

U.S. Army Public Health Center

# Army Influenza Activity Report

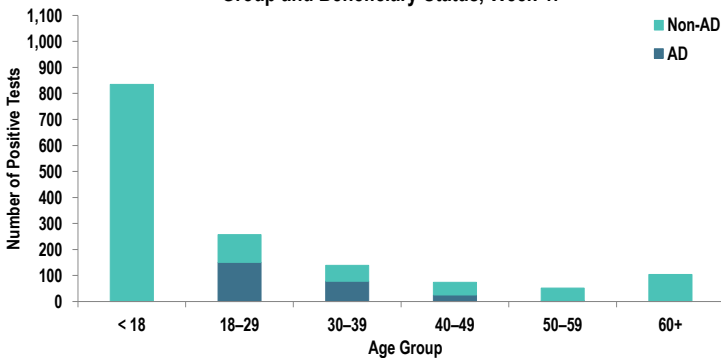
Week ending 26 November 2022 (Week 47)

## SUMMARY

One thousand one hundred and sixty-eight positive influenza A and twenty-nine influenza B specimens were reported during surveillance Week 47. Additionally, sixteen influenza-associated hospitalizations were reported in Week 47; the season total thus far is 63 compared to an average of ten influenza-associated hospitalizations during the same time period during 2017–2020. Nationwide, increases in seasonal influenza activity continue, with 25.1% of specimens tested by clinical laboratories being positive for influenza A or B. The Centers for Disease Control and Prevention (CDC) continue to report increased RSV activity in the general population. The influenza vaccine is the best way to protect yourself against the flu, and even helps prevent severe outcomes for those that do end up getting ill with the flu.

## DEMOGRAPHICS

Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 47



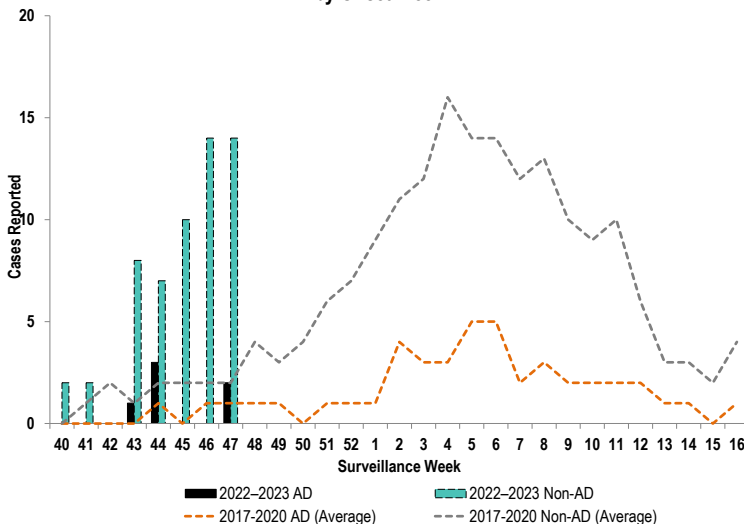
**AD:** Two hundred and fifty-eight positive respiratory specimens were collected from AD Service members (SMs) during Week 47; 58.5% (n=151) of the positive specimens were collected from SMs 18 – 29 years of age.

**Non-AD:** One thousand two hundred and three positive respiratory specimens were collected from non-AD individuals during Week 47; 69.4% (n=835) 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 two AD service members and fourteen non-service members with an onset date in Week 47 were reported to the Disease Reporting System internet (DRSi). The season total thus far is 63 hospitalizations. The Week 47 average during the 2017–2020 seasons was three hospitalizations (with an average of ten hospitalizations reported from the start of the season through Week 47).

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

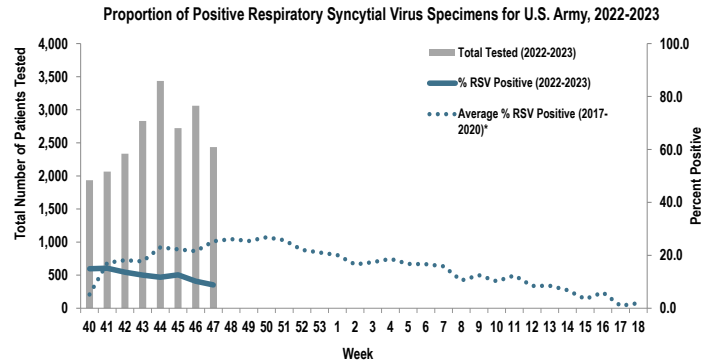
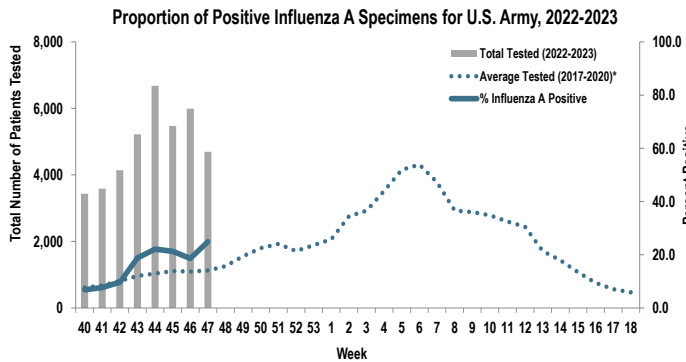
Data are preliminary and subject to change.

