

U.S. Army Public Health Center

Army Influenza Activity Report

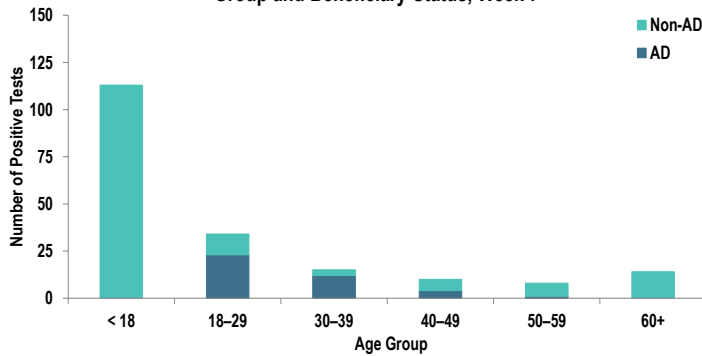
Week ending 18 February 2023 (Week 7)

SUMMARY

Influenza A activity decreased since the previous surveillance week in the Army population. Sixty-three positive influenza A and twenty-seven influenza B specimens were reported during surveillance Week 7. No influenza-associated hospitalizations were reported in Week 7; the season total thus far is 153 hospitalizations compared to an average of 146 influenza-associated hospitalizations during the same time period during 2017–2020. Nationwide, influenza activity remains stable, with 1.0% 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 7



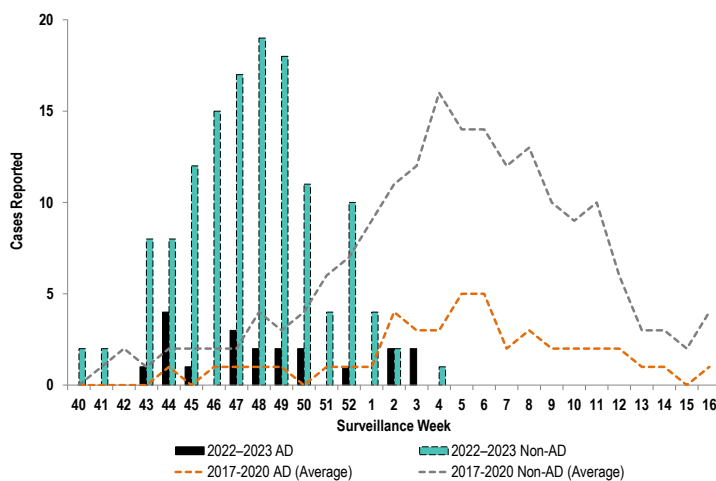
AD: Forty positive respiratory specimens were collected from active duty (AD) service members (SMs) during Week 7; 57.5% (n=23) of the positive specimens were collected from SMs 18 – 29 years of age.

Non-AD: One hundred and fifty-four positive respiratory specimens were collected from non-AD individuals during Week 7; 73.4% (n=113) 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 7 were reported to the Disease Reporting System internet (DRSi). The season total thus far is 153 hospitalizations. The Week 7 average during the 2017–2020 seasons was 16 hospitalizations (with an average of 146 hospitalizations reported from the start of the season through Week 7).

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

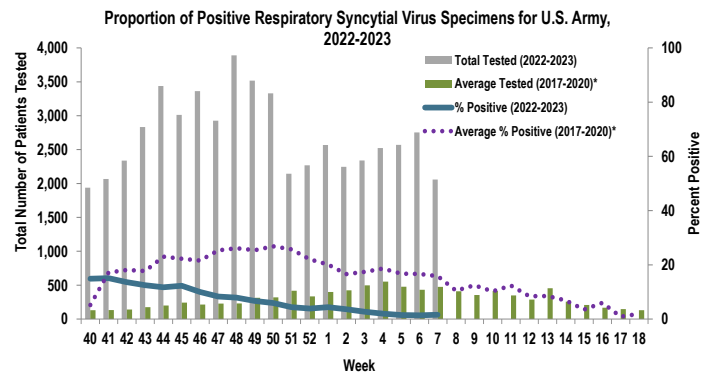
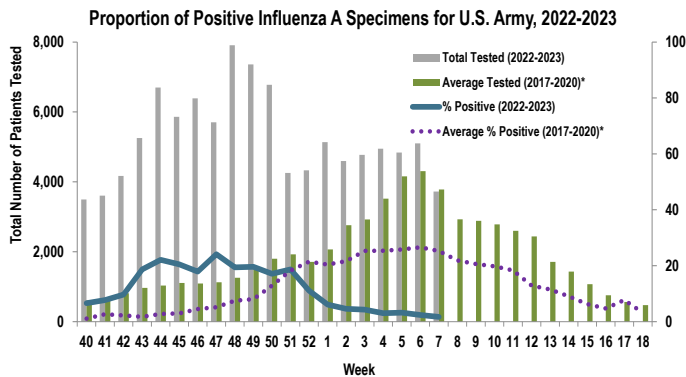
Data are preliminary and subject to change.

