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U.S. Army Influenza Activity Report

Week Ending 14 December 2013 (Week 50)

2013-2014 Seasonal Influenza Vaccination Coverage

As of 17 DEC 2013

89%	DOD
95%	Army Active Duty
84%	Army Guard
67%	Army Reserve

SYNOPSIS: Following seasonal trends, influenza activity has steadily increased over recent weeks, yet overall influenza and influenza-like illness remains low.

- **ILI Activity:** Army incident ILI outpatient visits in week 50 were 32% lower than for the same week last year.
- **Influenza cases:** Seven hospitalized influenza cases were reported to USAPHC in week 50. To date, 18 cases have been reported during this influenza season: six in AD SMs and 12 in non-AD beneficiaries.
- **Viral specimens:** During week 50, 237 of 961 (24%) laboratory specimens tested were positive for respiratory pathogens. More specimens were positive for Influenza A (66%) than for RSV (23%). The majority of influenza A-positive specimens were submitted by MTFs in SRMC.
- **Army Vaccination Rates:** Army (COMPO 1) compliance in week 50: MEDCOM 98%, FORSCOM 97%, TRADOC 93%, AMC 93%, IMCOM 85%, USASOC 89%.

Geographic Spread

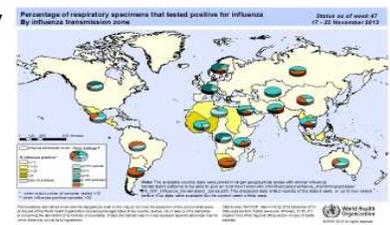


United States

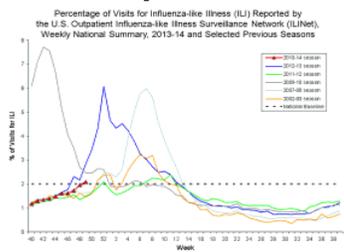
- In week 50, 37 states reported local or regional activity, while 8 states, Puerto Rico, DC, and Guam reported sporadic influenza activity. Four states reported widespread activity (AL, LA, NY, TX), and one state reported no activity.

Global

- Overall influenza activity worldwide remained low. Low levels of influenza activity in the WHO European Region continued with sporadic detections of influenza viruses reported from a few countries.

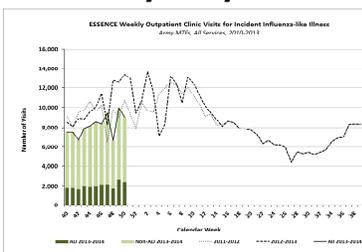


ILI Activity United States



- 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



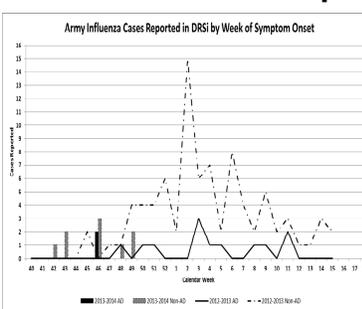
- During week 50, incident ILI activity was 32% lower than the same time last year and 16% lower than the 2011-2012 season.
- Active Duty (AD) Service Members (SMs) accounted for 27% of incident ILI clinic visits during week 50; in 2012-2013, AD SMs comprised 26% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Test Result	Week 47	Week 48	Week 49	Week 50	Season Total
Influenza A	54	49	117	156	537
Influenza B	1	3	1	4	23
Adenovirus	7	8	11	11	81
Enterovirus	0	0	0	1	3
Parainfluenza	17	9	7	10	161
RSV	47	54	55	55	371
Negative	607	479	610	724	5495
Total Results	733	602	801	961	3097

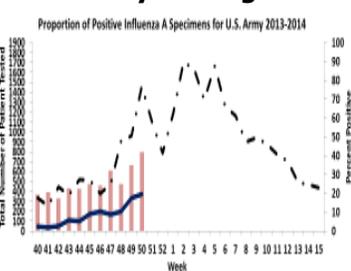
- In week 50, 24% (237) of respiratory specimens were positive.
- Influenza A accounted for 66% of positive specimens. RSV accounted for 23% of positive specimens, adenovirus for 5%, and parainfluenza for 4%.
- Influenza B accounted for 2% of positive specimens.

DRSi Influenza Case Reporting

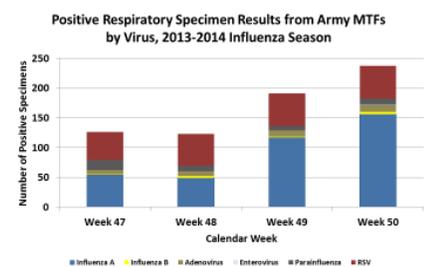


- In week 50, seven cases of influenza-associated hospitalizations were reported in DRSi; four in AD SMs and three in non-AD beneficiaries.
- Eighteen hospitalized influenza cases were reported since the beginning of this influenza season.
- At the same time last influenza season, fourteen hospitalized influenza cases were reported.

