

U.S. Army Public Health Center

Army Influenza Activity Report

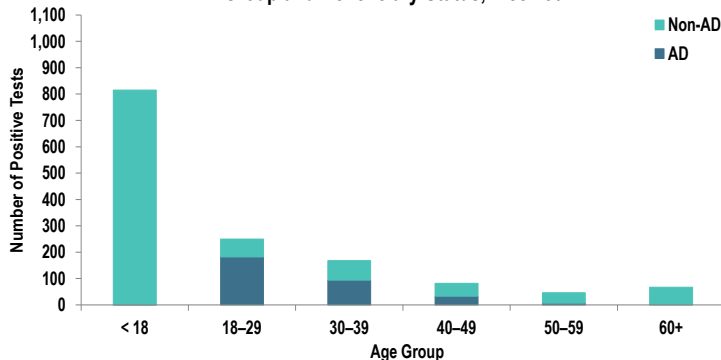
Week ending 17 December 2022 (Week 50)

SUMMARY

One thousand one hundred and seven positive influenza A and 59 influenza B specimens were reported during surveillance Week 50. Additionally, 12 influenza-associated hospitalizations were reported in Week 50; the season total thus far is 112 compared to an average of 28 influenza-associated hospitalizations during the same time period during 2017–2020. Nationwide, influenza activity remains high, with 24.4% of specimens tested by clinical laboratories being positive for influenza A or B, according to the Centers for Disease Control and Prevention (CDC). The best way to prevent the flu is by getting the annual influenza vaccine. Continue to engage in proper hygiene practices, like hand washing, and avoiding others while sick to reduce the spread of respiratory illnesses.

DEMOGRAPHICS

Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 50



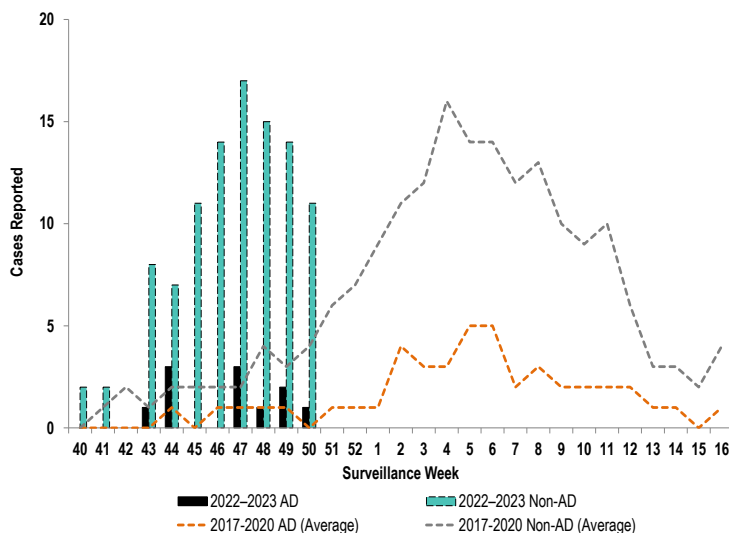
AD: Three hundred and nineteen positive respiratory specimens were collected from AD Service members (SMs) during Week 50; 57.1% (n=182) of the positive specimens were collected from SMs 18 – 29 years of age.

Non-AD: One thousand one hundred and nine positive respiratory specimens were collected from non-AD individuals during Week 50; 73.4% (n=814) 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



Twelve influenza-associated hospitalizations among one AD service member and eleven non-service members with an onset date in Week 50 were reported to the Disease Reporting System internet (DRSi). The season total thus far is 112 hospitalizations. The Week 50 average during the 2017–2020 seasons was four hospitalizations (with an average of 21 hospitalizations reported from the start of the season through Week 50).

