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# U.S. Army Influenza Activity Report

Week Ending 13 December 2014 (Week 50)

## 2014-2015 Seasonal Influenza Vaccination Coverage

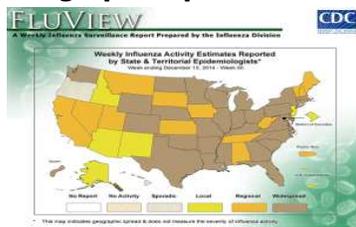
As of 17 DEC 2014

91%	DOD
94%	Army Active Duty
89%	Army Guard
75%	Army Reserve

**SYNOPSIS:** Overall influenza activity continues to increase in both Army and civilian populations. The south-east region of the U.S. continues to see higher influenza activity than other regions, as is the midwest.

- **ILI Activity:** Army incident ILI outpatient visits in week 50 were 10% higher than for the same week last year.
- **Influenza cases:** Two hospitalized influenza cases were reported to USAPHC in week 50. To date, 3 cases have been reported during this influenza season: 1 AD SM and 2 non-vaccinated non-AD beneficiaries.
- **Viral specimens:** During week 50, 627 of 1807 (35%) laboratory specimens tested positive for respiratory pathogens; 527 of 1616 (32.6%) specimens tested for influenza A were positive. SRMC reported the most influenza A-positive specimens (77%), followed by NRMC (11%), WRMC (11%), ERMC (1%), and PRMC (0.4%).

## Geographic Spread

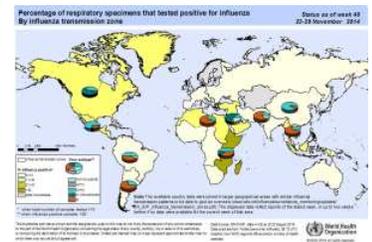


### United States

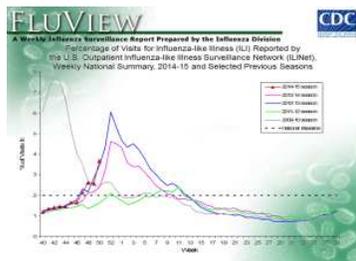
- In week 50, Puerto Rico, Guam and forty-three states reported wide-spread and regional influenza activity. Seven states, the District of Columbia, and the U.S. Virgin Islands reported local and sporadic activity.

### World Health Organization

- In North America, the levels of influenza activity, mainly associated with A(H3N2) virus, passed the seasonal threshold. In Europe, overall influenza activity continued to increase.

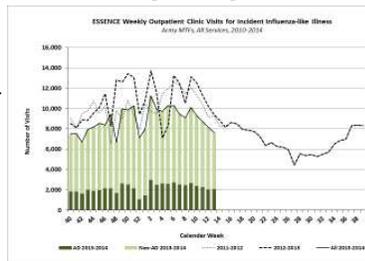


## ILI Activity United States



- Nationwide during week 50, 3.7% of outpatient visits reported in ILINet were due to ILI, which is above the national baseline of 2.0%.
- The percentage of ILI outpatient visits ranged from 1.5% to 8.2% across the regions reporting.

## ILI Activity Army



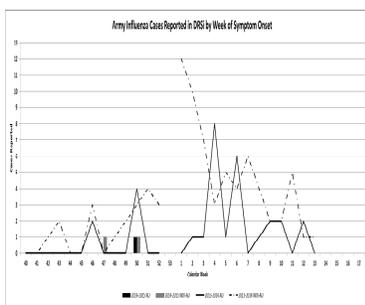
- During week 50, incident ILI activity was 10% higher than the same time last year and 19% lower than week 50 in 2012-2013.
- AD SMs accounted for 25% of incident ILI clinic visits during week 50; in 2013-2014, AD SMs comprised 26% of ILI clinic visits on average during week 50.

## Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2013-14					
Test Result	Week 47	Week 48	Week 49	Week 50	Season Total
Influenza A	67	167	305	527	1230
Influenza B	3	11	14	23	80
Adenovirus	12	5	9	12	89
Enterovirus	0	0	2	0	4
Parainfluenza	10	7	8	9	107
RSV	31	38	47	56	335
Negative	537	516	817	1180	6329
<b>Total Results</b>	<b>660</b>	<b>744</b>	<b>1202</b>	<b>1807</b>	<b>8174</b>

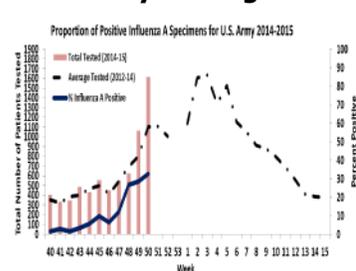
- 35% (627) of specimens tested positive during week 50.
- Influenza A accounted for 84% of positive specimens.
- RSV accounted for 9% of positive specimens, influenza B for 4%, adenovirus for 2%, and parainfluenza for 1%.
- No specimens tested positive for enterovirus.

