

Click on images to enlarge.

# U.S. Army Influenza Activity Report

Week Ending 5 January 2013 (Week 1)

## 2012-2013 Seasonal Influenza Vaccination Coverage

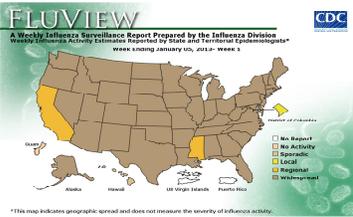
As of 8 JAN 2013

95%	DOD
96%	Army Active Duty
91%	Army Guard
79%	Army Reserve

**SYNOPSIS:** This appears to be an early influenza season in the US. Overall activity remains elevated, but declines were seen in some regions. CDC estimates 36% of people 6 months and older have been vaccinated. Vaccination is still the best prevention, and is available in MTFs.

- **ILI Activity:** Army incident ILI outpatient visits in week 1 were 17% lower than the same week last year.
- **Influenza cases:** Six hospitalized influenza cases were reported to USAPHC in week 1. A total of 36 hospitalized cases have been reported during this influenza season.
- **Acute Respiratory Disease at BCT sites:** ARD rates remain low at all Army BCT sites; despite high civilian rates in the southeast, no increased influenza activity has been noted in trainees.
- **Viral specimens:** During week 1, 355 of 1300 (27%) laboratory specimens tested were positive for respiratory pathogens. Most of the influenza positive specimens were from SRMC (66%), primarily Ft. Hood (34%).

## Geographic Spread

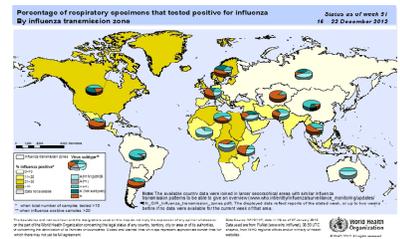


## United States

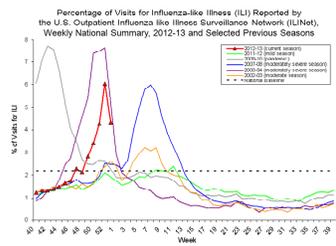
- During week 1, widespread or regional activity was noted in 49 states. Local activity was seen in the District of Columbia. Hawaii reported sporadic activity. Only Guam reported no influenza activity.

## Global

- Many countries in North America, Europe, north Africa, eastern Mediterranean, and temperate Asia have reported increasing influenza activity in week 1, even with irregular reporting due to the holidays.

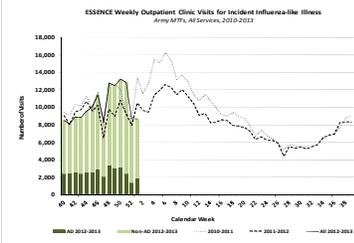


## ILI Activity United States



- For week 1, 4.3% of outpatient visits reported through ILINet were due to ILI, which is above the national baseline of 2.2%.
- Nine regions reported a proportion of outpatient visits for ILI above their specific baselines.
- The percentage of ILI outpatient visits ranged from 2.0 to 9.1% across regions.

## ILI Activity Army



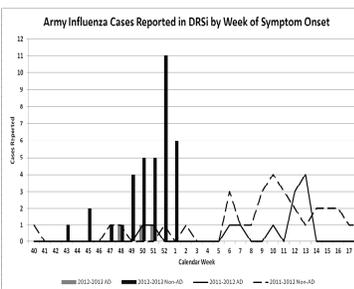
- During week 1, initial ILI visit were 17% lower than at the same time last year, but 35% lower than during the 2010-2011 season.
- Active Duty (AD) Service Members (SMs) accounted for 22% of incident ILI clinic visits during week 1; in 2011-2012, AD SMs comprised 28% of ILI clinic visits on average.

## Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2012-13					
Test Result	Week 50	Week 51	Week 52	Week 1	Total
Influenza A	239	263	128	253	883
Influenza B	71	110	45	35	261
Adenovirus	11	4	10	1	26
Enterovirus	0	0	0	1	1
Parainfluenza	13	11	12	6	42
RSV	54	45	42	59	200
Negative	1019	834	645	945	3443
<b>Total Results</b>	<b>1407</b>	<b>1267</b>	<b>882</b>	<b>1300</b>	<b>3556</b>

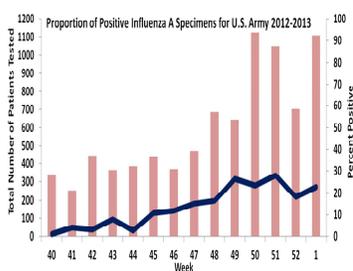
- 27% (355) of respiratory specimens were positive during week 1; influenza A accounted for 71% of positive specimens.
- RSV accounted for 17% of positive specimens and influenza B for 10%.
- Parainfluenza accounted for 2% of positive specimens, and adenovirus for less than 1%.