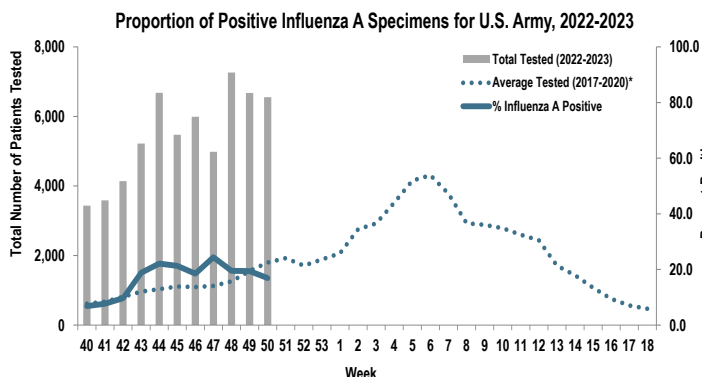
The DRSi does not capture cases older than 65 years old for influenza-associated hospitalizations.

Data are preliminary and subject to change.

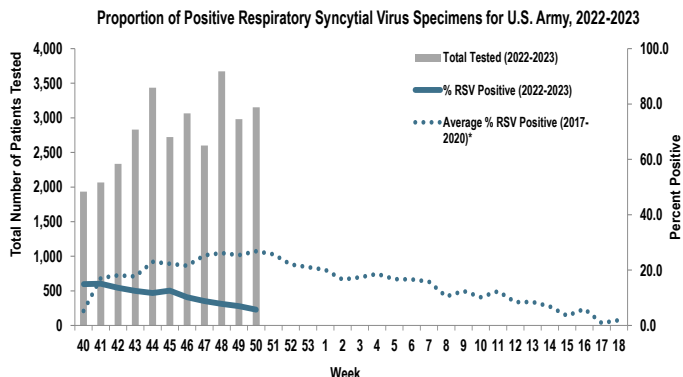
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Questions?
Email APHC.DEP

INFLUENZA A ACTIVITY - ARMY



RSV ACTIVITY - ARMY



Of the 6,552 specimens tested for influenza A during Week 50, 16.9% (n=1,107) were positive. This is a decrease of approximately three percentage points from Week 49 (19.4%).

Of the 3,152 specimens tested for RSV during Week 50, 5.7% (n=181) were positive. This is a decrease of approximately one percentage point from Week 49 (7%).

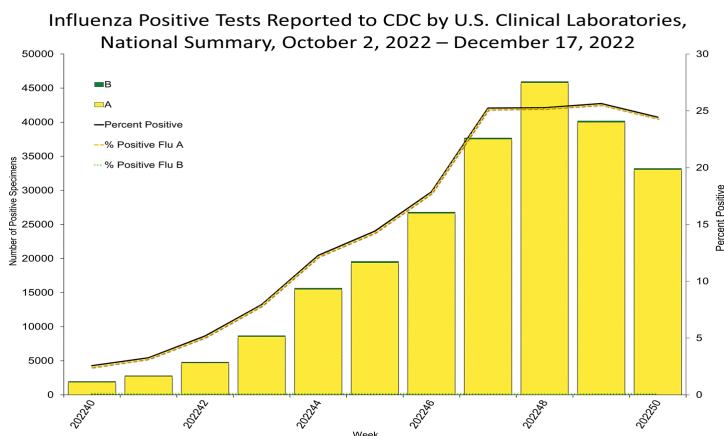
Data from the 2020–2021 and 2021–2022 influenza seasons are not included in comparison calculations due to the unusually low incidence of influenza.

		Week 47	Week 48	Week 49	Week 50	Season Total
Army MTF Laboratory Results, 2022-23	Adenovirus	22	31	28	24	193
	Enterovirus	26	32	29	37	248
	Influenza A	1,375	1,531	1,361	1,107	11,091
	Influenza B	36	56	100	59	397
	Parainfluenza	28	35	25	20	341
	RSV	243	309	218	181	3,334
	Negative	4,014	6,019	5,309	5,262	47,605
	Total	5,744	8,013	7,070	6,690	63,209

