

U.S. Army Public Health Center

Army Influenza Activity Report

Week ending 1 May 2021 (Week 17)

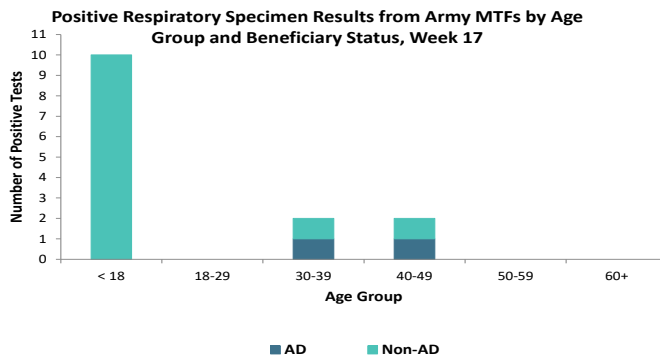
SUMMARY

Influenza activity remains low in the Army population. One positive influenza A specimen and three positive influenza B specimens were reported during surveillance week 17. No hospitalizations were reported in week 17; the season total thus far is four compared to 250 influenza-associated hospitalizations reported as of this time last season. Seventy-one percent of specimens that tested positive for select respiratory illnesses were collected from individuals younger than 18 during surveillance week 17. Nationwide, influenza activity is low with 0.1% of specimens tested by clinical laboratories being positive for influenza A or B.

GEOGRAPHIC SPREAD

Data on the geographical spread of influenza is unavailable this season due to the COVID-19 pandemic. For information from previous seasons and additional information about nationwide influenza surveillance, please visit the Centers for Disease Control and Prevention's website by clicking [here](#).

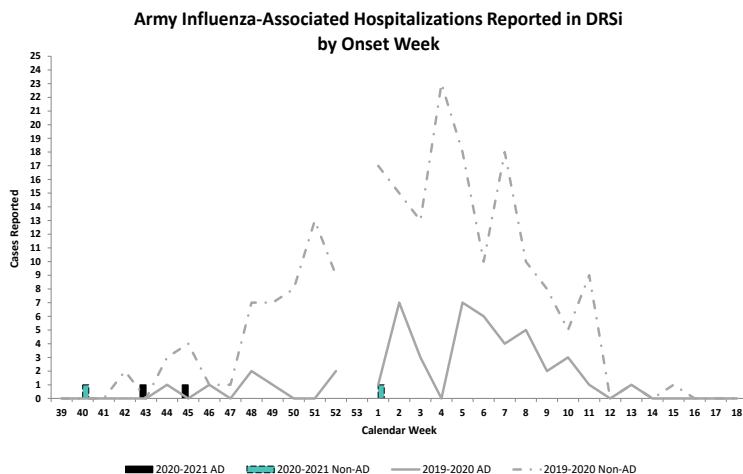
DEMOGRAPHICS



AD: Two positive respiratory specimens were collected from active duty (AD) Service members during week 17; the 30-39 and 40-49 age groups each accounted for 50% (n=1) of the positive specimens.

Non-AD: Twelve positive respiratory specimens were collected from non-AD individuals during week 17; 83.3% (n=10) of the positive specimens were collected from individuals under 18 years of age.

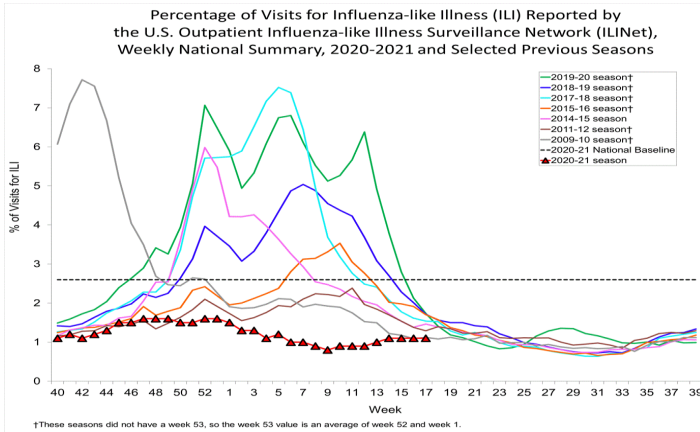
INFLUENZA-ASSOCIATED HOSPITALIZATIONS



No influenza-associated hospitalizations with onset dates in week 17 were reported to the Disease Reporting System internet (DRSi); four hospitalizations have been reported for the entire season thus far. During the 2019-2020 season, no hospitalizations were reported in week 17 (with 250 hospitalizations reported from start of the season through week 17).

