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# U.S. Army Influenza Activity Report

Week Ending 7 December 2013 (Week 49)

## 2013-2014 Seasonal Influenza Vaccination Coverage

As of 11 DEC 2013

86%	DOD
94%	Army Active Duty
77%	Army Guard
60%	Army Reserve

**SYNOPSIS:** Overall influenza activity continues to steadily increase in both Army and civilian populations. Currently the Southeast region of the U.S. reports higher influenza-like illness (ILI) than other regions.

- **ILI Activity:** Army incident ILI outpatient visits in week 49 were 27% lower than for the same week last year.
- **Influenza cases:** Two hospitalized influenza cases were reported to USAPHC in week 49. To date, 11 cases have been reported during this influenza season: 2 in AD SMs and 9 in non-AD beneficiaries.
- **Viral specimens:** During week 49, 185 of 825 (22%) laboratory specimens tested were positive for respiratory pathogens. More specimens were positive for Influenza A (59%) than for RSV (30%). The majority of influenza A-positive specimens were submitted by MTFs in SRMC.
- **Army Vaccination Rates:** Army (COMPO 1) compliance in week 49: MEDCOM 98%, FORSCOM 96%, TRADOC 92%, AMC 92%, IMCOM 84%, USASOC 83%.

## Geographic Spread

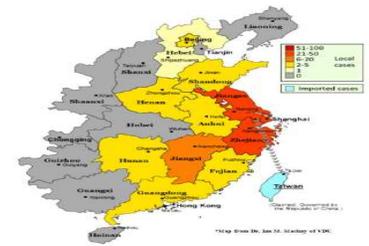


### United States

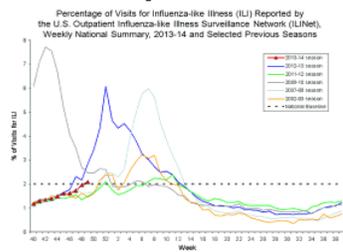
- In week 49, 32 states reported local or regional activity, while 16 states, Puerto Rico, DC, and Guam reported sporadic influenza activity. Two states and the US Virgin Islands reported no influenza activity.

### H7N9 Influenza Update

- As of 5 December, 140 cases of H7N9 with 47 deaths have been identified and all are associated with poultry exposures in China. There are no reported cases among DoD populations; NCMC assesses risk among DoD populations to be low.

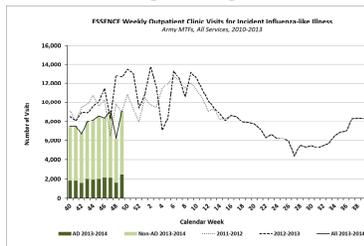


## ILI Activity United States



- For week 49, 2.1% of outpatient visits reported through ILINet were due to ILI, which is just above the national baseline of 2.0%.
- The percentage of ILI outpatient visits ranged from 0.8 to 5.2% across regions.

## ILI Activity Army



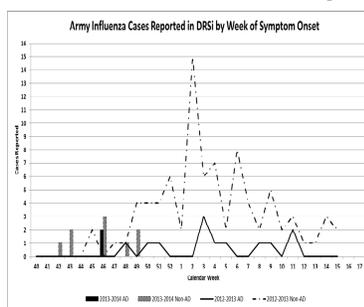
- During week 49, incident ILI activity was 27% lower than at the same time last year and 2% lower than during the 2011-2012 season.
- Active Duty (AD) Service Members (SMs) accounted for 27% of incident ILI clinic visits during week 49; in 2012-2013, AD SMs comprised 26% of ILI clinic visits on average.

## Laboratory Respiratory Specimen Testing

Test Result	Week 46	Week 47	Week 48	Week 49	Season Total
Influenza A	47	54	50	110	375
Influenza B	4	1	3	1	19
Adenovirus	10	7	8	11	70
Enterovirus	1	0	0	0	2
Parainfluenza	14	17	9	7	151
RSV	34	47	57	56	320
Negative	481	608	512	640	4839
<b>Total Results</b>	<b>591</b>	<b>734</b>	<b>639</b>	<b>825</b>	<b>2789</b>

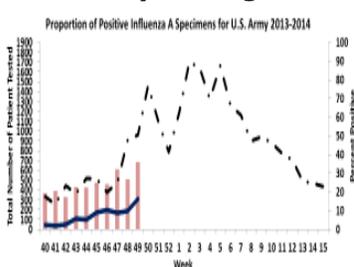
- 22% (185) of respiratory specimens were positive in week 49.
- Influenza A accounted for 59% of positive specimens. RSV accounted for 30% of positive specimens, adenovirus for 6%, and parainfluenza for 4%.
- Influenza B accounted for 1% of positive specimens.

