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# U.S. Army Influenza Activity Report

Week Ending 22 March 2014 (Week 12)

2013-2014 Seasonal Influenza Vaccination Coverage As of 19 FEB 2014	
94%	DOD
97%	Army Active Duty
92%	Army Guard
84%	Army Reserve

**SYNOPSIS:** All medical regions within the Army demonstrated a decrease in both influenza A testing and influenza A positive specimens.

- **ILI Activity:** Army incident ILI outpatient visits in week twelve were 22% lower than for the same week last year.
- **Influenza cases:** Three hospitalized influenza cases have been reported to USAPHC through DRSi in week twelve. To date, 107 cases have been reported during this influenza season: twenty-seven in Active Duty (AD) Service Members (SMs) and 80 in non-AD beneficiaries.
- **Viral specimens:** During week twelve, 108 of 592 (18%) laboratory specimens tested positive for respiratory pathogens. The most influenza A positive specimens were reported from ERMC (53%), followed by NRMC and PRMC which accounted for 18% and 15%, respectively.

## Geographic Spread



## United States

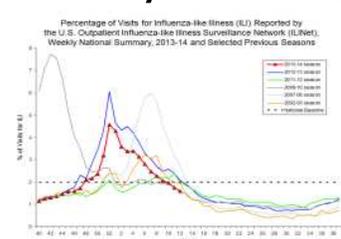
- In week twelve, Guam and 11 states reported widespread and regional influenza activity. The District of Columbia and seventeen states reported local activity, while Puerto Rico and twenty-two states reported sporadic activity. The Virgin Islands reported no activity.

## World Health Organization

- Globally, overall influenza activity continued to decline. However, an increase in influenza B activity was observed in parts of the world with less intensity compared to the earlier influenza A activity.

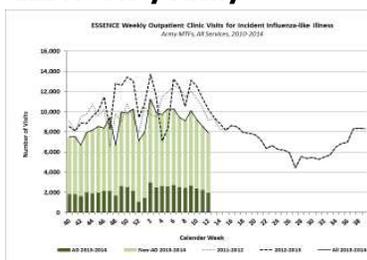


## ILI Activity United States



- Nationwide during week twelve, 1.6% of outpatient visits reported in ILINet were due to ILI, which is below the national baseline of 2.0%.
- The percentage of ILI outpatient visits ranged from 0.9% to 2.9% across the regions reporting.

## ILI Activity Army



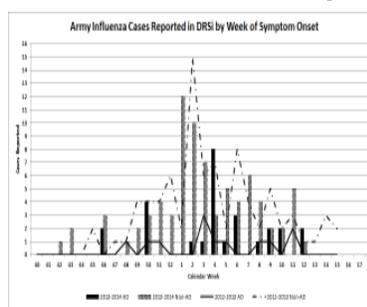
- During week twelve, incident ILI activity was 22% lower than the same time last year and 13% lower than week 12 in 2011-2012.
- AD SMs accounted for 25% of incident ILI clinic visits during week twelve; in 2012-2013, AD SMs comprised 26% of ILI clinic visits on average.

## Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2013-14					
Test Result	Week 9	Week 10	Week 11	Week 12	Season Total
Influenza A	158	124	95	34	4293
Influenza B	17	16	17	14	161
Adenovirus	11	15	10	12	261
Enterovirus	0	0	0	3	23
Parainfluenza	11	7	10	8	282
RSV	67	75	61	37	1335
Negative	776	709	641	484	17954
<b>Total Results</b>	<b>1040</b>	<b>946</b>	<b>834</b>	<b>592</b>	<b>24309</b>

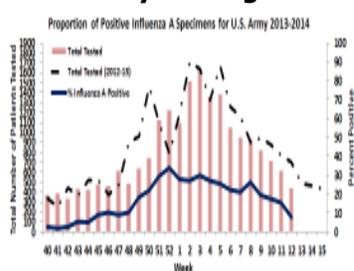
- In week twelve, 18% (108) of specimens tested positive.
- Influenza A accounted for 31% of positive specimens.
- RSV accounted for 34% of positive specimens, adenovirus for 11%, and parainfluenza for 7%.
- Influenza B accounted for 13% of positive specimens.

## DRSi Influenza Case Reporting

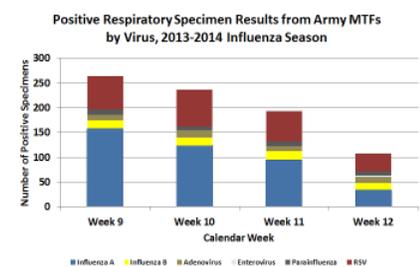


- In week twelve, three cases of influenza-associated hospitalizations were reported in DRSi, two of which were in AD SMs.
- 107 hospitalized influenza cases have been reported since the beginning of this influenza season.
- At the same time last influenza season, 91 hospitalized influenza cases were reported.