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

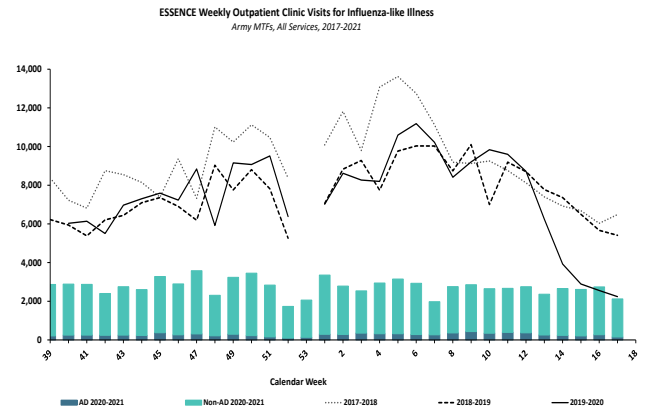
ILI ACTIVITY - UNITED STATES



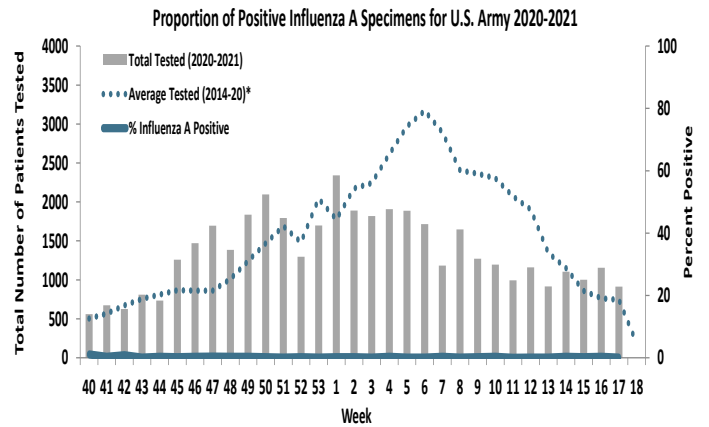
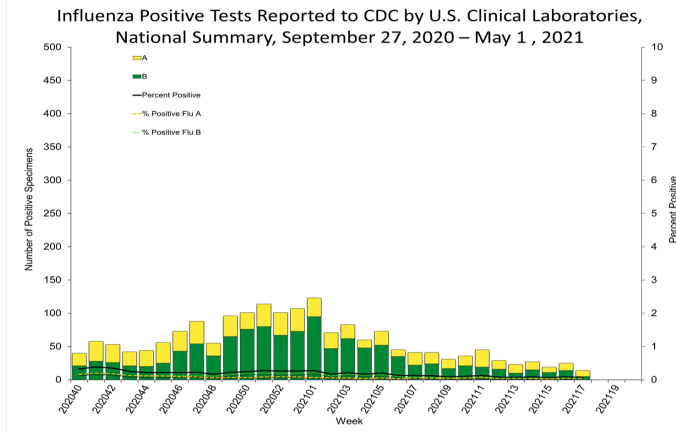
†These seasons did not have a week 53, so the week 53 value is an average of week 52 and week 1.

Nationwide in week 17, incident ILI activity was 1.1%; this is below the national baseline of 2.6%. At Army medical treatment facilities, incident ILI activity decreased by 22.6% from week 16 to week 17. The majority of ILI encounters (92.6%) occurred among non-AD patients in week 17.

ILI ACTIVITY - ARMY



LABORATORY RESPIRATORY SPECIMEN TESTING



Nationwide during week 17, a total of 21,477 specimens were tested for influenza by select clinical laboratories and submitted to the CDC; 14 (0.1%) were positive. Influenza A accounted for 64.3% (n=9) of the total positive specimens. In the Army population, 1 (0.1%) of the 914 specimens tested for influenza A were positive in week 17.

