

U.S. Army Public Health Center

Army Influenza Activity Report

Week ending 04 April 2020 (week 14)

Influenza Vaccination Coverage*

As of 8 April 2020

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

*Data Source: MEDPROS, ASIMS, MRRS

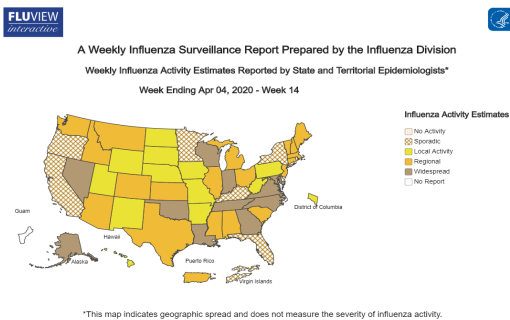
SUMMARY

During week 14, 2,837 specimens were submitted for testing, which represents a 42% decrease from week 13. Influenza A represented the majority (39%) of positive specimens submitted for testing. Public Health Command (RHC)-C accounted for the greatest number of positive influenza A specimens (n=6). Eighty-six percent of positive influenza A specimens were from non-AD beneficiaries. Beneficiaries younger than 18 years old comprised the majority (n=9) of total positive respiratory specimens and was followed by individuals 18 to 29 years of age (n=5). 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

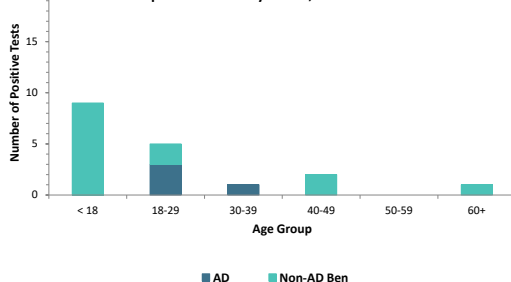
Click to enlarge image



In week 14, widespread activity was reported in 11 states. Regional activity was reported in Puerto Rico and 19 states. Local activity was reported in the District of Columbia and 12 states. Sporadic activity was reported in the U.S. Virgin Islands and seven states. Guam did not report.

DEMOGRAPHICS

Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 14

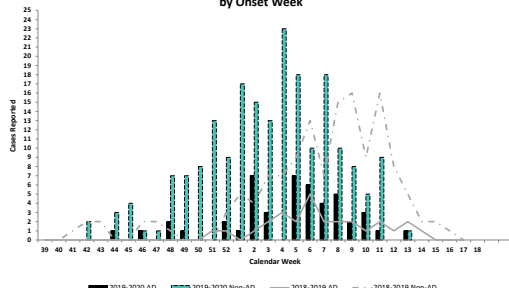


AD: In week 14, 4 positive respiratory specimens from Active Duty (AD) Service Members (SM) were submitted. All but one of the positive specimens were among individuals 18 to 29 years of age (n=3, 75%); the other specimen was an individual in the 30 to 39 age group.

Non-AD: The majority of positive respiratory specimens (n=9) among non-Active Duty beneficiaries were collected from individuals younger than 18 years of age (64%).

INFLUENZA-ASSOCIATED HOSPITALIZATIONS

Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week



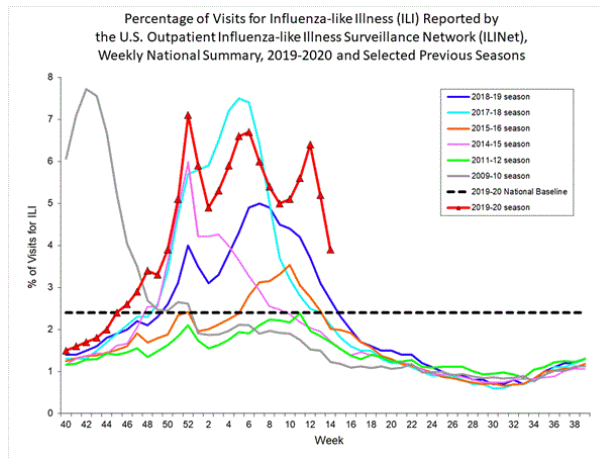
So far this season, 249 hospitalizations have been reported to the DRSi; this is 52% more than the 164 hospitalizations reported last season during the same period. As of 9 April, there were no influenza-associated hospitalizations with onset dates in week 14 reported to the DRSi. During week 14 of the 2018-2019 influenza season, 3 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

