

U.S. Army Public Health Center

# Army Influenza Activity Report

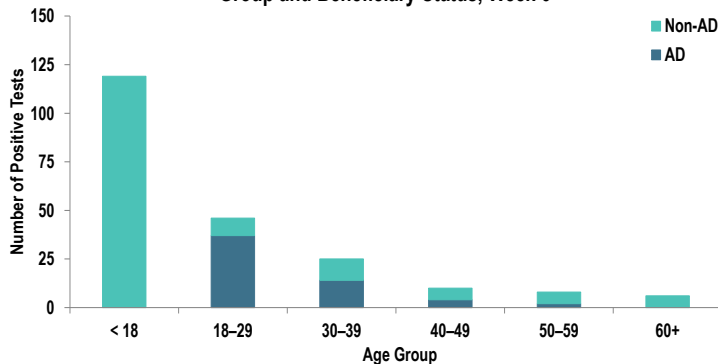
Week ending 11 February 2023 (Week 6)

## SUMMARY

Influenza A activity decreased since the previous surveillance week in the Army population. Ninety-two positive influenza A and twenty influenza B specimens were reported during surveillance Week 6. No influenza-associated hospitalizations were reported in Week 6; the season total thus far is 153 hospitalizations compared to an average of 131 influenza-associated hospitalizations during the same time period during 2017–2020. Nationwide, influenza activity remains stable, with 1.4% 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 6



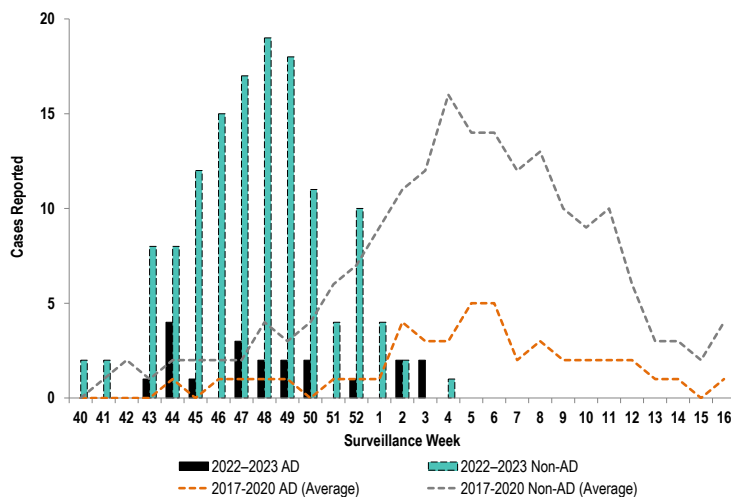
**AD:** Fifty-seven positive respiratory specimens were collected from active duty (AD) Servicemembers (SMs) during Week 6; 64.9% (n=37) of the positive specimens were collected from SMs 18 – 29 years of age.

**Non-AD:** One hundred and fifty-seven positive respiratory specimens were collected from non-AD individuals during Week 6; 75.8% (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 6 were reported to the Disease Reporting System internet (DRSi). The season total thus far is 153 hospitalizations. The Week 6 average during the 2017–2020 seasons was 14 hospitalizations (with an average of 131 hospitalizations reported from the start of the season through Week 6).

