

U.S. Army Public Health Center

Army Influenza Activity Report

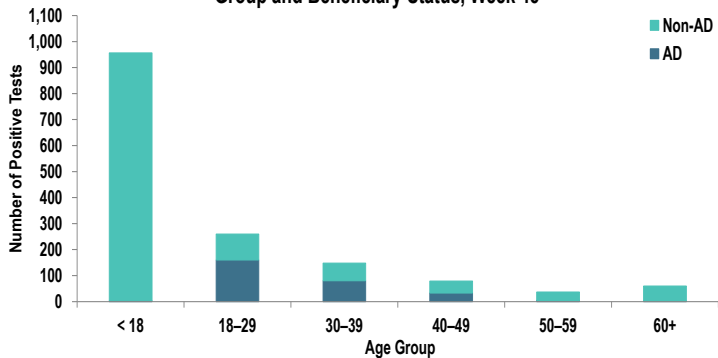
Week ending 12 November 2022 (Week 45)

SUMMARY

One thousand one hundred and fifty-five positive influenza A and twenty-one influenza B specimens were reported during surveillance Week 45. Additionally, ten influenza-associated hospitalizations were reported in Week 45; the season total thus far is 36 compared to an average of six influenza-associated hospitalizations during the same time period during 2017–2020. Nationwide, early increases in seasonal influenza activity continue, with 14.7% of specimens tested by clinical laboratories being positive for influenza A or B. The Centers for Disease Control and Prevention continue to report increased RSV activity in the general population. There is still time to receive the annual flu vaccine and be protected against the flu. Vaccines are available at medical treatment facilities for military beneficiaries, and at some local pharmacies and grocery stores.

DEMOGRAPHICS

Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 45



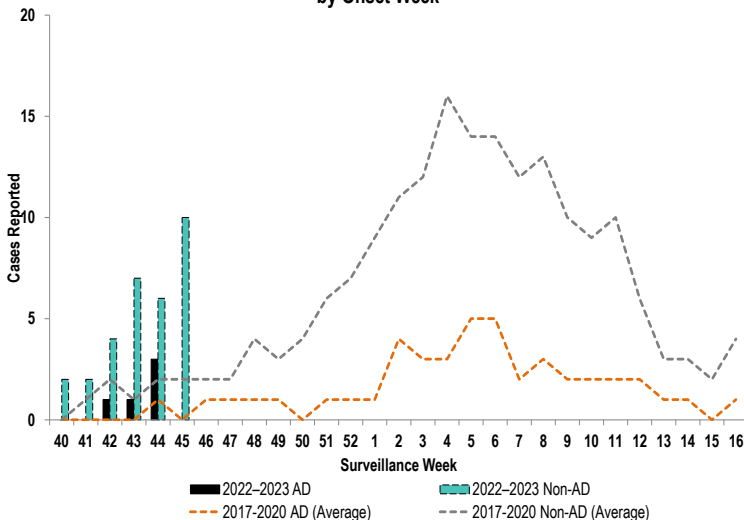
AD: Two hundred and eighty-one positive respiratory specimens were collected from AD Service members (SMs) during Week 45; 56.9% (n=160) of the positive specimens were collected from SMs 18 – 29 years of age.

Non-AD: One thousand two hundred and fifty-nine positive respiratory specimens were collected from non-AD individuals during Week 45; 75.7% (n=953) 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



Ten non-AD influenza-associated hospitalizations with an onset date in Week 45 were reported to the Disease Reporting System internet (DRSi). The season total thus far is 36 hospitalizations. The Week 45 average during the 2017–2020 seasons was 2 hospitalizations (with an average of 6 hospitalizations reported from the start of the season through Week 45).

