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U.S. Army Influenza Activity Report

Week Ending 15 October 2016 (Week 41)

2016-2017 Seasonal Influenza Vaccination Coverage

As of 20 October 2016

36%	DoD
32%	Army Active Duty
21%	Army Guard
25%	Army Reserve

Data Source: MEDPROS

SYNOPSIS: Influenza-like illness (ILI) is low in both Army and civilian populations. All beneficiaries aged six months and older should receive this year's influenza vaccine, unless medically exempted.

- **ILI Activity:** Army incident ILI outpatient visits in week 41 were 12% lower than the same week last year.
- **Influenza cases:** No hospitalized influenza cases were reported to APHC through DRSi in week 41; At this same time during the last influenza season, one influenza-associated hospitalization was reported.
- **Viral specimens:** During week 41, 73 of 592 (12%) laboratory specimens tested positive for respiratory pathogens. RHC-A reported both of the influenza A-positive specimens.

Geographic Spread

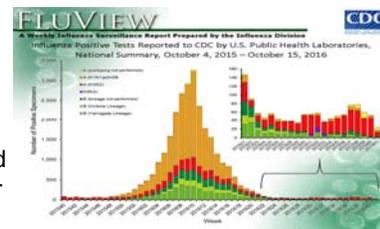


United States

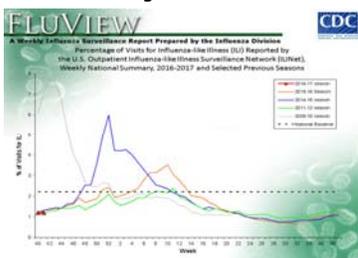
- In week 41, widespread influenza activity was reported in Guam. New Hampshire reported local influenza activity, while the District of Columbia, Virgin Islands, and 41 states reported sporadic. No activity was reported in eight states.

CDC Virologic Surveillance

- During week 41, 87% (20) of specimens collected for civilian labs tested positive for Influenza A. A(H3) accounted for 10 of the 20 samples. Four were A (H1N1)pdm09 and the remaining six were not subtyped.

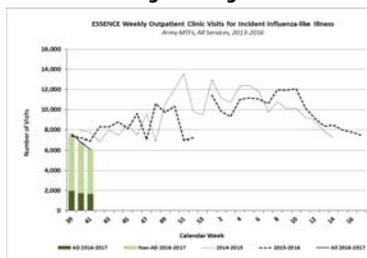


ILI Activity United States



- Nationwide during week 41, 1.2% 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 2.1% across the regions reporting.

ILI Activity Army



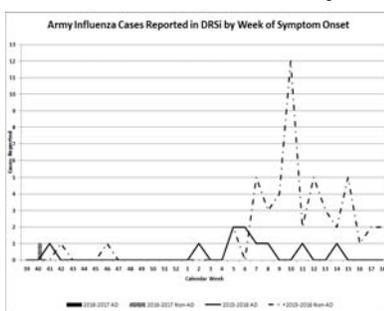
- During week 41, incident ILI activity was 12% lower than the same time last year and 22% lower than week 41 in 2014-2015.
- AD SMs accounted for 28% of incident ILI clinic visits during week 41; in 2015-2016, AD SMs comprised 26% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2016-17					
Test Result	Week 39	Week 40	Week 41	Week 42	Season Total
Influenza A	1	8	2		11
Influenza B	1	3	3		7
Adenovirus	0	2	6		8
Enterovirus	0	3	14		17
Parainfluenza	1	2	12		15
RSV	0	14	36		50
Negative	47	425	519		991
Total Results	50	457	592		1099

- In week 41, 12% (73) of specimens tested positive.
- RSV and parainfluenza accounted for 49% and 16% of positive specimens, respectively.
- Adenovirus accounted for 8% of positive specimens.
- Influenza B accounted for 4%, and influenza A for 3%.

DRSi Influenza Case Reporting



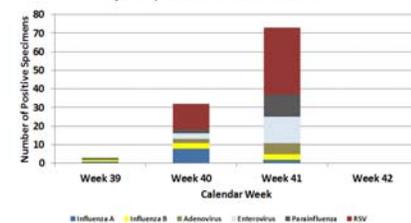
- In week 41, no cases of influenza-associated hospitalization were reported in DRSi.
- At the same time last influenza season, one influenza-associated hospitalization was reported. No cases have been reported so far this season.

Laboratory Testing for Influenza A



- In week 41, 2 of 483 (0.4%) specimens tested positive for influenza A. This was a decrease from week 40 (2.0%). One (50%) of the positive influenza A specimens was from a non-active duty individual.
- RHC-A reported both (100%) of the influenza A-positive 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](#); [WHO](#)
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?

