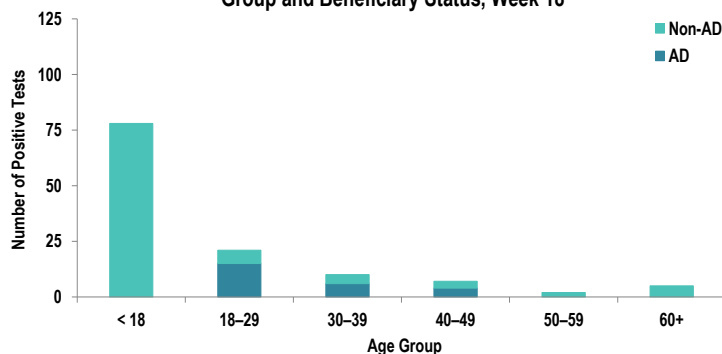


SUMMARY

Influenza A activity is stable in the Army population. Twenty-seven positive influenza A and twenty-two influenza B specimens were reported during surveillance Week 18. No influenza-associated hospitalizations were reported during week 18; the season total thus far is 159 hospitalizations compared to an average of 200 influenza-associated hospitalizations during the same time period during 2017 – 2020. Nationwide, influenza activity remains stable, with 0.9% of specimens tested by clinical laboratories being positive for influenza A or B, according to the Centers for Disease Control and Prevention (CDC).

DEMOGRAPHICS

Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 18



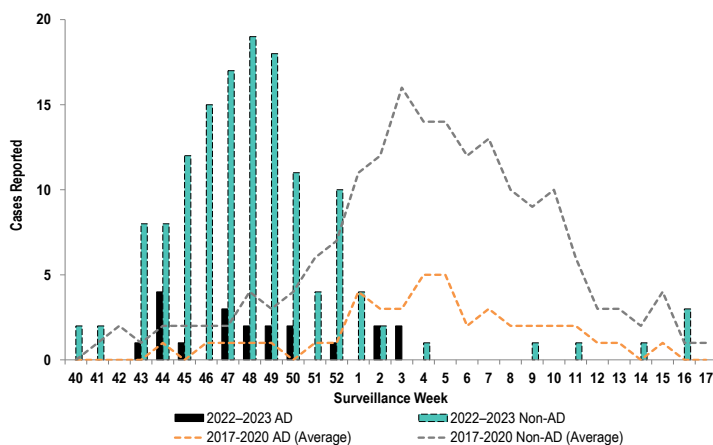
AD: Twenty-five positive respiratory specimens were collected from active duty (AD) Servicemembers (SMs) during Week 18; 60.0% (n=15) of the positive specimens were collected from SMs 18 – 29 years of age.

Non-AD: Ninety-eight respiratory specimens were collected from non-AD individuals during Week 18; 79.6% (n=78) of the positive specimens were collected from individuals under 18 years of age.

The age and beneficiary status of some cases were not available. Therefore, all calculations involving these variables were conducted using only available data. Differences in total results, and age- and beneficiary status-specific results may be noted throughout the report.

INFLUENZA-ASSOCIATED HOSPITALIZATIONS

Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week



No influenza-associated hospitalizations with an onset date in Week 18 were reported to the Disease Reporting System internet (DRSi). The season total thus far is 159 hospitalizations. The Week 18 average during the 2017–2020 seasons was 0 hospitalizations (with an average of 200 hospitalizations reported from the start of the season through Week 18).

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

Data are preliminary and subject to change.

