

U.S. Army Public Health Center

Army Influenza Activity Report

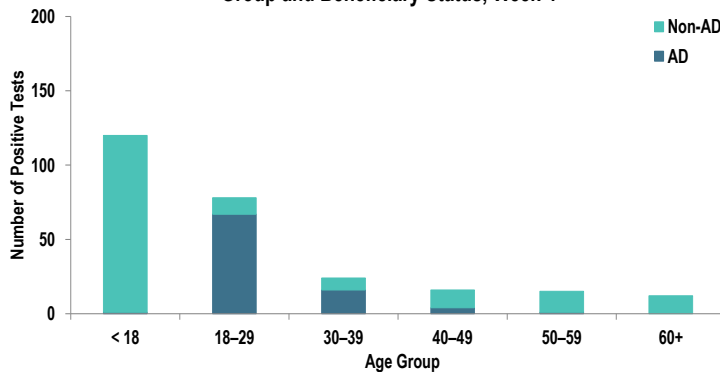
Week ending 28 January 2023 (Week 4)

SUMMARY

Influenza A activity decreased since the previous surveillance week in the Army population. One hundred and forty-four positive influenza A and seventeen influenza B specimens were reported during surveillance Week 4. No influenza-associated hospitalizations were reported in Week 4; the season total thus far is 152 hospitalizations compared to an average of 99 influenza-associated hospitalizations during the same time period during 2017–2020. Nationwide, influenza activity continues to decline, with 2.1% 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 4



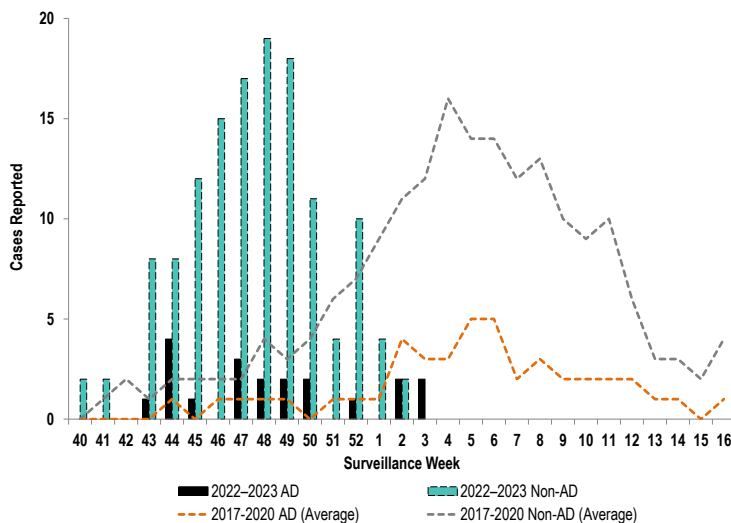
AD: Eighty-nine positive respiratory specimens were collected from active duty (AD) Service members (SMs) during Week 4; 75.3% (n=67) of the positive specimens were collected from SMs 18 – 29 years of age.

Non-AD: One hundred and seventy-six positive respiratory specimens were collected from non-AD individuals during Week 4; 67.6% (n=119) 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 4 were reported to the Disease Reporting System internet (DRSi). The season total thus far is 152 hospitalizations. The Week 4 average during the 2017–2020 seasons was 19 hospitalizations (with an average of 99 hospitalizations reported from the start of the season through Week 4).

