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# U.S. Army Influenza Activity Report

Week Ending 27 February 2016 (Week 08)

## 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:** All regions, except RHC-P and CENTCOM, demonstrated increased influenza A positive specimens.

- **ILI Activity:** Army incident ILI outpatient visits in week 8 were 3% higher than the same week last year.
- **Influenza cases:** Four hospitalized influenza cases were reported to APHC (Prov) through DRSi in week 8; 1 AD SM and 3 non-AD beneficiaries. Three of the cases had underlying conditions.
- **Viral specimens:** During week 8, 447 of 1579 (28%) laboratory specimens tested positive for respiratory pathogens. RHC-C reported 112 influenza A-positive specimens, RHC-A reported 99, RHC-P reported 40, and RHC-E reported 17. CENTCOM did not report any positive influenza A specimens.

## Geographic Spread

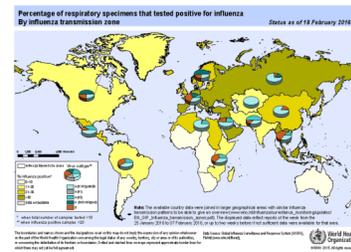


## United States

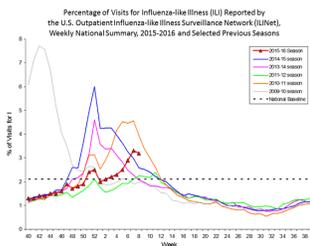
- In week 8, widespread and regional influenza activity was reported in Puerto Rico, Guam and forty-seven states. The District of Columbia and one state (MS) reported local influenza activity, while the US Virgin Islands and two states (OR, WV) reported sporadic activity.

## World Health Organization

- In North America, Canada and the United States of America, reported increased activity predominantly of influenza A (H1N1)pdm09 virus. Mexico reported low levels of A(H3N2) virus activity.

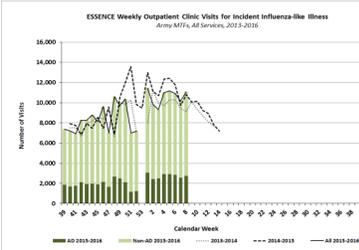


## ILI Activity United States



- Nationwide, during week 8, 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 1.2% to 4.2% across all reporting regions.

## ILI Activity Army



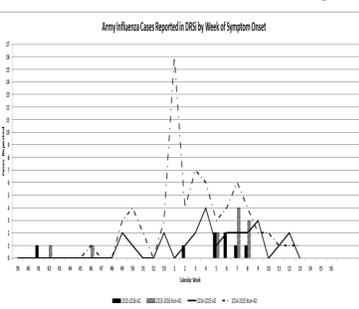
- During week 8, incident ILI activity was 3% higher than the same time last year and 22% higher than week 8 in 2013-2014.
- AD SMs accounted for 25% of incident ILI clinic visits during week 8. In 2014-2015, AD SMs comprised 26% of ILI clinic visits on average.

## Laboratory Respiratory Specimen Testing

Test Result	Week 5	Week 6	Week 7	Week 8	Season Total
Influenza A	61	143	223	268	865
Influenza B	31	40	67	74	295
Adenovirus	14	10	5	7	191
Enterovirus	0	0	1	1	21
Parainfluenza	8	4	1	1	201
RSV	89	93	104	96	1444
Negative	816	724	982	1132	13649
<b>Total Results</b>	<b>1019</b>	<b>1014</b>	<b>1383</b>	<b>1579</b>	<b>16666</b>

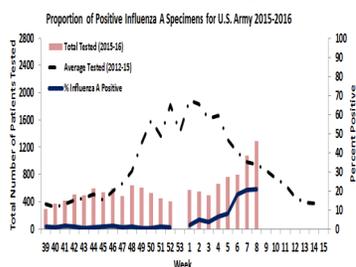
- In week 8, 28% (447) of specimens tested positive.
- Influenza A accounted for 60% of positive specimens.
- Influenza B accounted for 17% of positive specimens.
- RSV accounted for 21% of positive specimens while adenovirus accounted for 2%, and parainfluenza for less than 1%.

## DRSi Influenza Case Reporting



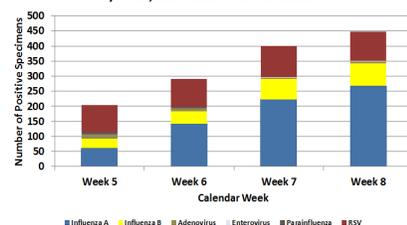
- In week 8, four cases of influenza-associated hospitalizations were reported in DRSi; 1 AD Service Member and 3 non-AD beneficiaries. Three of the cases were unvaccinated and three had underlying conditions.
- A total of 19 hospitalized cases have been reported to date this season, compared to 76 last season.

## Laboratory Testing for Influenza A



- In week 8, 268 of 1286 (20.8%) specimens tested positive for influenza A. This was very similar to week 7 (20.6%). 219 (82%) of the positive influenza A specimens were in non-AD personnel.
- RHC-C reported 112 (42%) of the total influenza A-positive specimens. RHC-A reported 99 (37%) positive specimens, RHC-P reported 40 (15%), and RHC-E reported 17 (6%). CENTCOM did not report any positive influenza A specimens.

