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# U.S. Army Influenza Activity Report

Week Ending 20 February 2016 (Week 07)

## 2015-2016 Seasonal Influenza Vaccination Coverage

As of 25 February 2016

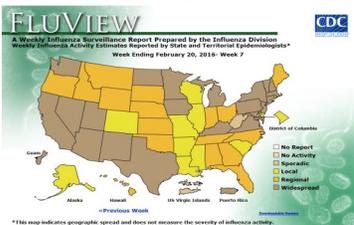
95%	DOD
97%	Army Active Duty
93%	Army Guard
84%	Army Reserve

\*Source: DHA

**SYNOPSIS:** Overall influenza activity continues to increase in both Army and civilian populations.

- **ILI Activity:** Army incident ILI outpatient visits in week 7 were 1% lower than the same week last year.
- **Influenza cases:** Five hospitalized influenza cases were reported to APHC (Prov) through DRSi in week 7; 1 AD SM and 4 non-AD beneficiaries. Three of the cases had underlying conditions.
- **Viral specimens:** During week 7, 402 of 1413 (28%) laboratory specimens tested positive for respiratory pathogens. RHC-C reported 107 influenza A-positive specimens, RHC-P reported 62, RHC-A reported 48, RHC-E reported 5, and CENTCOM reported 1.

## Geographic Spread

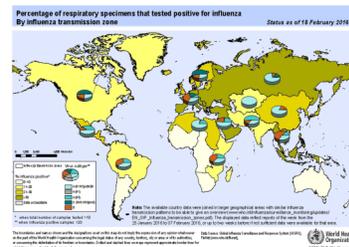


## United States

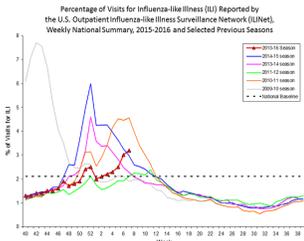
- In week 7, widespread and regional influenza activity was reported in Puerto Rico, Guam and thirty-nine states. The District of Columbia and ten states reported local influenza activity, while the US Virgin Islands and the state of WV reported sporadic activity.

## World Health Organization

- Globally, influenza activity in the northern hemisphere continues to increase. High levels of influenza activity have been reported in some countries in Europe.

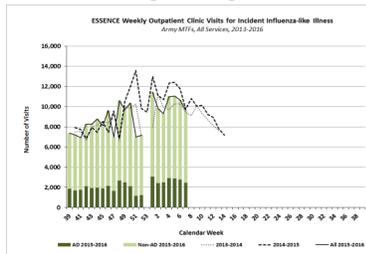


## ILI Activity United States



- Nationwide during week 7, 3.2% of outpatient visits reported in ILINet were due to ILI, which is above the national baseline of 2.1%.
- The percentage of ILI outpatient visits ranged from 1.9% to 5.7% across all reporting regions.

## ILI Activity Army



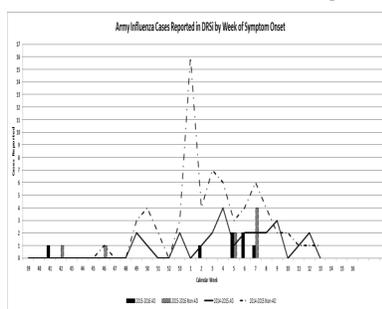
- During week 7, incident ILI activity was 1% lower than the same time last year and 2% higher than week 7 in 2013-2014.
- AD SMs accounted for 26% of incident ILI clinic visits during week 7. In 2014-2015, AD SMs comprised 27% of ILI clinic visits on average.

## Laboratory Respiratory Specimen Testing

Test Result	Week 4	Week 5	Week 6	Week 7	Season Total
Influenza A	42	61	144	223	598
Influenza B	15	31	40	68	222
Adenovirus	11	14	10	5	184
Enterovirus	0	0	0	1	20
Parainfluenza	2	8	4	1	200
RSV	81	89	93	104	1348
Negative	710	817	743	1011	12581
<b>Total Results</b>	<b>861</b>	<b>1020</b>	<b>1034</b>	<b>1413</b>	<b>15153</b>

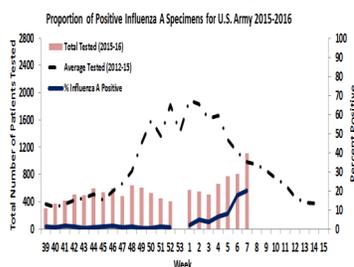
- In week 7, 28% (402) of specimens tested positive.
- Influenza A accounted for 55% of positive specimens.
- Influenza B accounted for 17% of positive specimens.
- RSV accounted for 26% of positive specimens while adenovirus accounted for 1%, and parainfluenza for less than 1%.

## DRSi Influenza Case Reporting



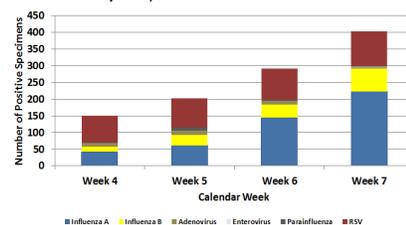
- In week 7, five cases of influenza-associated hospitalizations were reported in DRSi; 1 AD Service Member and 4 non-AD beneficiaries. Four of the cases were unvaccinated, three of which had underlying conditions.
- A total of 15 hospitalized cases have been reported to date this season, compared to 68 last season.