## DRSi Influenza Case Reporting



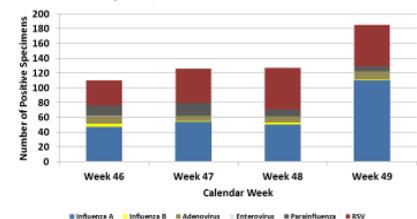
- In week 49, there were two reports of influenza-associated hospitalization in non-AD beneficiaries.
- Eleven hospitalized influenza cases have been reported since the beginning of this influenza season.
- At the same time last influenza season, nine hospitalized influenza cases had been reported.

## Laboratory Testing for Influenza A



- The proportion of positive influenza A tests in week 49 (16.1%) increased from week 48 (10%).
- 98 of the 110 (89%) positive influenza A specimens in week 49 were from non-AD personnel.
- 84 (76%) of the 110 positive specimens were from SRMC. NRMC reported 14 (13%) positive influenza A specimens, and WRMC reported 11 (10%). PRMC reported 1 case (1%).
- ERMC and CENTCOM did not report any positive influenza A specimens.

## Positive Respiratory Specimen Results from Army MTFs by Virus, 2013-2014 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

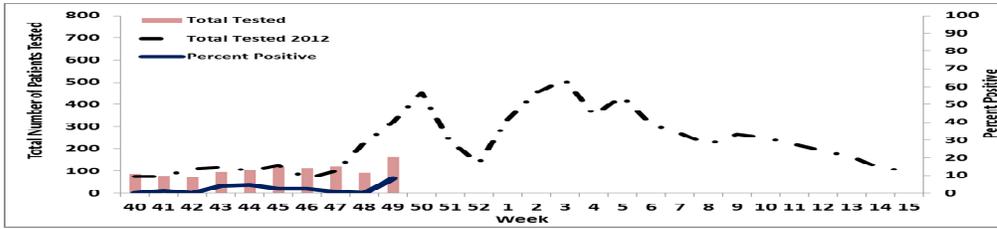
## Questions?

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

# U.S. Army Influenza Activity Report

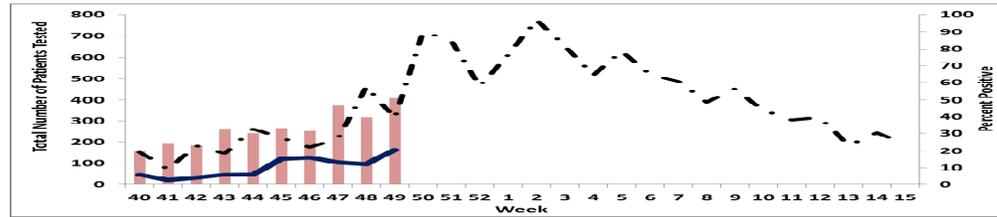
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2013-14 as Compared to 2012-2013

## Northern Regional Medical Command (NRMC)



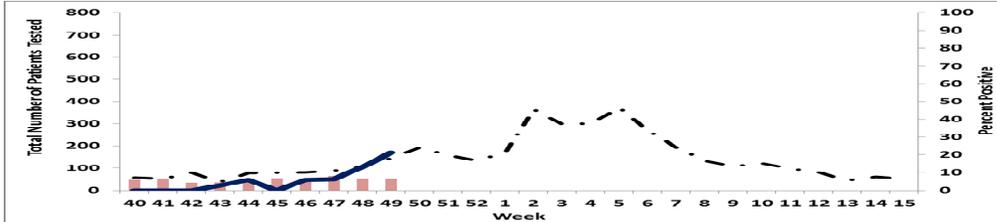
Week 49			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	5	12
18-29	0	1	4
30-39	3	1	4
40-49	0	2	5
50-59	0	1	1
60+	0	1	5
<b>Total</b>	<b>3</b>	<b>11</b>	<b>31</b>

## Southern Regional Medical Command (SRMC)



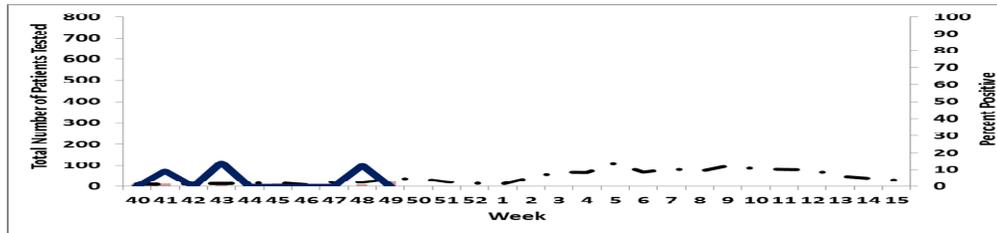
Week 49			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	33	152
18-29	3	14	48
30-39	4	6	33
40-49	1	7	21
50-59	0	7	21
60+	0	9	26
<b>Total</b>	<b>8</b>	<b>76</b>	<b>301</b>