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

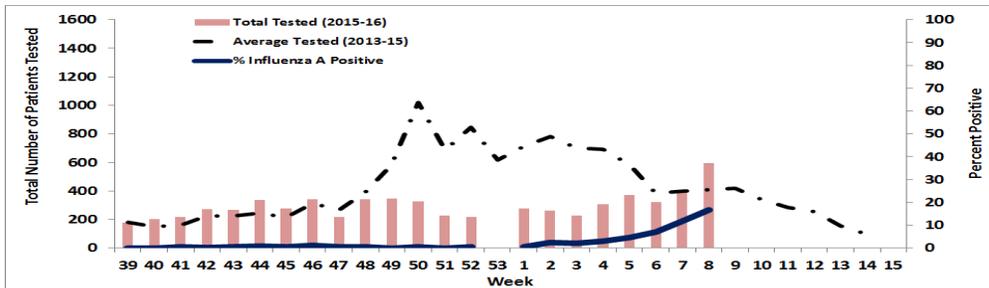
**Questions?**  
 Email APHC-DEP  
 410-417-3774



# U.S. Army Influenza Activity Report

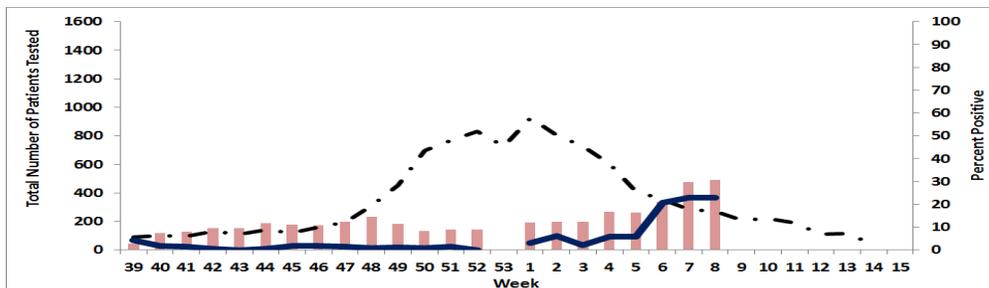
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2015-2016 as Compared to 2013-2015

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



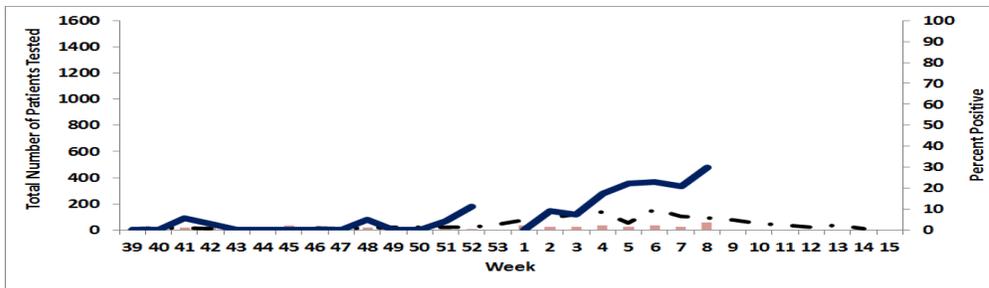
Week 8			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	50	113
18-29	5	8	33
30-39	4	8	22
40-49	4	6	28
50-59	1	9	22
60+	0	4	9
<b>Total</b>	<b>14</b>	<b>85</b>	<b>227</b>

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



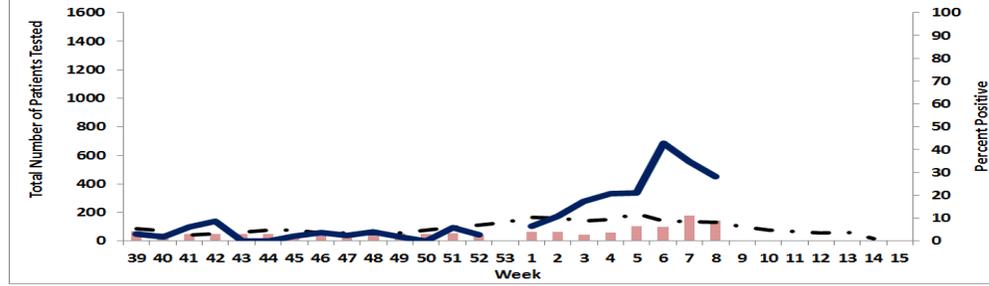
Week 8			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	55	169
18-29	9	8	60
30-39	6	6	53
40-49	6	8	37
50-59	0	10	28
60+	0	4	19
<b>Total</b>	<b>21</b>	<b>91</b>	<b>366</b>

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



Week 8			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	7	23
18-29	2	1	8
30-39	3	3	14
40-49	0	1	6
50-59	0	0	0
60+	0	0	0
<b>Total</b>	<b>5</b>	<b>12</b>	<b>51</b>

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



Week 8			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	21	115
18-29	2	6	31
30-39	5	2	28
40-49	2	0	20
50-59	0	0	11
60+	0	2	13
<b>Total</b>	<b>9</b>	<b>31</b>	<b>218</b>

