U.S. Army Public Health Center

Army Influenza Activity Report

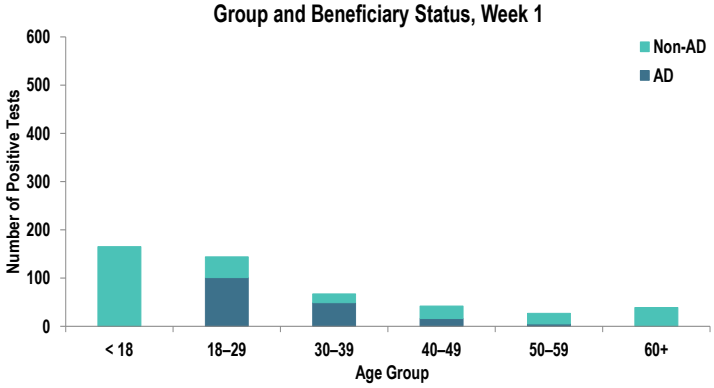
Week ending 7 January 2023 (Week 1)

SUMMARY

Influenza-like illness activity among Army beneficiaries is still decreasing. Two hundred and ninety-one positive influenza A and forty-one influenza B specimens were reported during surveillance Week 1. Additionally, 3 influenza-associated hospitalizations were reported in Week 1; the season total thus far is 145 hospitalizations compared to an average of 53 influenza-associated hospitalizations during the same time period during 2017–2020. Nationwide, influenza activity remains high but continues to decline in most areas, with 8.6% of specimens tested by clinical laboratories being positive for influenza A or B, according to the Centers for Disease Control and Prevention (CDC). Practicing preventive measures daily will help slow down the spread of germs; therefore, reducing the spread of the flu. Preventive measures include washing your hands, disinfecting touched surfaces, getting plenty of sleep, and eating nutritious food.

DEMOGRAPHICS

Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 1



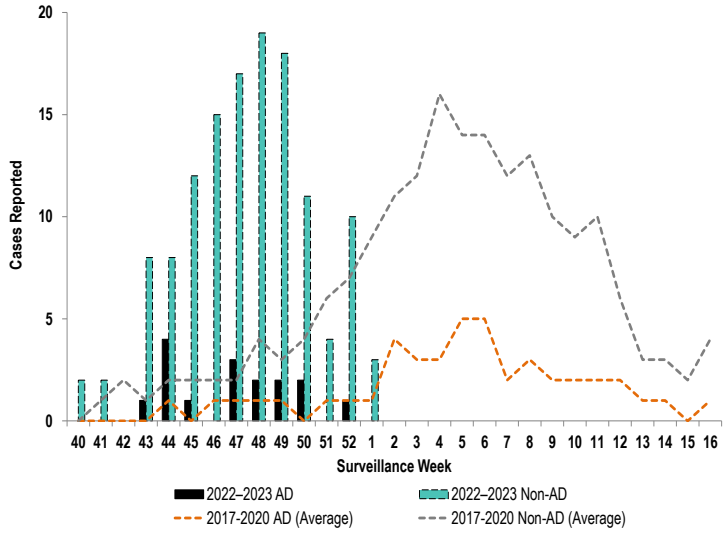
AD: One hundred and seventy-one positive respiratory specimens were collected from AD Service members (SMs) during Week 1; 59.1% (n=101) of the positive specimens were collected from SMs 18 – 29 years of age.

Non-AD: Three hundred and thirteen positive respiratory specimens were collected from non-AD individuals during Week 1; 52.7% (n=165) 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



Three influenza-associated hospitalizations among non-AD individuals with an onset date in Week 1 were reported to the Disease Reporting System internet (DRSi). The season total thus far is 145 hospitalizations. The Week 1 average during the 2017–2020 seasons was 10 hospitalizations (with an average of 53 hospitalizations reported from the start of the season through Week 1).

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

Data are preliminary and subject to change.