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

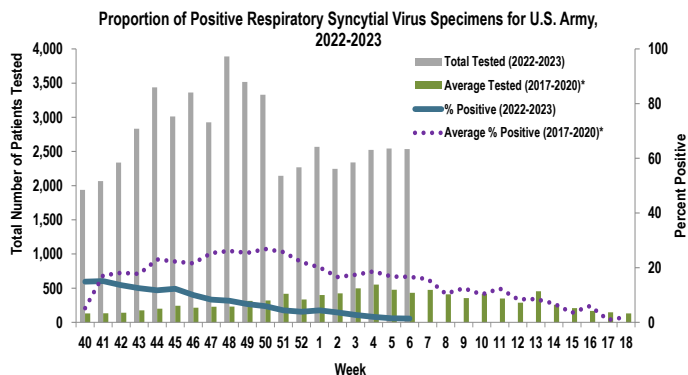
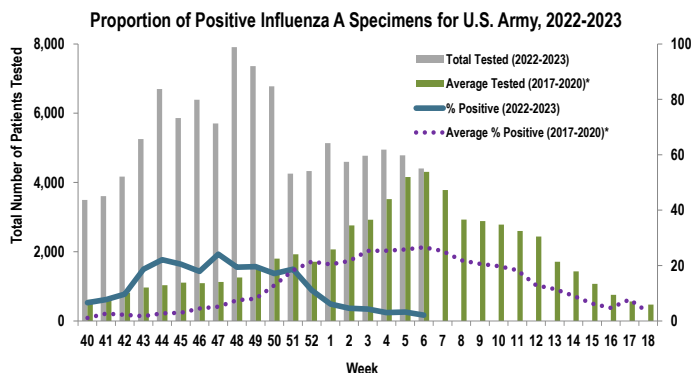
Data are preliminary and subject to change.

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## INFLUENZA A ACTIVITY - ARMY

## RSV ACTIVITY - ARMY



Of the 4,404 specimens tested for influenza A during Week 6, 2.1% (n=92) were positive. This is a decrease from Week 5 (3.2%).

Of the 2,536 specimens tested for RSV during Week 6, 1.4% (n=36) were positive. This is a slight decrease from Week 5 (1.5%).

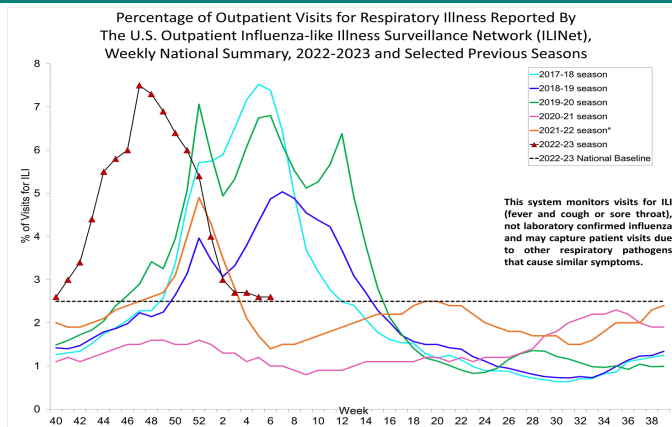
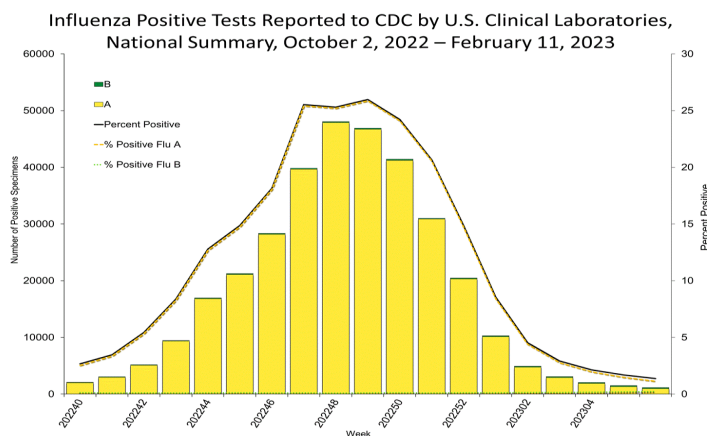
Data from the 2020–2021 and 2021–2022 influenza seasons are not included in comparison calculations due to the unusually low incidence of influenza.

