

U.S. Army Public Health Center

# Army Influenza Activity Report

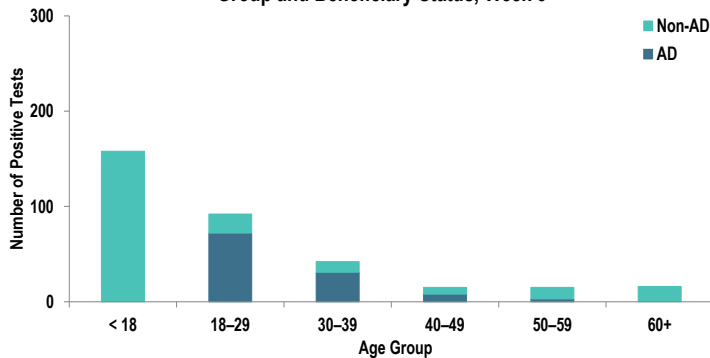
Week ending 21 January 2023 (Week 3)

## SUMMARY

Influenza A activity slightly decreased since the previous surveillance week in the Army population. Two hundred positive influenza A and twenty-three influenza B specimens were reported during surveillance Week 3. Additionally, 2 influenza-associated hospitalizations were reported in Week 3; the season total thus far is 152 hospitalizations compared to an average of 81 influenza-associated hospitalizations during the same time period during 2017–2020. Nationwide, influenza activity continues to decline, with 3.0% 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 3



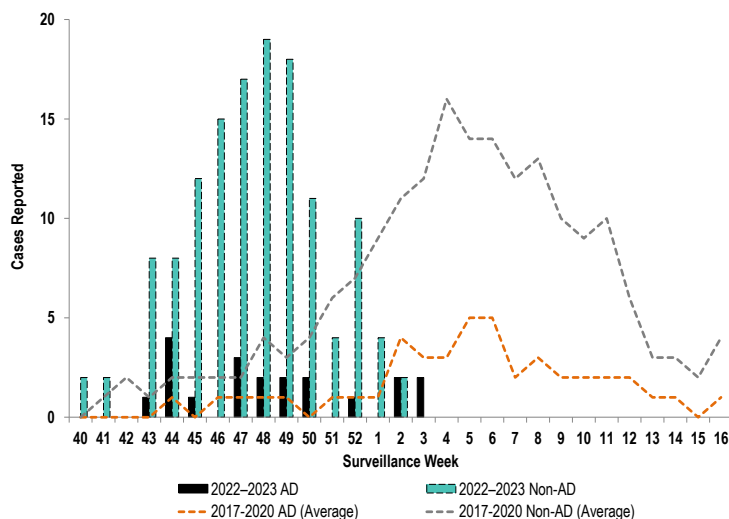
**AD:** One hundred and fourteen positive respiratory specimens were collected from active duty (AD) Service members (SMs) during Week 3; 63.2% (n=72) of the positive specimens were collected from SMs 18 – 29 years of age.

**Non-AD:** Two hundred and twenty-four positive respiratory specimens were collected from non-AD individuals during Week 3; 70.5% (n=158) 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



Two influenza-associated hospitalizations among AD service members with an onset date in Week 3 were reported to the Disease Reporting System internet (DRSi). The season total thus far is 152 hospitalizations. The Week 3 average during the 2017–2020 seasons was 19 hospitalizations (with an average of 90 hospitalizations reported from the start of the season through Week 3).

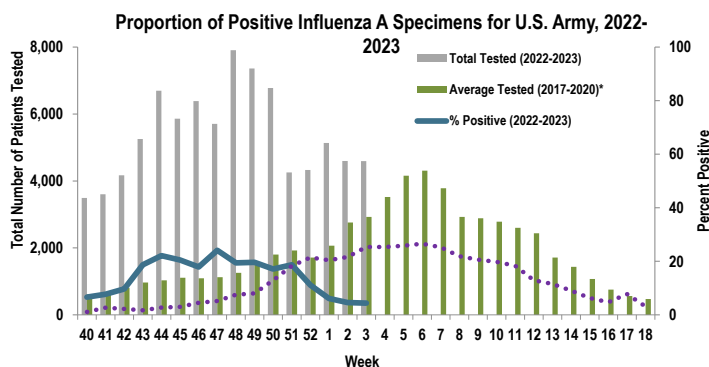
*The DRSi does not capture cases older than 65 years old for influenza-associated hospitalizations.*

Data are preliminary and subject to change.