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

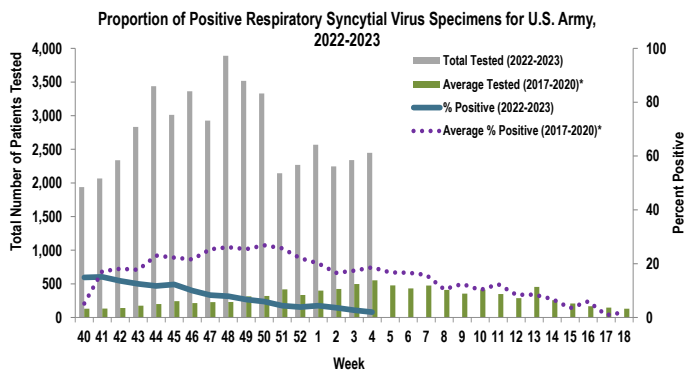
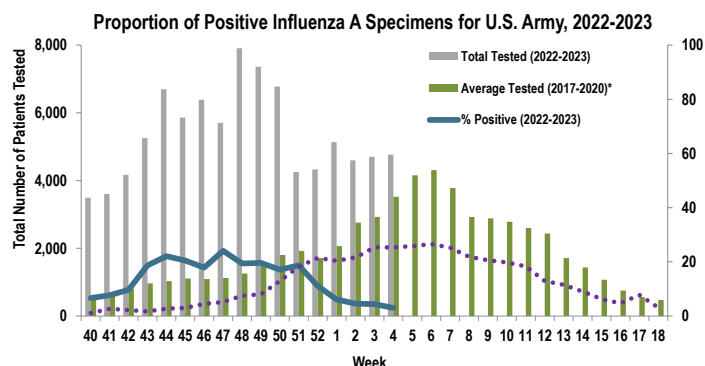
Data are preliminary and subject to change.

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

INFLUENZA A ACTIVITY - ARMY

RSV ACTIVITY - ARMY



Of the 4,763 specimens tested for influenza A during Week 4, 3.0% (n=144) were positive. This is a decrease of approximately one percentage point from Week 3 (4.4%).

Of the 2,447 specimens tested for RSV during Week 4, 2.0% (n=48) were positive. This is a decrease of almost one percentage point from Week 3 (2.7%).

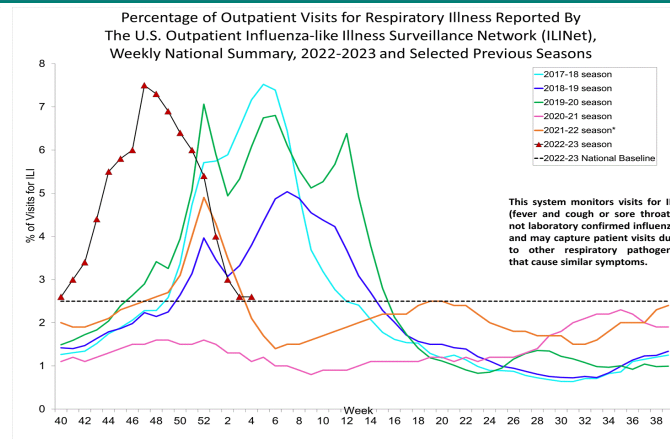
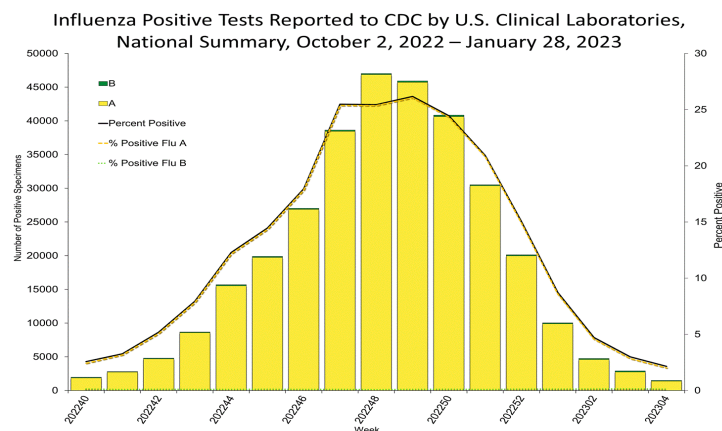
Data from the 2020–2021 and 2021–2022 influenza seasons are not included in comparison calculations due to the unusually low incidence of influenza.