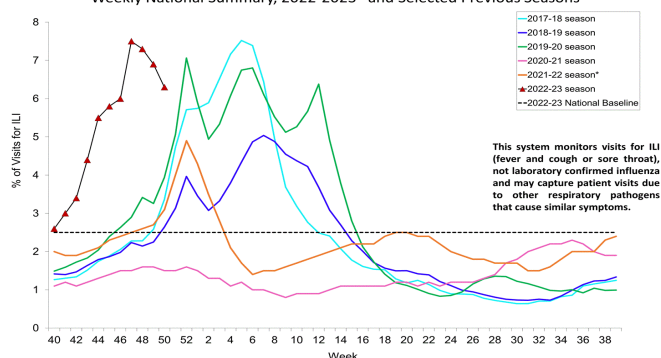
Of the 6,690 specimens tested during Week 50, 22.6% (n=1,428) were positive for any type of respiratory illness. Influenza A accounted for 77.5% (n=1,107), RSV accounted for 12.7% (n=181), influenza B accounted for 4.1% (n=59), enterovirus accounted for 2.6% (n=37), adenovirus accounted for 1.7% (n=24), and parainfluenza accounted for 1.4% (n=20). Additionally, the reported number of specimens tested decreased by 5.4% from Week 49 to Week 50.

Significantly more tests for influenza have been conducted this season compared to past seasons; 59,996 specimens have been tested for influenza A so far this season compared to the average of 12,035 specimens during the same time period in 2017-2020.

INFLUENZA-LIKE ILLNESS (ILI) ACTIVITY - UNITED STATES



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



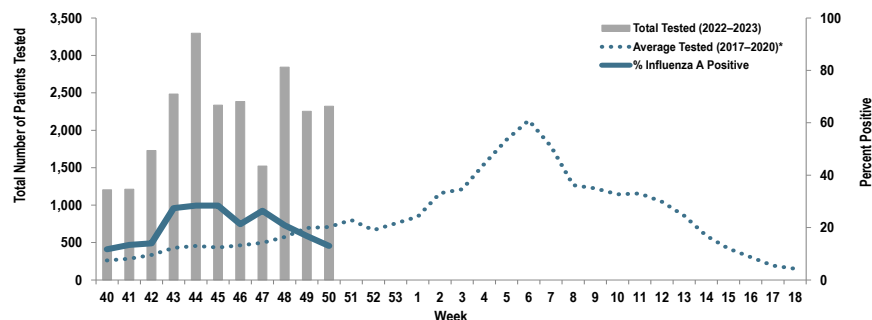
This system monitors visits for ILI (fever and cough or sore throat), not laboratory confirmed influenza and may capture patient visits due to other respiratory pathogens that cause similar symptoms.

Nationwide in Week 50, incident ILI activity was 6.3%; this is above the national baseline of 2.5%. Additionally, a total of 135,848 specimens were tested for influenza by select clinical laboratories and submitted to the CDC; 33,202 (24.4%) were positive. Influenza A accounted for 99.5% (n=33,041) of the total positive specimens.

Locations providing Week 50 laboratory data as of 21 December 2022: Carlisle Barracks, Camp Zama, Ft. Belvoir, Ft. Benning, Ft. Bliss, Ft. Bragg, Ft. Campbell, Ft. Carson, Ft. Drum, Ft. Eustis, Ft. Gordon, Ft. Hood, Ft. Huachuca, Ft. Jackson, Ft. Knox, Ft. Leavenworth, Ft. Lee, Ft. Leonard Wood, Ft. Lewis, Ft. Meade, Ft. Polk, Ft. Riley, Ft. Rucker, Ft. Sam Houston, Ft. Sill, Ft. Stewart, Ft. Wainwright, Landstuhl Regional Medical Center, Redstone Arsenal, Tripler Army Medical Center, the U.S. Military Academy, and Walter Reed National Military Medical Center.