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

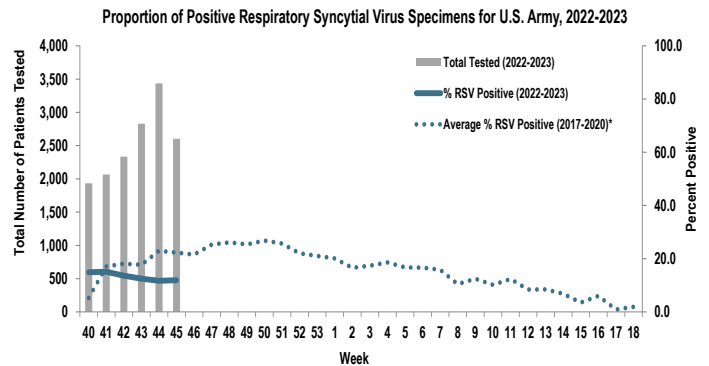
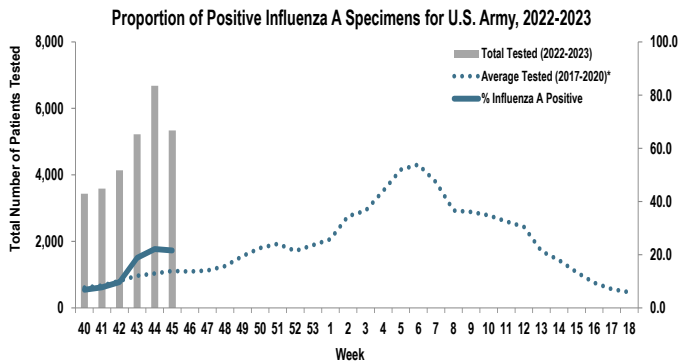
Data are preliminary and subject to change.

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Questions?
[Email APHC DEP](mailto:APHC.DEP)

INFLUENZA A ACTIVITY - ARMY

RSV ACTIVITY - ARMY



Of the 5,335 specimens tested for influenza A during Week 45, 1,155 (21.6%) were positive. This is a decrease of 21.7% from Week 44 (n=1,476).

Of the 2,604 specimens tested for RSV during Week 45, 360 (11.9%) were positive. This is a decrease of 22.8% from Week 44 (n=403).

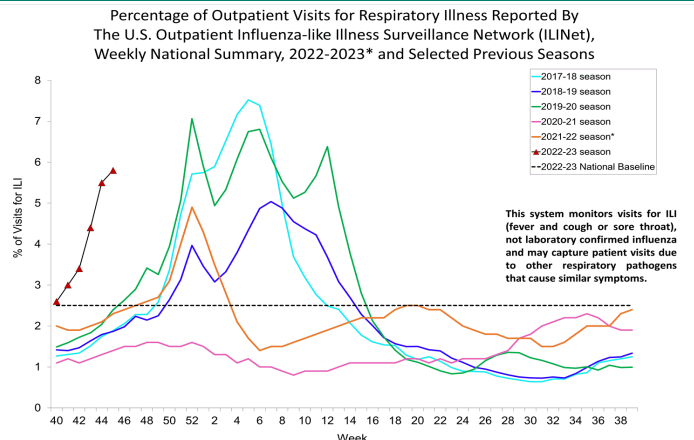
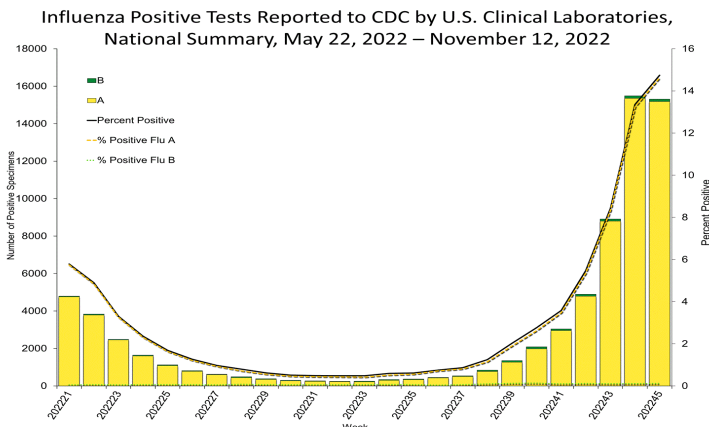
Data from the 2020–2021 and 2021–2022 influenza seasons are not included in comparison calculations due to the unusually low incidence of influenza.

		Week 42	Week 43	Week 44	Week 45	Season Total
Army MTF Laboratory Results, 2022-23	Adenovirus	7	12	18	15	68
	Enterovirus	0	25	0	16	41
	Influenza A	403	983	1,476	1,155	4,525
	Influenza B	14	19	19	21	115
	Parainfluenza	30	18	48	23	185
	RSV	318	353	403	311	1,985
	Negative	3,394	3,840	4,744	3,825	21,630
	Total	4,166	5,250	6,708	5,366	28,549

Of the 5,366 specimens tested during Week 45, 22.6% (n=1,541) were positive for any type of respiratory illness. Influenza A accounted for 75% (n=1,155), RSV accounted for 20.2% (n=311), parainfluenza accounted for 1.5% (n=23), influenza B accounted for 1.4% (n=21), and both enterovirus (n=16) and adenovirus (n=15) accounted for 1.0%. Additionally, the reported number of specimens tested decreased by 20.0% from Week 44 to Week 45.