## Western Regional Medical Command (WRMC)



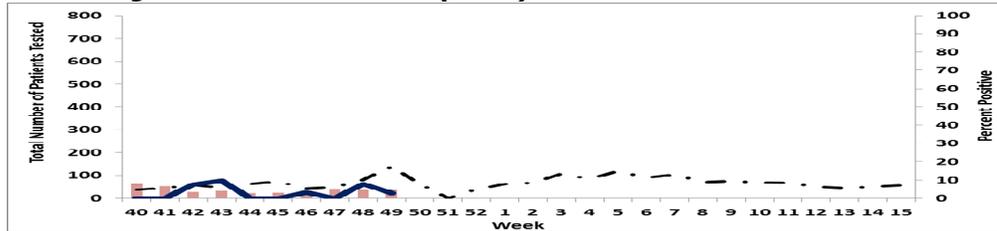
Week 49			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	5	14
18-29	1	0	6
30-39	0	1	3
40-49	0	1	1
50-59	0	2	2
60+	0	1	3
<b>Total</b>	<b>1</b>	<b>10</b>	<b>29</b>

## Europe Regional Medical Command (ERMC)



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

## Pacific Regional Medical Command (PRMC)



Week 49			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	5
18-29	0	0	2
30-39	0	0	1
40-49	0	0	0
50-59	0	0	0
60+	0	0	2
<b>Total</b>	<b>0</b>	<b>1</b>	<b>10</b>

Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 42		Week 43		Week 44		Week 45		Week 46		Week 47		Week 48		Week 49	
	AD	Non-AD														
NRMC	0	0	1	3	1	4	1	2	2	1	0	1	0	0	3	11
SRMC	1	6	3	12	2	12	8	32	5	35	3	46	2	36	8	76
WRMC	0	0	0	1	1	2	0	0	1	2	0	4	1	6	1	10
ERMC	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
PRMC	0	2	0	3	0	0	0	0	0	1	0	0	0	3	0	1
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

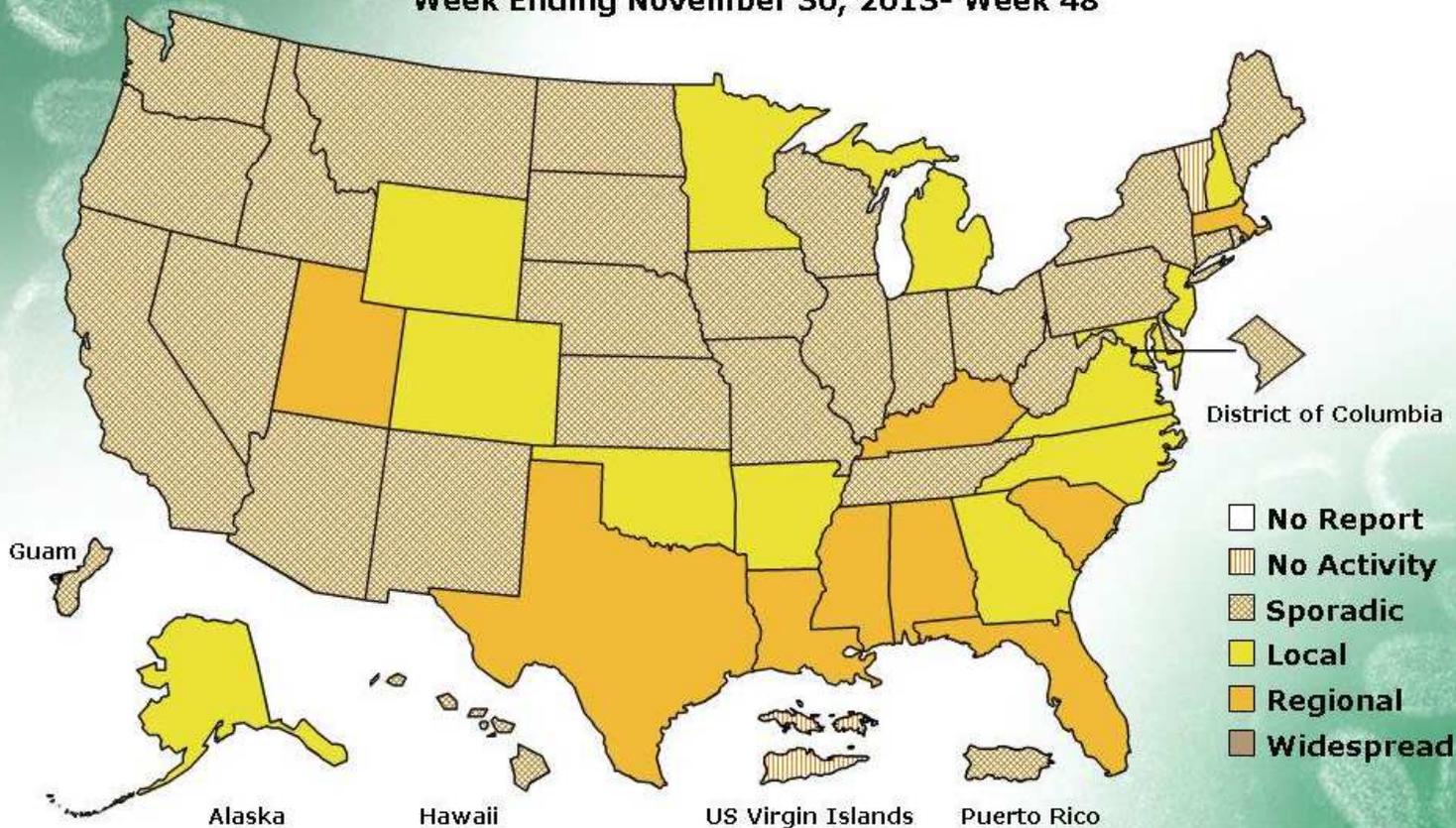
**Locations providing week 49 laboratory data as of 12 December 2013:** Korea, Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Irwin, Ft Jackson, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, Redstone Arsenal, Tripler, and West Point.