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

INFLUENZA A ACTIVITY - ARMY

RSV ACTIVITY - ARMY



Of the 3,723 specimens tested for influenza A during Week 7, 1.7% (n=63) were positive. This is a decrease from Week 6 (2.4%).

Of the 2,058 specimens tested for RSV during Week 7, 1.6% (n=33) were positive. This is a slight increase from Week 6 (1.4%).

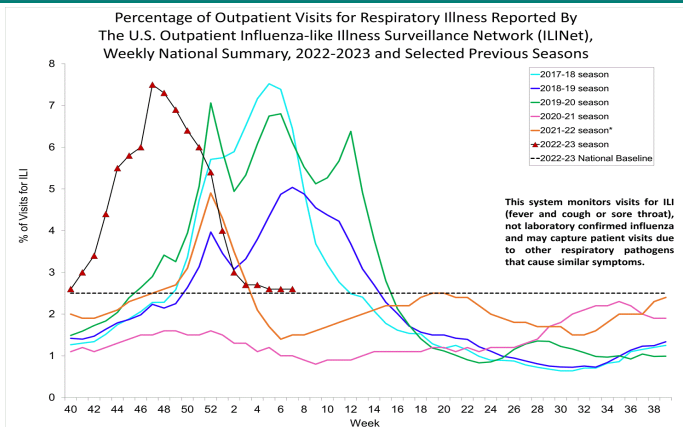
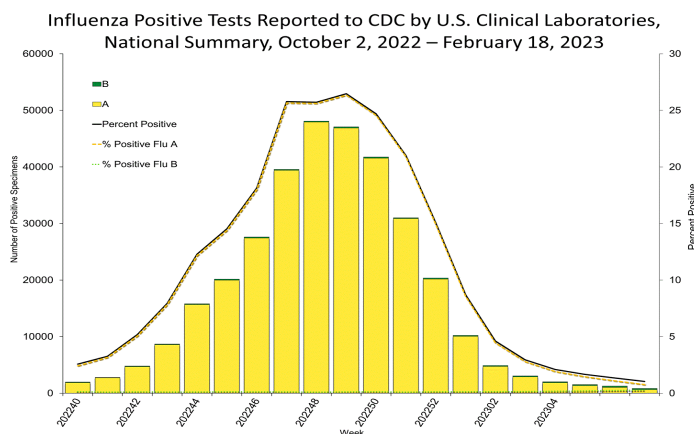
Data from the 2020–2021 and 2021–2022 influenza seasons are not included in comparison calculations due to the unusually low incidence of influenza.

		Week 4	Week 5	Week 6	Week 7	Season Total
Army MTF Laboratory Results, 2022-23	Adenovirus	23	21	29	24	387
	Enterovirus	27	46	29	29	489
	Influenza A	150	153	121	63	13,719
	Influenza B	18	29	28	27	642
	Parainfluenza	7	17	22	18	486
	RSV	50	39	39	33	3,964
	Negative	4,795	4,649	4,921	3,628	86,657
	Total	5,070	4,954	5,189	3,822	106,344

Of the 3,822 specimens tested during Week 7, 5.1% (n=194) were positive for any type of respiratory illness. Influenza A accounted for 32.5% (n=63), RSV accounted for 17.0% (n=33), enterovirus accounted for 14.9% (n=29), influenza B accounted for 13.9% (n=27), adenovirus accounted for 12.4% (n=24), and parainfluenza accounted for 9.3% (n=18). Additionally, the reported number of specimens tested decreased by 26.3% from Week 6 to Week 7.

Significantly more tests for influenza have been conducted this season compared to past seasons; 104,912 specimens have been tested for influenza A so far this season compared to the average of 39,185 specimens during the same time period in 2017-2020.

