

U.S. Army Public Health Center

# Army Influenza Activity Report

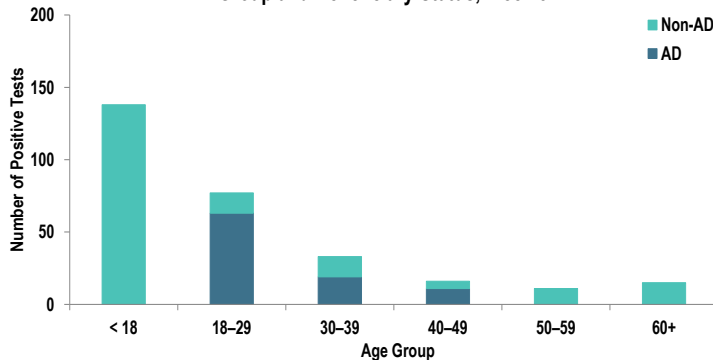
Week ending 4 February 2023 (Week 5)

## SUMMARY

Influenza A activity decreased since the previous surveillance week in the Army population. One hundred and forty-seven positive influenza A and twenty-six influenza B specimens were reported during surveillance Week 5. No influenza-associated hospitalizations were reported in Week 5; the season total thus far is 153 hospitalizations compared to an average of 117 influenza-associated hospitalizations during the same time period during 2017–2020. Nationwide, influenza activity continues to decline, with 1.7% 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 5



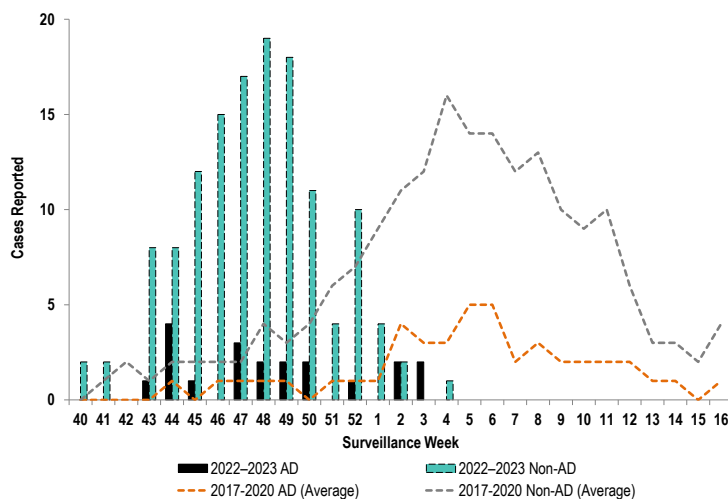
**AD:** Ninety-three positive respiratory specimens were collected from active duty (AD) Servicemembers (SMs) during Week 5; 67.7% (n=63) of the positive specimens were collected from SMs 18 – 29 years of age.

**Non-AD:** One hundred and ninety-seven positive respiratory specimens were collected from non-AD individuals during Week 5; 70.1% (n=138) 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 5 were reported to the Disease Reporting System internet (DRSi). The season total thus far is 153 hospitalizations. The Week 5 average during the 2017–2020 seasons was 18 hospitalizations (with an average of 117 hospitalizations reported from the start of the season through Week 5).

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

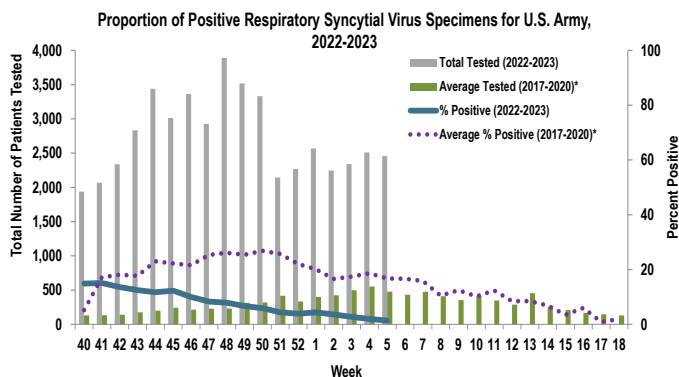
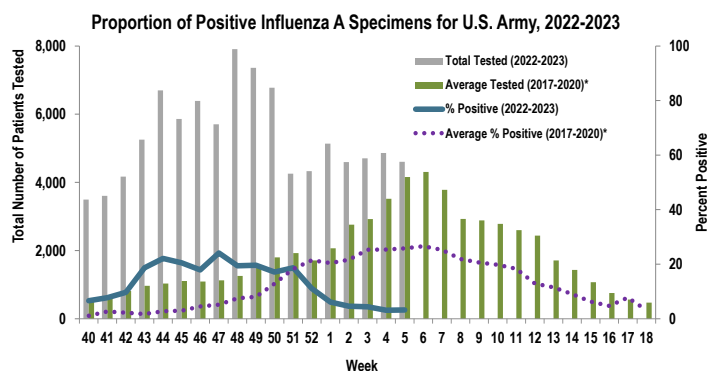
Data are preliminary and subject to change.