		Week 1	Week 2	Week 3	Week 4	Season Total
Army MTF Laboratory Results, 2022-23	Adenovirus	22	18	17	22	312
	Enterovirus	15	20	30	27	385
	Influenza A	311	211	207	144	13,376
	Influenza B	43	37	27	17	557
	Parainfluenza	14	16	10	7	429
	RSV	113	80	64	48	3,851
	Negative	4,684	4,287	4,460	4,611	73,204
	Total	5,202	4,669	4,815	4,876	92,114

Of the 4,876 specimens tested during Week 4, 5.4% (n=265) were positive for any type of respiratory illness. Influenza A accounted for 54.3% (n=144), RSV accounted for 18.1% (n=48), enterovirus accounted for 10.2% (n=27), adenovirus accounted for 8.3% (n=22), influenza B accounted for 6.4% (n=17), and parainfluenza accounted for 2.6% (n=7). Additionally, the reported number of specimens tested increased by 1.3% from Week 3 to Week 4.

Significantly more tests for influenza have been conducted this season compared to past seasons; 90,995 specimens have been tested for influenza A so far this season compared to the average of 26,940 specimens during the same time period in 2017-2020.

INFLUENZA-LIKE ILLNESS (ILI) ACTIVITY - UNITED STATES

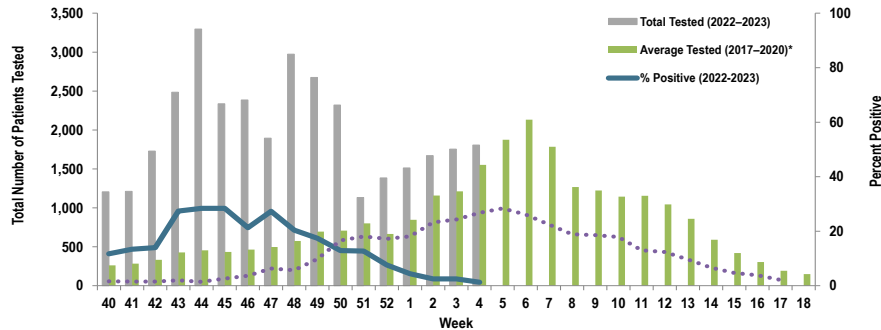


Nationwide in Week 4, incident ILI activity was 2.6%; this is above the national baseline of 2.5%. Additionally, a total of 69,223 specimens were tested for influenza by select clinical laboratories and submitted to the CDC; 1,483 (2.1%) were positive. Influenza A accounted for 94.1% (n=1,396) of the total positive specimens.

Locations providing Week 4 laboratory data as of 1 February 2023: Ft. Belvoir, Ft. Benning, Ft. Bliss, Ft. Bragg, Ft. Campbell, Camp Zama, Ft. Carson, 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, Korea, Landstuhl Regional Medical Center, Redstone Arsenal, Tripler Army Medical Center, the U.S. Military Academy, and Walter Reed National Military Medical Center.

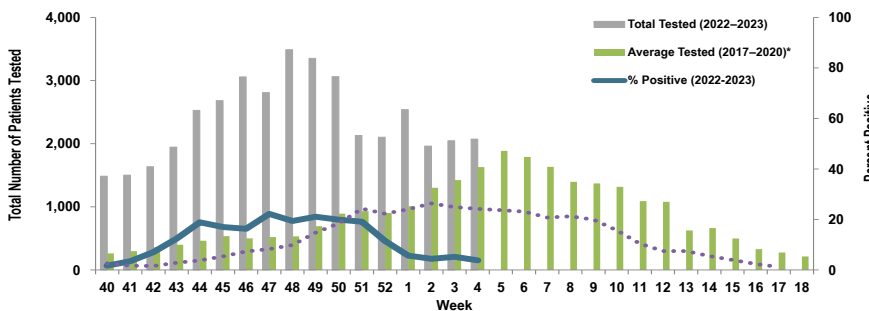
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2022–2023 as Compared to 2017–2020*

Regional Health Command - Atlantic (RHC-A)