Laboratory Testing for Influenza A



- The proportion of positive influenza A tests in week 50 (19.6%) increased from week 49 (17.6%), which follows seasonal trends.
- 135 of the 156 (87%) positive influenza A specimens in week 50 were from non-AD personnel.
- 122 (78%) of the 156 positive specimens were from SRMC. NRMC reported 19 (12%) positive influenza A specimens, and WRMC reported 12 (8%). ERMC reported two cases (1%) and PRMC reported one case (1%).
- CENTCOM reported zero positive influenza A specimens.



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?

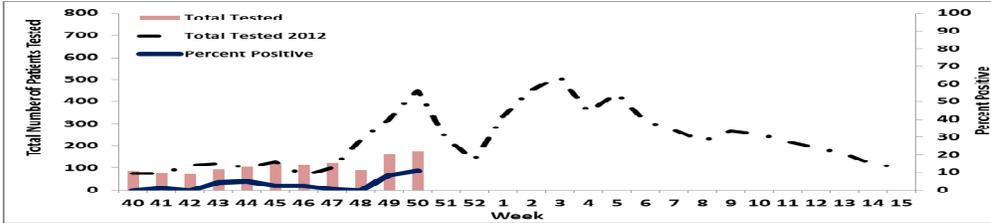
Email USAPHC-DEP
410-417-3774



U.S. Army Influenza Activity Report

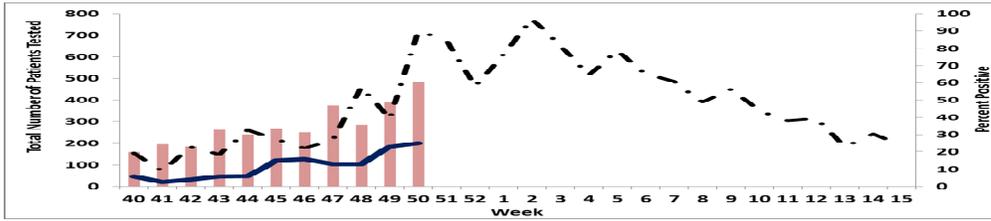
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2013-14 as Compared to 2012-2013

Northern Regional Medical Command (NRMC)



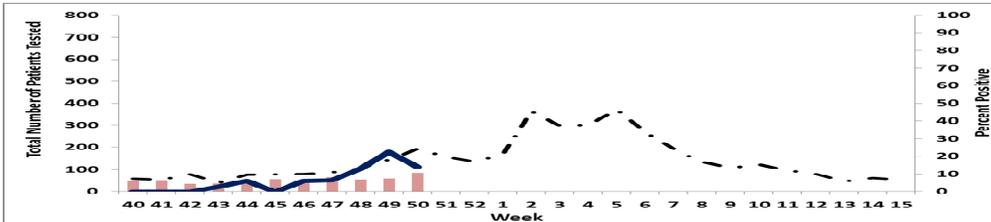
Week 50			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	10	22
18-29	1	0	5
30-39	1	2	8
40-49	1	2	7
50-59	0	2	3
60+	0	0	5
Total	3	16	50

Southern Regional Medical Command (SRMC)



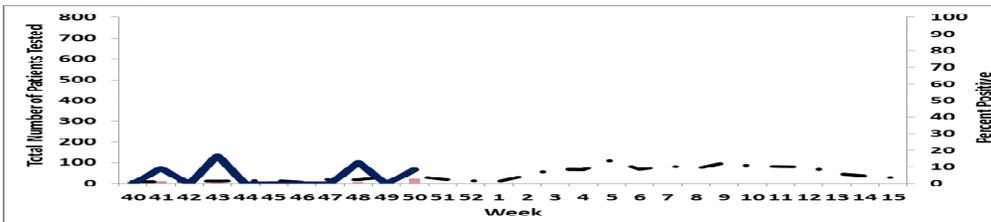
Week 50			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	70	219
18-29	5	16	71
30-39	10	6	49
40-49	0	8	29
50-59	0	2	25
60+	0	5	34
Total	15	107	427

Western Regional Medical Command (WRMC)



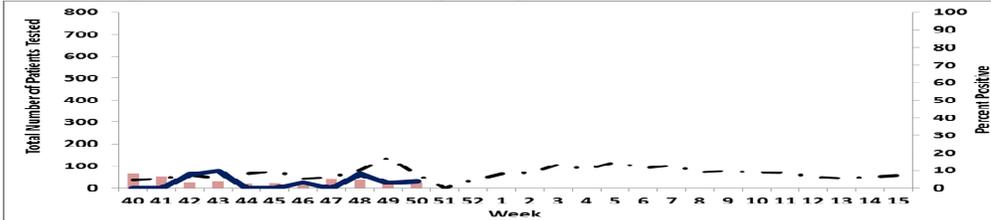
Week 50			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	5	20
18-29	0	3	9
30-39	1	0	5
40-49	0	0	1
50-59	0	2	4
60+	0	1	4
Total	1	11	43