# FLUVIEW

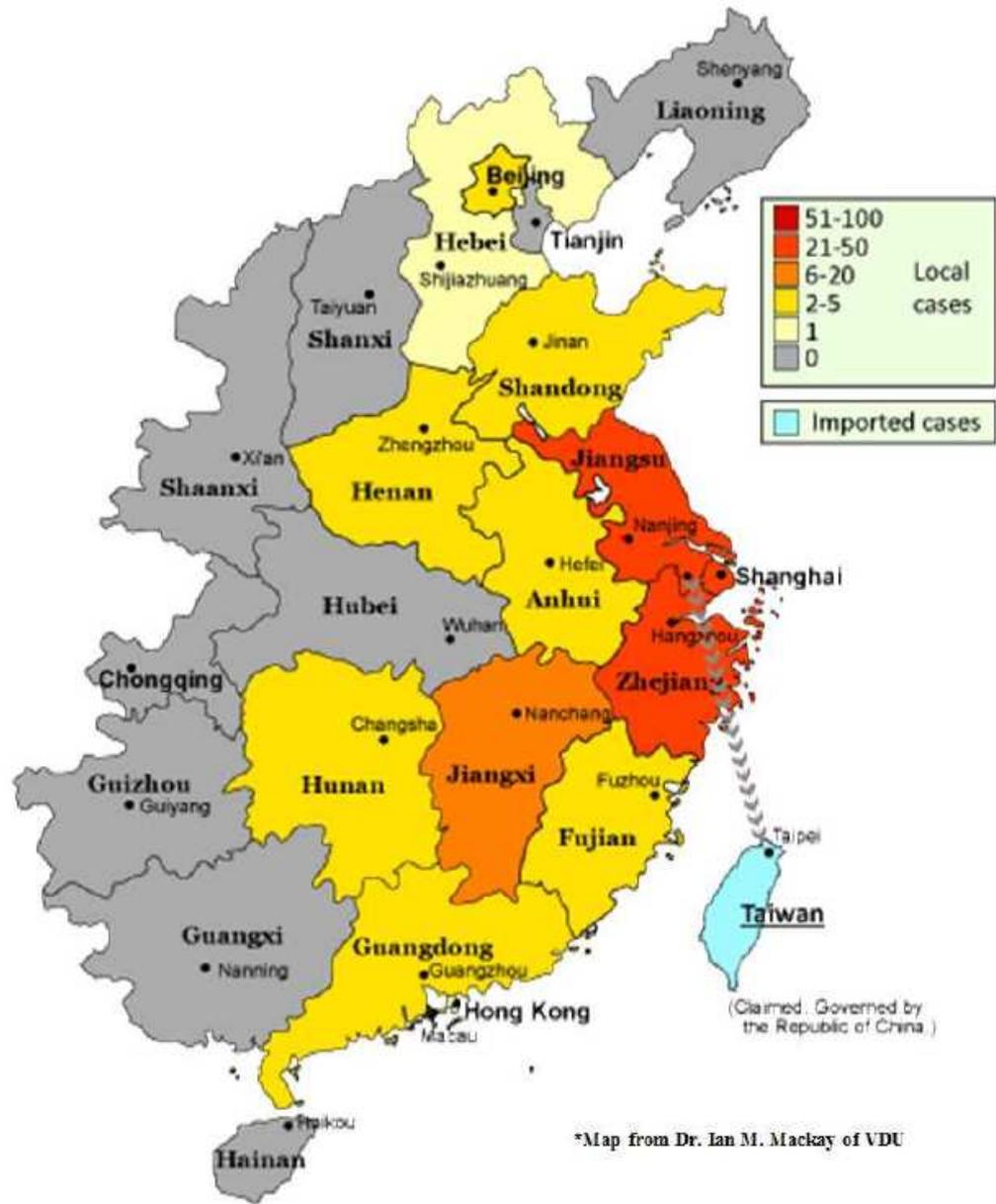


**A Weekly Influenza Surveillance Report Prepared by the Influenza Division**  
**Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\***

