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# U.S. Army Influenza Activity Report

Week Ending 01 December 2012 (Week 48)

2012-2013 Seasonal Influenza Vaccination Coverage As of 5 DEC 2012	
91%	DOD
93%	Army Active Duty
84%	Army Guard
70%	Army Reserve

**SYNOPSIS:** Every state is now reporting influenza activity. Although the season is starting early, there is insufficient data to draw conclusions about severity. Circulating viruses appear well-matched to vaccine.

- **ILI Activity:** Army incident ILI outpatient visits in week 48 were 21% higher than the same week last year.
- **Influenza cases:** Two hospitalized influenza cases were reported in DRSi in week 48, and a total of 13 hospitalized cases have been reported during this influenza season.
- **Acute Respiratory Disease at BCT sites:** ARDS rates remain lower at all Army BCT sites compared to the same period last year.
- **Viral specimens:** During week 48, 212 of 856 (25%) clinical specimens tested were positive for respiratory pathogens. Influenza A and RSV are the main viruses currently circulating.

## Geographic Spread

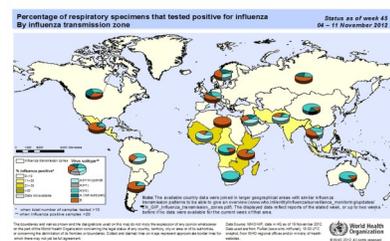


## United States

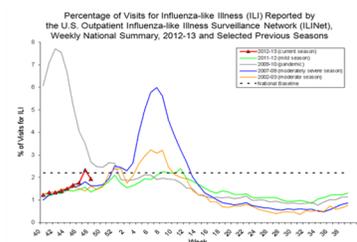
- During week 48, widespread activity was noted in Alabama, Alaska, Mississippi, New York, Ohio, North Carolina, Rhode Island, and South Carolina; 30 states reported regional or local activity.
- 12 states, Washington DC, and Guam report sporadic activity.

## Global

- Countries in the Northern Hemisphere report increasing influenza virus activity; however, none have crossed their seasonal threshold.

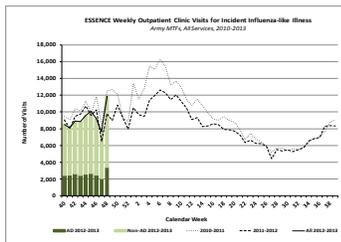


## ILI Activity United States



- For week 48, 1.9% of outpatient visits reported through ILINet were due to ILI, which is below the national baseline
- The percentage of ILI outpatient visits ranged from 0.9 to 3.9% across regions.
- 3 out of 10 regions reported percentages above the national baseline.

## ILI Activity Army



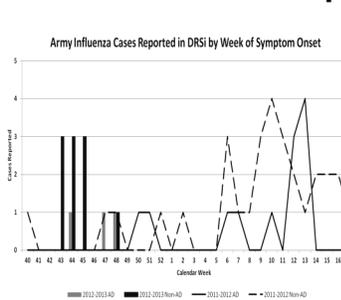
- During week 48, incident ILI activity was 21% higher than at the same time last year, but 5% lower than during the 2010-2011 season.
- Active Duty (AD) Service Members (SMs) accounted for 28% of incident ILI clinic visits during week 48; in 2011-2012, AD SMs comprised 33% of ILI clinic visits on average.

## Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2012-13					
Test Result	Week 45	Week 46	Week 47	Week 48	Total
Influenza A	54	48	77	110	289
Influenza B	5	3	7	19	34
Adenovirus	7	6	2	7	22
Enterovirus	0	1	0	3	4
Parainfluenza	19	13	12	24	68
RSV	32	45	33	49	159
Negative	445	418	449	644	1956
<b>Total Results</b>	<b>562</b>	<b>534</b>	<b>580</b>	<b>856</b>	<b>1676</b>

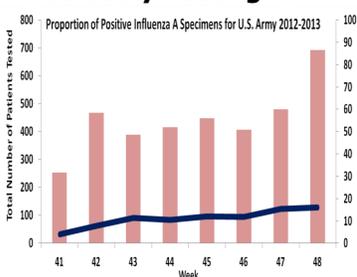
- 25% of respiratory specimens were positive during week 48.
- Influenza A accounted for 52% of positive specimens.
- RSV accounted for 23% of positive specimens and parainfluenza accounted for 11%.
- 1 non-AD specimen from CENT-COM was influenza A positive, but is not included in this report.