Europe Regional Medical Command (ERMC)



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

Pacific Regional Medical Command (PRMC)



Week 50			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	6
18-29	0	0	2
30-39	0	0	1
40-49	0	0	0
50-59	0	0	0
60+	0	0	2
Total	0	1	11

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	1	3	1	4	1	2	2	1	0	1	0	0	3	11	3	16
SRMC	3	12	2	12	8	32	5	35	3	46	2	35	9	80	15	107
WRMC	0	1	1	2	0	0	1	2	0	4	1	6	1	12	1	11
ERMC	1	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0
PRMC	0	3	0	0	0	0	0	1	0	0	0	3	0	1	0	1
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

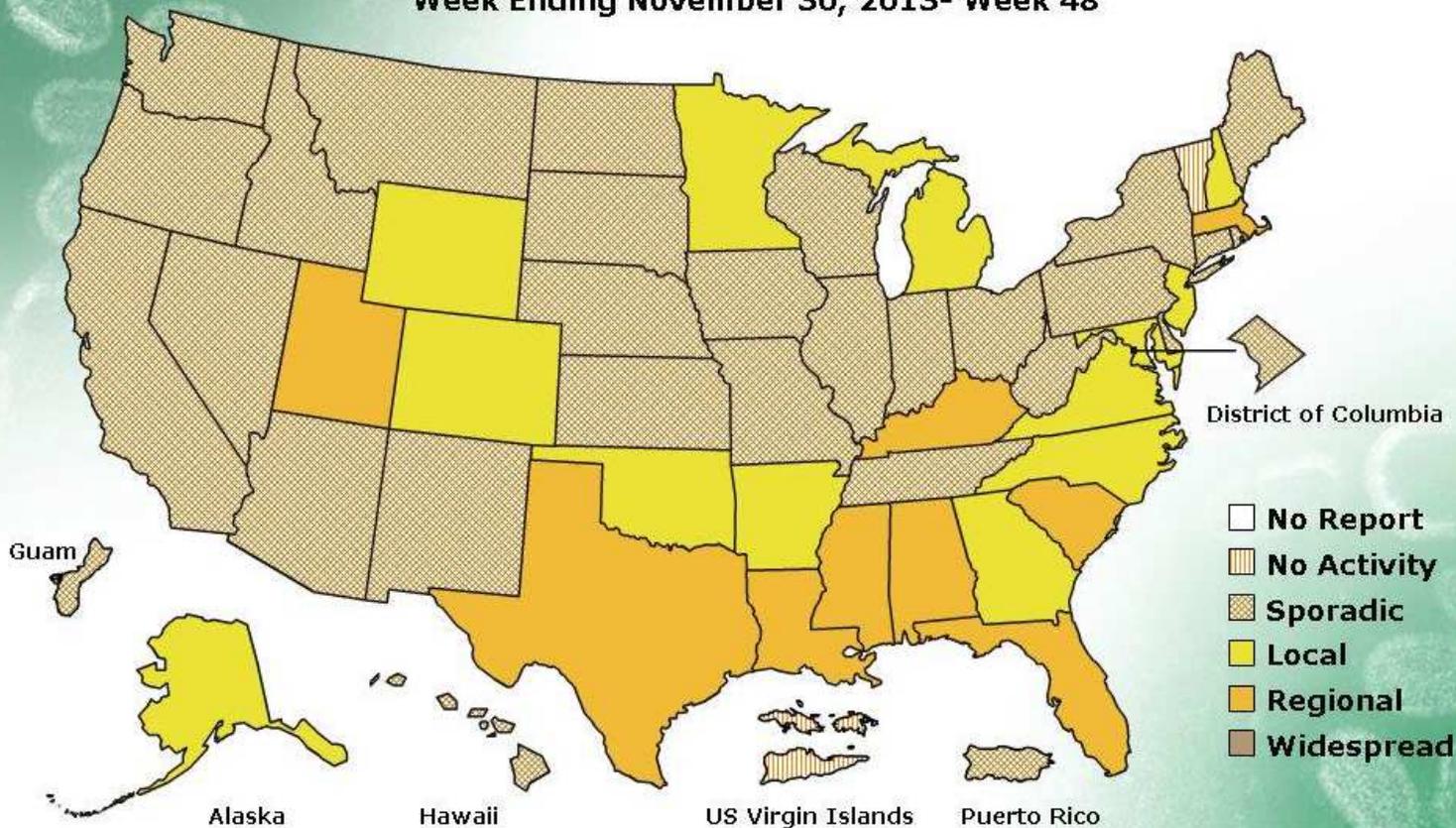
Locations providing week 50 laboratory data as of 18 December 2013: Korea, Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Irwin, Ft Jackson, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, 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*