**Week Ending November 30, 2013- Week 48**

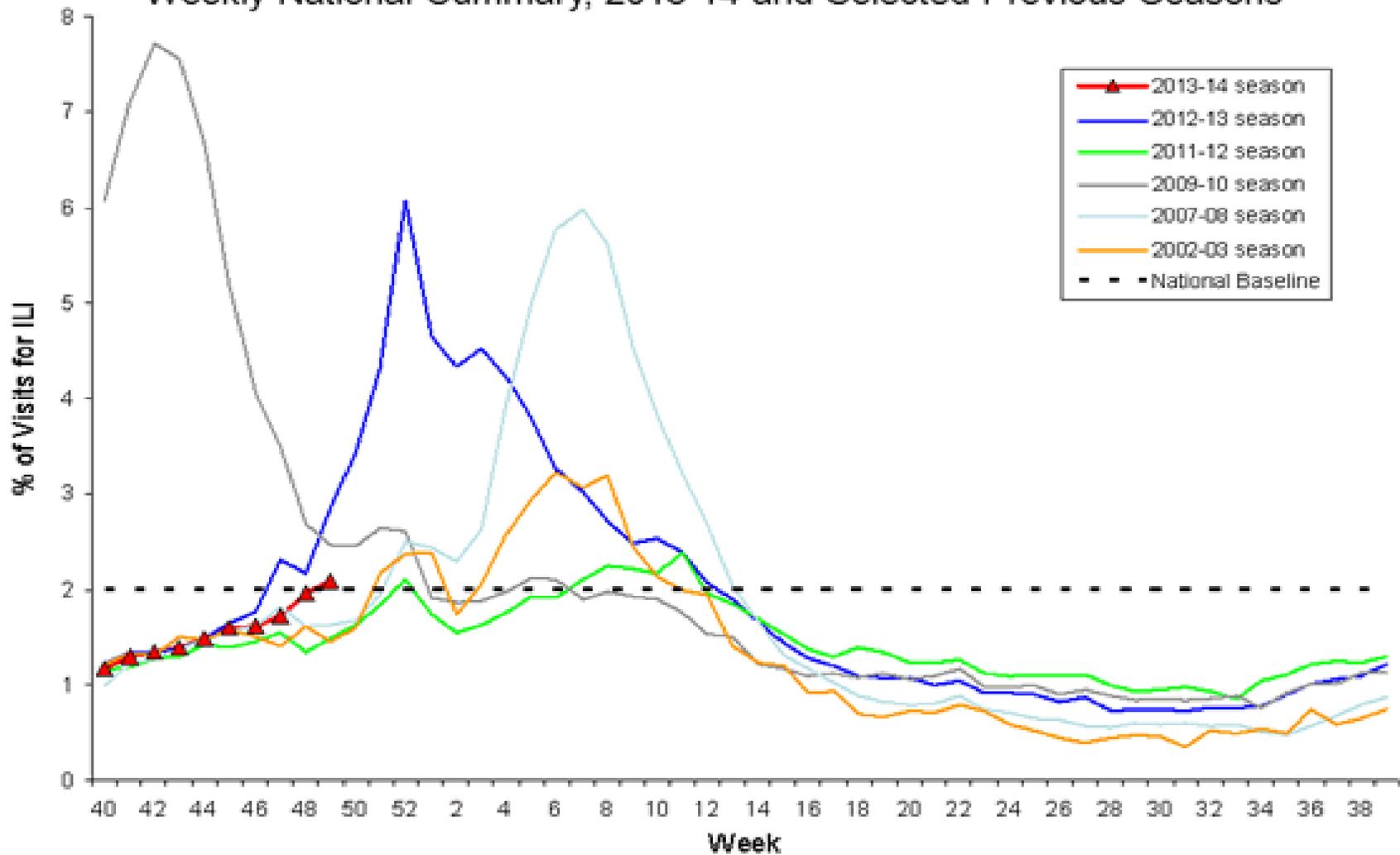


\*This map indicates geographic spread and does not measure the severity of influenza activity.



