



Click on images to enlarge.

U.S. Army Influenza Activity Report

Week Ending 22 October 2016 (Week 42)

2016-2017 Seasonal Influenza Vaccination Coverage

As of 27 October 2016

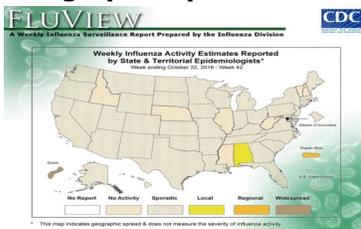
44%	DoD
47%	Army Active Duty
32%	Army Guard
65%	Army Reserve

Data Source: MEDPROS, ASIMS, MRRS

SYNOPSIS: RHC-A reported the most influenza A cases (3) during week 42. Influenza-like illness activity remains low in both Army and civilian populations.

- **ILI Activity:** Army incident ILI outpatient visits in week 42 were 16% lower than the same week last year.
- **Influenza cases:** No hospitalized influenza cases were reported to APHC through DRSi in week 42; At this same time during the last influenza season, two influenza-associated hospitalization was reported.
- **Viral specimens:** During week 42, 67 of 1578 (4%) laboratory specimens tested positive for respiratory pathogens. RHC-A reported most (43%) of the influenza A-positive specimens.

Geographic Spread

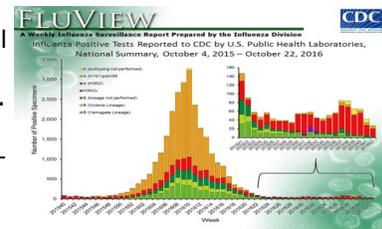


United States

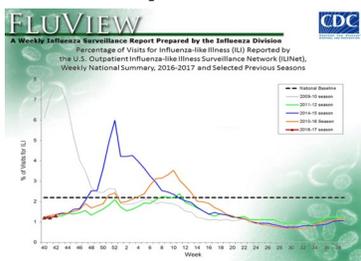
- In week 42, widespread influenza activity was reported in Guam. Alabama reported local influenza activity while Puerto Rico reported regional influenza activity. The District of Columbia, U.S. Virgin Islands, and 41 states reported sporadic activity. No activity was reported in eight states.

CDC Virologic Surveillance

- During week 42, 92.6% (25) of specimens collected for civilian labs tested positive for Influenza A. A(H3) accounted for 18 of the 25 samples. Six were A (H1N1)pdm09 and one was not subtyped.

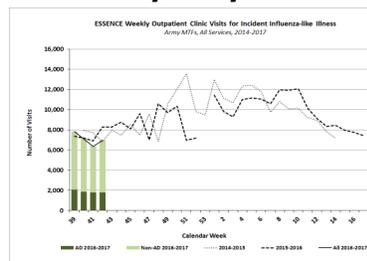


ILI Activity United States



- Nationwide during week 42, 1.3% of outpatient visits reported in ILINet were due to ILI, which is below the national baseline of 2.2%.
- The percentage of ILI outpatient visits ranged from 0.5% to 1.8% across the regions reporting.

ILI Activity Army



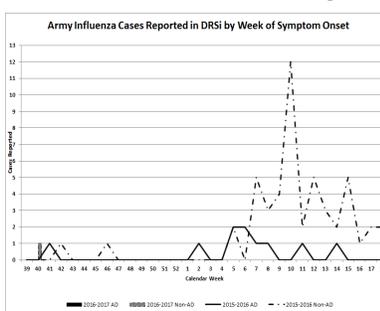
- During week 42, incident ILI activity was 16% lower than the same time last year and 2% higher than week 42 in 2014-2015.
- AD SMs accounted for 26% of incident ILI clinic visits during week 42; in 2015-2016, AD SMs comprised 25% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Test Result	Week 39	Week 40	Week 41	Week 42	Season Total
Influenza A	1	8	2	7	18
Influenza B	1	3	3	4	11
Adenovirus	0	2	6	11	19
Enterovirus	0	3	14	8	25
Parainfluenza	1	2	12	8	23
RSV	0	14	36	29	79
Negative	47	418	513	600	991
Total Results	50	450	586	1578	1166

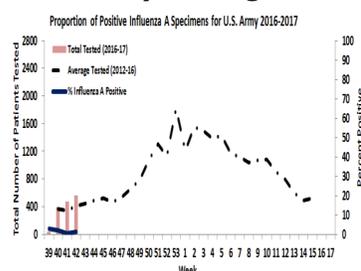
- In week 42, 4% (67) of specimens tested positive.
- RSV and adenovirus accounted for 43% and 16% of positive specimens, respectively.
- Parainfluenza accounted for 11% of positive specimens.
- Influenza A accounted for 10%, and influenza B for 6%.

DRSi Influenza Case Reporting



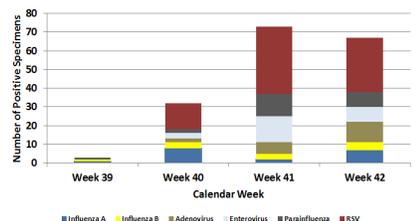
- In week 42, no cases of influenza-associated hospitalization were reported in DRSi.
- At the same time last influenza season, two influenza-associated hospitalizations were reported. One case has been reported so far this season.

Laboratory Testing for Influenza A



- In week 42, 7 of 559 (1.3%) specimens tested positive for influenza A. This was an increase from week 41 (0.4%). Five (71%) of the positive influenza A specimens were from non-active duty individuals.
- RHC-A reported 3 (43%) of the total influenza A-positive specimens. RHC-C and RHC-P both reported 2 (29%) influenza A-positive specimens. RHC-E and CENTCOM did not report any positive influenza-A specimens.