Number of Positive Influenza A Specimens by Duty Status and Region

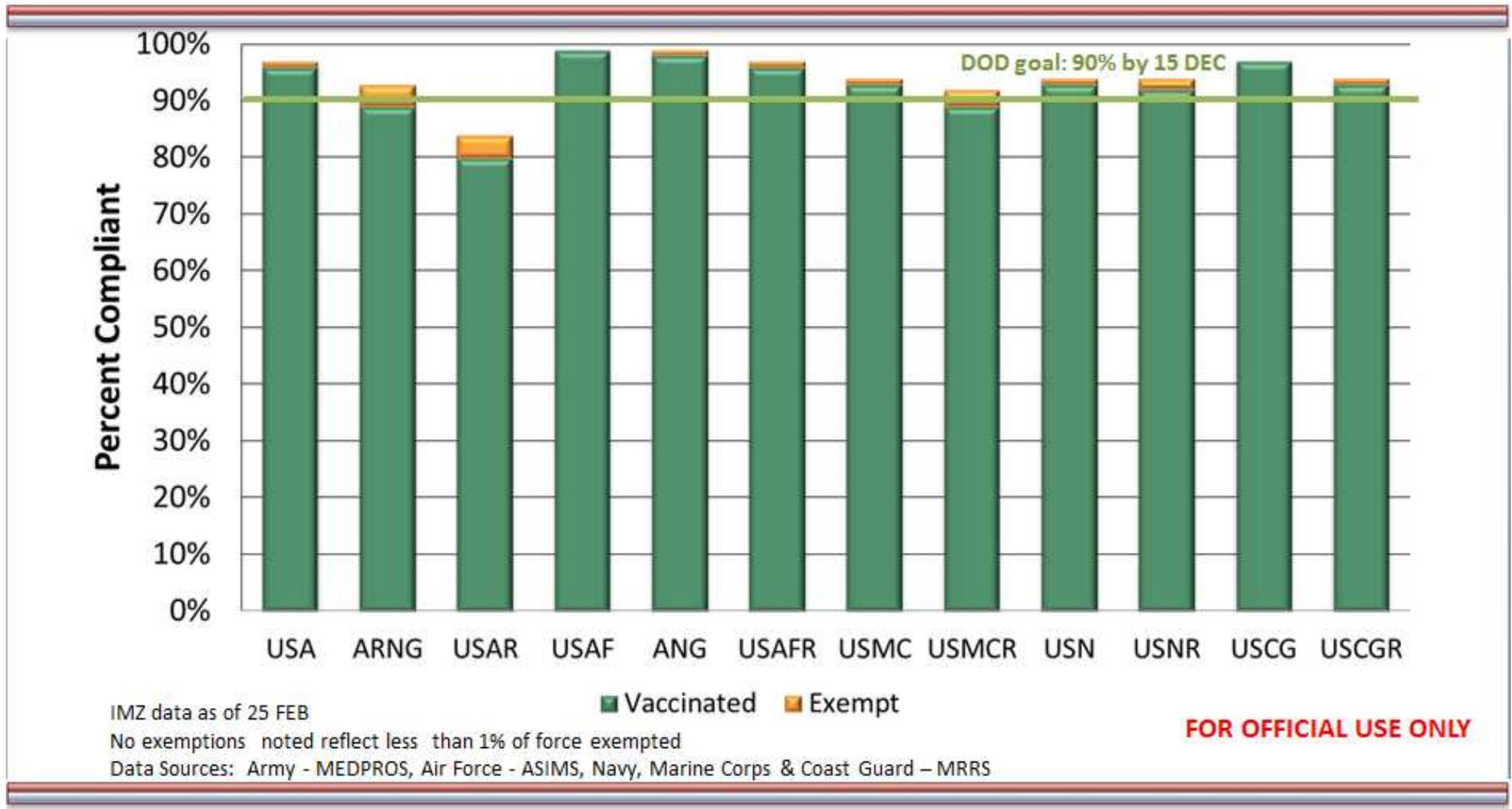
Region	Week 1		Week 2		Week 3		Week 4		Week 5		Week 6		Week 7		Week 8	
	AD	Non-AD														
RHC-A	0	2	3	3	2	3	1	8	5	12	6	17	6	41	14	85
RHC-C	2	4	6	6	2	2	5	10	4	11	17	53	14	94	21	91
RHC-E	0	0	1	1	2	0	2	4	1	5	4	4	1	4	5	12
RHC-P	1	3	1	6	0	8	3	9	5	17	8	34	10	52	9	31
CENTCOM	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0

**Locations providing week 8 laboratory data as of 2 March 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, Landstuhl, Redstone Arsenal, Tripler, West Point, and Walter Reed.