Significantly more tests for influenza have been conducted this season compared to past seasons; 28,396 specimens have been tested for influenza A so far this season compared to the average of 5,203 specimens during the same time period in 2017-2020.

INFLUENZA-LIKE ILLNESS (ILI) ACTIVITY - UNITED STATES



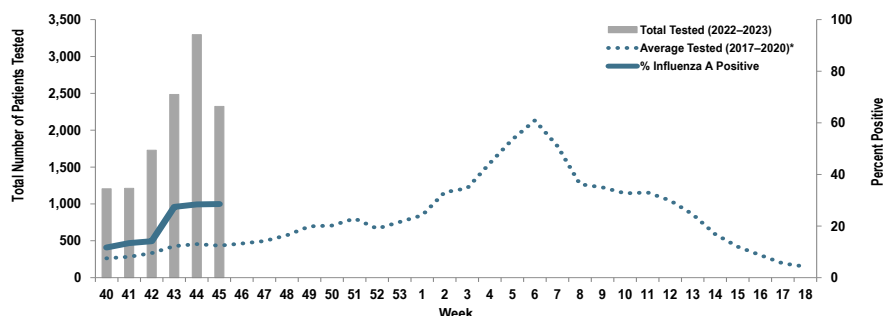
Nationwide in Week 45, incident ILI activity was 5.8%; this is above the national baseline of 2.5%. Additionally, a total of 103,830 specimens were tested for influenza by select clinical laboratories and submitted to the CDC; 15,308 (14.7%) were positive. Influenza A accounted for 99.2% (n=15,185) of the total positive specimens.

Locations providing Week 45 laboratory data as of 17 November 2022: 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. Polk, Ft. Riley, Ft. Rucker, Ft. Sam Houston, Ft. Sill, Ft. Stewart, Ft. Wainwright, Landstuhl Regional Medical Center, Redstone Arsenal, the U.S. Military Academy, and Walter Reed National Military Medical Center.

*Results should be interpreted with caution as data from multiple labs were unavailable at the time of data analysis.

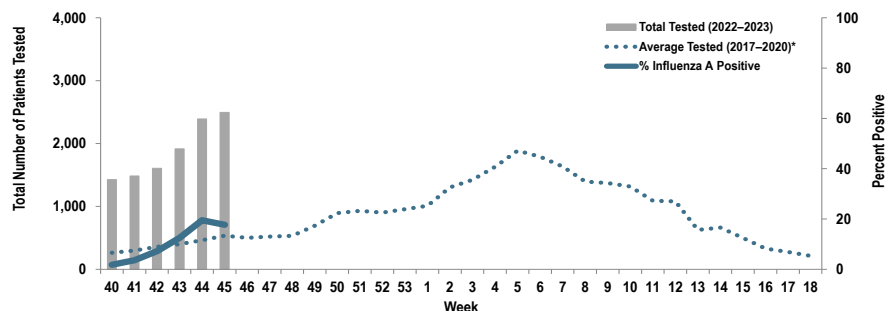
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2022–2023 as Compared to 2017–2020*

Regional Health Command - Atlantic (RHC-A)



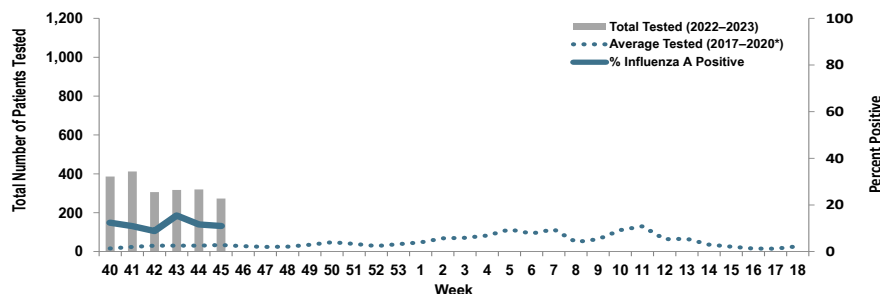
Week 45			
Age Group	AD	Non-AD	Season Total
< 18	0	382	1,650
18–29	86	43	579
30–39	43	38	304
40–49	17	17	135
50–59	2	15	69
60+	0	19	87
Total	148	514	2,824

Regional Health Command - Central (RHC-C)