Questions?
Email APHC DEP

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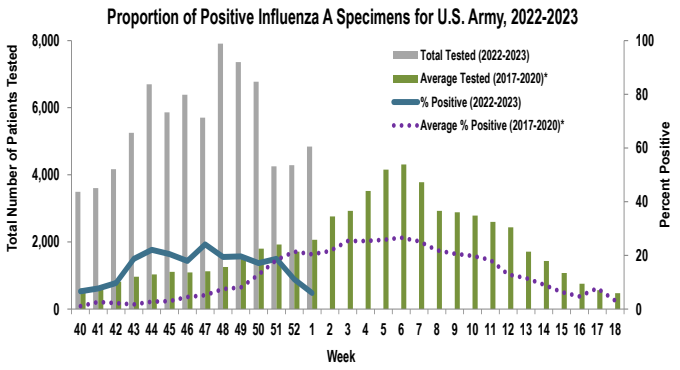
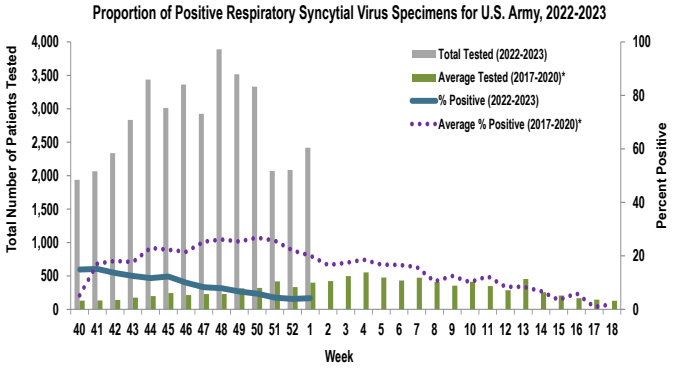
INFLUENZA A ACTIVITY - ARMY



Of the 4,843 specimens tested for influenza A during Week 1, 6.0% (n=291) were positive. This is a decrease of approximately five percentage points from Week 52 (11.1%).

RSV ACTIVITY - ARMY



Of the 2,418 specimens tested for RSV during Week 1, 4.2% (n=102) were positive. This is a slight increase from Week 52 (3.9%).

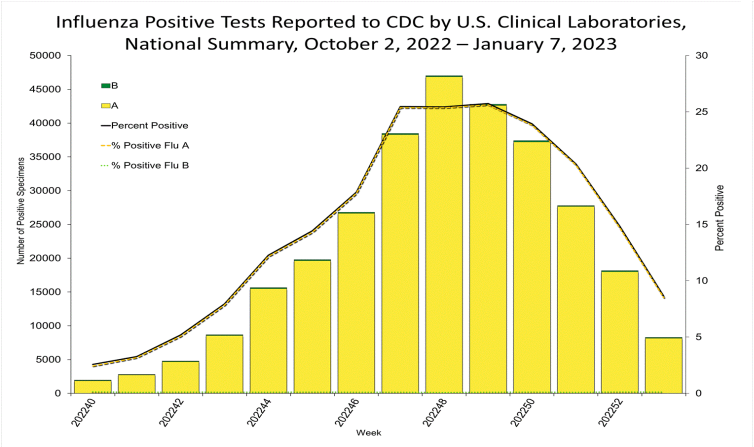
Data from the 2020–2021 and 2021–2022 influenza seasons are not included in comparison calculations due to the unusually low incidence of influenza.

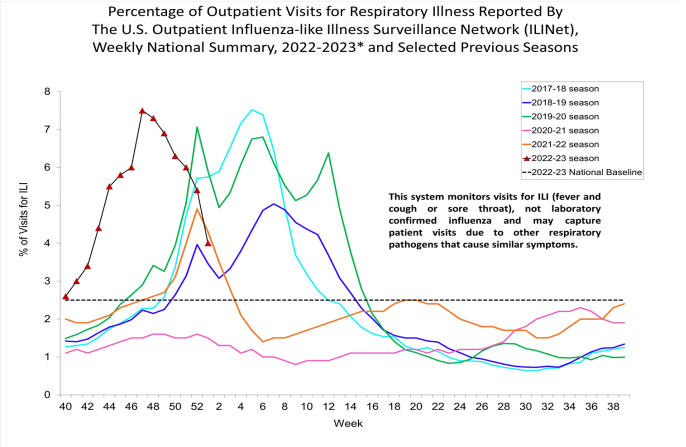
		Week 50	Week 51	Week 52	Week 1	Season Total
Army MTF Laboratory Results, 2022-23	Adenovirus	29	15	18	22	255
	Enterovirus	37	22	23	15	308
	Influenza A	1,162	795	475	291	12,790
	Influenza B	59	18	17	41	473
	Parainfluenza	22	11	25	13	395
	RSV	195	94	88	102	3,648
	Negative	5,409	3,355	3,705	4,430	59,551
	Total	**6,913**	**4,310**	**4,351**	**4,914**	**77,420**

Of the 4,914 specimens tested during Week 1, 9.8% (n=484) were positive for any type of respiratory illness. Influenza A accounted for 60.1% (n=291), RSV accounted for 21.1% (n=102), influenza B accounted for 8.5% (n=41), adenovirus accounted for 4.5% (n=22), enterovirus accounted for 3.1% (n=15), and parainfluenza accounted for 2.7% (n=13). Additionally, the reported number of specimens tested increased by 12.9% from Week 52 to Week 1.