## DRSi Influenza Case Reporting



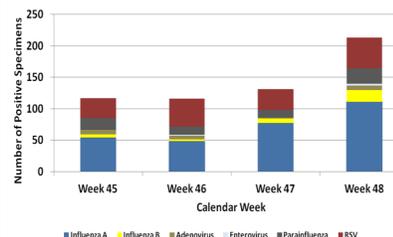
- Two cases of hospitalized influenza were reported in DRSi during week 48: one unvaccinated AD SM and one dependent child.
- This season, 13 influenza admissions have been reported. This reflects corrected DRSi submissions; previous numbers had included erroneous reports from ER visits that did not result in patient admission.

## Laboratory Testing for Influenza A



- The proportion of positive influenza A tests remained relatively stable from week 47 (15.4%) to week 48 (16%).
- 87 of the 110 (79%) positive influenza A specimens were from non-AD personnel.
- 52 (47%) of the 110 positive influenza A specimens were from SRMC, 38 (35%) were from NRMCC, and 14 (13%) were from WRMC.
- PRMC and ERMC each had three positive influenza A specimens (3%).

Positive Respiratory Specimen Results from Army MTFs by Virus, 2012-2013 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; ARD-Acute Respiratory Disease; NHRC- Naval Health Research Center; ADV-Adenovirus; RSV-Respiratory Syncytial Virus; DEP- Disease Epidemiology Program; SM-Service Member

## Questions?

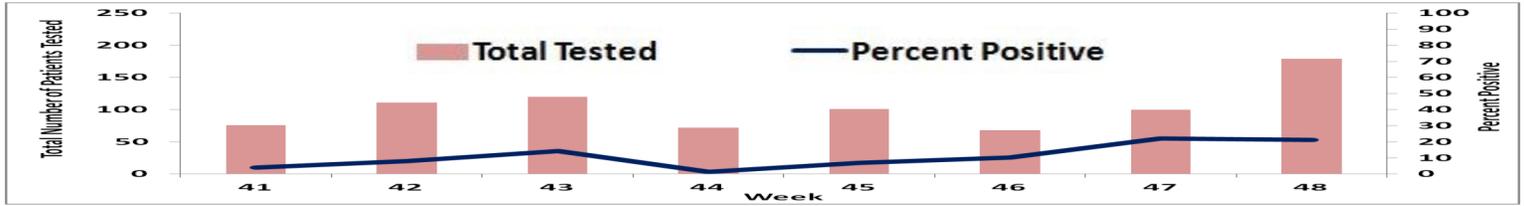
Email [USAPHC-DEP](mailto:USAPHC-DEP)  
410-417-3774



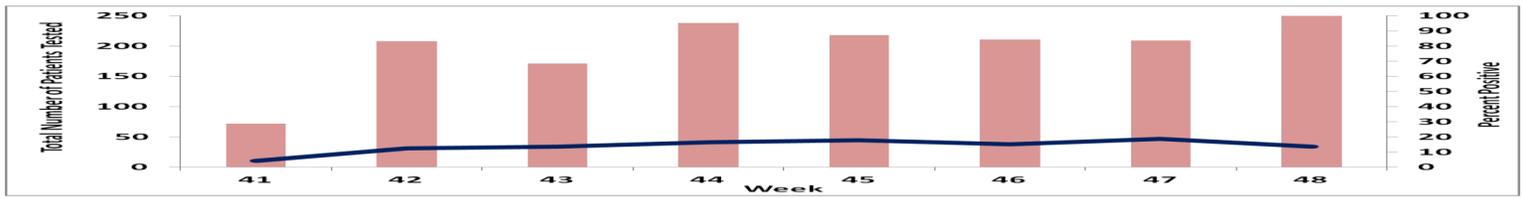
# U.S. Army Influenza Activity Report

Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2012-13

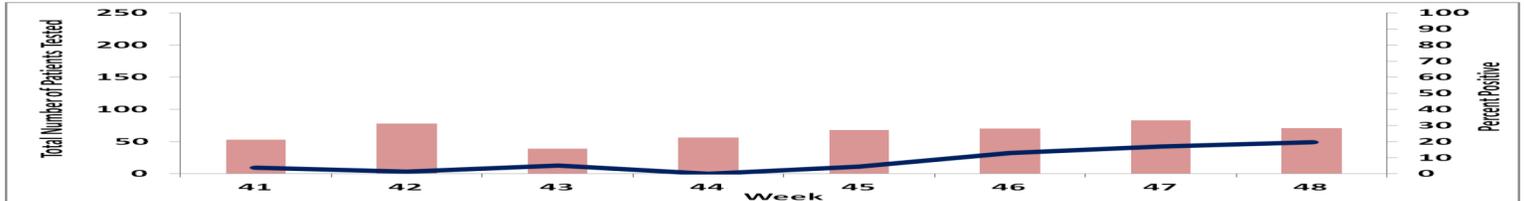
## Northern Regional Medical Command (NRMC)



