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## U.S. Army Influenza Activity Report

Week Ending 3 December 2016 (Week 48)

### 2016-2017 Seasonal Influenza Vaccination Coverage

As of 8 December 2016

87%	DoD
93%	Army Active Duty
85%	Army Guard
73%	Army Reserve

Data Source: MEDPROS, ASIMS, MRRS

**SYNOPSIS:** Influenza activity has remained relatively low for the current season, with a decrease in the percentage of influenza A positive specimens in Army MTFs over the past week. In the US civilian populations, influenza-like illness (ILI) activity increased.

- **ILI Activity:** Army incident ILI outpatient visits in week 48 were less than 1% lower than the same week last year.
- **Influenza cases:** One hospitalized influenza-associated case was reported to APHC through DRSi in week 48. Three cases have been reported so far this season.
- **Viral specimens:** During week 48, 81 of 809 (10%) laboratory specimens tested positive for respiratory pathogens. RHC-P reported most (40%) of the influenza A-positive specimens, followed by RHC-C (33%), and RHC-A (27%). RHC-E and CENTCOM did not report any positive specimens.

### Geographic Spread

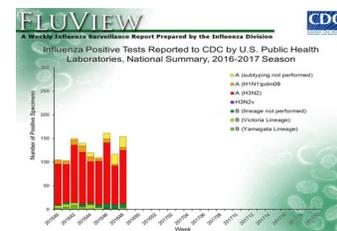


### United States

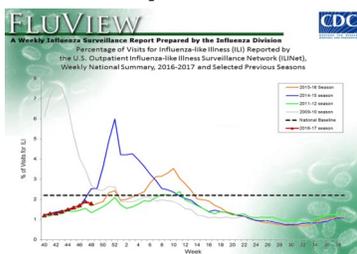
- In week 48, regional activity was reported by Guam, Alabama, and North Carolina. Local activity was reported in 19 states and widespread activity was reported by Puerto Rico. The U.S. Virgin Islands and 28 states reported sporadic activity. No activity was reported by RI and D.C. did not report.

### CDC Virologic Surveillance

- During week 48, 91.6% (141) of specimens collected from civilian labs tested positive for Influenza A. A(H3) accounted for 112 of the 141 samples, 6 were A (H1N1)pdm09 and 23 were not subtyped.

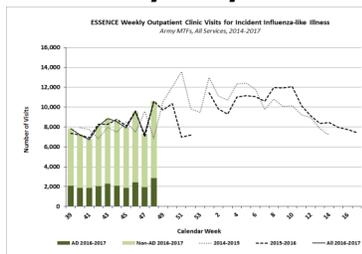


### ILI Activity United States



- Nationwide during week 48, 1.8% 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 0.8% to 3.5% across the regions reporting.

### ILI Activity Army



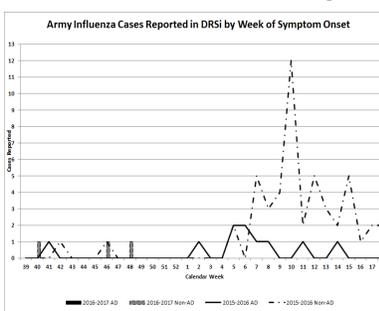
- During week 48, incident ILI activity was less than 1% lower than the same time last year and 54% higher than week 48 in 2014-2015.
- AD SMs accounted for 27% of incident ILI clinic visits during week 48; in 2015-2016, AD SMs comprised 25% of ILI clinic visits on average.

### Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2016-17					
Test Result	Week 45	Week 46	Week 47	Week 48	Season Total
Influenza A	9	12	20	15	92
Influenza B	7	11	10	11	58
Adenovirus	4	3	3	7	48
Enterovirus	9	9	10	8	79
Parainfluenza	11	19	8	14	99
RSV	38	34	33	26	291
Negative	588	650	570	728	5139
<b>Total Results</b>	<b>666</b>	<b>738</b>	<b>654</b>	<b>809</b>	<b>5806</b>

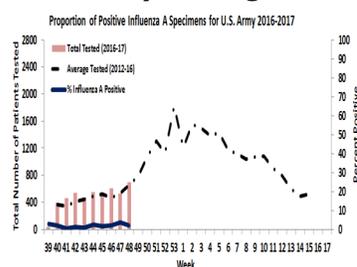
- In week 48, 10% (81) of specimens tested positive.
- RSV and influenza A accounted for 32% and 19% of positive specimens, respectively.
- Parainfluenza accounted for 17% of positive specimens.
- Influenza B accounted for 14%, and adenovirus for 9%.

### DRSi Influenza Case Reporting



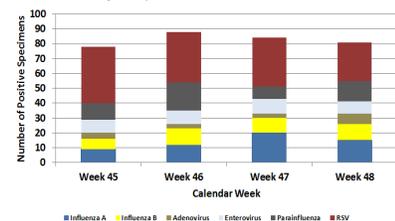
- In week 48, one case of influenza-associated hospitalization was reported in DRSi; a non-AD beneficiary who was unvaccinated and had an underlying condition.
- At the same time last influenza season, three influenza-associated hospitalizations were reported. Three cases have been reported so far this season.