Positive Respiratory Specimen Results from Army MTFs by Virus, 2016-2017 Influenza Season



Additional Resources: [Army Influenza Reports](#); [ARD Reports](#); [AFHSC Influenza Reports](#); [NHRC FRI Reports](#); [DoD Global Influenza Surveillance Program](#); [DoD Pandemic Influenza Watchboard](#); [CDC](#)
Key: ILI- Influenza-Like Illness; DRSi- Disease Reporting System Internet; NHRC- Naval Health Research Center; ADV- Adenovirus; RSV-Respiratory Syncytial Virus; DED- Disease Epidemiology Division; SM-Service Member

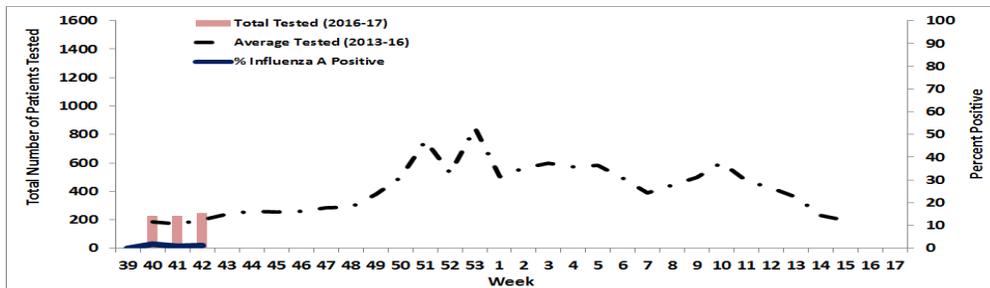
Questions?
Email APHC DEP
 410-436-7605



U.S. Army Influenza Activity Report

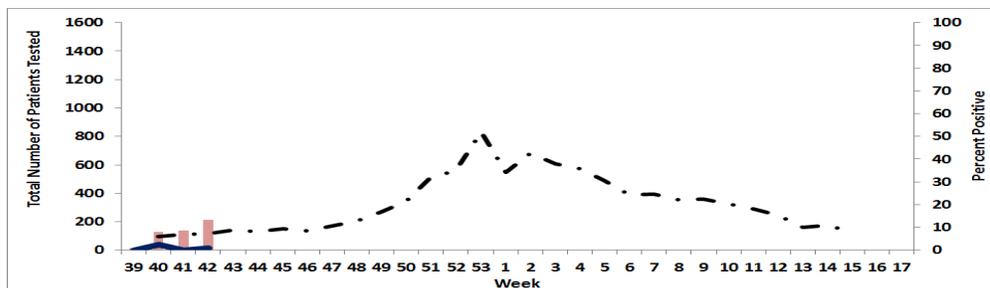
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2016-2017 as Compared to 2013-2016

Regional Health Command - Atlantic (RHC-A)



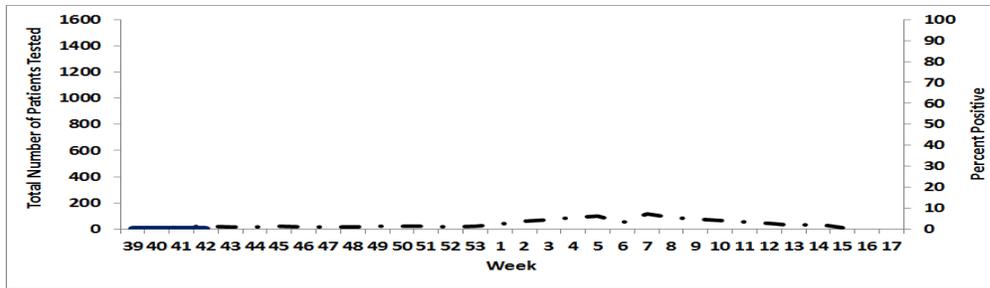
Week 42			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	5
18-29	0	0	2
30-39	0	0	0
40-49	1	0	1
50-59	0	1	1
60+	0	0	0
Total	1	2	9

Regional Health Command - Central (RHC-C)



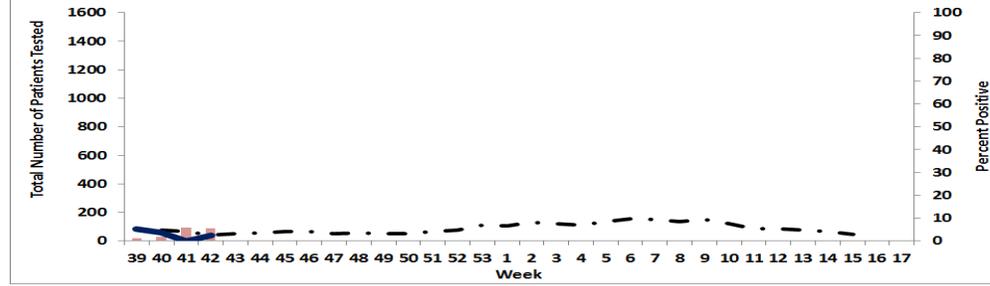
Week 42			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	1
18-29	0	1	2
30-39	0	0	0
40-49	0	0	0
50-59	0	1	1
60+	0	0	1
Total	0	2	5

Regional Health Command - Europe (RHC-E)



Week 42			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	0
18-29	0	0	0
30-39	0	0	0
40-49	0	0	0
50-59	0	0	0
60+	0	0	0
Total	0	0	0

Regional Health Command - Pacific (RHC-P)



Week 42			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	2
18-29	0	0	1
30-39	1	0	1
40-49	0	0	0
50-59	0	0	0
60+	0	0	0
Total	1	1	4