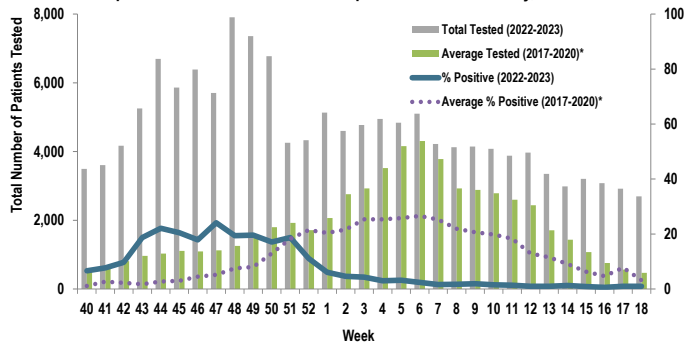
Disclaimer: The mention of any non-federal entity and/or its products is for informational purposes only, and not to be construed or interpreted, in any manner, as federal endorsement of that non-federal entity or its products.

Questions?
Email APHC DEP

INFLUENZA A ACTIVITY - ARMY

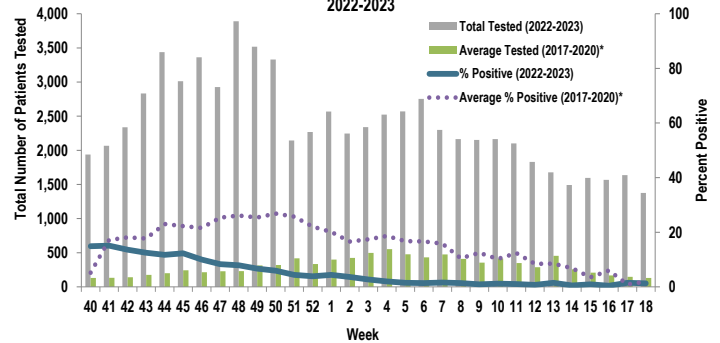
RSV ACTIVITY - ARMY

Proportion of Positive Influenza A Specimens for U.S. Army, 2022-2023



Of the 2,695 specimens tested for influenza A during Week 18, 1.0% (n=27) were positive.

Proportion of Positive Respiratory Syncytial Virus Specimens for U.S. Army, 2022-2023



Of the 1,375 specimens tested for RSV during Week 18, 1.3% (n=18) were positive.

Data from the 2020–2021 and 2021–2022 influenza seasons are not included in comparison calculations due to the unusually low incidence of influenza.

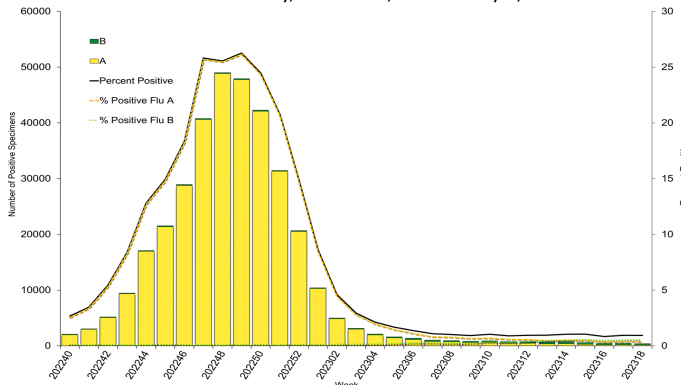
		Week 15	Week 16	Week 17	Week 18	Season Total
Army MTF Laboratory Results, 2022-23	Adenovirus	21	25	44	22	703
	Enterovirus	29	24	30	10	791
	Influenza A	30	19	28	27	14,199
	Influenza B	26	29	19	22	945
	Parainfluenza	21	22	22	24	723
	RSV	14	6	25	18	4,173
	Negative	3,153	3,044	2,831	2,632	124,677
	Total	3,294	3,169	2,999	2,755	146,211

Of the 2,755 specimens tested during Week 18, 4.5% (n=123) were positive for any type of respiratory illness. Influenza A accounted for 22.0% (n=27) of the positive results, parainfluenza accounted for 19.5% (n=24), adenovirus and influenza B both accounted for 17.9% (n=22), RSV accounted for 14.6% (n=18), and enterovirus accounted for 20.5% (n=10). Additionally, the reported number of specimens tested decreased by 8.1% from Week 17 to Week 18.

