

Click on images
to enlarge.

U.S. Army Influenza Activity Report

Week Ending 26 October 2013 (Week 43)

2013-2014 Seasonal Influenza Vaccination Coverage

As of 31 OCT 2013

70%	DOD
66%	Army Active Duty
24%	Army Guard
23%	Army Reserve

SYNOPSIS: Overall influenza-like illness (ILI) activity remains low in both Army and civilian populations. The deadline for achieving $\geq 90\%$ vaccination coverage in Service Members is 16 December 2013.

- **ILI Activity:** Army incident ILI outpatient visits in week 43 were 19% lower than for the same week last year.
- **Influenza cases:** Two hospitalized influenza cases were reported to USAPHC in week 43; three cases have been reported to date during this influenza season for Army MTFs.
- **Viral specimens:** During week 43, 71 of 573 (12%) laboratory specimens tested were positive for respiratory pathogens. RSV accounted for 41% of positive specimens. The majority of influenza A-positive specimens were submitted by MTFs in SRMC.
- **Army Vaccination Rates:** Army (COMPO 1) compliance in week 43: USAREUR 83%, MEDCOM 80%, TRADOC 66%, USARPAC 63%, FORSCOM 57%, USARSO 37%.

Geographic Spread

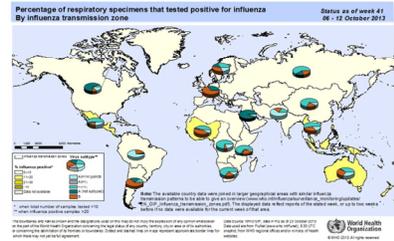


United States

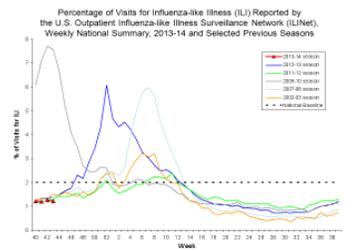
- During week 43, 30 states and Guam reported sporadic influenza activity. 4 states reported local activity, and regional activity was reported by Puerto Rico and Alabama. No influenza activity was reported by 15 states, the District of Columbia, and the U.S. Virgin Islands.

Global

- Chinese researchers developed an H7N9 avian influenza vaccine immunogenic in a ferret model; much work remains before it can be used in humans. 2 new H7N9 cases were reported in China this week.

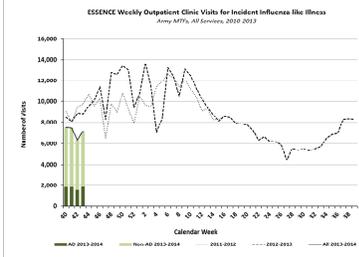


ILI Activity United States



- For week 43, 1.2% of outpatient visits reported through ILINet were due to ILI, which is below the national baseline of 2.0%.
- All 10 regions reported a proportion of outpatient visits for ILI below their specific baselines.
- The percentage of ILI outpatient visits ranged from 0.5 to 2.6% across regions.

ILI Activity Army



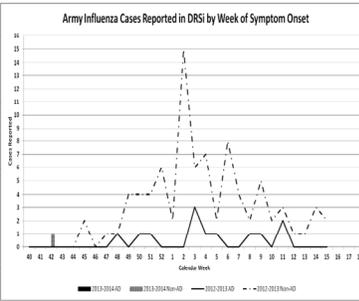
- During week 43, incident ILI activity was 19% lower than at the same time last year and 26% lower than during the 2011-2012 season.
- Active Duty (AD) Service Members (SMs) accounted for 25% of incident ILI clinic visits during week 43; in 2012-2013, AD SMs comprised 27% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Test Result	Week 40	Week 41	Week 42	Week 43	Season Total
Influenza A	9	7	9	23	48
Influenza B	1	0	2	3	6
Adenovirus	2	2	7	1	12
Enterovirus	0	0	0	0	0
Parainfluenza	6	15	17	15	53
RSV	10	12	18	29	69
Negative	404	446	409	502	1259
Total Results	432	482	462	573	1949

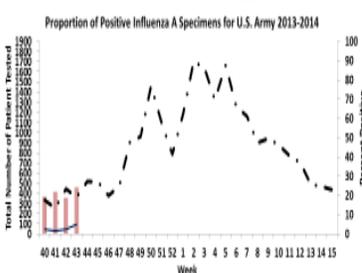
- 12% (71) of respiratory specimens were positive during week 43.
- RSV accounted for 41% of positive specimens. Influenza A accounted for 32% of positive specimens, parainfluenza for 21%, and influenza B for 4%.
- Adenovirus accounted for 1% of positive specimens.