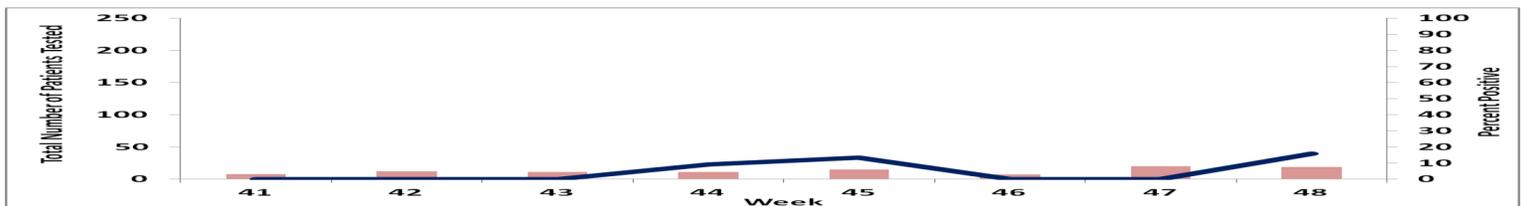
## Southern Regional Medical Command (SRMC)



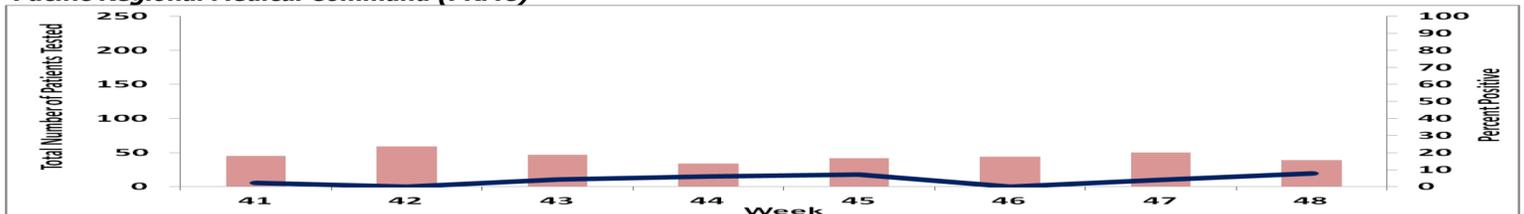
## Western Regional Medical Command (WRMC)



## European Regional Medical Command (ERMC)



## Pacific Regional Medical Command (PRMC)



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														
NRMC	0	3	2	7	2	15	1	0	0	7	0	7	5	17	8	30
SRMC	1	2	5	21	4	19	5	34	10	29	6	26	6	33	10	42
WRMC	0	2	1	0	1	1	0	0	1	2	0	9	0	14	3	11
ERMC	0	0	0	0	0	0	1	0	1	1	0	0	0	0	2	1
PRMC	0	1	0	0	0	2	0	2	0	3	0	0	2	0	0	3