## DRSi Influenza Case Reporting



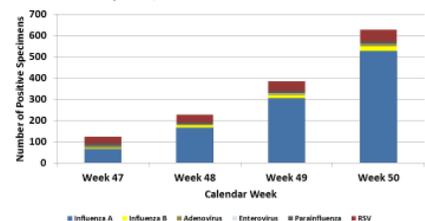
- In week 50, 2 influenza-associated hospitalizations were reported in DRSi; 1 in a vaccinated SM and 1 in a pregnant non-vaccinated dependent.
- A total of 3 hospitalized influenza cases have been reported to date this season; 7 had been reported by this point last season.

## Laboratory Testing for Influenza A



- In week 50, 527 of 1616 (32.6%) specimens tested for influenza A were positive, a slight increase from week 49 where 29% of specimens tested positive for influenza A. 456 (87%) of the positive influenza A specimens were from non-AD personnel.
- SRMC labs reported 406 (77%) of the total influenza A positive specimens. NRMC reported 56 (11%) positive influenza A specimens, WRMC reported 58 (11%), ERMC reported 5 (1%), and PRMC reported 2 (0.4%). CENTCOM reported no influenza A-positive specimens for week 50.

Positive Respiratory Specimen Results from Army MTFs by Virus, 2014-2015 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

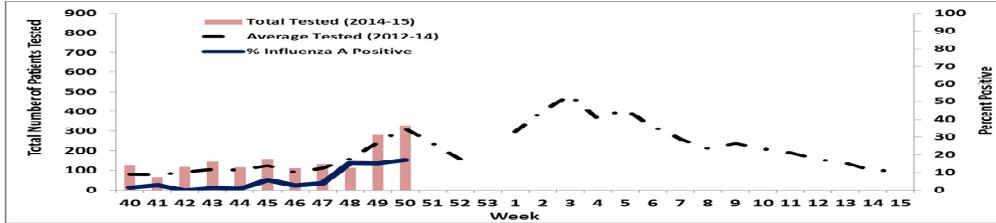
## Questions?

Email [USAPHC-DEP](mailto:USAPHC-DEP)  
410-417-3774

# U.S. Army Influenza Activity Report

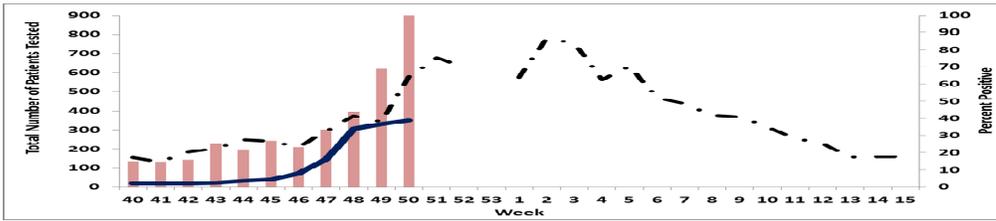
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2014-2015 as Compared to 2013-2014

## Northern Regional Medical Command (NRMC)



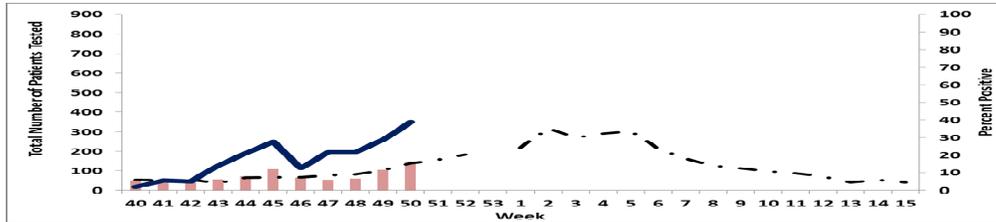
Week 50			
Age Group	AD	Non-AD Ben	Season Total
< 18	1	37	90
18-29	8	0	22
30-39	1	3	11
40-49	0	2	11
50-59	0	1	9
60+	0	3	5
<b>Total</b>	<b>10</b>	<b>46</b>	<b>148</b>