DRSi Influenza Case Reporting



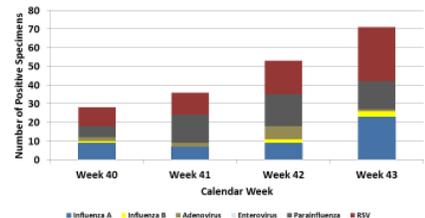
- In week 43, there were two reports of influenza-associated hospitalization, both in non-AD beneficiaries.
- Three hospitalized influenza cases have been reported since the beginning of this influenza season for Army MTFs.
- At the same time last influenza season, one hospitalized influenza case was reported.

Laboratory Testing for Influenza A



- The proportion of positive influenza A tests in week 43 (5%) increased slightly from week 42 (3%).
- 20 of the 23 (87%) positive influenza A specimens in week 43 were from non-AD personnel.
- 14 (61%) of the 23 positive specimens were from SRMC. NRMC reported 4 (17%) positive influenza A specimens, and PRMC reported 3 (13%).
- ERMC and WRMC reported one positive influenza A specimen each.

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

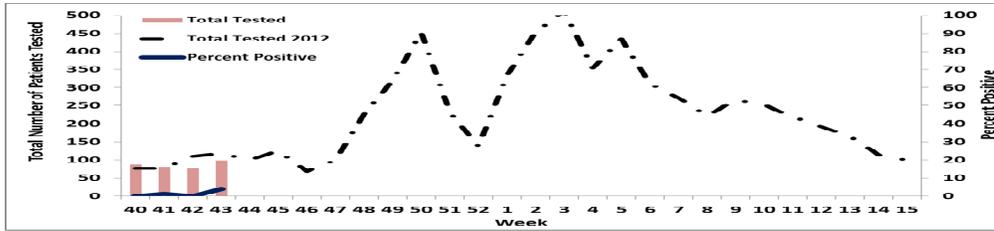
Questions?

Email USAPHC-DEP
410-417-3774

U.S. Army Influenza Activity Report

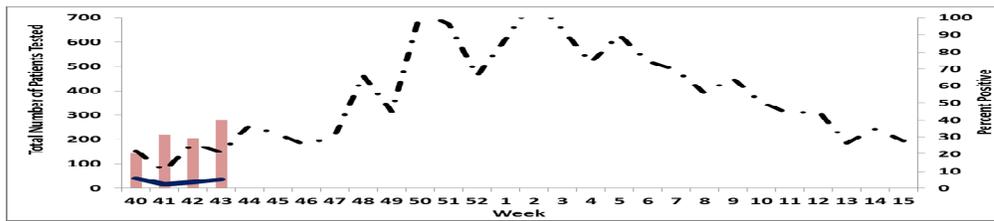
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2013-14 as Compared to 2012-2013

Northern Regional Medical Command (NRMC)



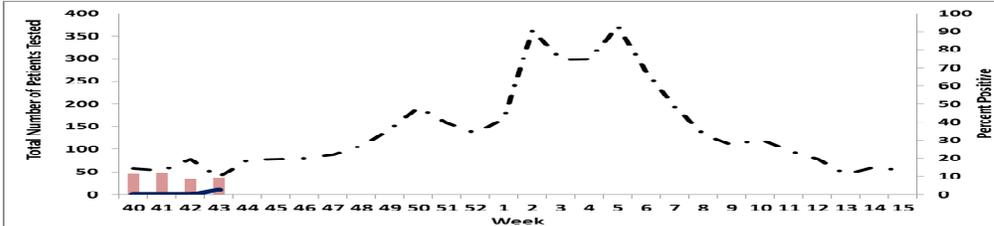
Week 43			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	1
18-29	1	0	1
30-39	0	0	0
40-49	0	1	1
50-59	0	0	0
60+	0	2	2
Total	1	3	5

Southern Regional Medical Command (SRMC)