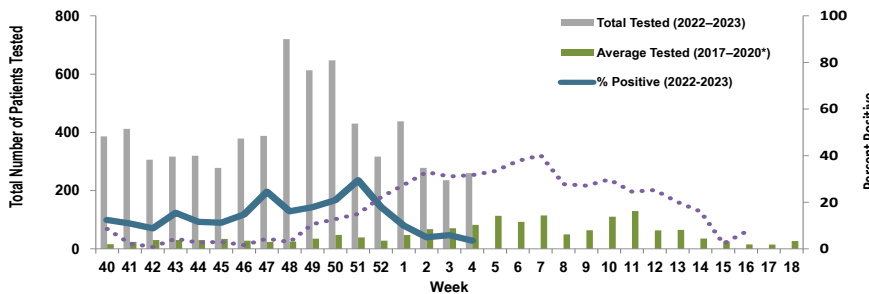
Week 4			
Age Group	AD	Non-AD	Season Total
< 18	0	11	2,875
18–29	5	1	1,208
30–39	0	0	713
40–49	0	3	350
50–59	0	2	227
60+	0	1	246
Total	5	18	5,619

Regional Health Command - Central (RHC-C)



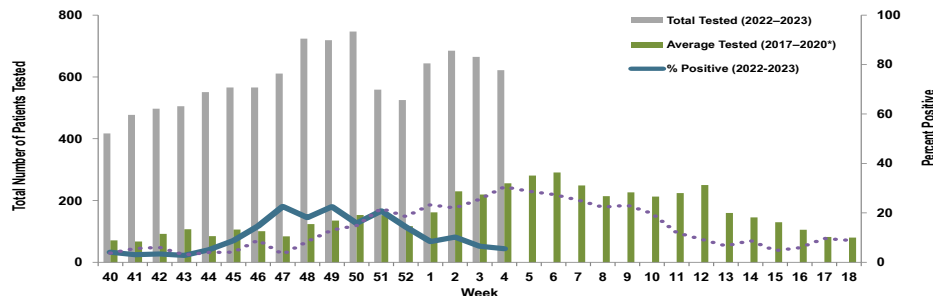
Week 4			
Age Group	AD	Non-AD	Season Total
< 18	1	13	2,733
18–29	35	6	1,242
30–39	7	0	684
40–49	0	5	343
50–59	0	4	203
60+	0	7	344
Total	43	35	5,549

Regional Health Command - Europe (RHC-E)



Week 4			
Age Group	AD	Non-AD	Season Total
< 18	0	5	566
18–29	1	0	193
30–39	0	1	143
40–49	1	1	68
50–59	0	0	21
60+	0	0	23
Total	2	7	1,014

Regional Health Command - Pacific (RHC-P)



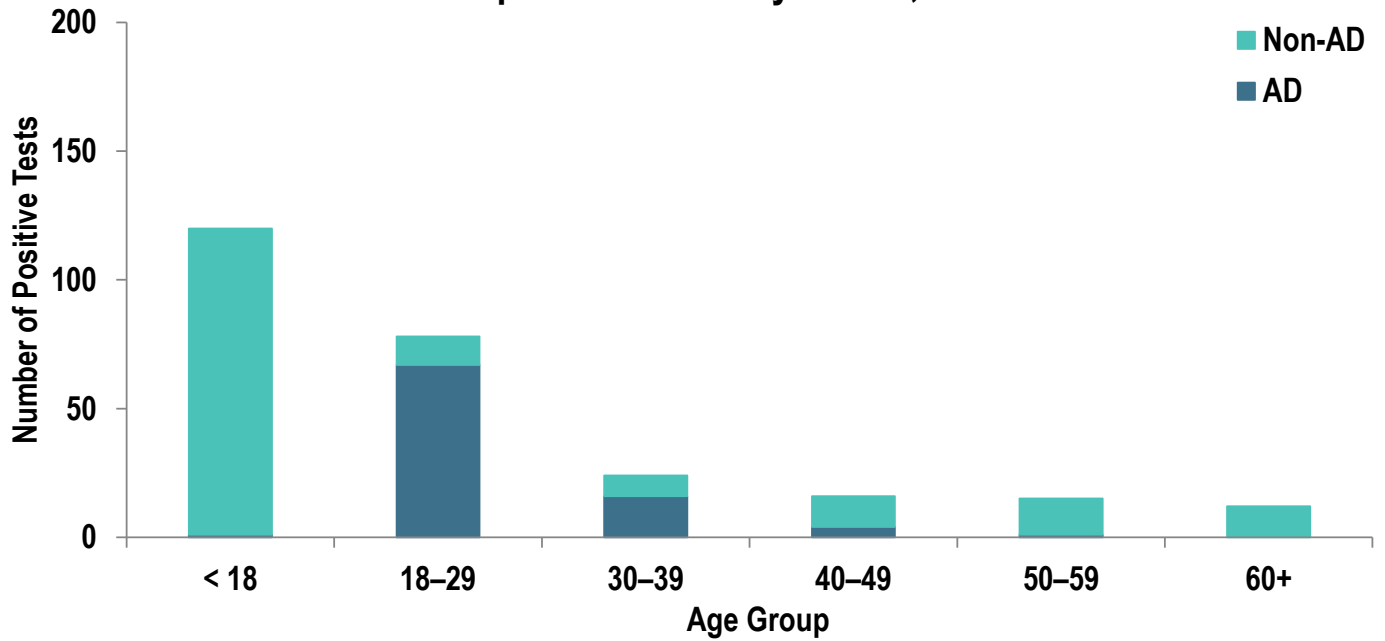
Week 4			
Age Group	AD	Non-AD	Season Total
< 18	0	9	470
18–29	11	3	298
30–39	5	3	191
40–49	0	0	74
50–59	0	1	40
60+	0	2	90
Total	16	18	1,163