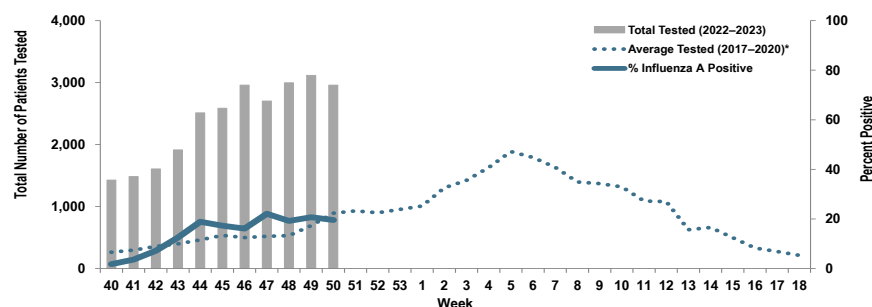
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2022–2023 as Compared to 2017–2020*

Regional Health Command - Atlantic (RHC-A)



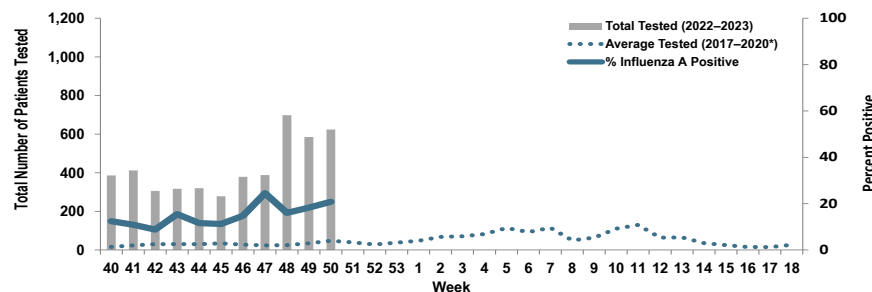
Week 50			
Age Group	AD	Non-AD	Season Total
< 18	0	154	2,684
18–29	39	12	1,117
30–39	28	17	631
40–49	10	12	299
50–59	4	12	175
60+	1	12	209
Total	82	219	5,115

Regional Health Command - Central (RHC-C)



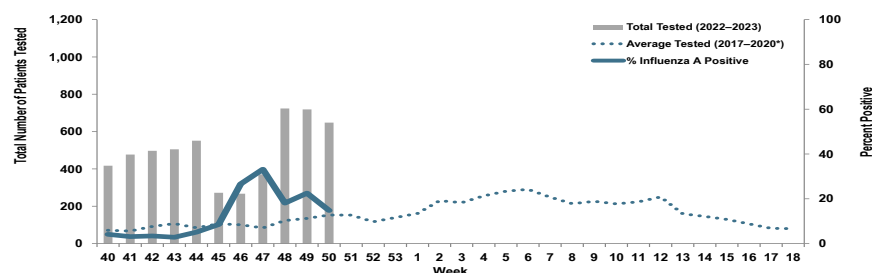
Week 50			
Age Group	AD	Non-AD	Season Total
< 18	1	324	2,331
18–29	71	41	936
30–39	39	31	521
40–49	14	21	263
50–59	1	16	154
60+	0	21	247
Total	126	454	4,452

Regional Health Command - Europe (RHC-E)



Week 50			
Age Group	AD	Non-AD	Season Total
< 18	0	73	445
18–29	19	5	145
30–39	10	8	95
40–49	4	5	40
50–59	1	2	11
60+	0	3	8
Total	34	96	744

Regional Health Command - Pacific (RHC-P)