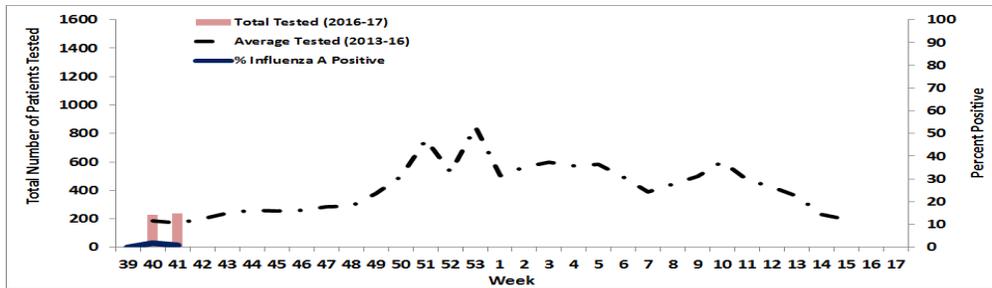
Email APHC-DEP
410-436-7605



U.S. Army Influenza Activity Report

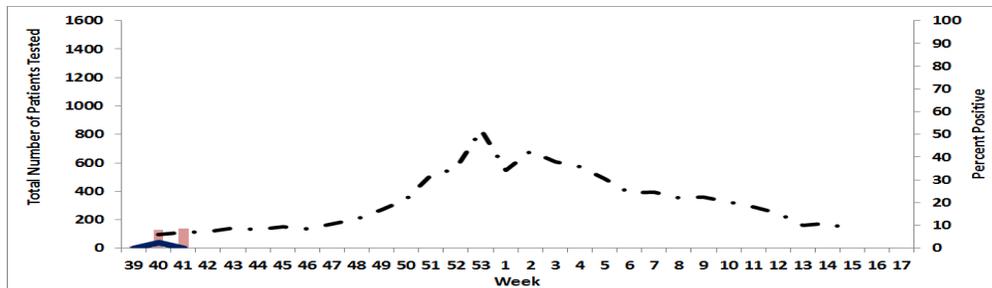
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2016-2017 as Compared to 2013-2016

Regional Health Command - Atlantic (RHC-A)



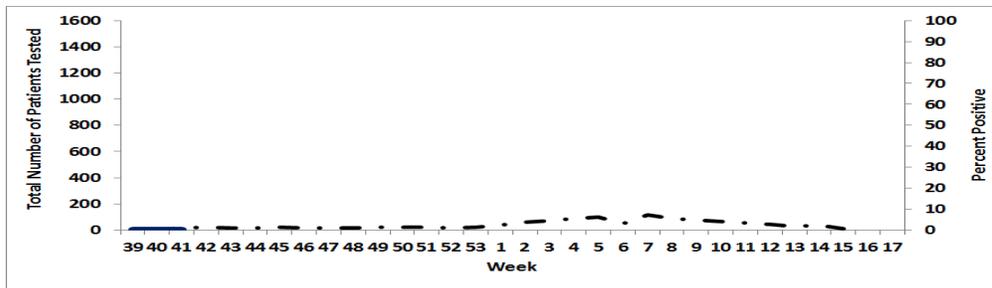
Week 41			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	4
18-29	1	0	2
30-39	0	0	0
40-49	0	0	0
50-59	0	0	0
60+	0	0	0
Total	1	1	6

Regional Health Command - Central (RHC-C)



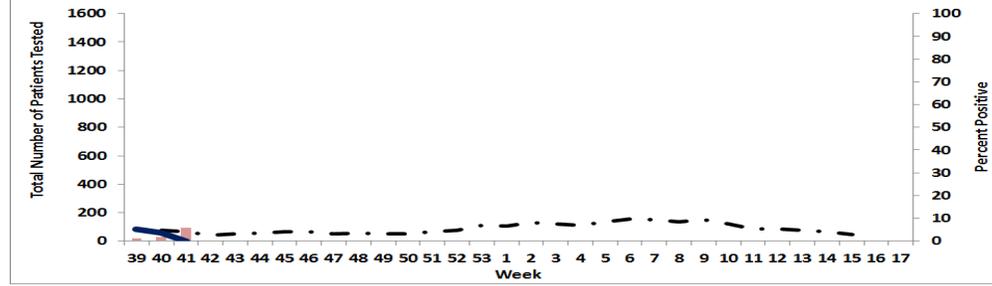
Week 41			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	1
18-29	0	0	1
30-39	0	0	0
40-49	0	0	0
50-59	0	0	0
60+	0	0	1
Total	0	0	3

Regional Health Command - Europe (RHC-E)



Week 41			
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 41			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	1
18-29	0	0	1
30-39	0	0	0
40-49	0	0	0
50-59	0	0	0
60+	0	0	0
Total	0	0	2