		Week 3	Week 4	Week 5	Week 6	Season Total
Army MTF Laboratory Results, 2022-23	Adenovirus	17	23	20	17	350
	Enterovirus	30	27	46	29	460
	Influenza A	207	150	151	92	13,625
	Influenza B	27	18	28	20	606
	Parainfluenza	10	7	17	20	466
	RSV	64	50	37	36	3,926
	Negative	4,531	4,795	4,600	4,271	82,330
	<b>Total</b>	<b>4,886</b>	<b>5,070</b>	<b>4,899</b>	<b>4,485</b>	<b>101,763</b>

Of the 4,485 specimens tested during Week 6, 4.8% (n=214) were positive for any type of respiratory illness. Influenza A accounted for 43.0% (n=92), RSV accounted for 16.8% (n=36), enterovirus accounted for 13.6% (n=29), influenza B and parainfluenza both accounted for 9.3% (n=20), and adenovirus accounted for 7.9% (n=17). Additionally, the reported number of specimens tested decreased by 8.5% from Week 5 to Week 6.

Significantly more tests for influenza have been conducted this season compared to past seasons; 100,437 specimens have been tested for influenza A so far this season compared to the average of 35,404 specimens during the same time period in 2017-2020.

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

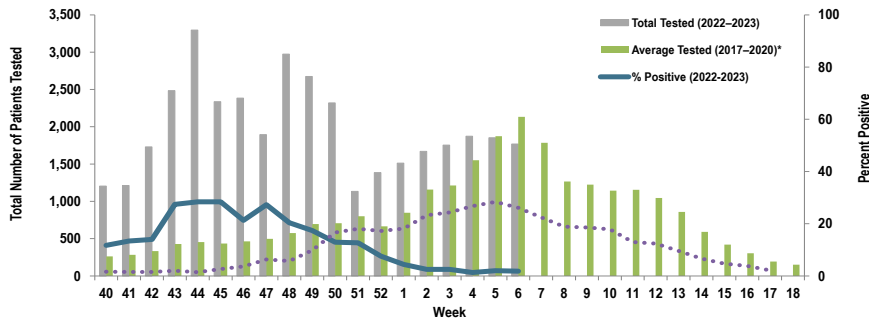


Nationwide in Week 6, incident ILI activity was 2.6%; this is above the national baseline of 2.5%. Additionally, a total of 84,389 specimens were tested for influenza by select clinical laboratories and submitted to the CDC; 1,155 (1.4%) were positive. Influenza A accounted for 82.3% (n=951) of the total positive specimens.

**Locations providing Week 6 laboratory data as of 15 February 2023:** 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. Irwin, Ft. Jackson, Ft. Leavenworth, Ft. Lee, Ft. Leonard Wood, Ft. Lewis, Ft. Meade, Ft. Riley, Ft. Rucker, Ft. Sam Houston, Ft. Sil, Ft. Stewart, Ft. Wainwright, Korea, Redstone Arsenal, Tripler Army Medical Center, and the U.S. Military Academy.

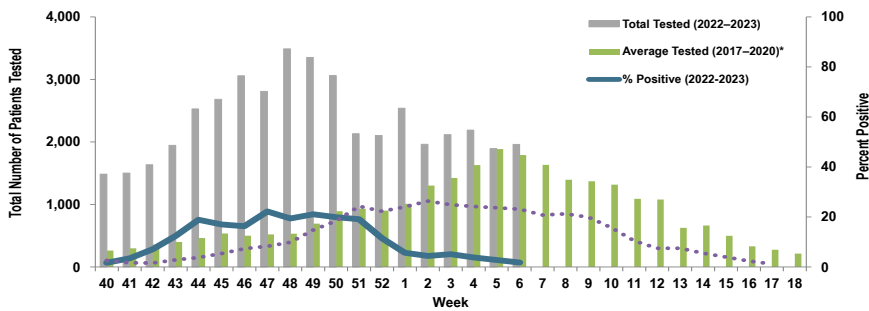
## Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2022–2023 as Compared to 2017–2020\*