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

## INFLUENZA A ACTIVITY - ARMY

## RSV ACTIVITY - ARMY



Of the 4,604 specimens tested for influenza A during Week 5, 3.2% (n=147) were positive. This is a slight increase from Week 4 (3.1%).

Of the 2,456 specimens tested for RSV during Week 5, 1.4% (n=34) were positive. This is decrease from Week 4 (2.0%).

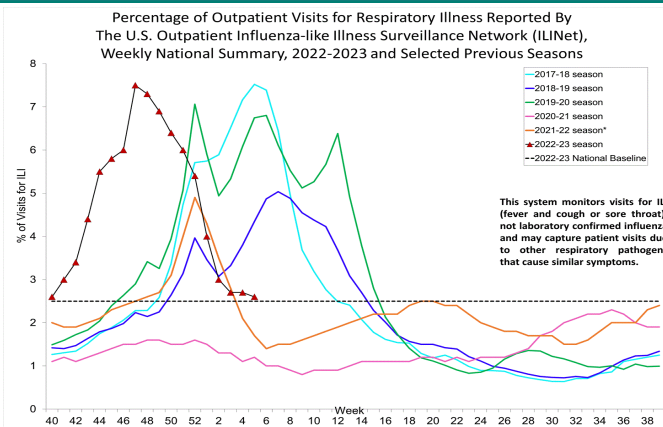
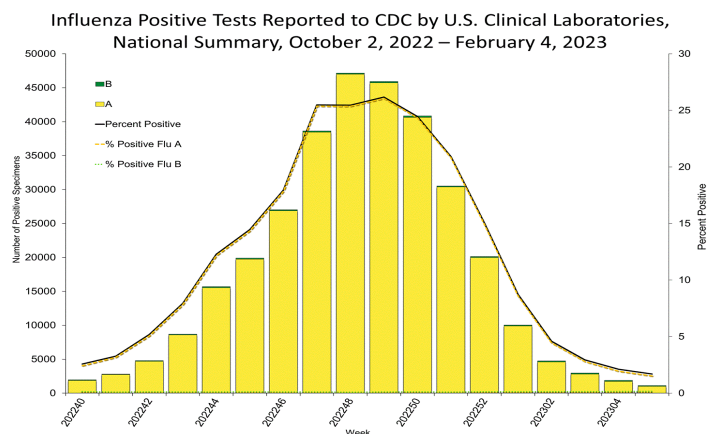
Data from the 2020–2021 and 2021–2022 influenza seasons are not included in comparison calculations due to the unusually low incidence of influenza.

		Week 2	Week 3	Week 4	Week 5	Season Total
Army MTF Laboratory Results, 2022-23	Adenovirus	18	17	23	20	333
	Enterovirus	20	30	27	46	431
	Influenza A	211	207	150	147	13,529
	Influenza B	37	27	18	26	584
	Parainfluenza	16	10	7	17	446
	RSV	80	64	49	34	3,886
	Negative	4,287	4,460	4,706	4,427	77,726
	<b>Total</b>	<b>4,669</b>	<b>4,815</b>	<b>4,980</b>	<b>4,717</b>	<b>96,935</b>

Of the 4,717 specimens tested during Week 5, 6.1% (n=290) were positive for any type of respiratory illness. Influenza A accounted for 50.7% (n=147), enterovirus accounted for 15.9% (n=46), RSV accounted for 11.7% (n=34), influenza B accounted for 9.0% (n=26), adenovirus accounted for 6.9% (n=20), and parainfluenza accounted for 5.9% (n=17). Additionally, the reported number of specimens tested decreased by 5.3% from Week 4 to Week 5.

Significantly more tests for influenza have been conducted this season compared to past seasons; 95,699 specimens have been tested for influenza A so far this season compared to the average of 31,096 specimens during the same time period in 2017-2020.