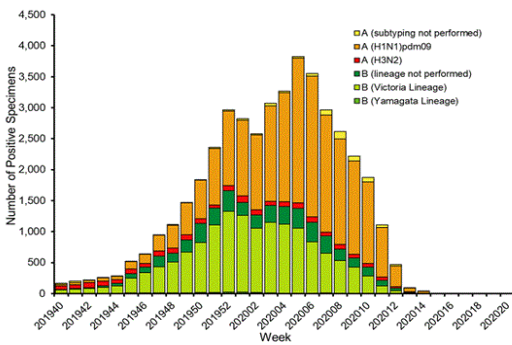
ILI ACTIVITY - UNITED STATES



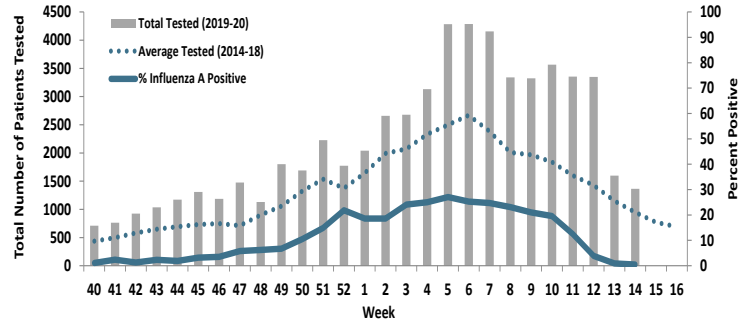
Nationwide in week 14, 3.9% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network were due to influenza-like illness. This is above the national baseline of 2.4%. Regionally, the percentage of outpatient visits for ILI ranged from 2.4% to 10.0%.

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, 356 specimens were submitted to CDC in week 14, of which 10% (n=35) were positive. Influenza A accounted for 89% (n=31) of the total positive specimens submitted to the CDC in week 14, while influenza B accounted for 11% (n=4). In the Army population, 0.5% of 1,363 specimens tested for influenza A were positive.

		Week 11	Week 12	Week 13	Week 14	Season Total
Test Types Among Positive Influenza A Specimens	RAT	341	103	8	7	6236
	Culture	4	0	0	0	161
	PCR	73	26	6	0	3259
Army MTF Laboratory Results, 2019-20	Influenza A	418	129	14	7	9656
	Influenza B	154	102	20	2	6054
	Adenovirus	5	2	6	4	258
	Enterovirus	0	0	0	0	7
	Parainfluenza	2	1	4	1	226
	RSV	26	7	10	4	1701
	Negative	5113	5395	4867	2819	101635
	Total	5718	5636	4921	2837	119537

In week 14, 2,837 respiratory specimens were tested, and 0.6% (n=18) were positive for any type of respiratory illness. Influenza A accounted for the majority of positive results in week 14 (39%, n=7); RSV and adenovirus each accounted for 22% (n=4); influenza B accounted for 11% (n=2); and parainfluenza accounted for 6% (n=1).

Rapid antigen tests (RATs) represented 100% of positive influenza A tests.