		Week 14	Week 15	Week 16	Week 17	Season Total
Army MTF Laboratory Results, 2020-21	Influenza A	3	2	3	1	95
	Influenza B	1	7	2	3	110
	Adenovirus	5	4	0	3	87
	Enterovirus	5	5	10	1	283
	Parainfluenza	1	1	1	1	17
	RSV	1	1	2	5	55
	Negative	3,042	2,784	3,091	2,603	103,584
	Total	3,058	2,804	3,109	2,617	104,231

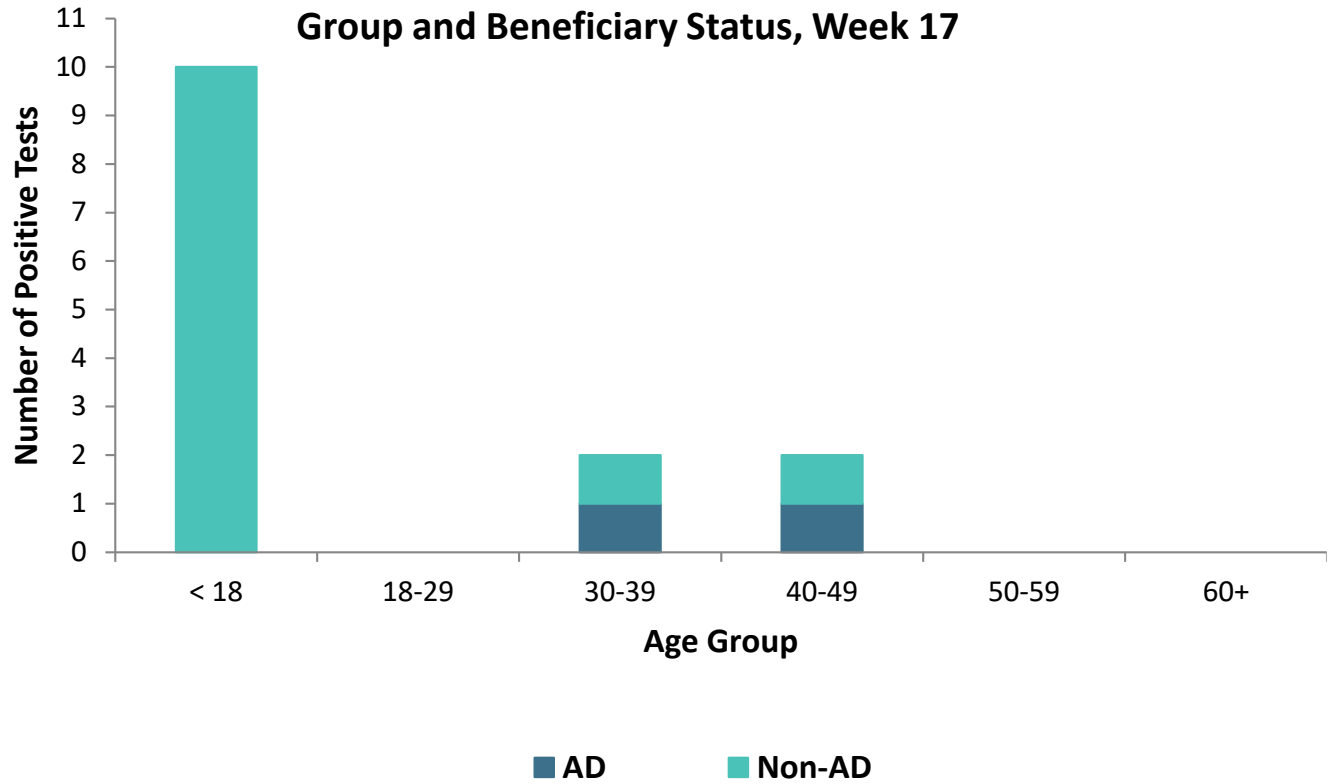
Of the 2,617 specimens tested in week 17, 0.5% (n=14) were positive for any type of respiratory illness. Respiratory syncytial virus accounted for 35.7% (n=5), influenza B and adenovirus each accounted for 21.4% (n=3), and influenza A, enterovirus, and parainfluenza each accounted for 7.1% (n=1) of the positive specimens.