# Seasonal Influenza Immunization Status

## Weekly Army (COMPO 1) compliance as of 25 February 2016



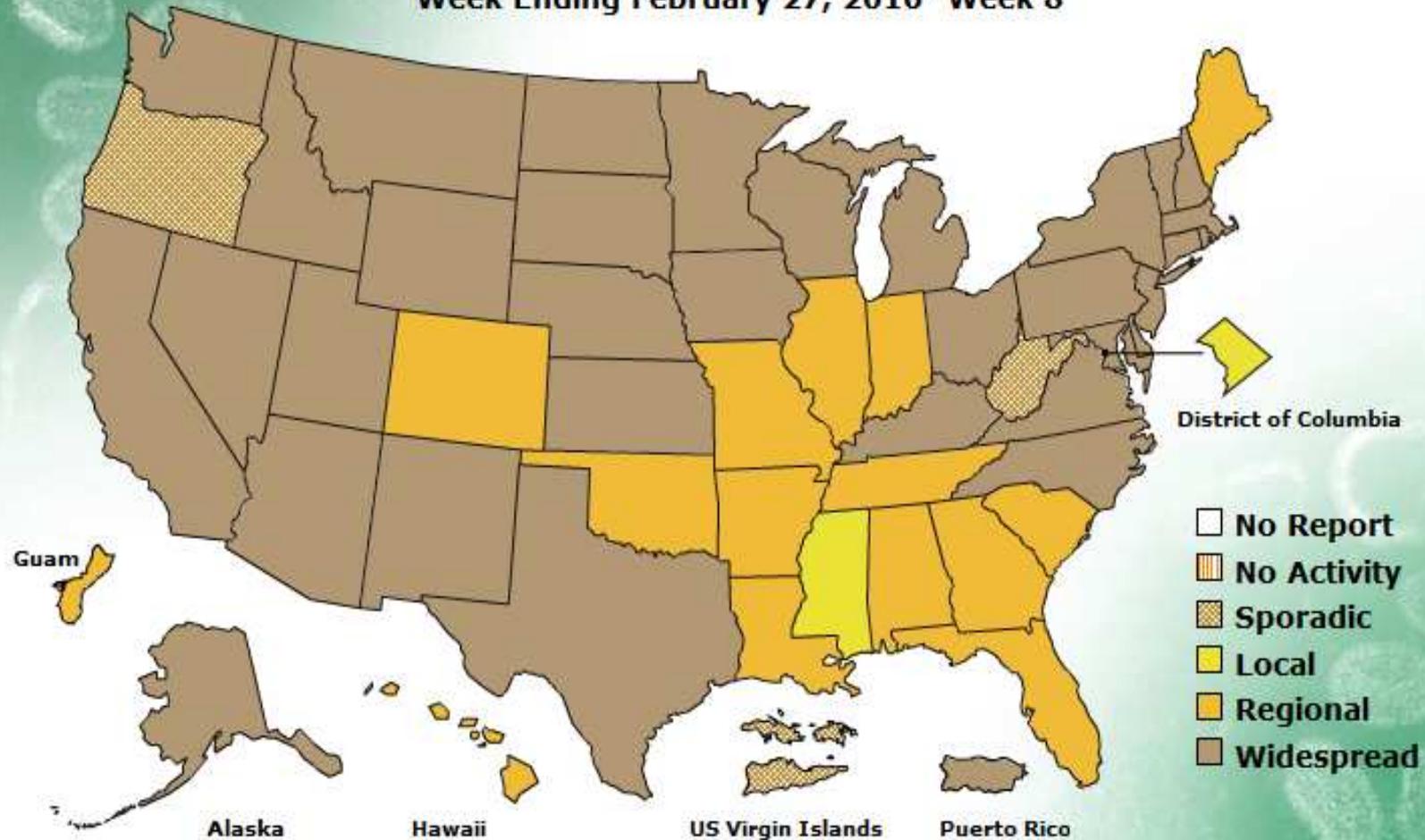
Data Source: MEDPROS  
Previous weeks included for comparison