## Laboratory Testing for Influenza A



- In week twelve, 34 of 438 (8%) influenza A specimens tested positive. This was a decrease from week eleven (16%). Twenty (59%) of the positive influenza A specimens were reported in non-AD personnel.
- ERMC reported 18 (53%) of the total influenza A cases. NRMC reported 6 (18%) positive influenza A specimens, and PRMC reported 5 (15%). SRMC reported 4 cases (12%) and WRMC reported 0 cases for week twelve. CENTCOM reported 1 case (3%).



**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

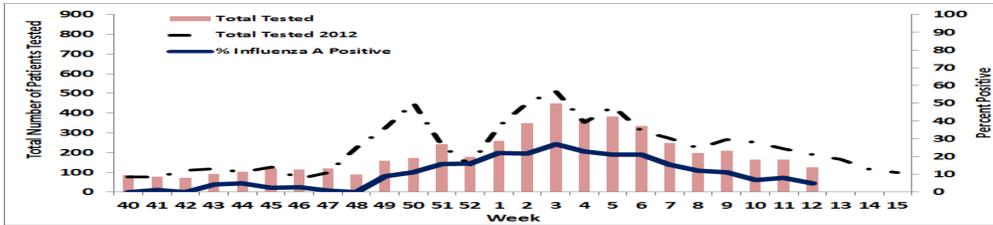
## Questions?

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

# U.S. Army Influenza Activity Report

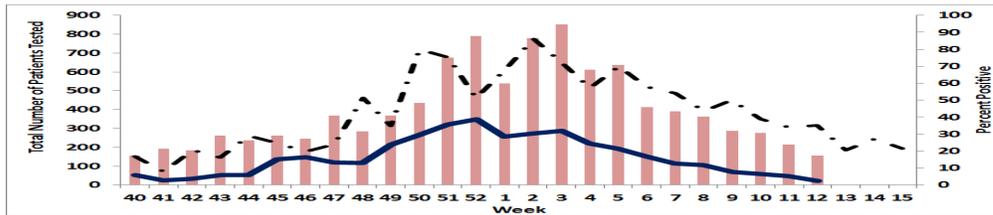
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2013-2014 as Compared to 2012-2013

## Northern Regional Medical Command (NRMC)



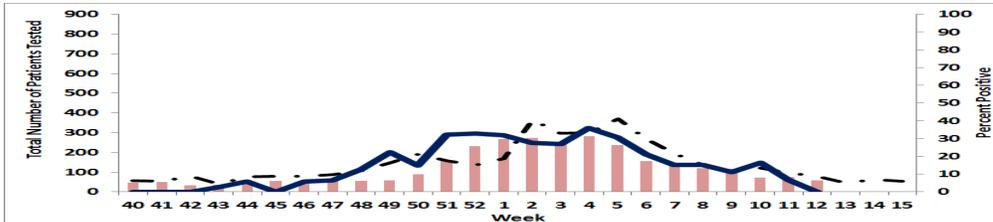
Week 12			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	2	329
18-29	1	1	128
30-39	0	0	113
40-49	0	0	72
50-59	0	1	48
60+	0	1	33
<b>Total</b>	<b>1</b>	<b>5</b>	<b>723</b>

## Southern Regional Medical Command (SRMC)



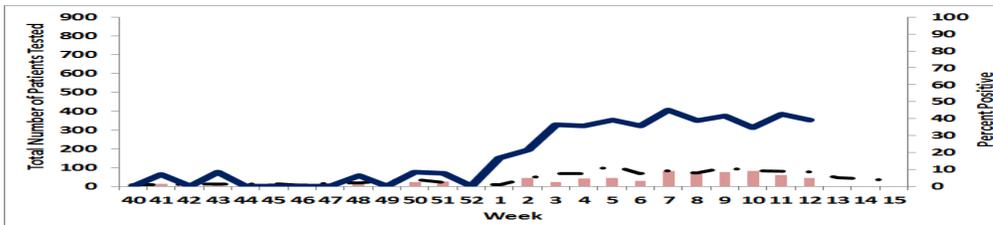
Week 12			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	2	909
18-29	0	0	380
30-39	0	0	289
40-49	0	2	213
50-59	0	0	196
60+	0	0	155
<b>Total</b>	<b>0</b>	<b>4</b>	<b>2142</b>

## Western Regional Medical Command (WRMC)



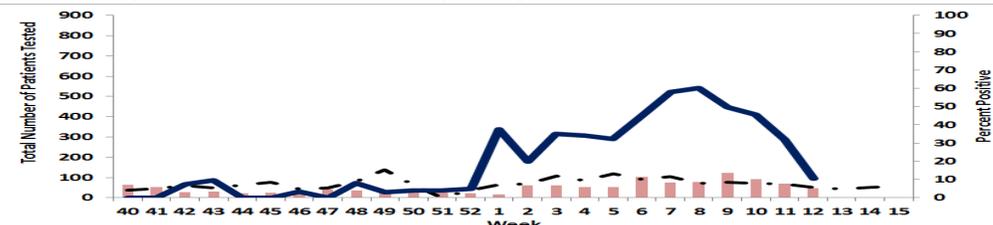
Week 12			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	338
18-29	0	0	127
30-39	0	0	78
40-49	0	0	61
50-59	0	0	44
60+	0	0	25
<b>Total</b>	<b>0</b>	<b>0</b>	<b>673</b>