### Laboratory Testing for Influenza A



- In week 48, 15 of 696 (2.2%) specimens tested positive for influenza A. This was a decrease from week 47 (3.8%). 12 (80%) of the positive influenza A specimens were from non-active duty individuals.
- RHC-P reported 6 (40%) of the total influenza A-positive specimens. RHC-C reported 5 (33%) positive specimens and RHC-A reported 4 (27%). 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

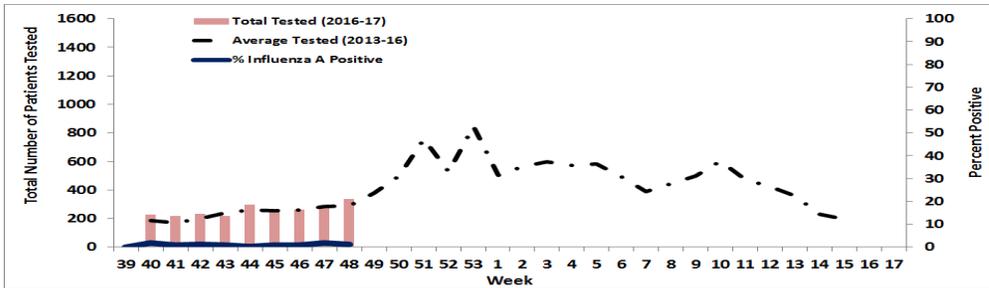
**Questions?**  
[Email APHC DEP](mailto:Email APHC DEP)  
 410-436-7605



## U.S. Army Influenza Activity Report

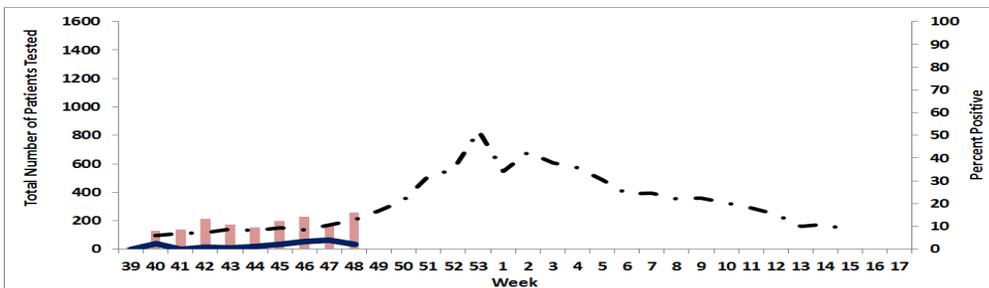
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2016-2017 as Compared to 2013-2016

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



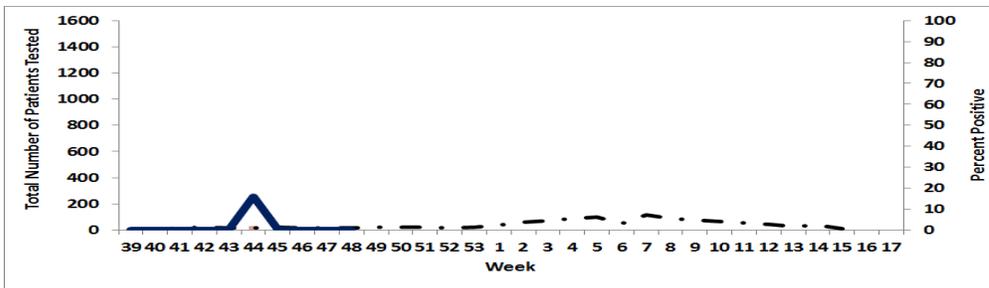
Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	9
18-29	0	2	7
30-39	0	1	1
40-49	0	0	1
50-59	0	0	3
60+	0	1	4
<b>Total</b>	<b>0</b>	<b>4</b>	<b>25</b>

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



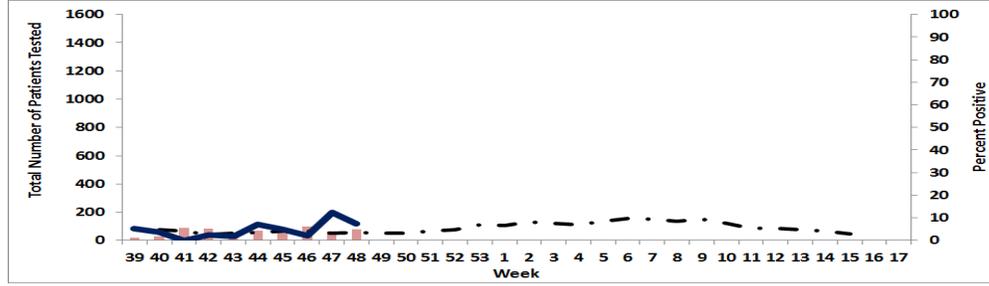
Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	2	15
18-29	2	0	5
30-39	1	0	3
40-49	0	0	1
50-59	0	0	5
60+	0	0	3
<b>Total</b>	<b>3</b>	<b>2</b>	<b>32</b>

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



Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	0
18-29	0	0	3
30-39	0	0	0
40-49	0	0	1
50-59	0	0	0
60+	0	0	1
<b>Total</b>	<b>0</b>	<b>0</b>	<b>5</b>

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



Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	9
18-29	0	1	3
30-39	0	1	5
40-49	0	2	2
50-59	0	1	6
60+	0	0	4
<b>Total</b>	<b>0</b>	<b>6</b>	<b>29</b>