# FLUVIEW



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

Week Ending February 27, 2016- Week 8



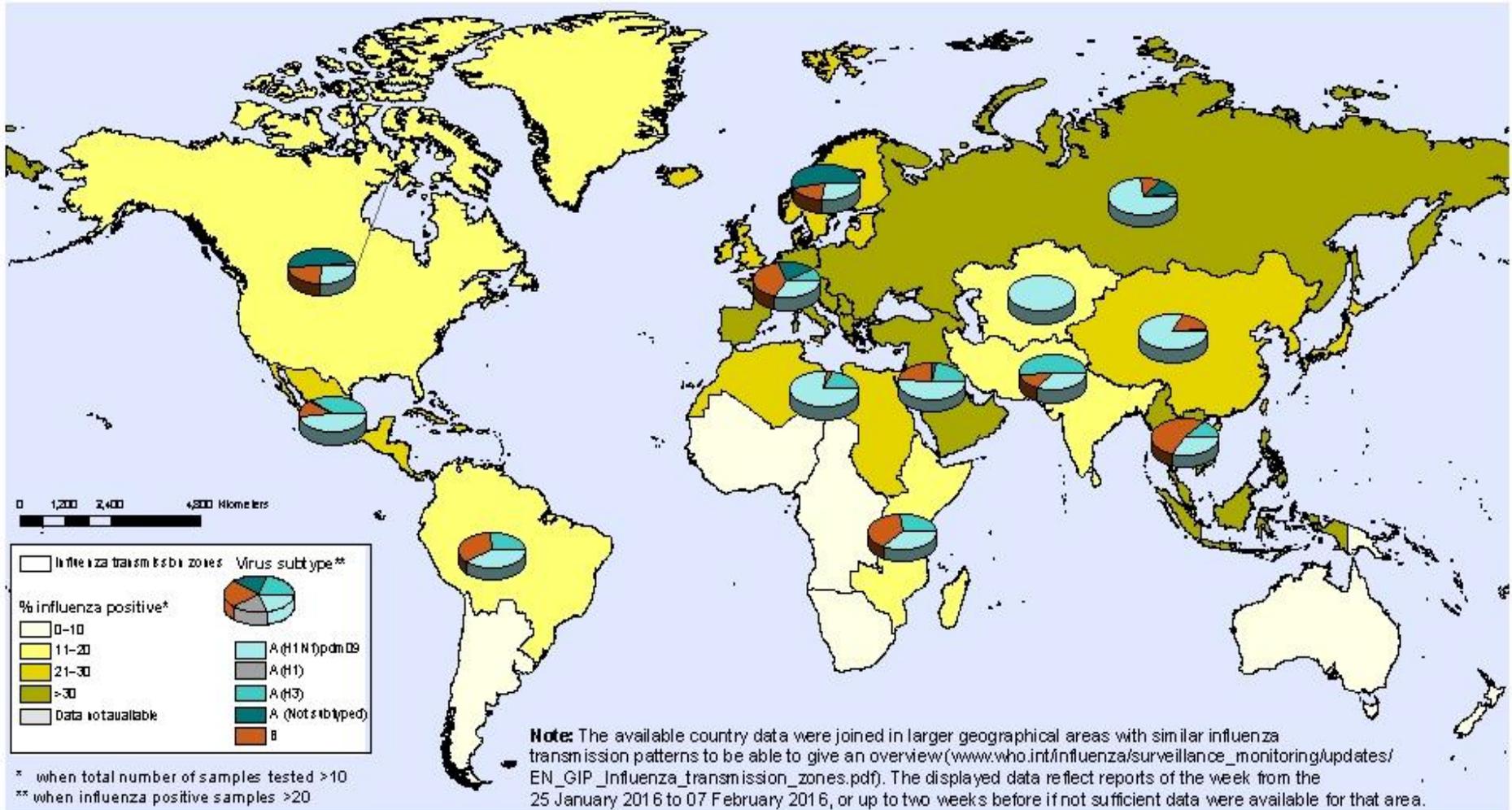
[«Previous Week](#)

[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

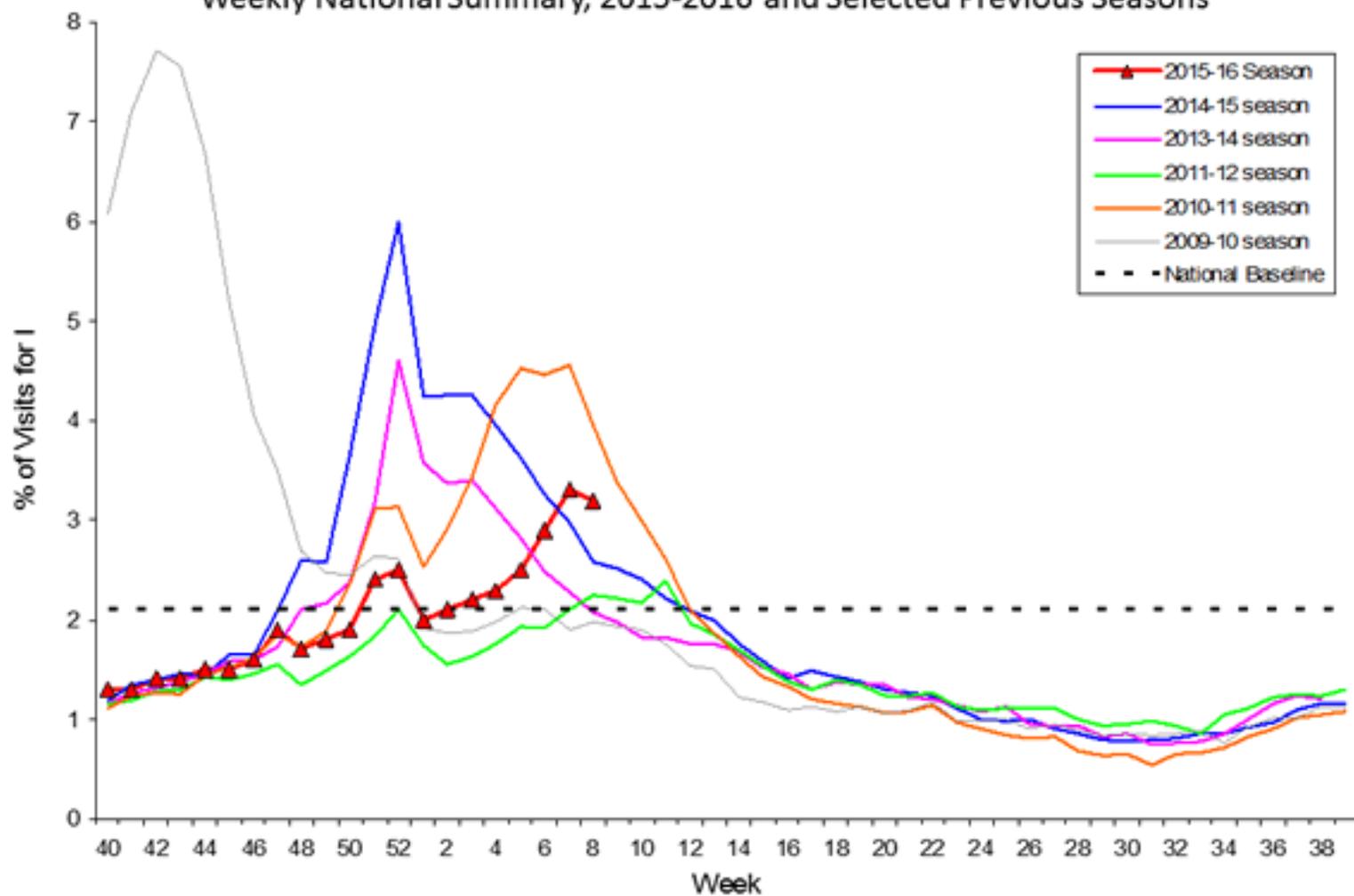
The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers 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)).