## DRSi Influenza Case Reporting



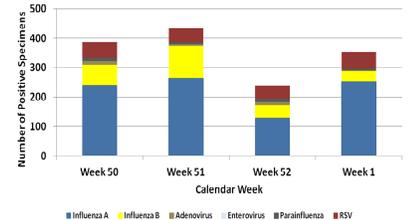
- Six cases of hospitalized influenza were reported in DRSi in week 1, all in dependents.
- A total of 36 influenza admissions have been reported this season for the US Army and Army MTFs.
- At this point in the last influenza season, only 6 patients had been hospitalized for confirmed influenza.

## Laboratory Testing for Influenza A



- The proportion of positive influenza A tests increased from week 52 (18%) to week 1 (23%). In week 52, however, far fewer specimens were tested than in week 1, perhaps due to the holiday season.
- 190 of the 253 (75%) positive influenza A specimens in week 1 were from non-AD personnel.
- 166 (63%) of the 253 positive influenza A specimens were from SRMC, and 66 (26%) were from NRMCM. Only 14 (6%) of the positive specimens were from WRMCM.
- PRMCM had five positive influenza A specimens and ERMCM had two.

## 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



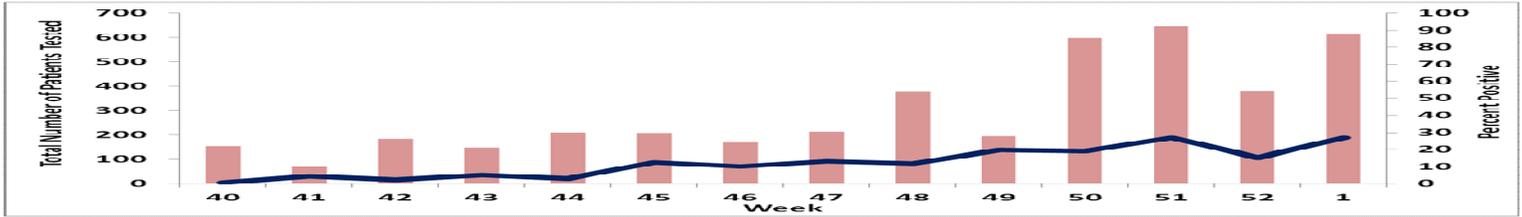
# U.S. Army Influenza Activity Report

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

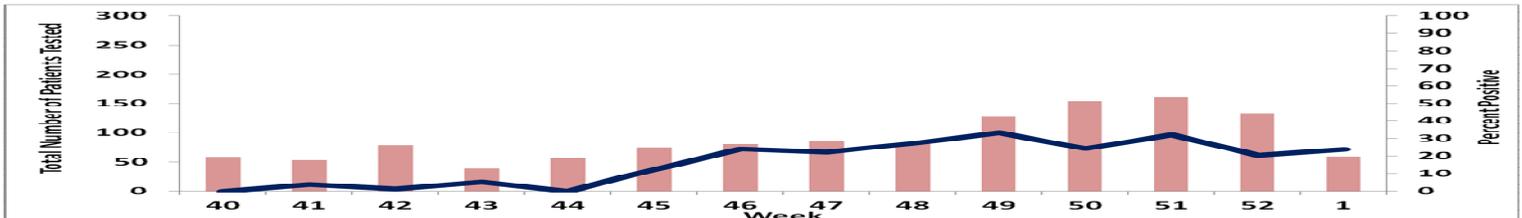
## Northern Regional Medical Command (NRMC)



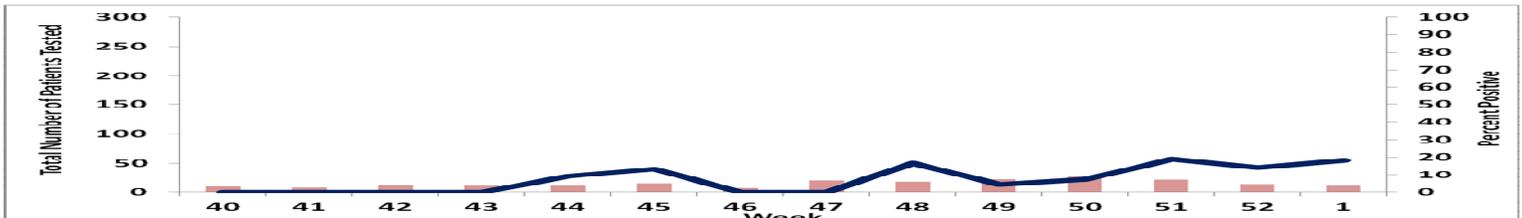
## Southern Regional Medical Command (SRMC)