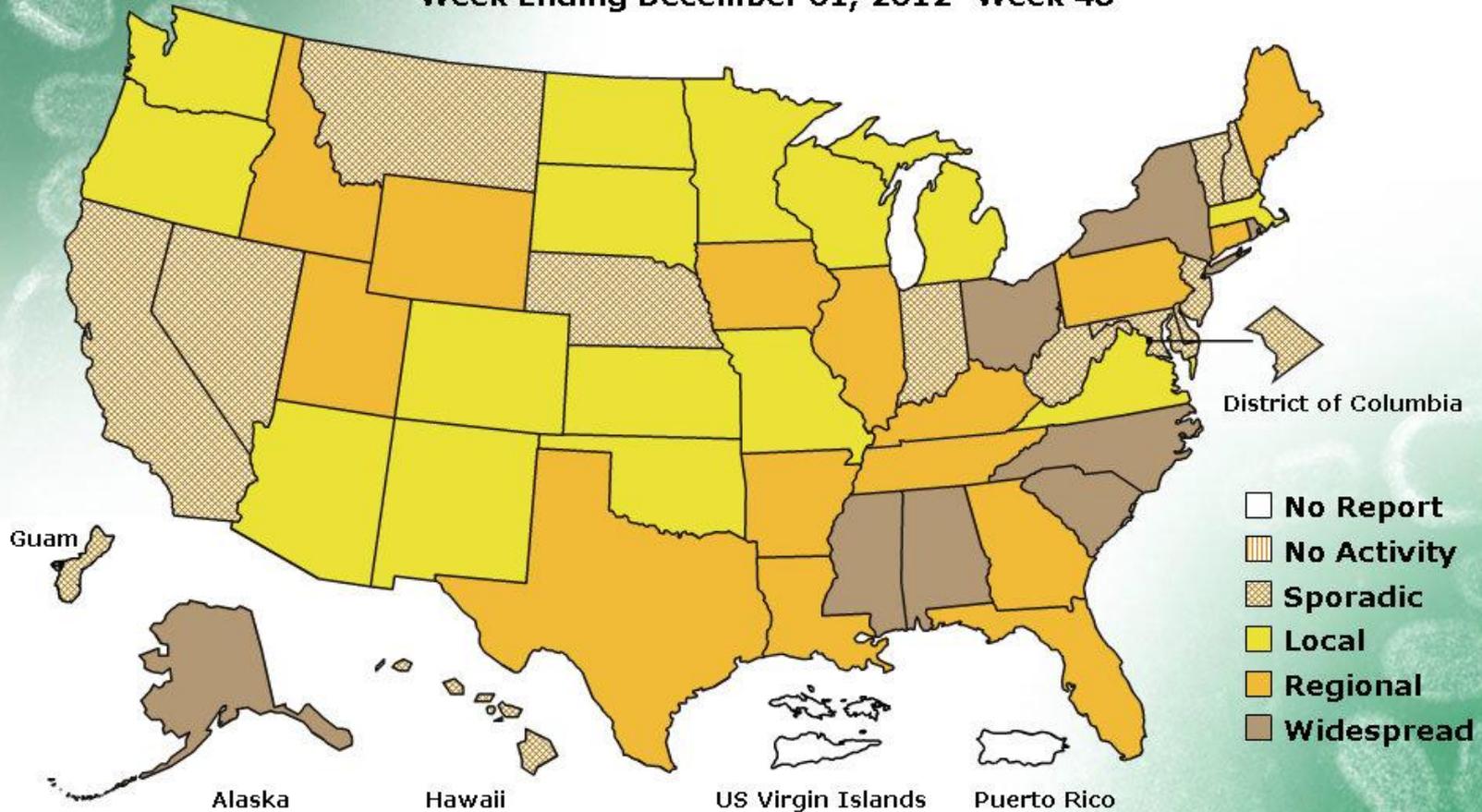
**Locations providing week 48 laboratory data as of 4 December 2012:** Korea, Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Jackson, Ft Knox, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, Redstone Arsenal, and Tripler.