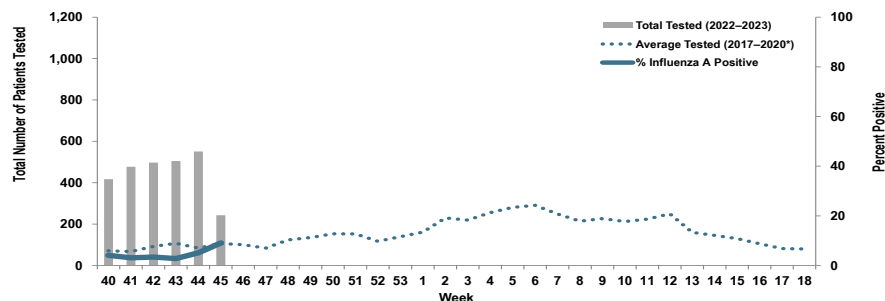
Week 45			
Age Group	AD	Non-AD	Season Total
< 18	3	229	752
18–29	49	45	257
30–39	23	19	144
40–49	11	17	78
50–59	1	15	50
60+	1	27	68
Total	88	352	1349

Regional Health Command - Europe (RHC-E)



Week 45			
Age Group	AD	Non-AD	Season Total
< 18	0	20	131
18–29	6	1	66
30–39	0	1	25
40–49	1	0	10
50–59	0	0	1
60+	0	1	3
Total	7	23	236

Regional Health Command - Pacific (RHC-P)



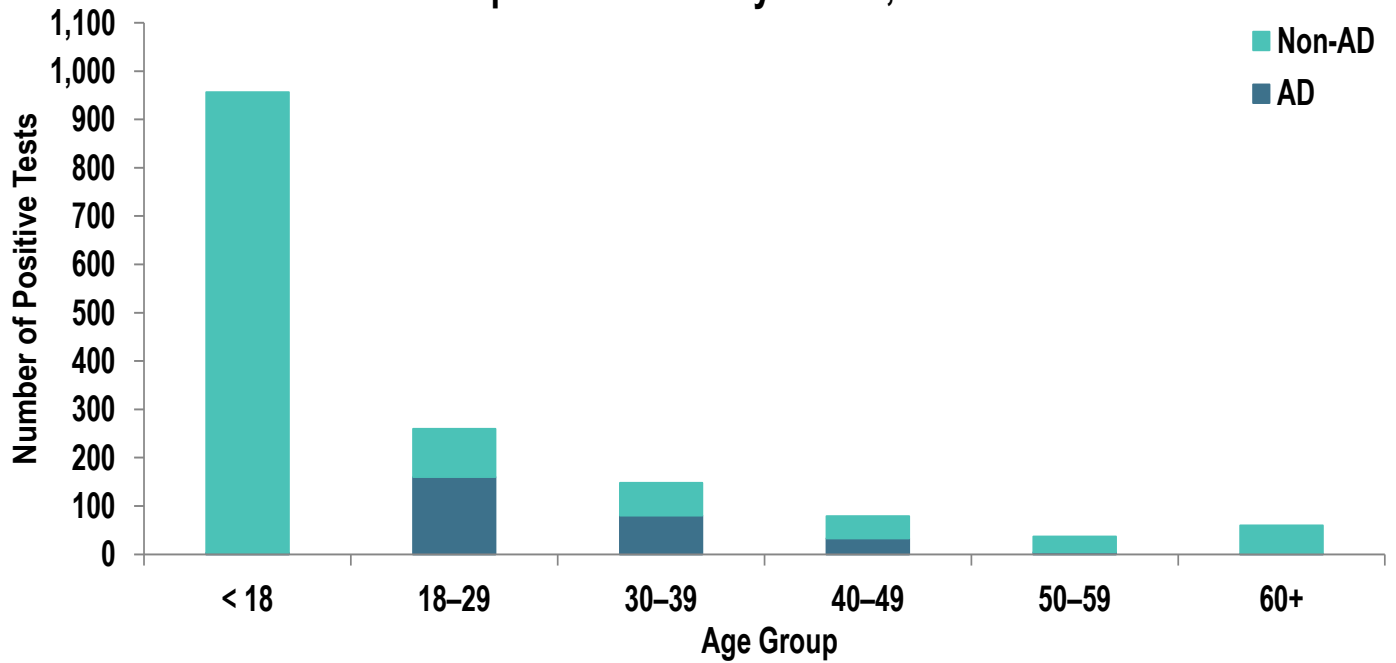
Week 45			
Age Group	AD	Non-AD	Season Total
< 18	0	13	50
18–29	3	0	36
30–39	0	3	11
40–49	1	0	6
50–59	0	0	4
60+	0	2	6
Total	4	18	113