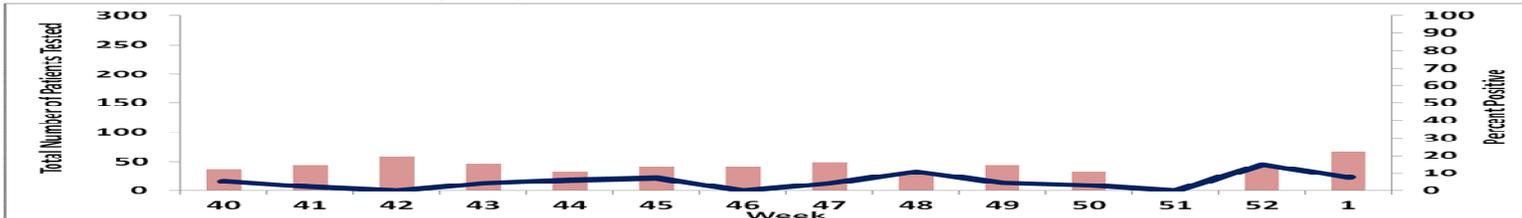
## Western Regional Medical Command (WRMC)



## European Regional Medical Command (ERMC)



## Pacific Regional Medical Command (PRMC)



Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 46		Week 47		Week 48		Week 49		Week 50		Week 51		Week 52		Week 1	
	AD	Non-AD	AD	Non-AD												
NRMC	0	7	5	17	8	30	12	85	28	94	10	27	8	27	22	44
SRMC	4	13	4	24	11	33	2	27	12	89	26	144	9	49	39	127
WRMC	0	19	0	19	3	19	7	35	4	33	8	44	8	19	0	14
ERMC	0	0	0	0	2	1	0	1	0	2	2	2	1	1	1	1
PRMC	0	0	2	0	0	3	1	1	1	0	0	0	1	5	1	4

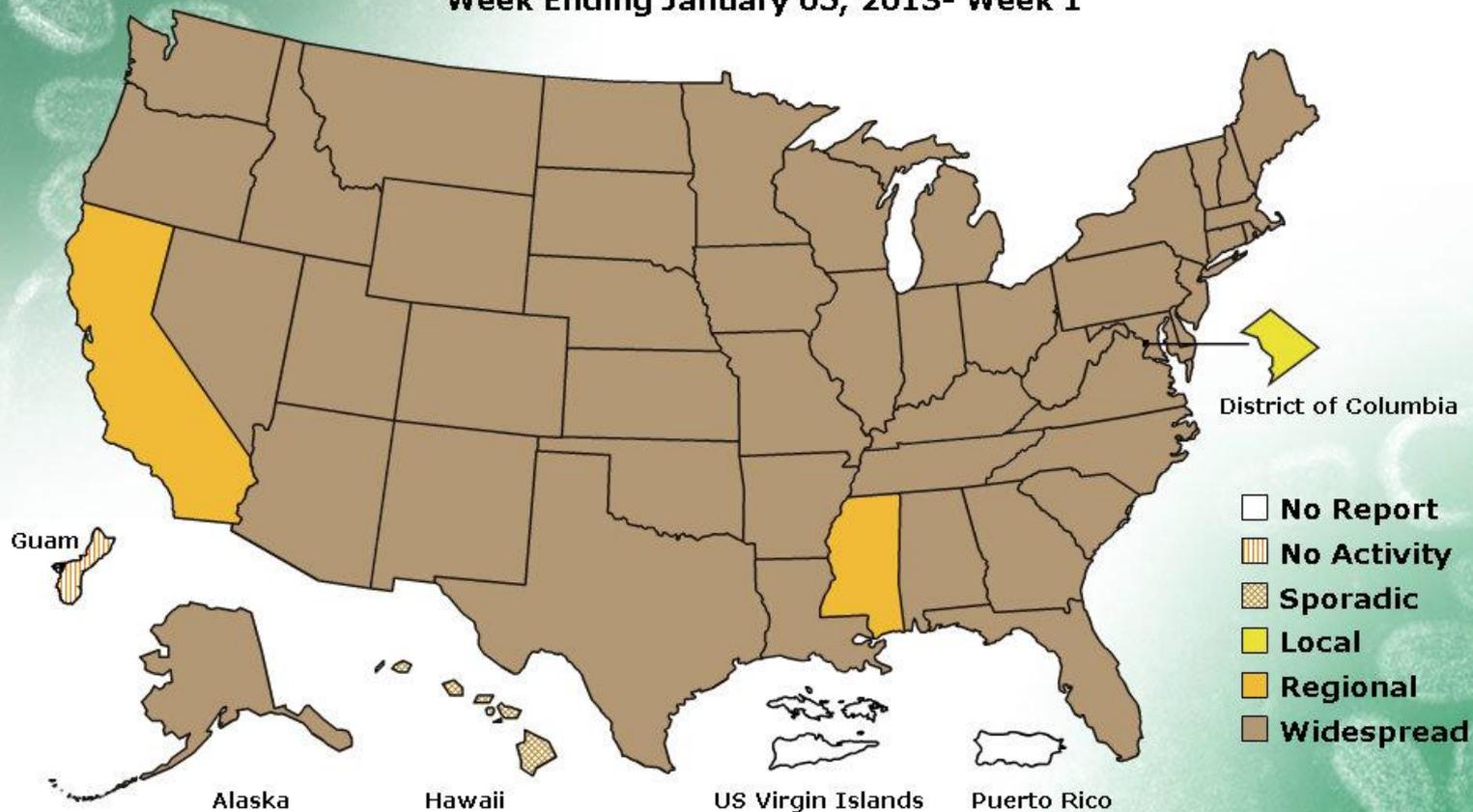
**Locations providing week 1 laboratory data as of 9 January 2013:** Korea, Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Leavenworth, Ft Irwin, Ft Jackson, Ft Knox, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, 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\***