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## INFLUENZA A ACTIVITY - ARMY

## RSV ACTIVITY - ARMY



Of the 4,695 specimens tested for influenza A during Week 47, 1,168 (24.9%) were positive. This is an increase of 5.1% from Week 46 (n=1,111).

Of the 2,435 specimens tested for RSV during Week 47, 214 (8.8%) were positive. This is a decrease of 31.6% from Week 46 (n=313).

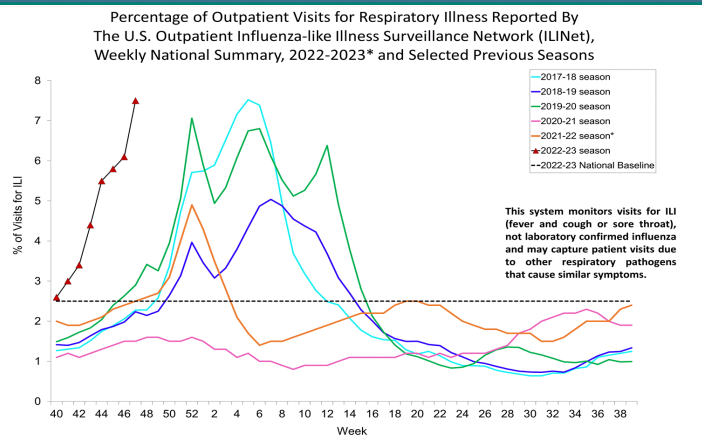
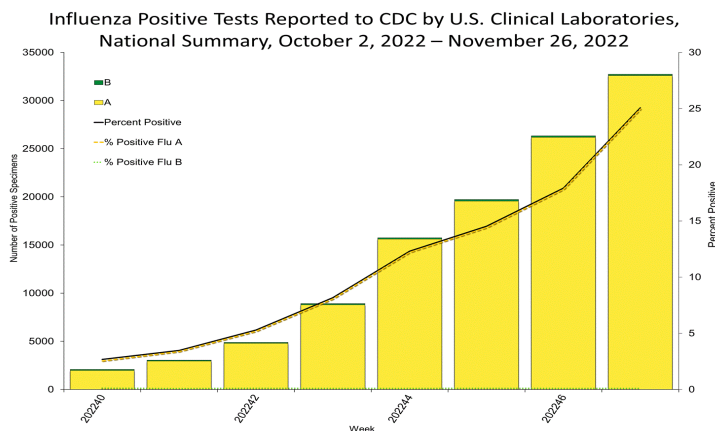
Data from the 2020–2021 and 2021–2022 influenza seasons are not included in comparison calculations due to the unusually low incidence of influenza.

		Week 44	Week 45	Week 46	Week 47	Season Total
Army MTF Laboratory Results, 2022-23	Adenovirus	18	18	7	19	97
	Enterovirus	1	16	21	16	79
	Influenza A	1,476	1,165	1,111	1,168	6,814
	Influenza B	19	21	29	29	173
	Parainfluenza	48	27	38	17	244
	RSV	403	344	313	214	2,545
	Negative	4,743	3,917	4,516	3,265	29,503
	<b>Total</b>	<b>6,708</b>	<b>5,508</b>	<b>6,035</b>	<b>4,728</b>	<b>39,455</b>

Of the 4,728 specimens tested during Week 47, 22.6% (n=1,463) were positive for any type of respiratory illness. Influenza A accounted for 79.8% (n=1,168), RSV accounted for 14.6% (n=214), influenza B accounted for 2.0% (n=29), adenovirus accounted for 1.3% (n=19), parainfluenza accounted for 1.2% (n=17), and enterovirus accounted for 1.1% (n=16). Additionally, the reported number of specimens tested decreased by 21.7% from Week 46 to Week 47.

