

U.S. Army Public Health Center

Army Influenza Activity Report

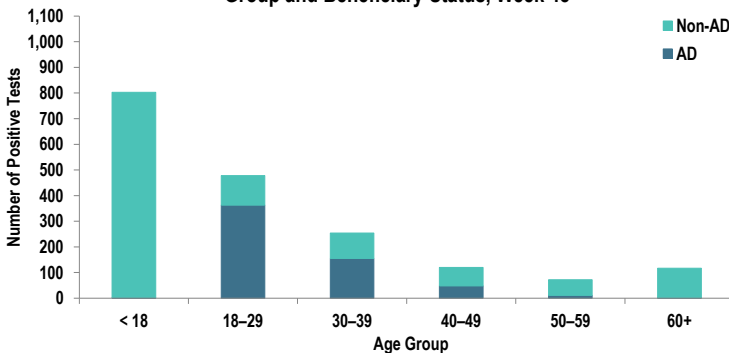
Week ending 03 December 2022 (Week 48)

SUMMARY

One thousand four hundred and thirteen positive influenza A and forty-nine influenza B specimens were reported during surveillance Week 48. Additionally, sixteen influenza-associated hospitalizations were reported in Week 48; the season total thus far is 84 compared to an average of twenty influenza-associated hospitalizations during the same time period during 2017–2020. Nationwide, influenza activity remains high, with 24.8% of specimens tested by clinical laboratories being positive for influenza A or B. It is important that individuals seek prompt medical care when experiencing respiratory illness symptoms, as medication can be prescribed to help lessen symptoms and decrease recovery time. Testing of respiratory specimens will help determine the most appropriate treatment.

DEMOGRAPHICS

Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 48



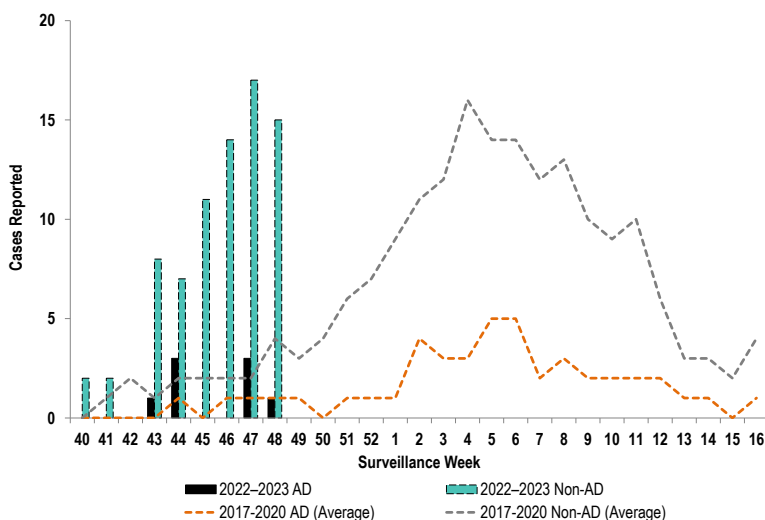
AD: Five hundred and eighty positive respiratory specimens were collected from AD Service members (SMs) during Week 48; 62.6% (n=363) of the positive specimens were collected from SMs 18 – 29 years of age.

Non-AD: One thousand two hundred and sixty-four positive respiratory specimens were collected from non-AD individuals during Week 48; 63.4% (n=801) 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



Sixteen influenza-associated hospitalizations among one AD service member and fifteen non-service members with an onset date in Week 48 were reported to the Disease Reporting System internet (DRSi). The season total thus far is 84 hospitalizations. The Week 48 average during the 2017–2020 seasons was five hospitalizations (with an average of 15 hospitalizations reported from the start of the season through Week 48).