## Southern Regional Medical Command (SRMC)



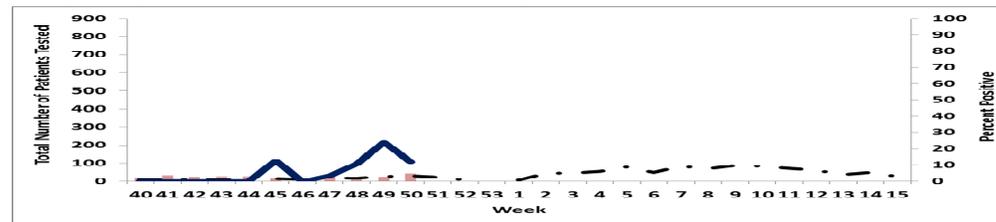
Week 50			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	268	544
18-29	24	23	107
30-39	24	27	102
40-49	3	12	43
50-59	3	12	38
60+	0	10	38
<b>Total</b>	<b>54</b>	<b>352</b>	<b>872</b>

## Western Regional Medical Command (WRMC)



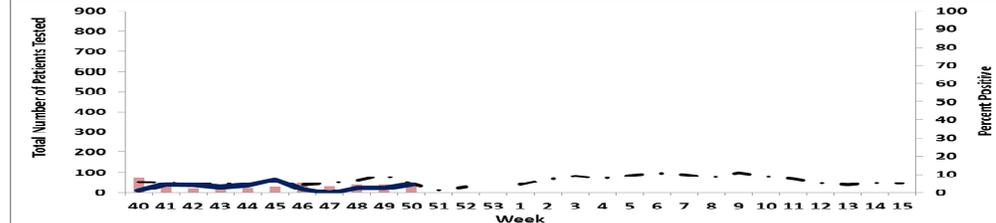
Week 50			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	39	124
18-29	1	2	18
30-39	2	3	18
40-49	1	5	11
50-59	0	3	7
60+	0	2	3
<b>Total</b>	<b>4</b>	<b>54</b>	<b>181</b>

## Europe Regional Medical Command (ERMC)



Week 50			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	3
18-29	0	2	6
30-39	1	0	3
40-49	1	0	3
50-59	0	0	0
60+	0	0	1
<b>Total</b>	<b>2</b>	<b>3</b>	<b>16</b>

## Pacific Regional Medical Command (PRMC)



Week 50			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	3
18-29	1	0	6
30-39	0	0	1
40-49	0	0	1
50-59	0	1	1
60+	0	0	1
<b>Total</b>	<b>1</b>	<b>1</b>	<b>13</b>