Significantly more tests for influenza have been conducted this season compared to past seasons; 76,596 specimens have been tested for influenza A so far this season compared to the average of 17,735 specimens during the same time period in 2017-2020.

INFLUENZA-LIKE ILLNESS (ILI) ACTIVITY - UNITED STATES





Nationwide in Week 1, incident ILI activity was 4.0%; this is above the national baseline of 2.5%. Additionally, a total of 96,123 specimens were tested for influenza by select clinical laboratories and submitted to the CDC; 8,281 (8.6%) were positive. Influenza A accounted for 98.6% (n=8,169) of the total positive specimens.

Locations providing Week 1 laboratory data as of 11 January 2023: Korea, Carlisle Barracks, Ft. Belvoir, Ft. Benning, Ft. Bliss, Ft. Bragg, 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, Landstuhl Regional Medical Center, Redstone Arsenal, Tripler Army Medical Center, the U.S. Military Academy, and Walter Reed National Military Medical Center.

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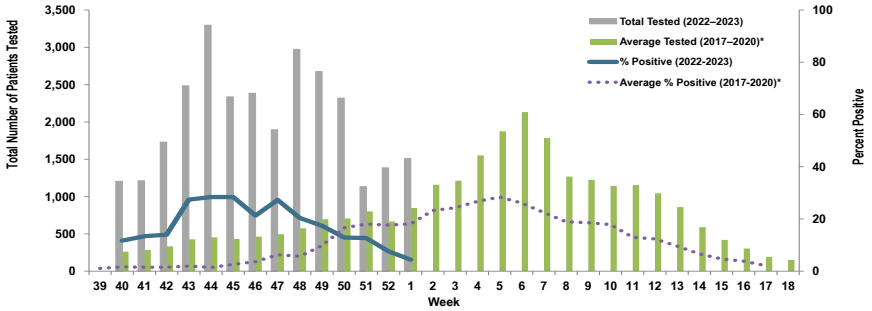
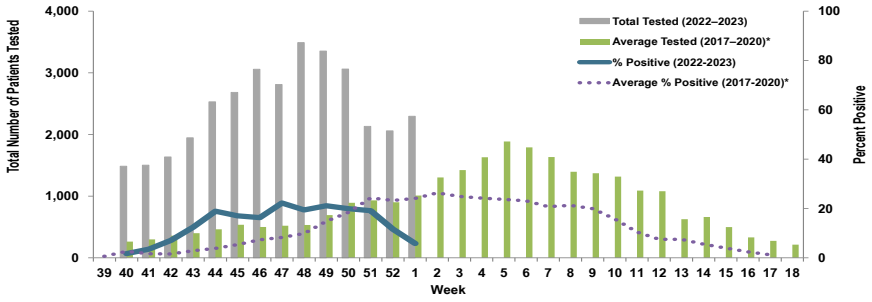
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2022–2023 as Compared to 2017–2020*

Regional Health Command - Atlantic (RHC-A)



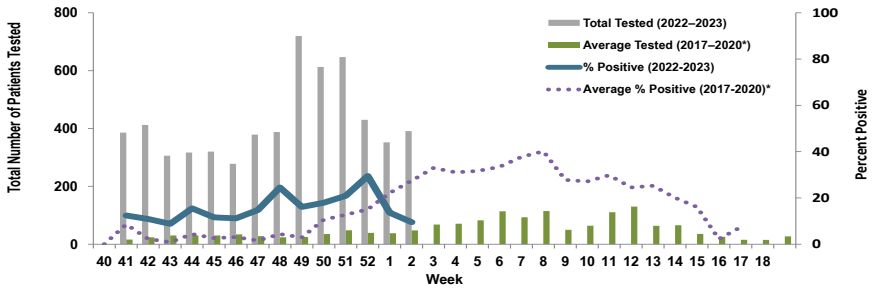
Week 1			
Age Group	AD	Non-AD	Season Total
< 18	0	15	**2,842**
18–29	18	2	**1,181**
30–39	7	2	**699**
40–49	3	5	**341**
50–59	2	8	**214**
60+	0	5	**235**
Total	**30**	**37**	**5,512**