## Laboratory Testing for Influenza A



- In week 7, 223 of 1106 (20.2%) specimens tested positive for influenza A. This was an increase from week 6 (17.8%). 192 (86%) of the positive influenza A specimens were in non-active duty personnel.
- RHC-C reported 107 (48%) of the total influenza A-positive specimens. RHC-P reported 62 (28%) positive specimens, RHC-A reported 48 (22%), RHC-E reported 5 (2%) and CENTCOM reported 1 (0.4%).

Positive Respiratory Specimen Results from Army MTFs by Virus, 2015-2016 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; DEP- Disease Epidemiology Program; SM-Service Member

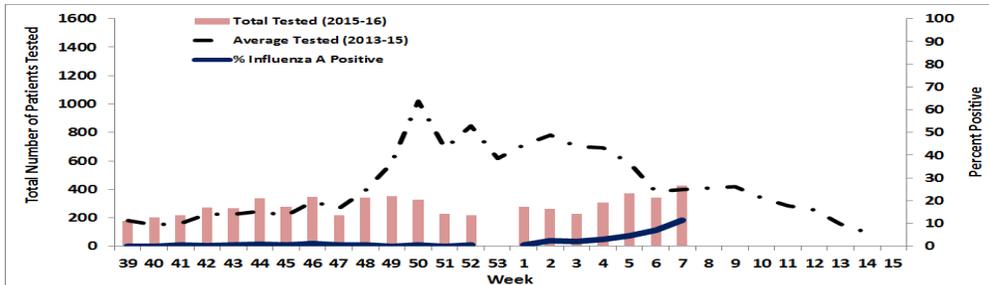
**Questions?**  
[Email APHC-DEP](mailto:Email APHC-DEP)  
 410-417-3774



# U.S. Army Influenza Activity Report

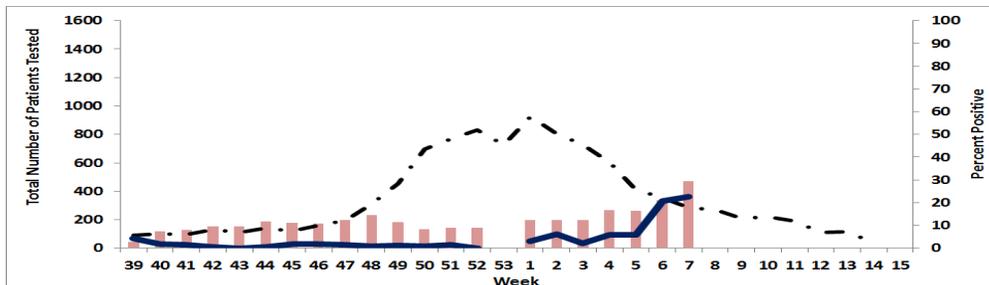
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2015-2016 as Compared to 2013-2015

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



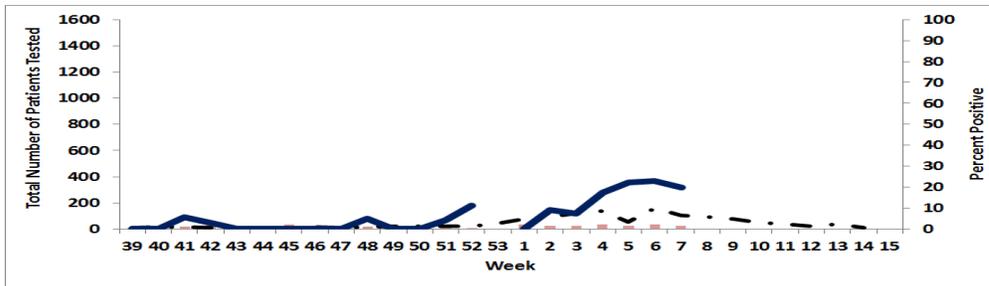
Week 7			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	23	65
18-29	5	7	20
30-39	0	4	10
40-49	1	3	18
50-59	0	4	12
60+	0	1	5
<b>Total</b>	<b>6</b>	<b>42</b>	<b>130</b>

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



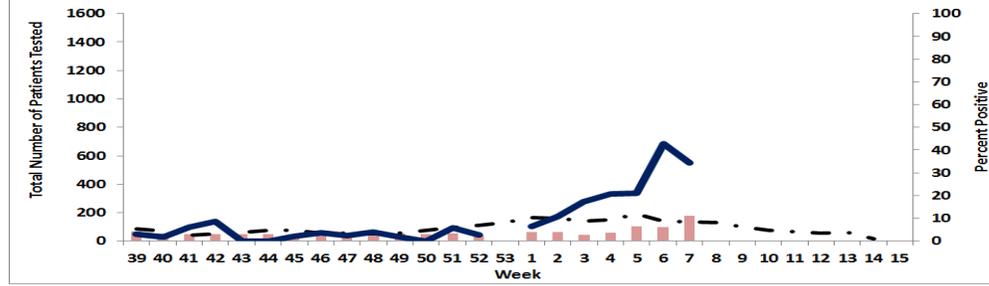
Week 7			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	45	114
18-29	6	10	43
30-39	3	12	40
40-49	3	6	23
50-59	2	8	18
60+	0	12	15
<b>Total</b>	<b>14</b>	<b>93</b>	<b>253</b>