*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 42		Week 43		Week 44		Week 45	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
RHC-A	60	183	171	509	243	692	148	514
RHC-C	25	91	50	190	98	378	88	353
RHC-E	17	10	21	28	11	26	7	23
RHC-P	6	11	3	11	9	19	4	18

Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 45

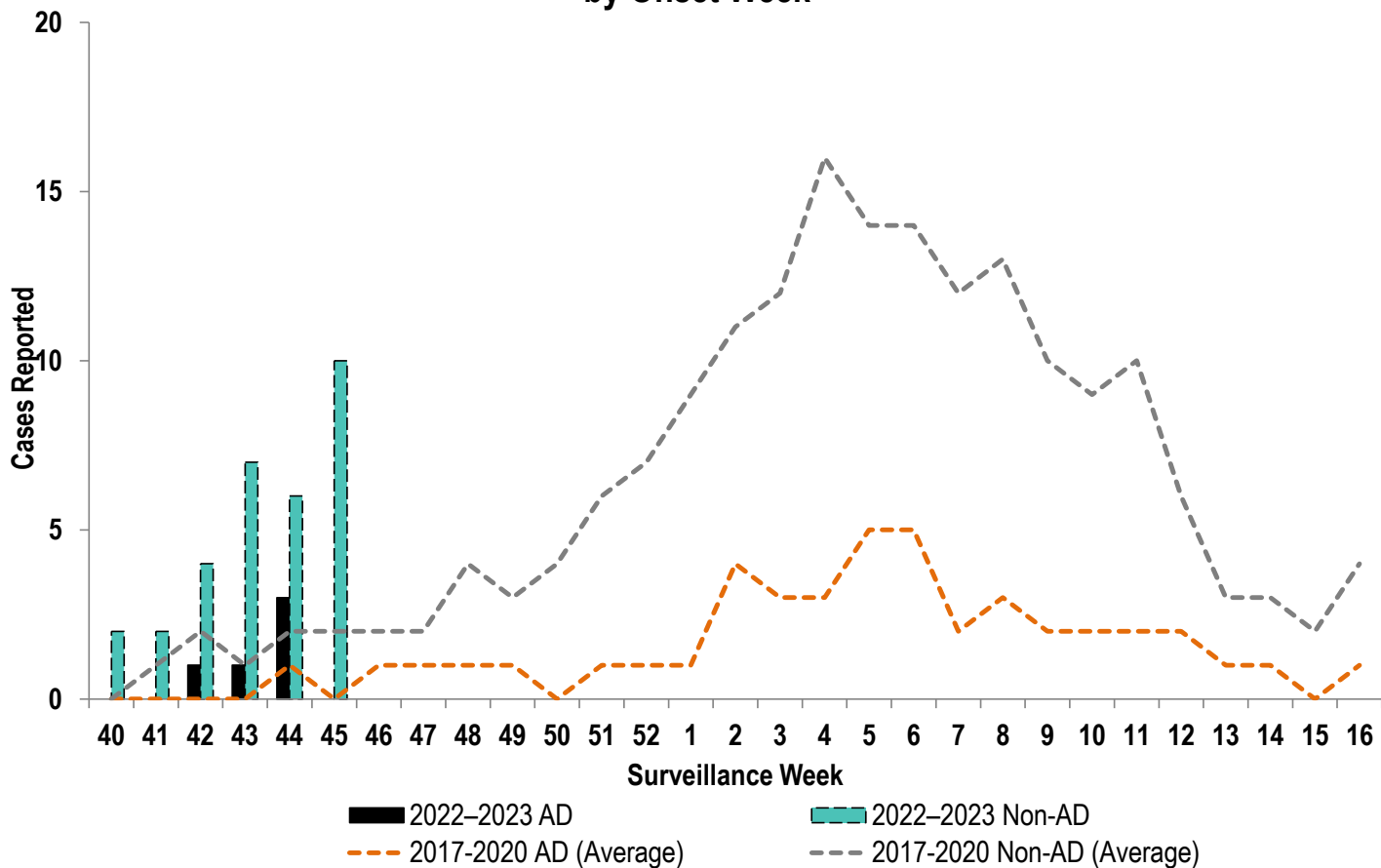


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Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week

