

U.S. Army Public Health Center

Army Influenza Activity Report

Week ending 21 March 2020 (week 12)

Influenza Vaccination Coverage*

As of 25 March 2020

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

*Data Source: MEDPROS, ASIMS, MRRS

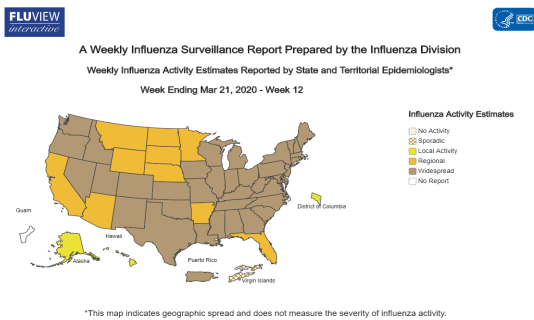
SUMMARY

During week 12, there were 5,787 specimens submitted for testing, which represents a 4% decrease from week 11. Influenza A represented the majority (55%) of positive specimens submitted for testing. At 5%, PHC-A had the highest percent-positive value for specimens tested for influenza A compared to other regions. Additionally, PHC-A accounted for the greatest number of positive influenza A specimens (n=66). Fifty-nine percent of positive influenza A specimens were from non-AD beneficiaries. Beneficiaries younger than 18 years old comprised the majority (n=96) of total positive respiratory specimens, and was followed by individuals 18 to 29 years of age (n=55). Ten influenza-associated hospitalizations were reported in week 12.

Results in this report should be interpreted with caution as laboratory data from PHC-E were unavailable.

GEOGRAPHIC SPREAD

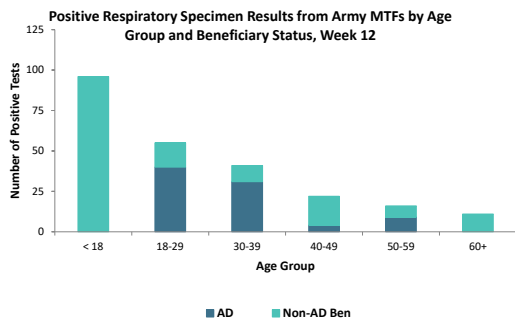
Click to enlarge image



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

In week 12, widespread activity was reported in Puerto Rico and 38 states. Regional activity was reported in 10 states. Local activity was reported in the District of Columbia, Alaska, and Hawaii. Sporadic activity was reported in the U.S. Virgin Islands, and Guam did not report.

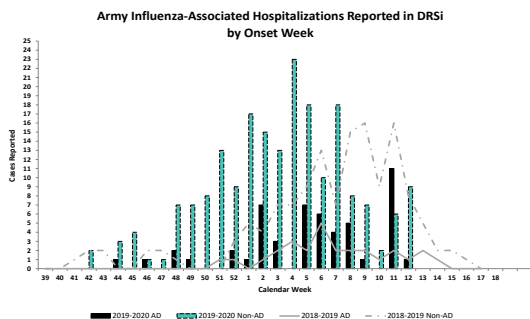
DEMOGRAPHICS



AD: In week 12, 40 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=40, 48%) and was followed by those 30 to 39 years of age (n=31, 37%).

Non-AD: The majority of positive respiratory specimens among non-Active Duty beneficiaries were collected from individuals younger than 18 years of age (n=96, 61%).

INFLUENZA-ASSOCIATED HOSPITALIZATIONS



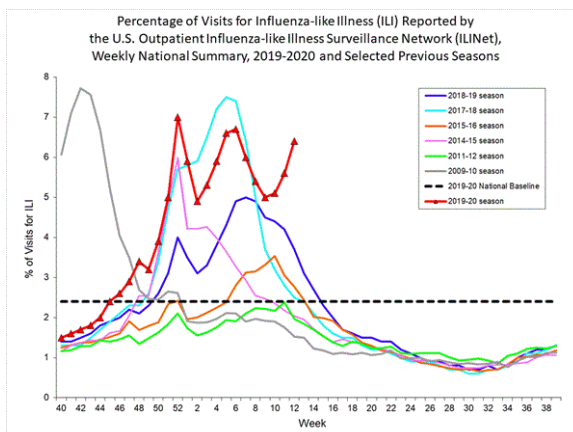
So far this season, 254 hospitalizations have been reported to the DRSi; this is 65% more than the 154 hospitalizations reported last season during the same period. As of 26 March, 10 influenza-associated hospitalizations with onset dates in week 12 were reported to the DRSi. During week 12 of the 2018-2019 influenza season, 9 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