Number of Positive Influenza A Specimens by Duty Status and Region

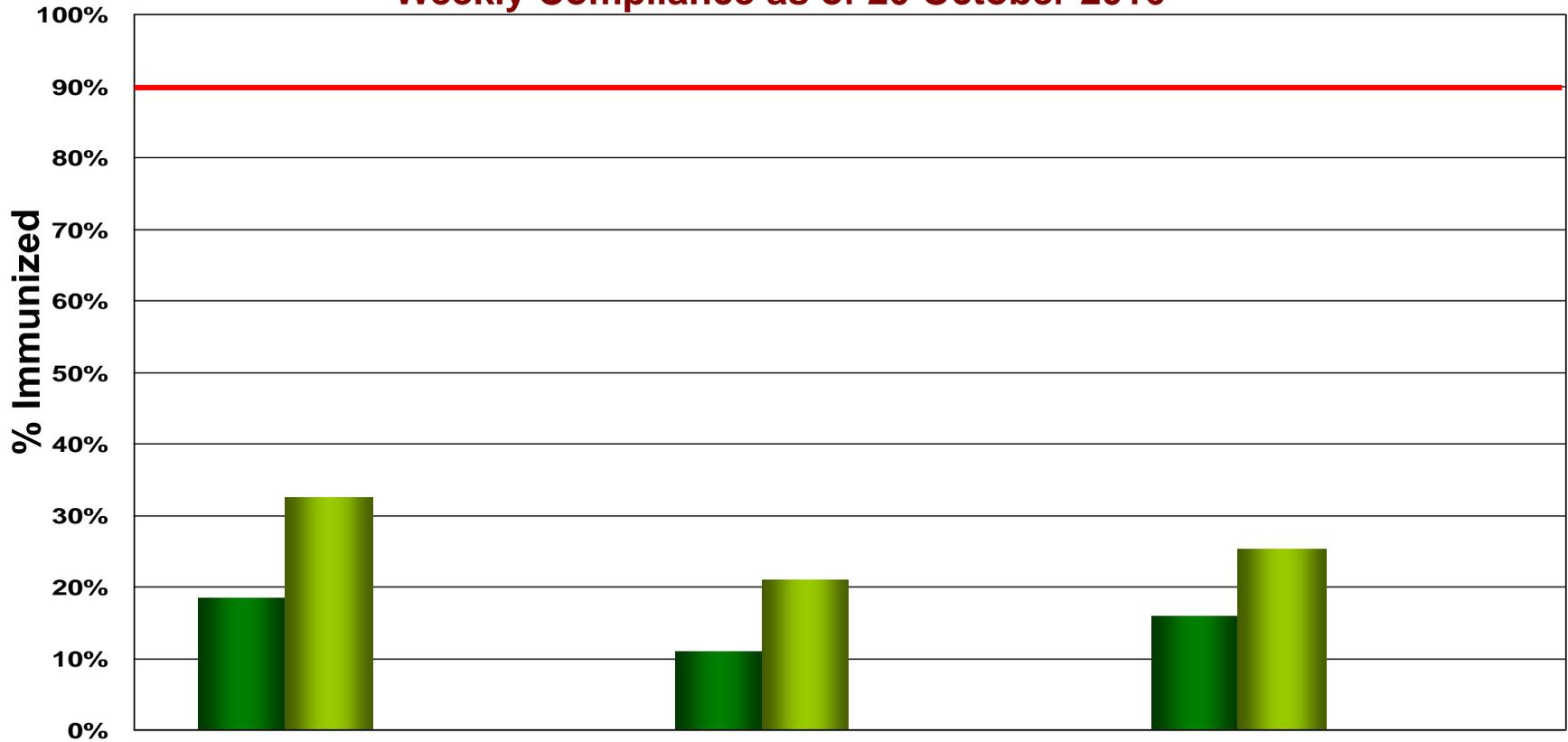
Region	Week 39		Week 40		Week 41		Week 42		Week 43		Week 44		Week 45		Week 46	
	AD	Non-AD														
RHC-A	0	0	1	3	1	1										
RHC-C	0	0	1	2	0	0										
RHC-E	0	0	0	0	0	0										
RHC-P	0	1	0	1	0	0										
CENTCOM	0	0	0	0	0	0										

Locations providing week 41 laboratory data as of 18 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 20 October 2016