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



Week 7			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	3	16
18-29	0	1	5
30-39	1	0	8
40-49	0	0	5
50-59	0	0	0
60+	0	0	0
<b>Total</b>	<b>1</b>	<b>4</b>	<b>34</b>

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



Week 7			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	34	94
18-29	2	2	23
30-39	4	4	21
40-49	3	5	18
50-59	1	2	11
60+	0	5	11
<b>Total</b>	<b>10</b>	<b>52</b>	<b>178</b>

Number of Positive Influenza A Specimens by Duty Status and Region

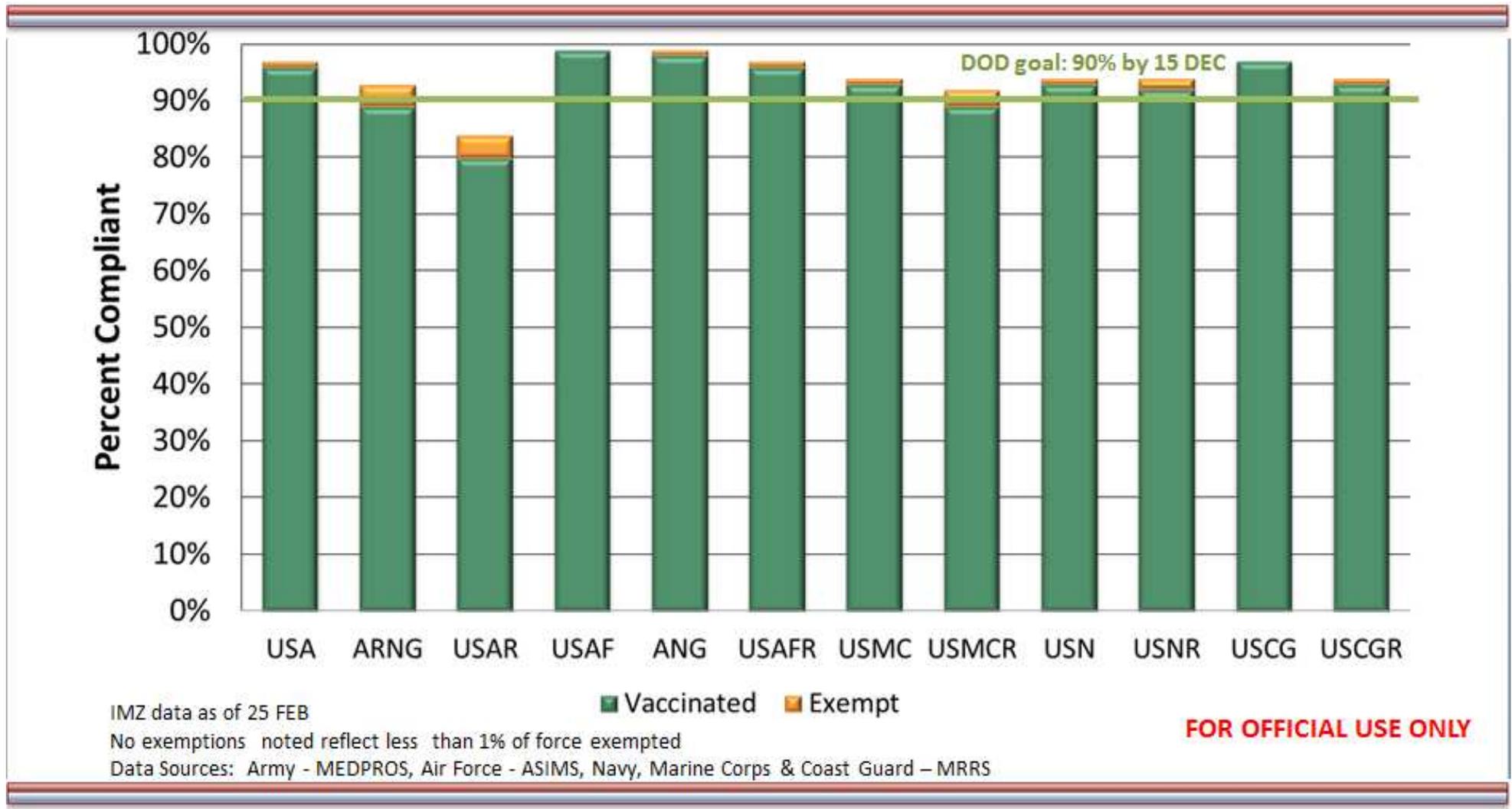
Region	Week 52		Week 1		Week 2		Week 3		Week 4		Week 5		Week 6		Week 7	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
RHC-A	1	0	0	2	3	3	2	3	1	8	5	12	6	18	6	42
RHC-C	0	0	2	4	6	6	2	2	5	10	4	11	17	53	14	93
RHC-E	0	1	0	0	1	1	2	0	2	4	1	5	4	4	1	4
RHC-P	0	1	1	3	1	6	0	8	3	9	5	17	8	34	10	52
CENTCOM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1

**Locations providing week 7 laboratory data as of 24 February 2016:** Korea, 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 Army (COMPO 1) compliance as of 25 February 2016