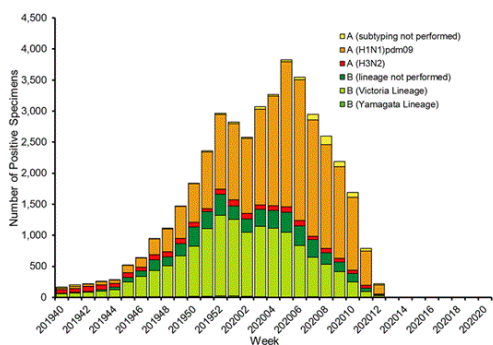
ILI ACTIVITY - UNITED STATES



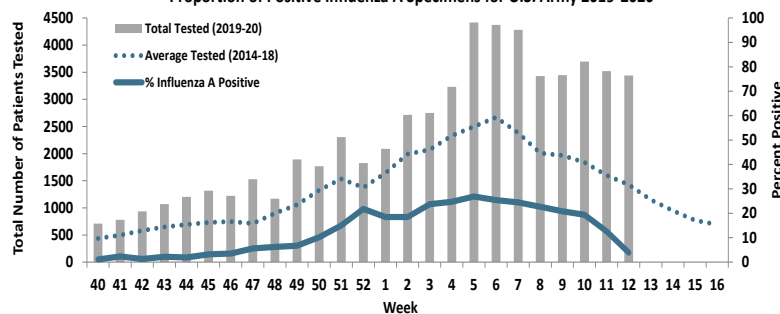
Nationwide in week 12, 6.4% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network were due to influenza-like illness. This is above the national baseline of 2.4%. Regionally, the percentage of outpatient visits for ILI ranged from 4.7% to 11.8%. All regions reported a percentage of outpatient visits for ILI above their region-specific baselines, and eight out of 10 regions 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, 2,139 specimens were submitted to CDC in week 12, of which 10% (n=219) were positive. Influenza A accounted for 82.6% (n=181) of the total positive specimens submitted to the CDC in week 12, while influenza B accounted for 17.4% (n=38). In the Army population, 3.9% of 3,440 specimens tested for influenza A were positive, which is below the historical average (2013-2014 season - 2018-2019 season) of 13.6% for week 12.

		Week 9	Week 10	Week 11	Week 12	Season Total
Test Types Among Positive Influenza A Specimens	RAT	572	499	368	107	6465
	Culture	3	5	4	0	159
	PCR	141	214	73	26	3253
Army MTF Laboratory Results, 2019-20	Influenza A	716	718	445	133	9877
	Influenza B	241	209	168	103	6257
	Adenovirus	2	17	5	0	246
	Enterovirus	0	0	0	0	7
	Parainfluenza	1	2	2	0	220
	RSV	48	43	26	5	1685
	Negative	4794	5999	5397	5546	96998
	Total	5802	6988	6043	5787	115290

In week 12, 5,787 respiratory specimens were tested and 4.2% (n=241) were positive for any type of respiratory illness. Influenza A accounted for the majority of positive results in week 12 (55.2%, n=133); influenza B accounted for 42.7% (n=103); and RSV accounted for 2.1% (n=5).

Rapid antigen tests (RATs) represented 80% of positive influenza A tests, and polymerase chain reaction (PCR) tests represented 20% of positive influenza A tests.