Locations providing week 14 laboratory data as of 8 April 2020: Ft. Belvoir, Ft. Bragg, Ft. Campbell, Ft. Carson, Ft. Eustis, Ft. Gordon, Ft. Hood, Ft. Irwin, Ft. Jackson, Ft. Leavenworth, Ft. Leonard Wood, Ft. Polk, Ft. Riley, Ft. Rucker, Ft. Sam Houston, Ft. Sill, Ft. Stewart, Ft. Wainwright, Redstone Arsenal, 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	199	0	22.1	200	0	4.2	201	2	6.5
	Ft. Bragg	23	0	31.7			100			
	Ft. Campbell	128	0	11	128	0	0			100
	Ft. Eustis	4	25	20.8			100			
	Ft. Gordon	6	0	16.2	6	0	0			100
	Ft. Jackson	64	0	0	64	0	20.8			
	Ft. Rucker	6	0	33.3	6	0	0			
	Ft. Stewart	61	0	3.7	63	0	4.5			
	Redstone Arsenal	2	0	0	2	0	0			
	U.S. Military Academy	21	0	44.4			0			100
RHCC	Ft. Carson	194	3.1	11.2			100			
	Ft. Hood			7.2			2.4			5
	Ft. Irwin	23	0	31.4	23	4.3	2.8			
	Ft. Leavenworth	6	0	26.8	6	0	2.3			
	Ft. Leonard Wood			31.7			0			
	Ft. Polk	50	0	17.9			100			
	Ft. Riley	34	0	0	35	0	6.8			
	Ft. Sam Houston	266	0	11.2	172	0	1.7			100
	Ft. Sill	142	0	15.4	1	100	100			
RHCP	Ft. Wainwright	15	0	6.3	15	0	21.2			
	Tripler Army Medical Center	118	0	19	118	0	3.4	6	0	3.4
Region	Installation	Enterovirus			Parainfluenza			RSV		
		No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.
RHCA	Ft. Belvoir				202	0.5	4.5	200	0.5	2.1
	Ft. Campbell						100			100
	Ft. Gordon						100			100
	Ft. Stewart							2	0	28.6
	U.S. Military Academy						100			
RHCC	Ft. Carson							6	0	13.8
	Ft. Hood						13.6			5.1
	Ft. Leavenworth									7.1
	Ft. Leonard Wood						100			
	Ft. Polk							1	0	0
	Ft. Riley							16	12.5	0
	Ft. Sam Houston						100			
	Ft. Sill									0
RHCP	Ft. Wainwright							12	8.3	3.3
	Tripler Army Medical Center	6	0	0	6	0	5			100

No.: Number of specimens tested during MMWR week 14 2020.

% Pos.: Percentage of positive specimens reported during MMWR week 14 2020.

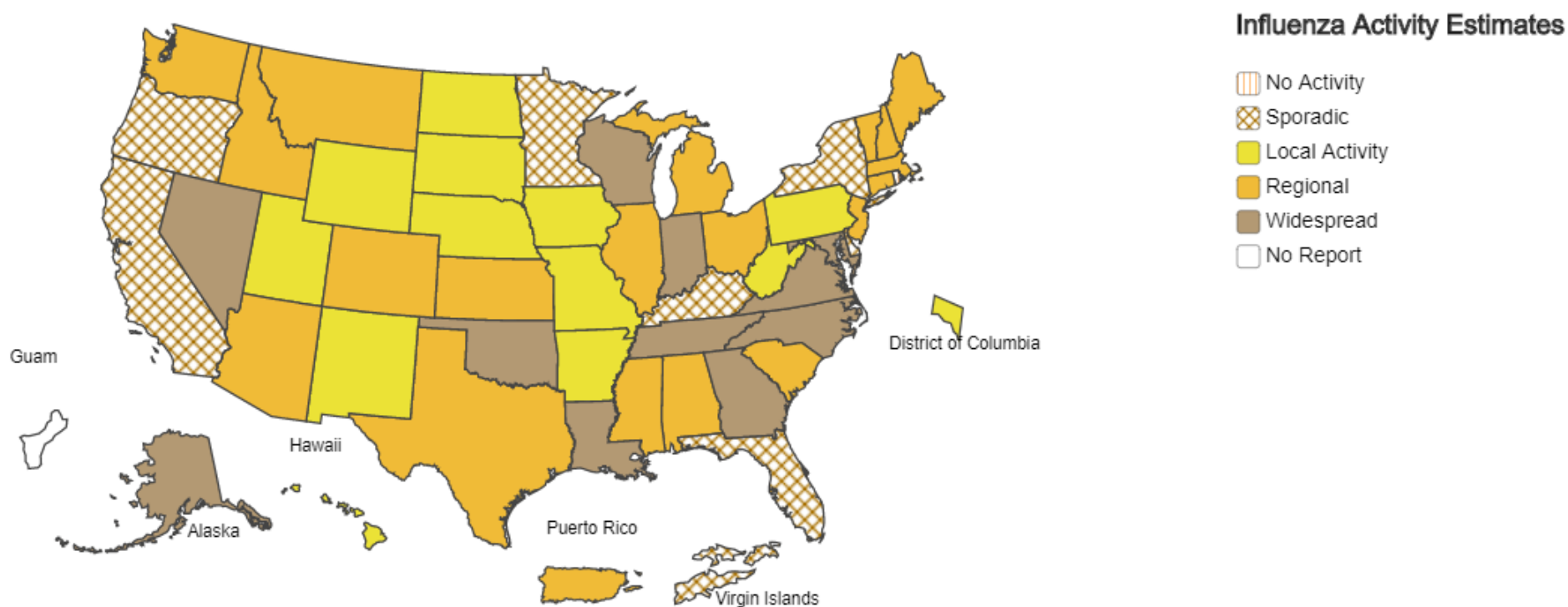
Baseline % Pos.: Percentage of positive specimens reported in MMWR week 14 during influenza seasons from September 2012 - May 2019.