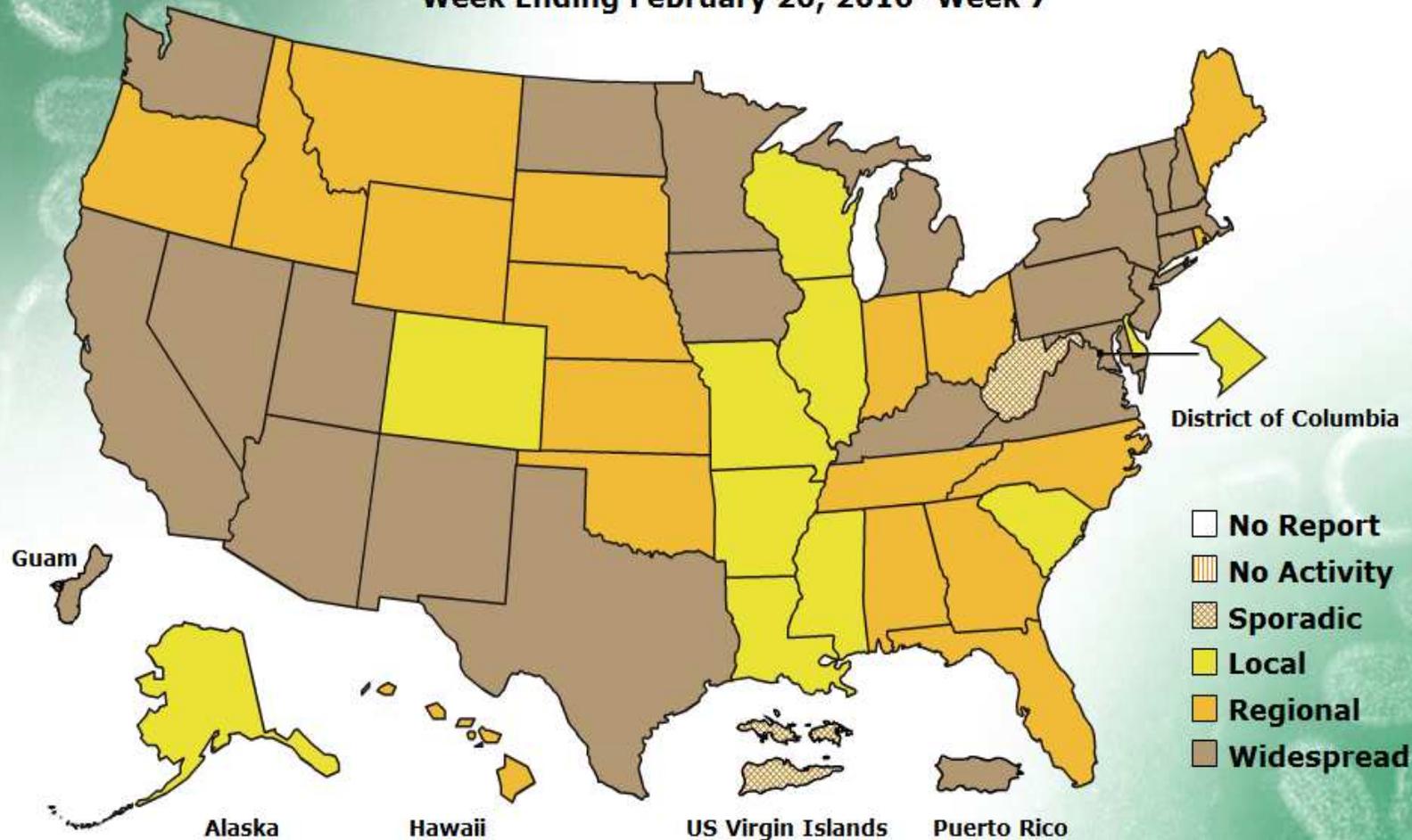
Data Source: MEDPROS  
Previous weeks included for comparison

# FLUVIEW



**A Weekly Influenza Surveillance Report Prepared by the Influenza Division  
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\***