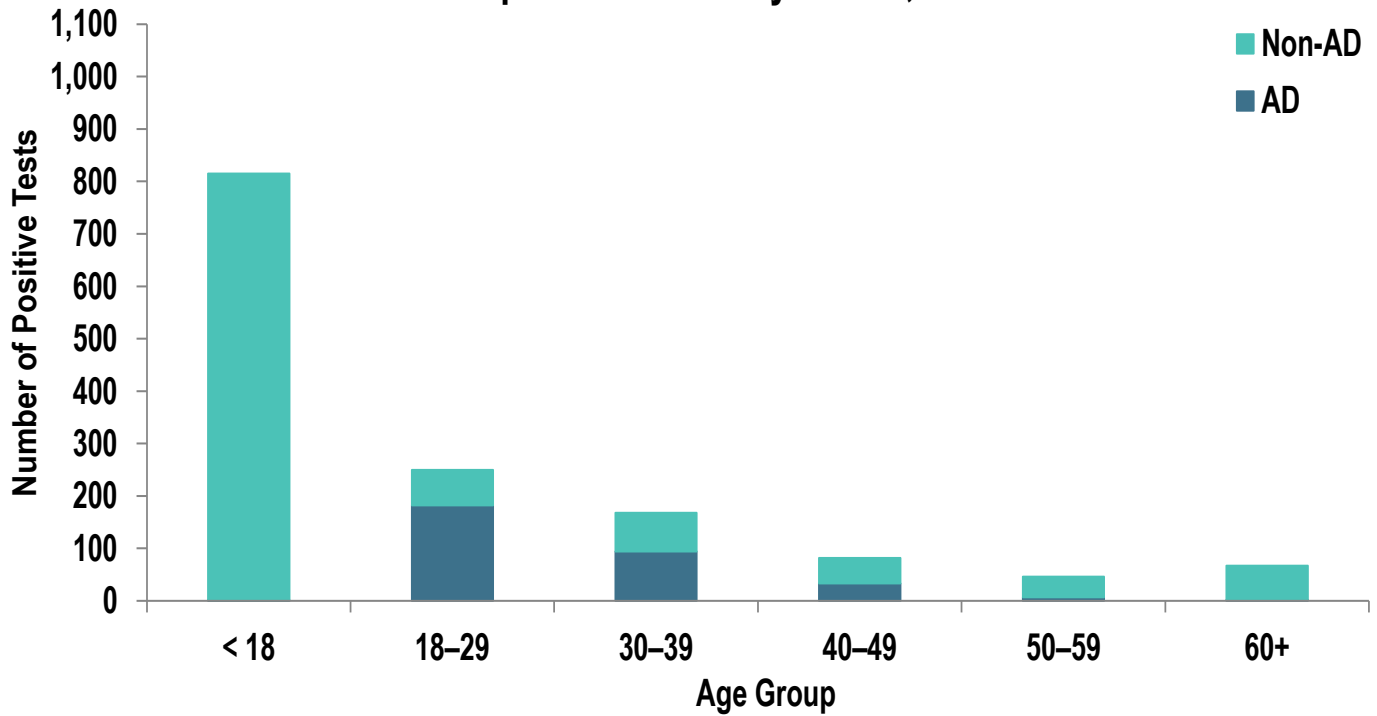
Week 50			
Age Group	AD	Non-AD	Season Total
< 18	0	44	329
18–29	21	4	166
30–39	7	6	117
40–49	2	4	45
50–59	1	1	23
60+	0	6	70
Total	31	65	750

*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.