Significantly more tests for influenza have been conducted this season compared to past seasons; 39,218 specimens have been tested for influenza A so far this season compared to the average of 7,421 specimens during the same time period in 2017-2020.

## INFLUENZA-LIKE ILLNESS (ILI) ACTIVITY - UNITED STATES



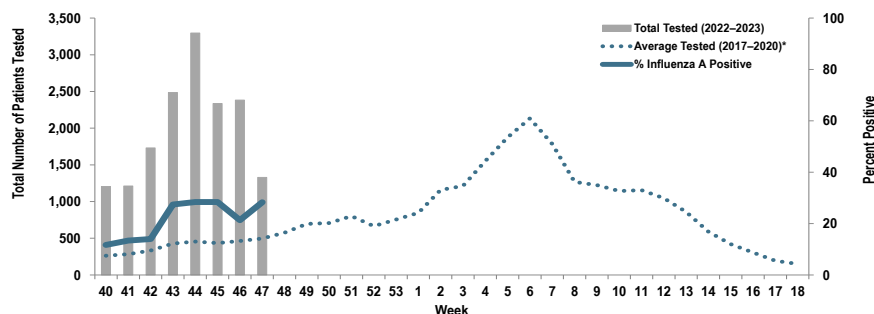
Nationwide in Week 47, incident ILI activity was 7.5%; this is above the national baseline of 2.5%. Additionally, a total of 130,584 specimens were tested for influenza by select clinical laboratories and submitted to the CDC; 32,733 (25.1%) were positive. Influenza A accounted for 99.6% (n=32,594) of the total positive specimens.

**Locations providing Week 47 laboratory data as of 26 November 2022:** Camp Zama, Ft. Belvoir, Ft. Bliss, Ft. Bragg, 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, Korea, Landstuhl Regional Medical Center, and Redstone Arsenal.

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

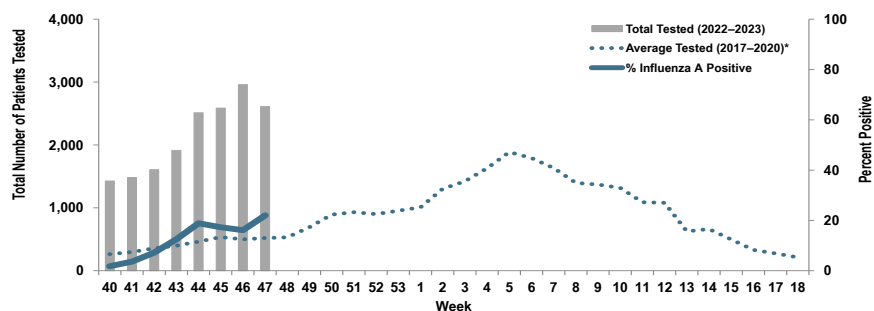
## Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2022–2023 as Compared to 2017–2020\*

### Regional Health Command - Atlantic (RHC-A)



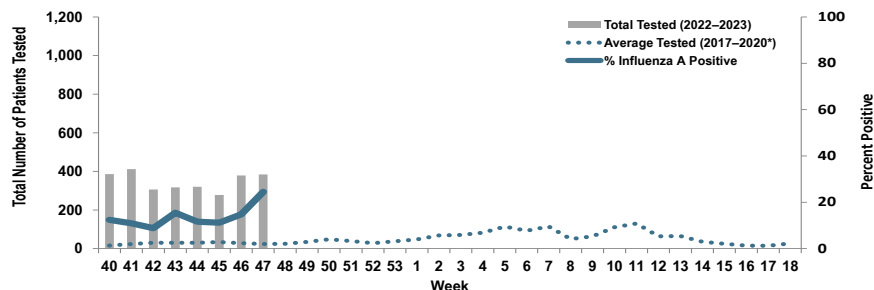
Week 47			
Age Group	AD	Non-AD	Season Total
< 18	0	210	2,111
18–29	35	26	739
30–39	33	14	425
40–49	11	9	189
50–59	2	13	102
60+	0	22	142
<b>Total</b>	<b>81</b>	<b>294</b>	<b>3,708</b>