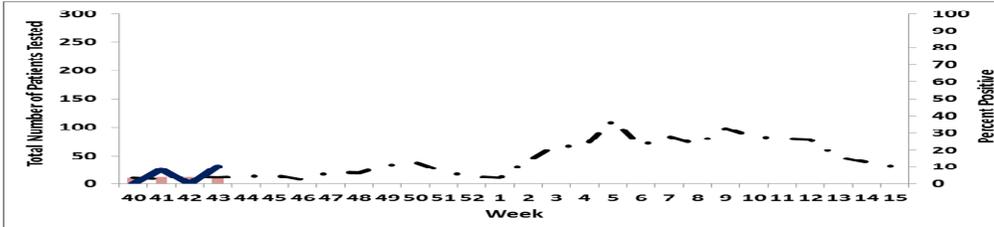
Week 43			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	7	17
18-29	2	0	4
30-39	0	1	6
40-49	0	1	2
50-59	0	1	1
60+	0	2	3
Total	2	12	33

Western Regional Medical Command (WRMC)



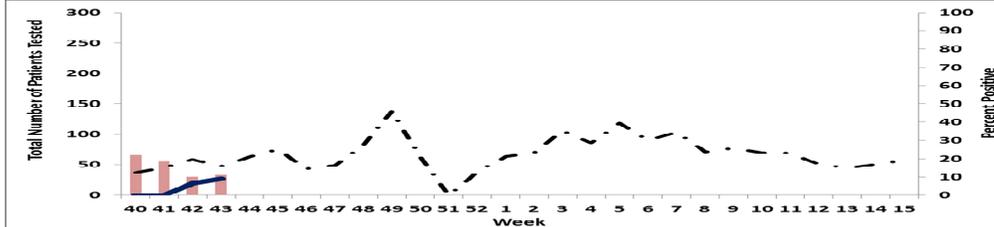
Week 43			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	0
18-29	0	0	0
30-39	0	1	1
40-49	0	0	0
50-59	0	0	0
60+	0	0	0
Total	0	1	1

European Regional Medical Command (ERMC)



Week 43			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	0
18-29	0	0	0
30-39	0	0	1
40-49	0	1	1
50-59	0	0	0
60+	0	0	0
Total	0	1	0

Pacific Regional Medical Command (PRMC)

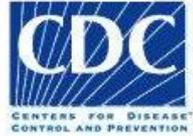


Week 43			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	1
18-29	0	1	2
30-39	0	0	0
40-49	0	0	0
50-59	0	0	0
60+	0	1	2
Total	0	3	5

Region	Week 40		Week 41		Week 42		Week 43		Week 44		Week 45		Week 46		Week 47	
	AD	Non-AD														
NRMC	0	0	0	1	0	0	1	3								
SRMC	0	9	1	4	1	6	2	12								
WRMC	0	0	0	0	0	0	0	1								
ERMC	0	0	1	0	0	0	0	1								
PRMC	0	0	0	0	0	2	0	3								
CENTCOM	0	0	0	0	0	0	0	0								