INFLUENZA-LIKE ILLNESS (ILI) ACTIVITY - UNITED STATES

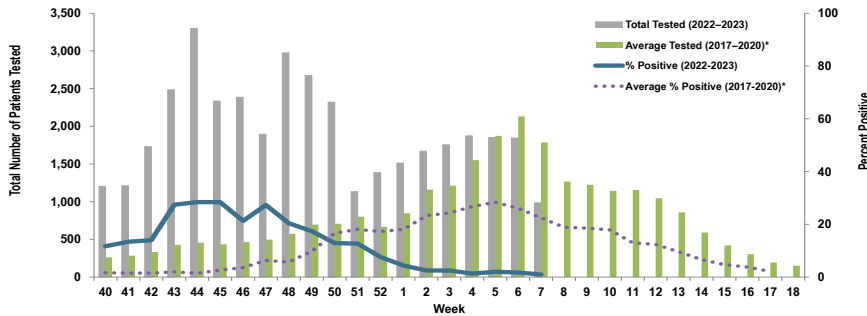


Nationwide in Week 7, incident ILI activity was 2.6%; this is above the national baseline of 2.5%. Additionally, a total of 80,331 specimens were tested for influenza by select clinical laboratories and submitted to the CDC; 833 (1.0%) were positive. Influenza A accounted for 74.2% (n=618) of the total positive specimens.

Locations providing Week 7 laboratory data as of 22 February 2023: Carlisle Barracks, Ft. Belvoir, Ft. Bliss, Ft. Campbell, Camp Zama, 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, Korea, Landstuhl Regional, Medical Center, Redstone Arsenal, Tripler Army Medical Center, U.S. Military Academy, and Walter Reed National Military Medical Center.

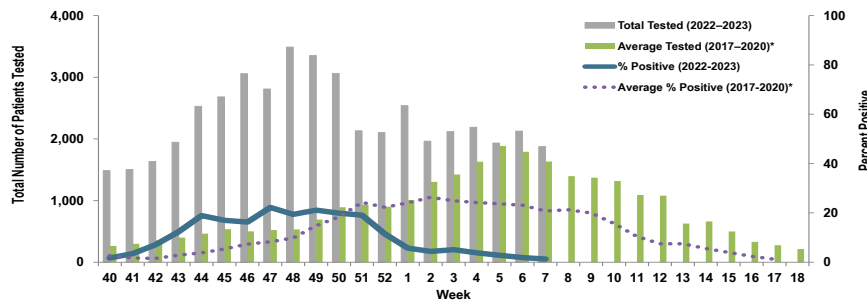
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2022–2023 as Compared to 2017–2020*

Regional Health Command - Atlantic (RHC-A)



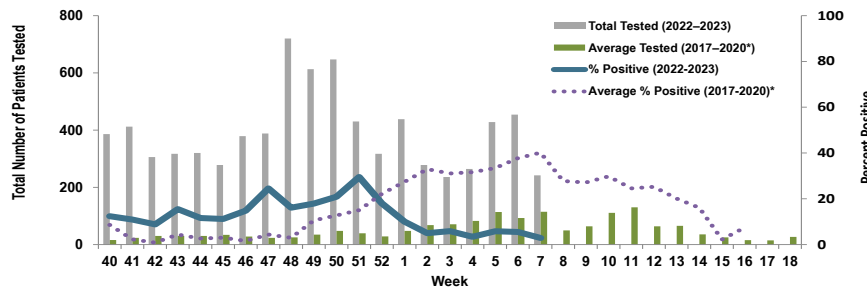
Week 7			
Age Group	AD	Non-AD	Season Total
< 18	0	4	2,895
18–29	1	1	1,234
30–39	1	1	727
40–49	0	0	356
50–59	0	2	238
60+	0	0	248
Total	2	8	5,698

Regional Health Command - Central (RHC-C)