Regional Health Command - Central (RHC-C)



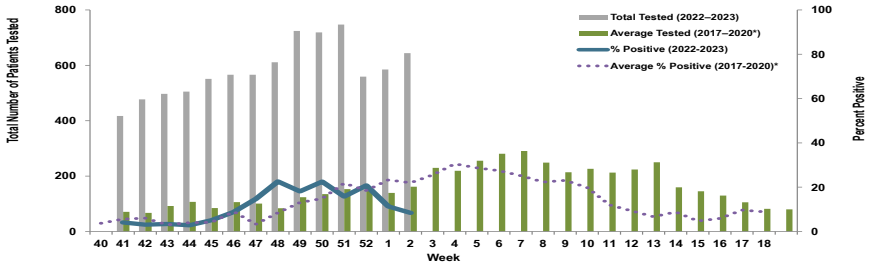
Week 1			
Age Group	AD	Non-AD	Season Total
< 18	0	24	**2,649**
18–29	32	25	**1,124**
30–39	8	9	**642**
40–49	7	8	**326**
50–59	1	4	**191**
60+	0	15	**329**
Total	**48**	**85**	**5,261**

Regional Health Command - Europe (RHC-E)



Week 1			
Age Group	AD	Non-AD	Season Total
< 18	0	14	**547**
18–29	9	2	**185**
30–39	6	2	**137**
40–49	0	2	**62**
50–59	1	1	**19**
60+	0	0	**20**
Total	**16**	**21**	**970**

Regional Health Command - Pacific (RHC-P)



Week 1			
Age Group	AD	Non-AD	Season Total
< 18	0	19	**421**
18–29	12	3	**243**
30–39	10	0	**165**
40–49	1	3	**67**
50–59	0	3	**36**
60+	0	3	**84**
Total	**23**	**31**	**1,016**

**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 50		Week 51		Week 52		Week 1	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
RHC-A	82	217	35	109	32	73	30	37
RHC-C	129	481	70	338	48	190	48	85
RHC-E	36	99	37	90	18	39	16	21
RHC-P	44	74	36	80	19	56	23	31

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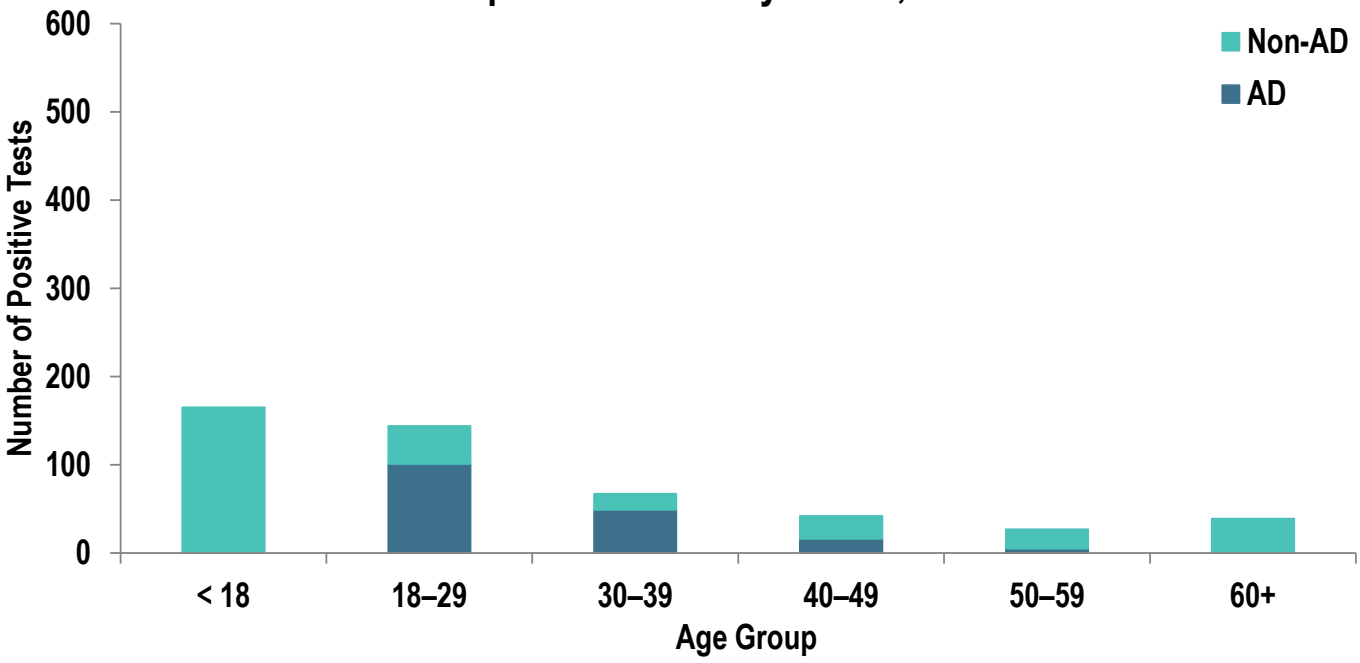
Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 1