# FLUVIEW



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

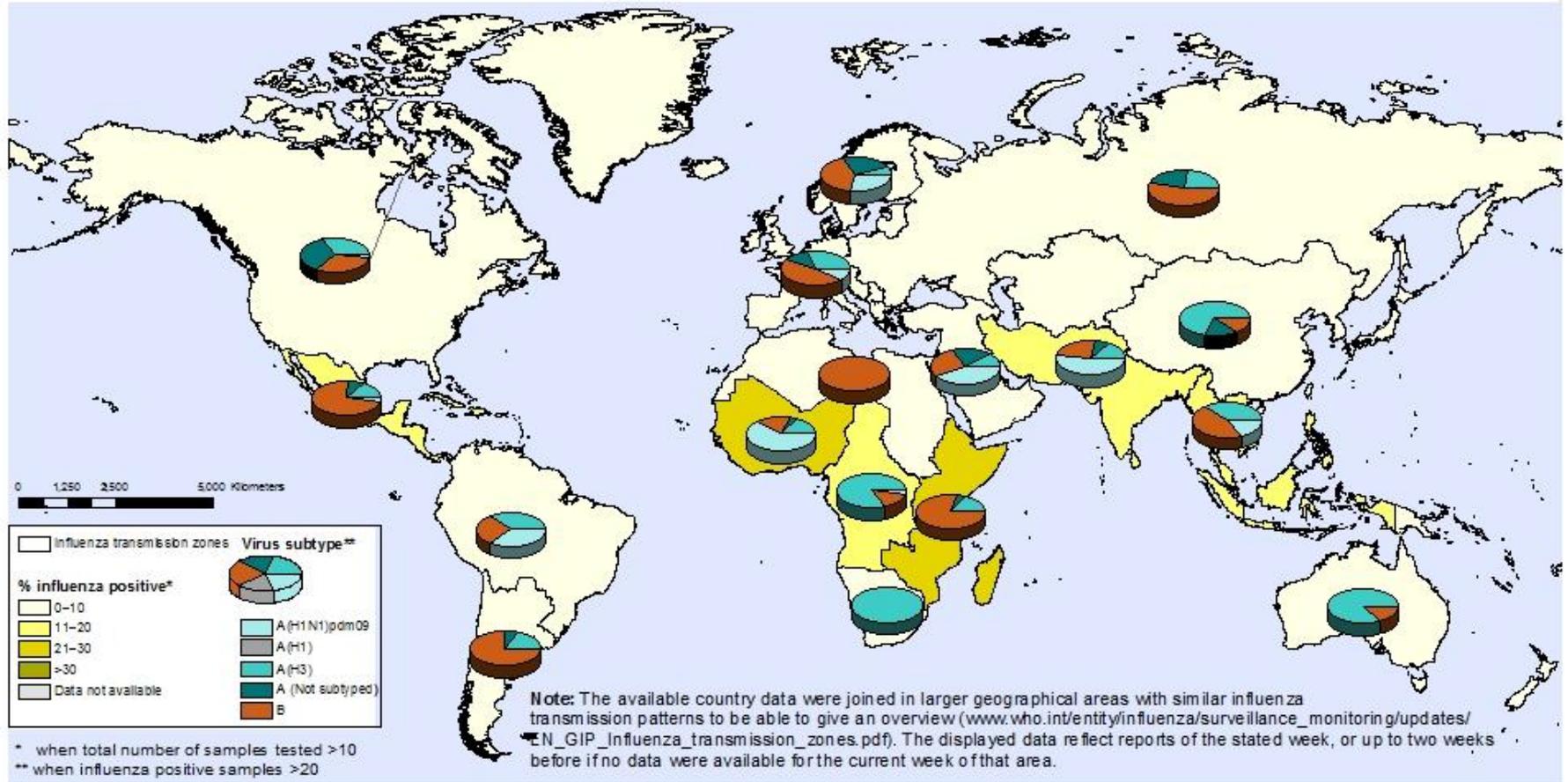
**Week Ending December 01, 2012- Week 48**



\*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 week 45  
04 – 11 November 2012



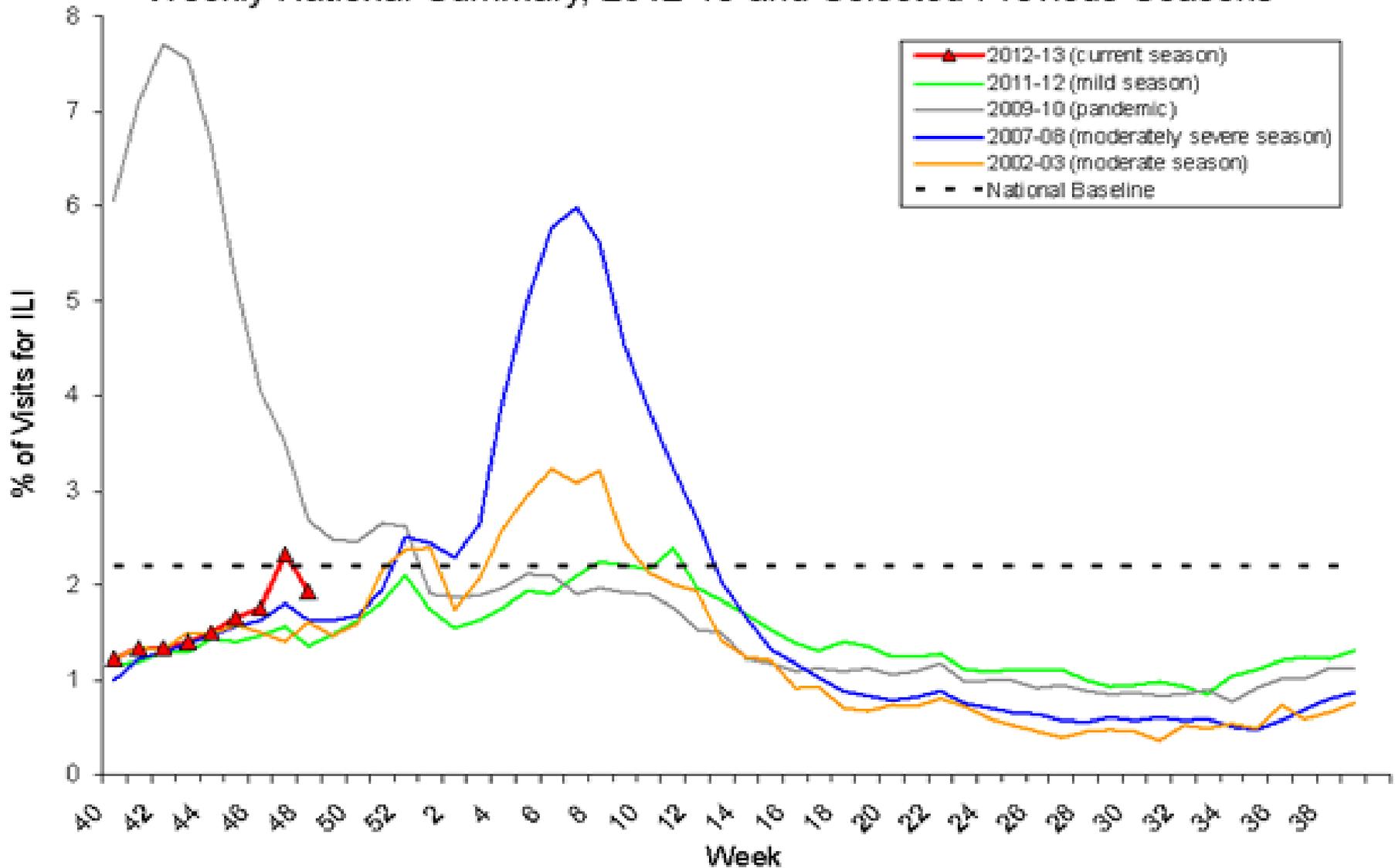
The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers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