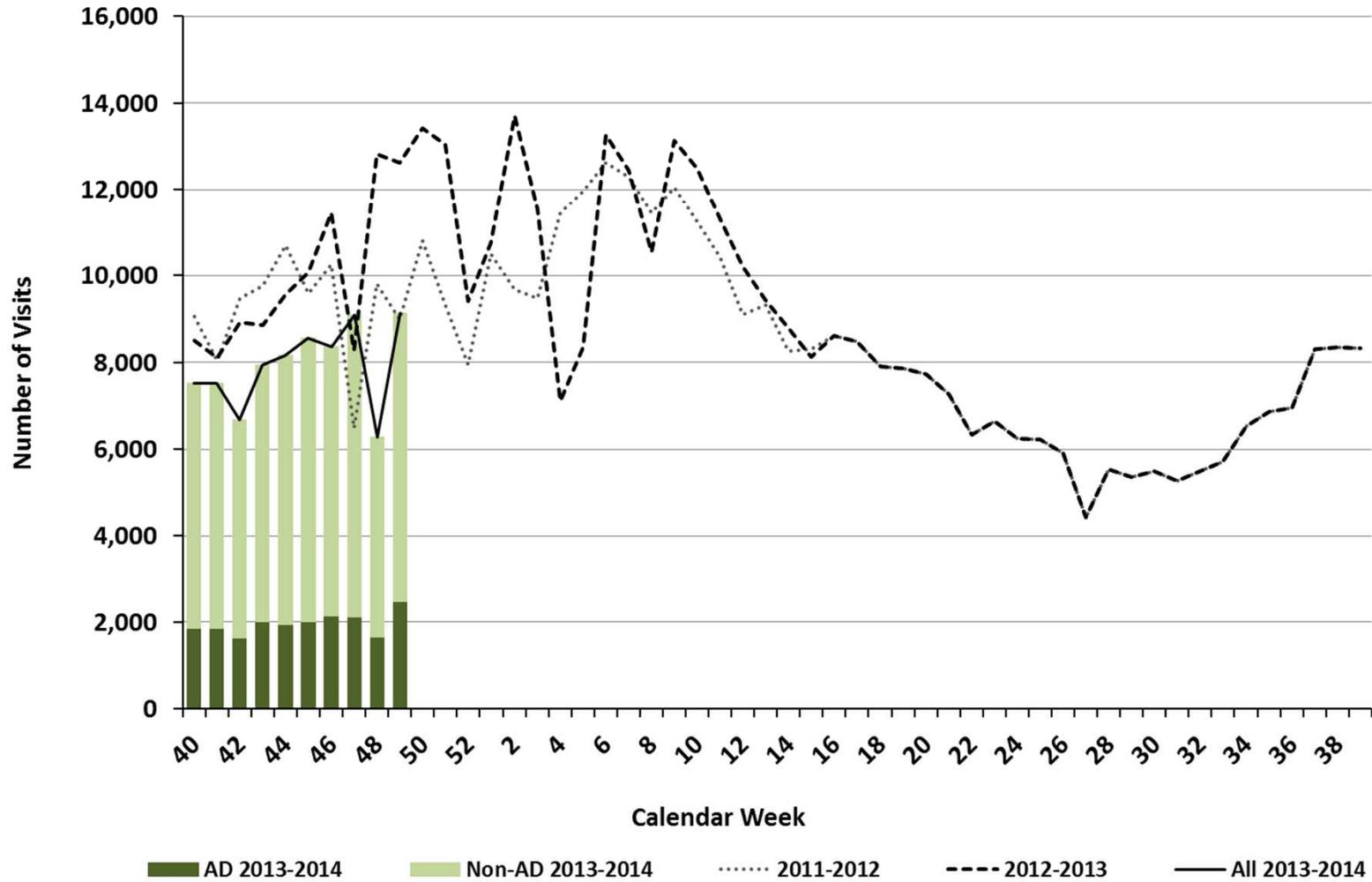
\*Map from Dr. Ian M. Mackay of VDU

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2013-14 and Selected Previous Seasons