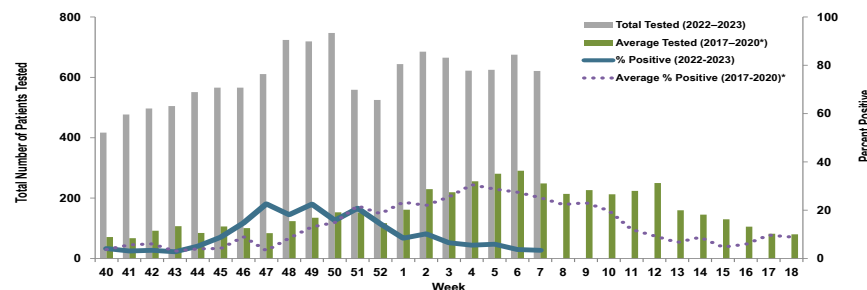
Week 7			
Age Group	AD	Non-AD	Season Total
< 18	0	8	2,768
18–29	6	6	1,294
30–39	1	1	704
40–49	1	1	350
50–59	0	0	206
60+	0	1	351
Total	8	17	5,673

Regional Health Command - Europe (RHC-E)



Week 7			
Age Group	AD	Non-AD	Season Total
< 18	0	4	593
18–29	1	1	202
30–39	0	0	153
40–49	0	1	76
50–59	0	0	23
60+	0	0	24
Total	1	6	1,071

Regional Health Command - Pacific (RHC-P)



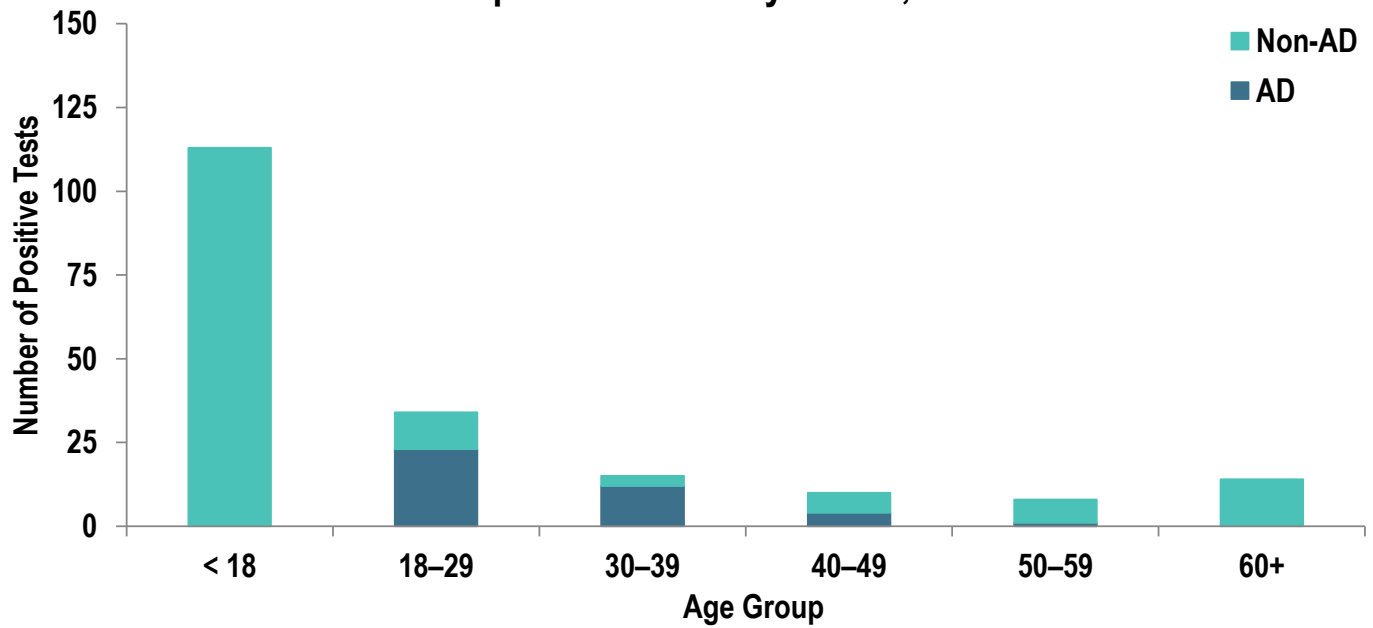
Week 7			
Age Group	AD	Non-AD	Season Total
< 18	0	9	502
18–29	3	0	323
30–39	5	0	209
40–49	3	1	80
50–59	0	0	41
60+	0	0	91
Total	11	10	1,246

*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.