## Europe Regional Medical Command (ERMC)



Week 12			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	4	83
18-29	5	1	48
30-39	4	0	66
40-49	1	1	20
50-59	1	1	16
60+	0	0	3
<b>Total</b>	<b>11</b>	<b>7</b>	<b>236</b>

## Pacific Regional Medical Command (PRMC)



Week 12			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	110
18-29	1	0	116
30-39	0	1	67
40-49	1	1	36
50-59	0	0	16
60+	0	0	8
<b>Total</b>	<b>2</b>	<b>3</b>	<b>353</b>

Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 5		Week 6		Week 7		Week 8		Week 9		Week 10		Week 11		Week 12	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD								
NRMC	20	61	20	51	10	28	4	20	4	19	1	10	7	6	1	5
SRMC	29	108	14	55	16	33	9	33	5	17	5	13	3	8	0	4
WRMC	12	61	8	25	3	17	4	14	2	11	1	11	1	4	0	0
ERMC	11	7	2	8	15	22	11	15	8	24	11	17	15	11	11	7
PRMC	10	7	24	22	25	19	19	28	29	31	17	25	7	15	2	3
CENTCOM	4	20	0	4	3	9	16	68	1	7	6	7	5	13	0	1

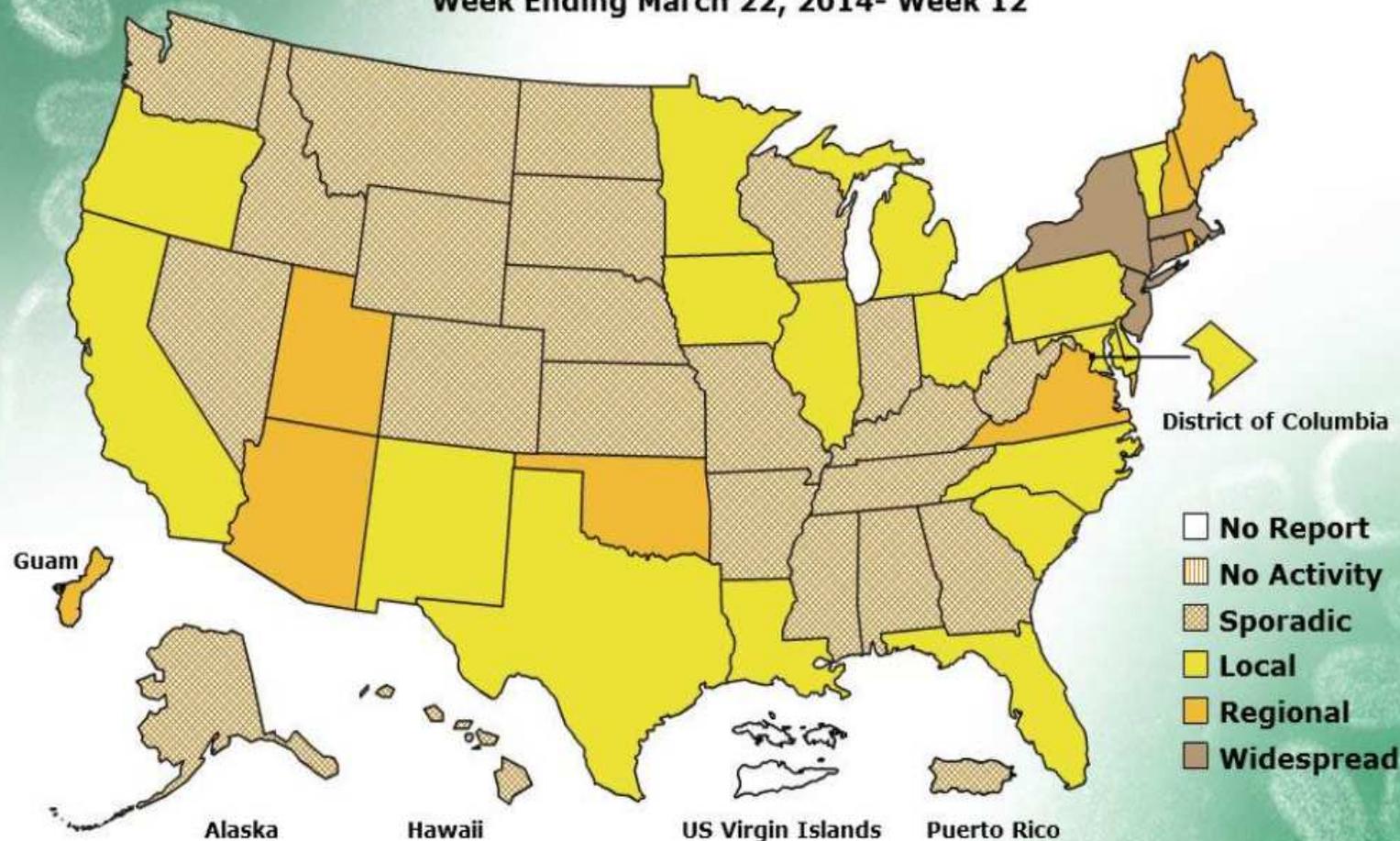
**Locations providing week 12 laboratory data as of 26 March 2014:** Korea, Ft Belvoir (NCR), Ft Benning, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Irwin, Ft Jackson, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, 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\*