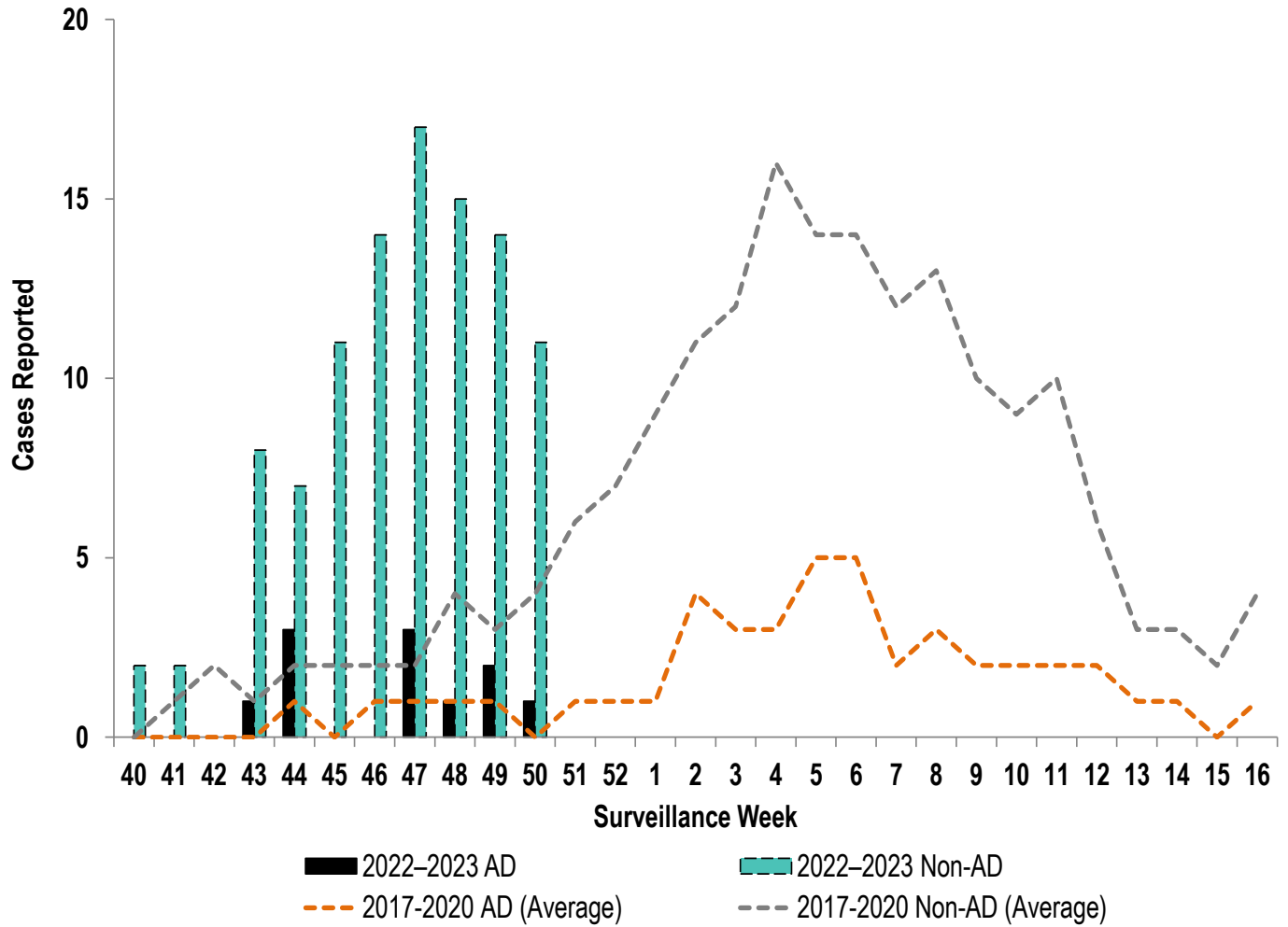
Number of Positive Influenza A Specimens by Region and Duty Status

Region	Week 47		Week 48		Week 49		Week 50	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
RHC-A	118	399	261	345	115	245	82	219
RHC-C	123	502	199	478	144	563	126	454
RHC-E	20	75	26	90	27	83	34	96
RHC-P	23	115	36	95	41	121	31	65

Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 50



Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week

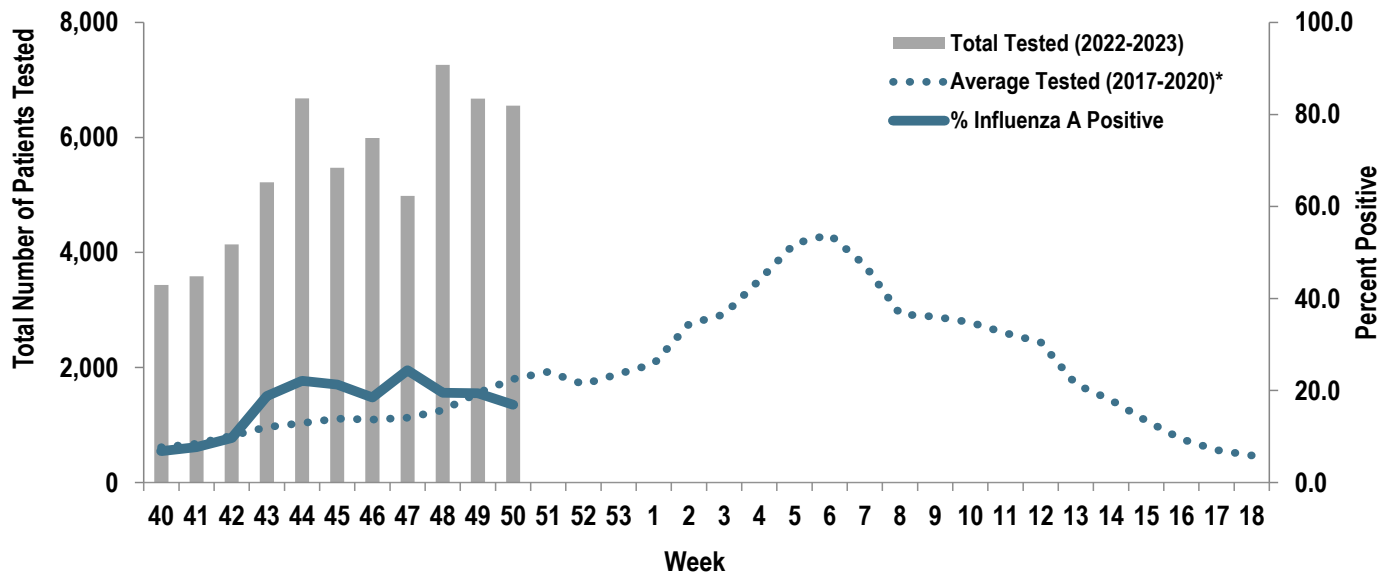


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Proportion of Positive Influenza A Specimens for U.S. Army, 2022-2023



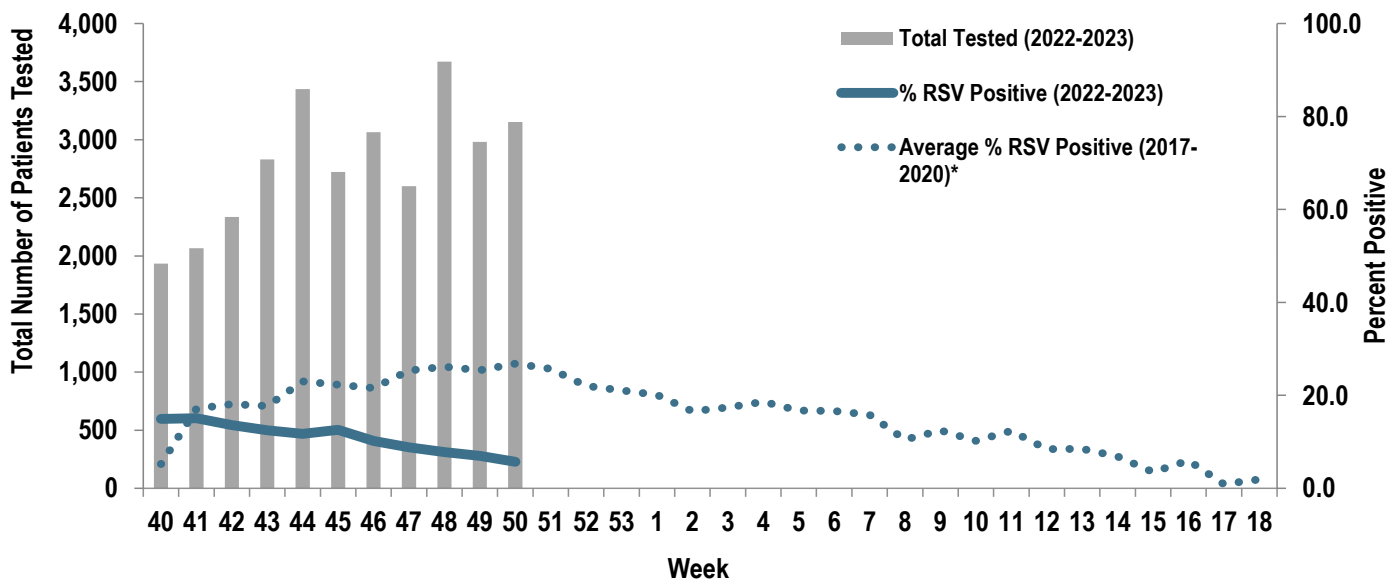
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Proportion of Positive Respiratory Syncytial Virus Specimens for U.S. Army, 2022-2023



