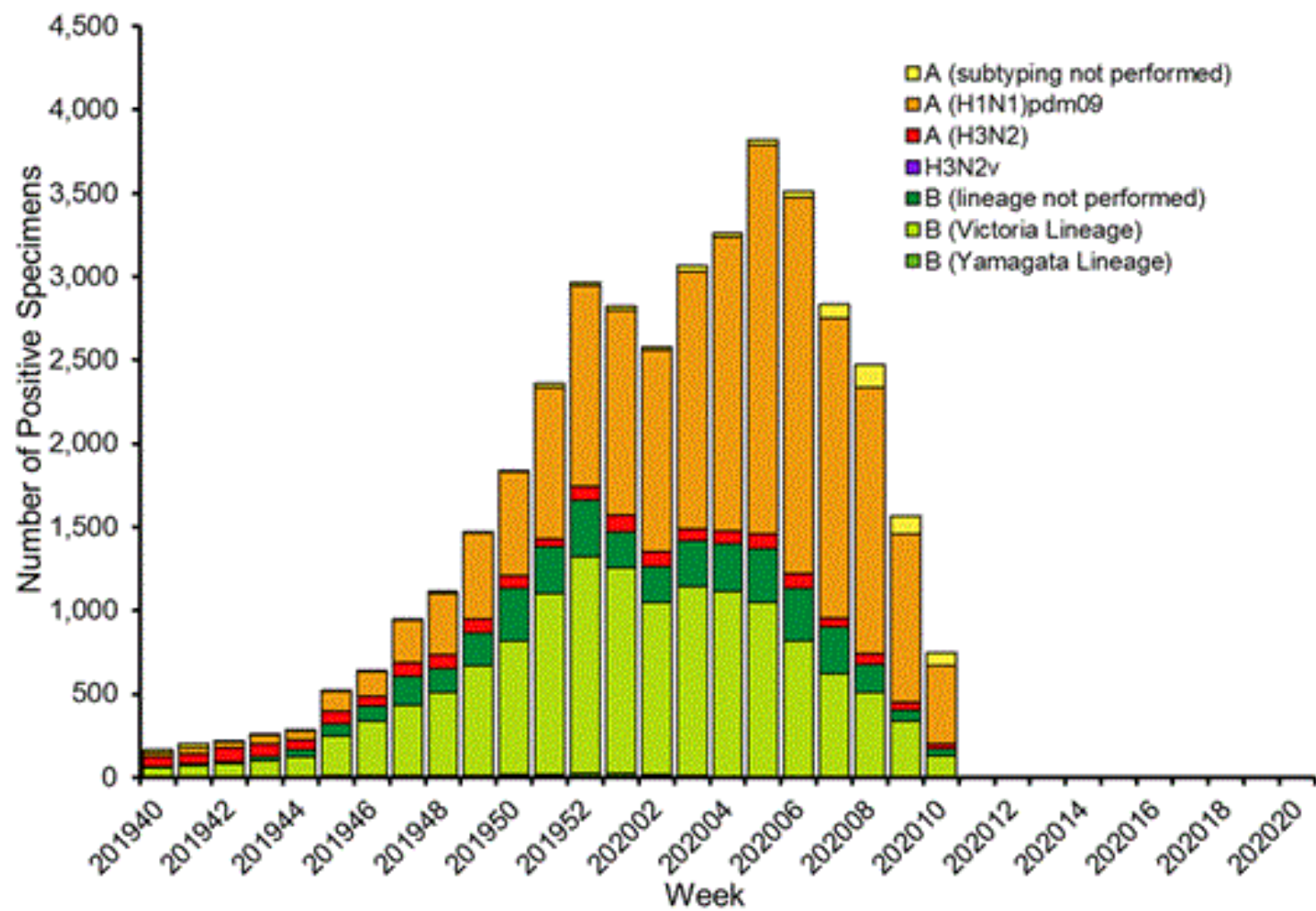


Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2019-2020 and Selected Previous Seasons