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



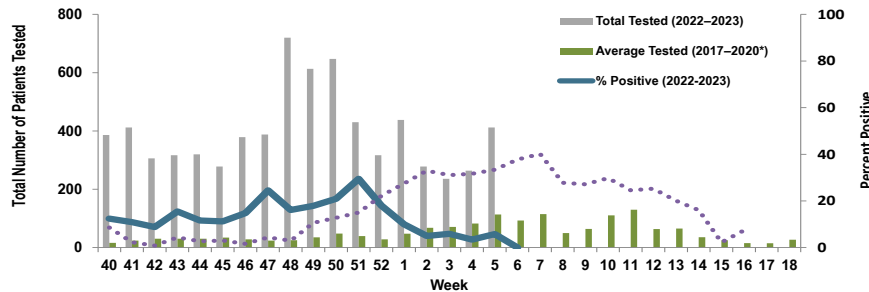
Week 6			
Age Group	AD	Non-AD	Season Total
< 18	0	9	2,891
18–29	3	2	1,232
30–39	4	2	725
40–49	2	2	356
50–59	2	3	236
60+	0	2	248
<b>Total</b>	<b>11</b>	<b>20</b>	<b>5,688</b>

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



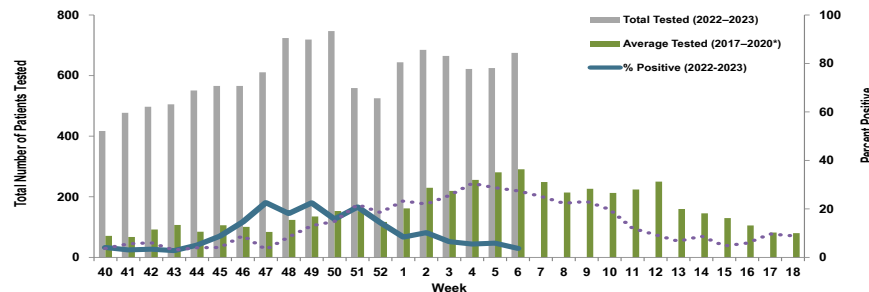
Week 6			
Age Group	AD	Non-AD	Season Total
< 18	0	11	2,758
18–29	11	2	1,280
30–39	4	5	702
40–49	1	1	348
50–59	0	1	206
60+	0	0	349
<b>Total</b>	<b>16</b>	<b>20</b>	<b>5,643</b>

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



Week 6			
Age Group	AD	Non-AD	Season Total
< 18	0	0	579
18–29	0	0	196
30–39	0	0	146
40–49	0	0	72
50–59	0	0	22
60+	0	0	23
<b>Total</b>	<b>0</b>	<b>0</b>	<b>1,038</b>