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

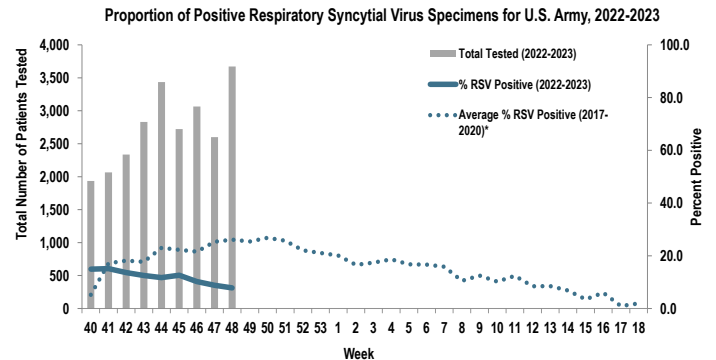
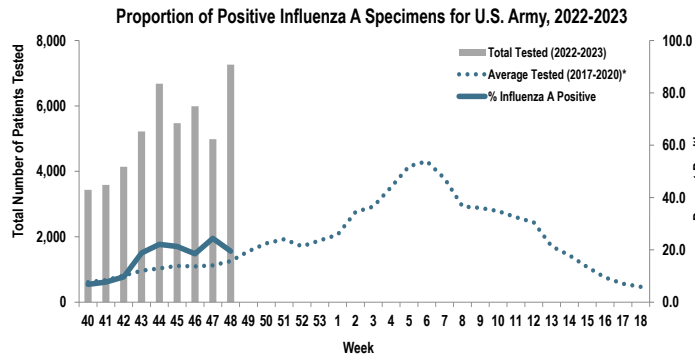
Data are preliminary and subject to change.

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Questions?
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INFLUENZA A ACTIVITY - ARMY

RSV ACTIVITY - ARMY



Of the 7,261 specimens tested for influenza A during Week 48, 1,413 (19.5%) were positive. This is a decrease of approximately five percentage points from Week 47 (24.4%).

Of the 3,672 specimens tested for RSV during Week 48, 286 (7.8%) were positive. This is a decrease of one percentage point from Week 47 (8.8%).

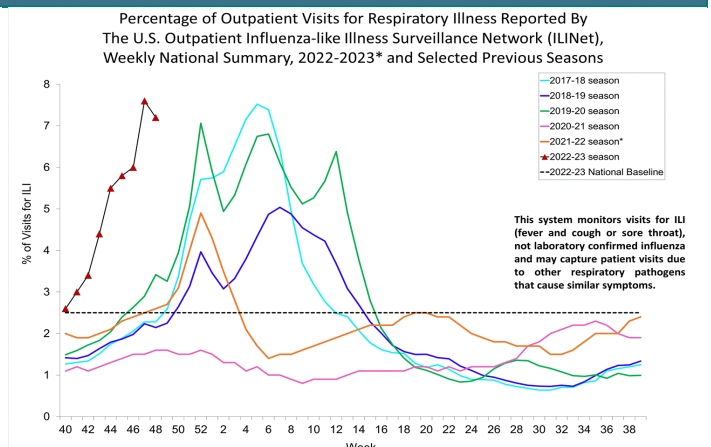
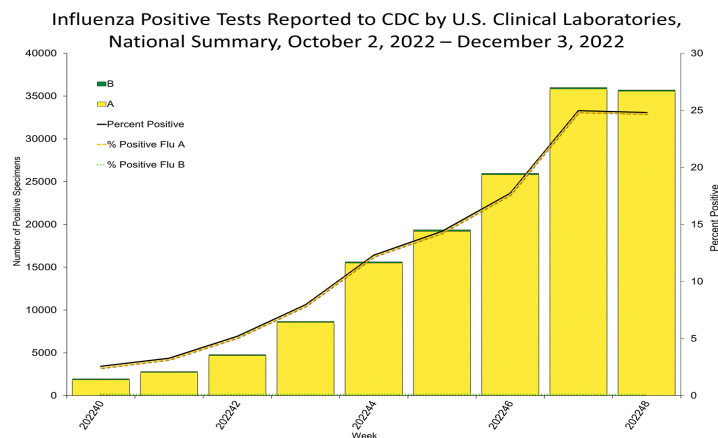
Data from the 2020–2021 and 2021–2022 influenza seasons are not included in comparison calculations due to the unusually low incidence of influenza.