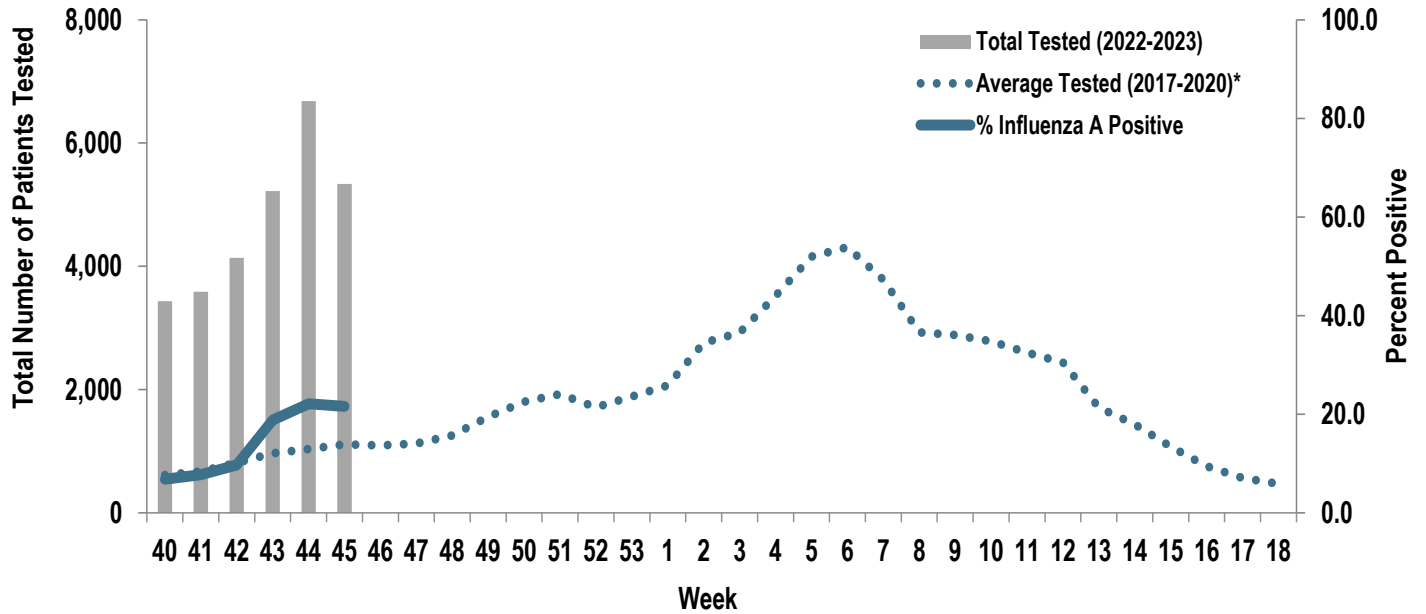


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Proportion of Positive Influenza A Specimens for U.S. Army, 2022-2023