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



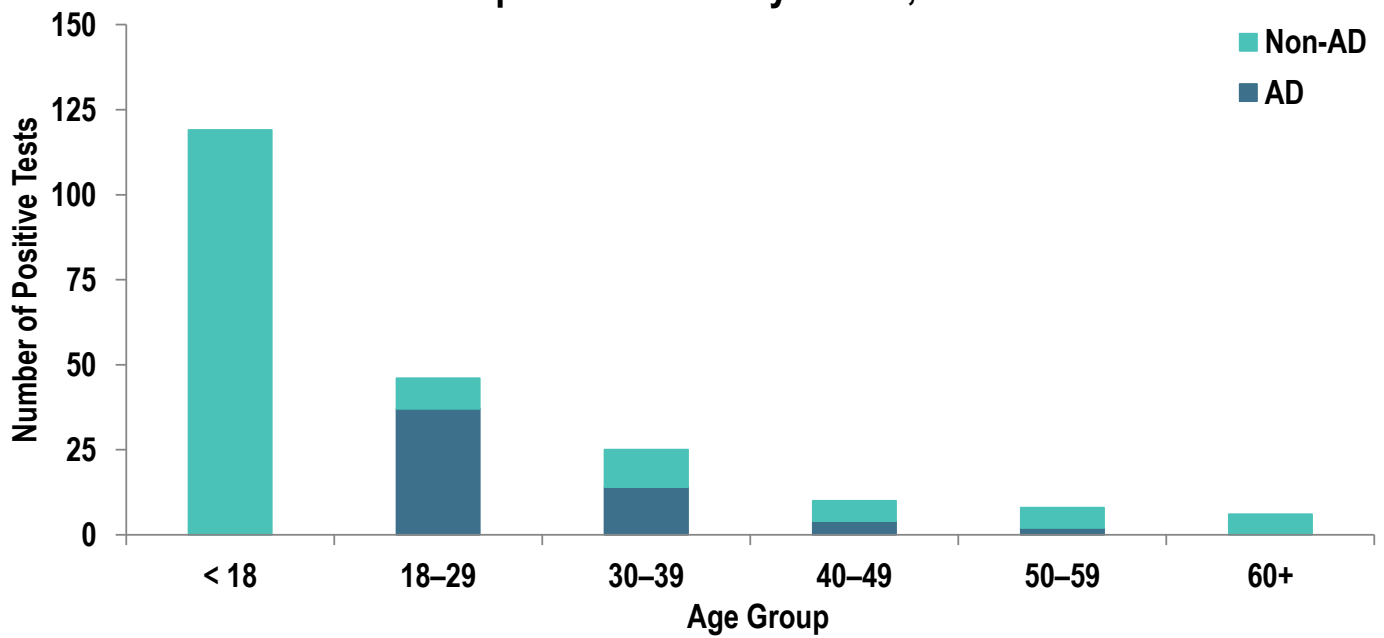
Week 6			
Age Group	AD	Non-AD	Season Total
< 18	0	13	493
18–29	6	1	320
30–39	2	2	204
40–49	0	1	76
50–59	0	0	41
60+	0	0	91
<b>Total</b>	<b>8</b>	<b>17</b>	<b>1,225</b>

\*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.

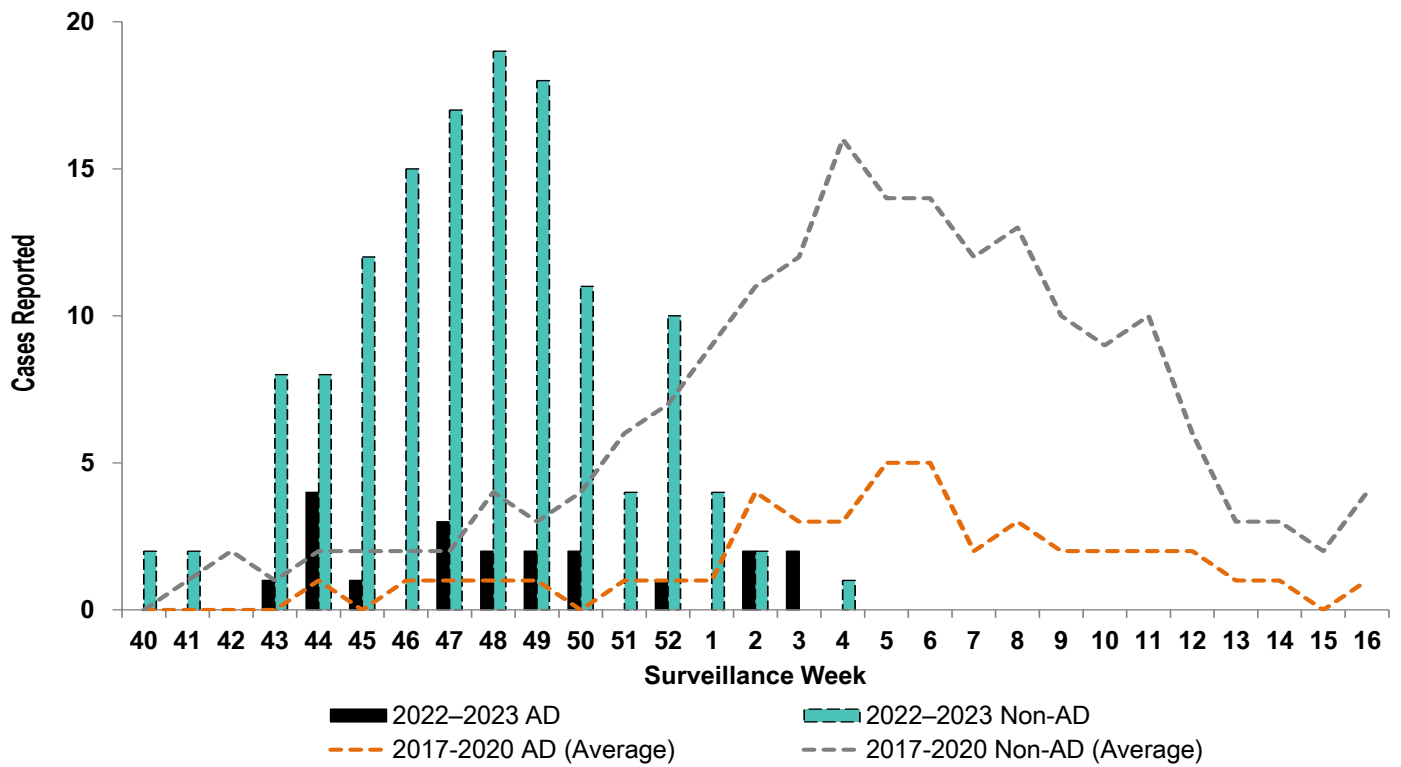
### Number of Positive Influenza A Specimens by Region and Duty Status