Additionally, the reported number of specimens tested decreased by 15.8% since week 16 (n=3,109).

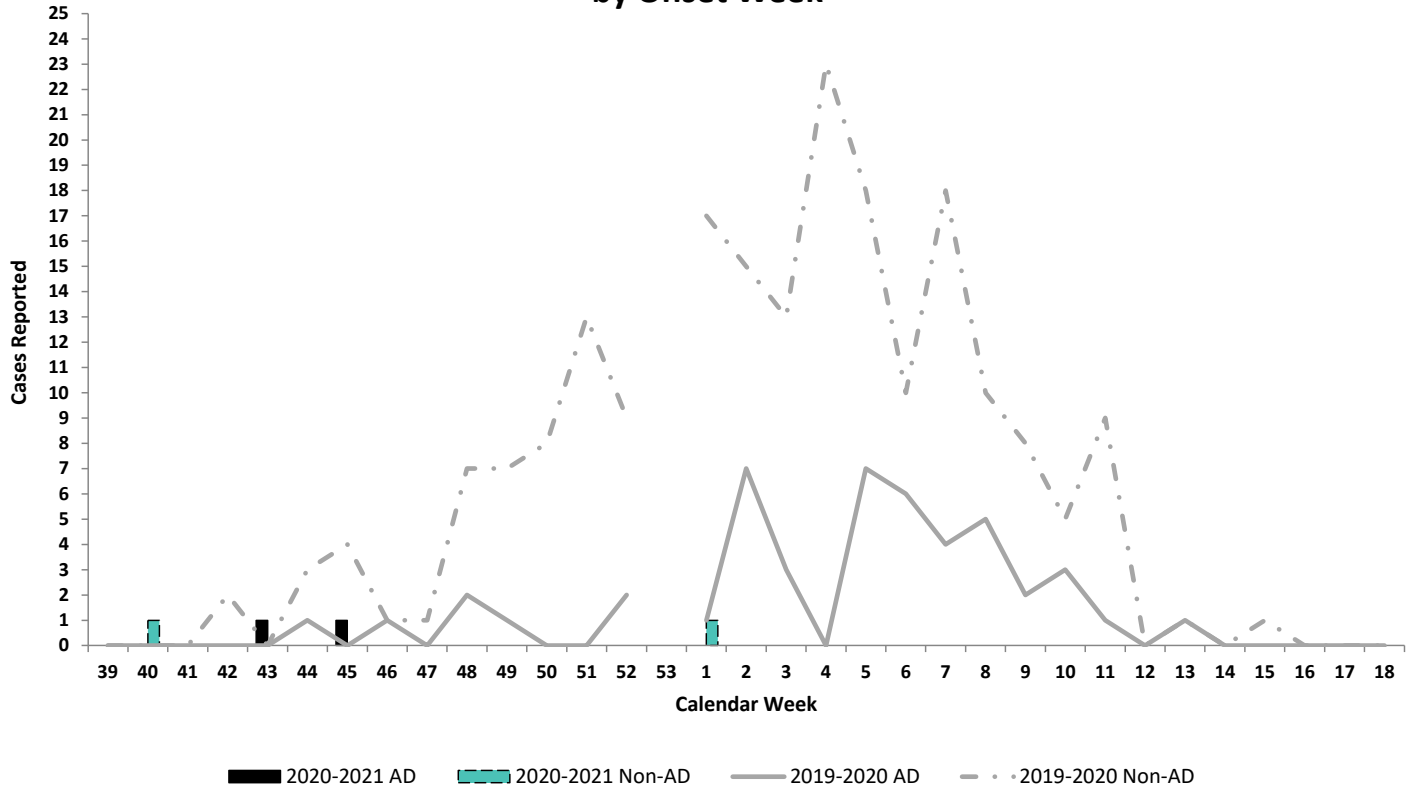
Locations providing week 17 laboratory data as of 05 May 2021: Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Carson, Ft Drum, Ft Eustis, Ft Hood, Ft Jackson, Ft Knox, Ft Leavenworth, Ft Lee, Ft Lewis, Ft Polk, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Korea, Redstone Arsenal, and Tripler Army Medical Center.



Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 17



Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week

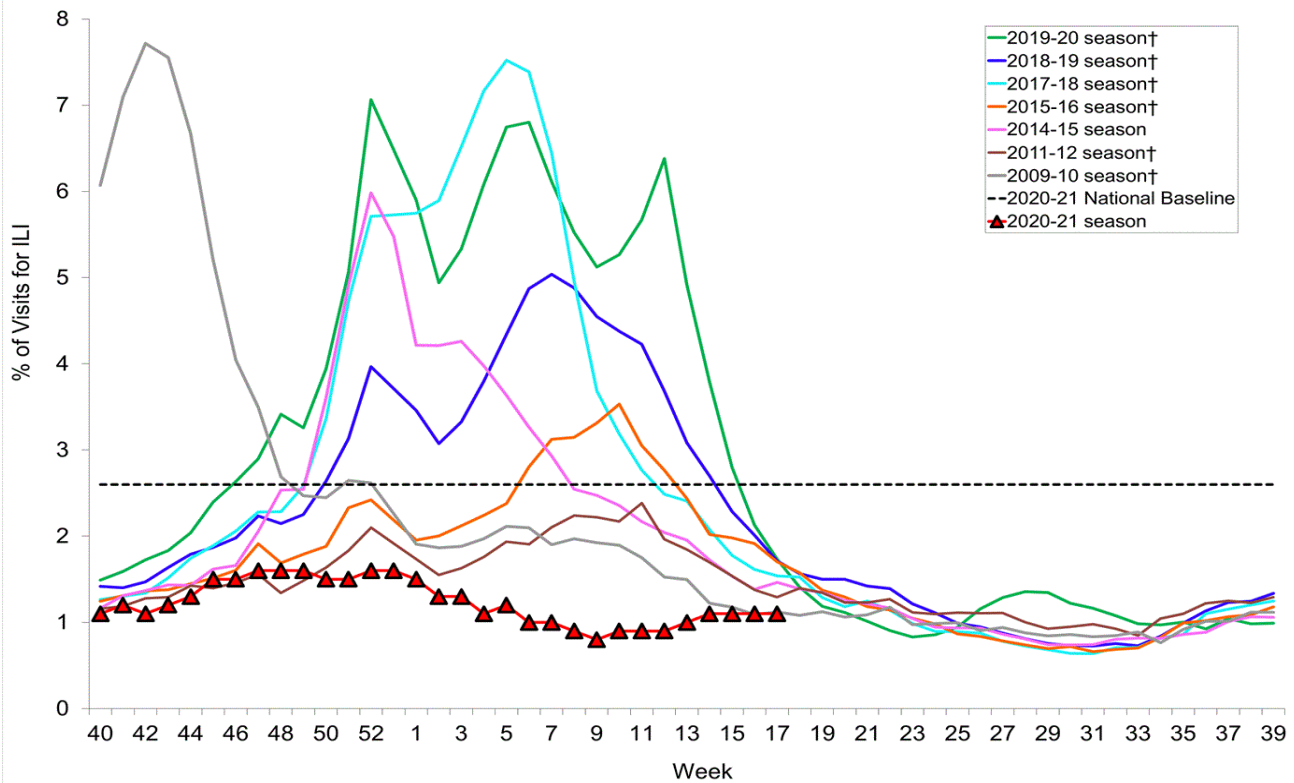


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Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2020-2021 and Selected Previous Seasons