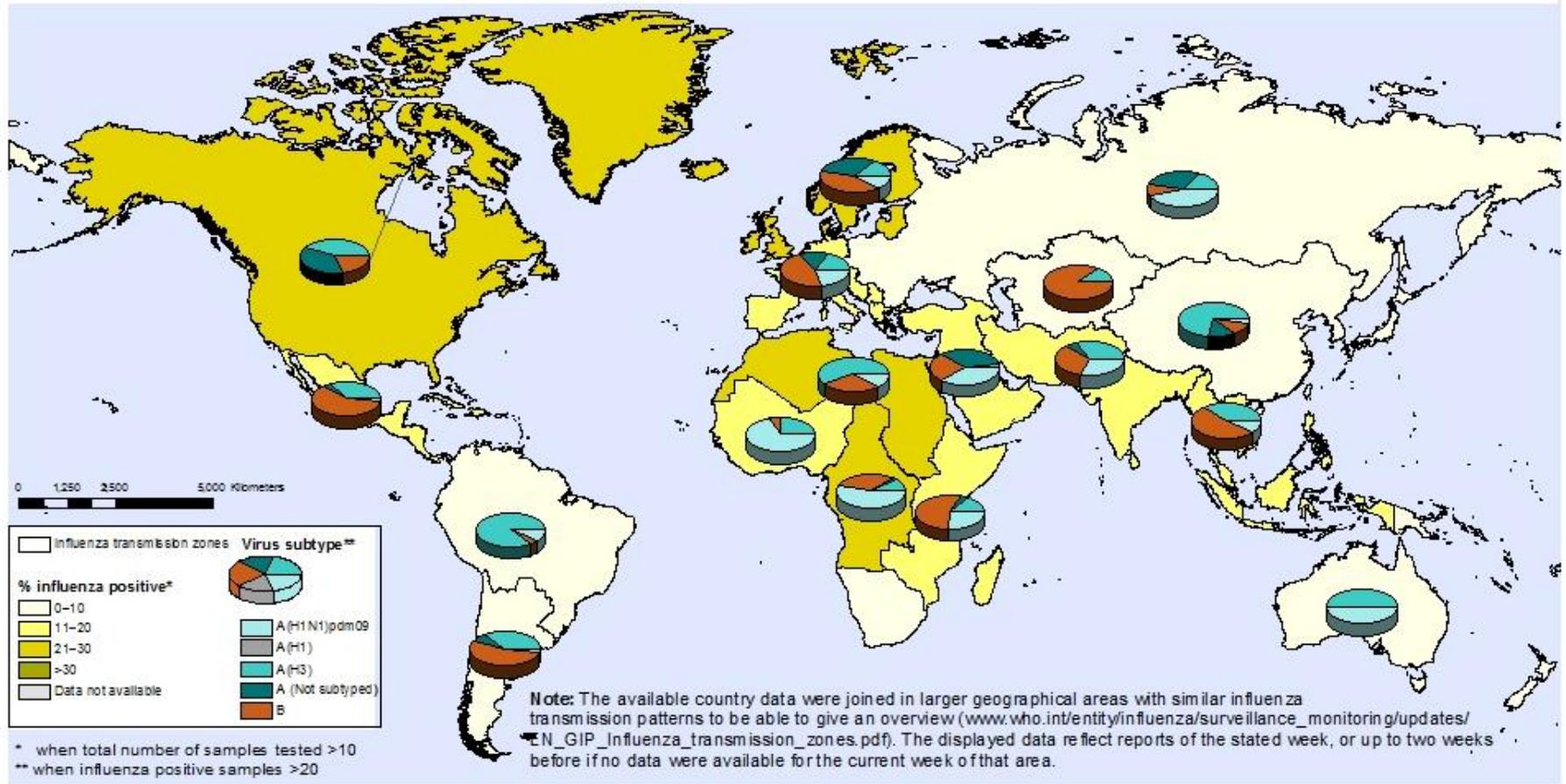
**Week Ending January 05, 2013- Week 1**