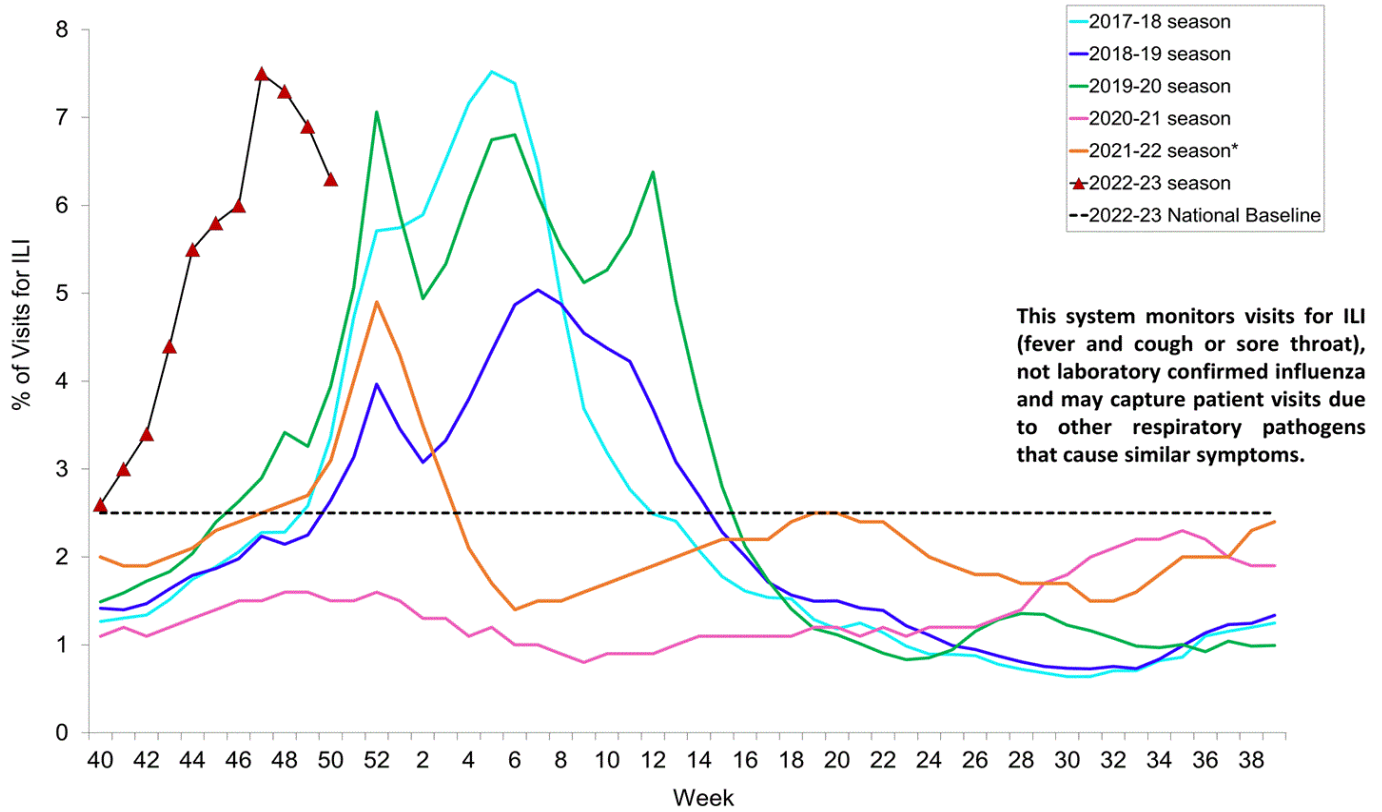
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Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, October 2, 2022 – December 17, 2022