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

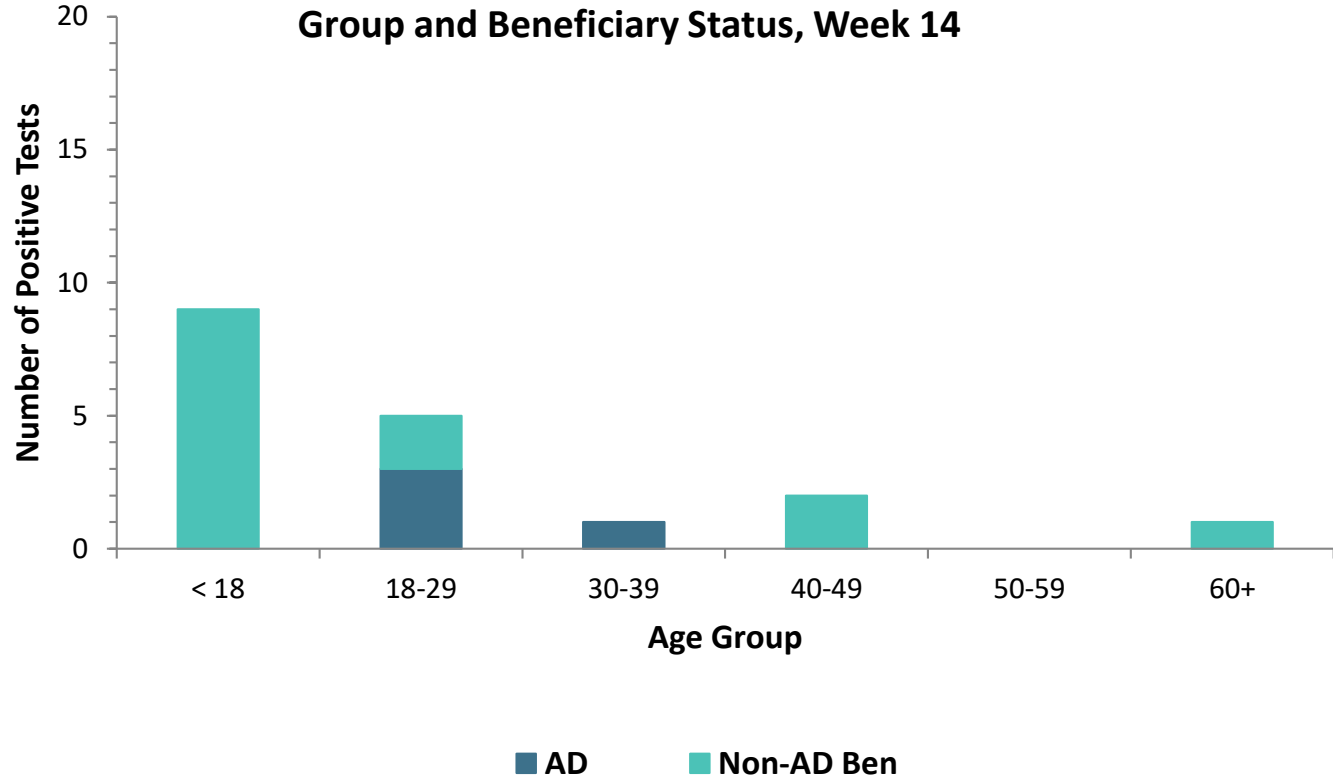
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*