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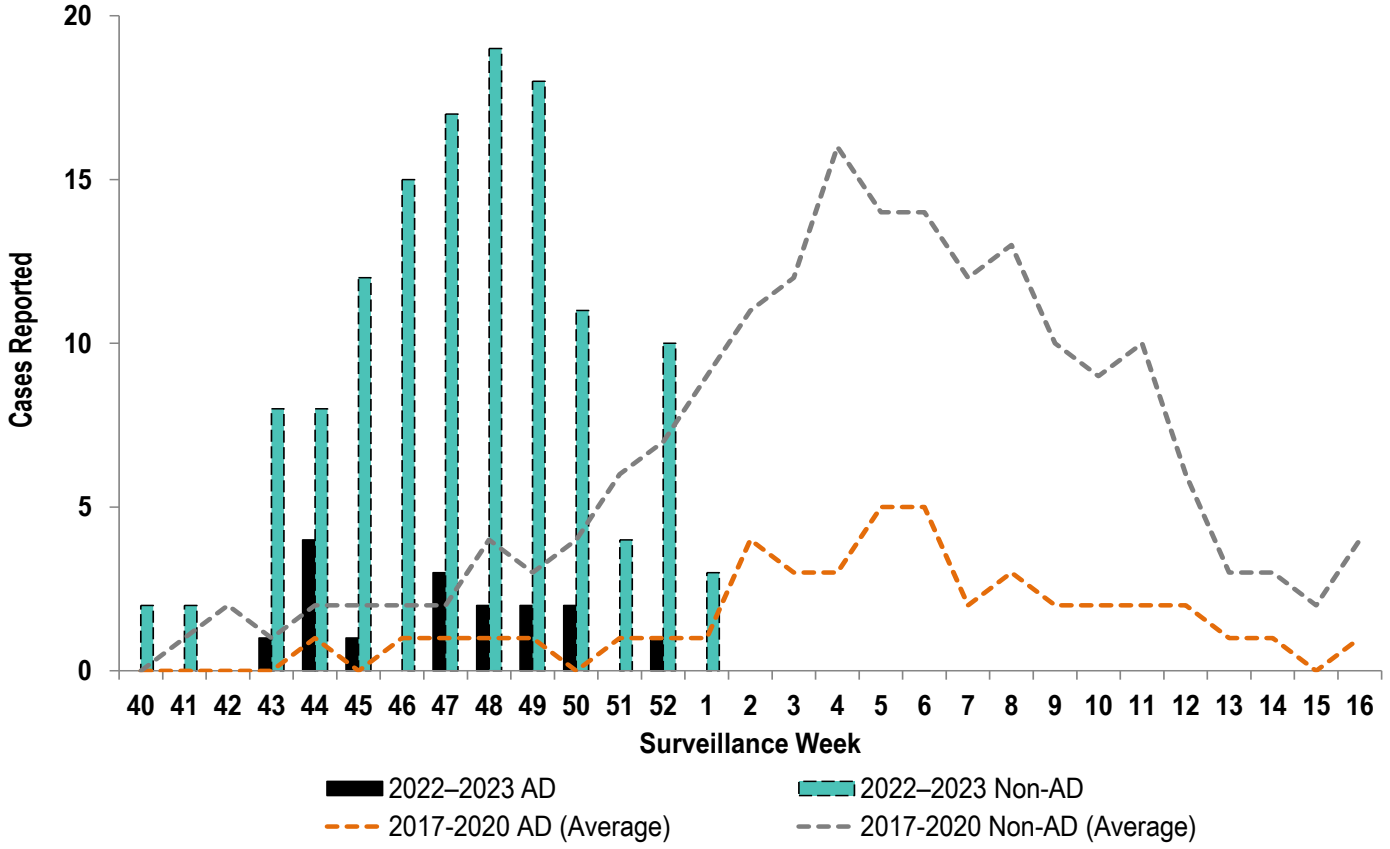
Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week