Number of Positive Influenza A Specimens by Duty Status and Region

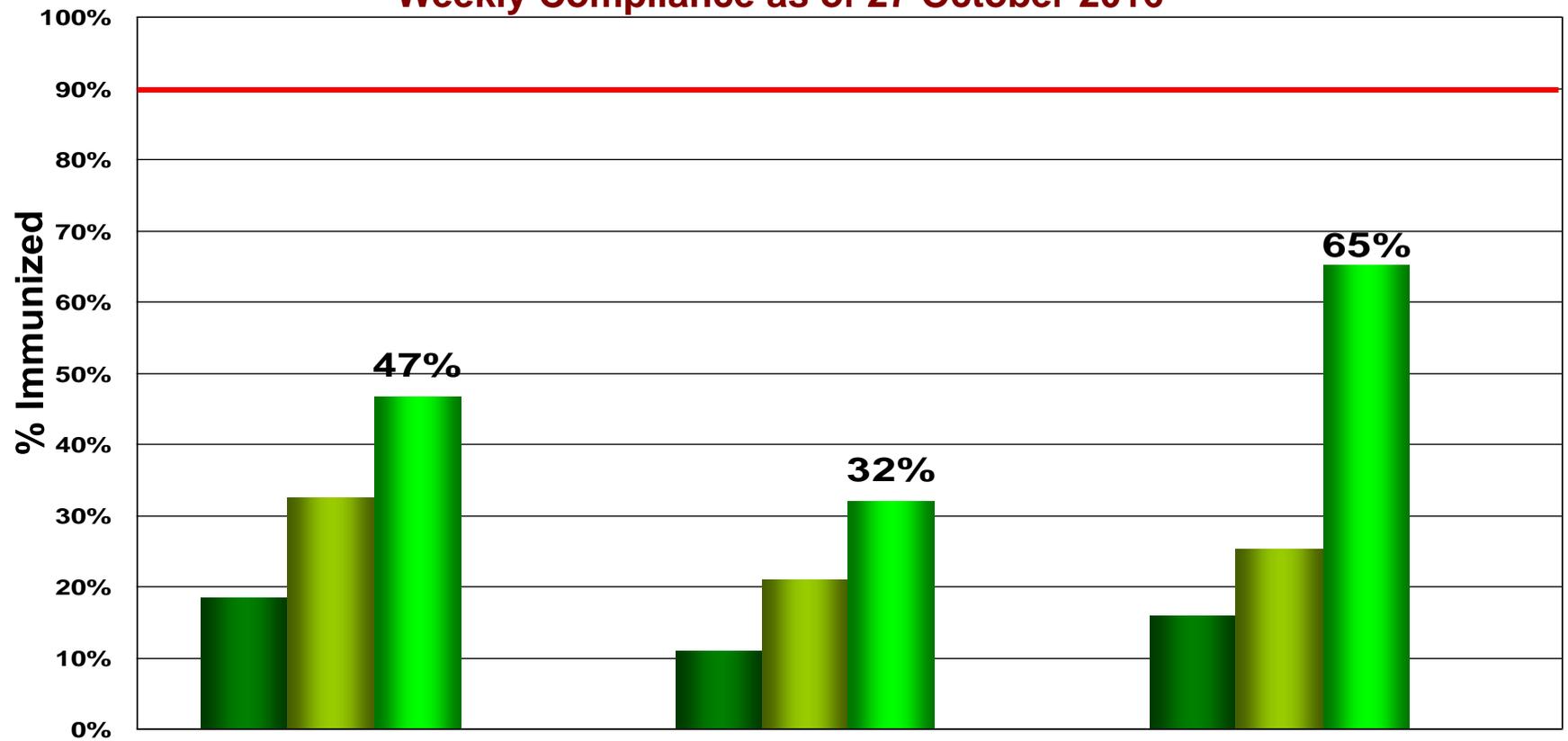
Region	Week 39		Week 40		Week 41		Week 42		Week 43		Week 44		Week 45		Week 46	
	AD	Non-AD														
RHC-A	0	0	1	3	1	1	1	2								
RHC-C	0	0	1	2	0	0	0	2								
RHC-E	0	0	0	0	0	0	0	0								
RHC-P	0	1	0	1	0	0	1	1								
CENTCOM	0	0	0	0	0	0	0	0								

Locations providing week 42 laboratory data as of 26 October 2016: Ft Belvoir (NCR), Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Huachuca, Ft Irwin, 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, Redstone Arsenal, Tripler, West Point, and Walter Reed.



Seasonal Influenza Immunization Status

Weekly Compliance as of 27 October 2016



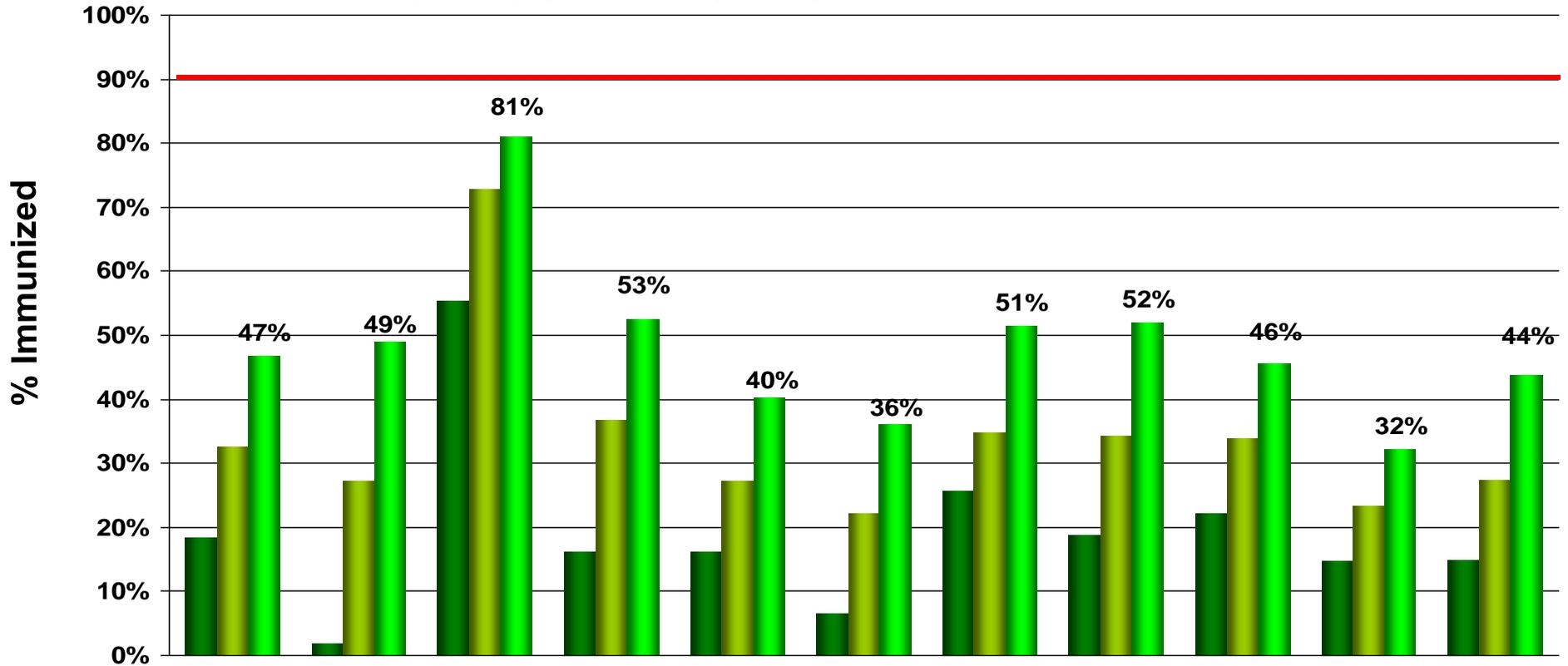
	Active Army (COMPO 1)	National Guard (COMPO 2)	Reserve (COMPO 3)
# Eligible*	468,925	335,988	187,235
# Immunized	218,435	107,064	65,347
# Non-Immunized	250,490	228,924	121,861