Week Ending Apr 04, 2020 - Week 14



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

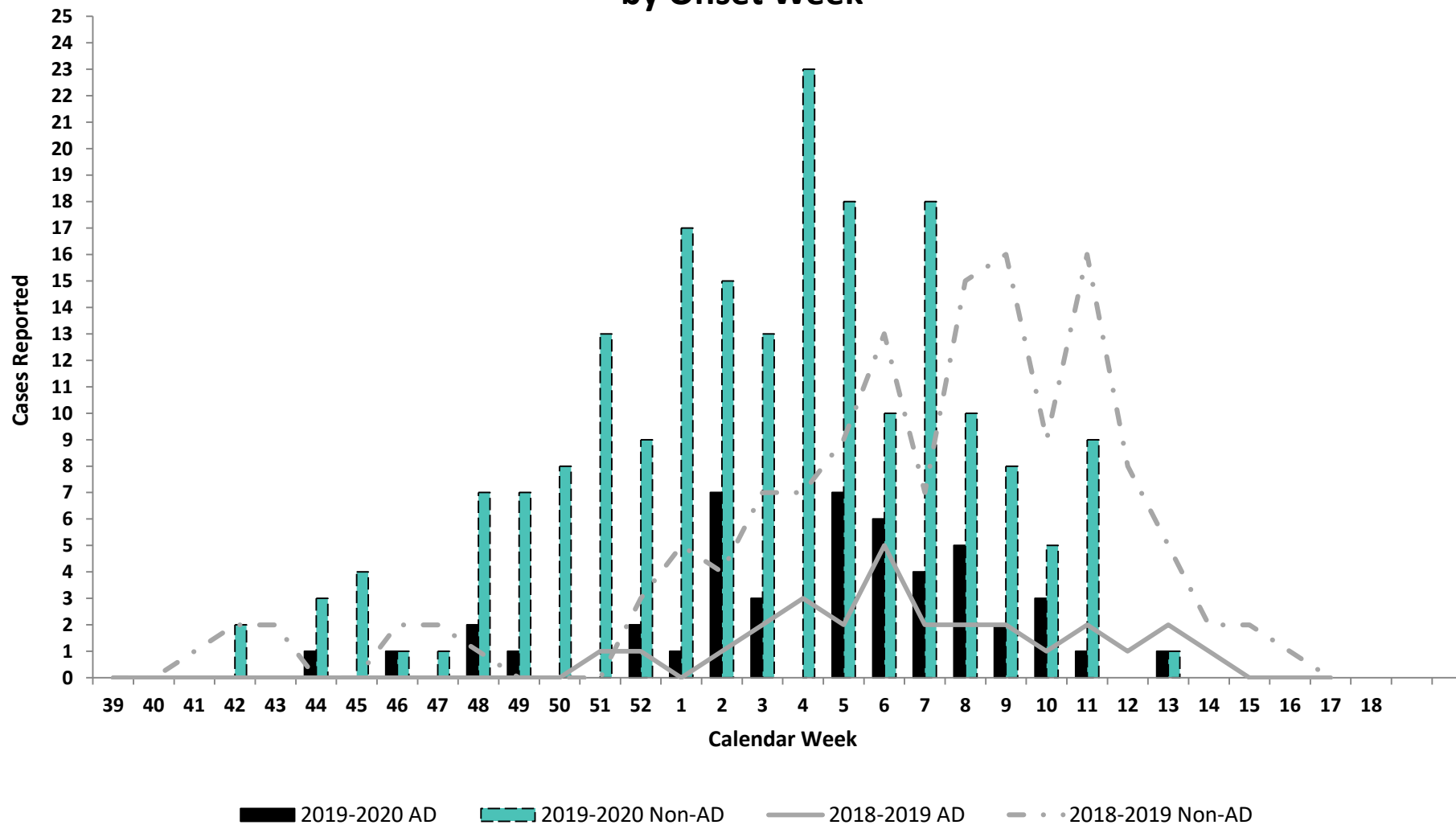
Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 14