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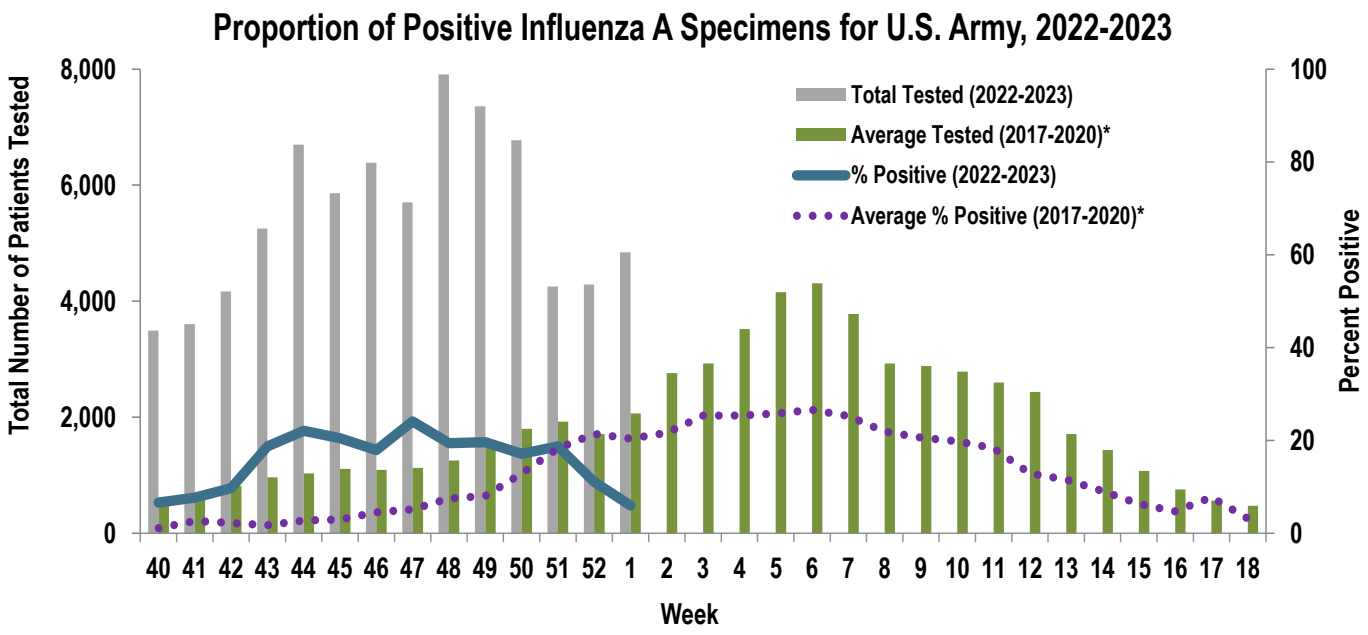

**2017–2018 influenza season - 2019–2020 influenza season. Data from the 2020–2021 and 2021–2022 influenza seasons are not included in comparison calculations due to the unusually low incidence of influenza.*

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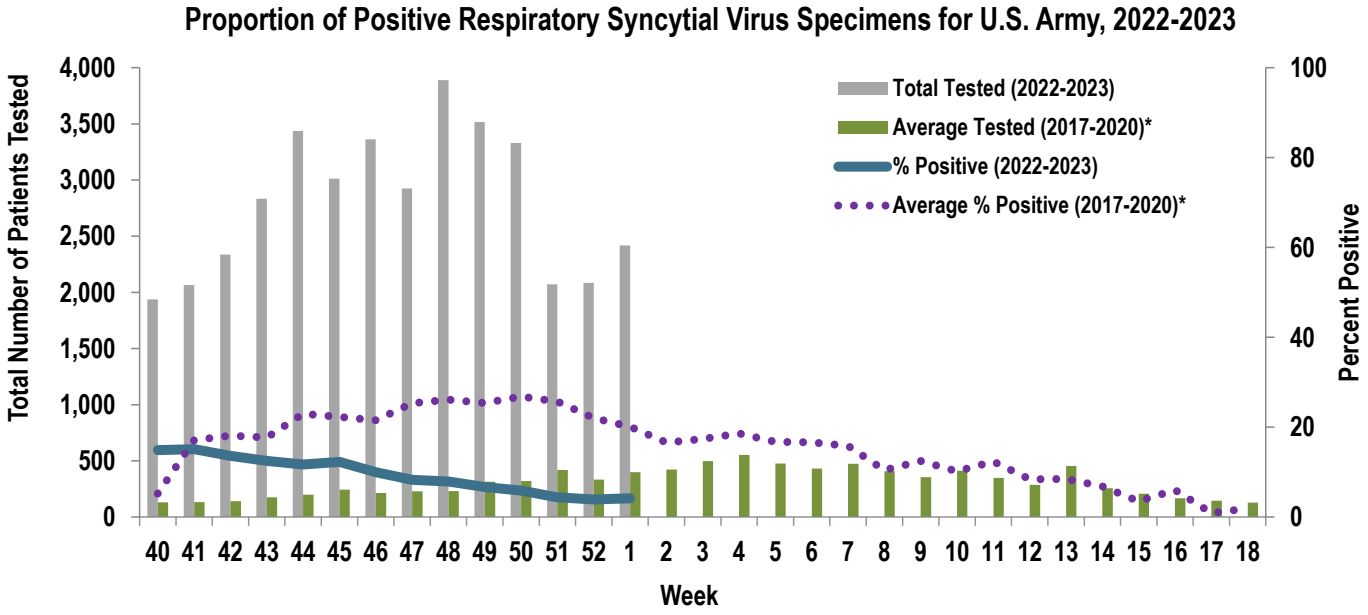