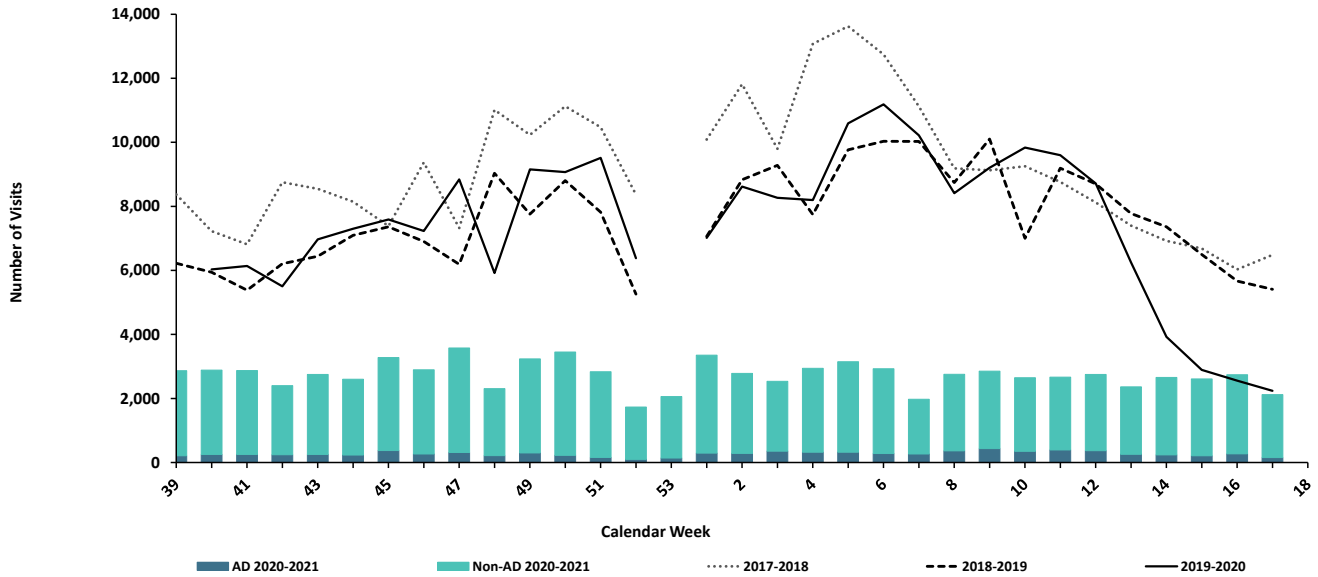


†These seasons did not have a week 53, so the week 53 value is an average of week 52 and week 1.

Source: Centers for Disease Control and Prevention (CDC)



ESSENCE Weekly Outpatient Clinic Visits for Influenza-like Illness
Army MTFs, All Services, 2017-2021