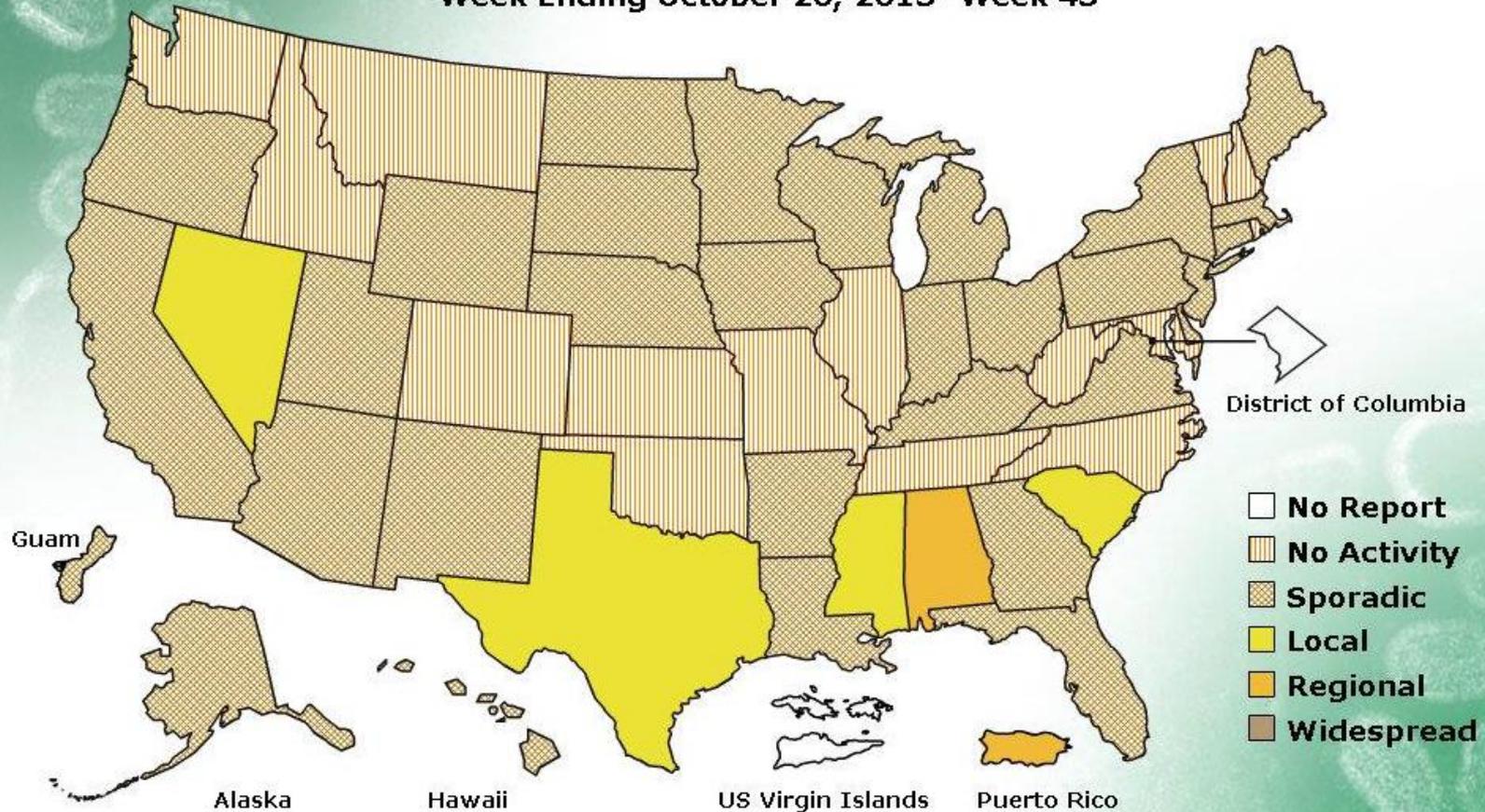
Locations providing week 43 laboratory data as of 30 October 2013: Korea, Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Irwin, Ft Jackson, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam 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*