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 6



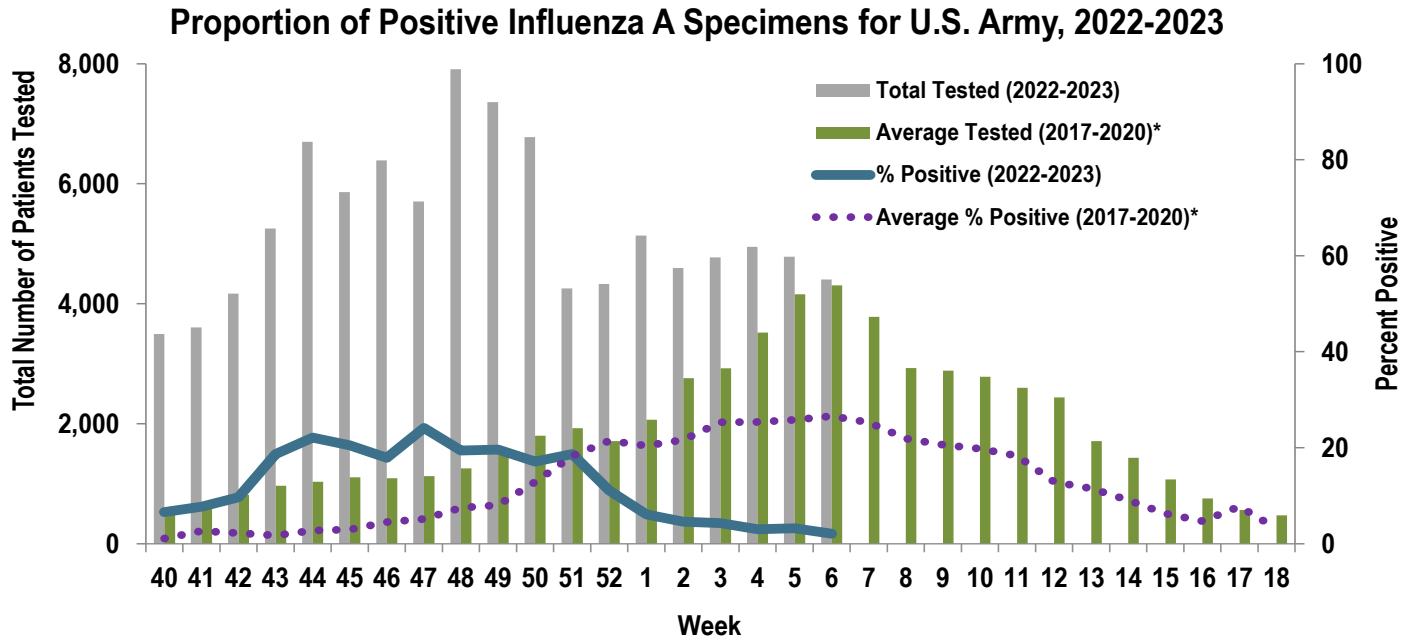
**Army Influenza-Associated Hospitalizations Reported in DRSi by Onset Week**