Number of Positive Influenza A Specimens by Duty Status and Region

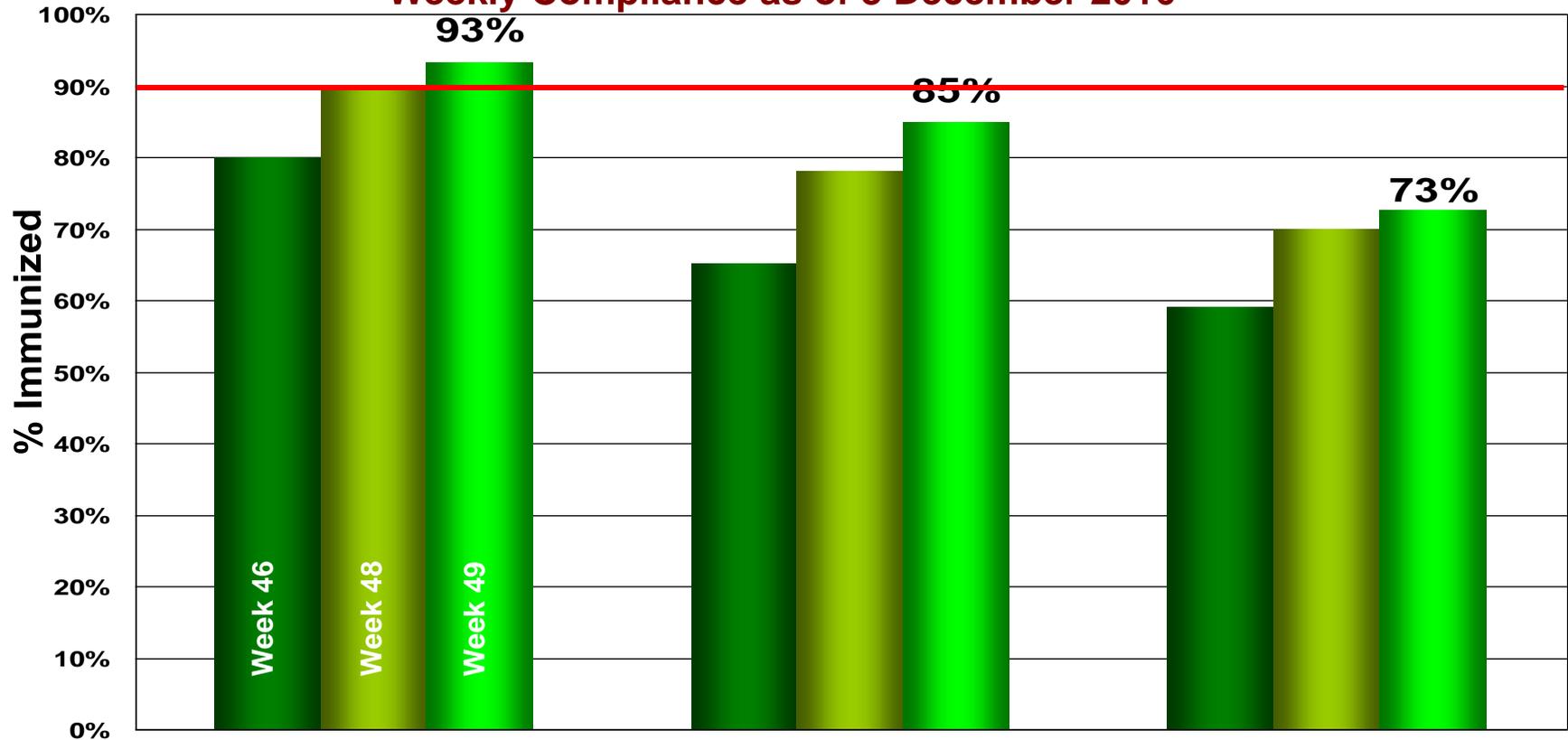
Region	Week 41		Week 42		Week 43		Week 44		Week 45		Week 46		Week 47		Week 48	
	AD	Non-AD														
RHC-A	1	1	1	2	1	1	0	1	0	2	0	2	1	4	0	4
RHC-C	0	0	0	2	1	0	1	1	0	4	0	8	0	7	3	2
RHC-E	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0
RHC-P	0	0	1	1	0	1	0	5	0	3	0	2	0	8	0	6
CENTCOM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0

**Locations providing week 48 laboratory data as of 7 December 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, Walter Reed, and Kuwait.



# Seasonal Influenza Immunization Status

Weekly Compliance as of 8 December 2016



	Active Army (COMPO 1)	National Guard (COMPO 2)	Reserve (COMPO 3)
# Eligible*	463,437	328,685	183,218
# Immunized	432,484	278,869	132,970
# Non-Immunized	30,953	49,816	50,248