Data Source: MEDPROS
 *Eligible = Assigned – Exempt
 Previous weeks included for comparison



Seasonal Influenza Immunization Status

Weekly Army (COMPO 1) compliance as of 27 October 2016



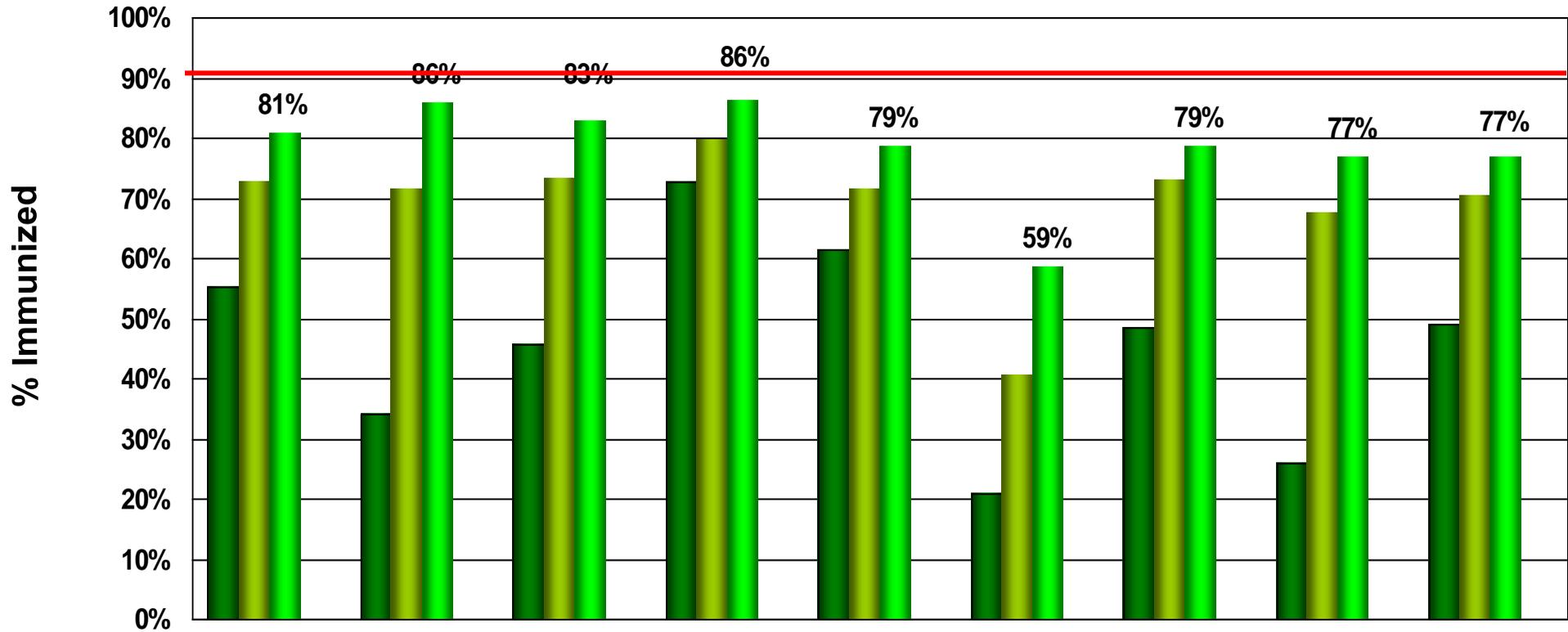
	Active ARMY Total	USAREUR	MEDCOM	USARPAC	FORSCOM	ARCENT	AMC	TRADOC	USASOC	IMCOM	HQ, US ARMY
# Eligible*	468,925	18,642	28,261	44,106	217,776	1,869	2,653	75,498	29,895	4,071	3,652
# Immunized	218,925	9,111	22,863	23,170	87,603	675	1,360	39,149	13,591	1,302	1,591
# Non-Immunized	250,490	9,531	5,398	20,936	130,173	1,194	1,293	36,349	16,304	2,769	2,061

Data Source: MEDPROS
 *Eligible = Assigned – Exempt
 Previous two weeks included for comparison



Seasonal Influenza Immunization Status

MEDCOM (COMPO 1) compliance as of 27 October 2016



	MEDCOM Total	RHC-E	RHC-P	RHC-C	RHC-A	MRMC	AMEDD C&S	OneStaff**	DHA NCR Army Personnel
# Eligible*	28,261	1,825	5,093	6,847	6,611	1,001	3,993	509	2,425
# Immunized	22,863	1,569	4,225	5,906	5,204	587	3,134	403	1,867
# Non-Immunized	5,398	256	868	941	1,407	414	859	105	558