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

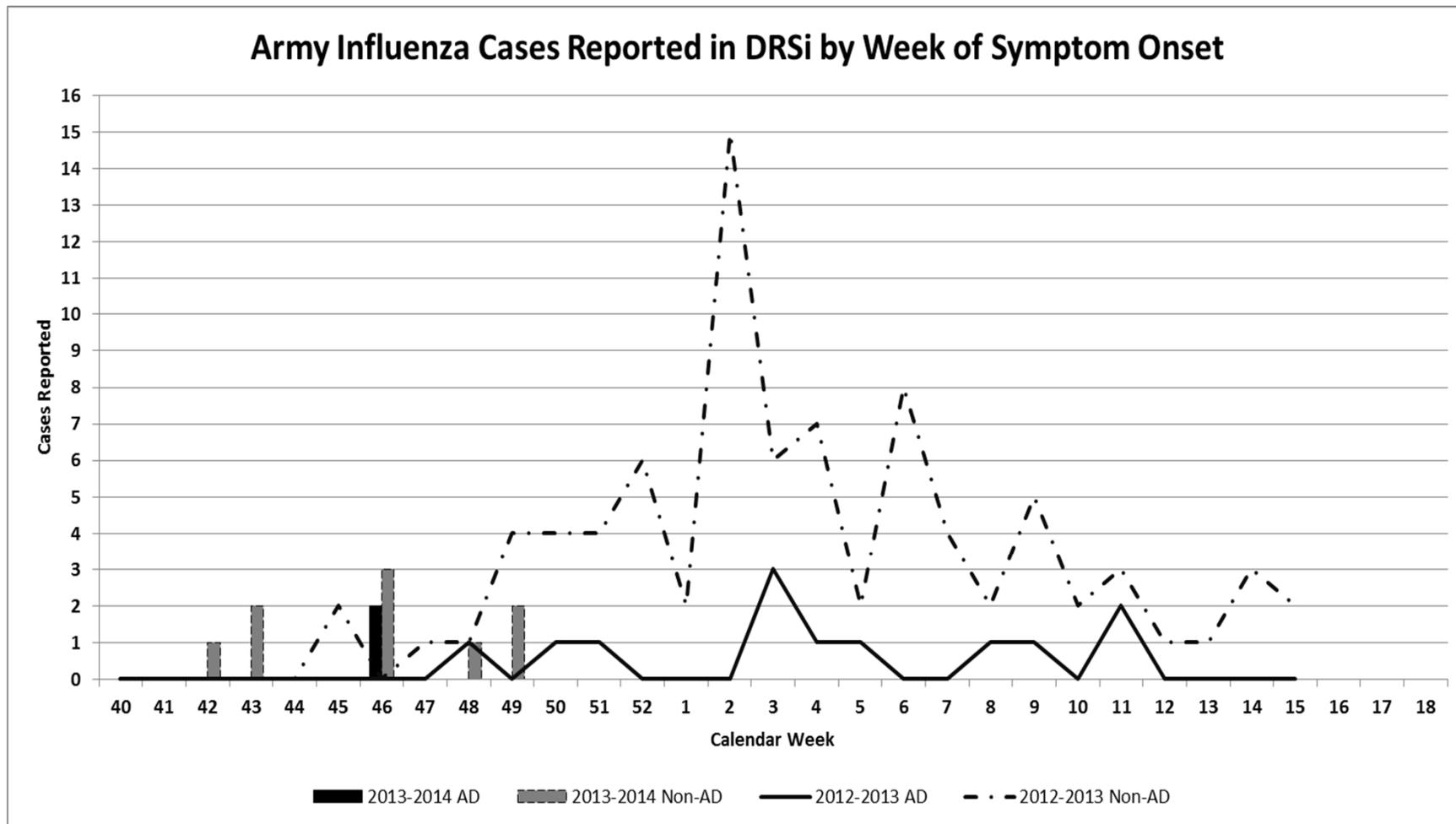
Army MTFs, All Services, 2010-2013



Clinic visits for ILI are obtained from ESSENCE. Data as of 12 December 2013.