Data Source: MEDPROS

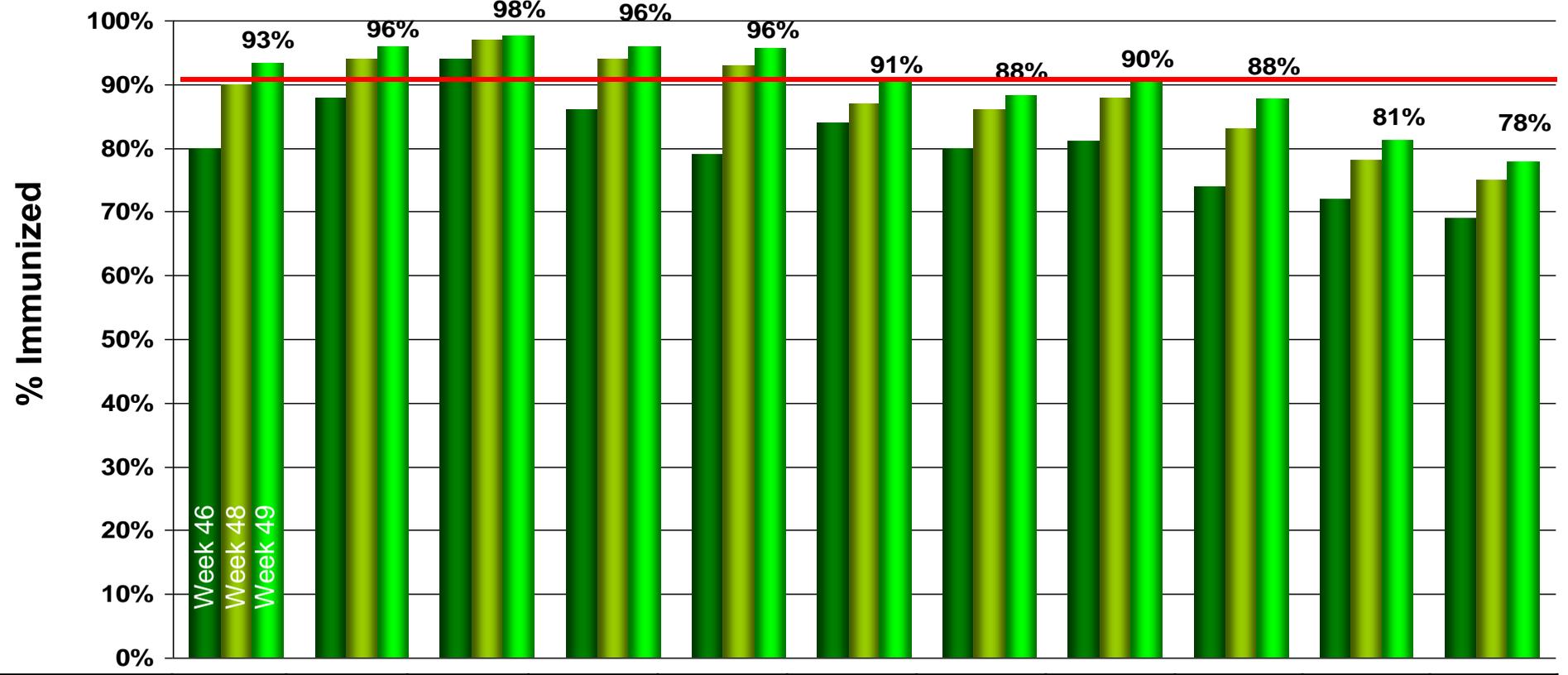
\*Eligible = Assigned – Exempt

Previous weeks included for comparison



# Seasonal Influenza Immunization Status

Weekly Army (COMPO 1) compliance as of 8 December 2016



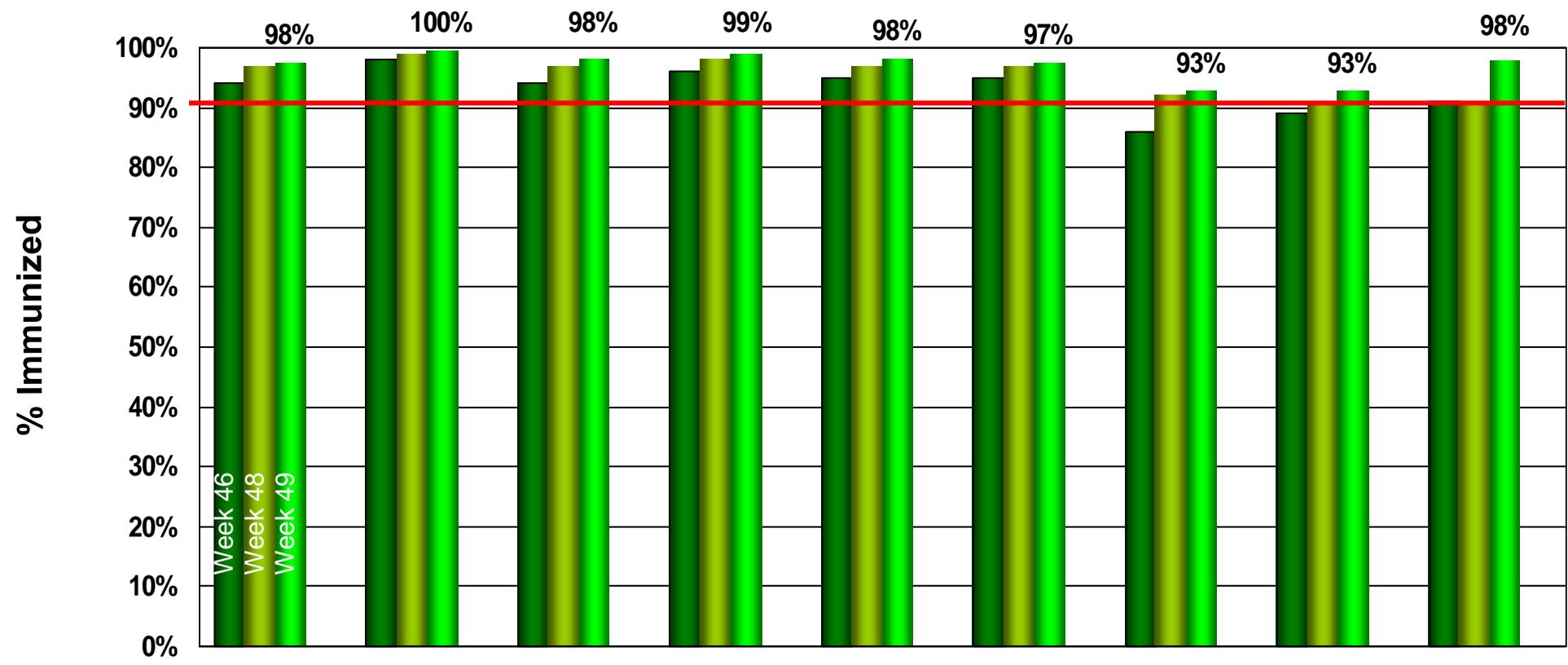
	Active ARMY Total	USAREUR	MEDCOM	USARPAC	FORSCOM	ARGENT	AMC	TRADOC	USASOC	IMCOM	HQ, US ARMY
# Eligible*	463,467	18,577	28,677	43,498	215,635	1,815	2,598	73,697	29,395	3,849	3,595
# Immunized	432,484	17,816	27,982	41,756	206,669	1,643	2,295	66,535	25,793	3,124	2,797
# Non-Immunized	30,953	761	695	1,742	8,966	172	303	7,162	3,602	725	798