### Regional Health Command - Central (RHC-C)



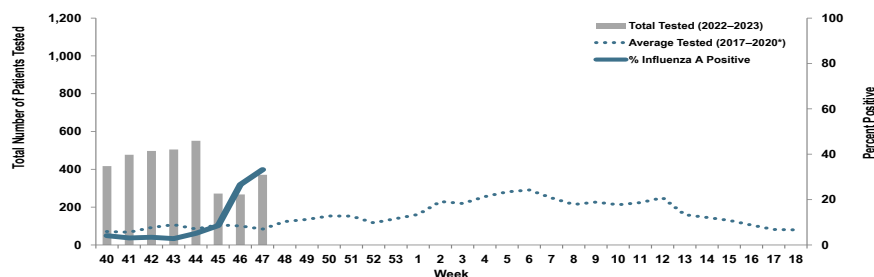
Week 47			
Age Group	AD	Non-AD	Season Total
< 18	0	285	1288
18–29	74	56	490
30–39	29	31	252
40–49	6	29	141
50–59	1	24	94
60+	0	40	142
<b>Total</b>	<b>110</b>	<b>465</b>	<b>2407</b>

### Regional Health Command - Europe (RHC-E)



Week 47			
Age Group	AD	Non-AD	Season Total
< 18	0	64	237
18–29	11	1	85
30–39	6	5	40
40–49	2	1	16
50–59	1	1	4
60+	0	2	5
<b>Total</b>	<b>20</b>	<b>74</b>	<b>387</b>

### Regional Health Command - Pacific (RHC-P)



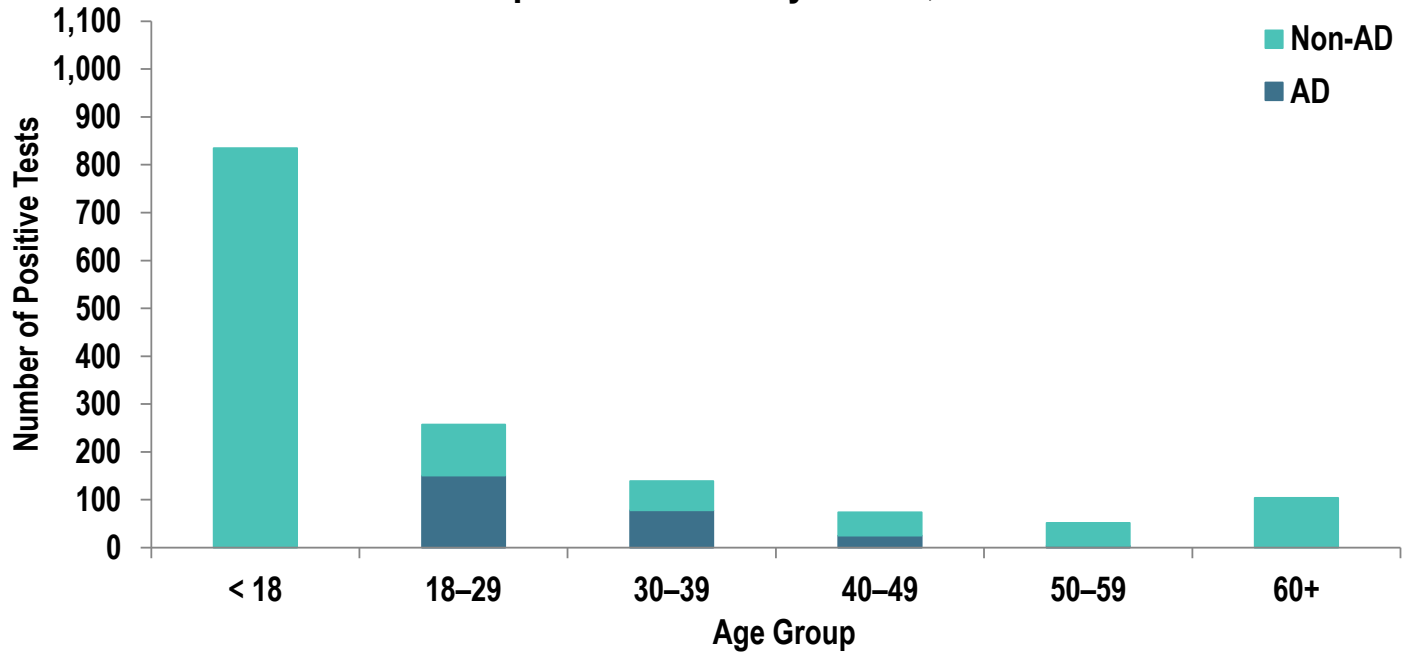
Week 47			
Age Group	AD	Non-AD	Season Total
< 18	0	56	142
18–29	10	10	68
30–39	6	8	33
40–49	1	7	19
50–59	0	2	9
60+	0	23	36
<b>Total</b>	<b>17</b>	<b>106</b>	<b>307</b>

\*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.