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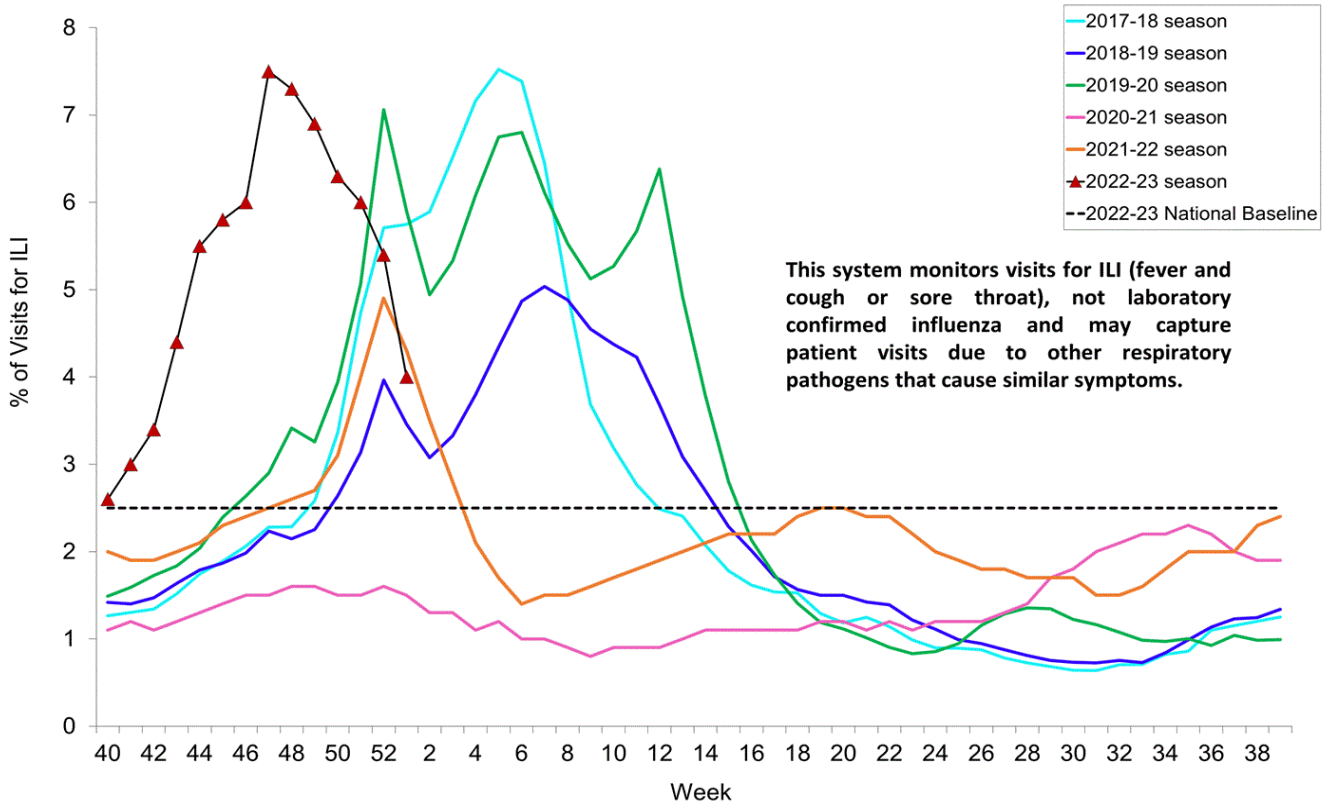
Percentage of Outpatient Visits for Respiratory Illness Reported By The U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2022-2023* and Selected Previous Seasons