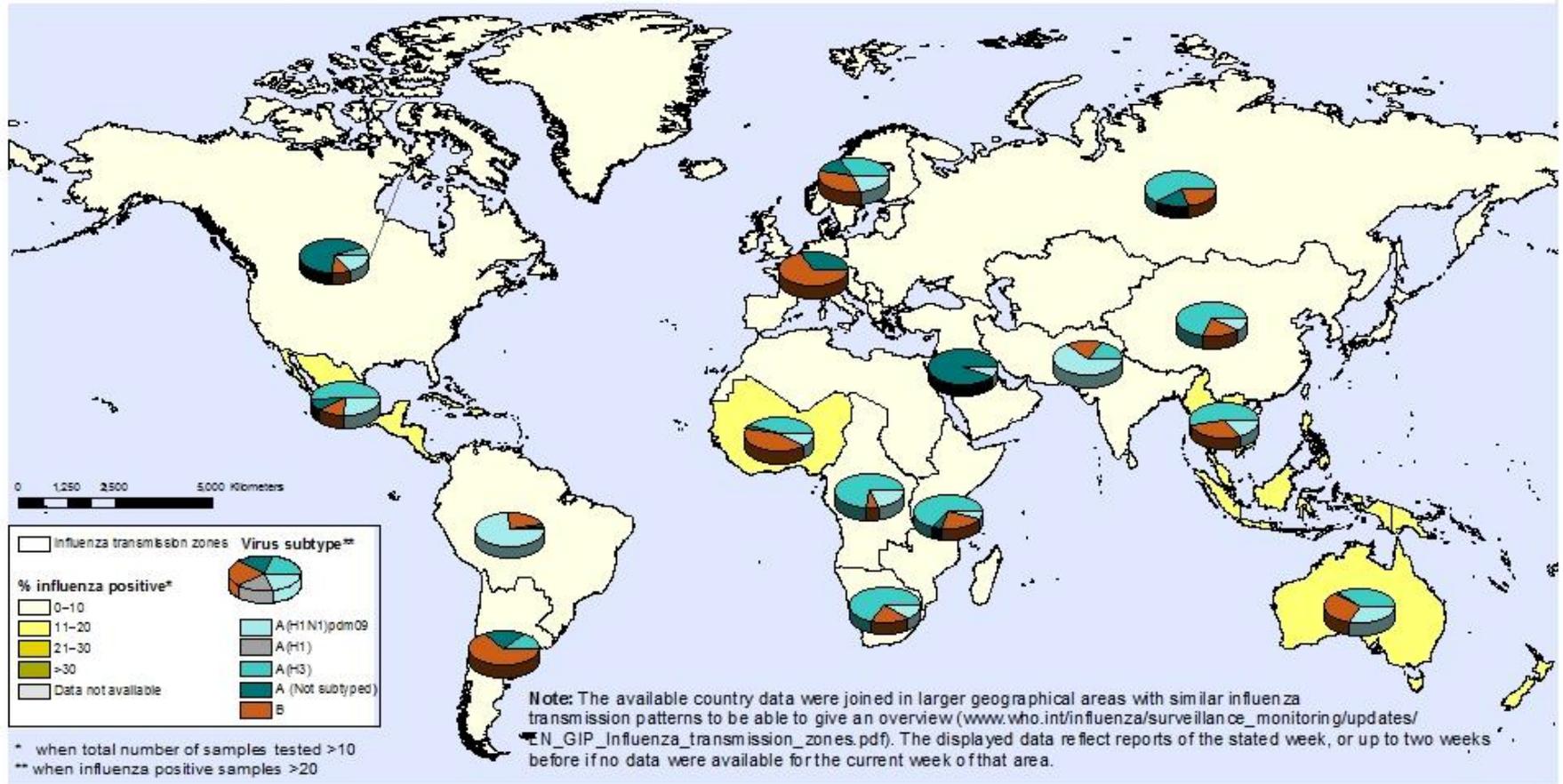
Week Ending October 26, 2013- Week 43



*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 41
06 - 12 October 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.

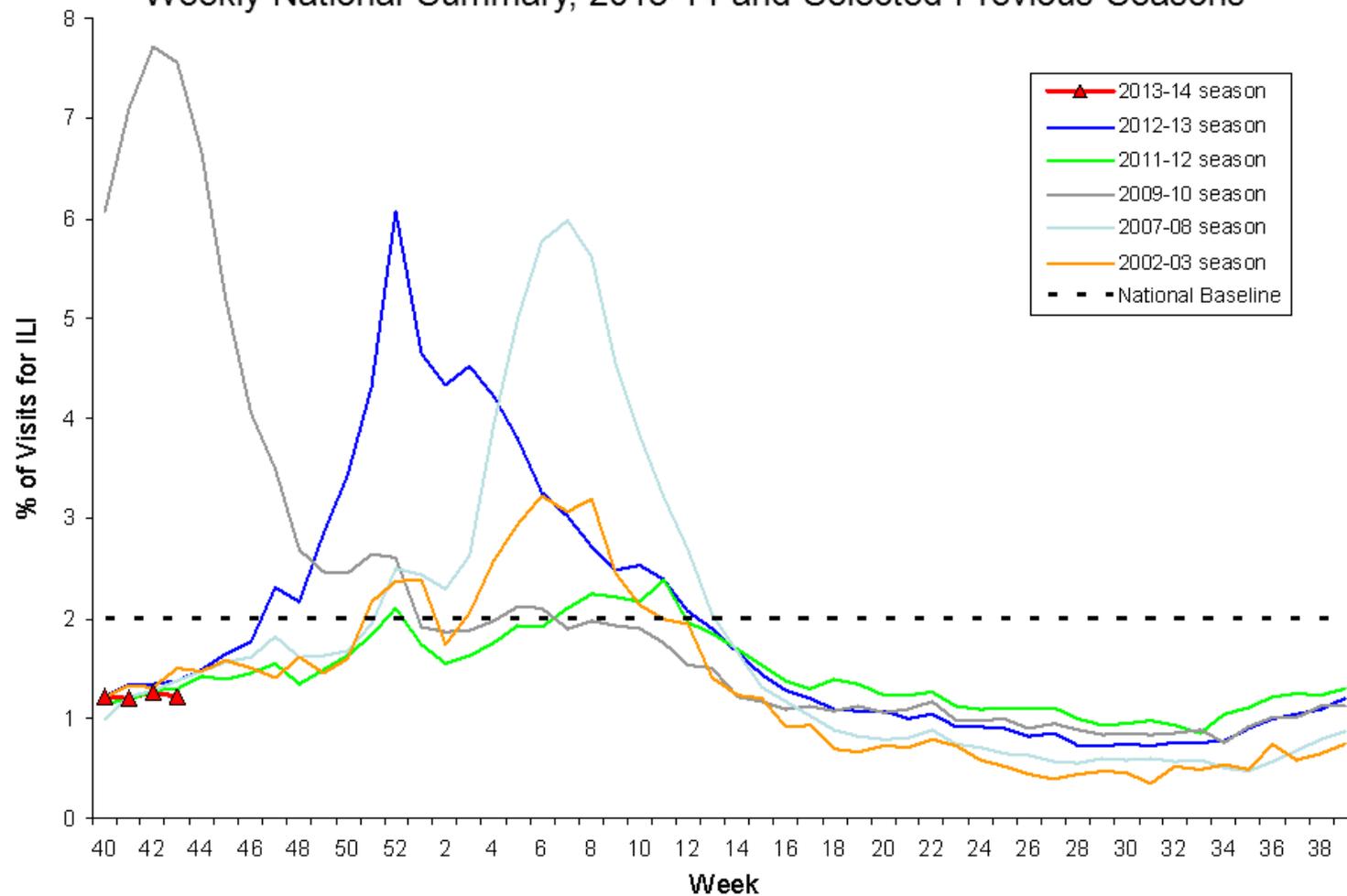
Data Source: WHO/GIP, data in HQ as of 23 October 2013
Data used are from FluNet (www.who.int/flu-net), 8:30 UTC snapshot, from WHO regional offices and/or ministry of health websites.