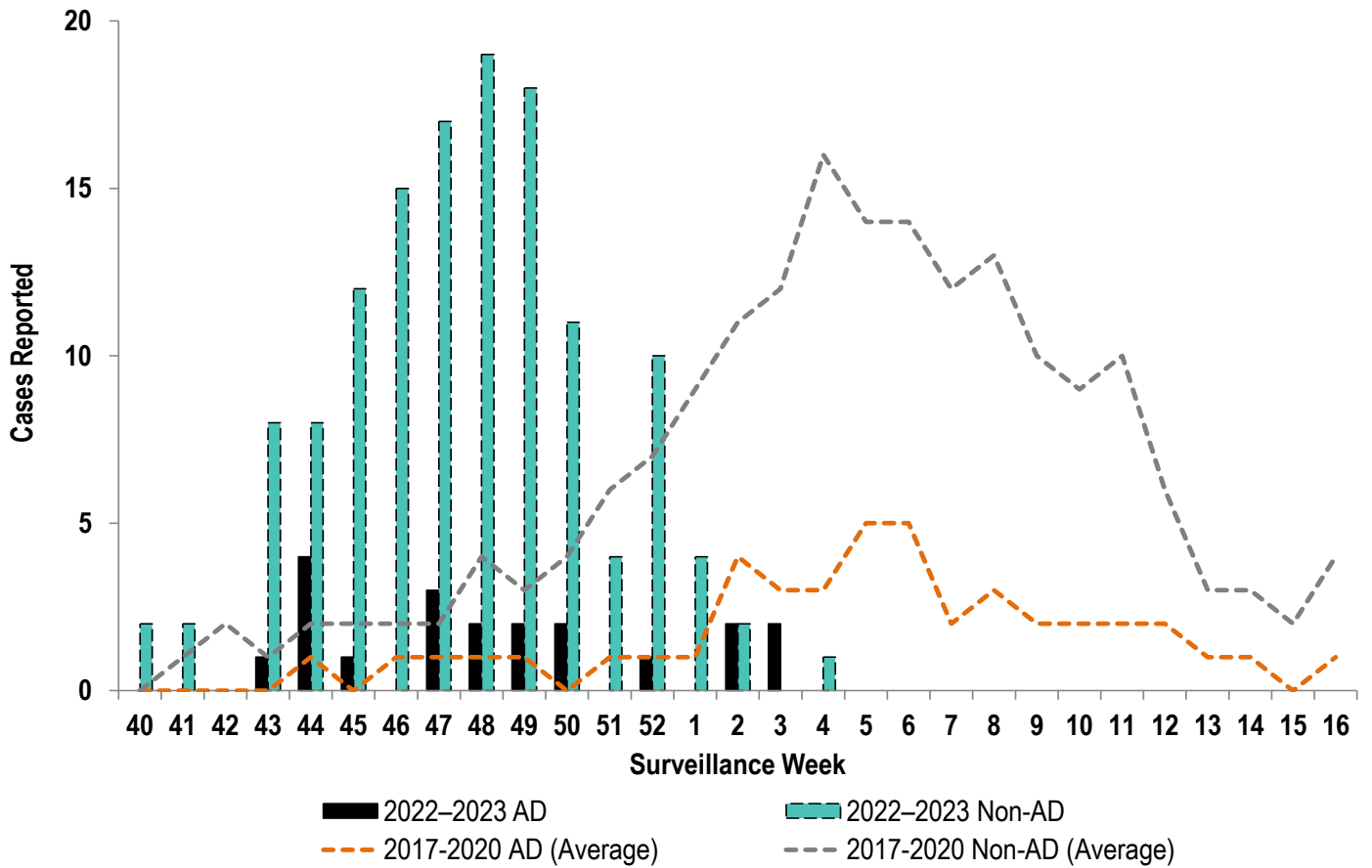
Number of Positive Influenza A Specimens by Region and Duty Status

Region	Week 4		Week 5		Week 6		Week 7	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
RHC-A	5	19	21	16	11	20	2	8
RHC-C	48	35	19	35	16	24	8	17
RHC-E	2	7	9	16	9	16	1	6
RHC-P	16	18	18	19	8	17	11	10