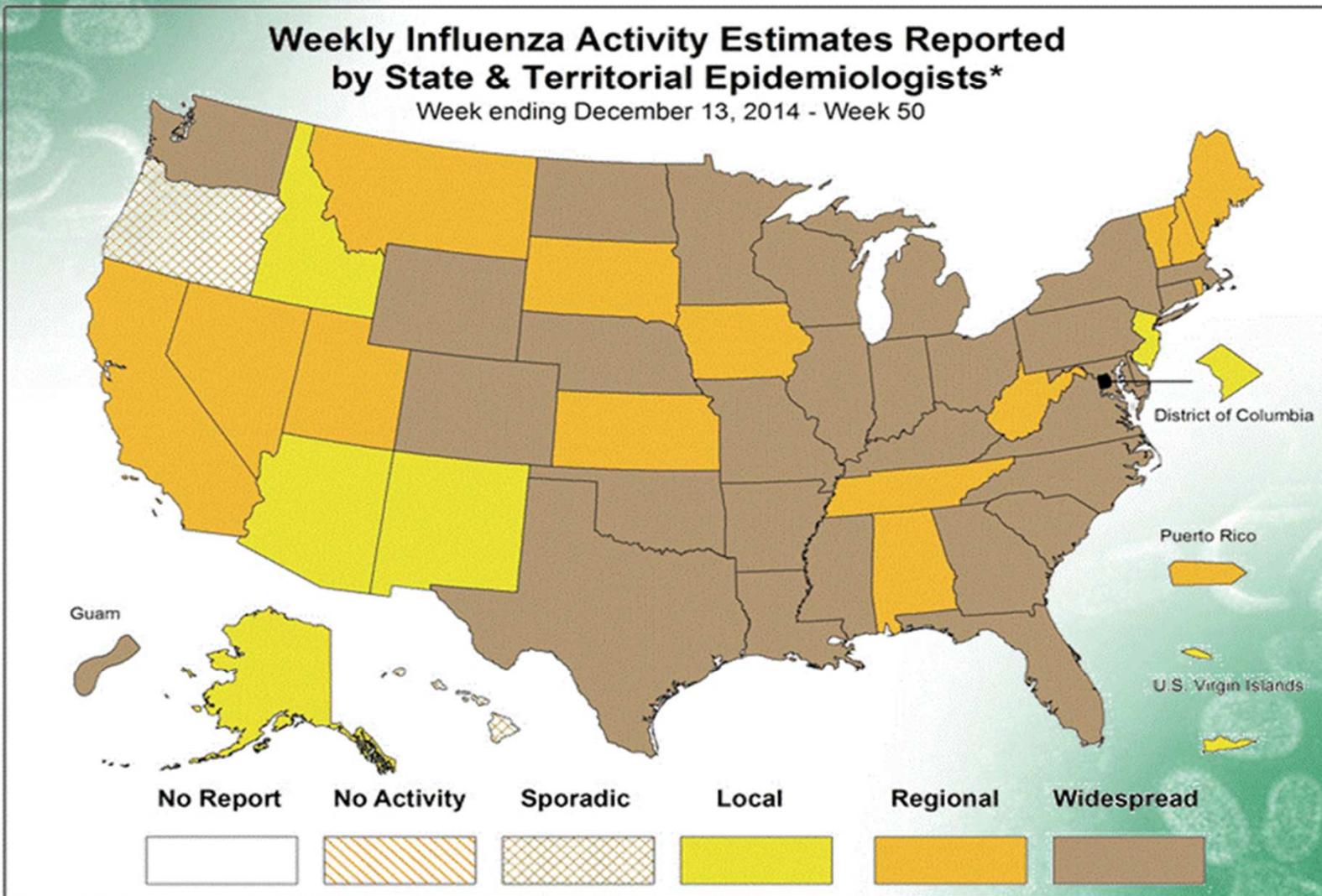
Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 43		Week 44		Week 45		Week 46		Week 47		Week 48		Week 49		Week 50	
	AD	Non-AD														
NRMC	0	2	0	1	5	4	0	3	2	3	3	14	6	36	10	46
SRMC	2	4	2	5	3	8	4	13	5	44	17	117	38	188	54	352
WRMC	1	7	3	12	7	23	2	6	1	11	1	12	6	24	4	54
ERMC	0	0	0	0	0	2	0	0	1	0	1	1	2	4	2	3
PRMC	0	1	1	0	0	2	1	0	0	0	0	1	0	1	1	1
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Locations providing week 50 laboratory data as of 18 December 2014:** Korea, Ft Belvoir (NCR), Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Drum, 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, and West Point.