Locations providing week 12 laboratory data as of 26 March 2020: Ft. Belvoir, Ft. Benning, Ft. Bliss, Ft. Bragg, Ft. Campbell, Ft. Carson, Ft. Eustis, Ft. Gordon, 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, 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
PHCA	Ft. Belvoir	12	8.3	25.8			6.7			12.5
	Ft. Benning	242	2.1	9	244	2.9	0.9			
	Ft. Bragg	371	5.7	32.6			100			
	Ft. Campbell	290	4.5	16.5	290	8.6	0			100
	Ft. Drum			33.3			100			
	Ft. Eustis	35	8.6	36.5	2	100	100			
	Ft. Gordon	95	4.2	17.8	96	3.1	0			100
	Ft. Jackson	115	3.5	12.9	115	0.9	0			
	Ft. Knox			18.9			0			
	Ft. Lee	91	7.7	17.2	3	100	100			
	Ft. Meade	25	4	0						
	Ft. Rucker	27	0	50	26	0	0			
	Ft. Stewart	124	4	20.9	124	1.6	0			100
	Redstone Arsenal	10	10	0	9	0	0			
U.S. Military Academy	36	2.8	19	2	0	0			100	
PHCC	Ft. Bliss	279	1.1	27.5	9	22.2	0.5			19.2
	Ft. Carson	185	3.2	21.3			100			
	Ft. Hood			14			1.7			5.6
	Ft. Huachuca	62	0	0	63	7.9	12.5			
	Ft. Irwin	66	3	21.1	66	3	0			
	Ft. Leavenworth	42	7.1	22.5	42	0	0			
	Ft. Leonard Wood	138	5.1	26.3	138	5.8	1.6			
	Ft. Polk	127	7.1	5.6	8	100	100			
	Ft. Riley	82	2.4	13.1	81	3.7	6.6			
	Ft. Sam Houston	441	3.6	29.8	451	1.6	0.3			100
PHCE	Landstuhl Regional Medical Center			18.2			0			11.1
PHCP	Ft. Wainwright	104	3.8	12.9	104	1.9	6.5			
	Korea	113	1.8	28.6	6	0	4	6	0	4
	Tripler Army Medical Center	284	2.1	13.8	284	6	0	38	0	2.1
Region	Installation	Enterovirus			Parainfluenza			RSV		
		No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.	No. Tested	% Positive	Baseline % Pos.
PHCA	Ft. Belvoir						8.2			4.8
	Ft. Campbell						100			100
	Ft. Drum									0
	Ft. Gordon						100			100
	Ft. Stewart						100	21	0	30.8
	U.S. Military Academy						100			
PHCC	Ft. Bliss							15	0	2.9
	Ft. Carson							12	0	7.7
	Ft. Hood						21.7			6.4
	Ft. Leavenworth							1	0	28.6
	Ft. Leonard Wood						100			
	Ft. Polk							4	0	0
	Ft. Riley							29	0	6.7
	Ft. Sam Houston						100			
PHCE	Landstuhl Regional Medical Center						0			6.3
PHCP	Ft. Wainwright							73	6.8	6.7
	Korea			0	6	0	12	6	0	0
	Tripler Army Medical Center	38	0	0	38	0	0			100

No.: Number of specimens tested during MMWR week 12 2020.

% Pos.: Percentage of positive specimens reported during MMWR week 12 2020.