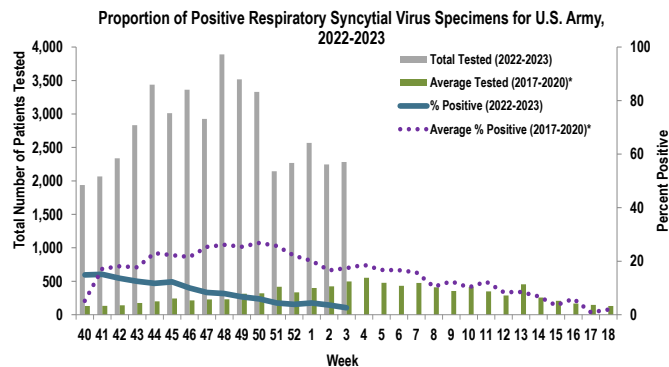
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[Email APHC DEP](mailto:APHC_DEP@army.mil)

## INFLUENZA A ACTIVITY - ARMY



## RSV ACTIVITY - ARMY



Of the 4,594 specimens tested for influenza A during Week 3, 4.4% (n=200) were positive. This is a slight decrease from Week 2 (4.6%).

Of the 2,282 specimens tested for RSV during Week 3, 2.6% (n=59) were positive. This is a decrease of one percentage point from Week 2 (3.6%).

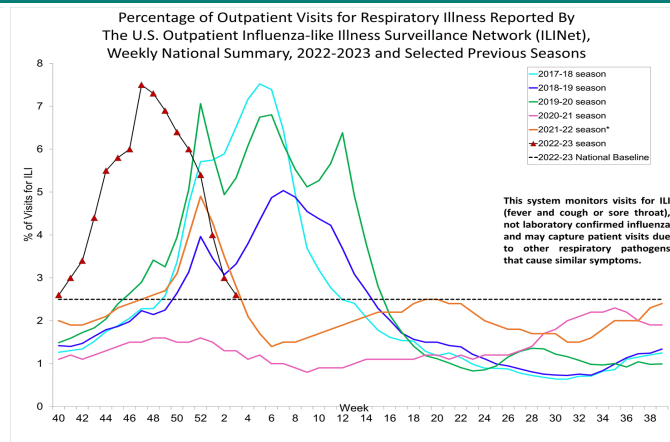
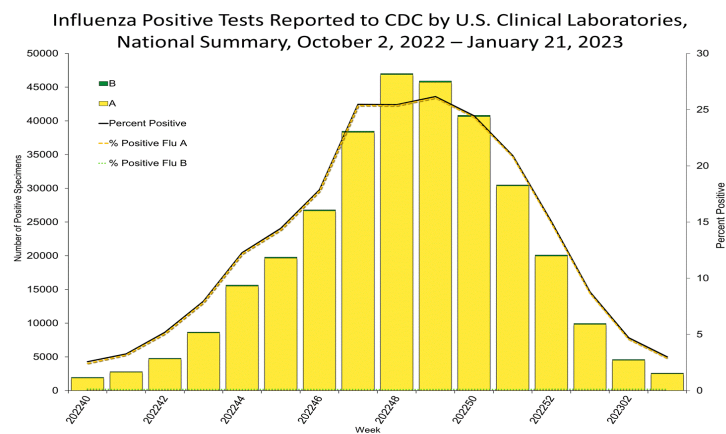
Data from the 2020–2021 and 2021–2022 influenza seasons are not included in comparison calculations due to the unusually low incidence of influenza.