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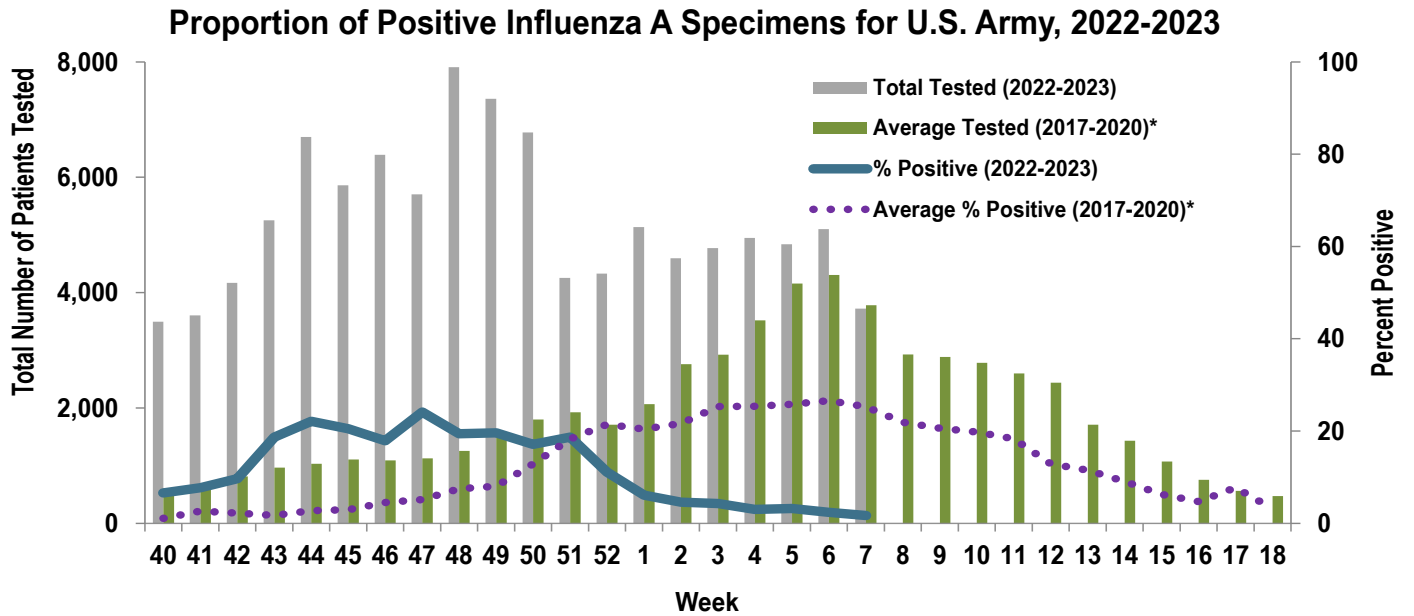
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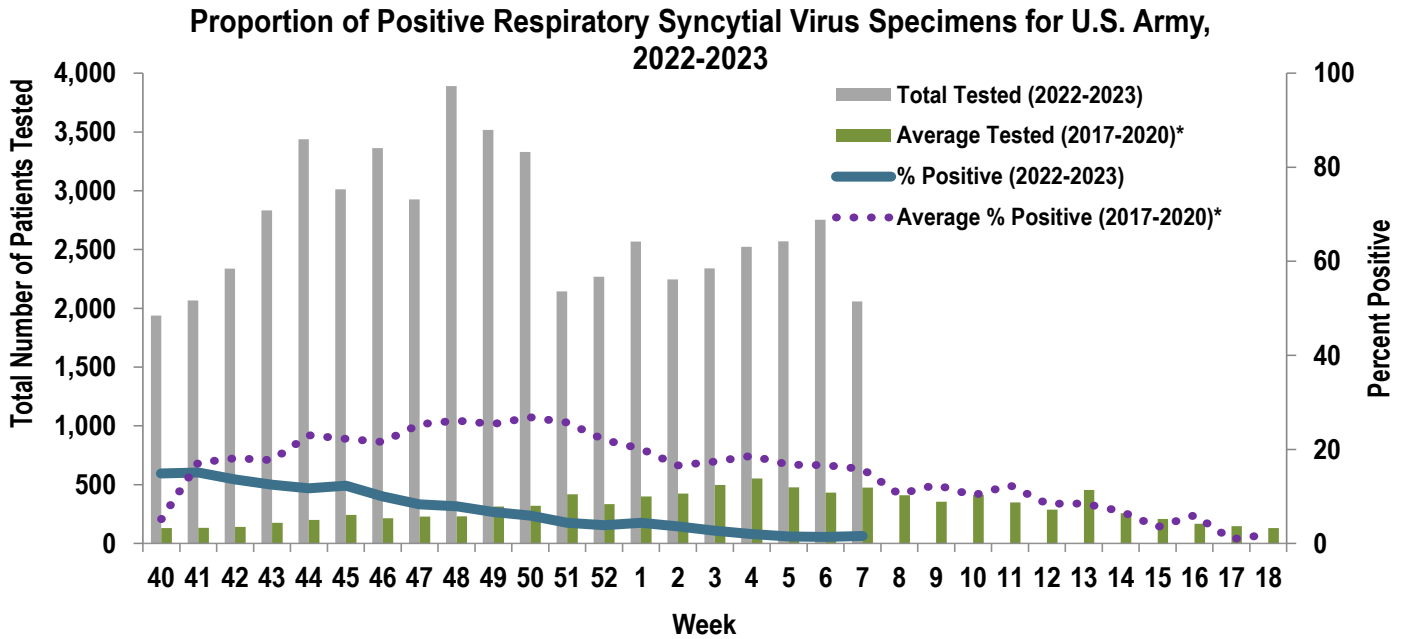