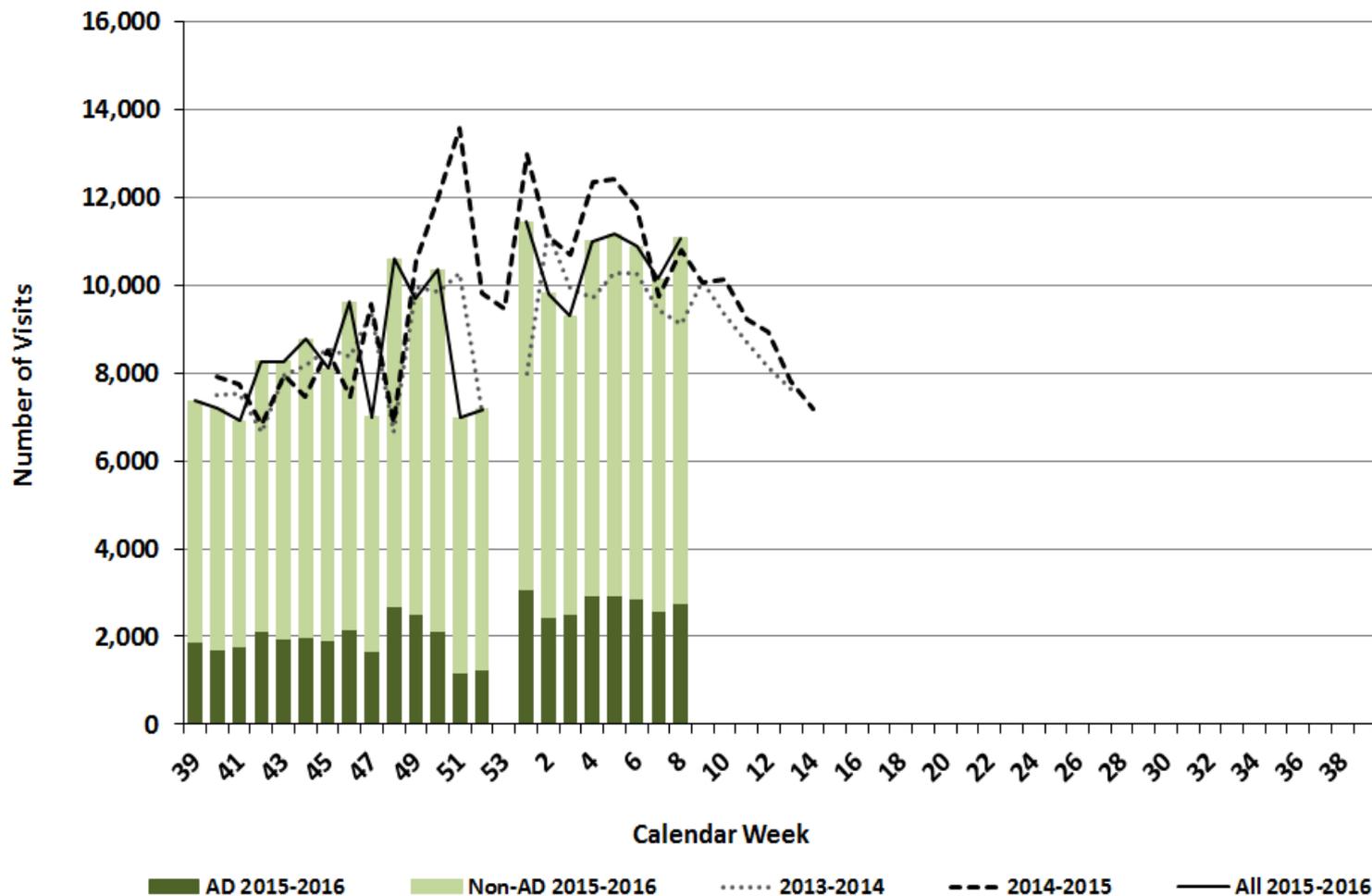


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Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2015-2016 and Selected Previous Seasons



**ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness**  
*Army MTFs, All Services, 2013-2016*

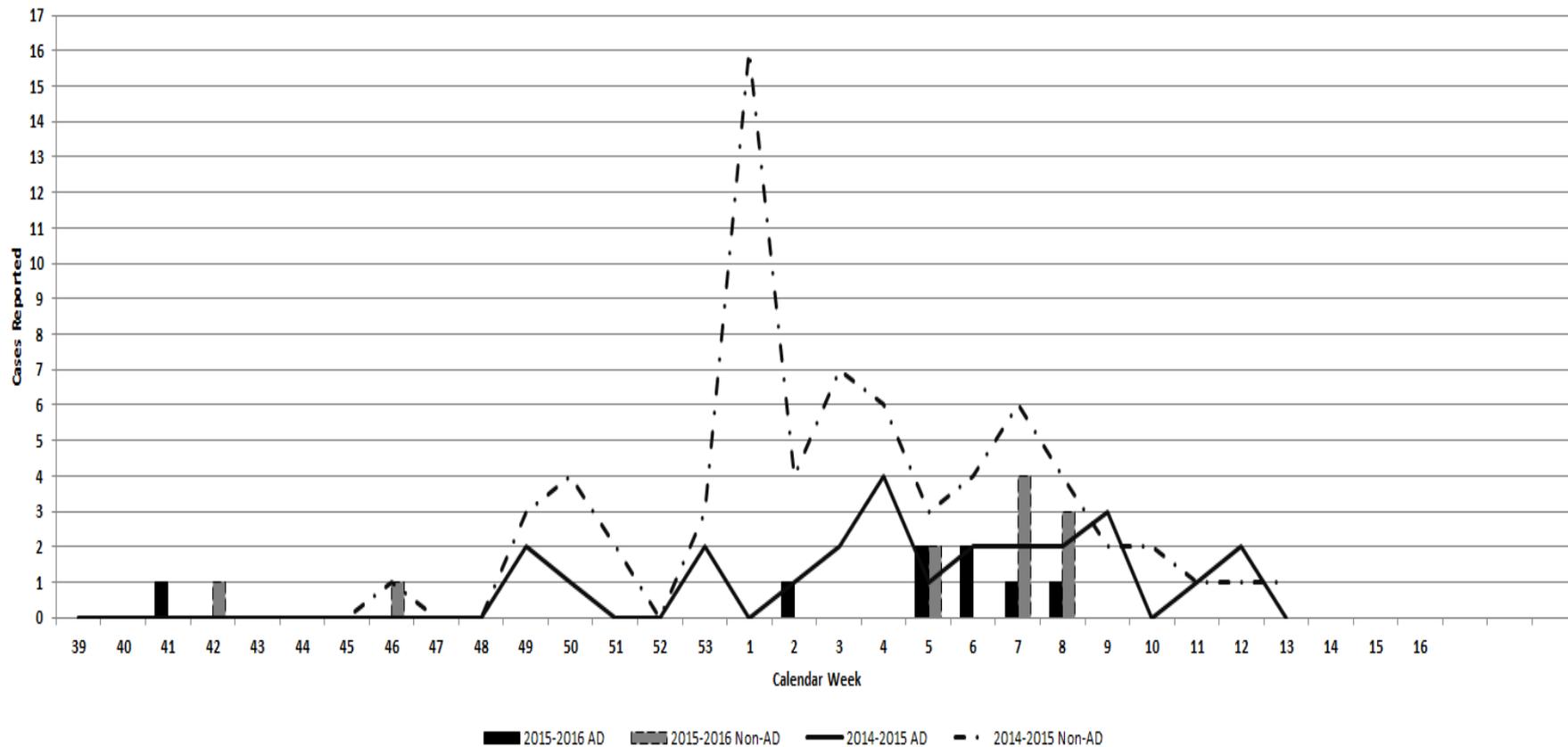


*Clinic visits for ILI are obtained from ESSENCE. Data as of 3 March 2016.*

### Army MTF Laboratory Results, 2015-16

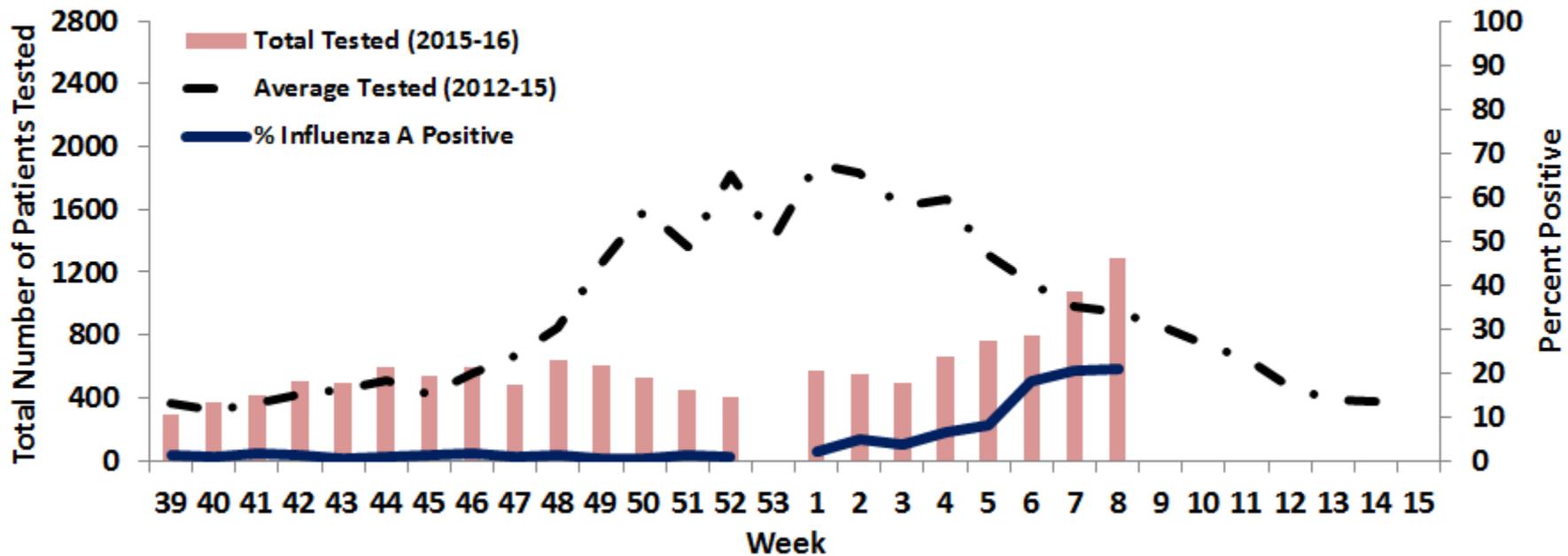
Test Result	Week 5	Week 6	Week 7	Week 8	Season Total
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<b>Parainfluenza</b>	8	4	1	1	<b>201</b>
<b>RSV</b>	89	93	104	96	<b>1444</b>
<i>Negative</i>	<i>816</i>	<i>724</i>	<i>982</i>	<i>1132</i>	<b>13649</b>
<b>Total Results</b>	<b>1019</b>	<b>1014</b>	<b>1383</b>	<b>1579</b>	<b>16666</b>