# FLUVIEW

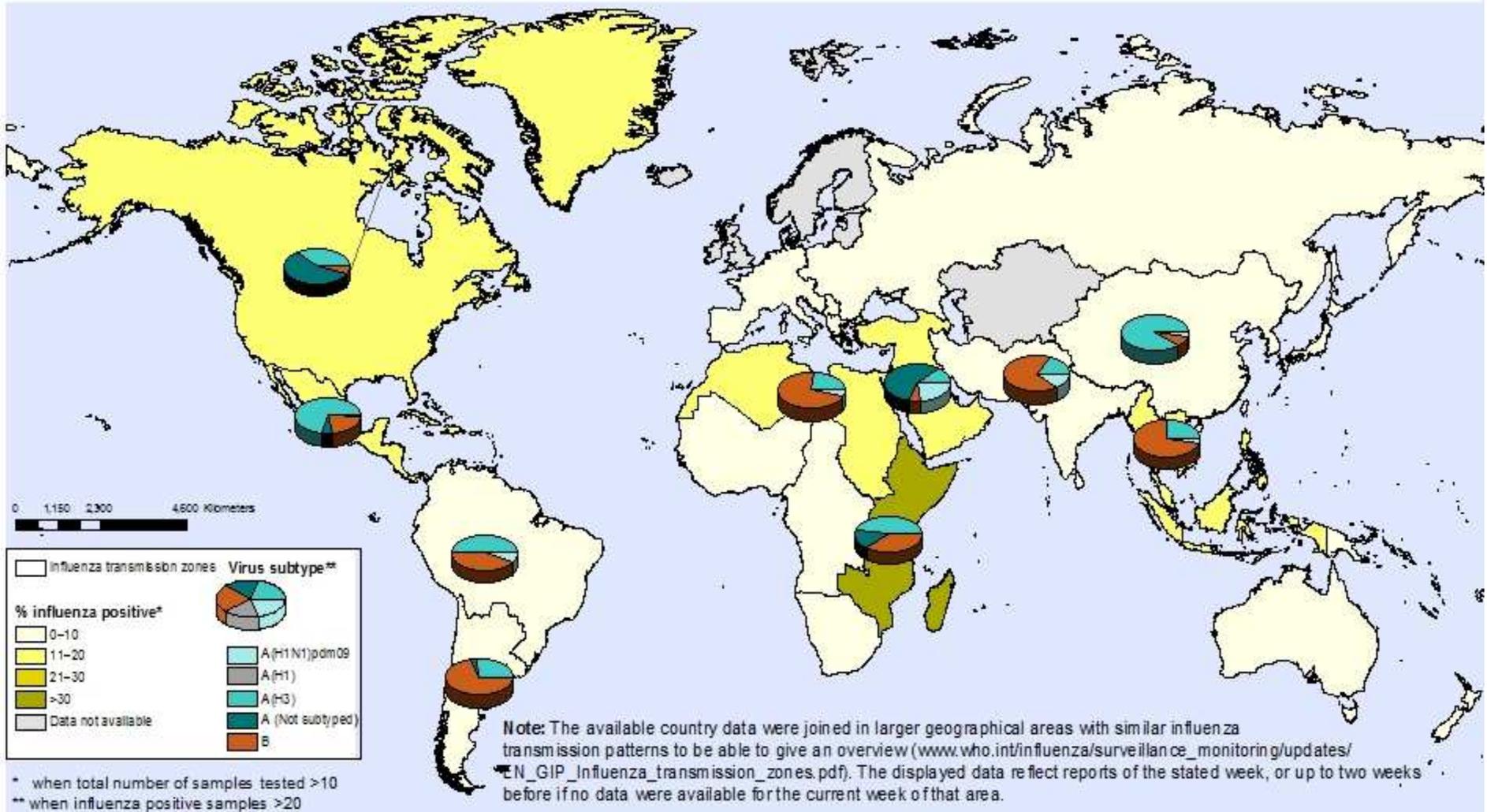
A Weekly Influenza Surveillance Report Prepared by the Influenza Division



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

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

Status as of week 48  
23-29 November 2014