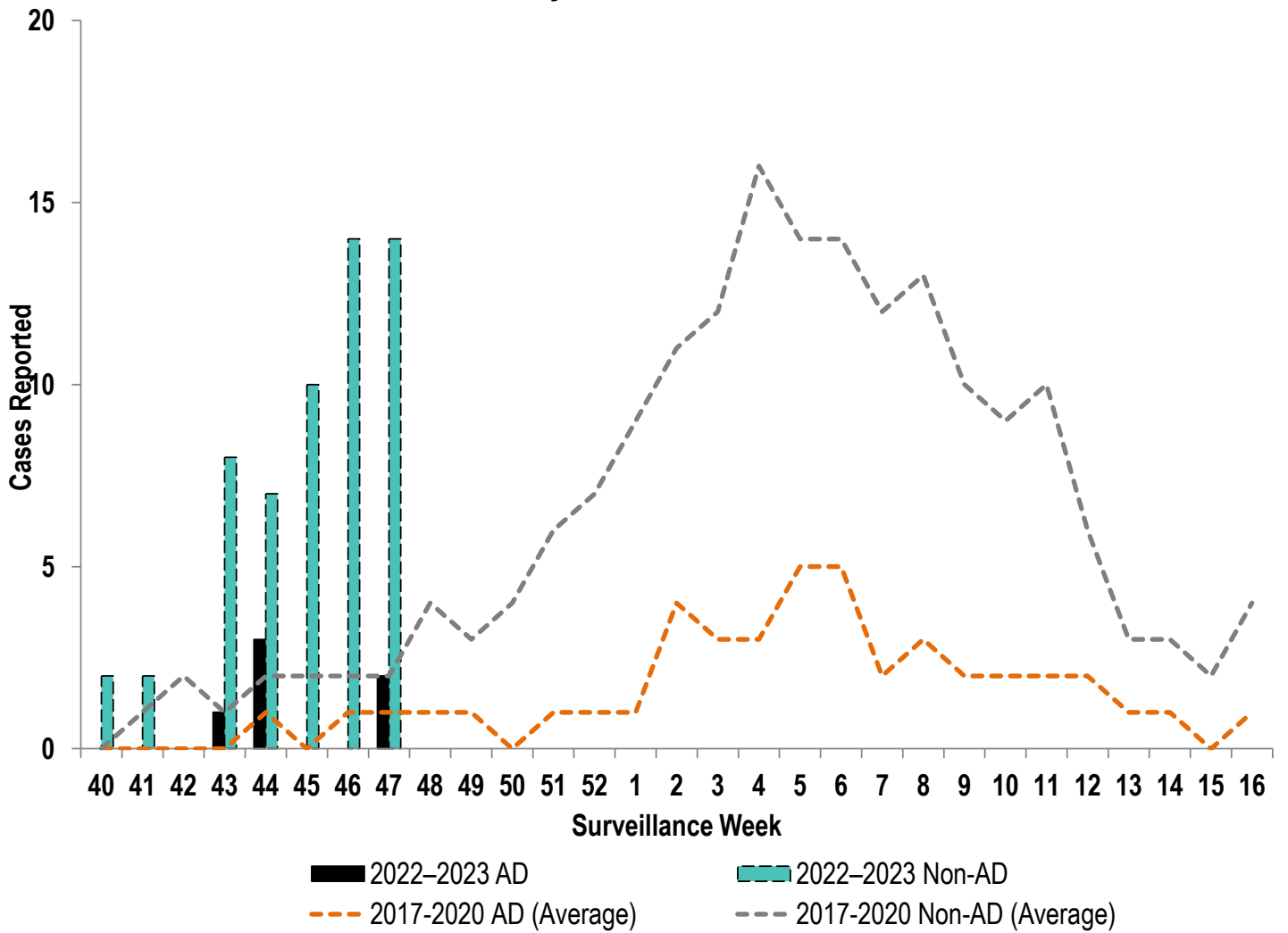
### Number of Positive Influenza A Specimens by Region and Duty Status

Region	Week 44		Week 45		Week 46		Week 47	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
RHC-A	243	692	149	515	140	367	81	295
RHC-C	98	378	88	359	107	370	110	465
RHC-E	11	26	7	24	8	48	20	74
RHC-P	9	19	4	19	14	57	17	106

### Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 47



### Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week

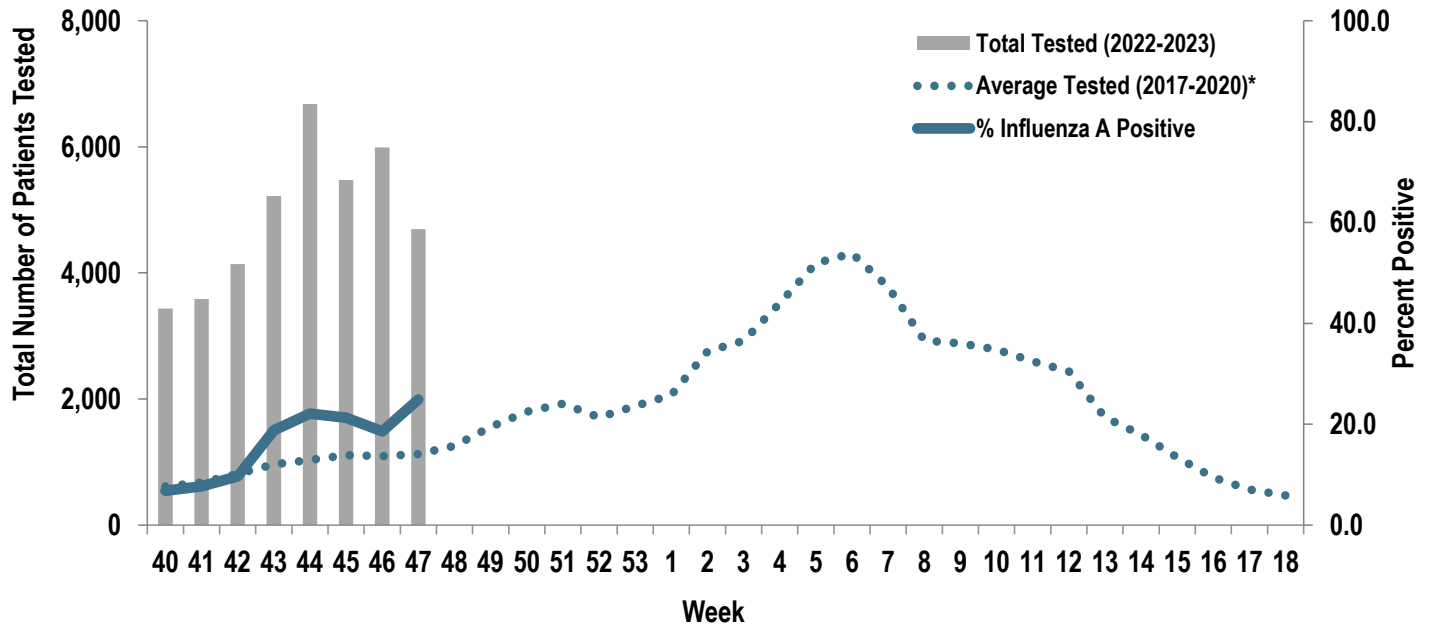


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Week ending 26 November 2022 (Week 47)

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



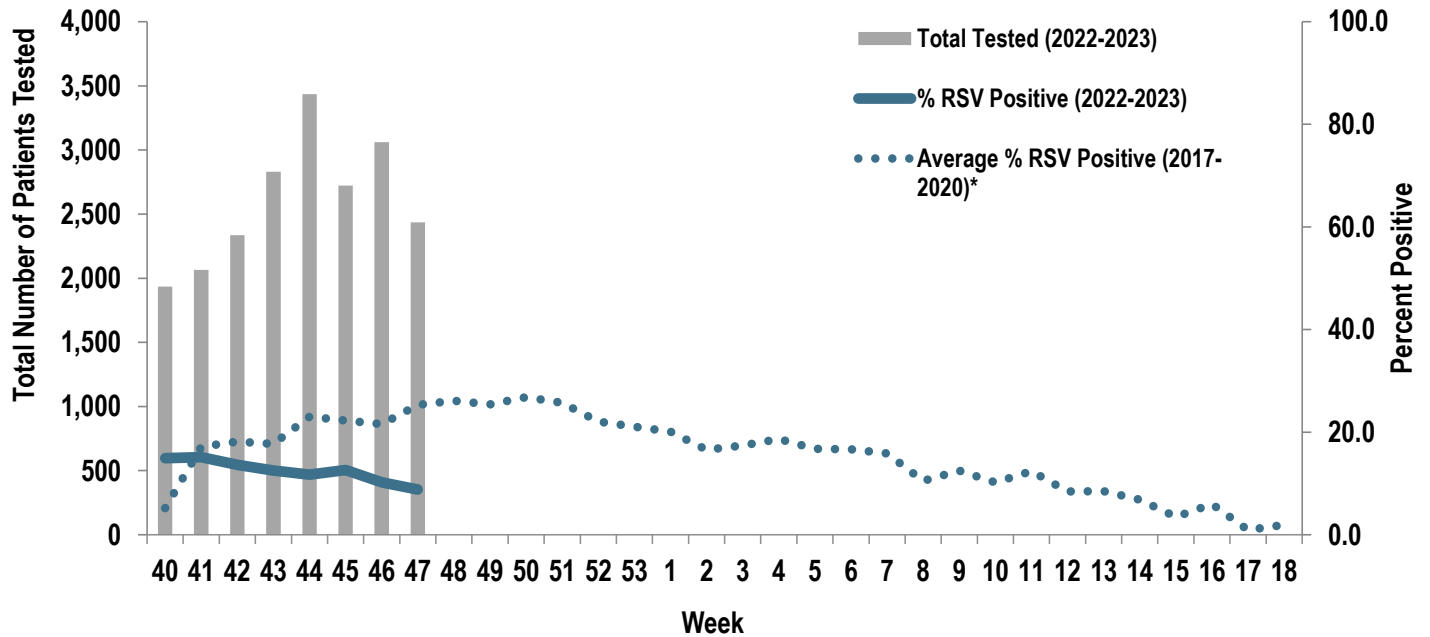
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Proportion of Positive Respiratory Syncytial Virus Specimens for U.S. Army, 2022-2023