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



# Seasonal Influenza Immunization Status

## MEDCOM (COMPO 1) compliance as of 8 December 2016



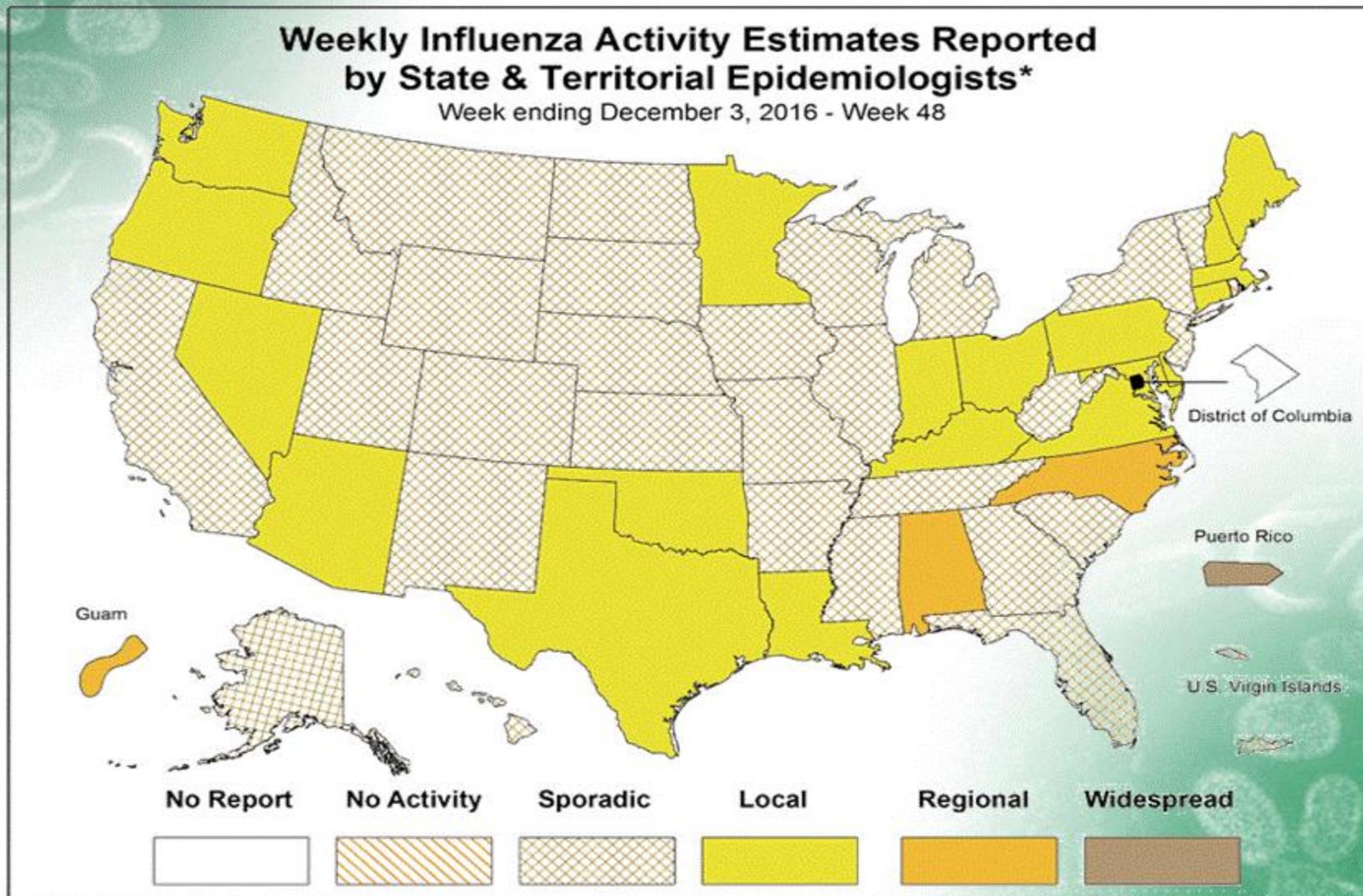
	MEDCOM Total	RHC-E	RHC-P	RHC-C	RHC-A	MPMC	AMEDD C&S	OneStaff**	DHA NCR Army Personnel
# Eligible*	28,677	1830	4,401	6,946	6,966	1,034	4,390	507	757
# Immunized	27,982	1821	4,310	6,866	6,833	1,007	4,071	471	740
# Non-Immunized	695	9	91	80	133	27	319	36	67

Data Source: MEDPROS  
 \*Eligible = Assigned - Exempt  
 \*\*Includes MEDCOM North & South  
 Previous two weeks included for comparison