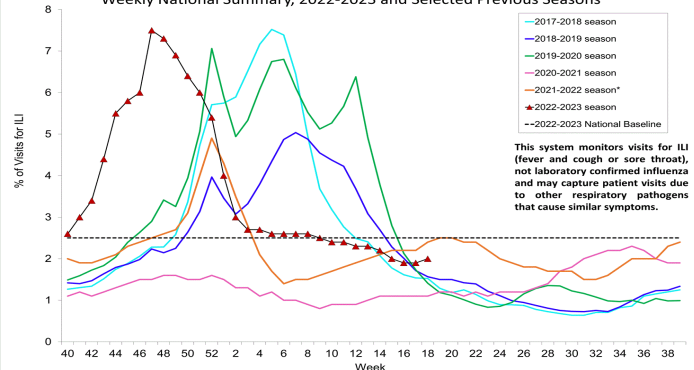
Significantly more tests for influenza have been conducted this season compared to past seasons; 143,852 specimens have been tested for influenza A so far this season compared to the average of 58,668 specimens during the same time period in 2017-2020.

INFLUENZA-LIKE ILLNESS (ILI) ACTIVITY - UNITED STATES

Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, October 2, 2022 – May 6, 2023



Percentage of Outpatient Visits for Respiratory Illness Reported By The U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2022-2023 and Selected Previous Seasons



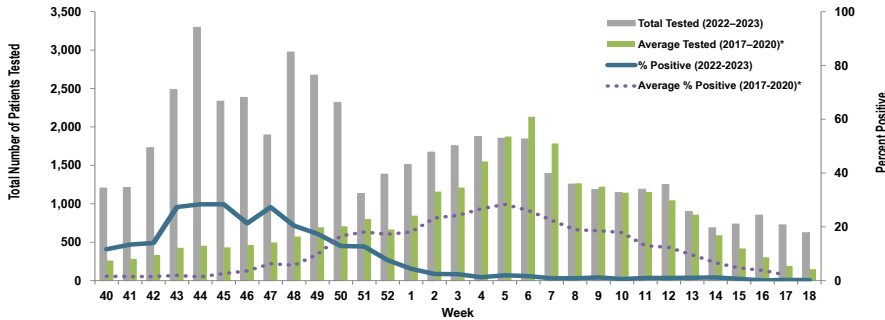
This system monitors visits for ILI (fever and cough or sore throat), not laboratory confirmed influenza and may capture patient visits due to other respiratory pathogens that cause similar symptoms.

Nationwide in Week 18, incident ILI activity was 2.0%; this is below the national baseline of 2.5%. Additionally, a total of 41,964 specimens were tested for influenza by select clinical laboratories and submitted to the CDC; 390 (0.9%) were positive. Influenza A accounted for 40.8% (n=159) of the total positive specimens.

Locations providing Week 18 laboratory data as of 10 May 2023: Camp Zama, Ft. Belvoir, Ft. Bliss, Ft. Bragg, Ft. Campbell, Ft. Cavazos (formerly Ft. Hood), Ft. Carson, Ft. Drum, Ft. Eustis, Ft. Gordon, Ft. Gregg-Adams (formerly Ft. Lee), Ft. Huachuca, Ft. Jackson, Ft. Knox, Ft. Leavenworth, Ft. Leonard Wood, Ft. Lewis, Ft. Meade, Ft. Moore (formerly Ft. Benning), Ft. Novosel (formerly Ft. Rucker), Ft. Polk, Ft. Riley, Ft. Sam Houston, Ft. Sill, Ft. Stewart, Korea, Landstuhl Regional Medical Center, Redstone Arsenal, Tripler Army Medical Center, and the U.S. Military Academy.