		Week 45	Week 46	Week 47	Week 48	Season Total
Army MTF Laboratory Results, 2022-23	Adenovirus	18	8	22	32	133
	Enterovirus	16	21	16	33	112
	Influenza A	1,165	1,111	1,218	1,413	8,277
	Influenza B	21	29	30	49	223
	Parainfluenza	27	38	22	34	283
	RSV	344	313	228	286	2,845
	Negative	3,917	4,517	3,484	5,520	35,243
	Total	5,508	6,037	5,020	7,367	47,116

Of the 7,367 specimens tested during Week 48, 22.6% (n=1,847) were positive for any type of respiratory illness. Influenza A accounted for 76.5% (n=1,413), RSV accounted for 15.5% (n=286), influenza B accounted for 2.7% (n=49), parainfluenza (n=34) and enterovirus (n=33) both accounted for 1.8%, and adenovirus accounted for 1.7% (n=32). Additionally, the reported number of specimens tested increased by 46.8% from Week 47 to Week 48.

Significantly more tests for influenza have been conducted this season compared to past seasons; 46,770 specimens have been tested for influenza A so far this season compared to the average of 8,676 specimens during the same time period in 2017-2020.

INFLUENZA-LIKE ILLNESS (ILI) ACTIVITY - UNITED STATES



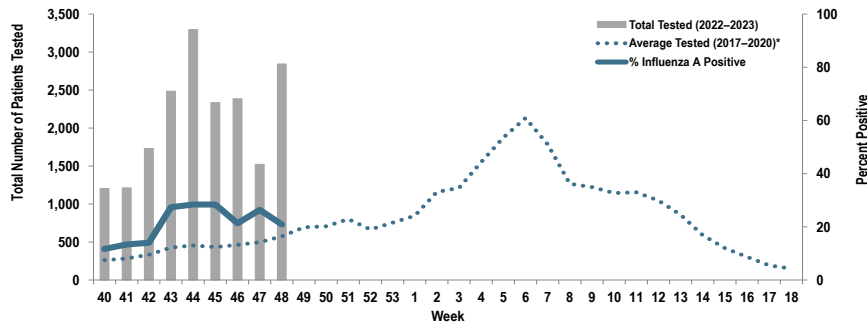
Nationwide in Week 48, incident ILI activity was 7.2%; this is above the national baseline of 2.5%. Additionally, a total of 143,924 specimens were tested for influenza by select clinical laboratories and submitted to the CDC; 35,704 (24.8%) were positive. Influenza A accounted for 99.6% (n=35,568) of the total positive specimens.

Locations providing Week 48 laboratory data as of 07 December 2022: Carlisle Barracks, Ft. Belvoir, Ft. Benning, Ft. Bliss, Ft. Bragg, Ft. Campbell, Ft. Carson, Ft. Eustis, Ft. Gordon, Ft. Hood, Ft. Huachuca, Ft. Jackson, Ft. Knox, Ft. Leavenworth, Ft. Lee, Ft. Lewis, Ft. Meade, Ft. Polk, Ft. Riley, Ft. Rucker, Ft. Sam Houston, Ft. Sill, Ft. Wainwright, Korea, Landstuhl Regional Medical Center, Redstone Arsenal, Tripler Army Medical Center, 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.

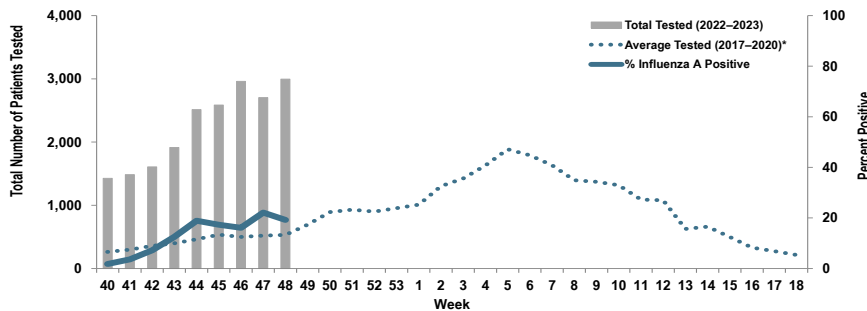
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2022–2023 as Compared to 2017–2020*