**Week Ending February 20, 2016- Week 7**



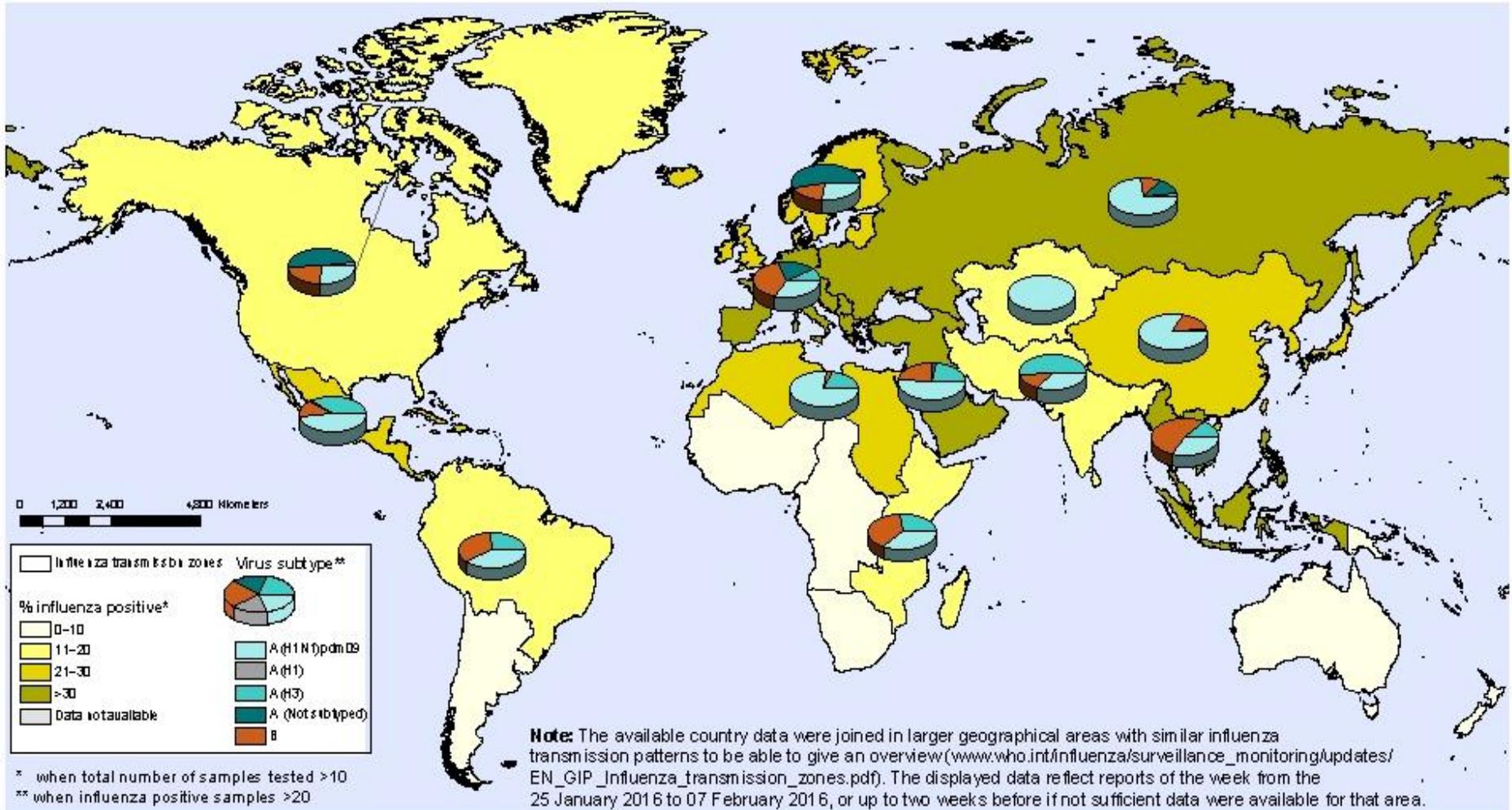
[«Previous Week](#)

[Downloadable Version](#)