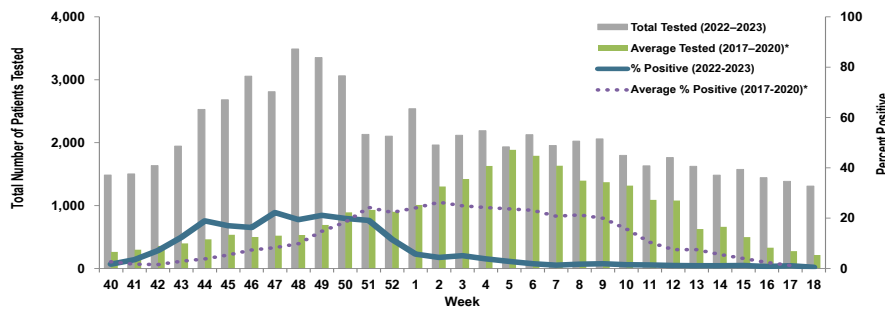
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2022–2023 as Compared to 2017–2020*

Medical Readiness Command - Atlantic (MRC-A)



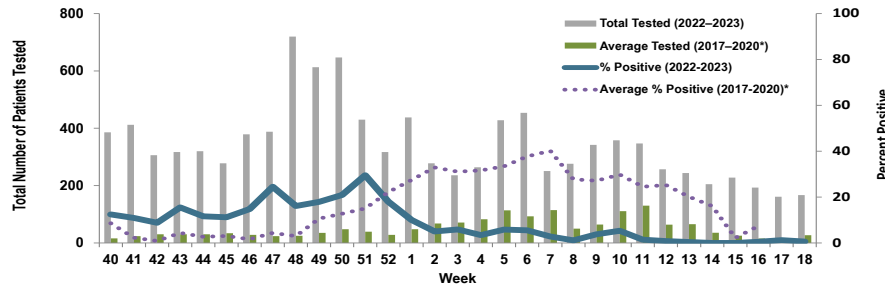
Week 18			
Age Group	AD	Non-AD	Season Total
< 18	0	0	2,940
18–29	0	0	1,246
30–39	0	1	740
40–49	0	0	363
50–59	0	0	241
60+	0	0	254
Total	0	1	5,784

Medical Readiness Command - Central (MRC-C)



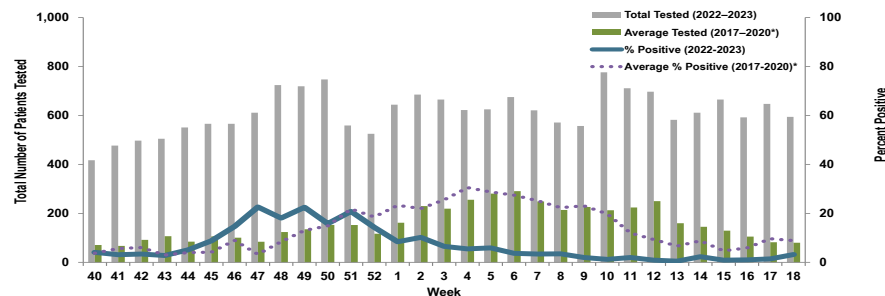
Week 18			
Age Group	AD	Non-AD	Season Total
< 18	0	2	2,834
18–29	2	0	1,372
30–39	1	1	741
40–49	0	0	370
50–59	0	0	221
60+	0	0	365
Total	3	3	5,903

Medical Readiness Command - Europe (MRC-E)



Week 18			
Age Group	AD	Non-AD	Season Total
< 18	0	0	616
18–29	0	0	209
30–39	0	0	161
40–49	1	0	82
50–59	0	0	25
60+	0	0	25
Total	1	0	1,118

Medical Readiness Command - Pacific (MRC-P)