Week 14			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	9	9669
18-29	3	2	2931
30-39	1	0	2208
40-49	0	2	1284
50-59	0	0	951
60+	0	1	859
Total	4	14	17902

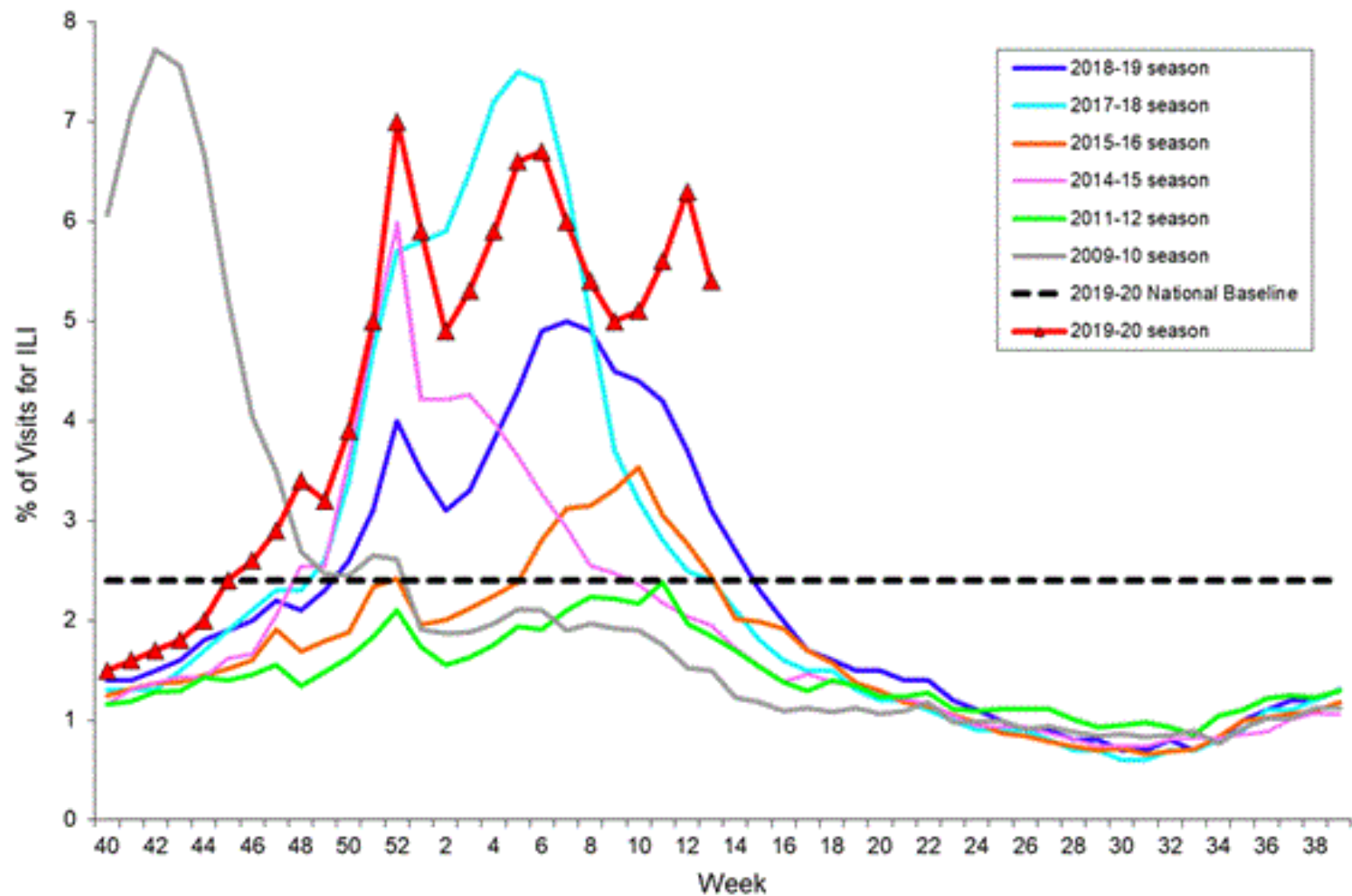


Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week

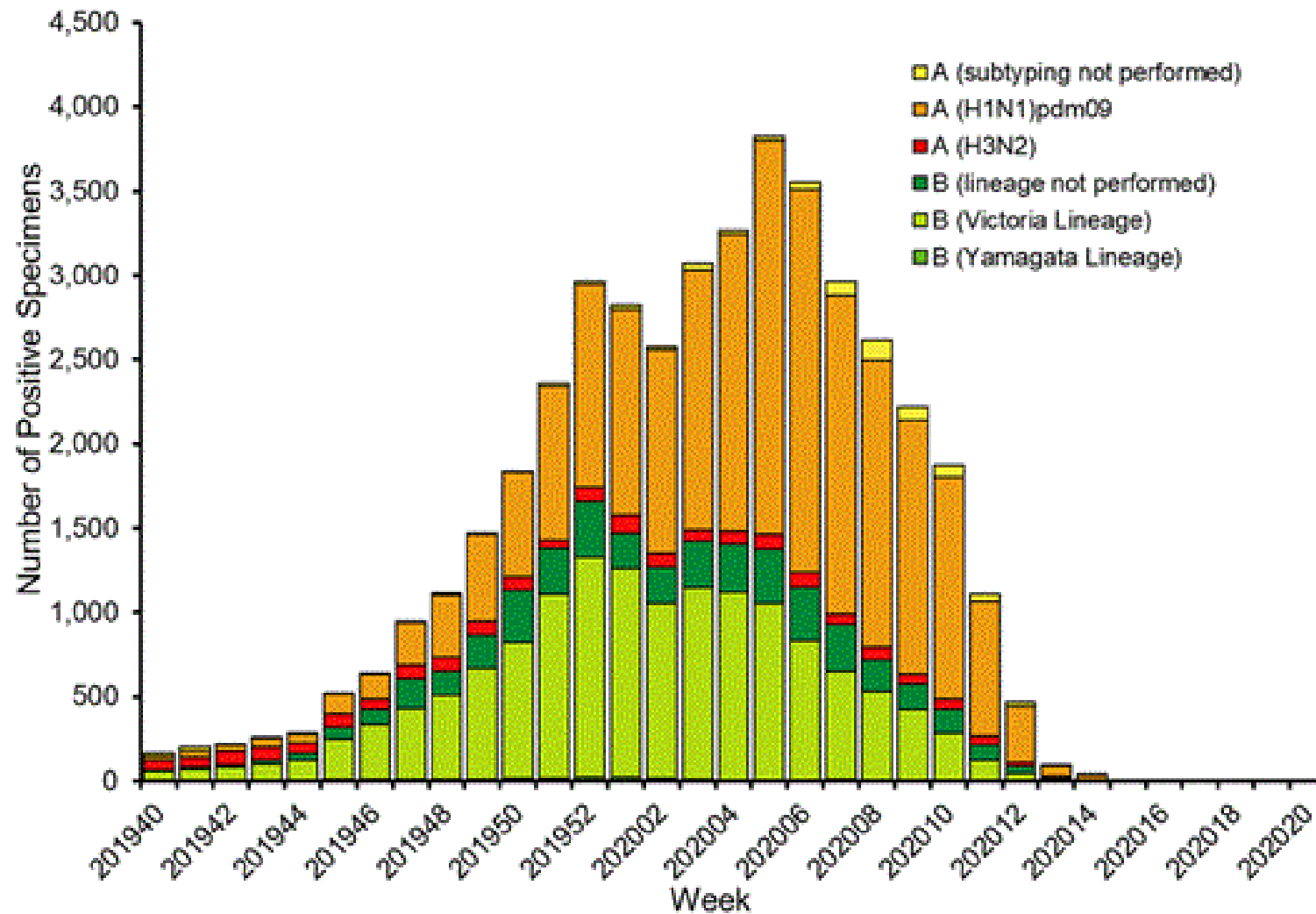


Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65.
Data as of 9 April 2020.

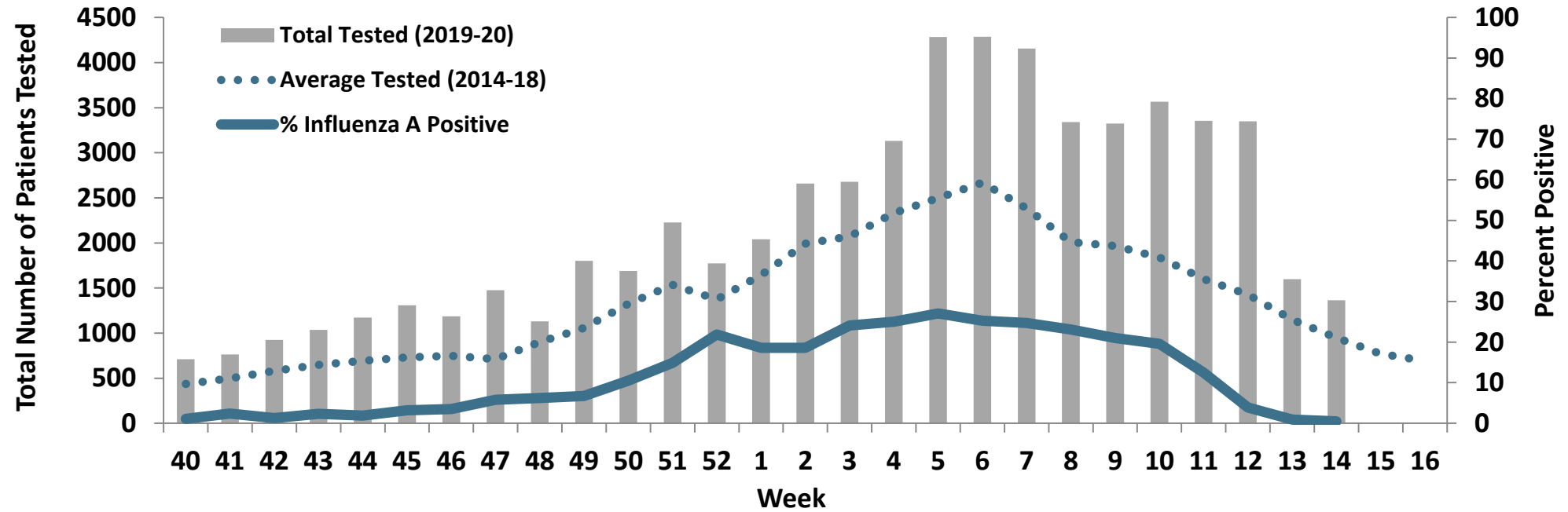
Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2019-2020 and Selected Previous Seasons



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



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