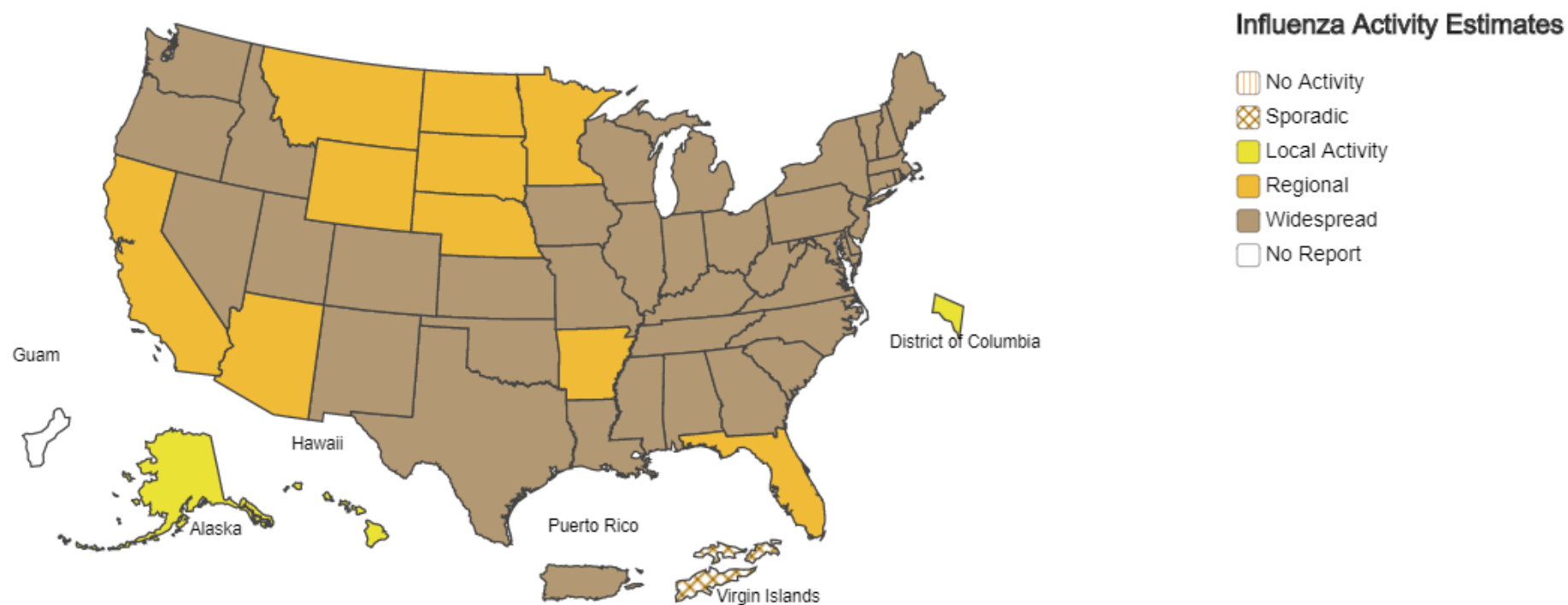
Baseline % Pos.: Percentage of positive specimens reported in MMWR week 12 during influenza seasons from September 2012 - May 2019.