*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.

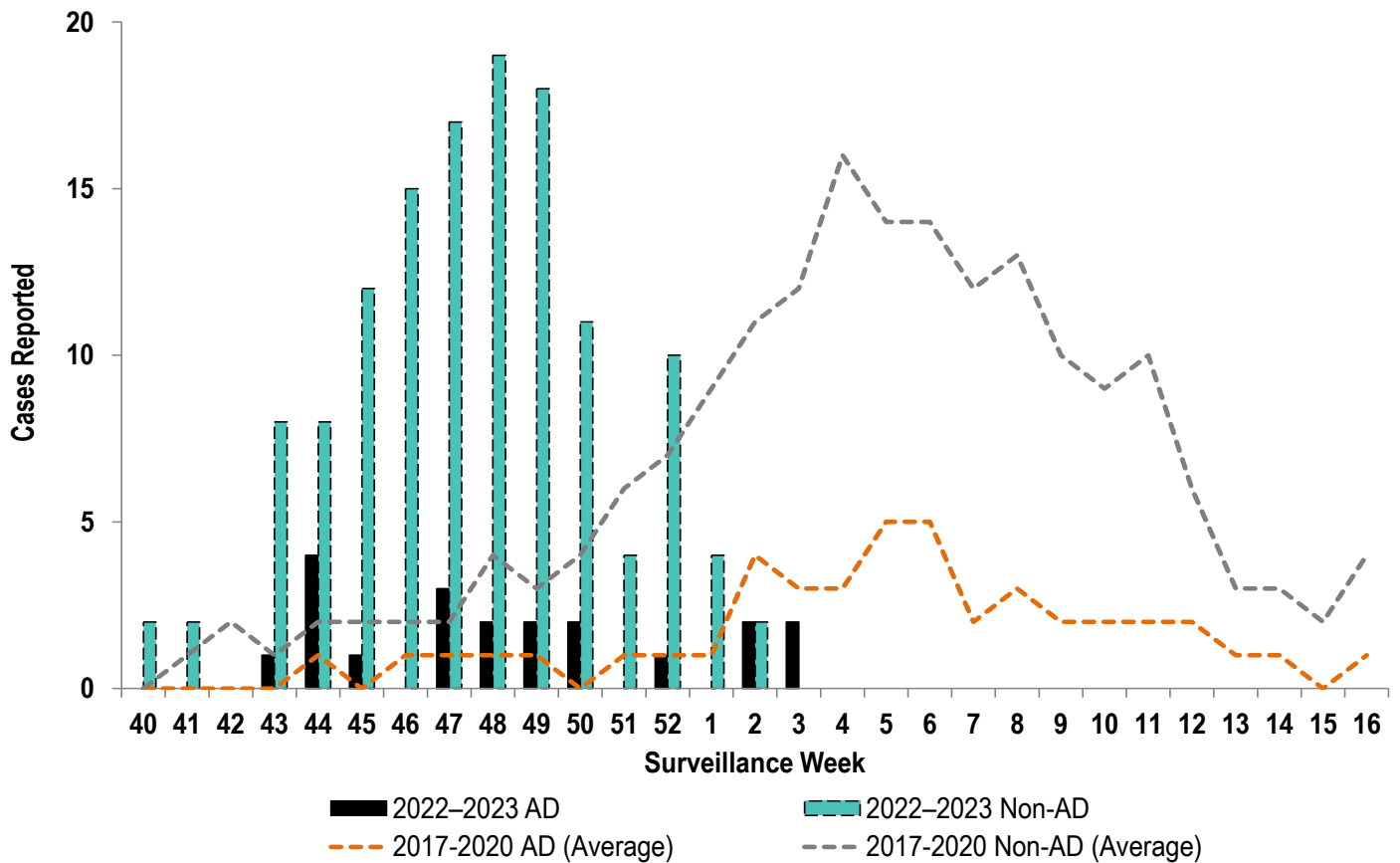
Number of Positive Influenza A Specimens by Region and Duty Status