http://www.who.int/influenza/gisrs_laboratory/updates/summaryreport/en/index.html

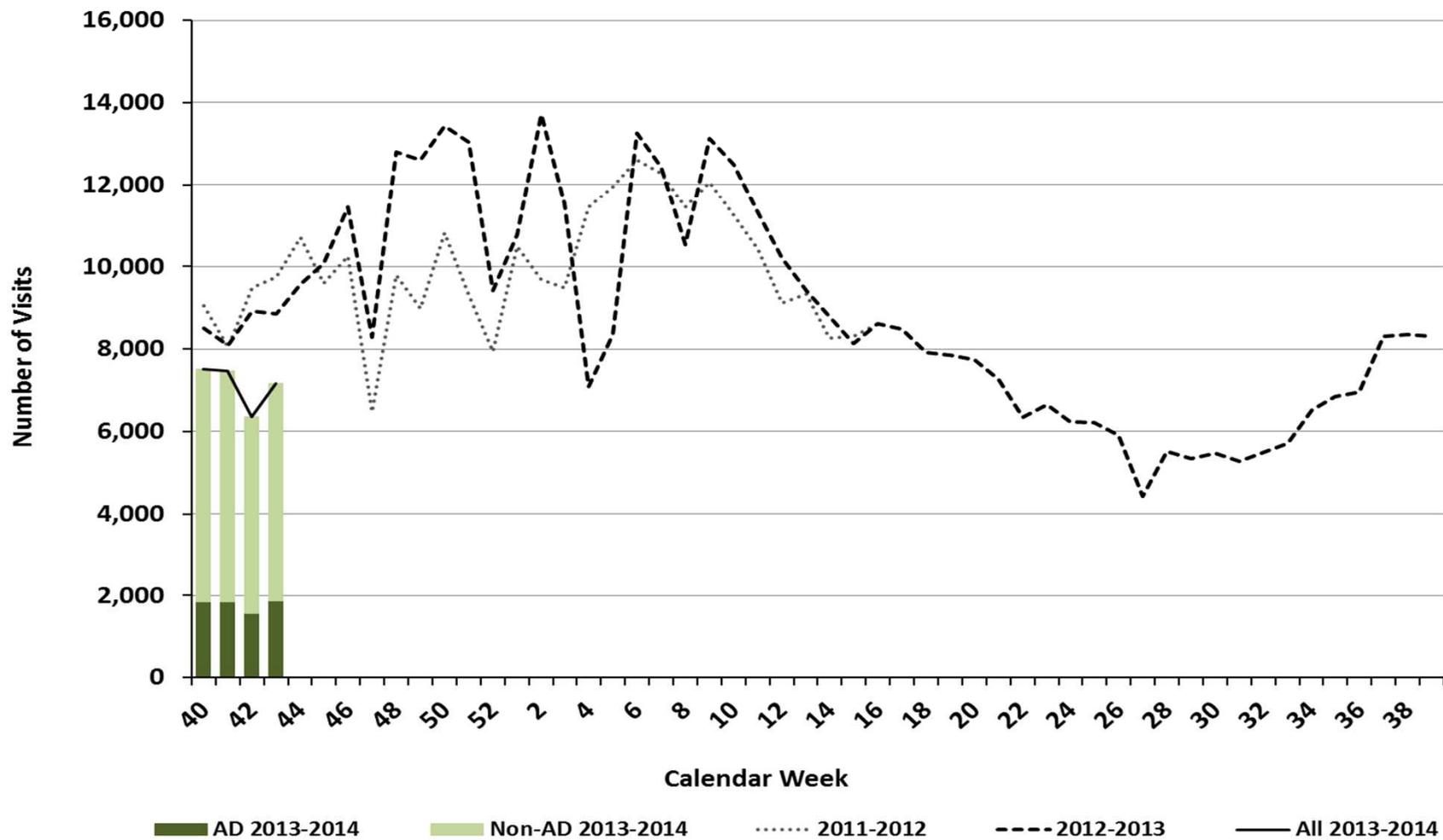
http://www.who.int/influenza/surveillance_monitoring/updates/latest_update_GIP_surveillance/en/index.html