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

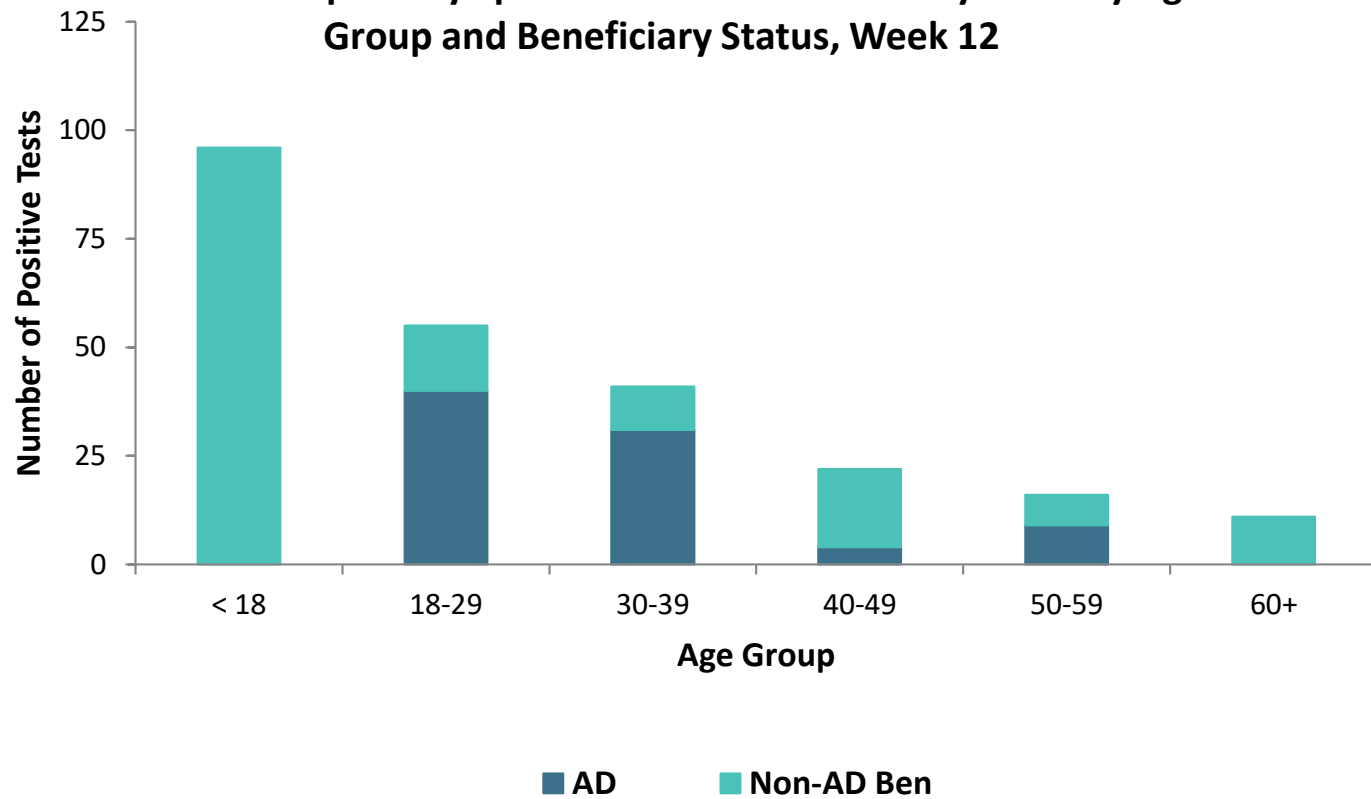
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*