Data Source: MEDPROS

*Eligible = Assigned - Exempt

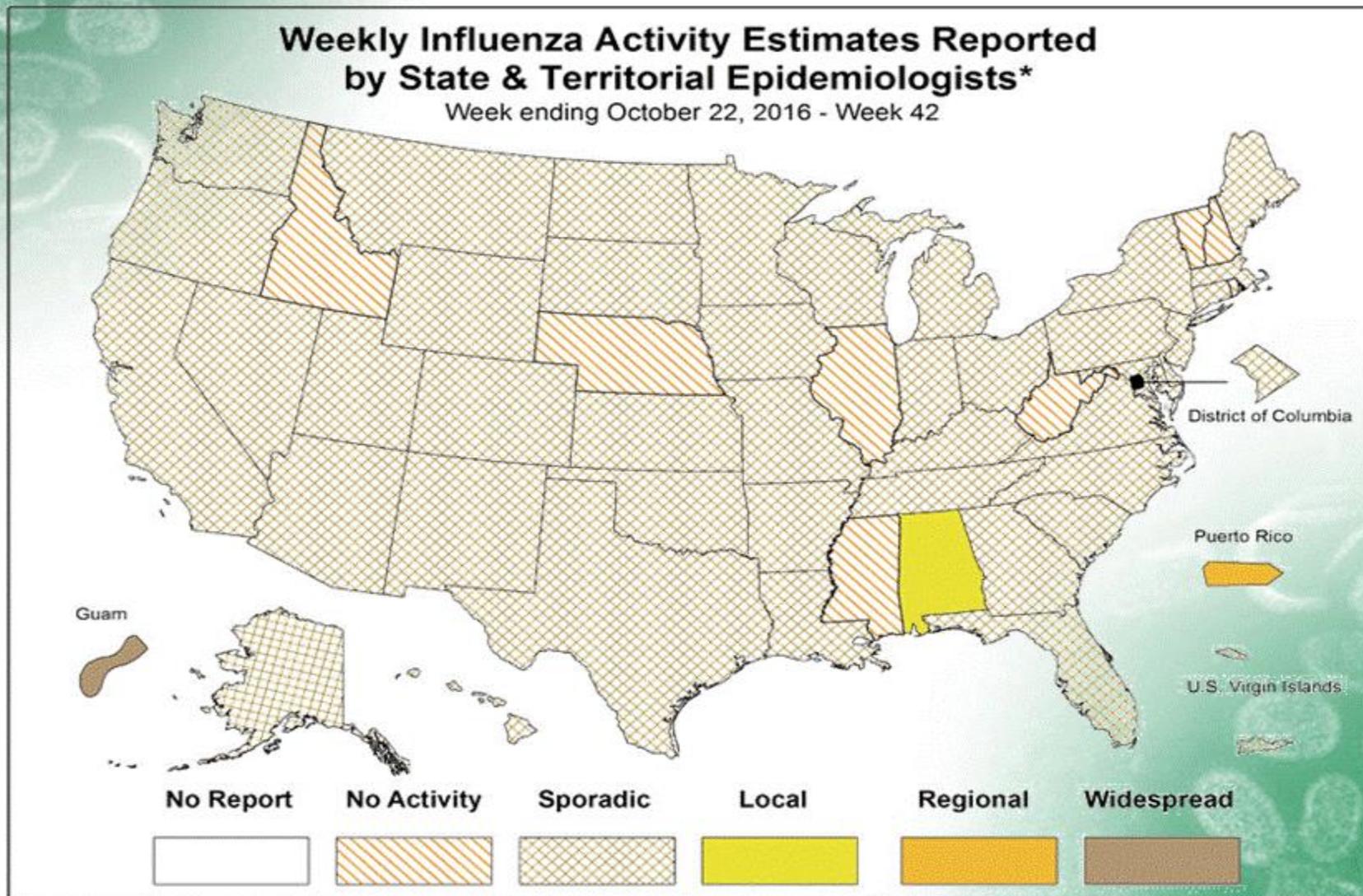
**Includes MEDCOM North & South

Previous two weeks included for comparison

FLUVIEW



A Weekly Influenza Surveillance Report Prepared by the Influenza Division