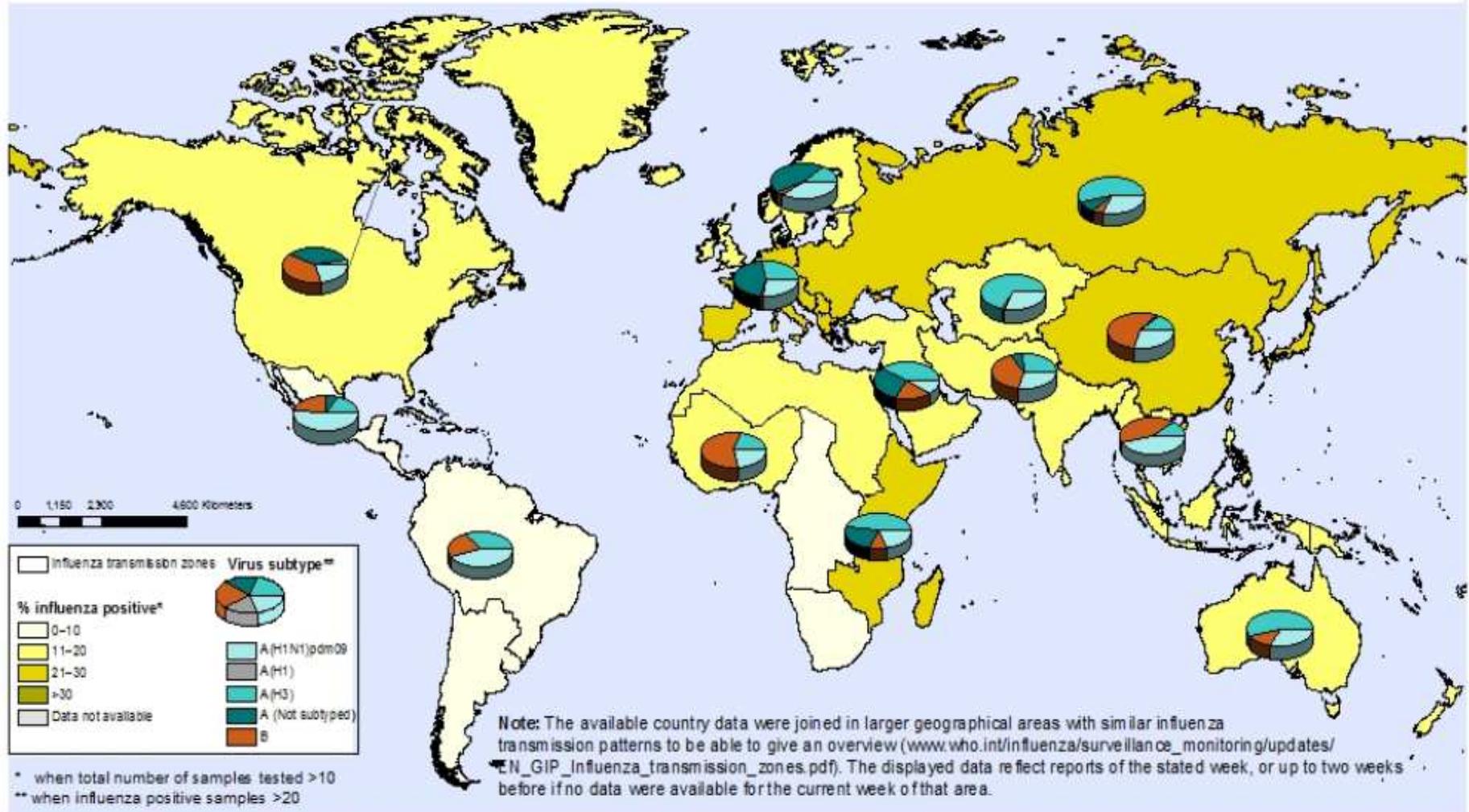
Week Ending March 22, 2014- Week 12



\*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 10  
02-08 March 2014



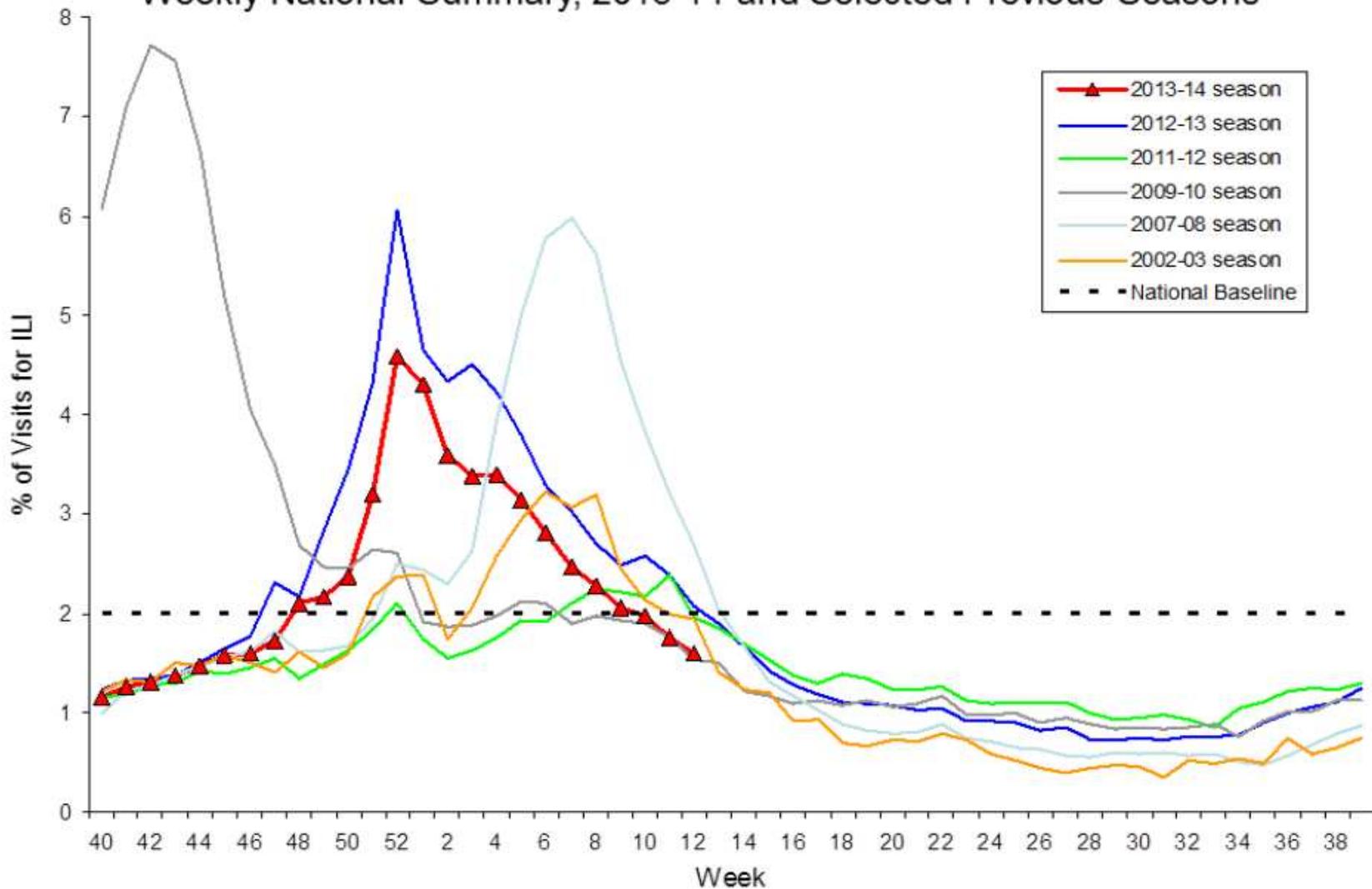
The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers 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 21 January 2014. Data used are from FluNet ([www.who.int/flu-net](http://www.who.int/flu-net)), 14:10 UTC snapshot, from WHO regional offices and/or ministry of health websites.