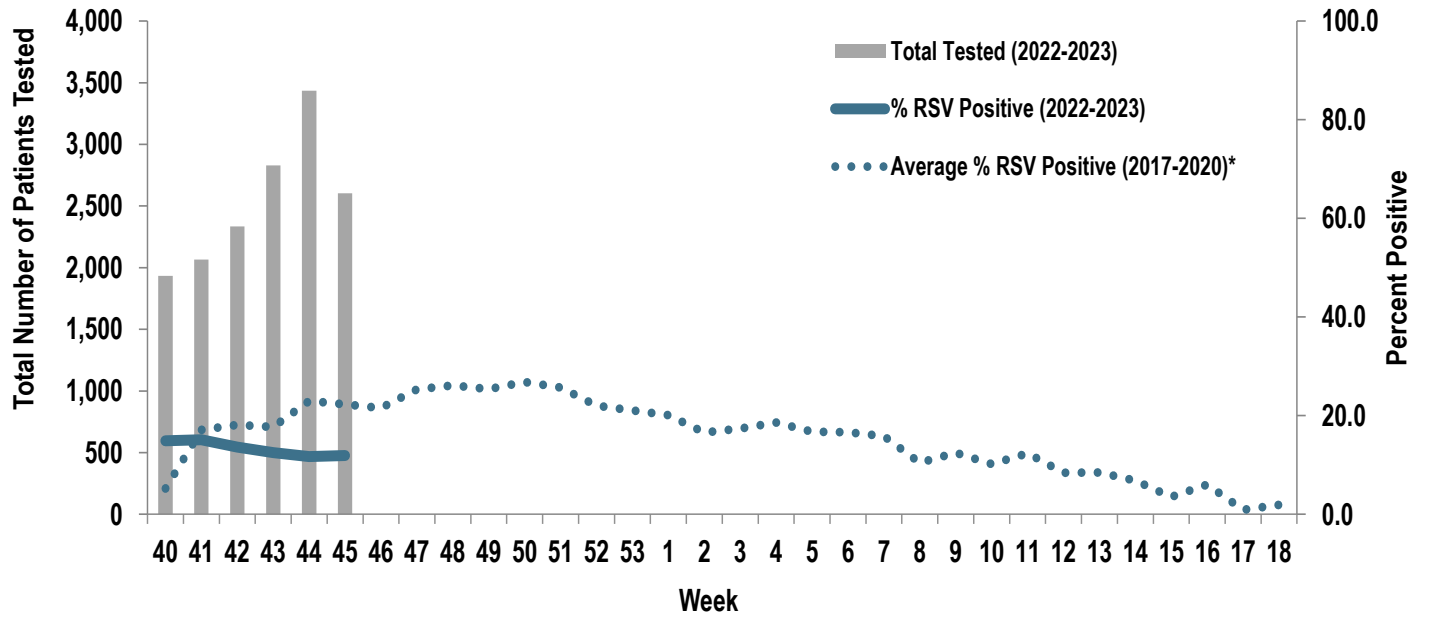
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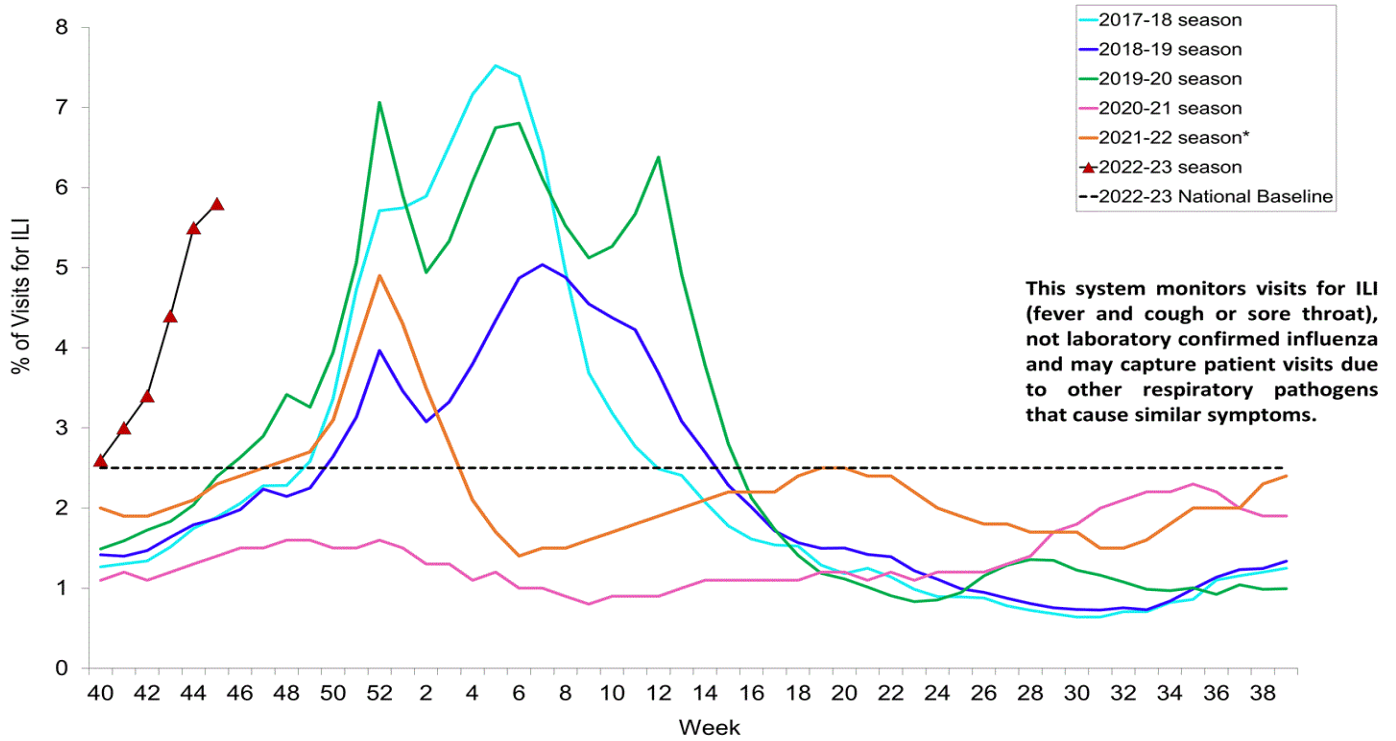
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Proportion of Positive Respiratory Syncytial Virus Specimens for U.S. Army, 2022-2023