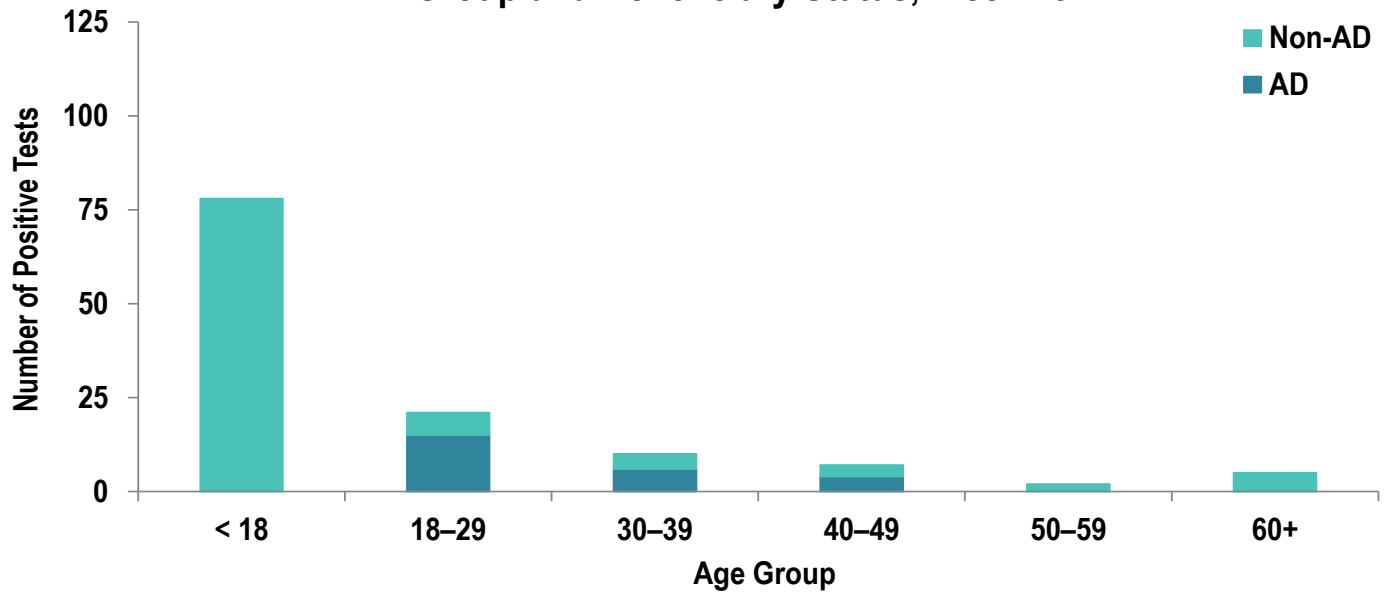
Week 18			
Age Group	AD	Non-AD	Season Total
< 18	0	6	544
18–29	4	1	355
30–39	2	1	230
40–49	1	2	94
50–59	0	2	45
60+	0	0	95
Total	7	12	1,363

*2017–2018 influenza season - 2019–2020 influenza season. Data from the 2020–2021 and 2021–2022 influenza seasons are not included in comparison calculations due to the unusually low incidence of influenza.