		Week 52	Week 1	Week 2	Week 3	Season Total
Army MTF Laboratory Results, 2022-23	Adenovirus	18	22	18	17	290
	Enterovirus	23	15	20	30	358
	Influenza A	479	311	211	200	13,225
	Influenza B	18	43	37	23	536
	Parainfluenza	25	14	16	9	421
	RSV	88	113	80	59	3,798
	Negative	3,746	4,684	4,287	4,363	68,496
	<b>Total</b>	<b>4,397</b>	<b>5,202</b>	<b>4,669</b>	<b>4,701</b>	<b>87,124</b>

Of the 4,701 specimens tested during Week 3, 7.2% (n=338) were positive for any type of respiratory illness. Influenza A accounted for 59.2% (n=200), RSV accounted for 17.5% (n=59), enterovirus accounted for 8.9% (n=30), influenza B accounted for 6.8% (n=23), adenovirus accounted for 5.0% (n=17), and parainfluenza accounted for 2.7% (n=9). Additionally, the reported number of specimens tested increased by 1% from Week 2 to Week 3.

Significantly more tests for influenza have been conducted this season compared to past seasons; 85,650 specimens have been tested for influenza A so far this season compared to the average of 23,420 specimens during the same time period in 2017-2020.

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

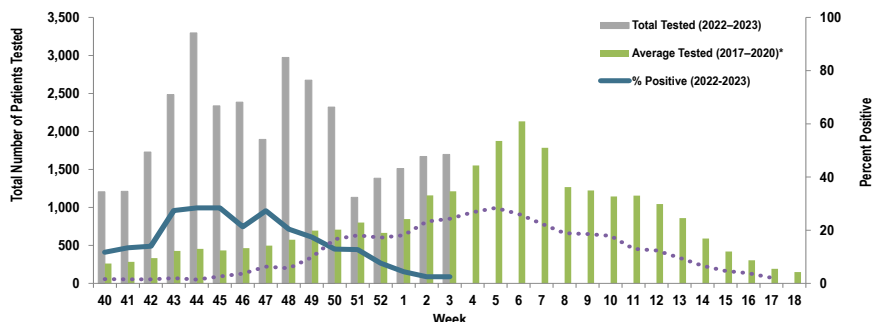


Nationwide in Week 3, incident ILI activity was 2.6%; this is above the national baseline of 2.5%. Additionally, a total of 86,499 specimens were tested for influenza by select clinical laboratories and submitted to the CDC; 2,588 (3.0%) were positive. Influenza A accounted for 96.0% (n=2,484) of the total positive specimens.

**Locations providing Week 3 laboratory data as of 25 January 2023:** 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, Korea, Landstuhl Regional Medical Center, Redstone Arsenal, Tripler Army Medical Center, the U.S. Military Academy, and Walter Reed National Military Medical Center.

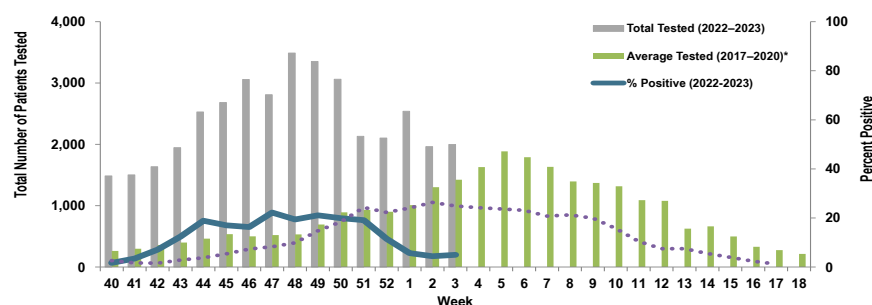
## Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2022–2023 as Compared to 2017–2020\*