Data Source: WHO/HIP, data in HQ as of 19 November 2012. Data used are from FluNet ([www.who.int/flu-net](http://www.who.int/flu-net)), 13:00 UTC snapshot, from WHO regional offices and/or ministry of health websites.



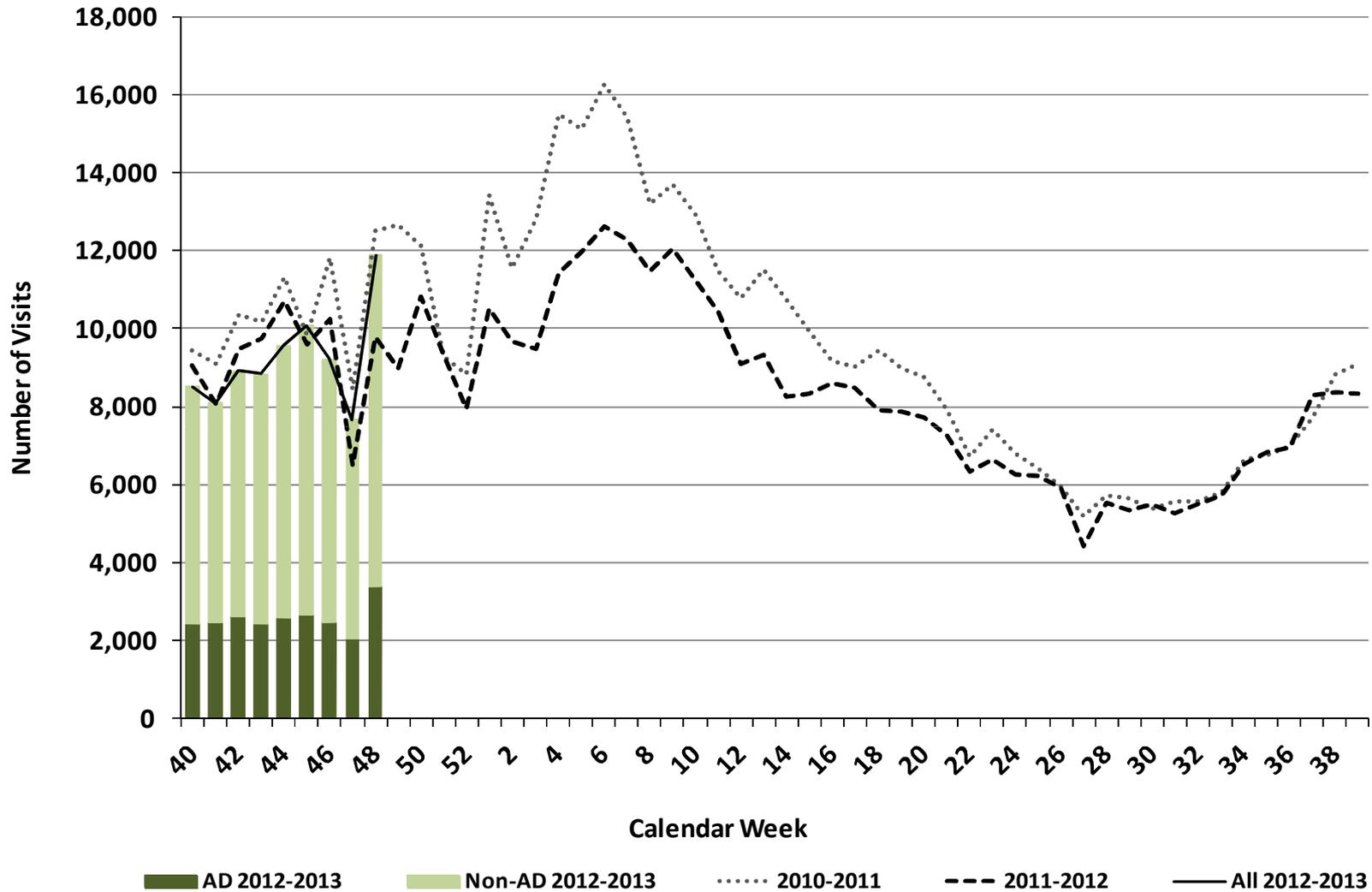
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Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2012-13 and Selected Previous Seasons