\*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 51  
16 – 22 December 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.

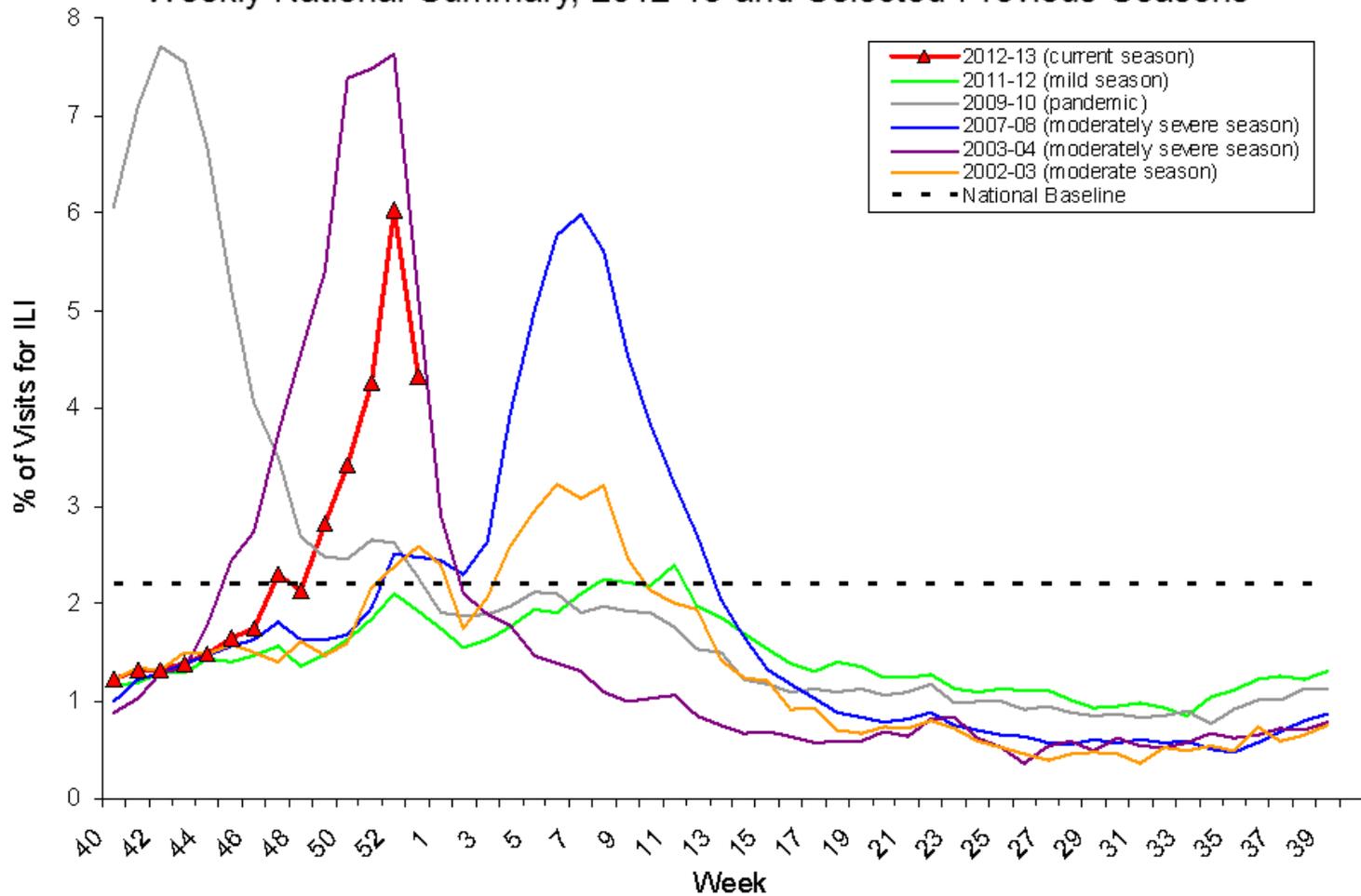
Data Source: WHO/HIP, data in HQ as of 07 January 2013.  
Data used are from FluNet ([www.who.int/flu-net](http://www.who.int/flu-net)), 08:50 UTC snapshot, from WHO regional offices and/or ministry of health websites.