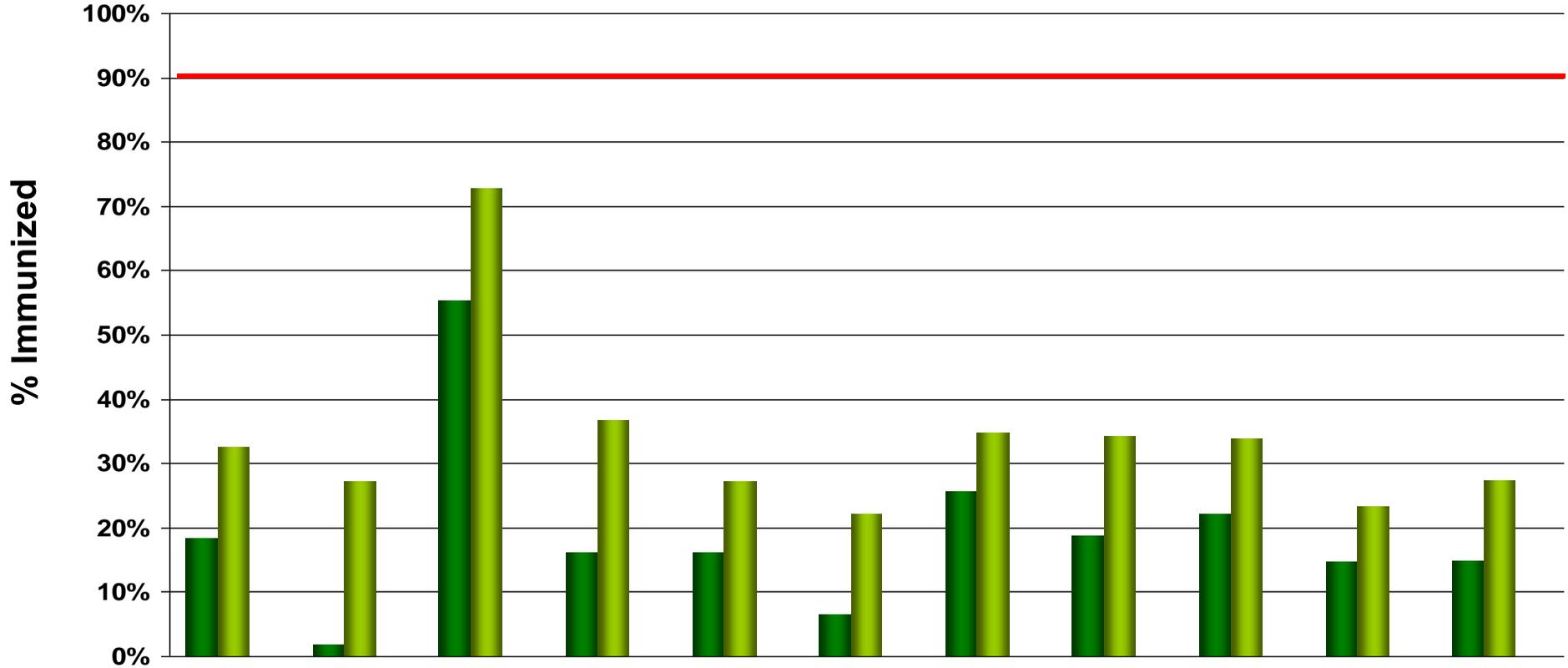
	Active Army (COMPO 1)	National Guard (COMPO 2)	Reserve (COMPO 3)
# Eligible*	470,888	336,980	187,346
# Immunized	152,502	70,190	47,364
# Non-Immunized	318,386	266,790	139,982

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



Seasonal Influenza Immunization Status

Weekly Army (COMPO 1) compliance as of 20 October 2016



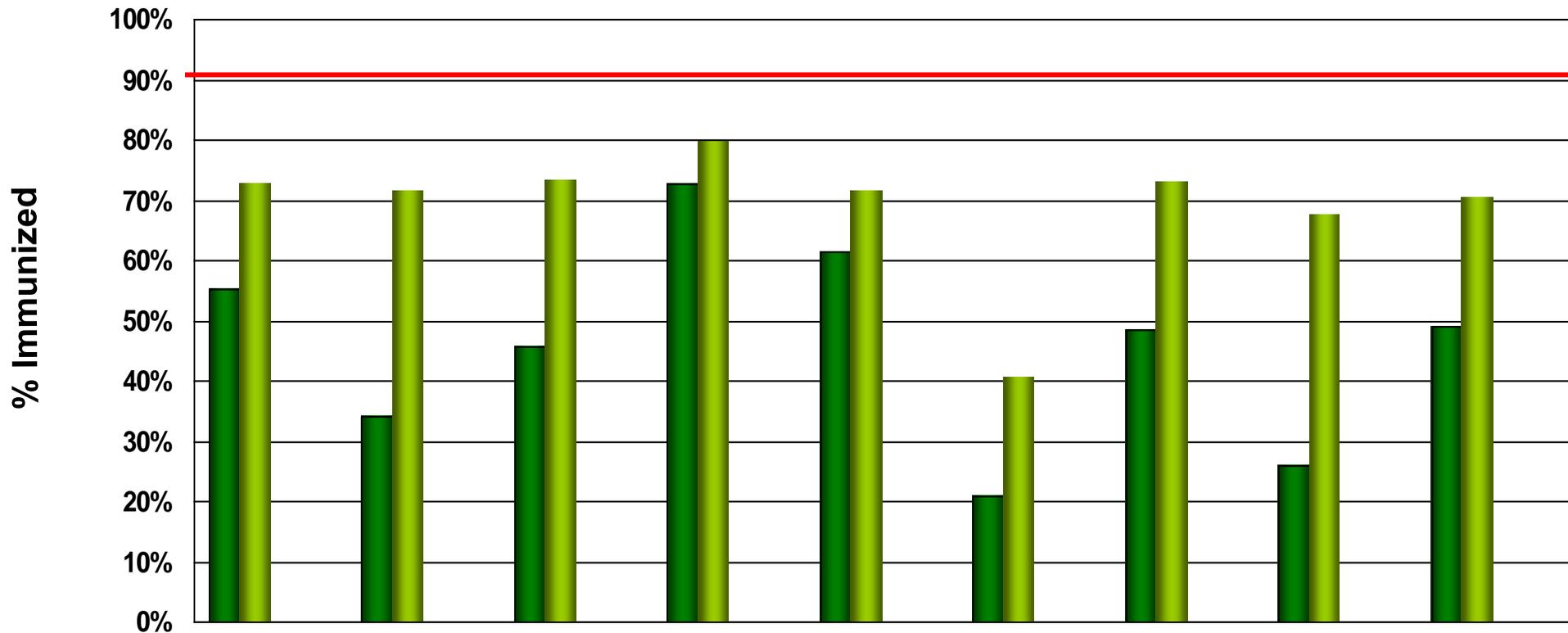
	Active ARMY Total	USAREUR	MEDCOM	USARPAC	FORSCOM	ARGENT	AMC	TRADOC	USASOC	IMCOM	HQ, US ARMY
# Eligible*	470,888	18,692	28,616	44,301	218,290	1,874	2,673	75,850	29,931	4,214	3,659
# Immunized	152,502	5,070	20,845	16,204	58,917	414	928	25,866	10,091	972	994
# Non-Immunized	318,386	13,622	7,771	28,097	159,373	1,460	1,745	49,984	19,840	3,242	2,665