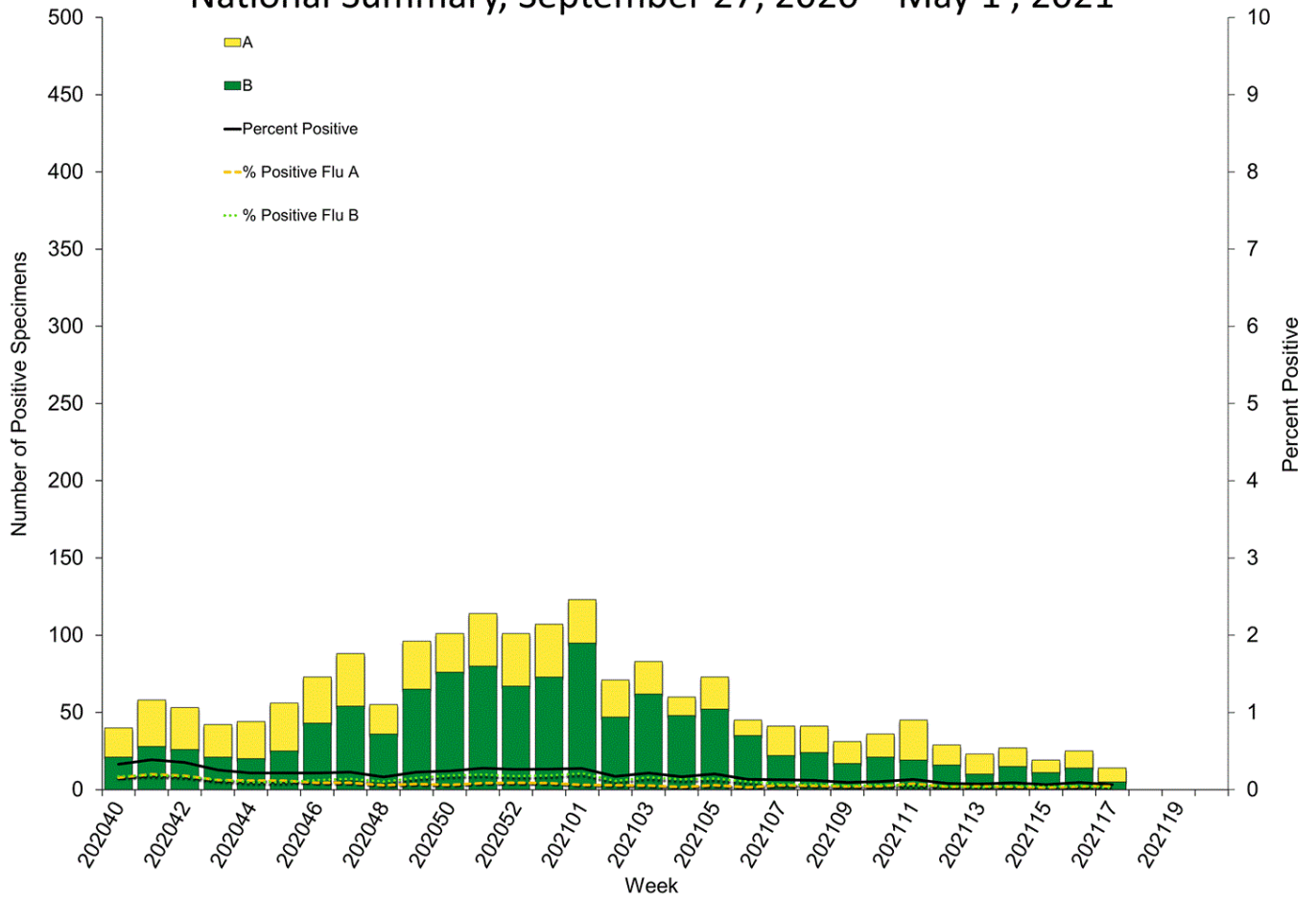


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Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, September 27, 2020 – May 1, 2021



Source: Centers for Disease Control and Prevention (CDC)

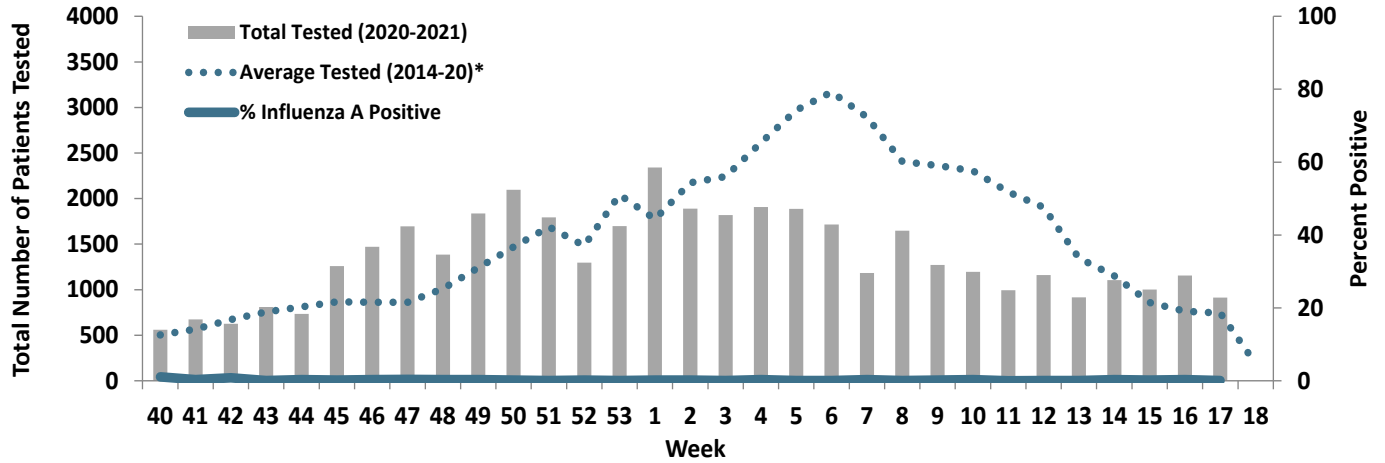


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Proportion of Positive Influenza A Specimens for U.S. Army 2020-2021



*2014/2015 influenza season - 2019/2020 influenza season