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.

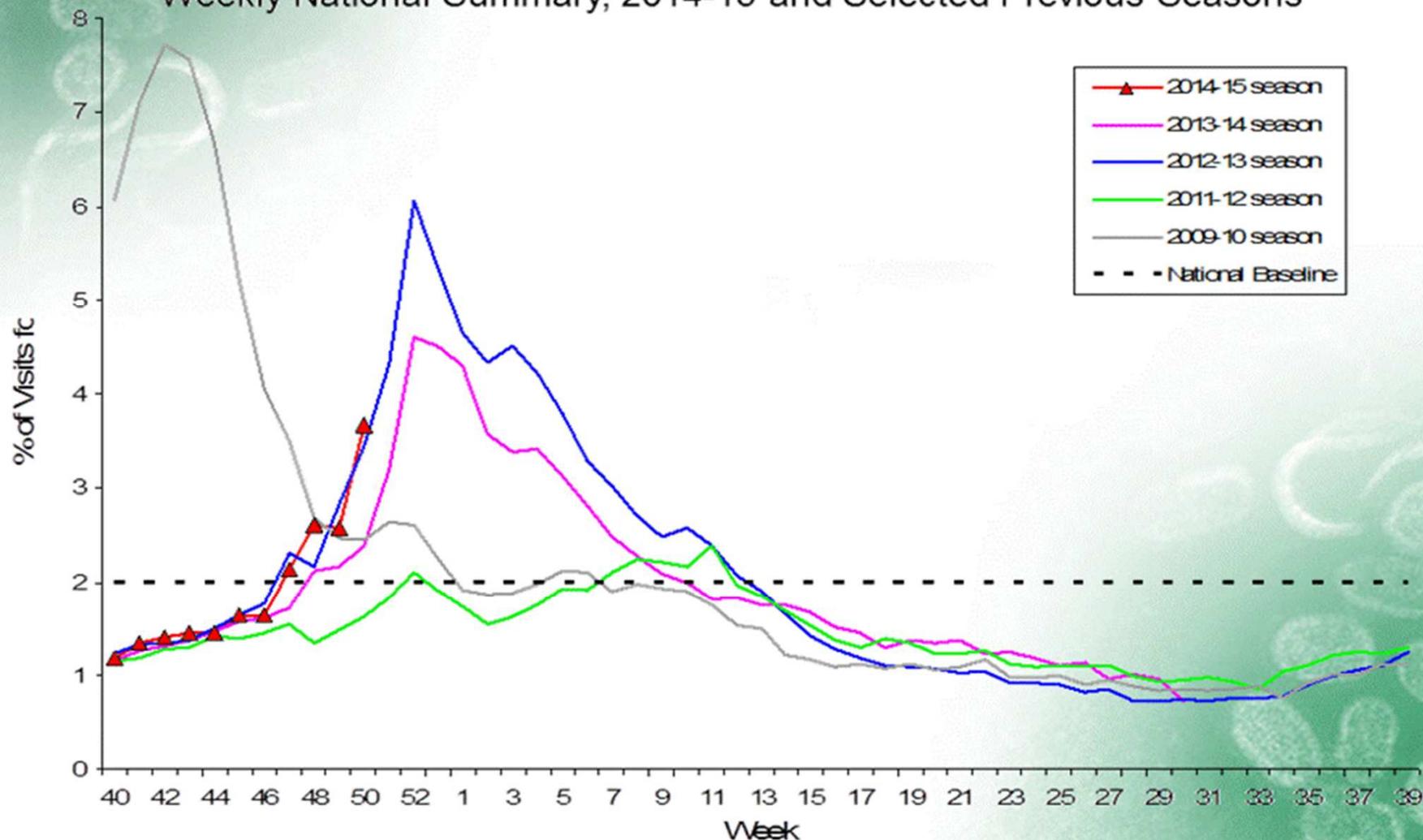
Data Source: WHO/GIP, data in HQ as of 22 August 2014. Data used are from FluNet ([www.who.int/flu-net](http://www.who.int/flu-net)), 08:15 UTC snapshot, from WHO regional offices and/or ministry of health websites.