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

# Percentage of respiratory specimens that tested positive for influenza By influenza transmission zone

Status as of 18 February 2016

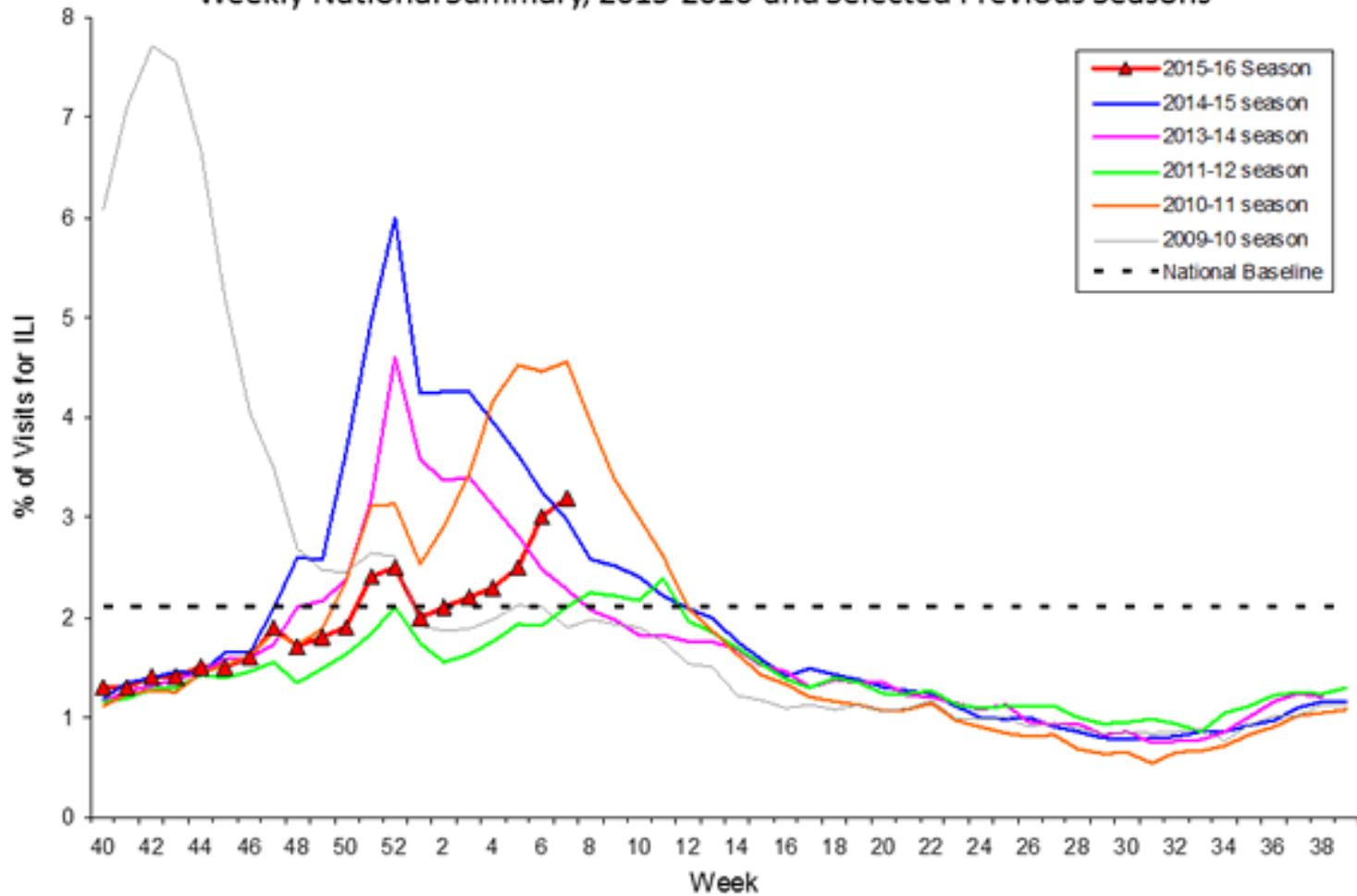


\* when total number of samples tested > 10  
\*\* when influenza positive samples > 20

The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

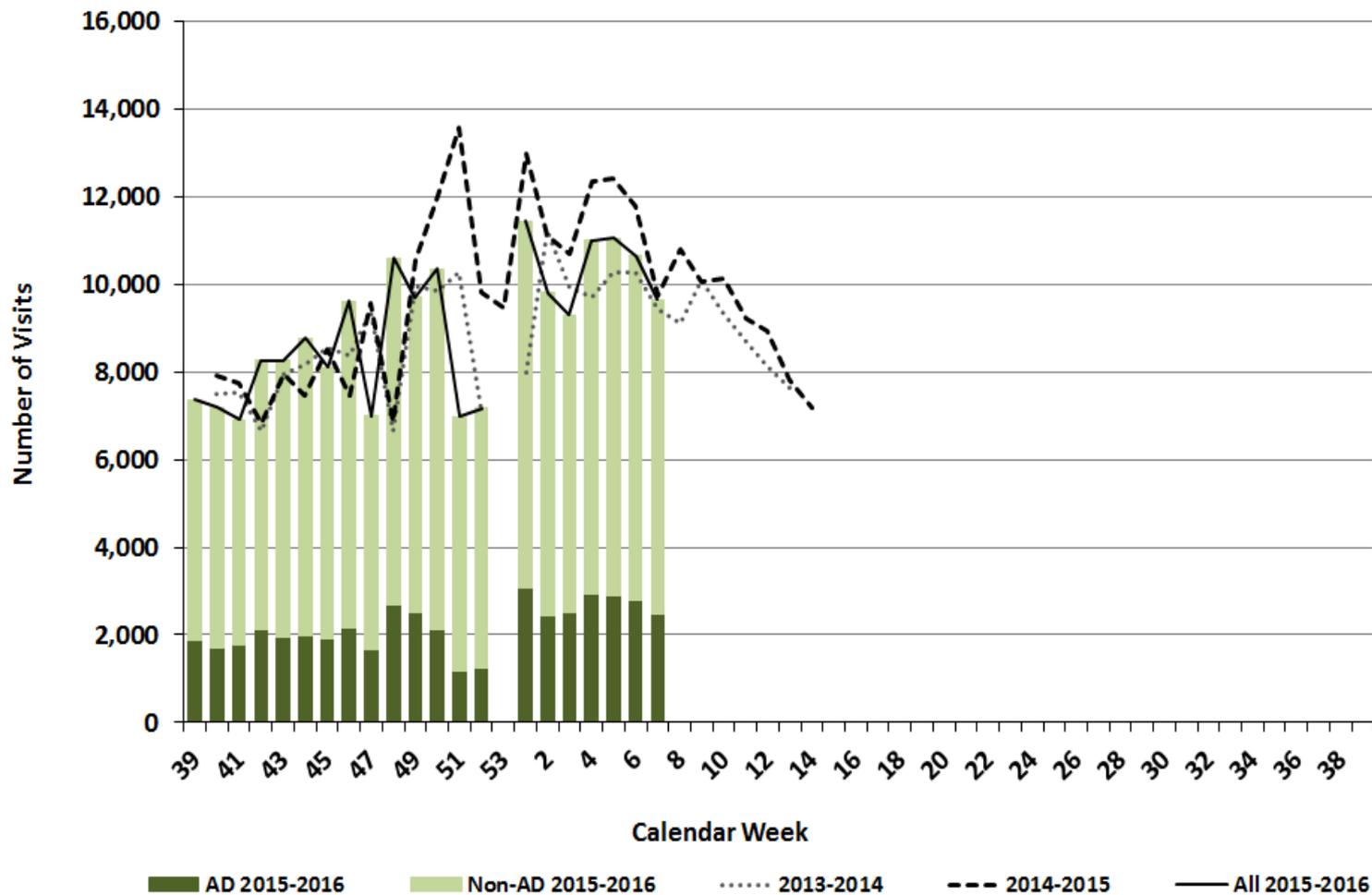
Data Source: Global Influenza Surveillance and Response System (GISRS), FluNet ([www.who.int/flu-net](http://www.who.int/flu-net)).