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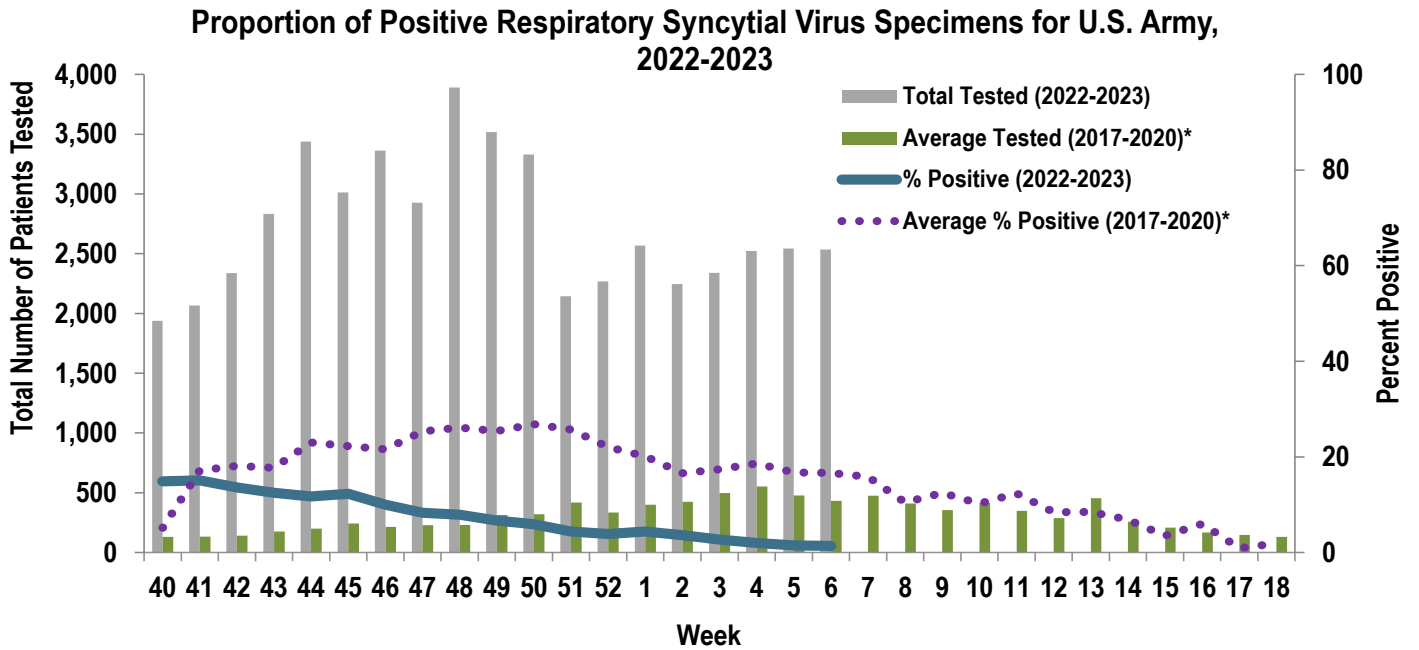