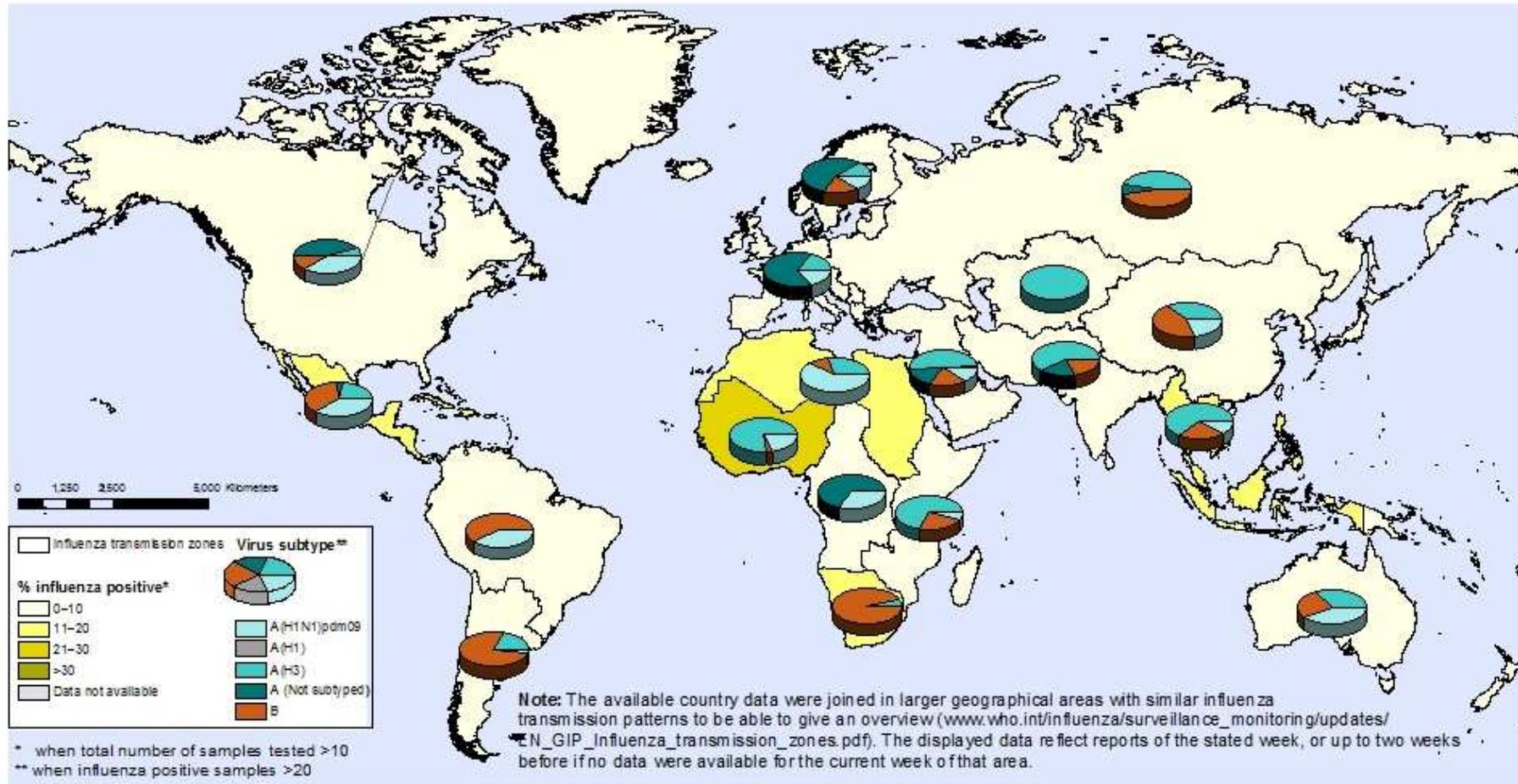
Week Ending November 30, 2013- Week 48



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

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

Status as of week 47
17 - 23 November 2013



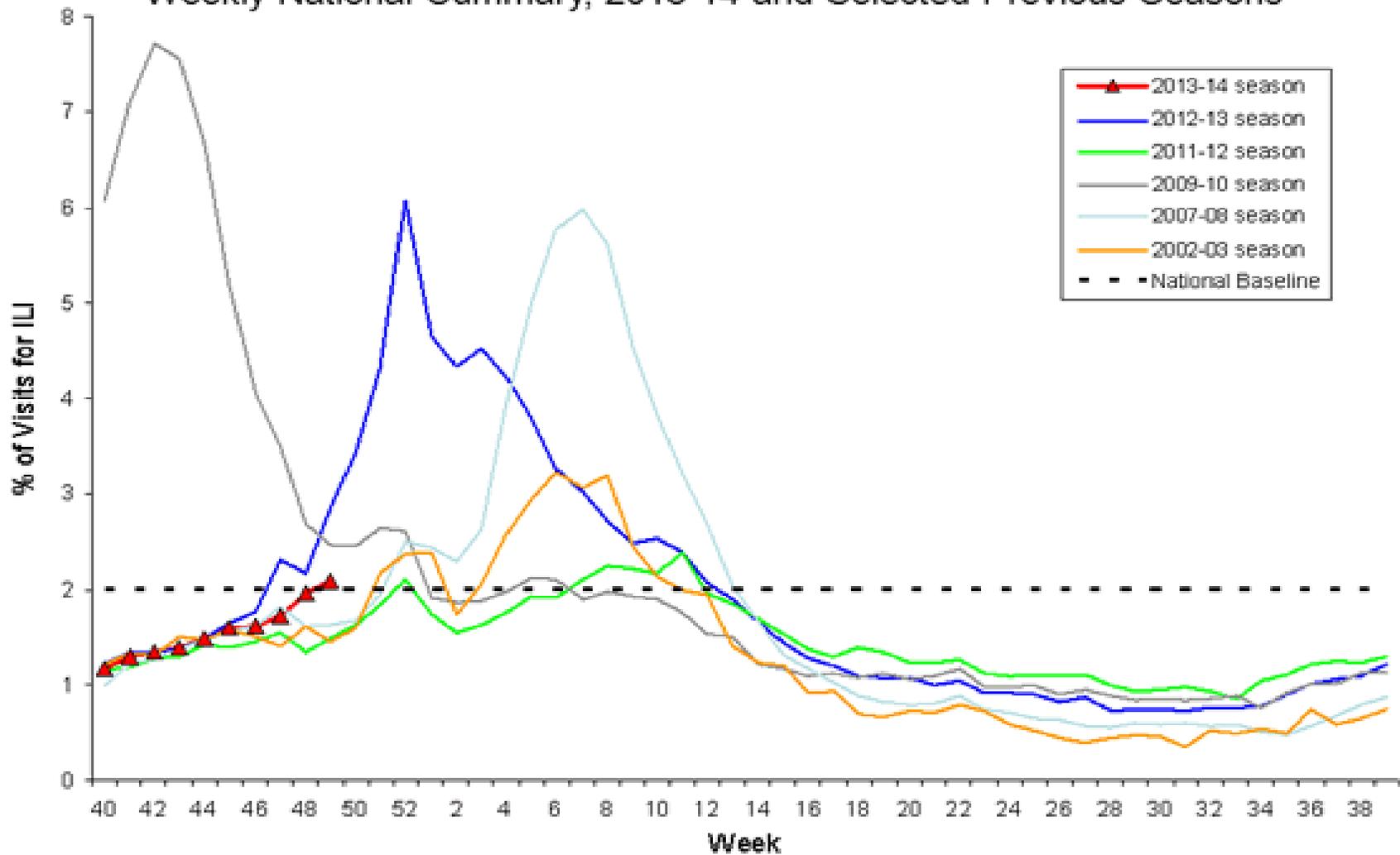
The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers 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 03 December 2013.
Data used are from FluNet (www.who.int/flu-net), 13:30 UTC snapshot, from WHO regional offices and/or ministry of health websites.