# FLUVIEW



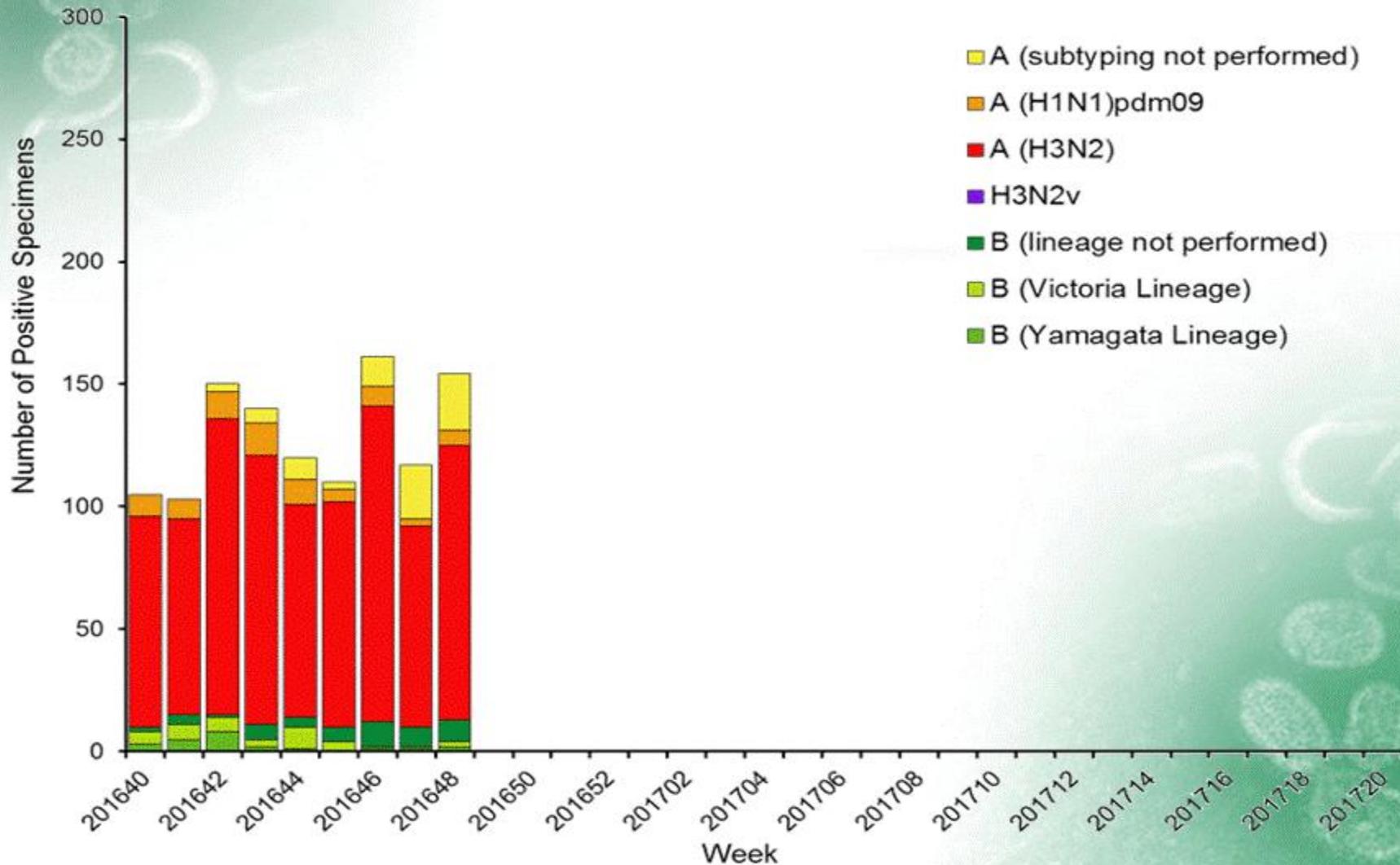
A Weekly Influenza Surveillance Report Prepared by the Influenza Division