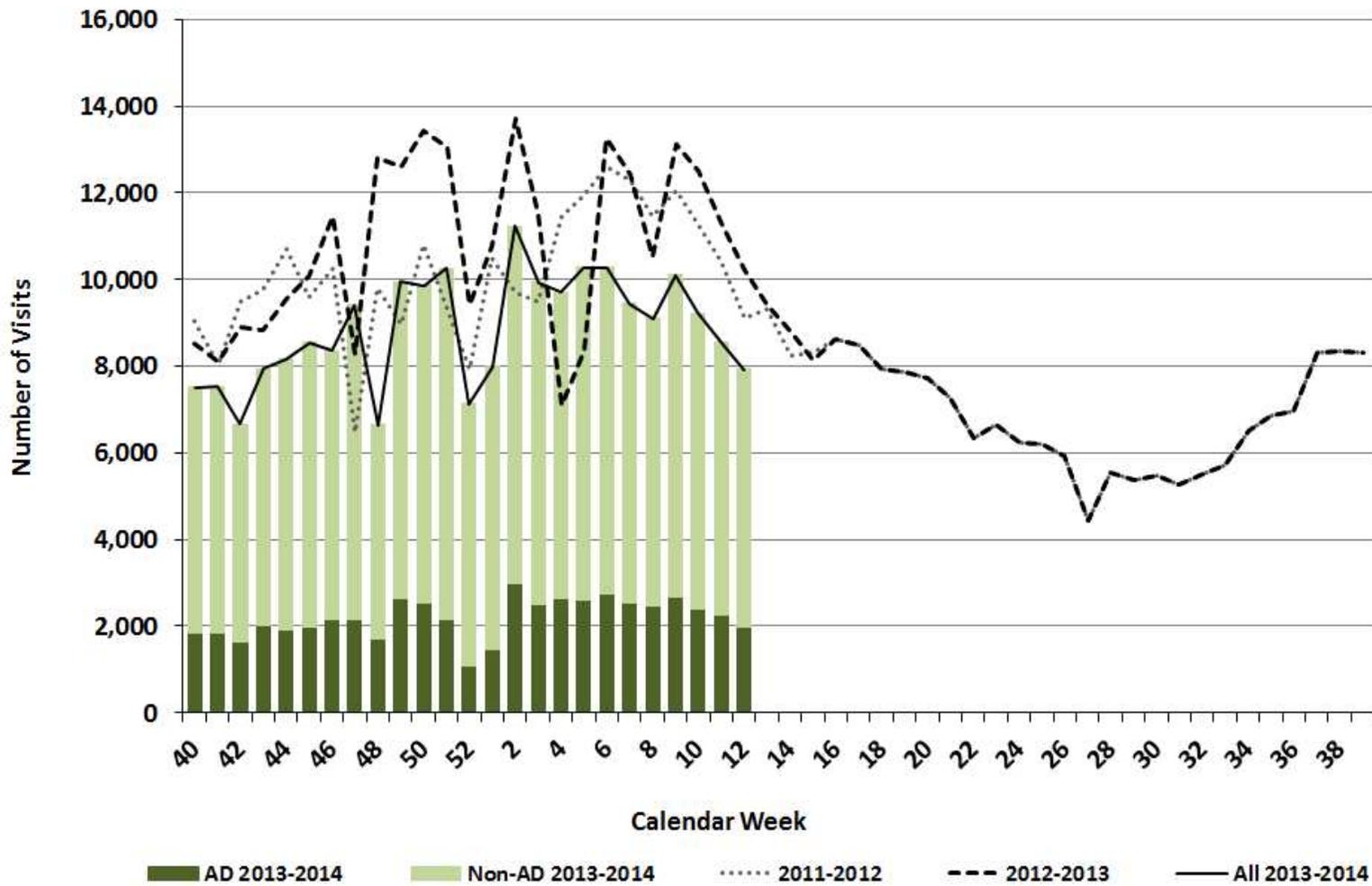


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Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2013-14 and Selected Previous Seasons



**ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness**  
*Army MTFs, All Services, 2010-2014*



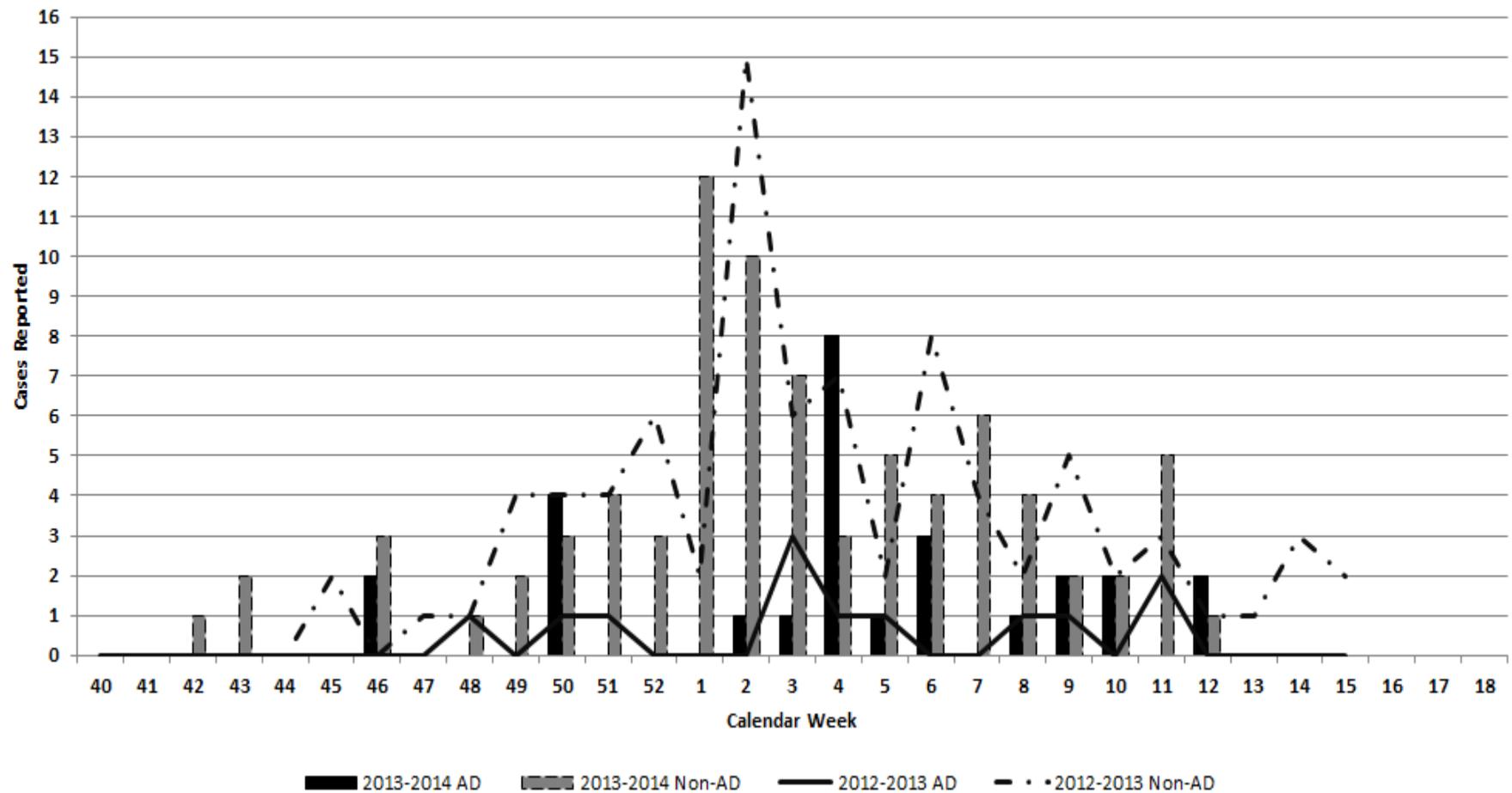
*Clinic visits for ILI are obtained from ESSENCE. Data as of 27 March 2014.*

## Army MTF Laboratory Results, 2013-14

Test Result	Week 9	Week 10	Week 11	Week 12	Season Total
<b>Influenza A</b>	158	124	95	34	<b>4293</b>
<b>Influenza B</b>	17	16	17	14	<b>161</b>
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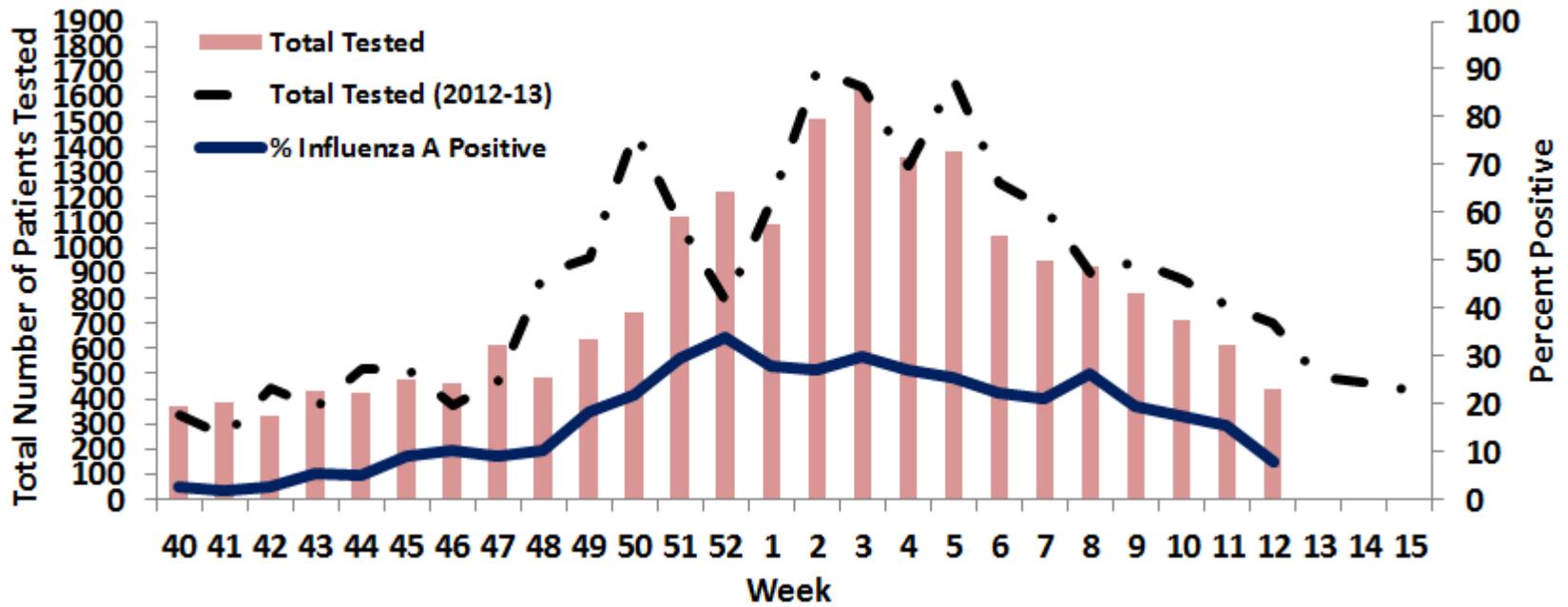