Regional Health Command - Atlantic (RHC-A)



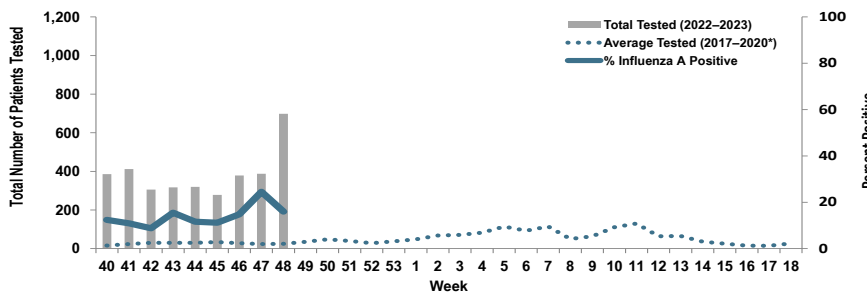
Week 48			
Age Group	AD	Non-AD	Season Total
< 18	2	184	2,313
18–29	151	42	938
30–39	69	29	524
40–49	29	27	247
50–59	5	22	129
60+	1	32	176
Total	257	336	4,327

Regional Health Command - Central (RHC-C)



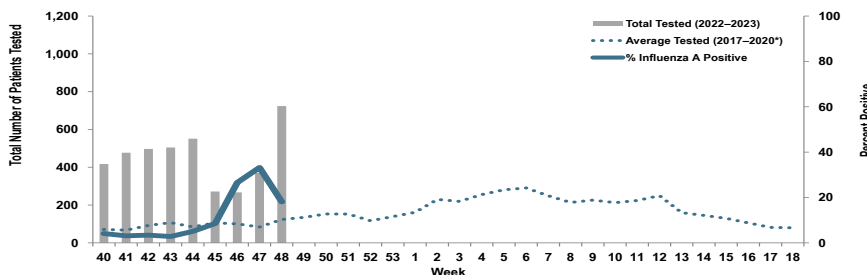
Week 48			
Age Group	AD	Non-AD	Season Total
< 18	0	226	1,520
18–29	120	46	663
30–39	44	34	338
40–49	8	25	176
50–59	3	24	121
60+	0	46	188
Total	175	401	3,006

Regional Health Command - Europe (RHC-E)



Week 48			
Age Group	AD	Non-AD	Season Total
< 18	0	65	302
18–29	11	7	103
30–39	10	10	61
40–49	4	3	23
50–59	1	1	6
60+	0	0	5
Total	26	86	500

Regional Health Command - Pacific (RHC-P)



Week 48			
Age Group	AD	Non-AD	Season Total
< 18	0	49	191
18–29	25	8	101
30–39	11	16	60
40–49	0	7	26
50–59	0	6	15
60+	0	9	45
Total	36	95	438