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



Nationwide in Week 5, incident ILI activity was 2.6%; this is above the national baseline of 2.5%. Additionally, a total of 65,550 specimens were tested for influenza by select clinical laboratories and submitted to the CDC; 1,107 (1.7%) were positive. Influenza A accounted for 90.2% (n=998) of the total positive specimens.

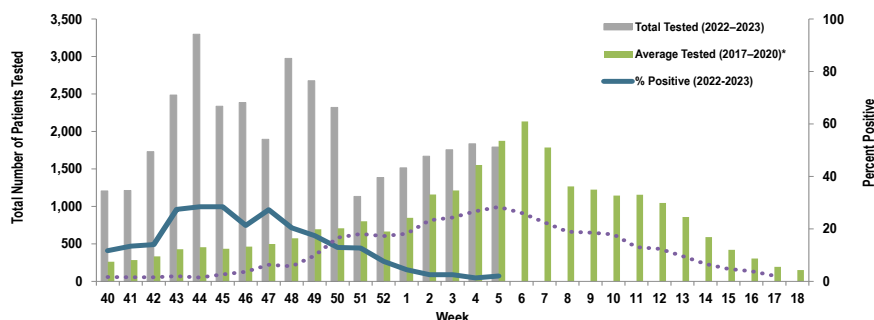
**Locations providing Week 5 laboratory data as of 8 February 2023:** Carlisle Barracks, Ft. Belvoir, Ft. Benning, Ft. Bliss, Ft. Bragg, Ft. Campbell, Camp Zama, Ft. Carson, Ft. Gordon, Ft. Hood, Ft. Huachuca, Ft. Jackson, Ft. Knox, Ft. Leavenworth, Ft. Lee, Ft. Leonard Wood, Ft. Lewis, Ft. Meade, Ft. 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.

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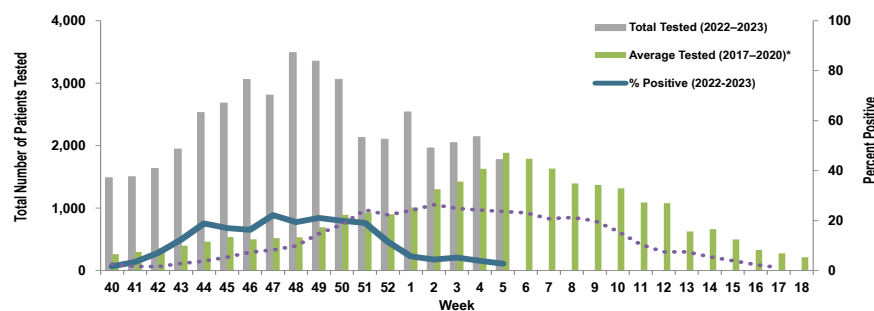
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2022–2023 as Compared to 2017–2020\*

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



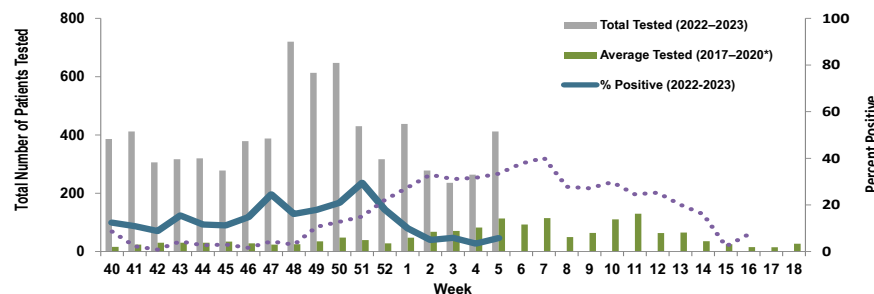
Week 5			
Age Group	AD	Non-AD	Season Total
< 18	0	7	2,882
18–29	17	2	1,227
30–39	4	1	718
40–49	0	2	352
50–59	0	3	231
60+	0	0	246
<b>Total</b>	<b>21</b>	<b>15</b>	<b>5,656</b>