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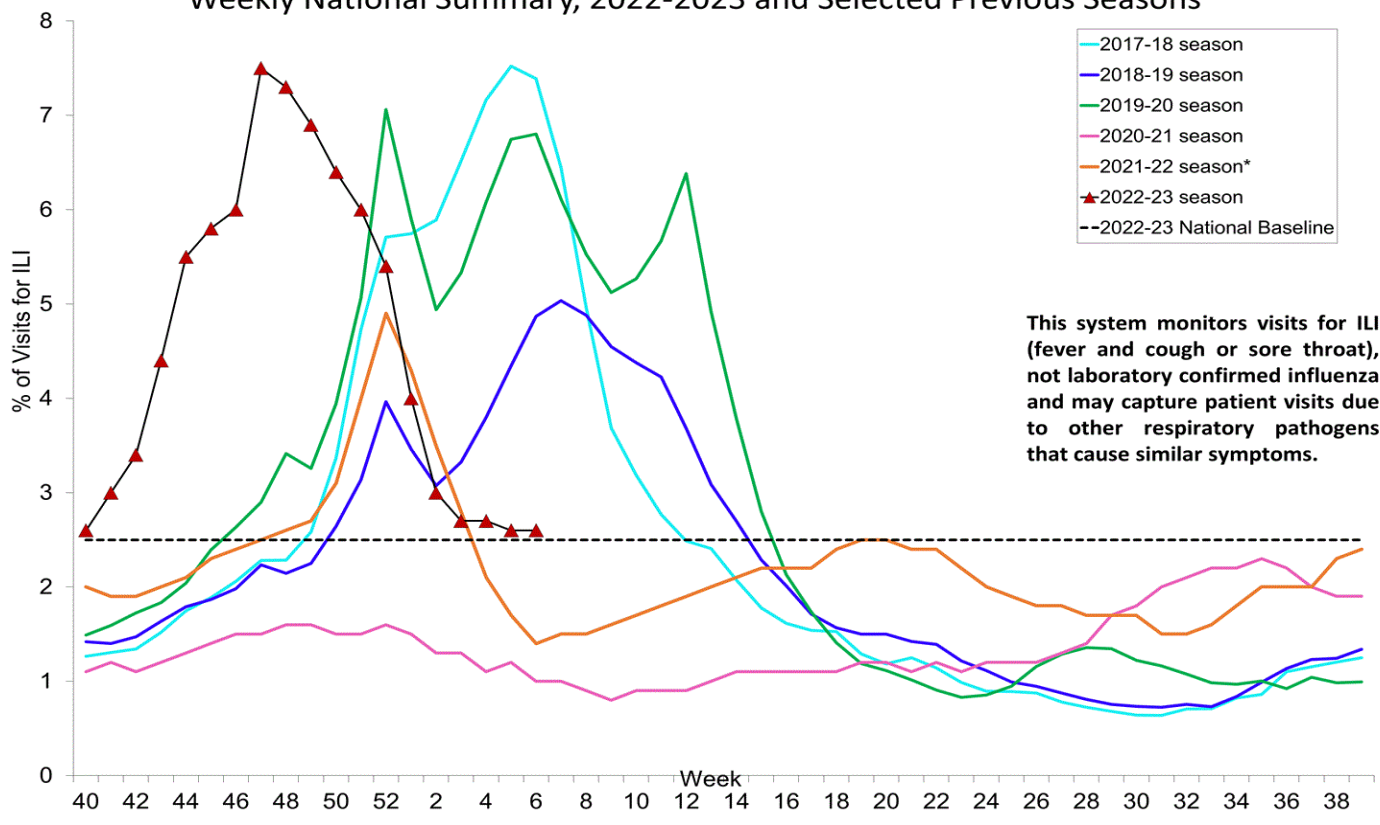
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Percentage of Outpatient Visits for Respiratory Illness Reported By The U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2022-2023 and Selected Previous Seasons



This system monitors visits for ILI (fever and cough or sore throat), not laboratory confirmed influenza and may capture patient visits due to other respiratory pathogens that cause similar symptoms.

Source: Centers for Disease Control and Prevention (CDC)



**Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, October 2, 2022 – February 11, 2023**