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

Army MTFs, All Services, 2010-2013



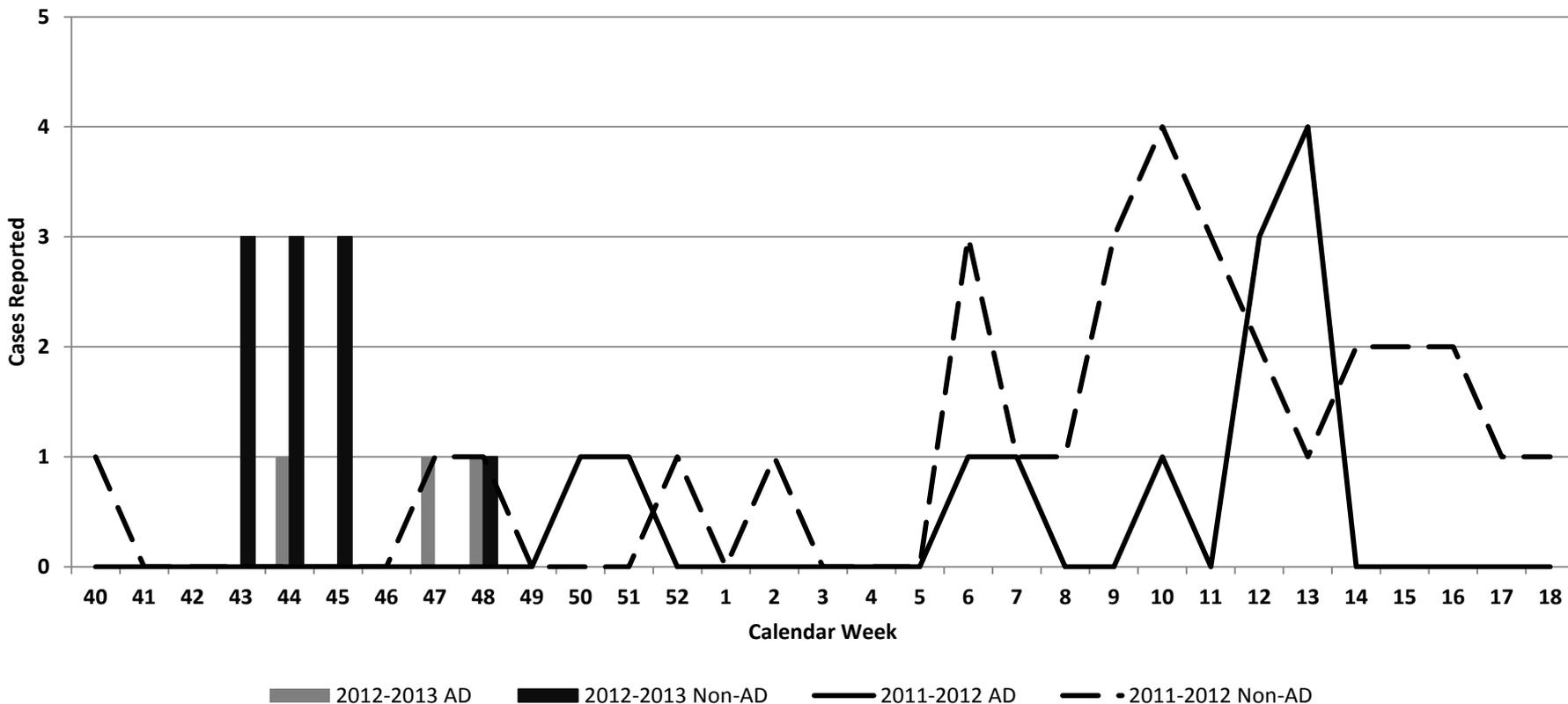
Clinic visits for ILI are obtained from ESSENCE. Data as of 6 December 2012.