Region	Week 1		Week 2		Week 3		Week 4	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
RHC-A	30	37	16	25	19	24	5	18
RHC-C	51	95	34	52	53	54	43	35
RHC-E	20	24	3	11	5	9	2	7
RHC-P	23	31	41	29	18	25	16	18

Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 4



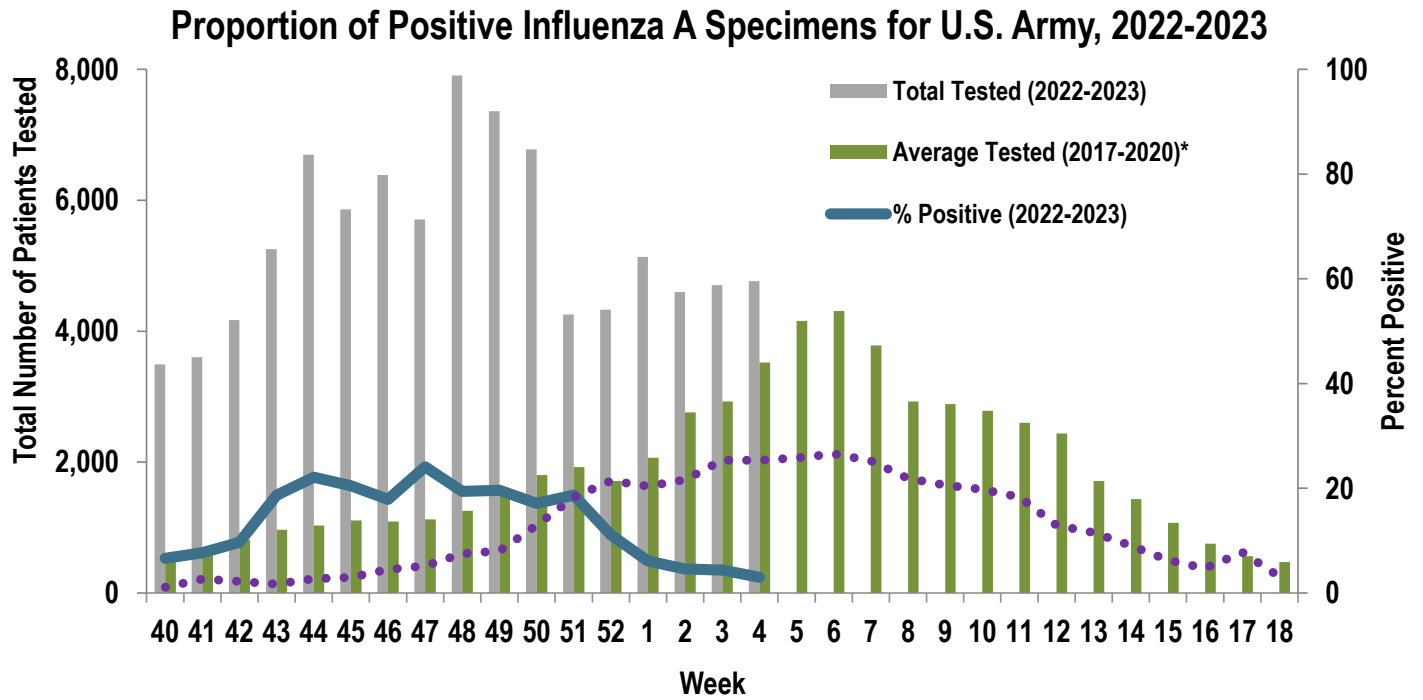
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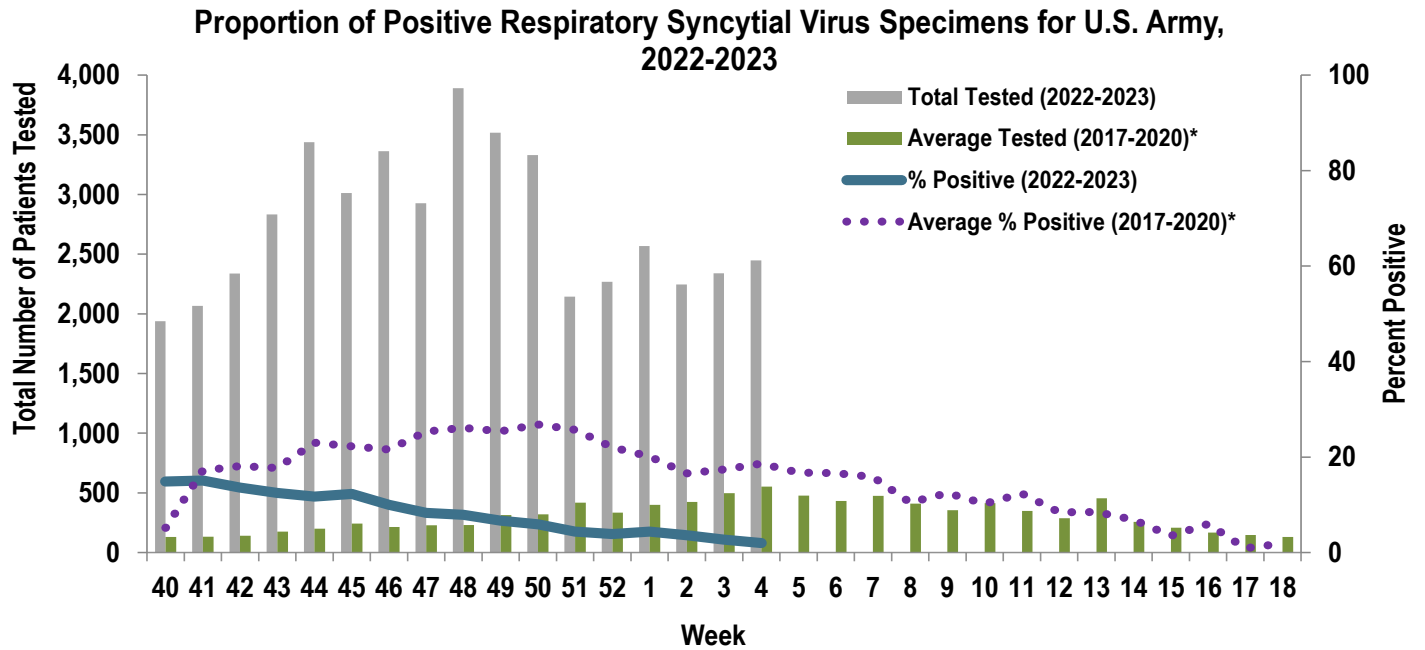