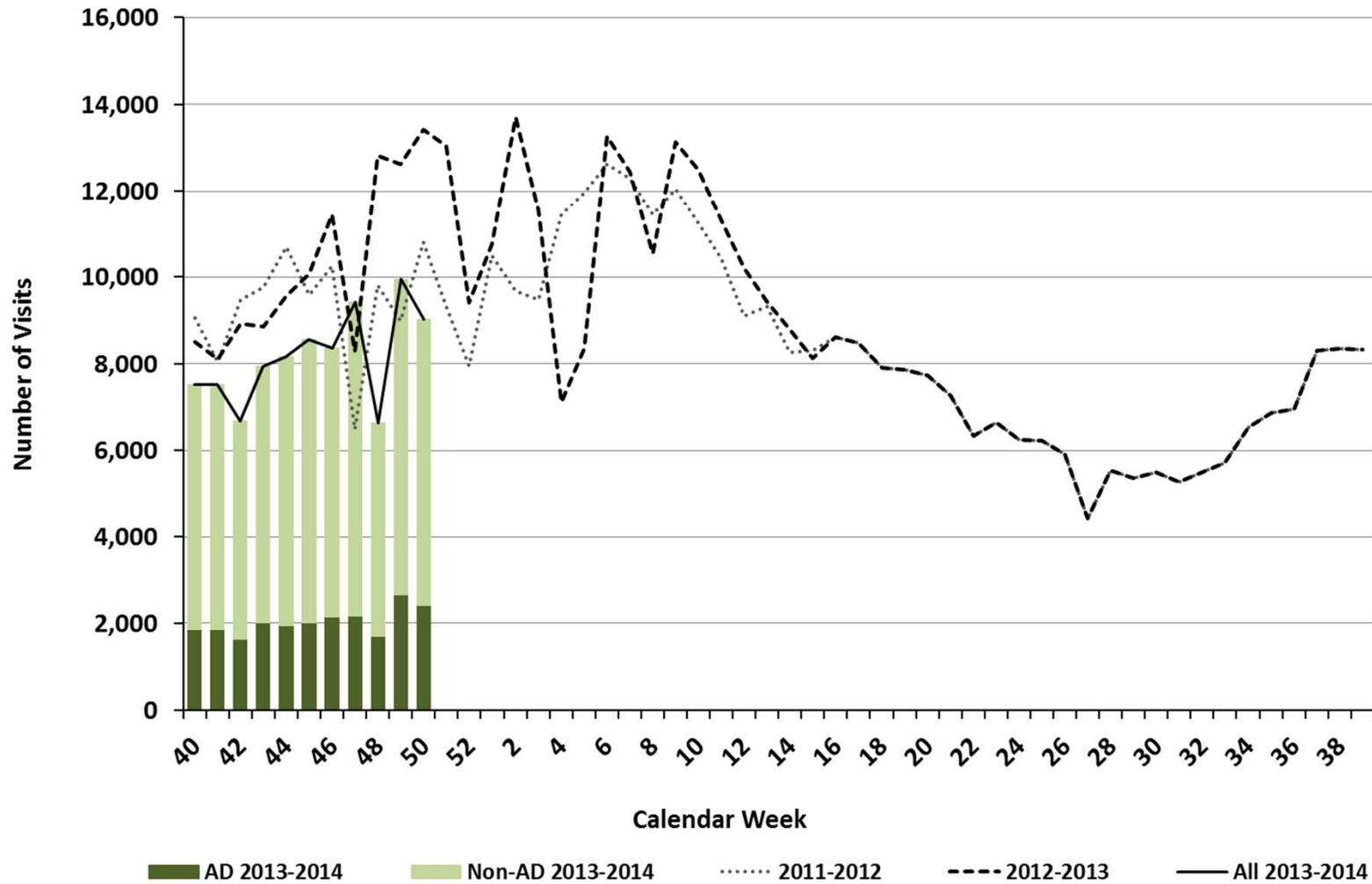
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Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2013-14 and Selected Previous Seasons



ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

Army MTFs, All Services, 2010-2013



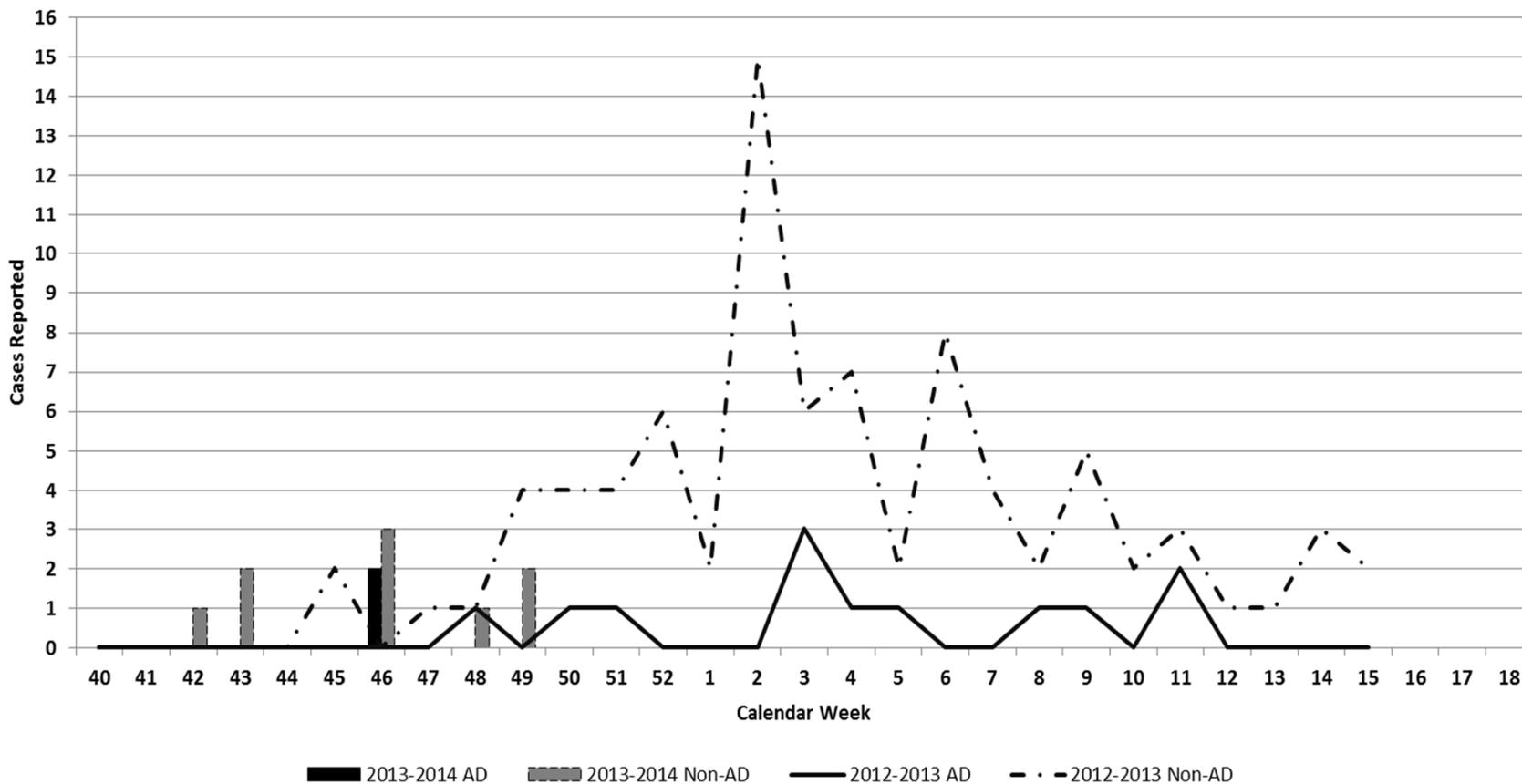
Clinic visits for ILI are obtained from ESSENCE. Data as of 18 December 2013.

Army MTF Laboratory Results, 2013-14

Test Result	Week 47	Week 48	Week 49	Week 50	Season Total
Influenza A	54	49	117	156	537
Influenza B	1	3	1	4	23
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Total Results	733	602	801	961	3097