## Army MTF Laboratory Results, 2012-13

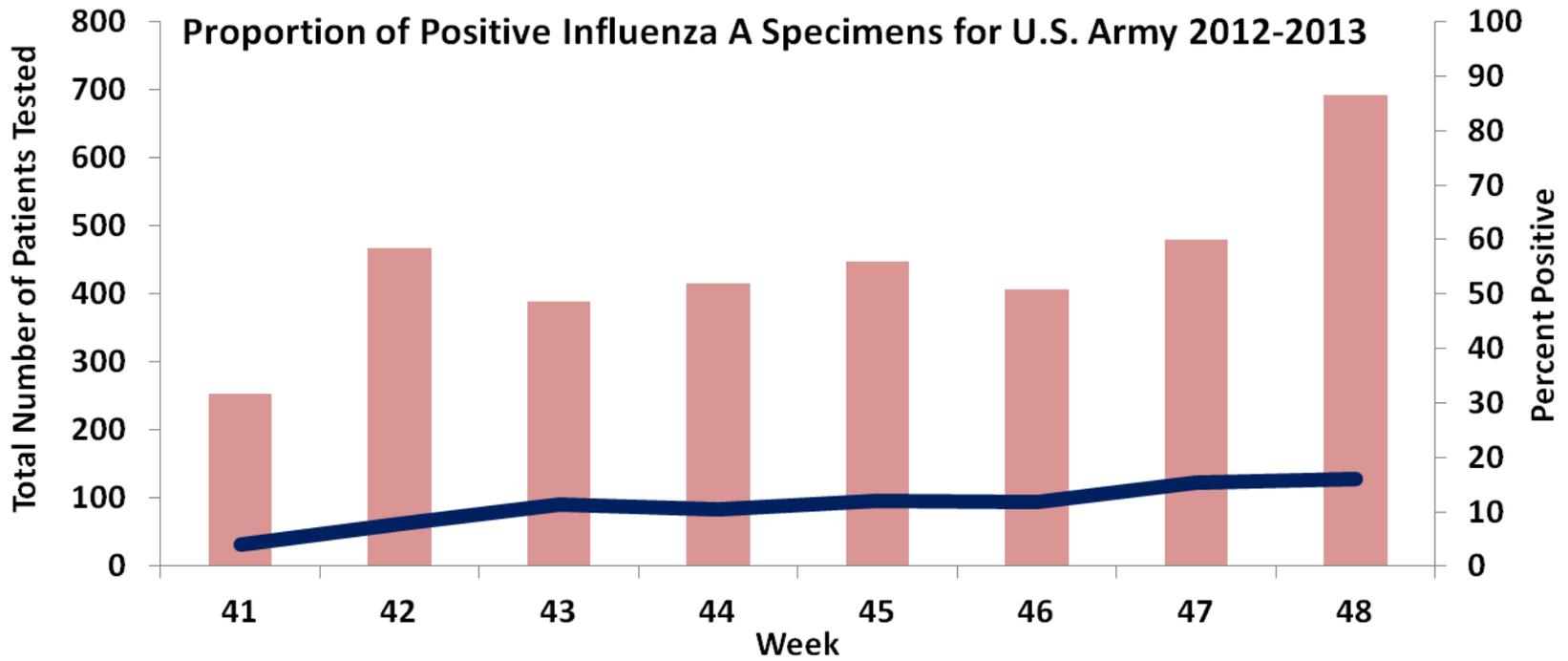
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<b>Total Results</b>	<b>562</b>	<b>534</b>	<b>580</b>	<b>856</b>	<b>1676</b>



## 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 5 December 2012.



## Positive Respiratory Specimen Results from Army MTFs by Virus, 2012-2013 Influenza Season