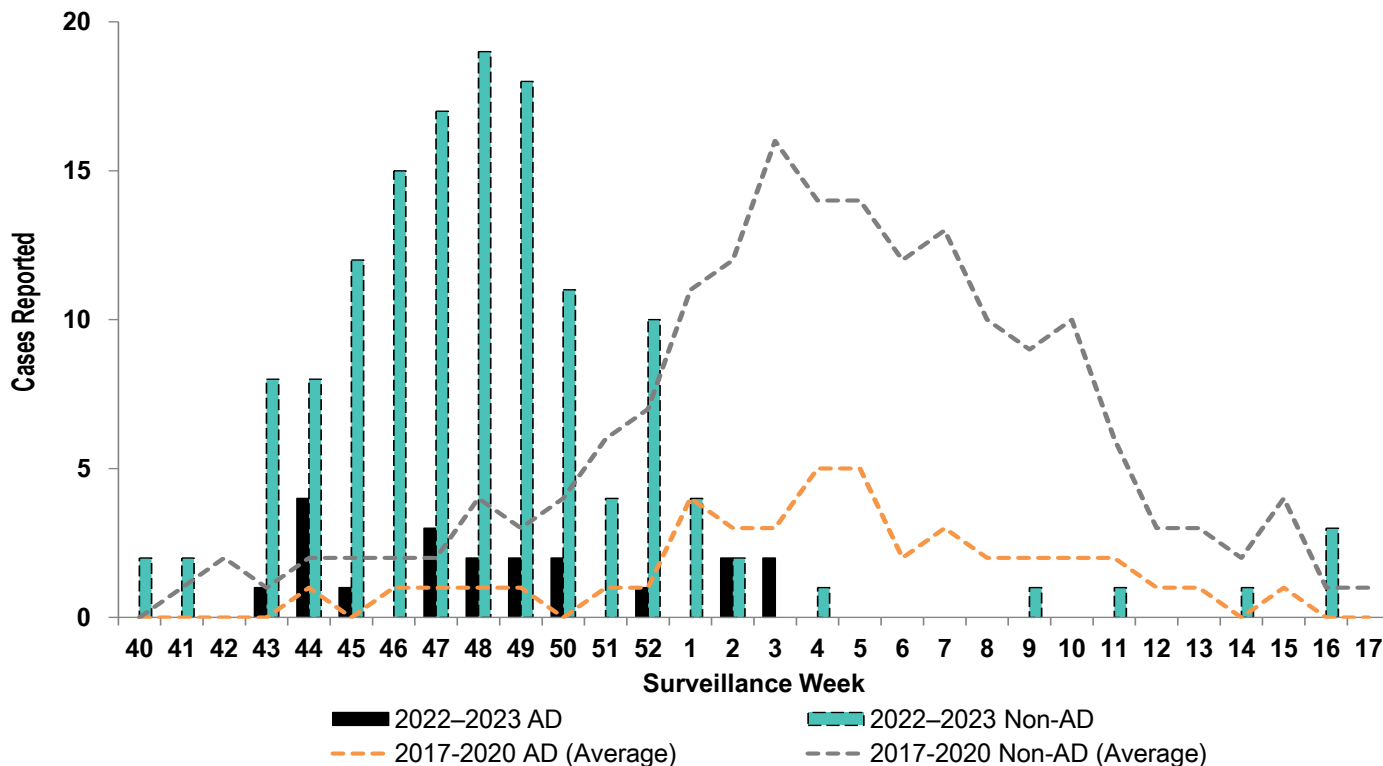
Number of Positive Influenza A Specimens by Region and Duty Status

Region	Week 15		Week 16		Week 17		Week 18	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
MRC-A	1	4	1	0	1	1	0	1
MRC-C	4	15	4	7	7	8	3	3
MRC-E	0	0	0	1	0	2	1	0
MRC-P	3	3	0	6	5	4	7	12