# FLUVIEW



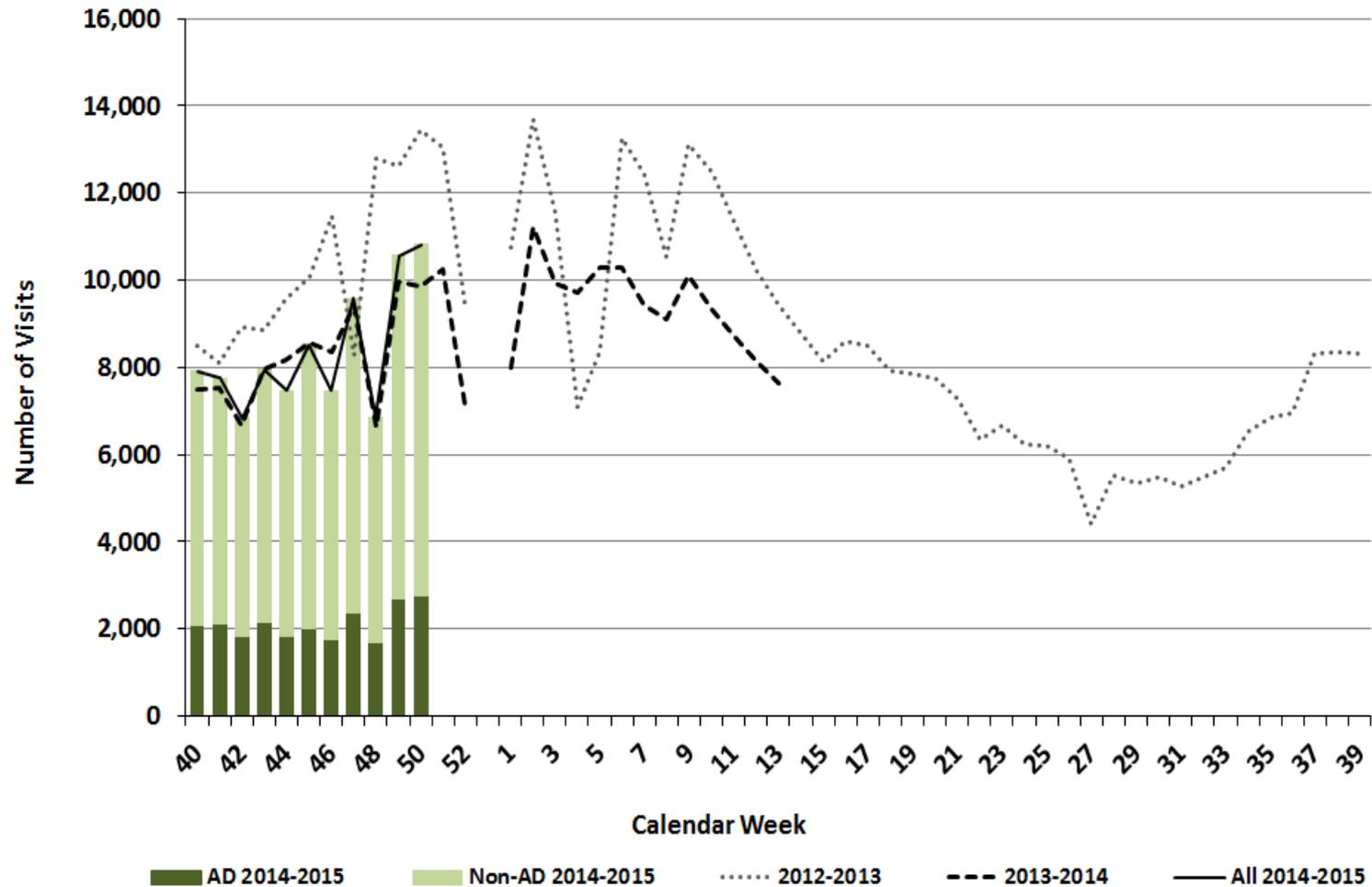
## A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2014-15 and Selected Previous Seasons