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



ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

Army MTFs, All Services, 2010-2013



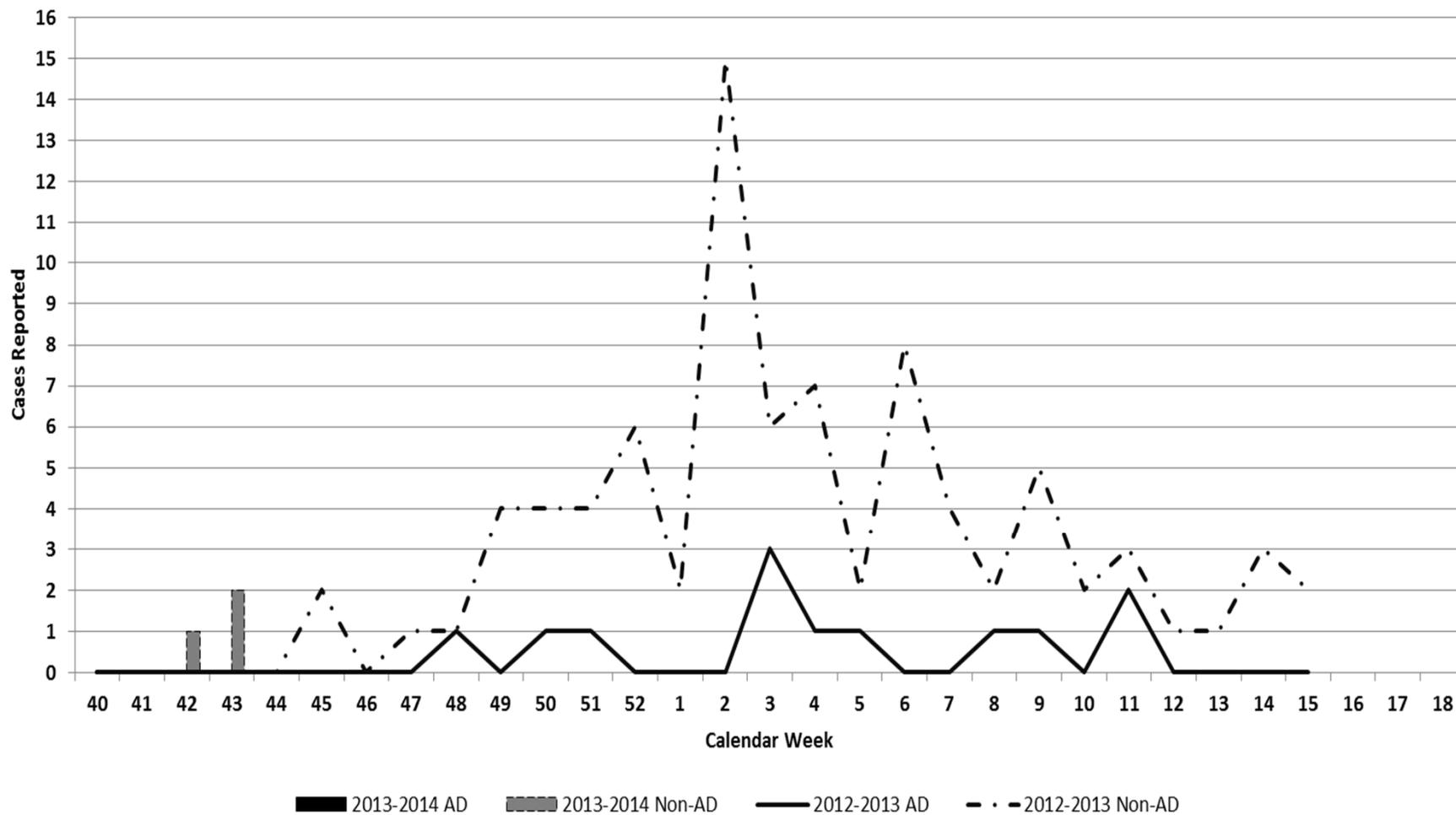
Clinic visits for ILI are obtained from ESSENCE. Data as of 31 October 2013.