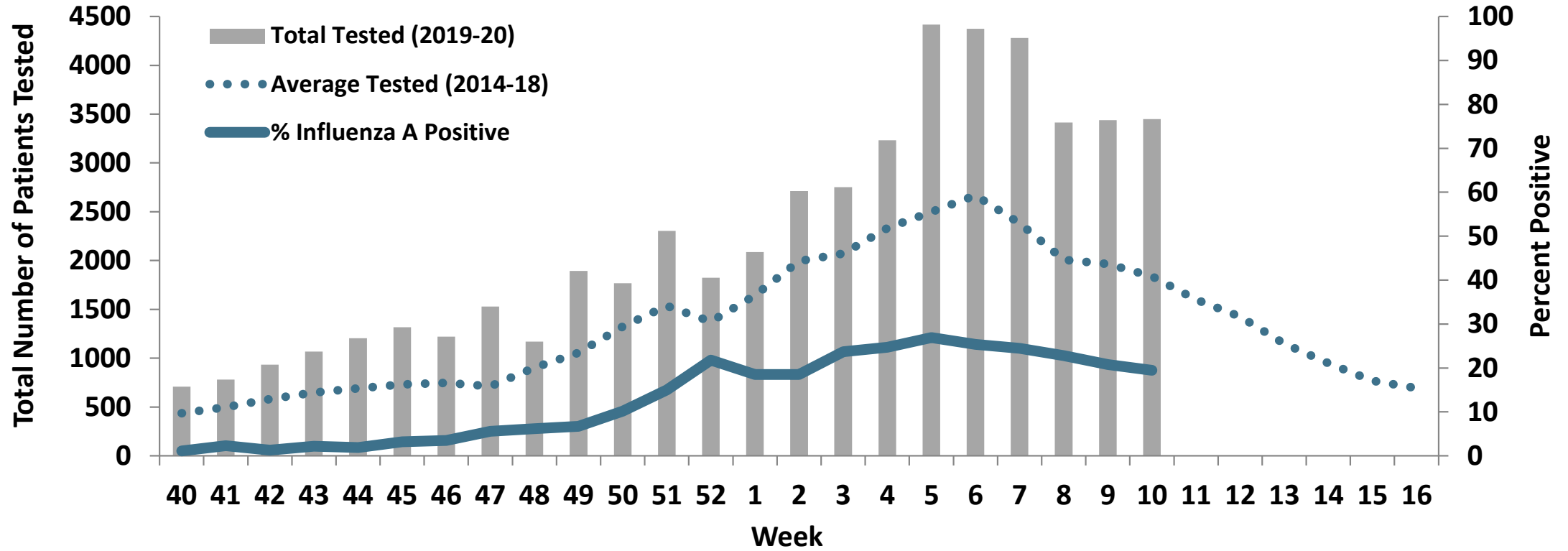




## Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, 2019-2020 Season



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



## Laboratory Respiratory Specimen Testing: Weeks 7 – 10

		Week 7	Week 8	Week 9	Week 10	Season Total
Test Types Among Positive Influenza A Specimens	RAT	826	609	572	493	5989
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	Negative	5764	4774	4737	5265	85221
	<b>Total</b>	<b>7286</b>	<b>5881</b>	<b>5742</b>	<b>6179</b>	<b>102513</b>

**Number of Positive Influenza A Specimens by Duty Status and Public Health Command**

Region	Week 3		Week 4		Week 5		Week 6		Week 7		Week 8		Week 9		Week 10	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
PHC-A	49	189	64	245	201	408	199	369	145	412	97	228	74	176	89	208
PHC-C	73	232	85	282	102	352	122	340	88	335	77	312	84	300	93	232
PHC-E	9	14	9	8	16	23	6	17	8	16	4	10	8	12	1	4
PHC-P	49	38	51	55	32	55	16	41	7	39	14	35	17	45	13	33
CENTCOM	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-