*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

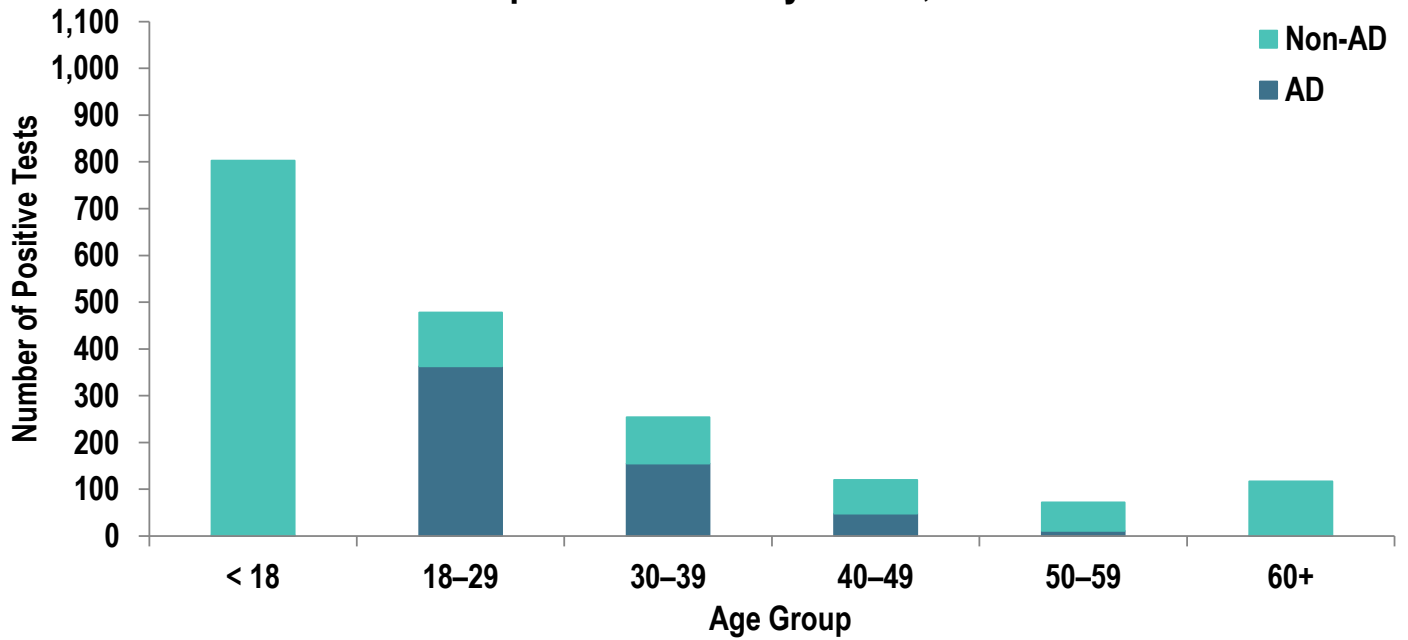
Region	Week 45		Week 46		Week 47		Week 48	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
RHC-A	149	515	140	367	85	317	257	336
RHC-C	88	359	107	370	118	480	175	401
RHC-E	7	24	8	48	20	75	26	86
RHC-P	4	19	14	57	17	106	36	95