Army Influenza Cases Reported in DRSi by Week of Symptom Onset

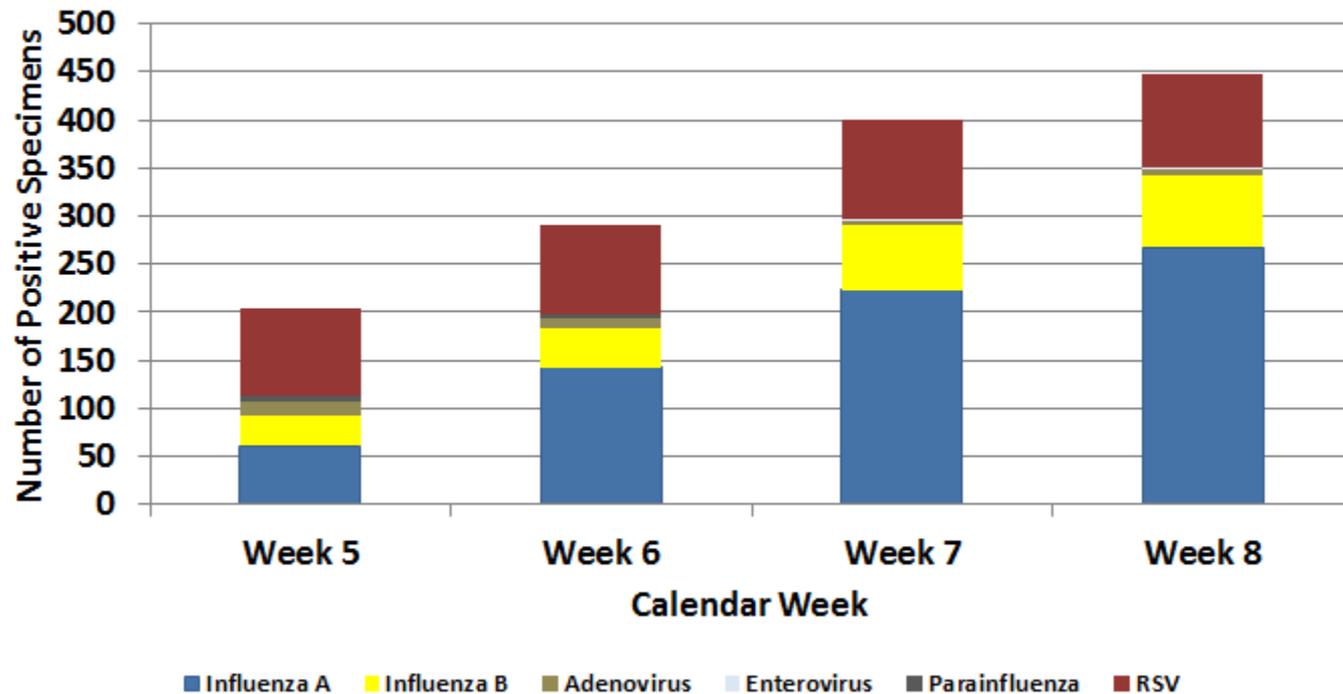


**Note:** Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information  
 Data as of 3 March 2016.

### 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 1		Week 2		Week 3		Week 4		Week 5		Week 6		Week 7		Week 8	
	AD	Non-AD														
RHC-A	0	2	3	3	2	3	1	8	5	12	6	17	6	41	14	85
RHC-C	2	4	6	6	2	2	5	10	4	11	17	53	14	94	21	91
RHC-E	0	0	1	1	2	0	2	4	1	5	4	4	1	4	5	12
RHC-P	1	3	1	6	0	8	3	9	5	17	8	34	10	52	9	31
CENTCOM	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0