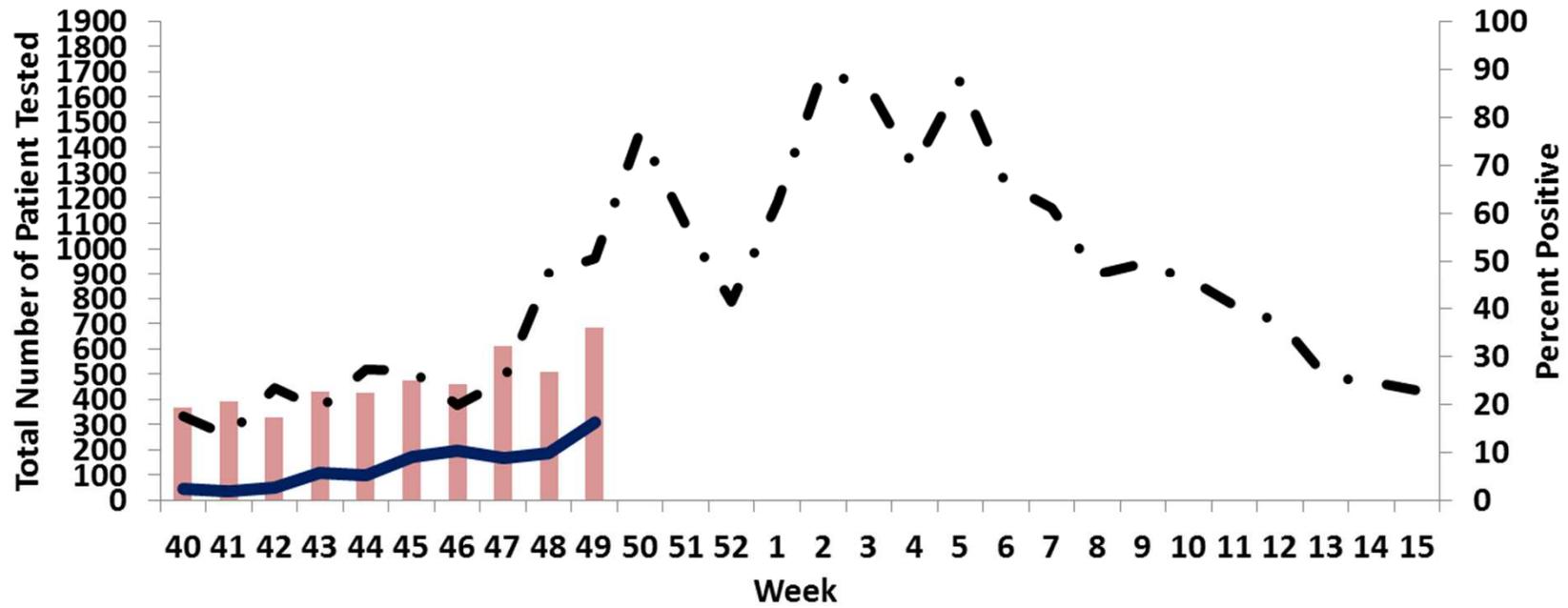
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<i>Negative</i>	<i>481</i>	<i>608</i>	<i>512</i>	<i>640</i>	<b>4839</b>
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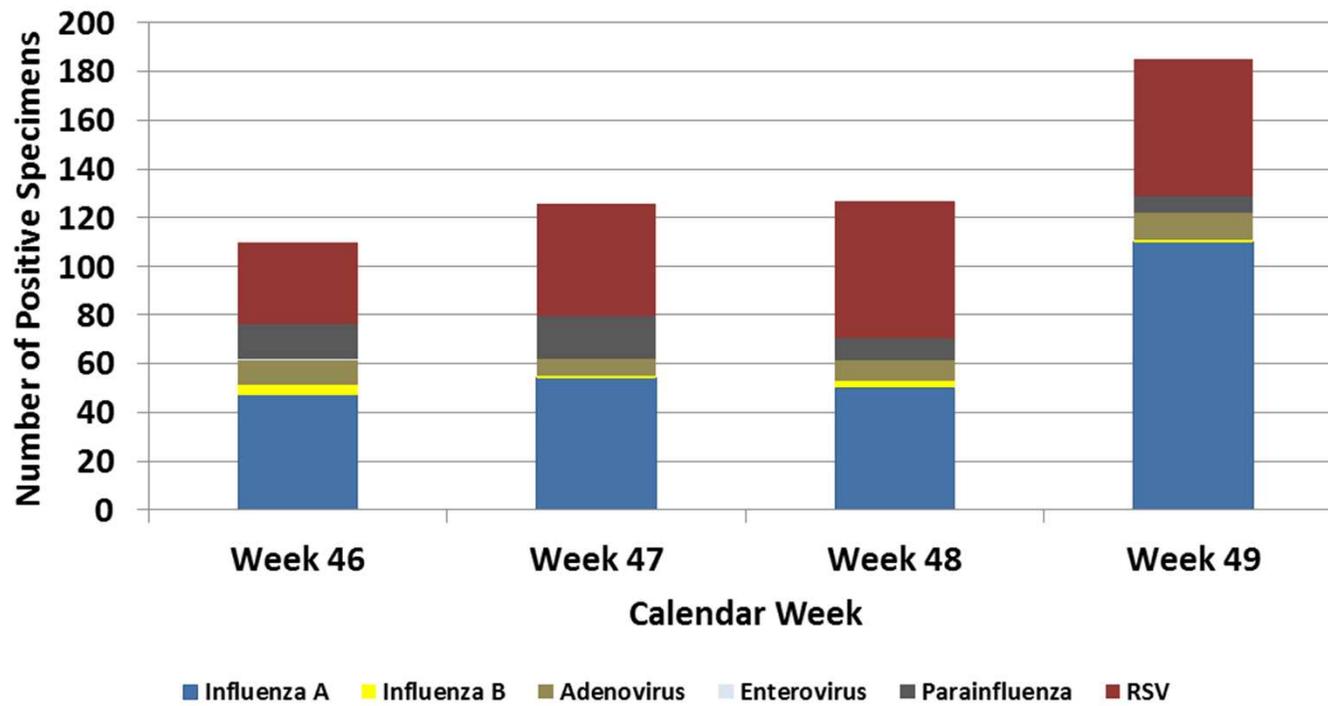


**Note:** Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information  
Data as of 12 December 2013.

Proportion of Positive Influenza A Specimens for U.S. Army 2013-2014



## Positive Respiratory Specimen Results from Army MTFs by Virus, 2013-2014 Influenza Season



Number of Positive Influenza A Specimens by Duty Status and Region

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ERMC	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
PRMC	0	2	0	3	0	0	0	0	0	1	0	0	0	3	0	1
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0