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

A Weekly Influenza Surveillance Report Prepared by the Influenza Division

## Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, 2016-2017 Season

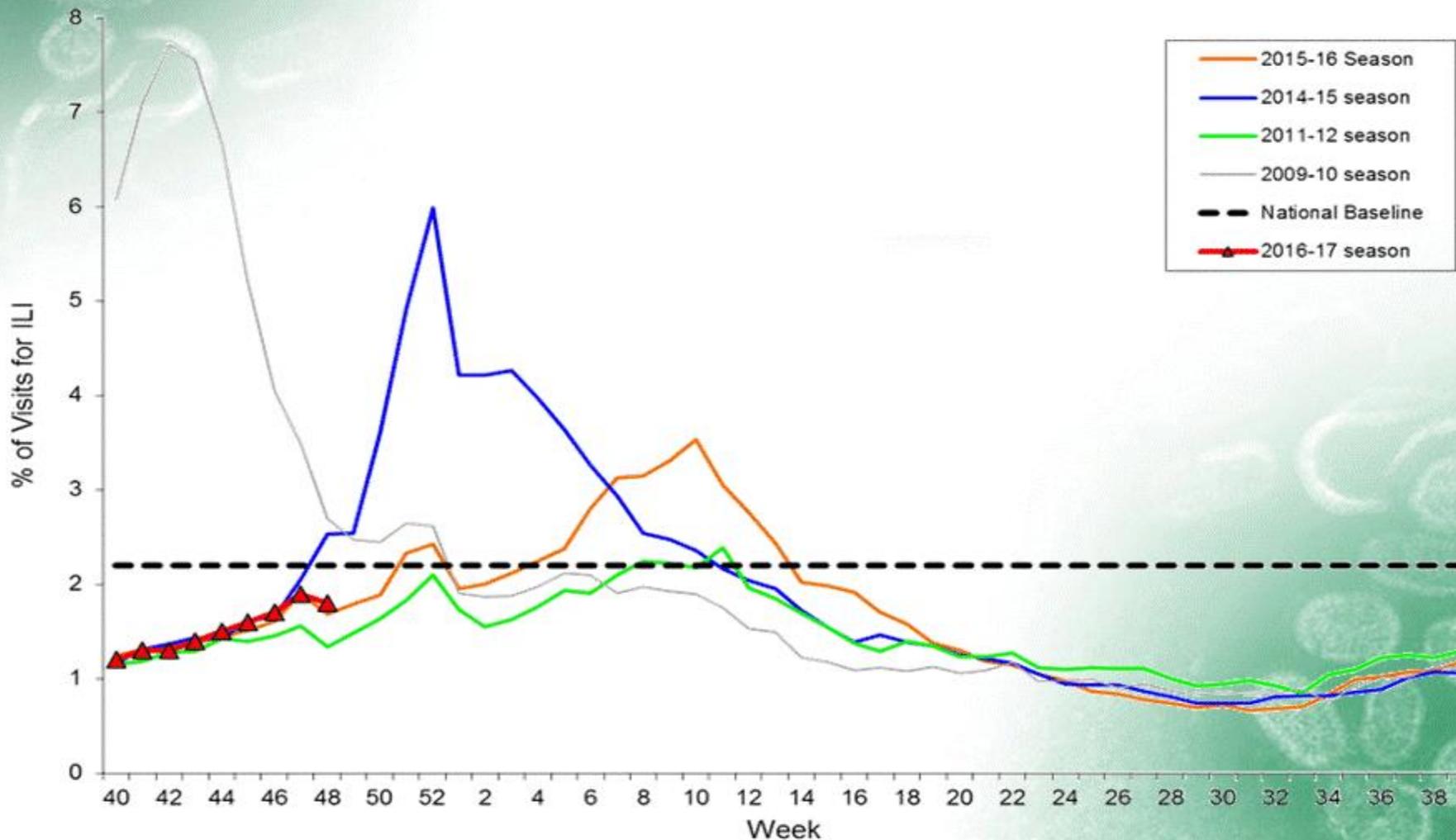


# FLUVIEW

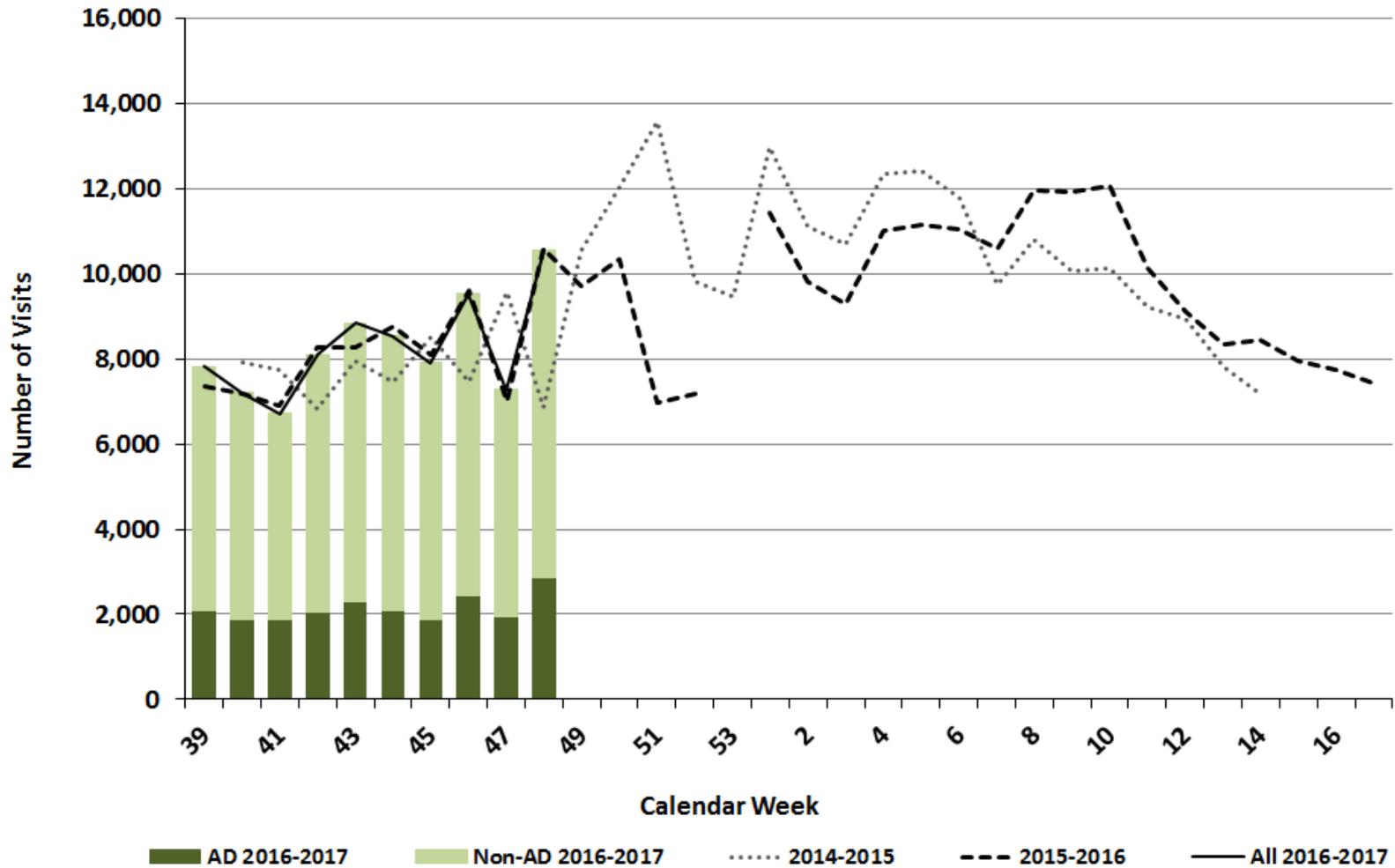


**A Weekly Influenza Surveillance Report Prepared by the Influenza Division**

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



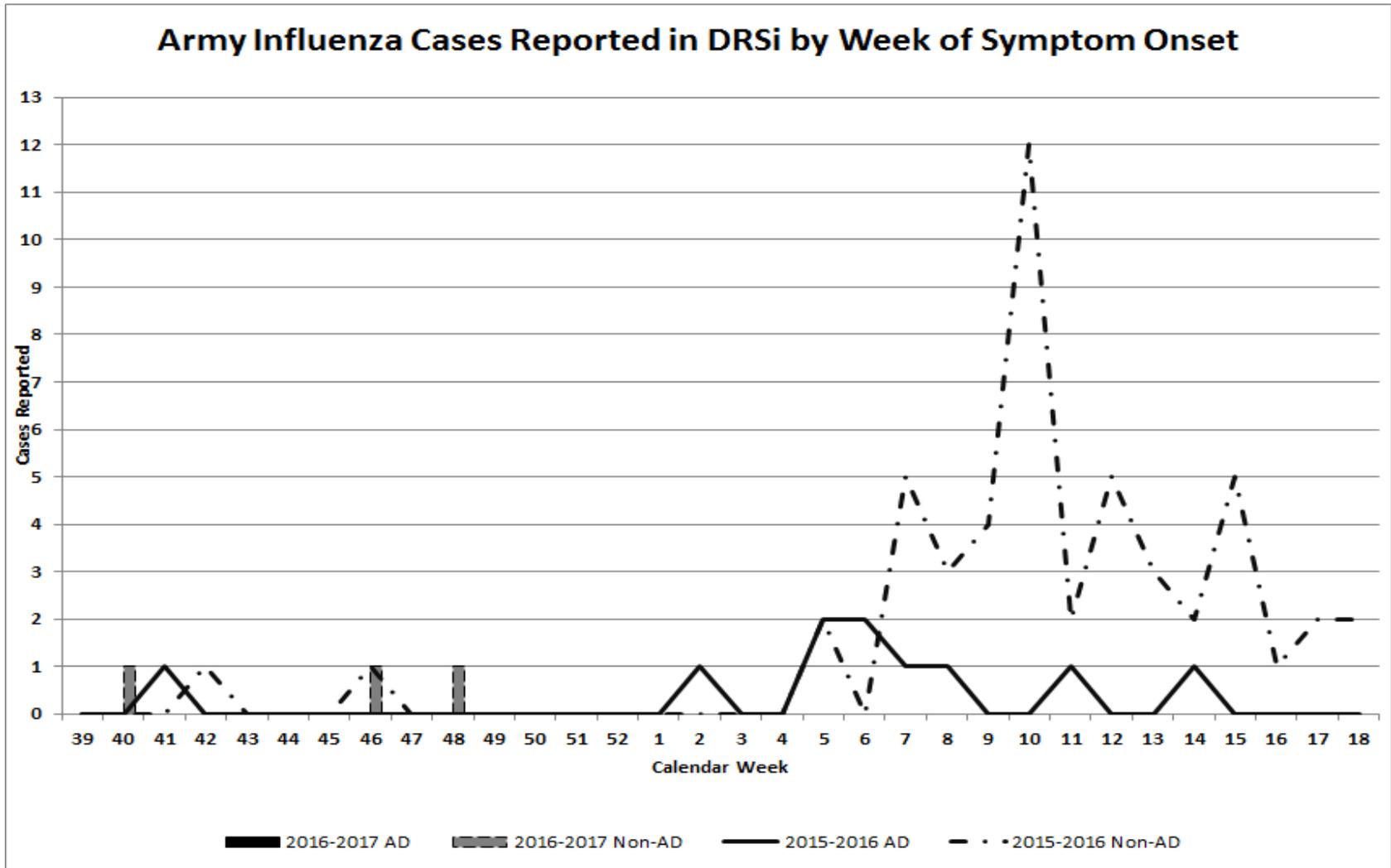
**ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness**  
*Army MTFs, All Services, 2014-2017*