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



Seasonal Influenza Immunization Status

MEDCOM (COMPO 1) compliance as of 20 October 2016



	MEDCOM Total	RHC-E	RHC-P	RHC-C	RHC-A	MRMC	AMEDD C&S	OneStaff**	DHA NCR Army Personnel
# Eligible*	28,616	1,820	4,975	7,088	6,696	1,010	4,031	507	2,533
# Immunized	20,845	1,304	3,651	5,646	4,792	412	2,944	343	1,784
# Non-Immunized	7,771	516	1,324	1,442	1,904	598	1,087	163	749

Data Source: MEDPROS

*Eligible = Assigned – Exempt

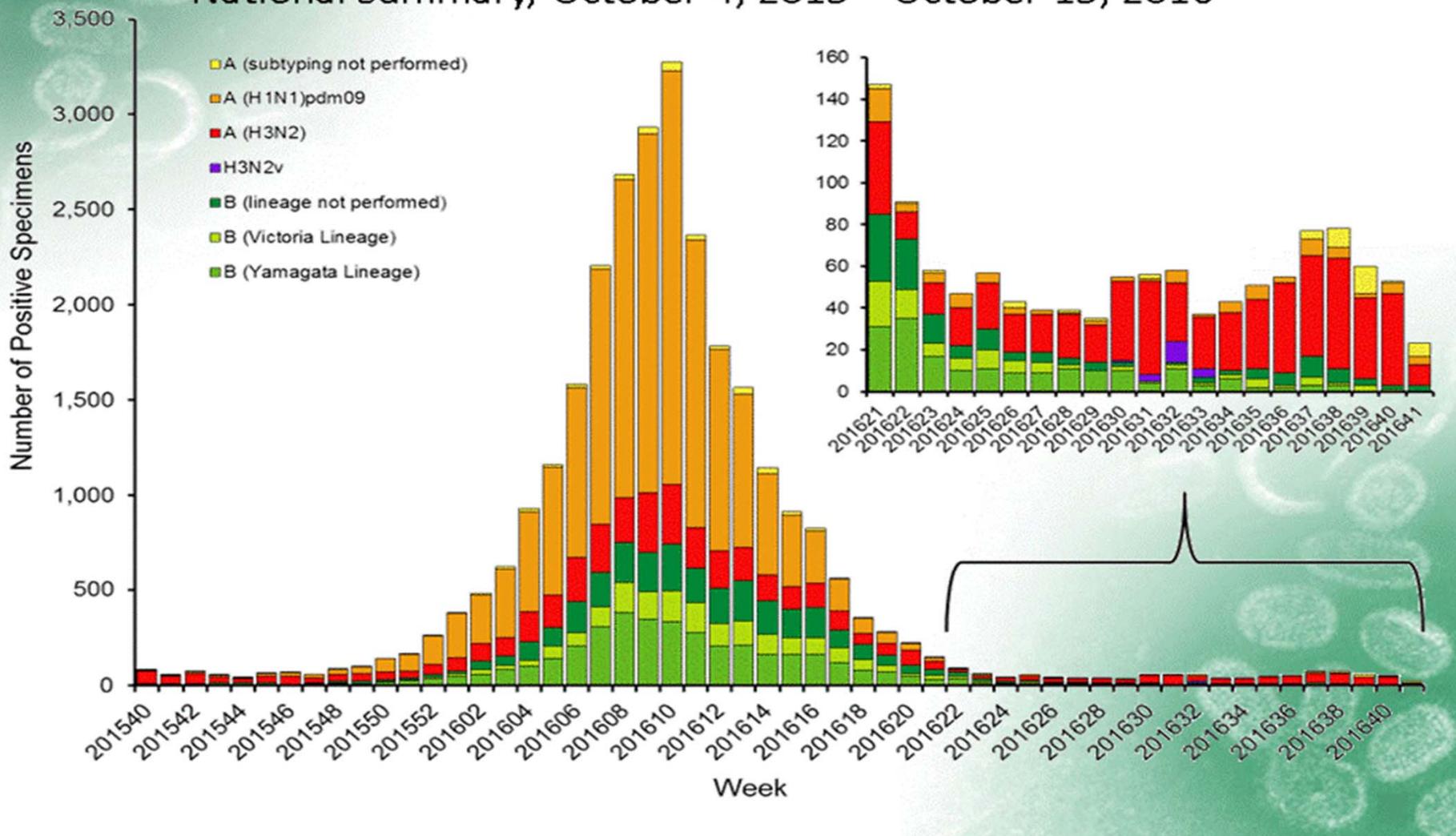
**Includes MEDCOM North & South

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 15, 2016

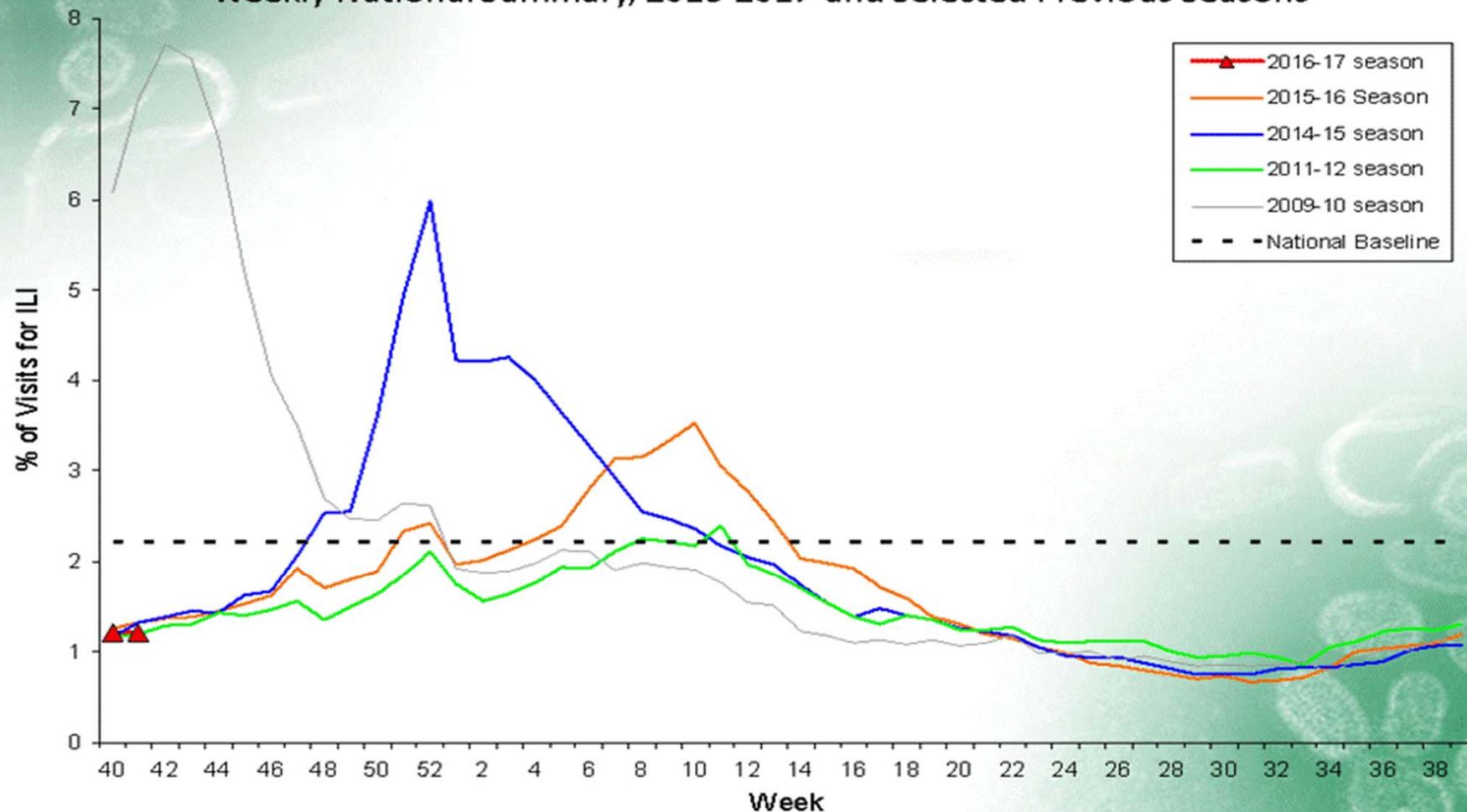


FLUVIEW

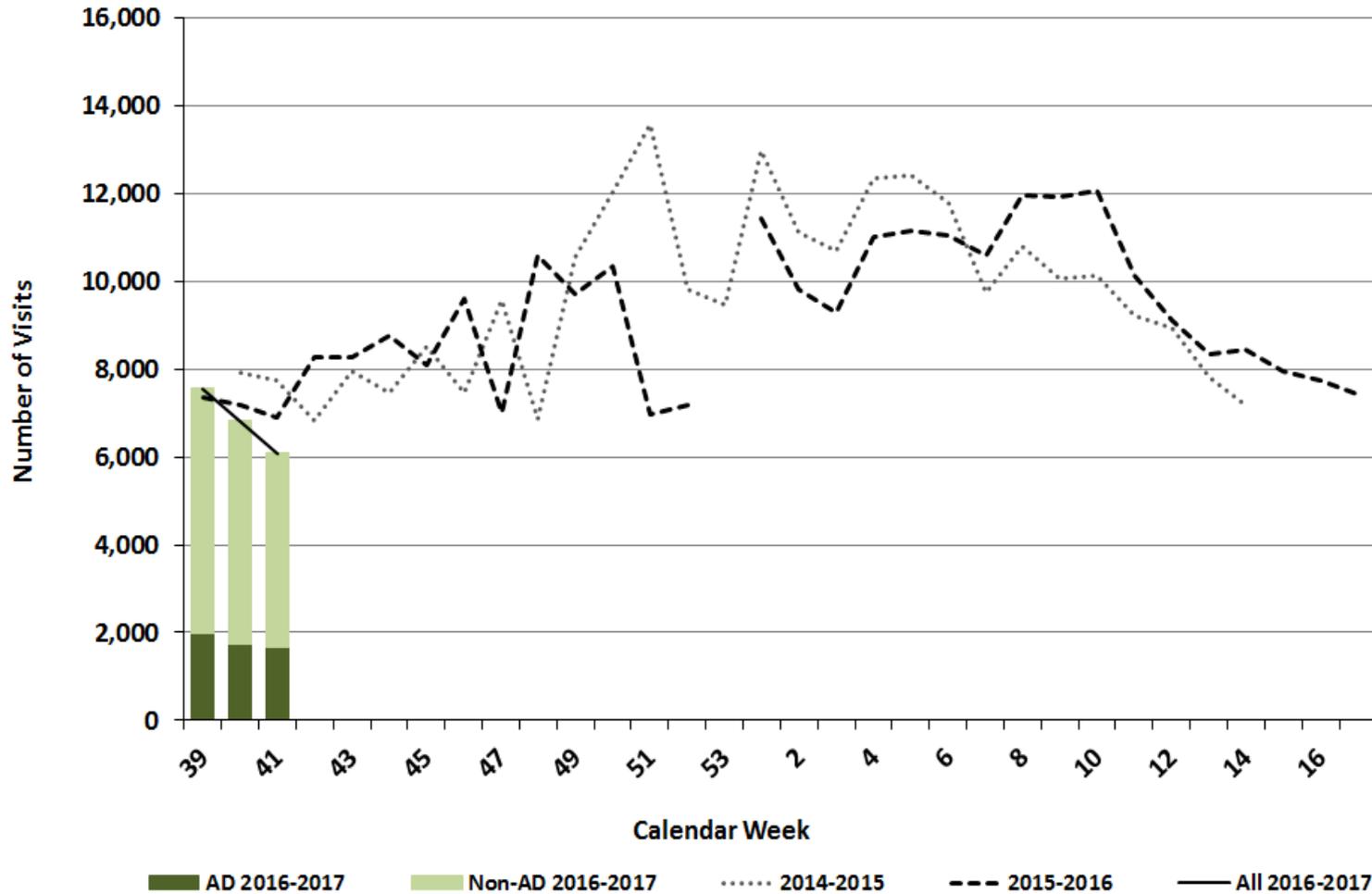