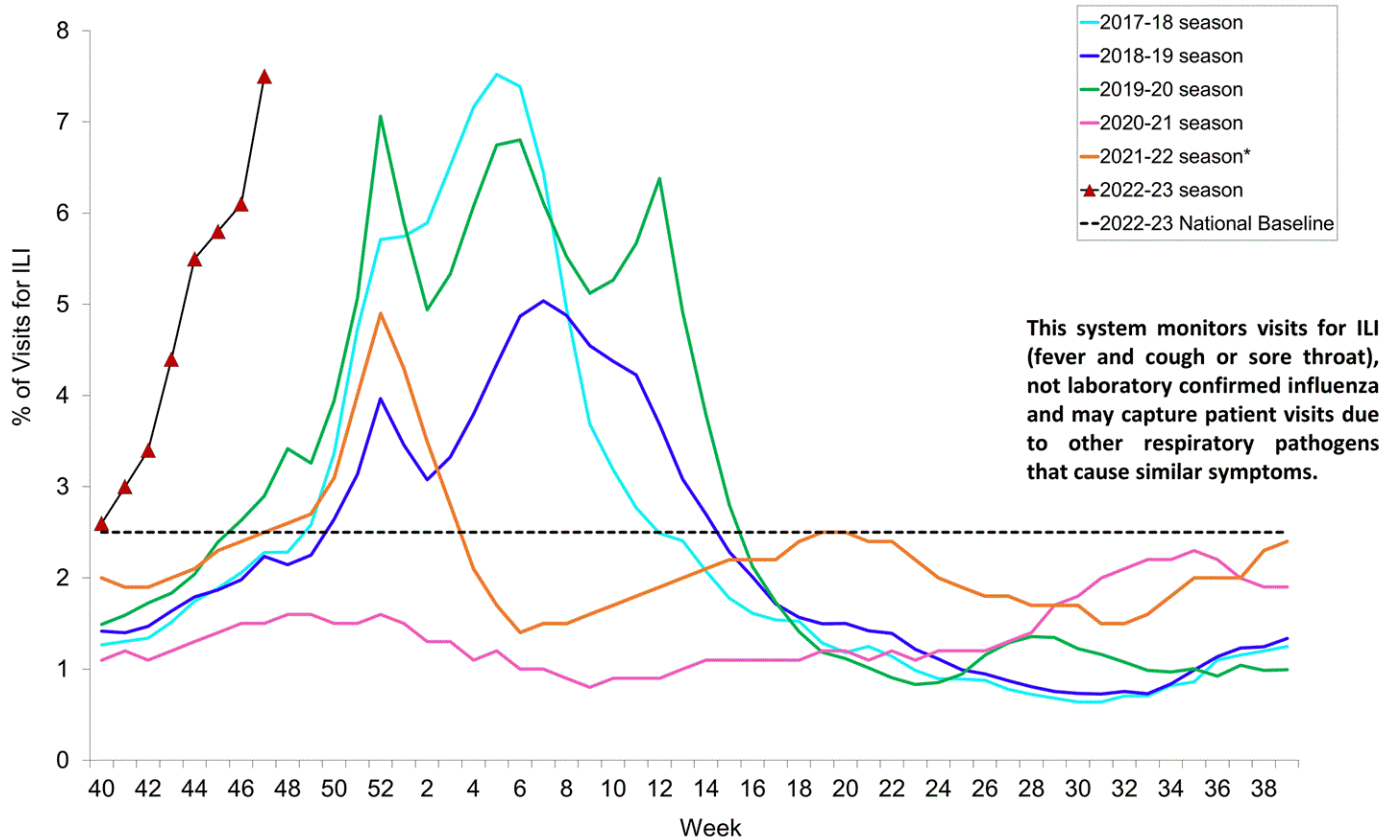
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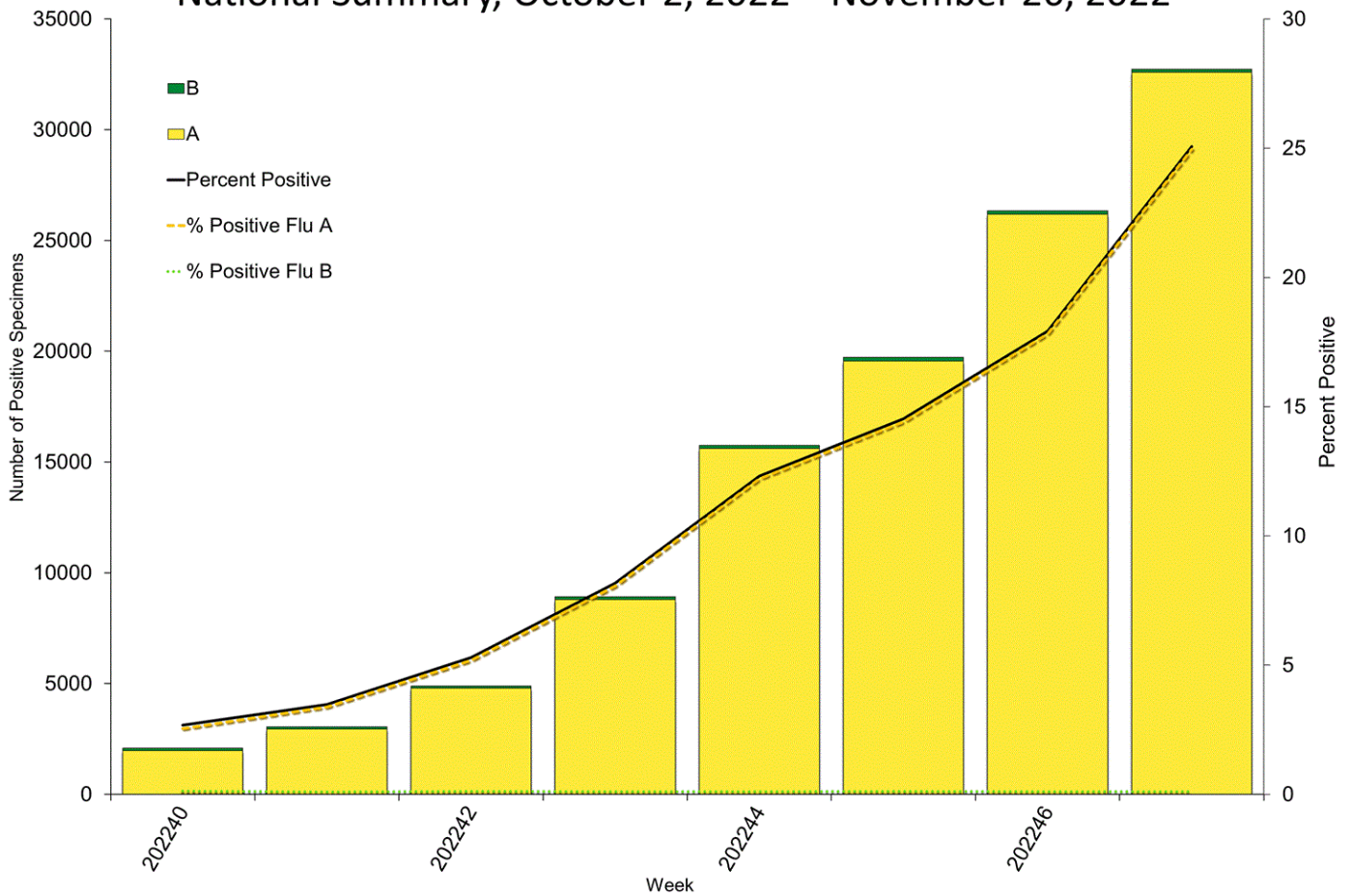
Percentage of Outpatient Visits for Respiratory Illness Reported By The U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2022-2023\* and Selected Previous Seasons







### Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, October 2, 2022 – November 26, 2022



Source: Centers for Disease Control and Prevention (CDC)