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2015-2016 and Selected Previous Seasons



### ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

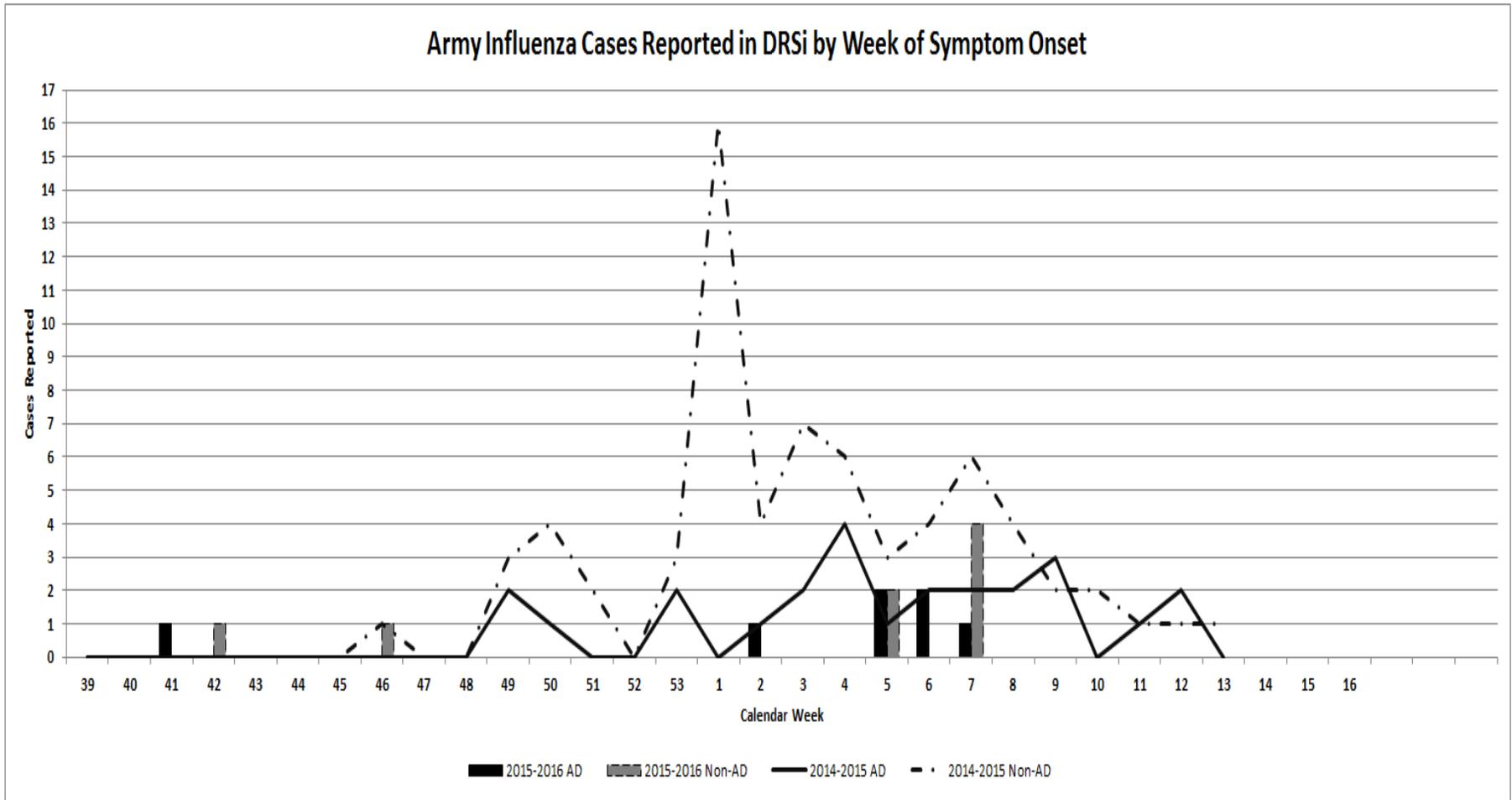
Army MTFs, All Services, 2013-2016



Clinic visits for ILI are obtained from ESSENCE. Data as of 25 February 2016.

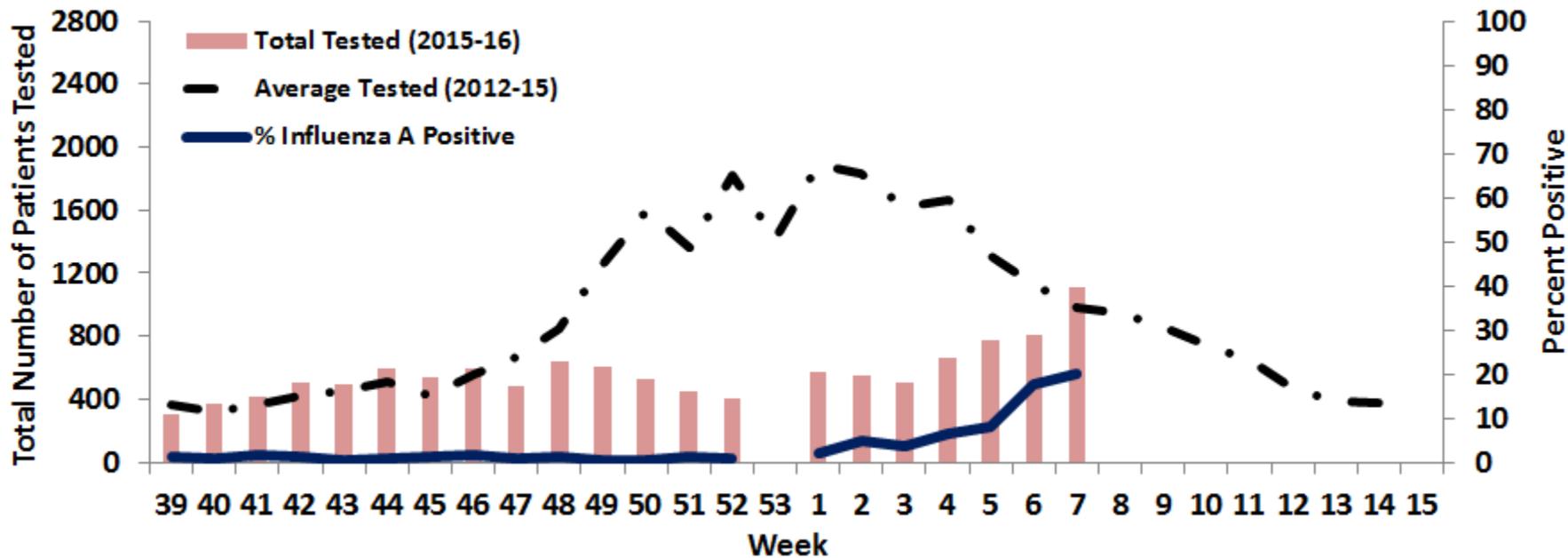
### Army MTF Laboratory Results, 2015-16