[http://www.who.int/influenza/gisrs\\_laboratory/updates/summaryreport/en/index.html](http://www.who.int/influenza/gisrs_laboratory/updates/summaryreport/en/index.html)

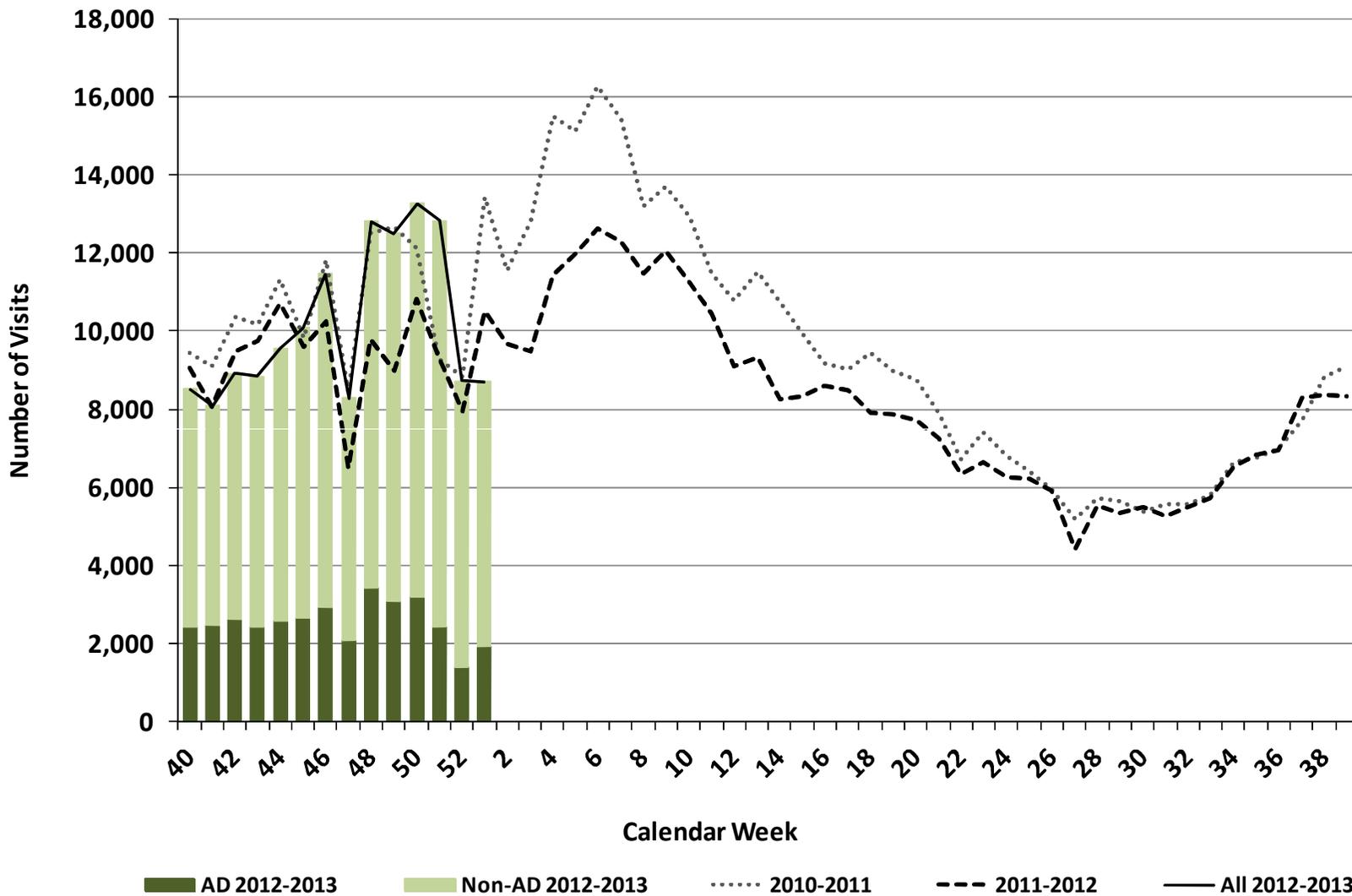
[http://www.who.int/influenza/surveillance\\_monitoring/updates/latest\\_update\\_GIP\\_surveillance/en/index.html](http://www.who.int/influenza/surveillance_monitoring/updates/latest_update_GIP_surveillance/en/index.html)