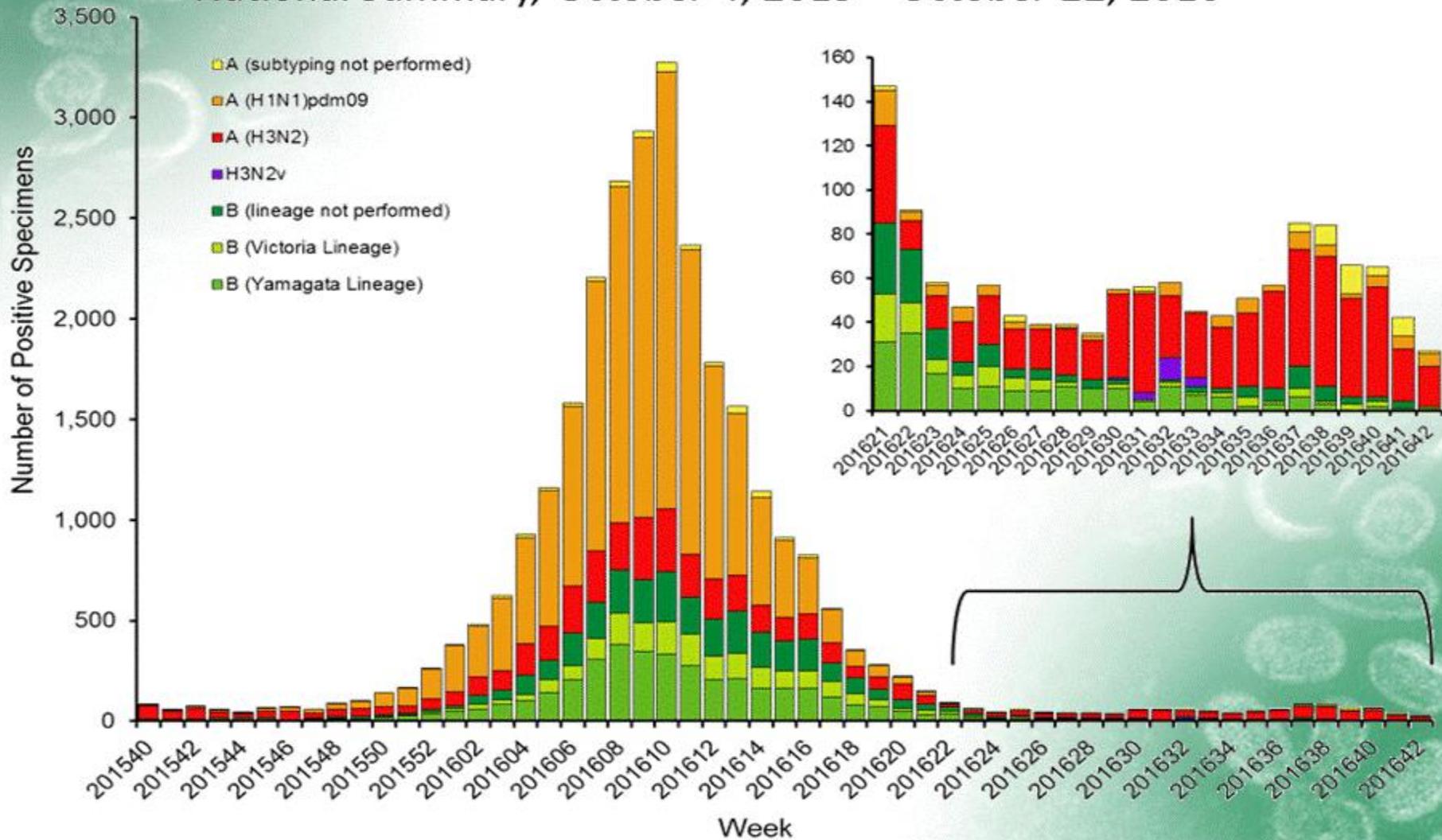
* This map indicates geographic spread & does not measure the severity of influenza activity

FLUVIEW



A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, October 4, 2015 – October 22, 2016