Source: Centers for Disease Control and Prevention (CDC)

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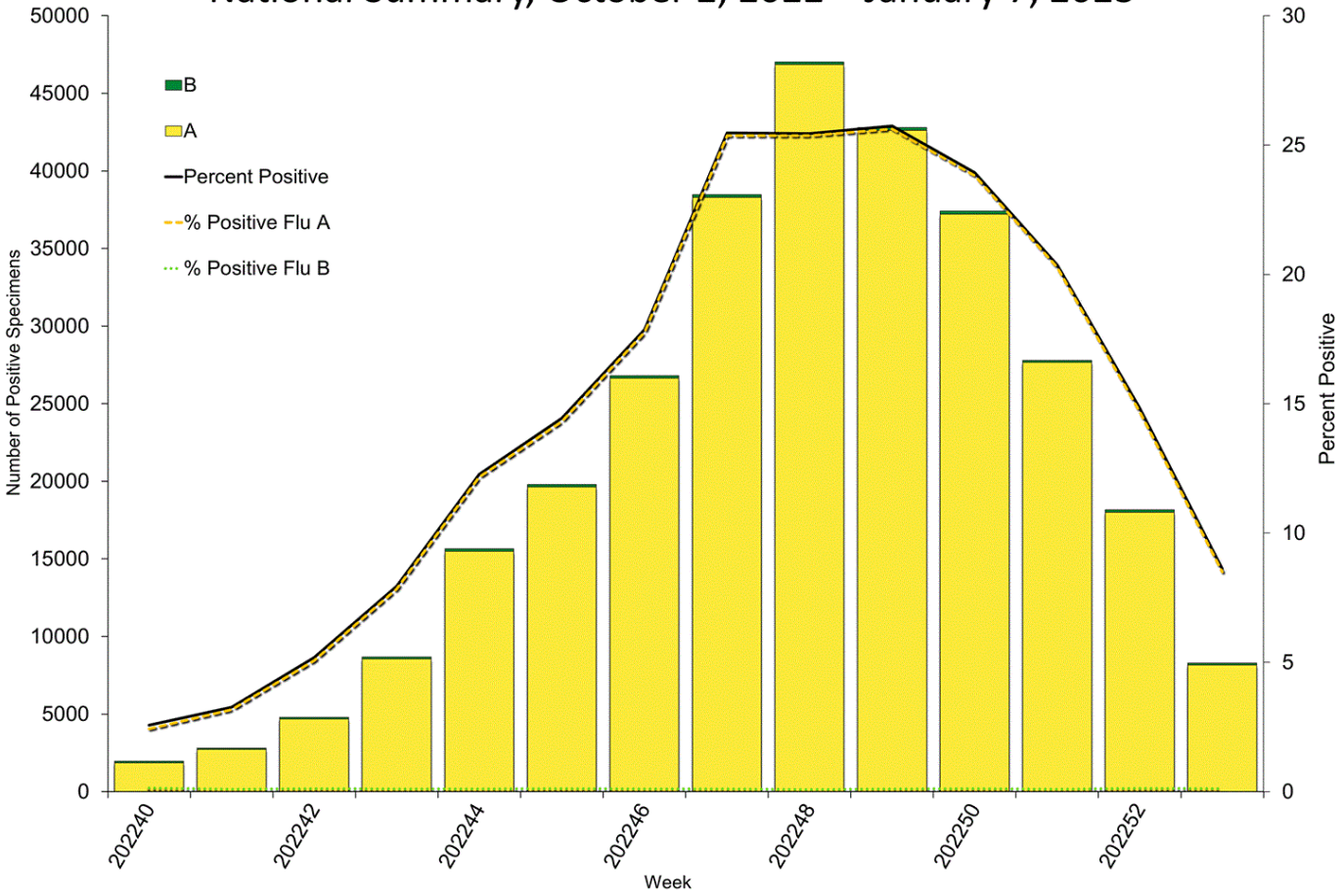
Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, October 2, 2022 – January 7, 2023



Source: Centers for Disease Control and Prevention (CDC)