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



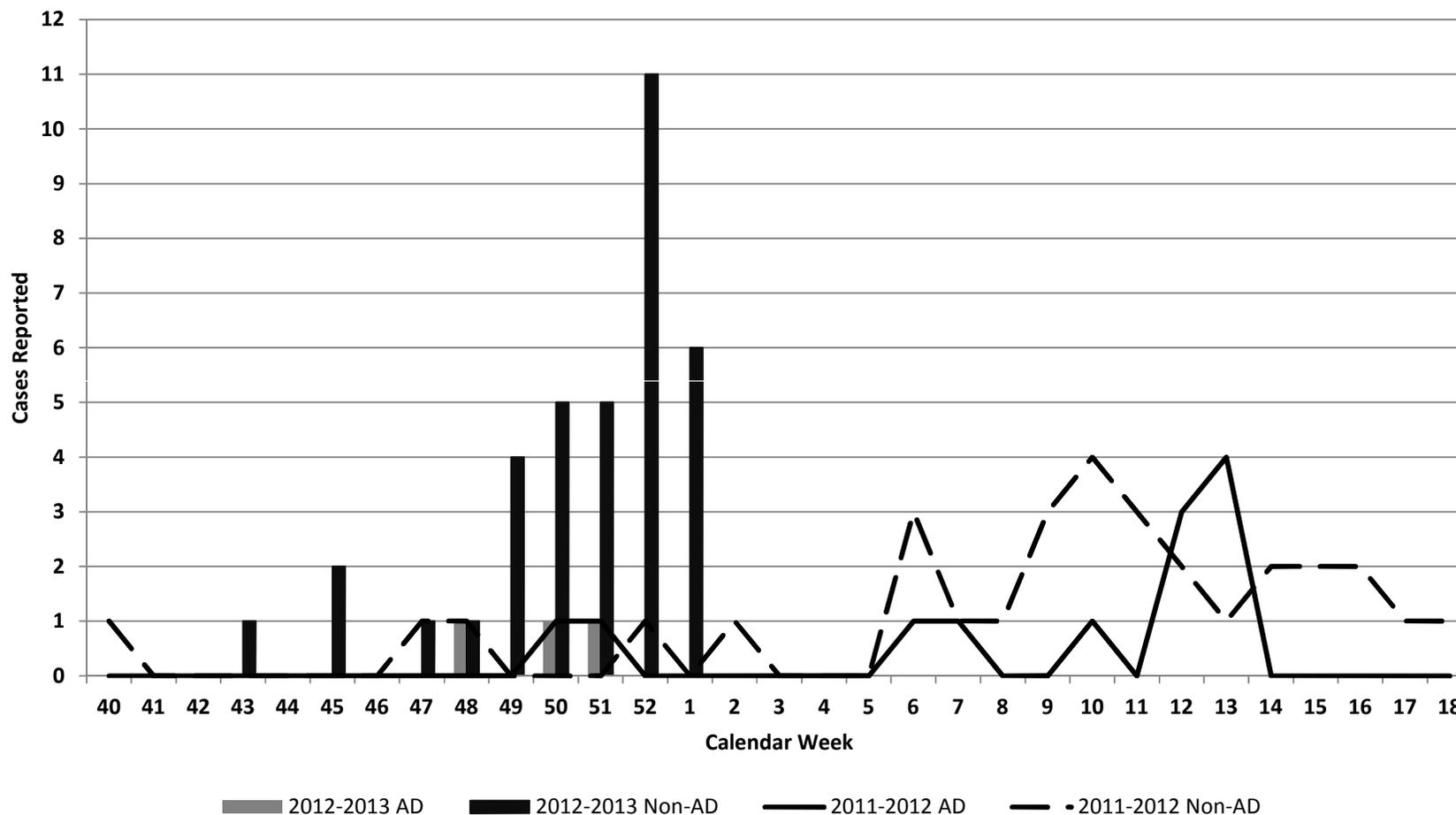
Clinic visits for ILI are obtained from ESSENCE. Data as of 8 January 2013.