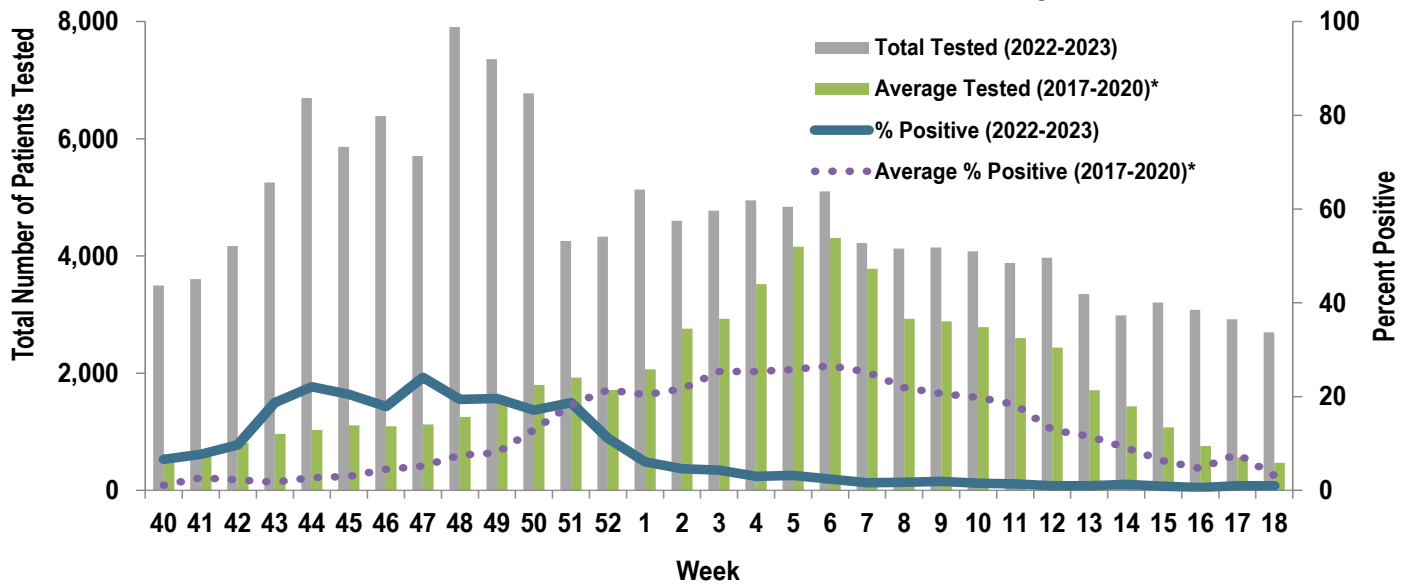
Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 18



Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week

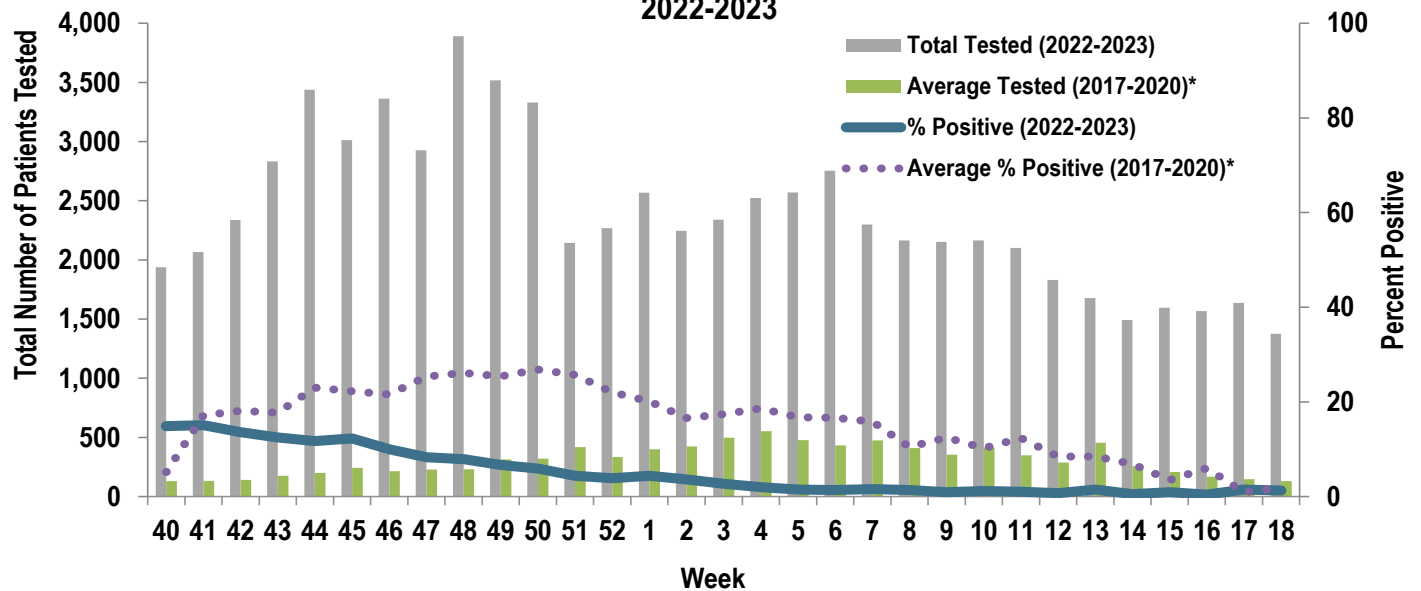


Proportion of Positive Influenza A Specimens for U.S. Army, 2022-2023



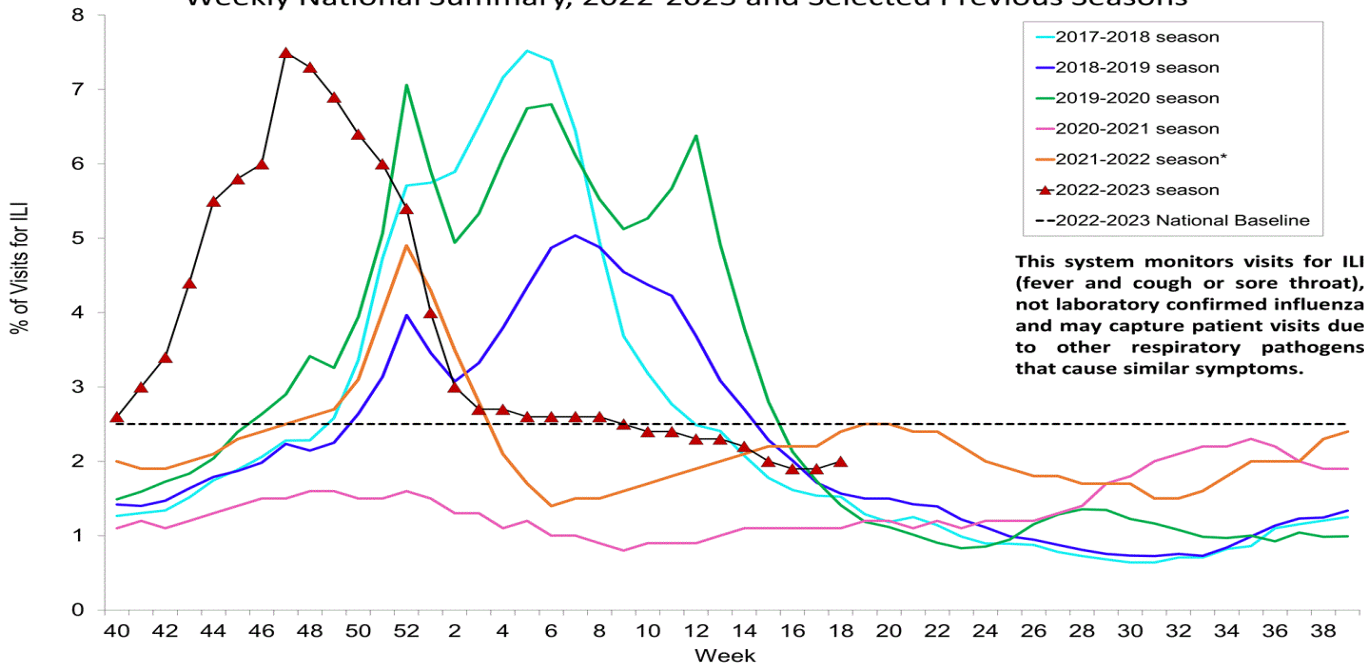
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Proportion of Positive Respiratory Syncytial Virus Specimens for U.S. Army, 2022-2023



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