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



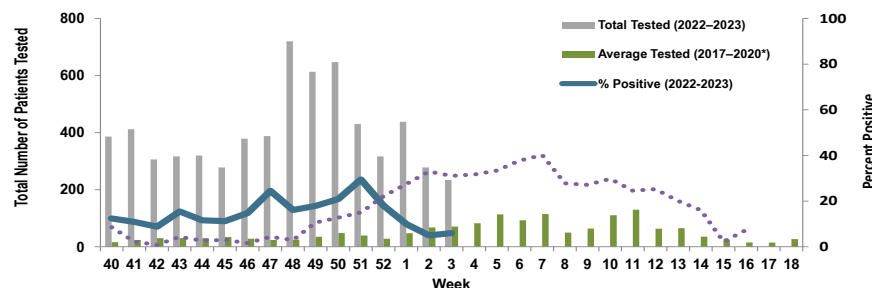
Week 3			
Age Group	AD	Non-AD	Season Total
< 18	0	10	2,864
18–29	8	3	1,202
30–39	6	0	713
40–49	3	1	347
50–59	2	4	225
60+	0	6	245
<b>Total</b>	<b>19</b>	<b>24</b>	<b>5,596</b>

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



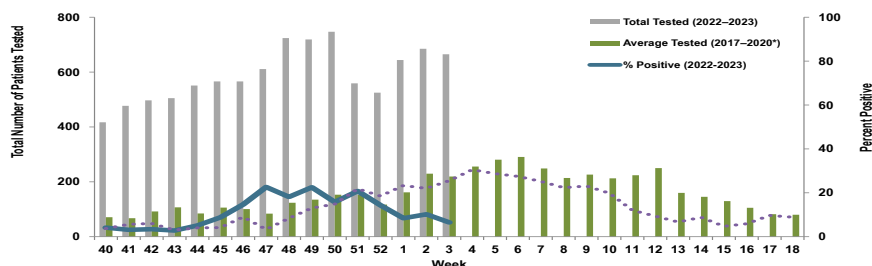
Week 3			
Age Group	AD	Non-AD	Season Total
< 18	0	29	2,716
18–29	35	9	1,200
30–39	12	5	675
40–49	4	2	337
50–59	0	2	199
60+	0	2	337
<b>Total</b>	<b>51</b>	<b>49</b>	<b>5,464</b>

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



Week 3			
Age Group	AD	Non-AD	Season Total
< 18	0	5	561
18–29	4	1	192
30–39	1	1	142
40–49	0	0	66
50–59	0	1	21
60+	0	1	23
<b>Total</b>	<b>5</b>	<b>9</b>	<b>1,005</b>

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



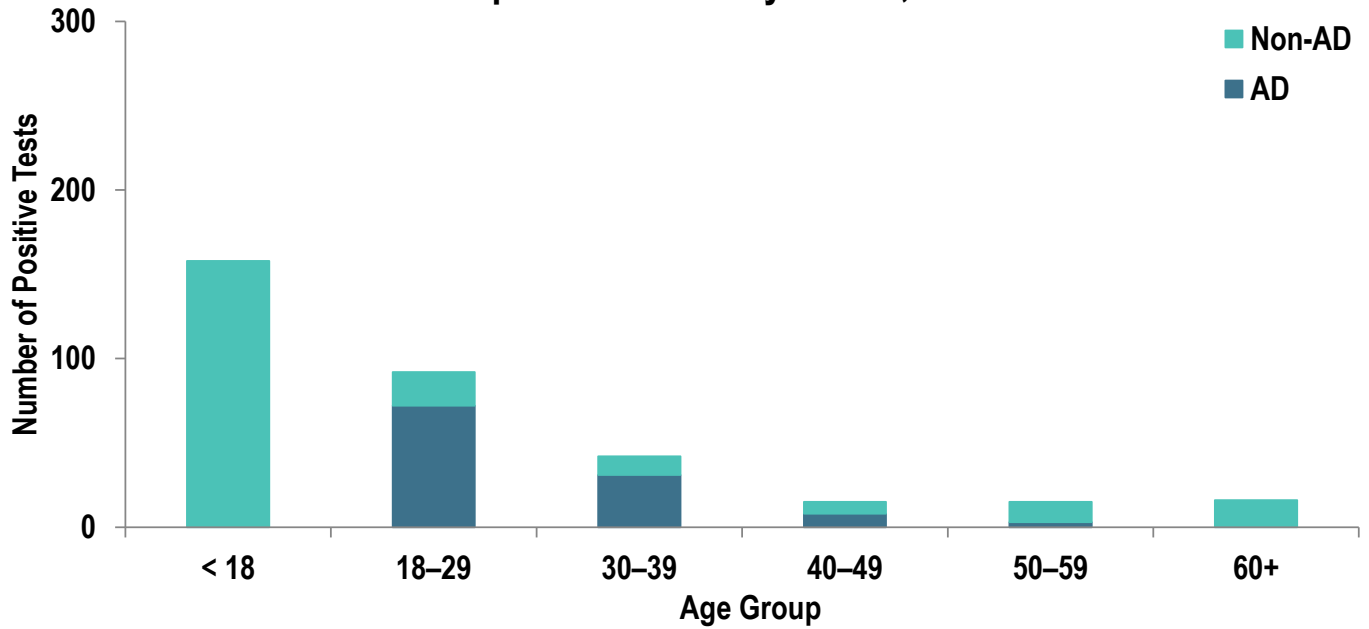
Week 3			
Age Group	AD	Non-AD	Season Total
< 18	0	19	461
18–29	10	2	284
30–39	8	1	183
40–49	0	1	74
50–59	0	2	39
60+	0	0	88
<b>Total</b>	<b>18</b>	<b>25</b>	<b>1,129</b>