## Army MTF Laboratory Results, 2012-13

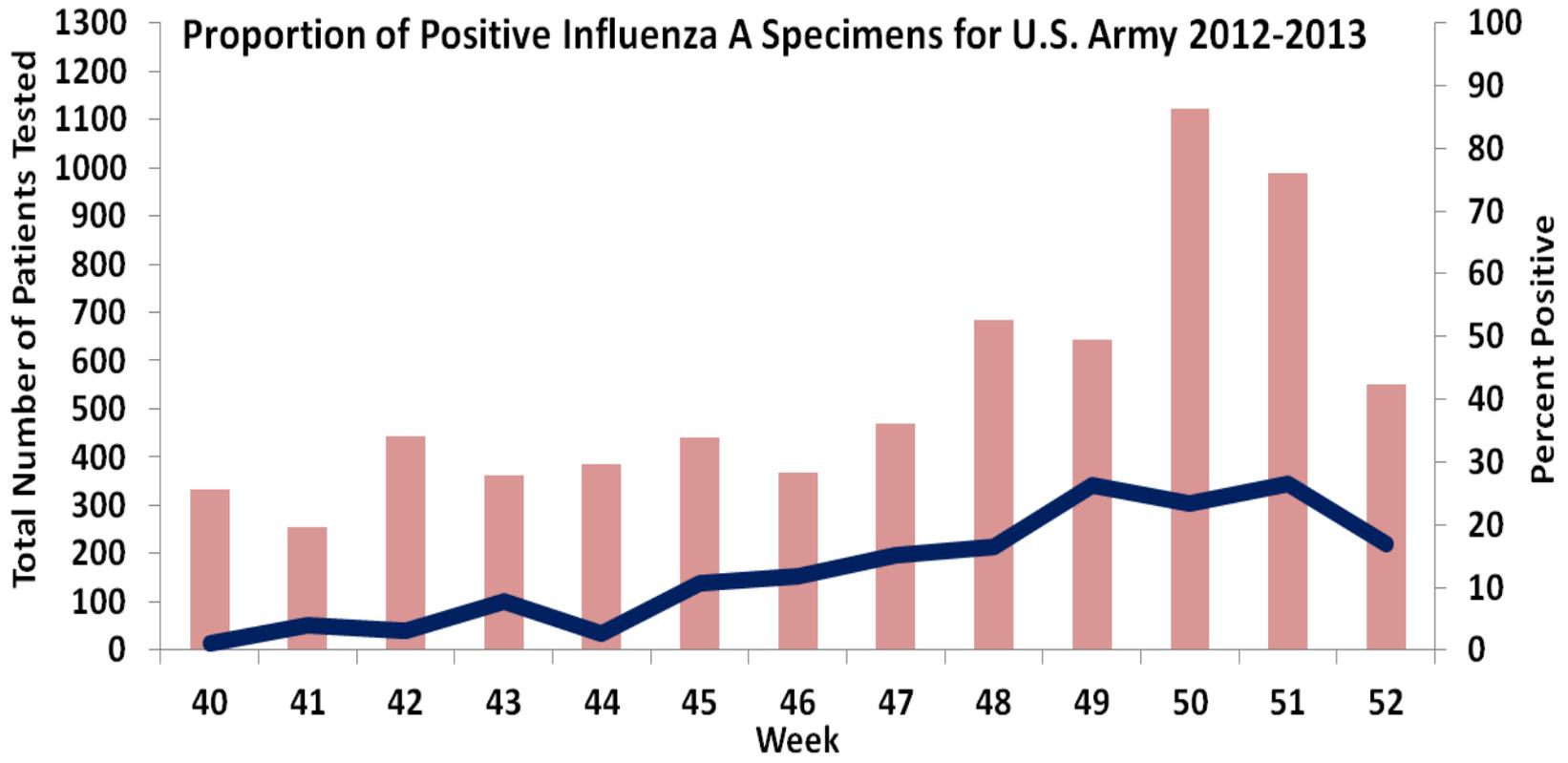
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## Army Influenza Cases Reported in DRSi by Week of Symptom Onset



**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 8 January 2013.



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