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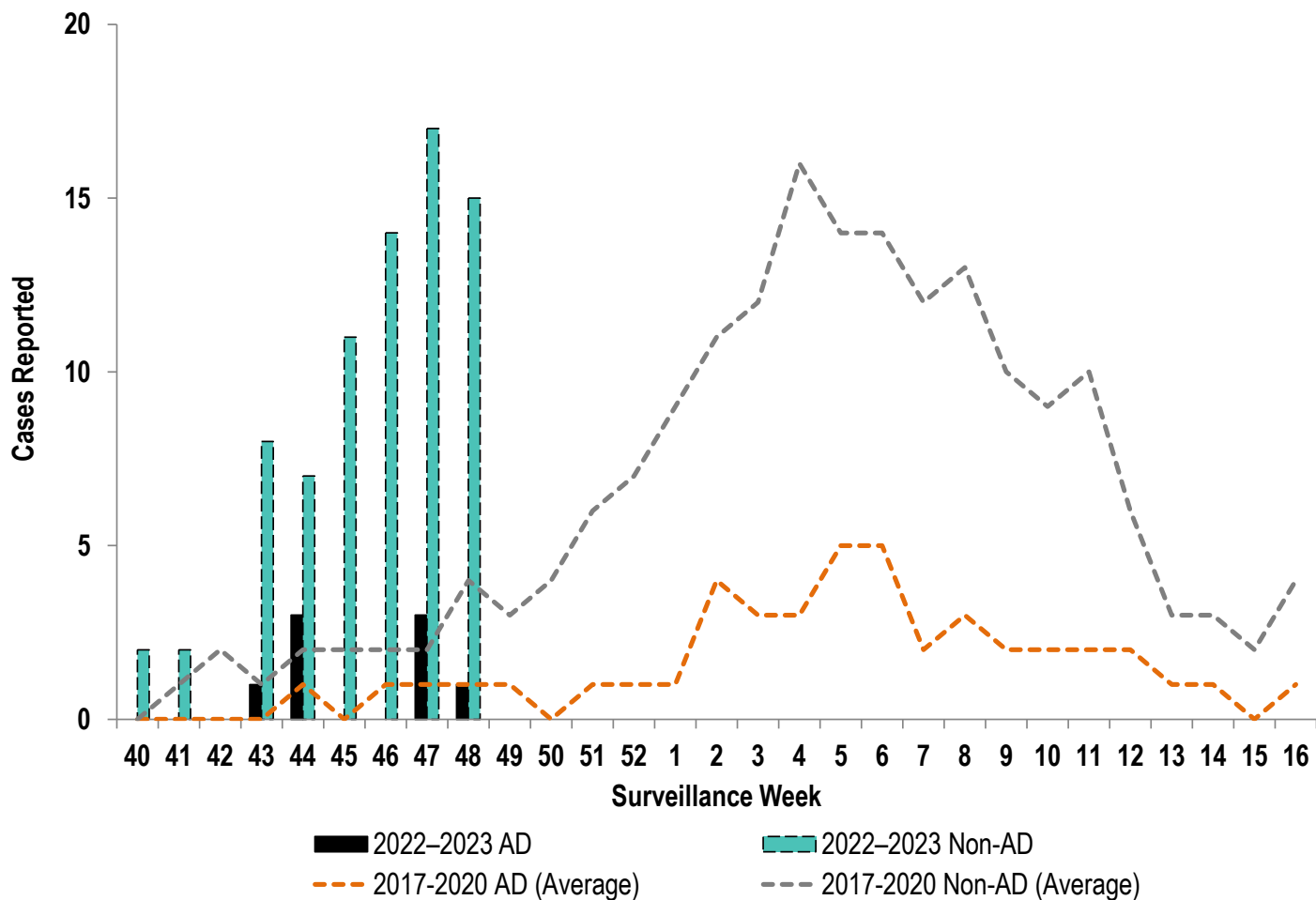
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Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 48



Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week

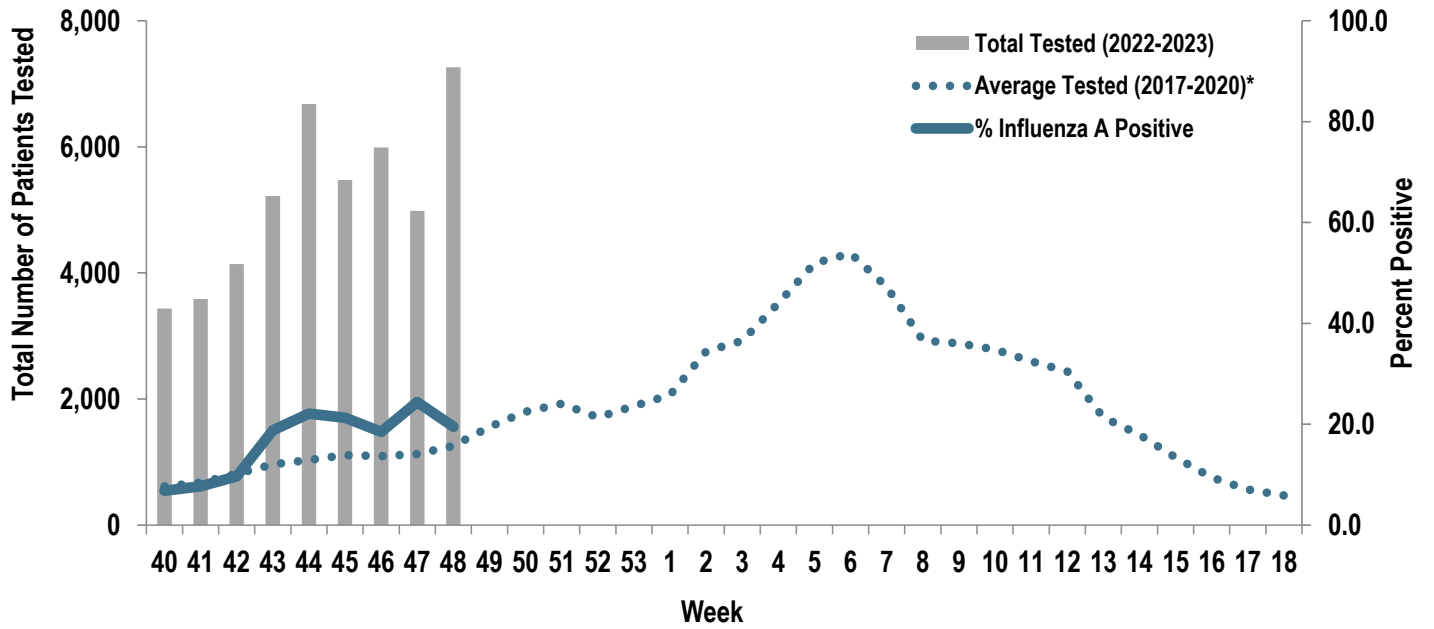


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Proportion of Positive Influenza A Specimens for U.S. Army, 2022-2023



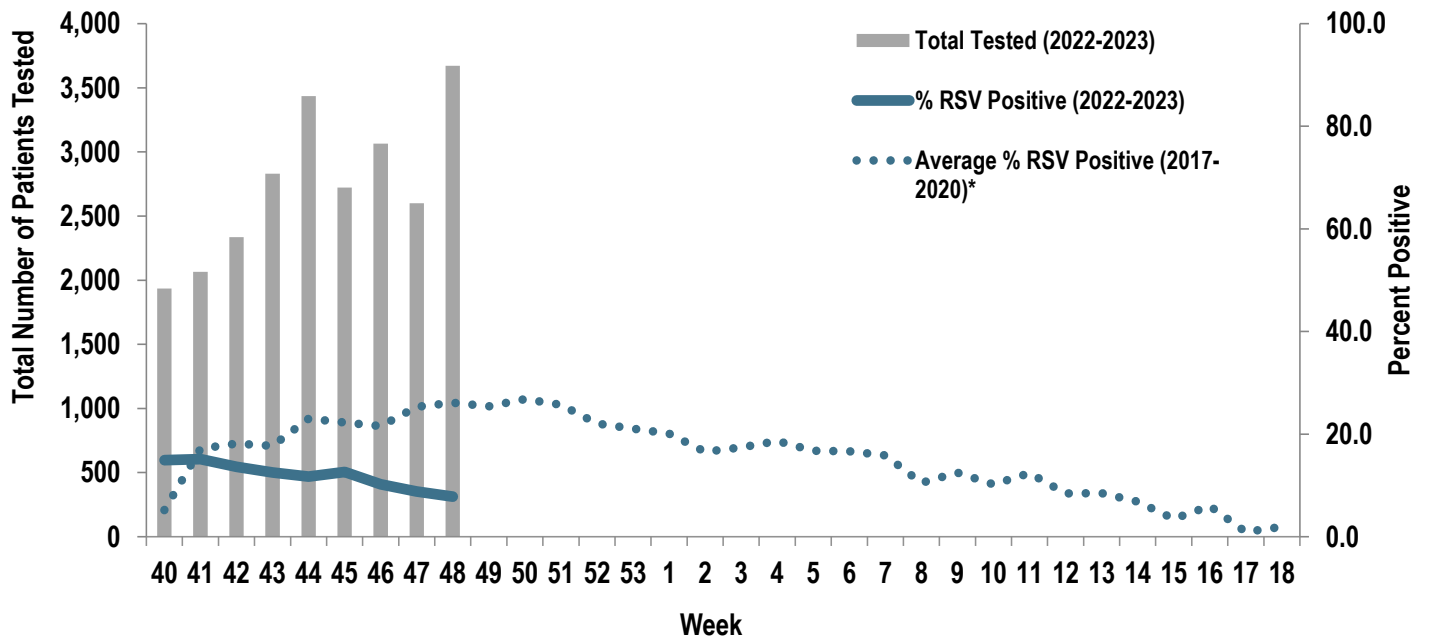
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Proportion of Positive Respiratory Syncytial Virus Specimens for U.S. Army, 2022-2023