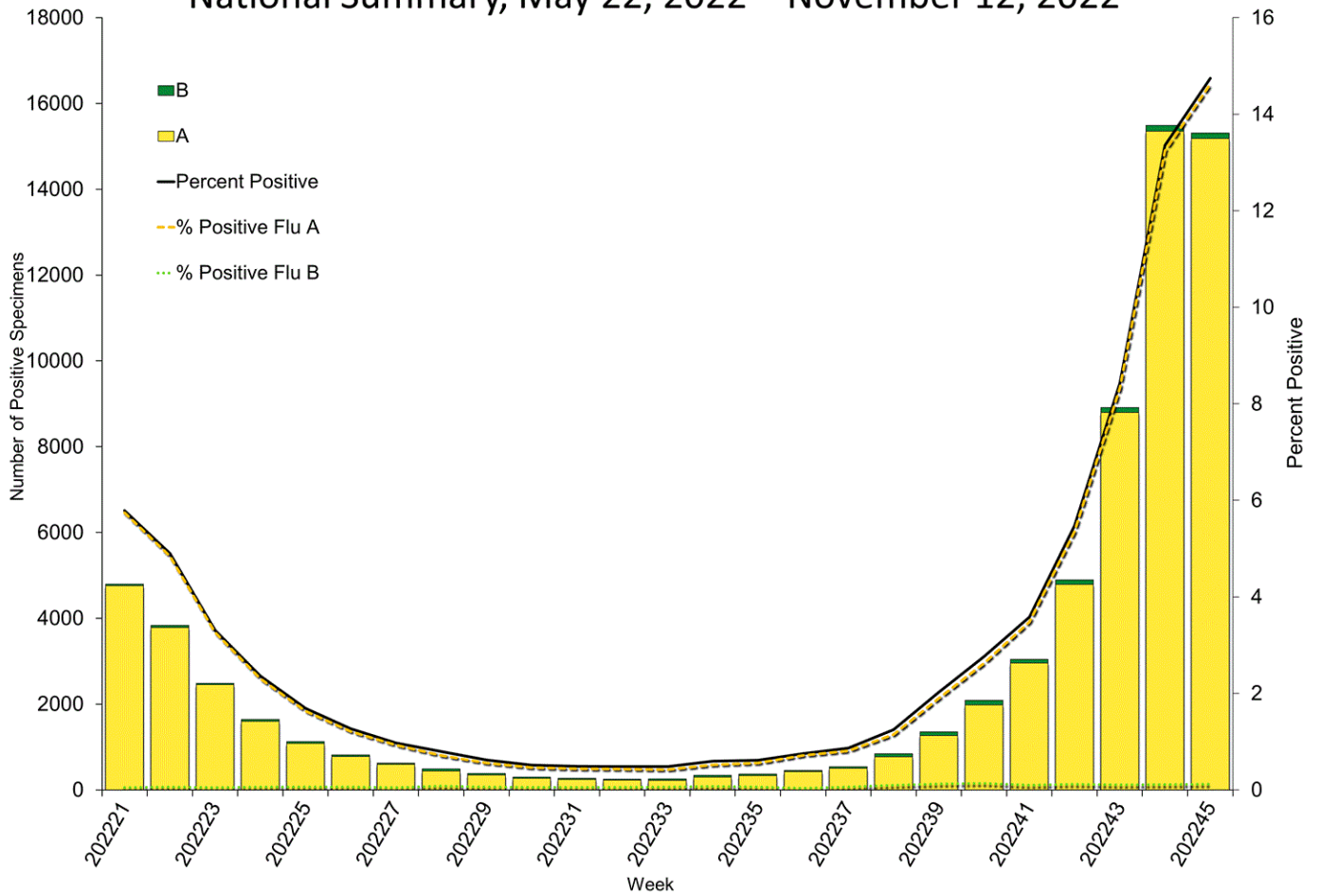
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Percentage of Outpatient Visits for Respiratory Illness Reported By The U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2022-2023* and Selected Previous Seasons



Source: Centers for Disease Control and Prevention (CDC)

Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, May 22, 2022 – November 12, 2022



Source: Centers for Disease Control and Prevention (CDC)