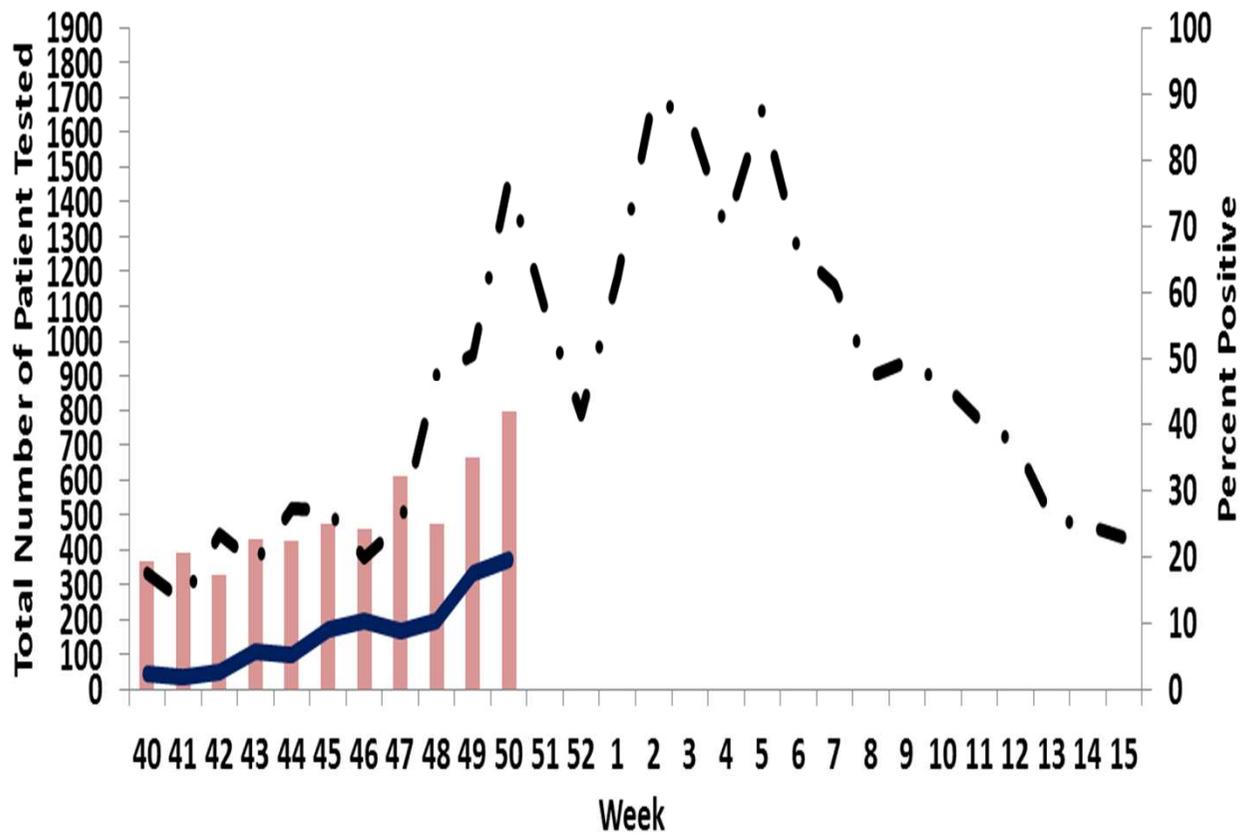


Army Influenza Cases Reported in DRSi by Week of Symptom Onset

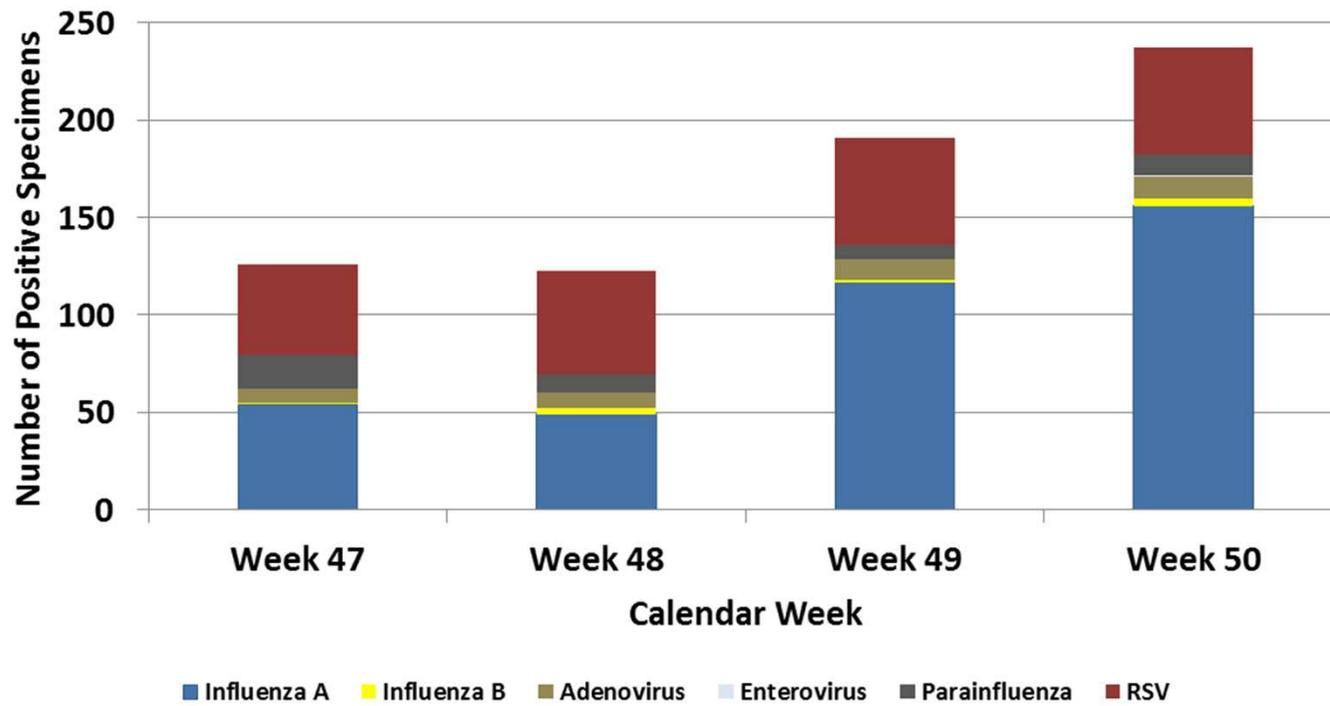


Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information
Data as of 12 December 2013.

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

Region	Week 43		Week 44		Week 45		Week 46		Week 47		Week 48		Week 49		Week 50	
	AD	Non-AD														
NRMC	1	3	1	4	1	2	2	1	0	1	0	0	3	11	3	16
SRMC	3	12	2	12	8	32	5	35	3	46	2	35	9	80	15	107
WRMC	0	1	1	2	0	0	1	2	0	4	1	6	1	12	1	11
ERMC	1	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0
PRMC	0	3	0	0	0	0	0	1	0	0	0	3	0	1	0	1
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0