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

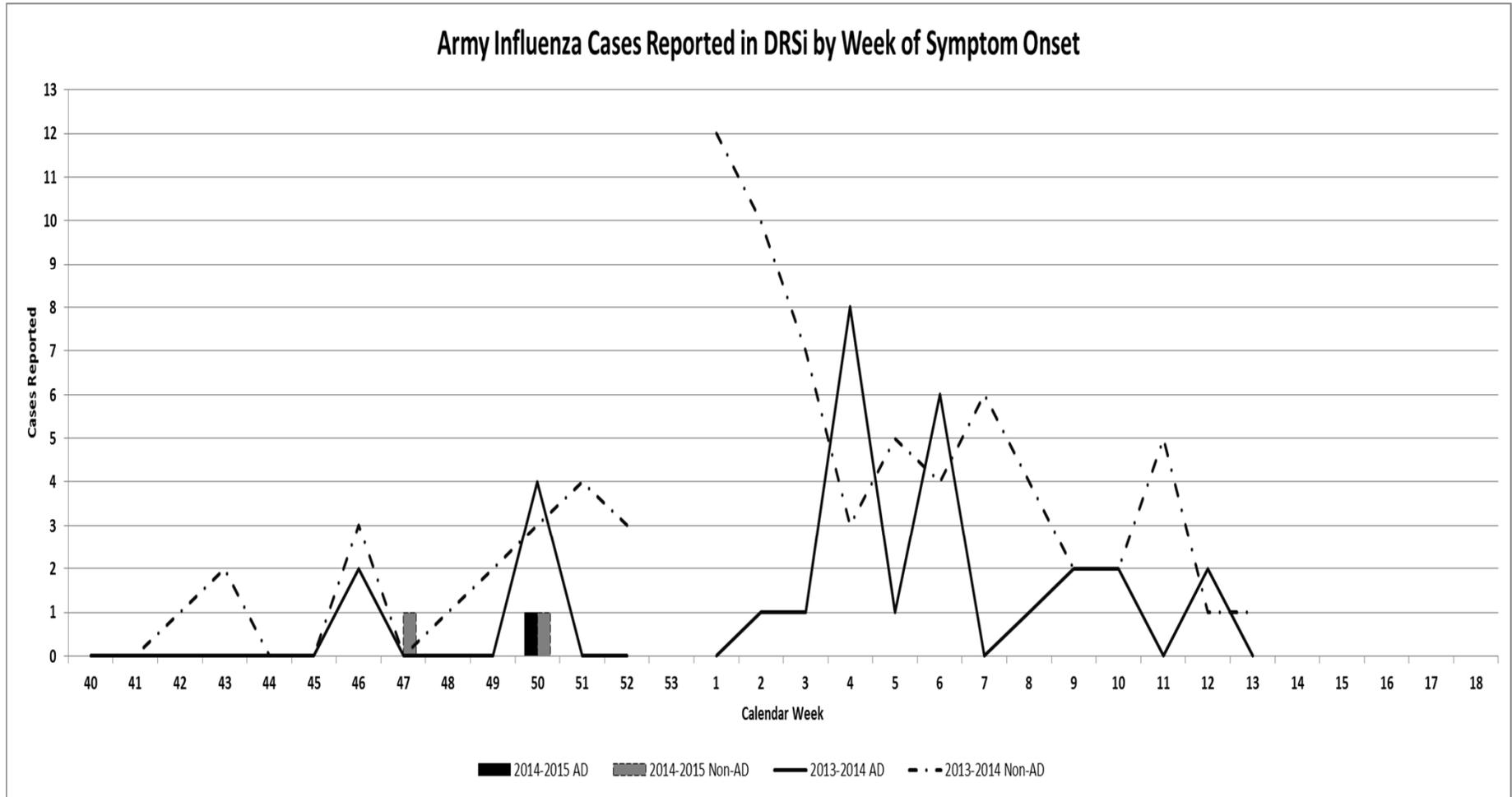
Army MTFs, All Services, 2012-2015



Clinic visits for ILI are obtained from ESSENCE. Data as of 17 December 2014.

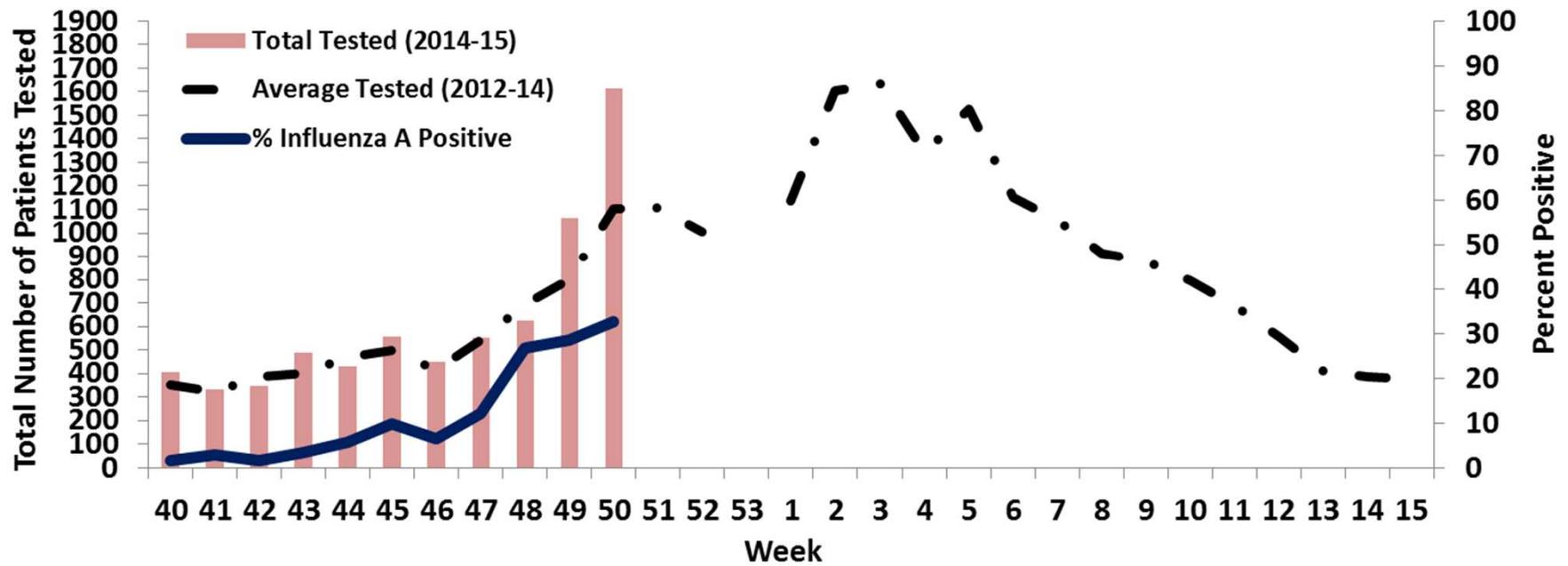
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<i>Negative</i>	<i>537</i>	<i>516</i>	<i>817</i>	<i>1180</i>	<b>6329</b>
<b>Total Results</b>	<b>660</b>	<b>744</b>	<b>1202</b>	<b>1807</b>	<b>8174</b>



**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 17 December 2014.

Proportion of Positive Influenza A Specimens for U.S. Army 2014-2015



## Positive Respiratory Specimen Results from Army MTFs by Virus, 2014-2015 Influenza Season