*Clinic visits for ILI are obtained from ESSENCE. Data as of 8 December 2016.*

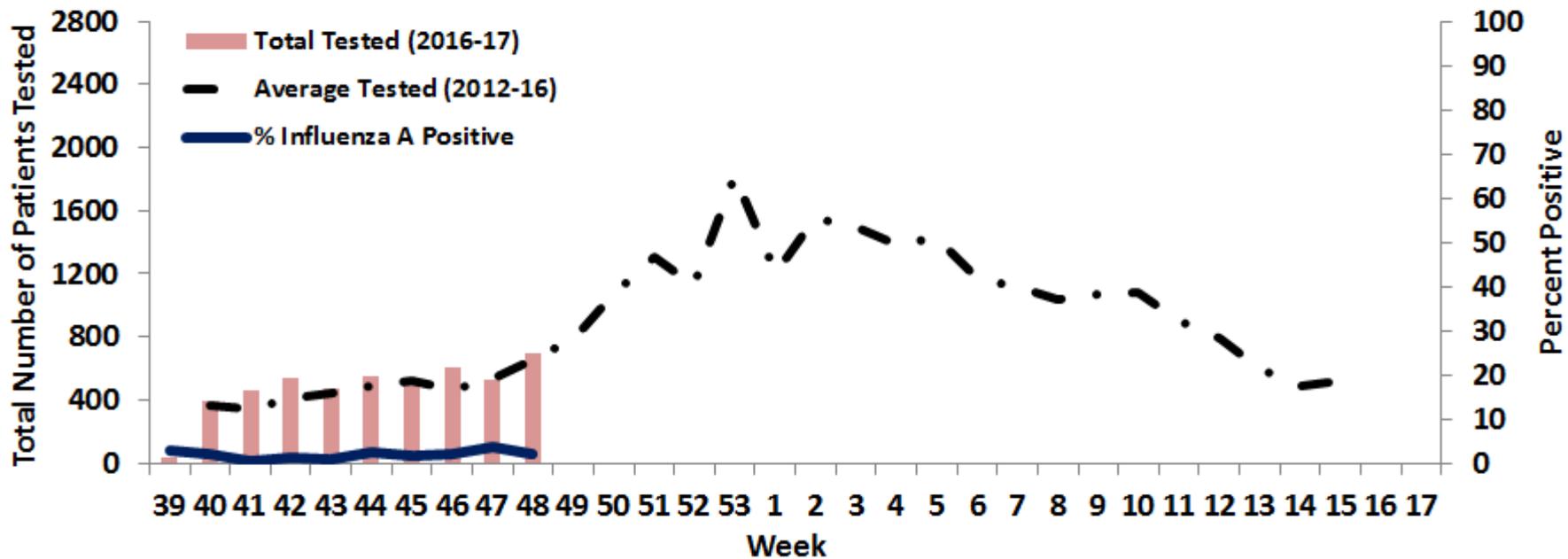
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<b>Parainfluenza</b>	11	19	8	14	<b>99</b>
<b>RSV</b>	38	34	33	26	<b>291</b>
<b><i>Negative</i></b>	<i>588</i>	<i>650</i>	<i>570</i>	<i>728</i>	<b>5139</b>
<b>Total Results</b>	<b>666</b>	<b>738</b>	<b>654</b>	<b>809</b>	<b>5806</b>



**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 8 December 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