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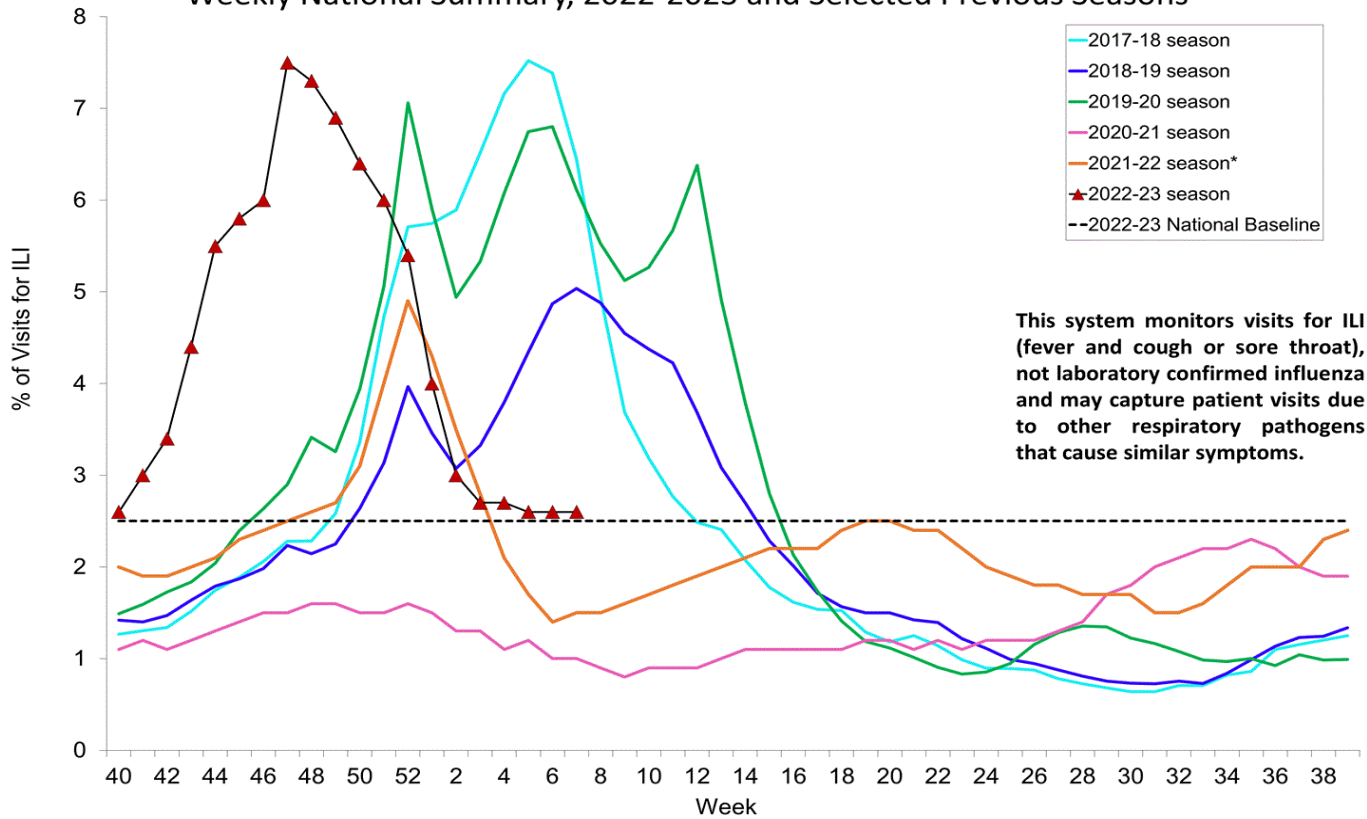
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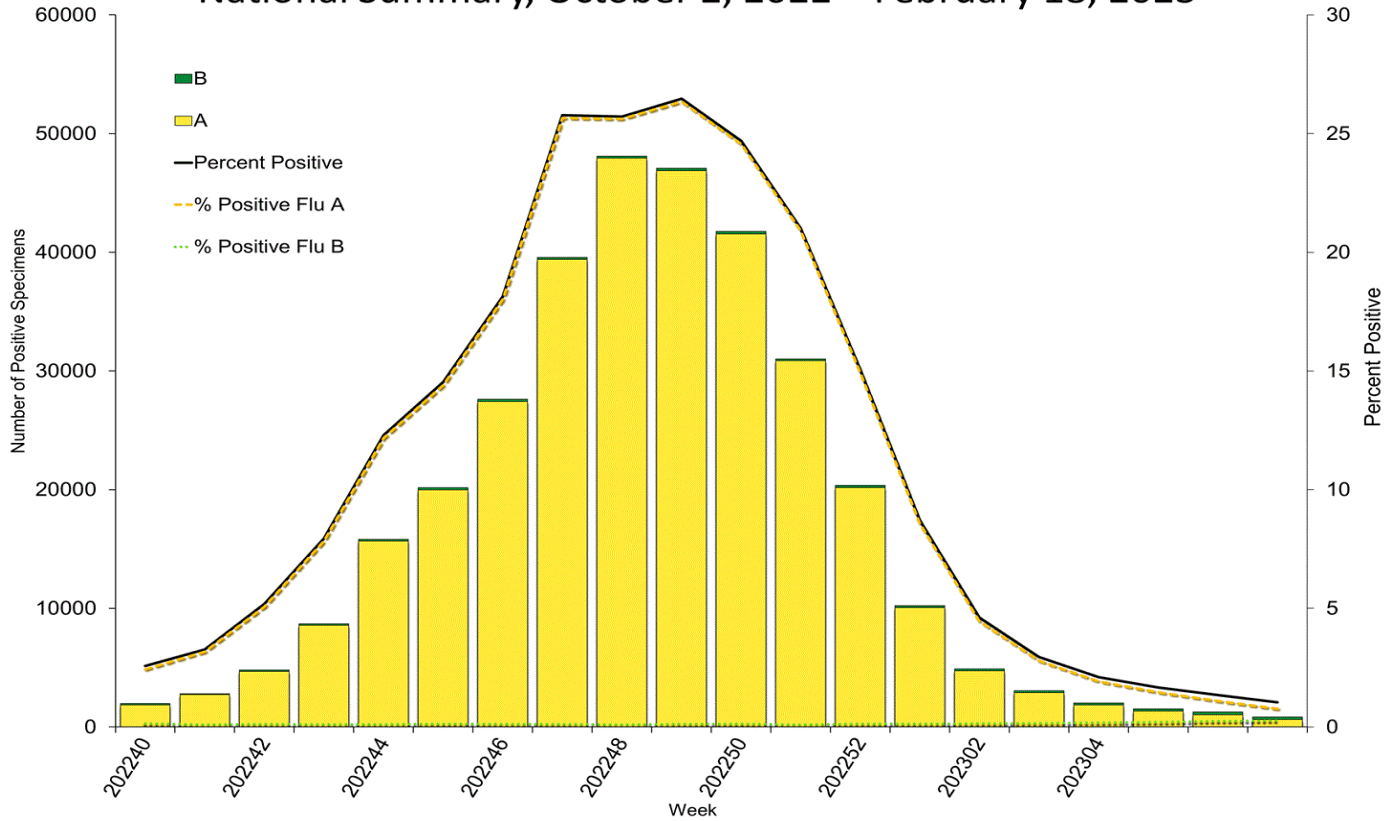
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Percentage of Outpatient Visits for Respiratory Illness Reported By The U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2022-2023 and Selected Previous Seasons



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Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, October 2, 2022 – February 18, 2023



Source: Centers for Disease Control and Prevention (CDC)