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



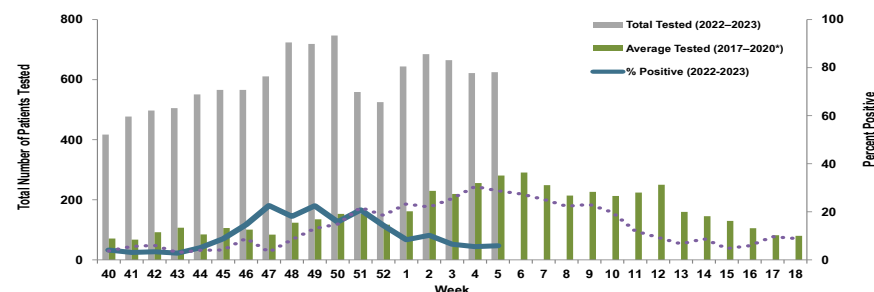
Week 5			
Age Group	AD	Non-AD	Season Total
< 18	0	13	2,746
18–29	13	7	1,267
30–39	3	5	692
40–49	2	1	346
50–59	0	1	204
60+	0	5	349
<b>Total</b>	<b>18</b>	<b>32</b>	<b>5,604</b>

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



Week 5			
Age Group	AD	Non-AD	Season Total
< 18	0	13	579
18–29	3	0	196
30–39	2	1	146
40–49	4	0	72
50–59	0	1	22
60+	0	0	23
<b>Total</b>	<b>9</b>	<b>15</b>	<b>1,038</b>

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



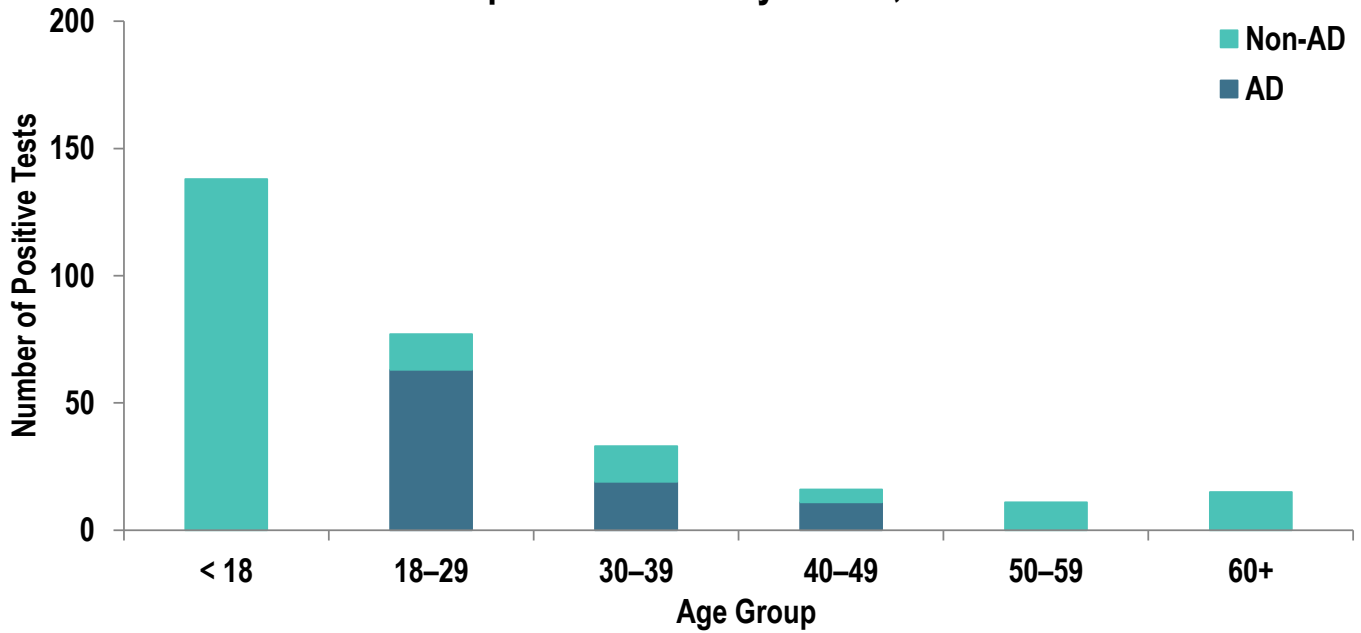
Week 5			
Age Group	AD	Non-AD	Season Total
< 18	0	10	480
18–29	14	1	313
30–39	4	5	200
40–49	0	1	75
50–59	0	1	41
60+	0	1	91
<b>Total</b>	<b>18</b>	<b>19</b>	<b>1,200</b>

\*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.