### Army Influenza Cases Reported in DRSi by Week of Symptom Onset

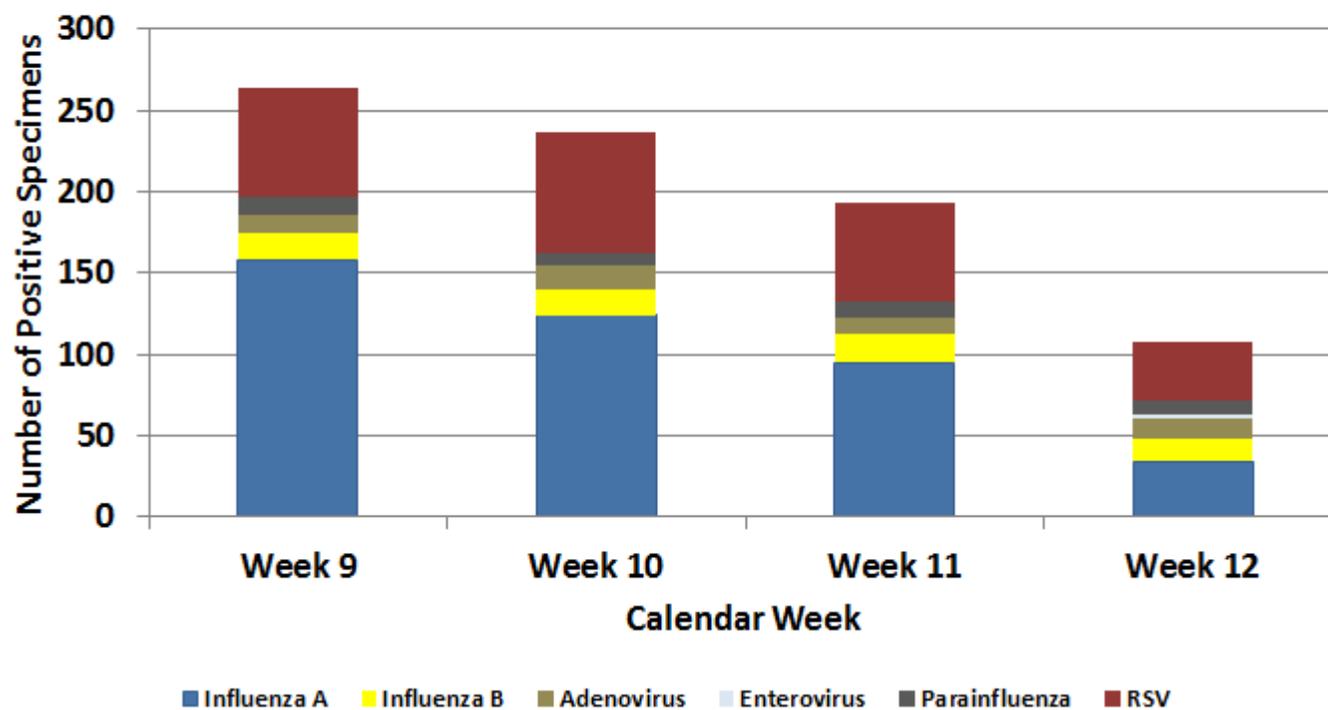


**Note:** Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information  
Data as of 26 March 2014.

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

Region	Week 5		Week 6		Week 7		Week 8		Week 9		Week 10		Week 11		Week 12	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD								
NRMC	20	61	20	51	10	28	4	20	4	19	1	10	7	6	1	5
SRMC	29	108	14	55	16	33	9	33	5	17	5	13	3	8	0	4
WRMC	12	61	8	25	3	17	4	14	2	11	1	11	1	4	0	0
ERMC	11	7	2	8	15	22	11	15	8	24	11	17	15	11	11	7
PRMC	10	7	24	22	25	19	19	28	29	31	17	25	7	15	2	3
CENTCOM	4	20	0	4	3	9	16	68	1	7	6	7	5	13	0	1