Test Result	Week 4	Week 5	Week 6	Week 7	Season Total
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<b>RSV</b>	81	89	93	104	<b>1348</b>
<b><i>Negative</i></b>	<i>710</i>	<i>817</i>	<i>743</i>	<i>1011</i>	<b>12581</b>
<b>Total Results</b>	<b>861</b>	<b>1020</b>	<b>1034</b>	<b>1413</b>	<b>15153</b>

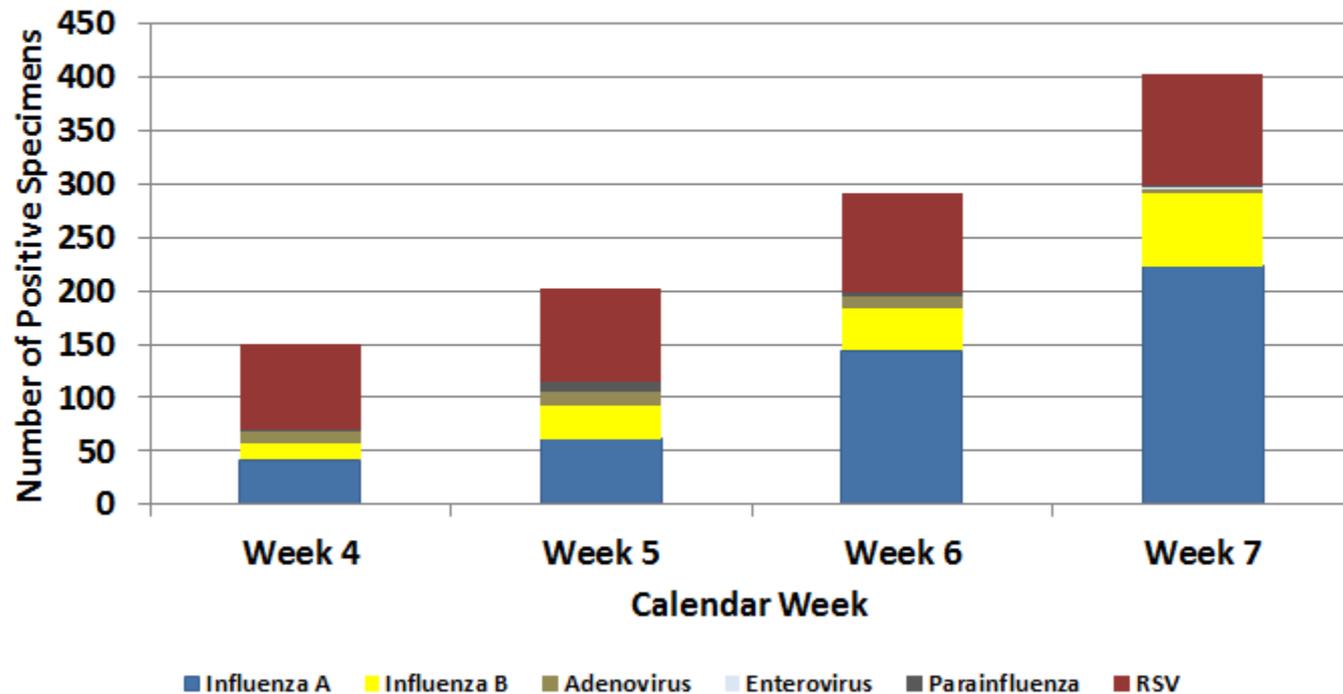


**Note:** Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information  
 Data as of 25 February 2016.

Proportion of Positive Influenza A Specimens for U.S. Army 2015-2016



## Positive Respiratory Specimen Results from Army MTFs by Virus, 2015-2016 Influenza Season



Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 52		Week 1		Week 2		Week 3		Week 4		Week 5		Week 6		Week 7	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
RHC-A	1	0	0	2	3	3	2	3	1	8	5	12	6	18	6	42
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RHC-E	0	1	0	0	1	1	2	0	2	4	1	5	4	4	1	4
RHC-P	0	1	1	3	1	6	0	8	3	9	5	17	8	34	10	52
CENTCOM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1