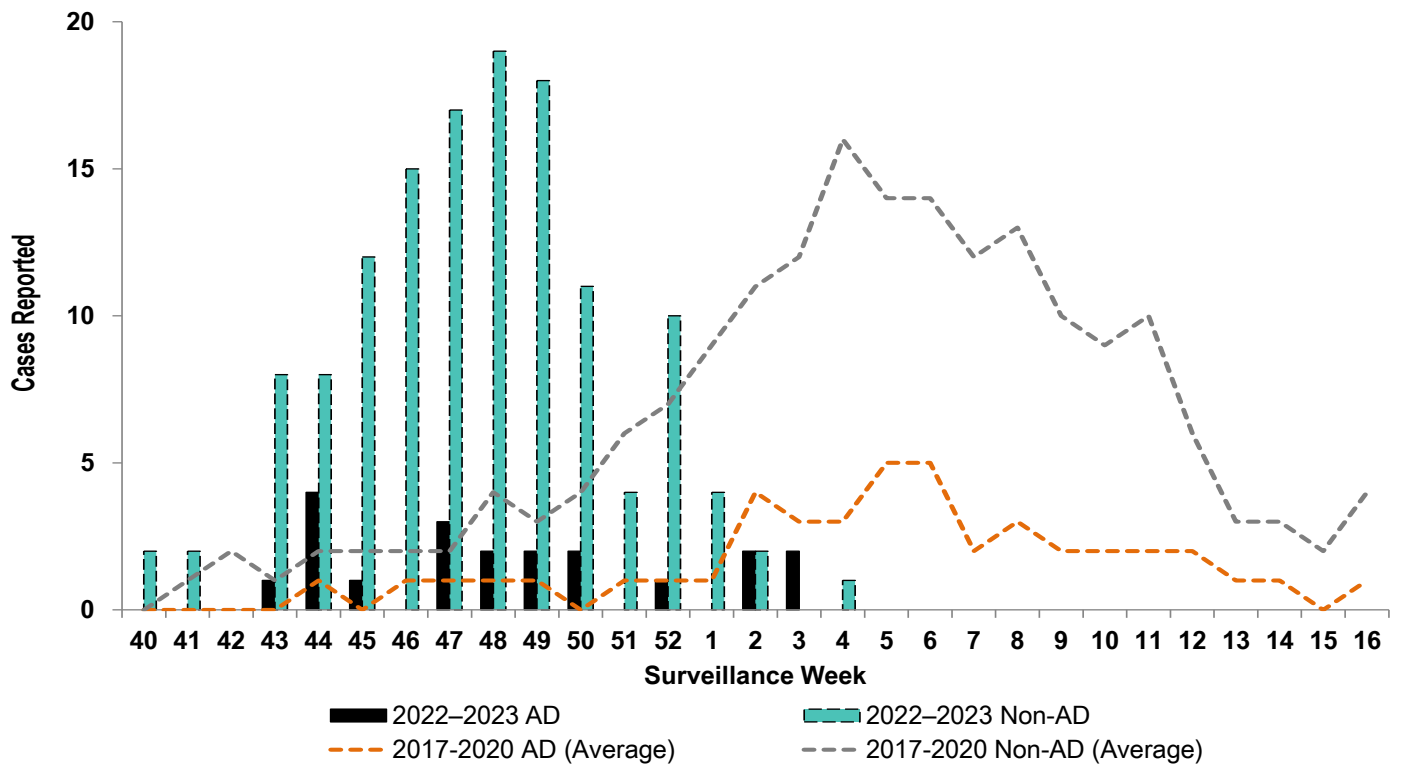
### Number of Positive Influenza A Specimens by Region and Duty Status

Region	Week 2		Week 3		Week 4		Week 5	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
RHC-A	16	25	19	24	5	19	21	15
RHC-C	34	52	53	54	48	35	18	32
RHC-E	3	11	5	9	2	7	9	15
RHC-P	41	29	18	25	16	18	18	19

**Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 5**



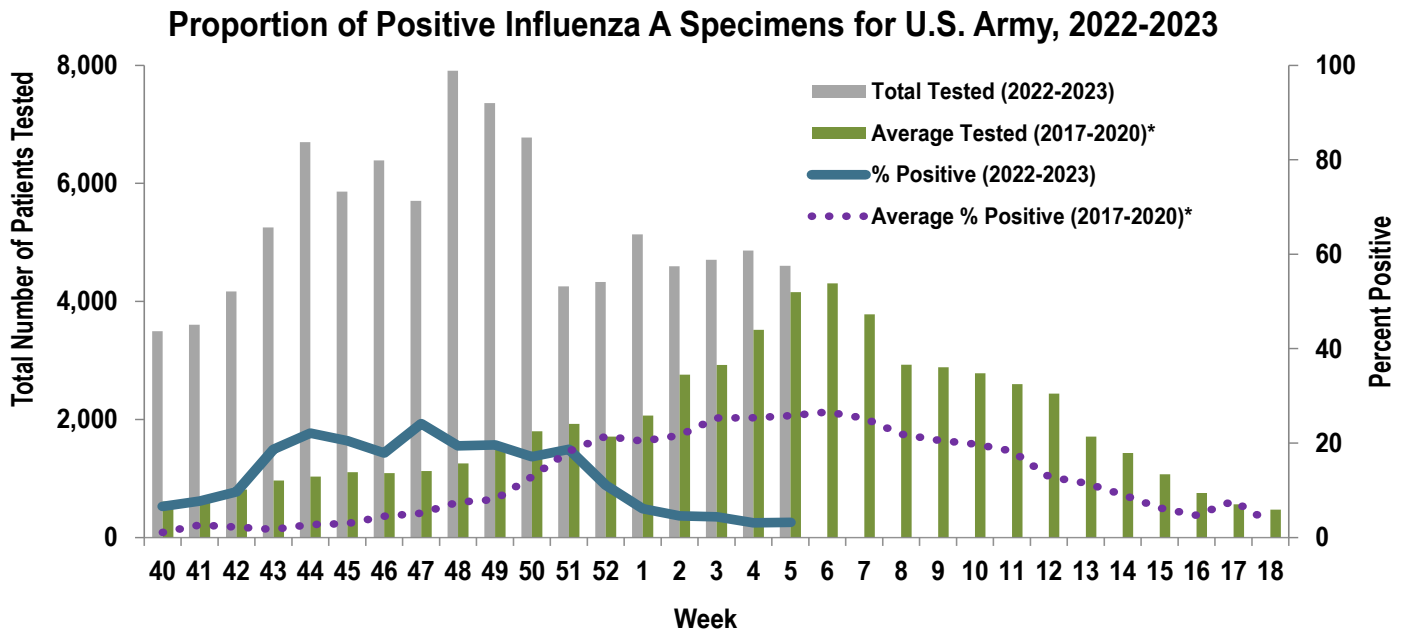
**Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week**