\*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.

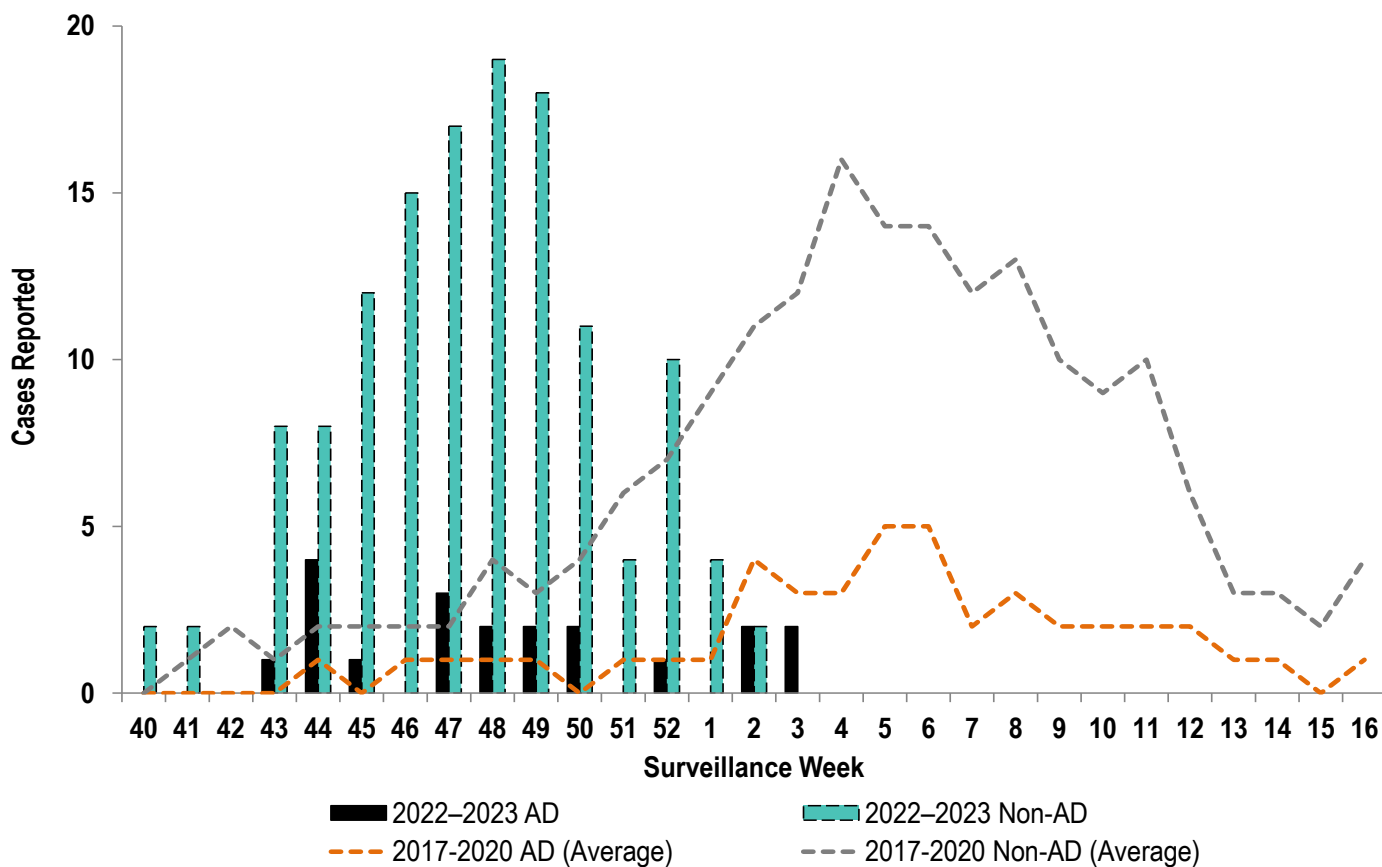
### Number of Positive Influenza A Specimens by Region and Duty Status