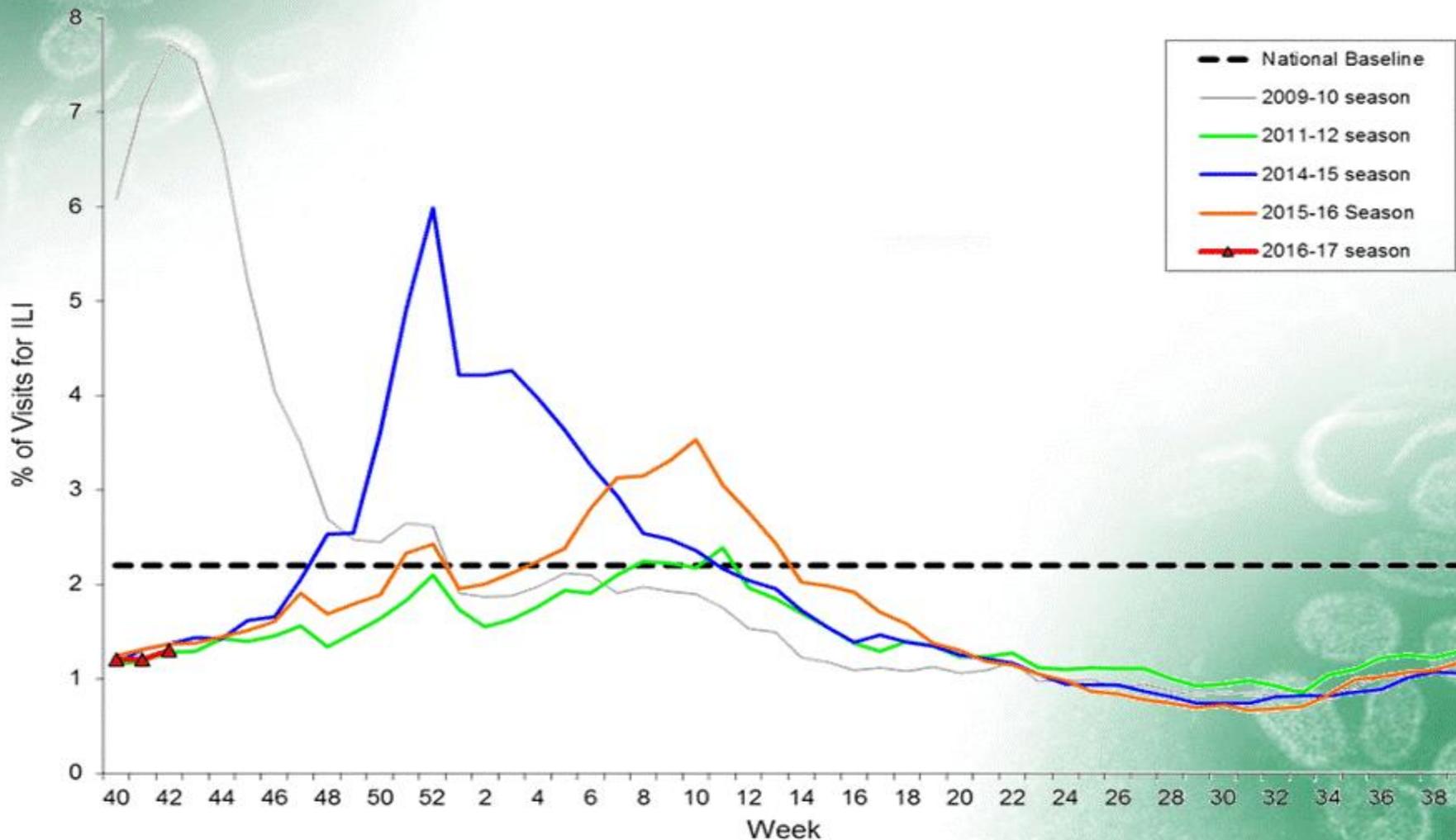


FLUVIEW



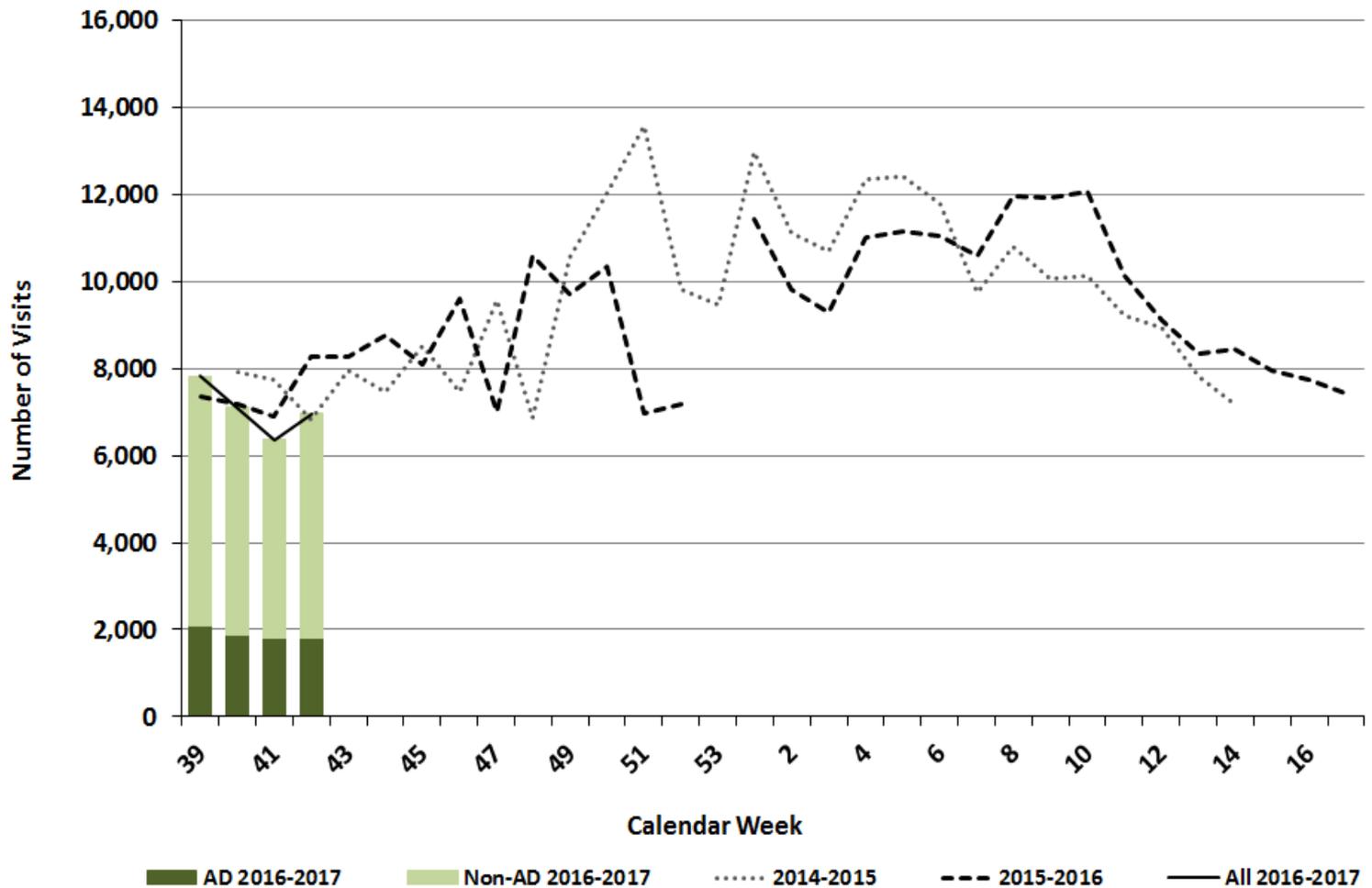
A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2016-2017 and Selected Previous Seasons



ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

Army MTFs, All Services, 2014-2017

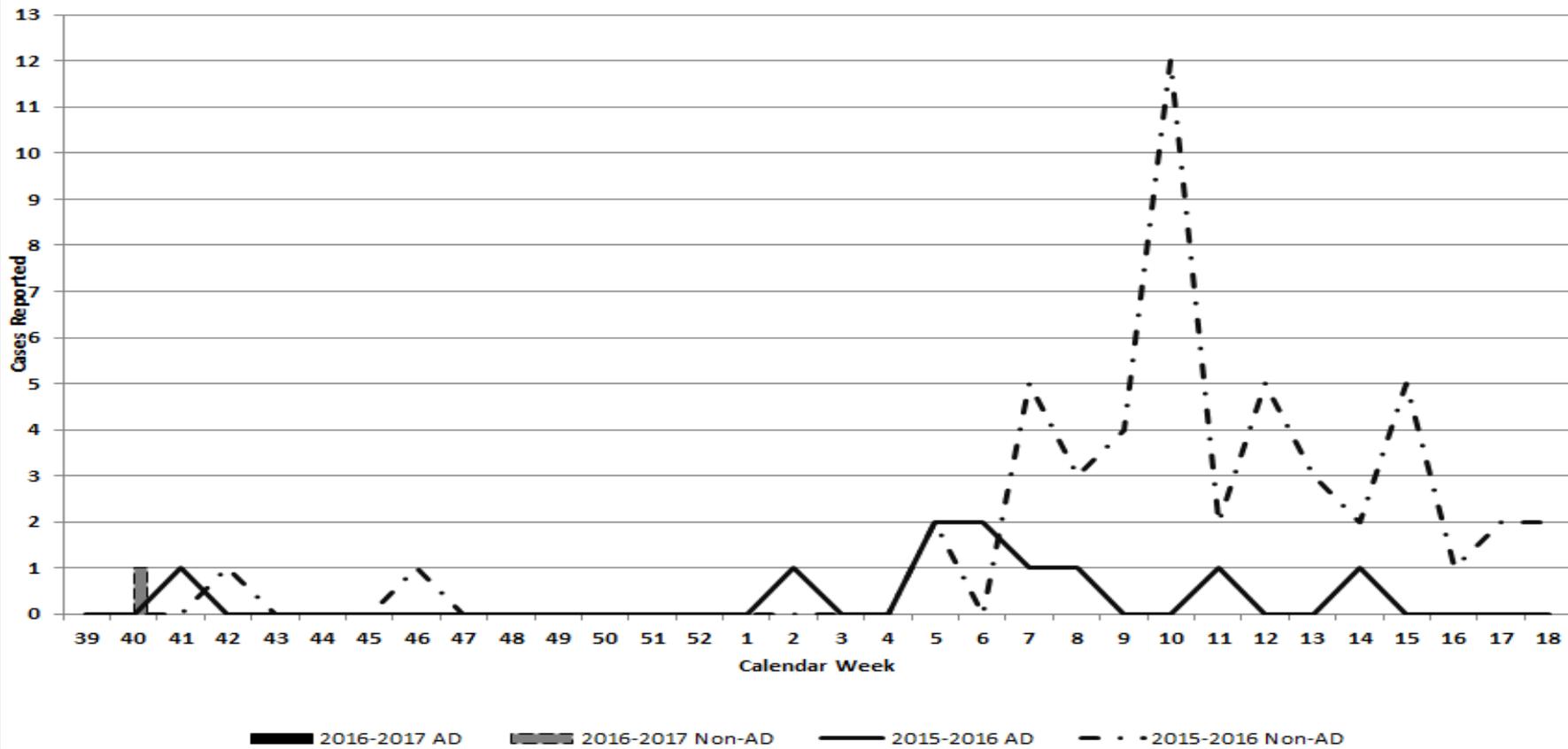


Clinic visits for ILI are obtained from ESSENCE. Data as of 27 October 2016.

Army MTF Laboratory Results, 2016-17

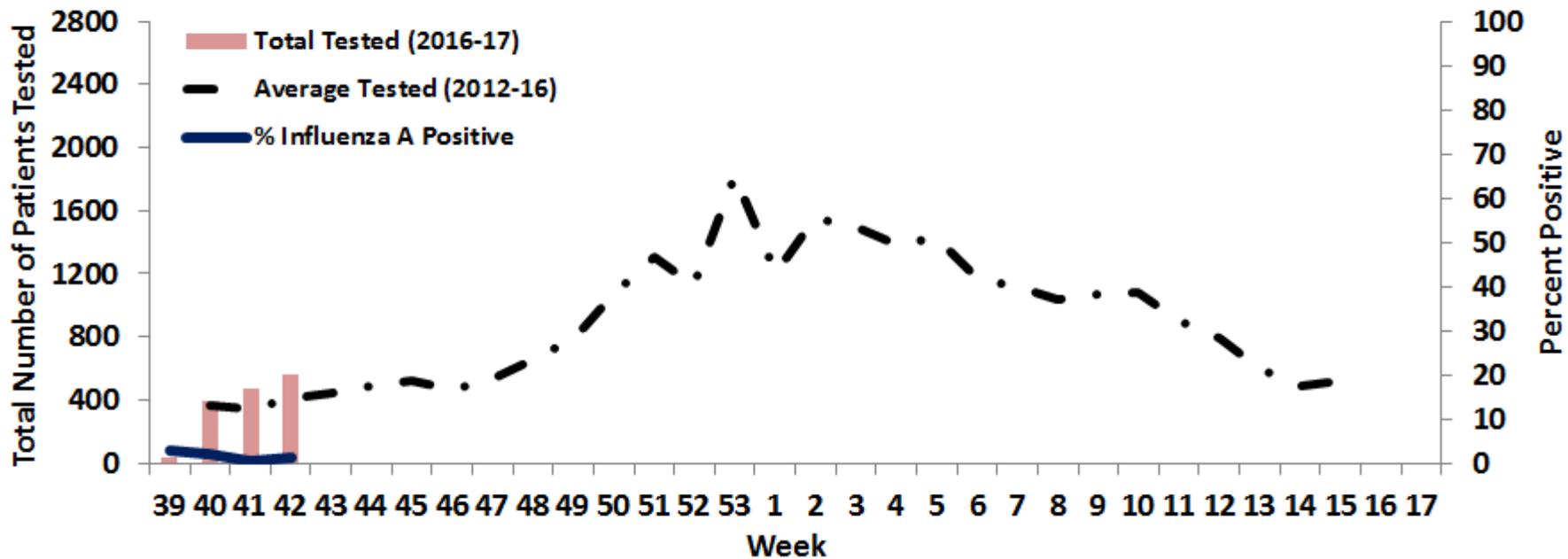
Test Result	Week 39	Week 40	Week 41	Week 42	Season Total
Influenza A	1	8	2	7	18
Influenza B	1	3	3	4	11
Adenovirus	0	2	6	11	19
Enterovirus	0	3	14	8	25
Parainfluenza	1	2	12	8	23
RSV	0	14	36	29	79
<i>Negative</i>	<i>47</i>	<i>418</i>	<i>513</i>	<i>600</i>	991
Total Results	50	450	586	1578	1166

Army Influenza Cases Reported in DRSi by Week of Symptom Onset



Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information
 Data as of 27 October 2016.

Proportion of Positive Influenza A Specimens for U.S. Army 2016-2017



Positive Respiratory Specimen Results from Army MTFs by Virus, 2016-2017 Influenza Season