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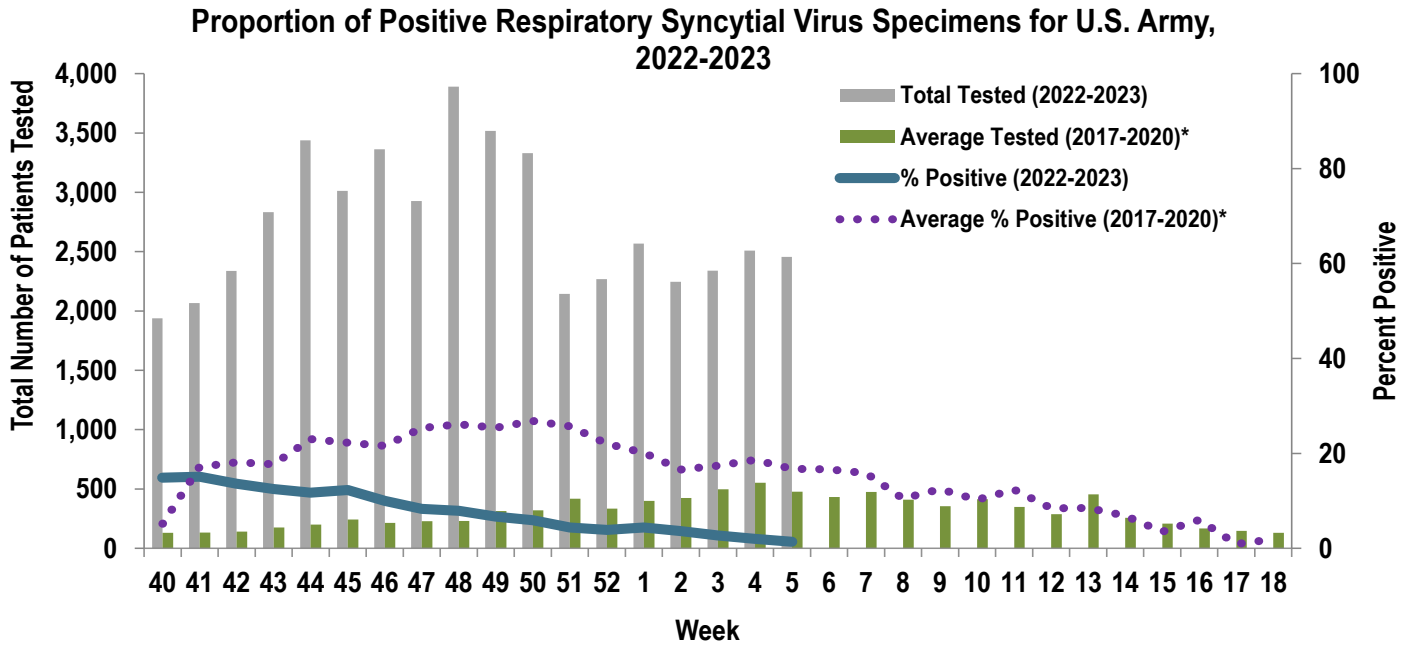
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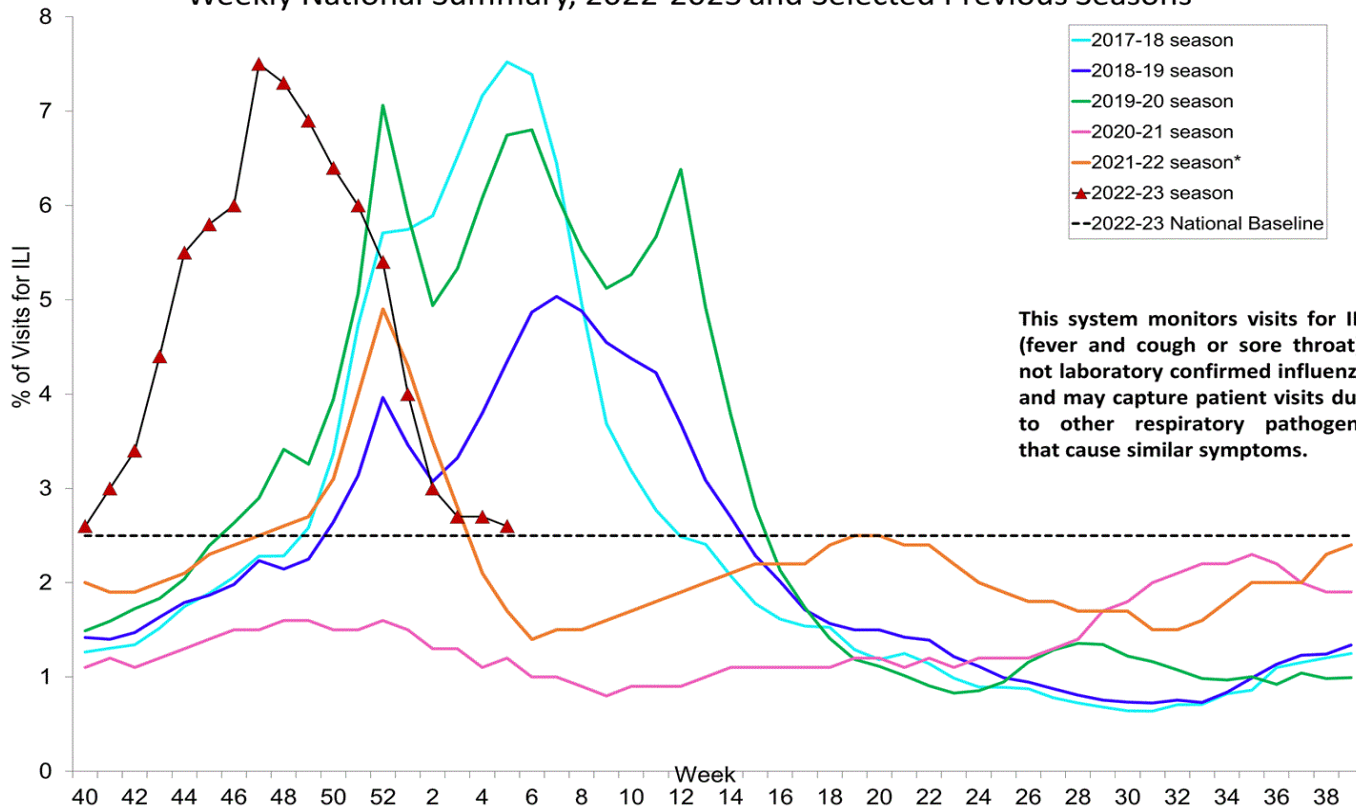
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Percentage of Outpatient Visits for Respiratory Illness Reported By The U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2022-2023 and Selected Previous Seasons