A Weekly Influenza Surveillance Report Prepared by the Influenza Division

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, 2013-2016

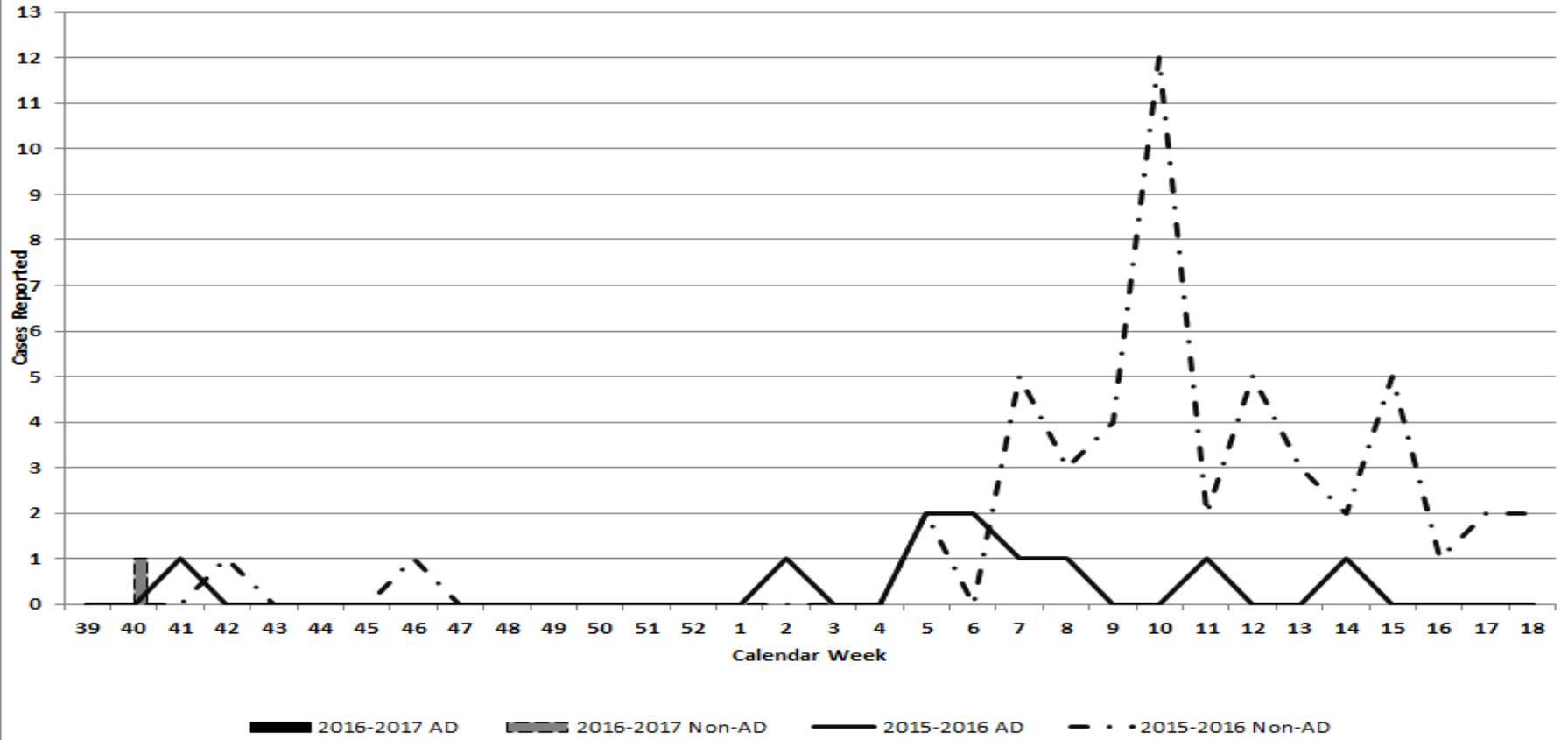


Clinic visits for ILI are obtained from ESSENCE. Data as of 20 October 2016.

Army MTF Laboratory Results, 2016-17

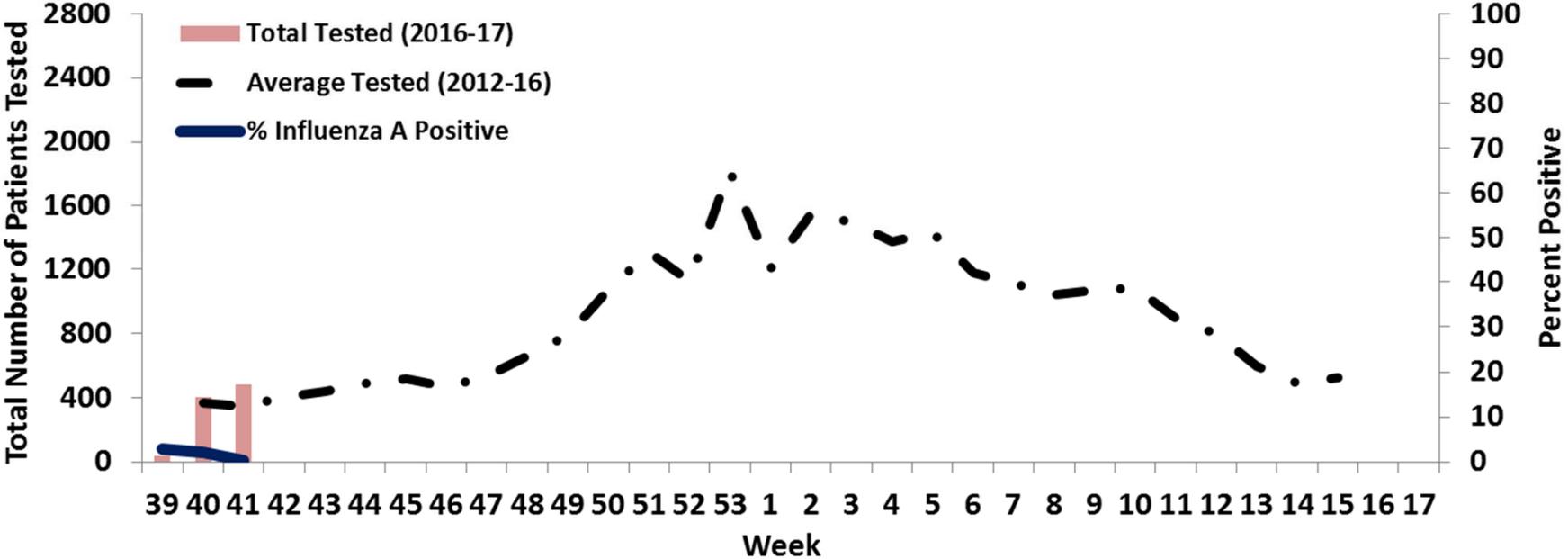
Test Result	Week 39	Week 40	Week 41	Week 42	Season Total
Influenza A	1	8	2		11
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Adenovirus	0	2	6		8
Enterovirus	0	3	14		17
Parainfluenza	1	2	12		15
RSV	0	14	36		50
<i>Negative</i>	<i>47</i>	<i>425</i>	<i>519</i>		991
Total Results	50	457	592		1099

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 19 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