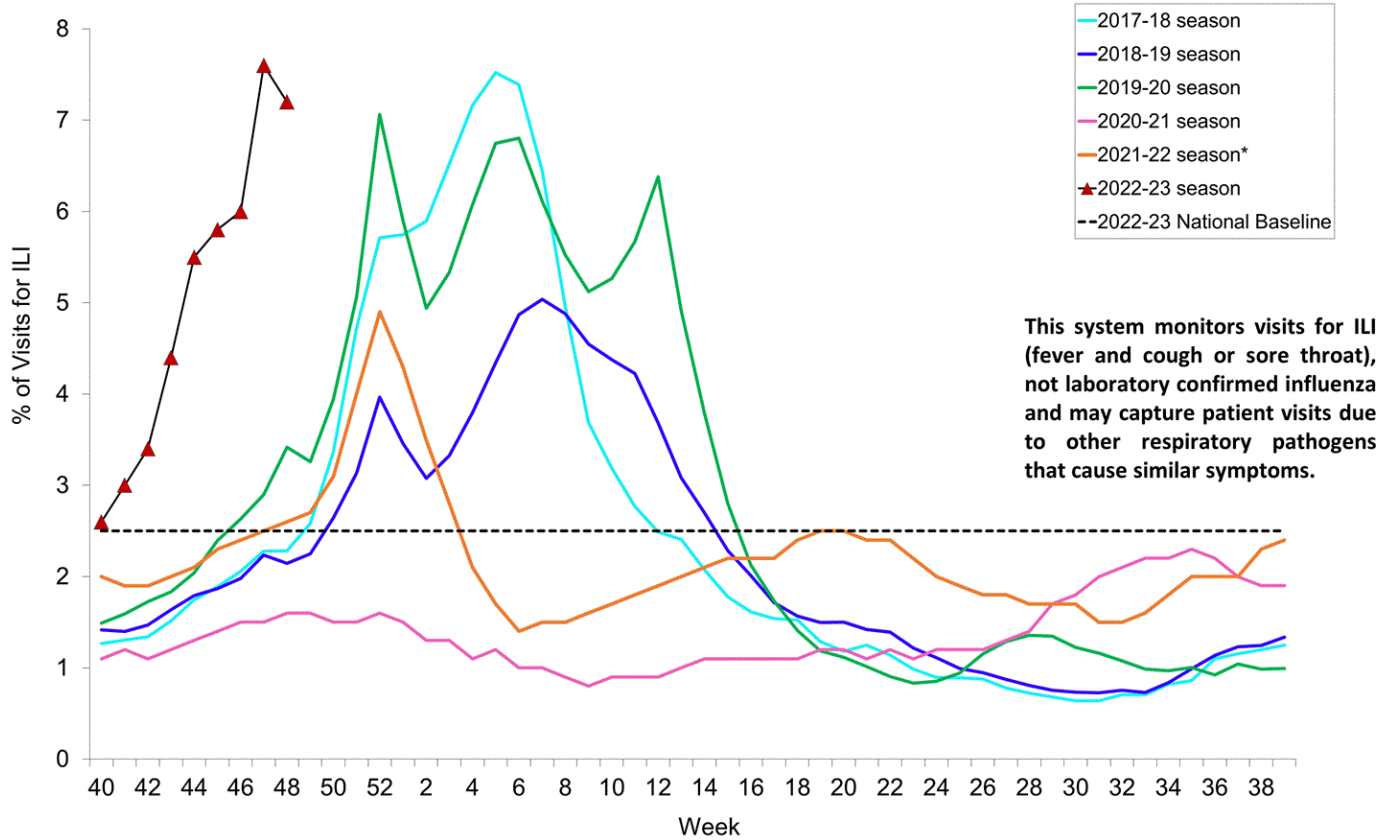
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Percentage of Outpatient Visits for Respiratory Illness Reported By The U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2022-2023* and Selected Previous Seasons



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Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, October 2, 2022 – December 3, 2022