Source: Centers for Disease Control and Prevention (CDC)

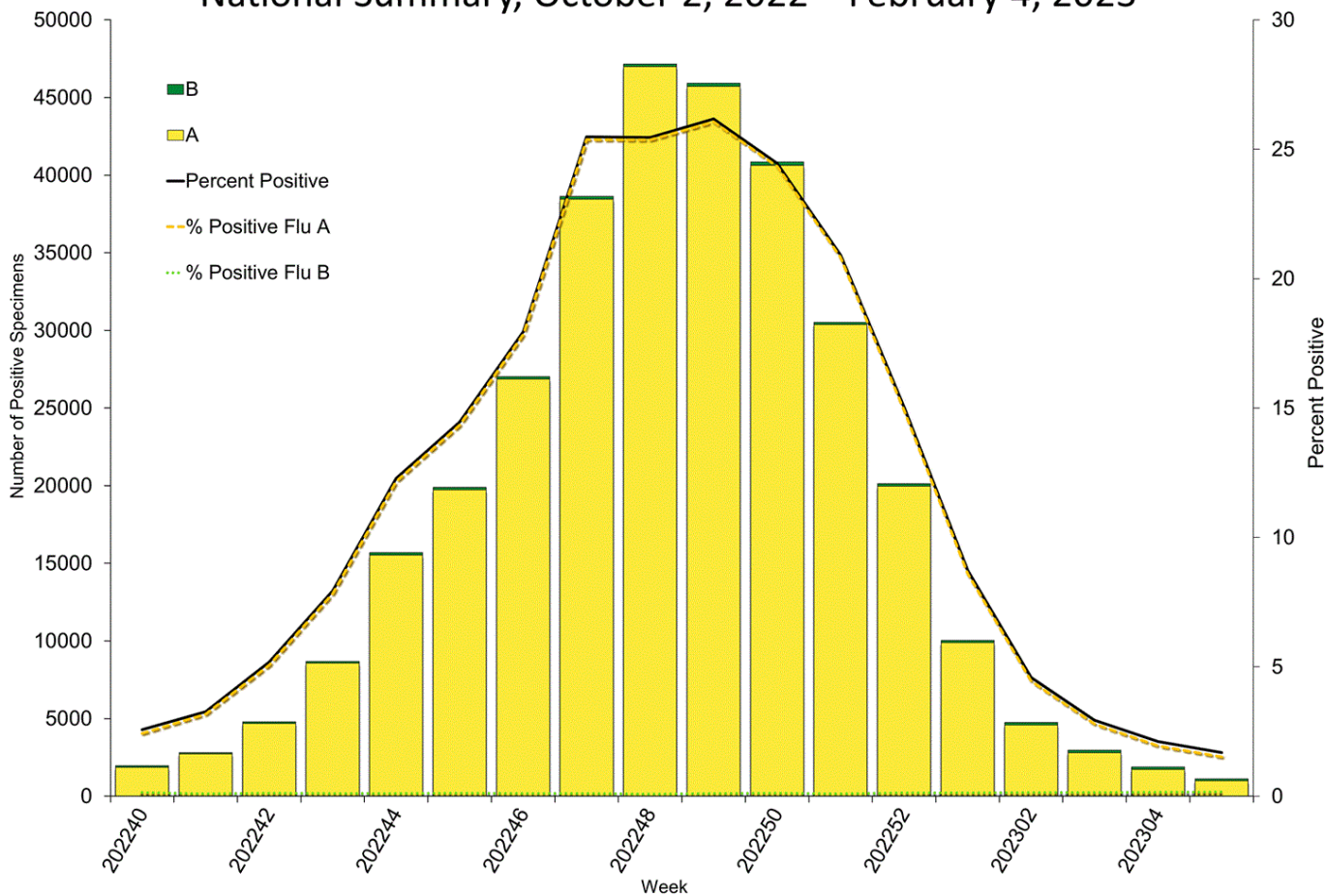


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Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, October 2, 2022 – February 4, 2023



Source: Centers for Disease Control and Prevention (CDC)