Army MTF Laboratory Results, 2013-14

Test Result	Week 40	Week 41	Week 42	Week 43	Season Total
Influenza A	9	7	9	23	48
Influenza B	1	0	2	3	6
Adenovirus	2	2	7	1	12
Enterovirus	0	0	0	0	0
Parainfluenza	6	15	17	15	53
RSV	10	12	18	29	69
<i>Negative</i>	<i>404</i>	<i>446</i>	<i>409</i>	<i>502</i>	1259
Total Results	432	482	462	573	1949

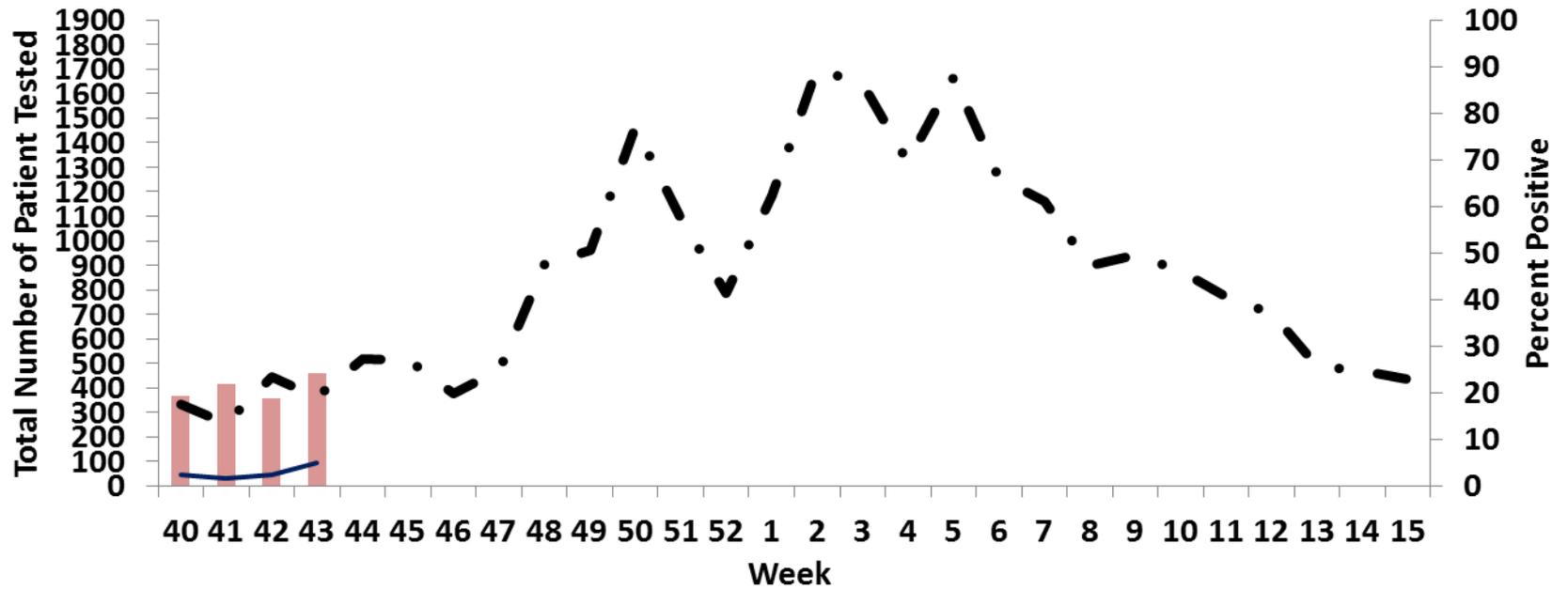


Army Influenza Cases Reported in DRSi by Week of Symptom Onset



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 30 October 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