Week Ending Mar 21, 2020 - Week 12



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

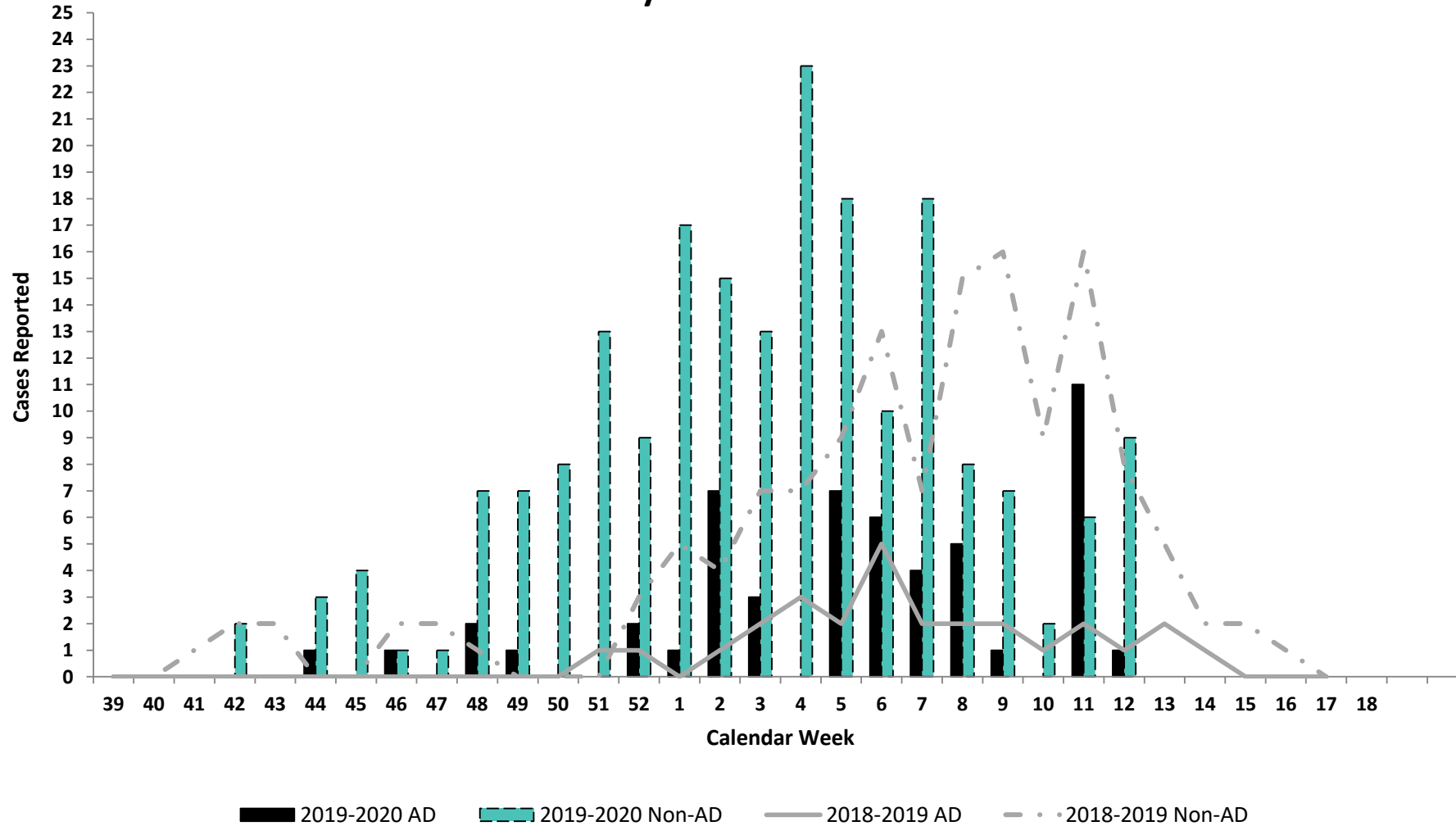
Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 12