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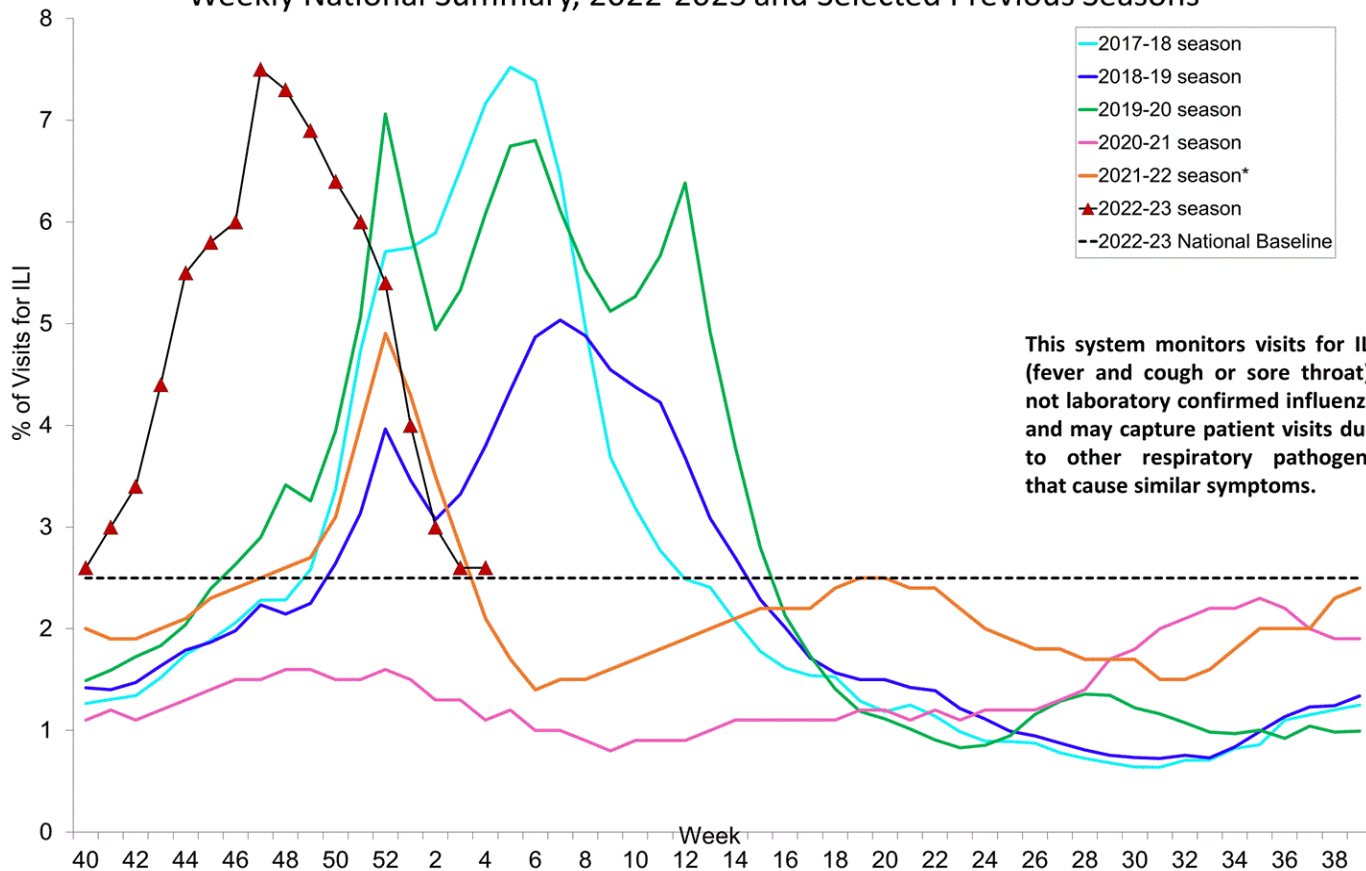
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Percentage of Outpatient Visits for Respiratory Illness Reported By The U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2022-2023 and Selected Previous Seasons



Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, October 2, 2022 – January 28, 2023