Region	Week 52		Week 1		Week 2		Week 3	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
RHC-A	32	73	30	37	16	25	19	24
RHC-C	49	193	51	95	34	52	51	49
RHC-E	18	39	20	24	3	11	5	9
RHC-P	19	56	23	31	41	29	18	25

**Positive Respiratory Specimen Results from Army MTFs by Age Group and Beneficiary Status, Week 3**



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

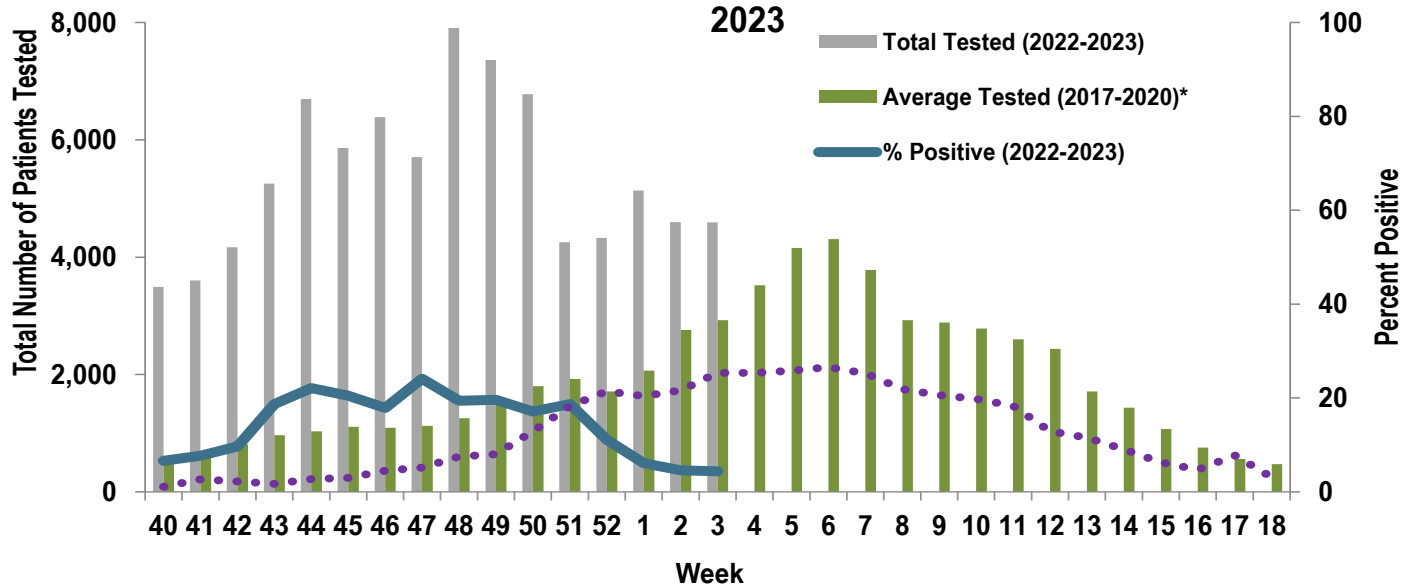


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Week ending 21 January 2023 (Week 3)