Week 12			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	96	9857
18-29	40	15	3008
30-39	31	10	2259
40-49	4	18	1331
50-59	9	7	971
60+	0	11	866
Total	84	157	18292

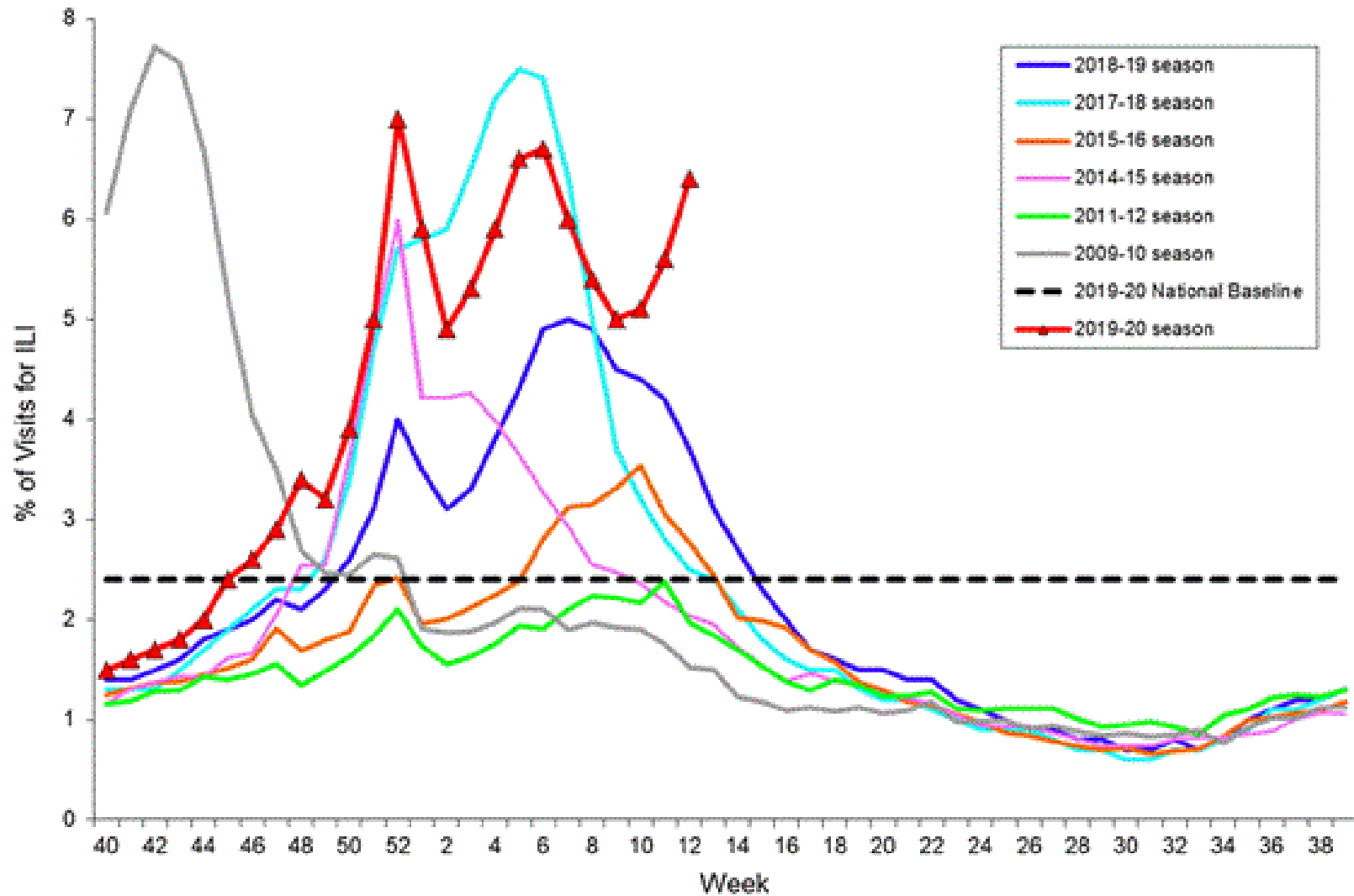


Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week

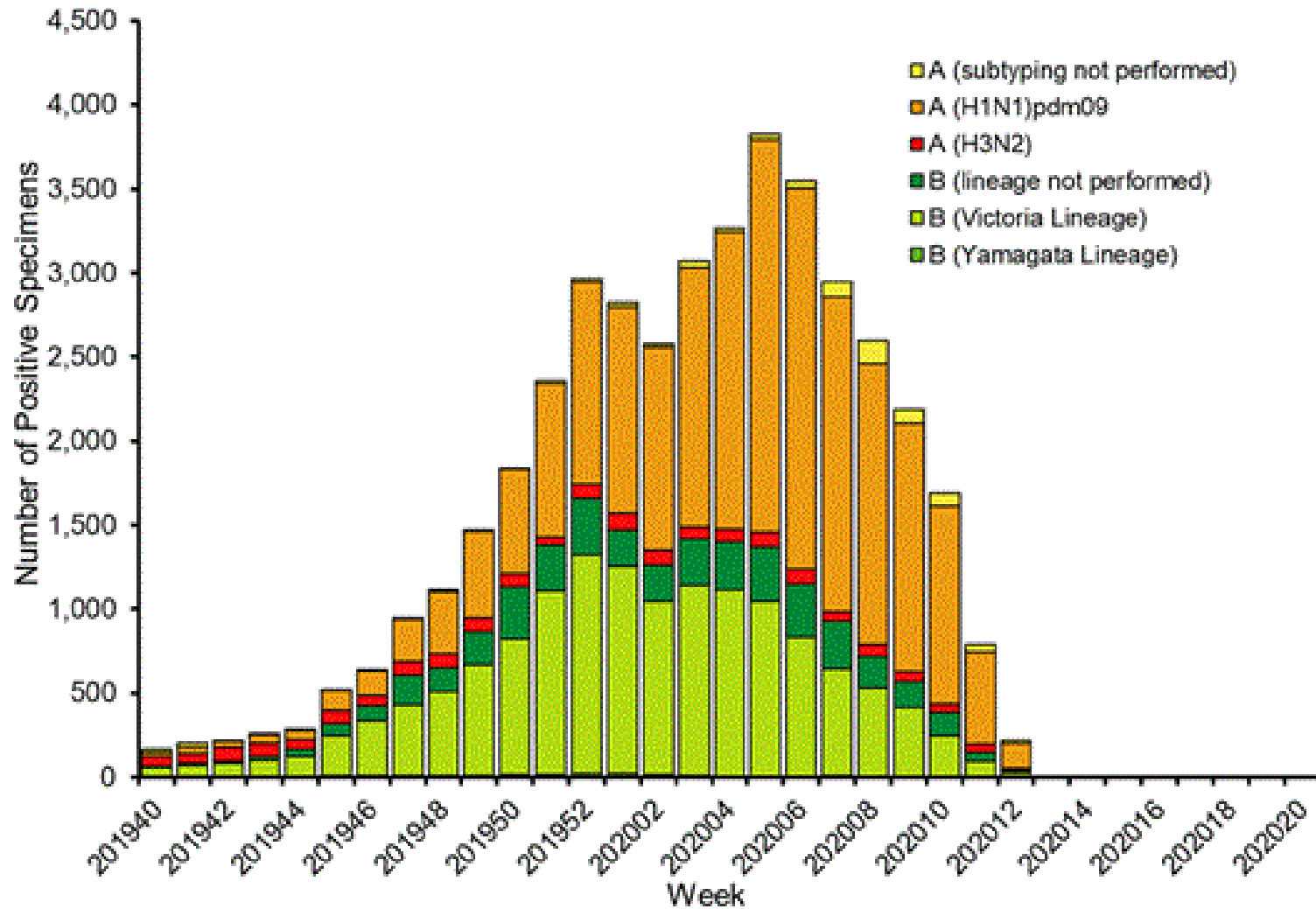


Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65.
Data as of 26 March 2020.

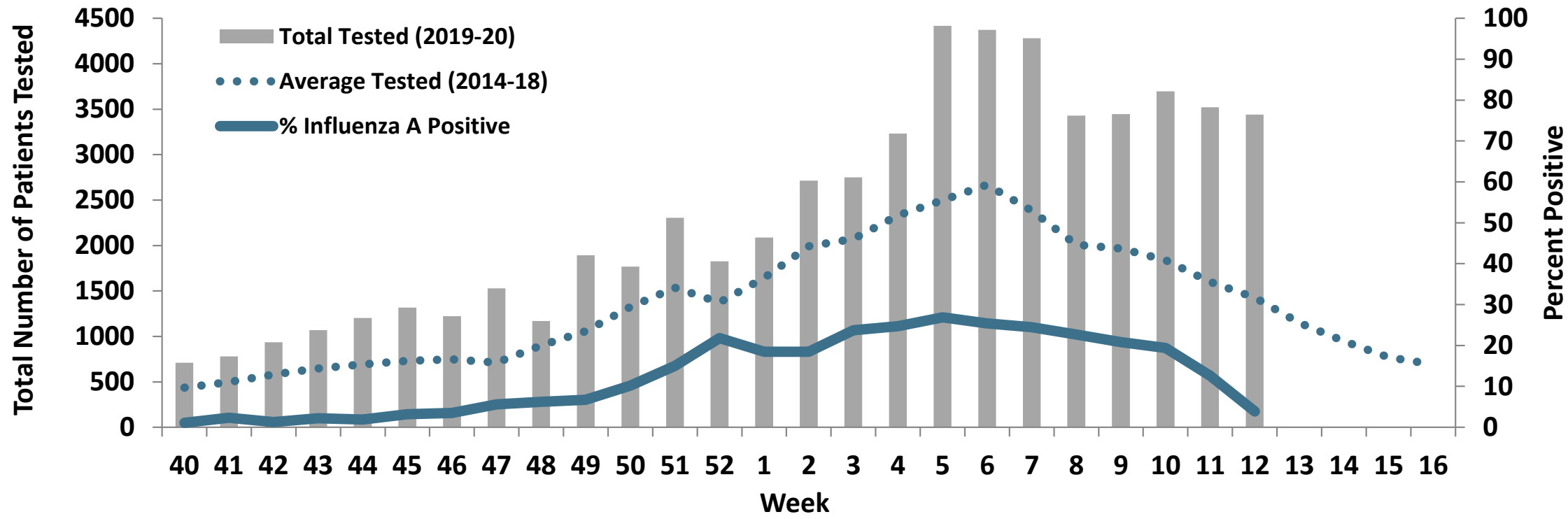
Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2019-2020 and Selected Previous Seasons



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



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