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

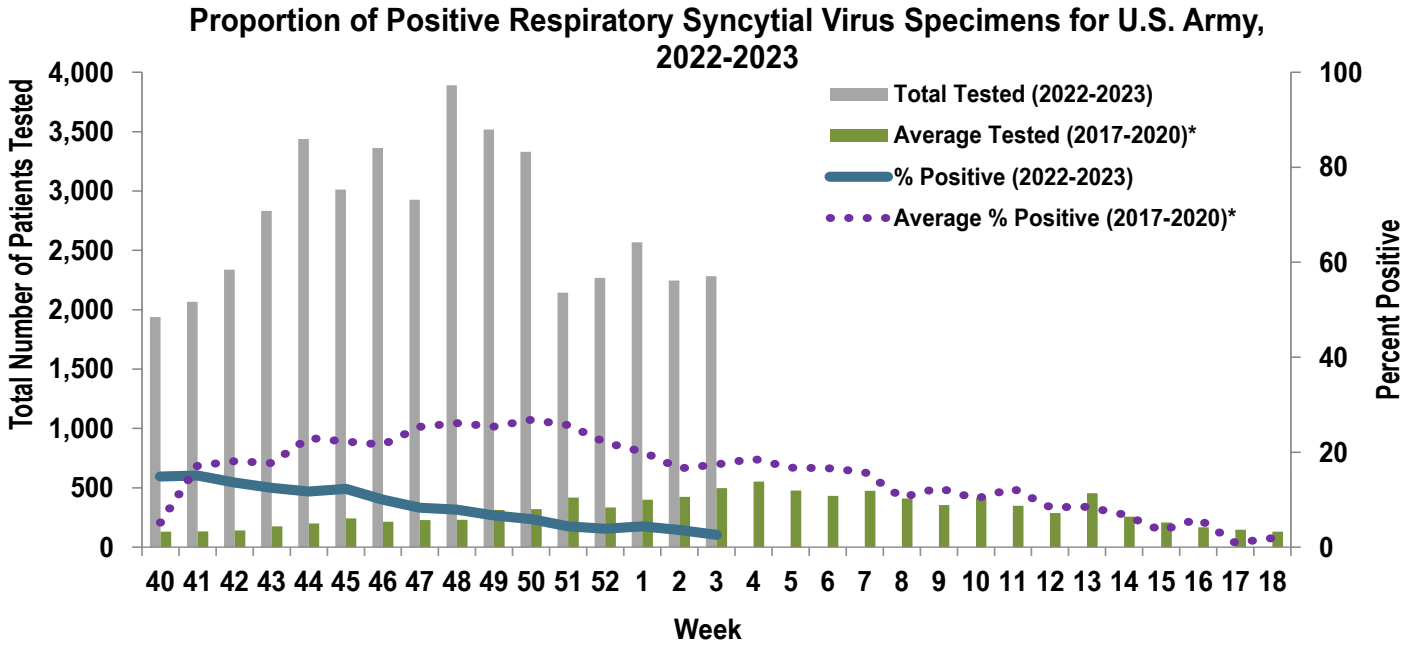


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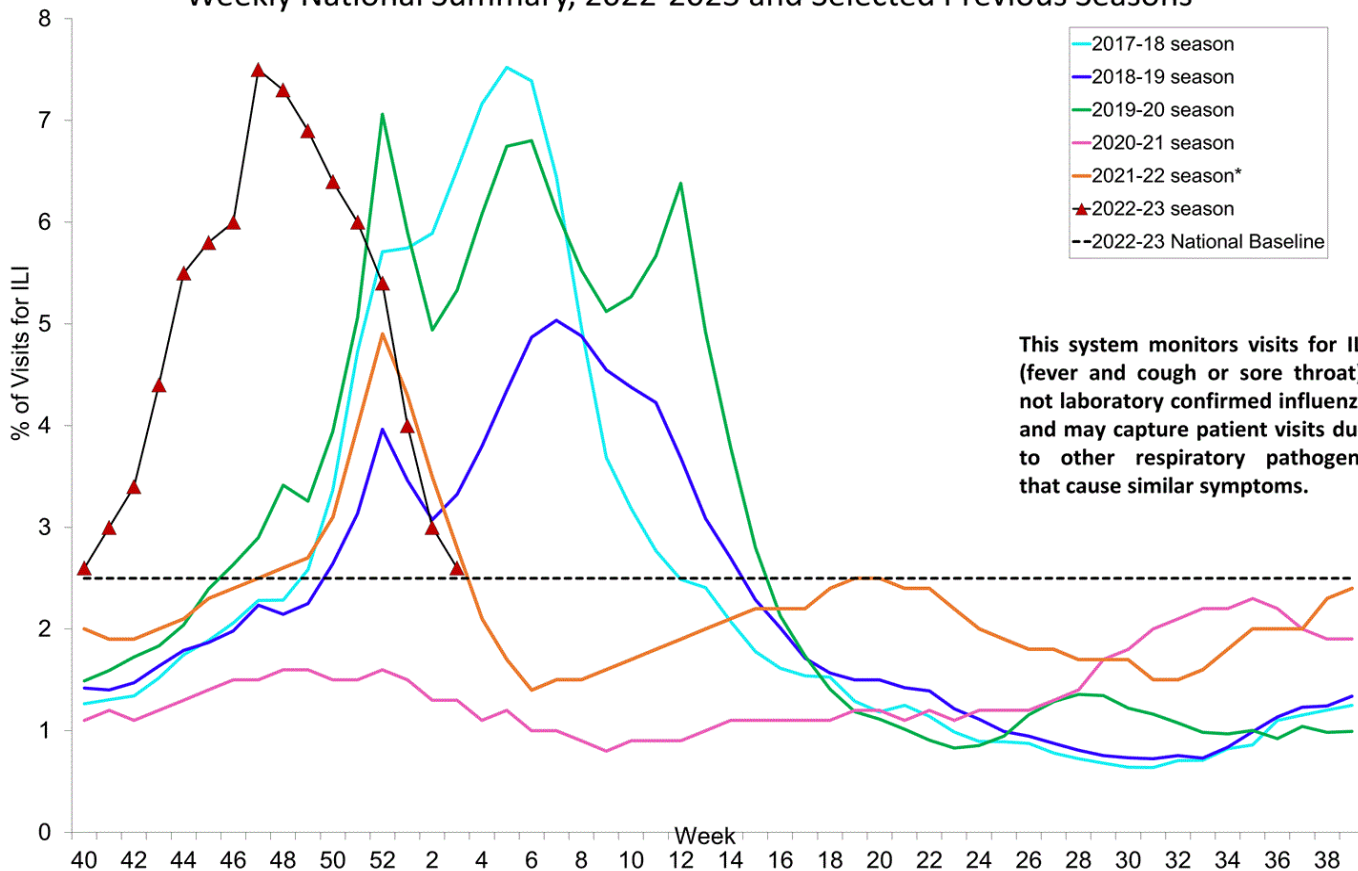
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Percentage of Outpatient Visits for Respiratory Illness Reported By The U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2022-2023 and Selected Previous Seasons





Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, October 2, 2022 – January 21, 2023

