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U.S. Army Influenza Activity Report

Week Ending 30 November 2013 (Week 48)

2013-2014 Seasonal Influenza Vaccination Coverage

As of 03 DEC 2013

82%	DOD
91%	Army Active Duty
69%	Army Guard
54%	Army Reserve

SYNOPSIS: Influenza-like illness (ILI) activity continues to increase slightly in both Army and civilian populations, with influenza A activity steadily increasing nationwide.

- **ILI Activity:** Army incident ILI outpatient visits in week 48 were 56% lower than for the same week last year, likely due to the Thanksgiving holiday period.
- **Influenza cases:** One hospitalized influenza case was reported to USAPHC in week 48. To date, 9 cases have been reported during this influenza season: 2 in AD SMs and 7 in non-AD beneficiaries.
- **Viral specimens:** During week 48, 126 of 639 (20%) laboratory specimens tested were positive for respiratory pathogens. For the first time since week 44, the majority of respiratory specimens were positive for RSV (47%). Influenza A accounted for 37%. 86% of influenza A specimens were submitted by SRMC.
- **Army Vaccination Rates:** Army (COMPO 1) compliance in week 48: USAREUR 99%, MEDCOM 97%, TRADOC 91%, USARPAC 94%, FORSCOM 94%, USARSO 76%.

Geographic Spread

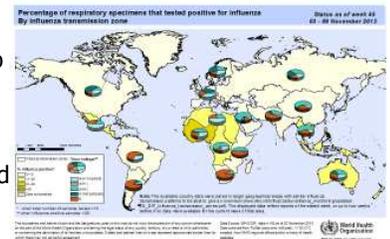


United States

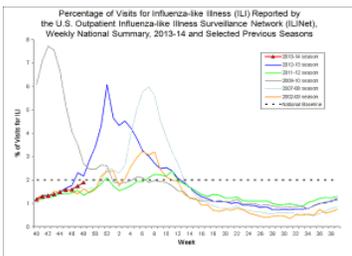
- During week 48, 27 states, Puerto Rico, DC, and Guam reported sporadic influenza activity. Vermont and the US Virgin Islands reported no influenza activity, while 22 states reported local or regional activity.

Global

- Countries from the European Region continued to report low levels of influenza activity. In Asia, influenza transmission was slightly increased in northern compared to southern areas. RSV activity predominates in some Central and South American countries.

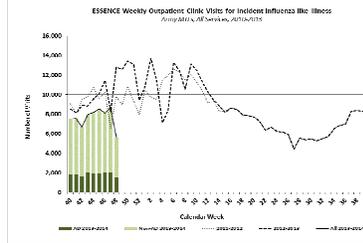


ILI Activity United States



- For week 48, 1.9% of outpatient visits reported through ILINet were due to ILI, which is below the national baseline of 2.0%.
- The percentage of ILI outpatient visits ranged from 0.9 to 4.4% across regions.

ILI Activity Army



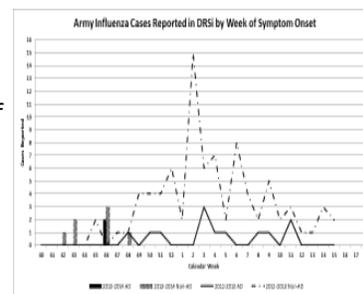
- During week 48, incident ILI activity was 56% lower than at the same time last year and 43% lower than during the 2011-2012 season.
- Active Duty (AD) Service Members (SMs) accounted for 27% of incident ILI clinic visits during week 48; in 2012-2013, AD SMs comprised 26% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Test Result	Week 45	Week 46	Week 47	Week 48	Season Total
Influenza A	43	47	56	47	264
Influenza B	3	4	1	3	18
Adenovirus	15	10	7	8	59
Enterovirus	1	1	0	0	2
Parainfluenza	18	14	17	9	144
RSV	35	34	47	59	266
Negative	491	481	628	513	4224
Total Results	606	591	756	639	2592

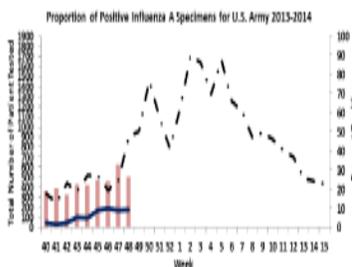
- 20% (126) of respiratory specimens were positive during week 48.
- Influenza A accounted for 37% of positive specimens. RSV accounted for 47% of positive specimens, parainfluenza for 7%, and adenovirus for 6%.
- Influenza B accounted for 2% of positive specimens.

DRSi Influenza Case Reporting

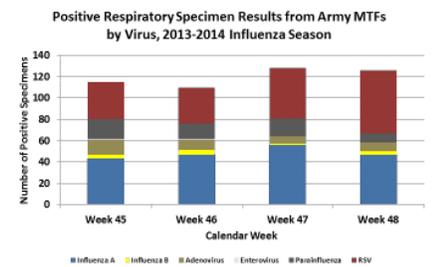


- In week 48, there was one report of influenza-associated hospitalization in a non-AD beneficiary.
- Nine hospitalized influenza cases have been reported since the beginning of this influenza season.
- At the same time last influenza season, five hospitalized influenza cases had been reported.

Laboratory Testing for Influenza A



- The proportion of positive influenza A tests in week 48 (9%) remained steady from week 47 (9%).
- 44 of the 47 (93%) positive influenza A specimens in week 48 were from non-AD personnel.
- 38 (81%) of the 47 positive specimens were from SRMC. WRMC reported 4 (9%) positive influenza A specimens, and PRMC reported 3 (6.3%). ERMC and CENTCOM reported 1 case each (2%).
- NRMC did not report any 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?

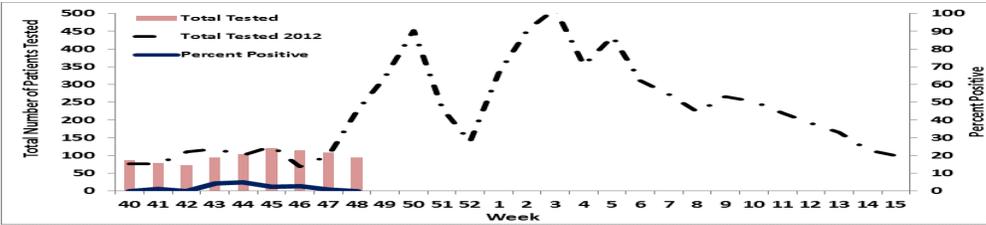
Email USAPHC-DEP
410-417-3774



U.S. Army Influenza Activity Report

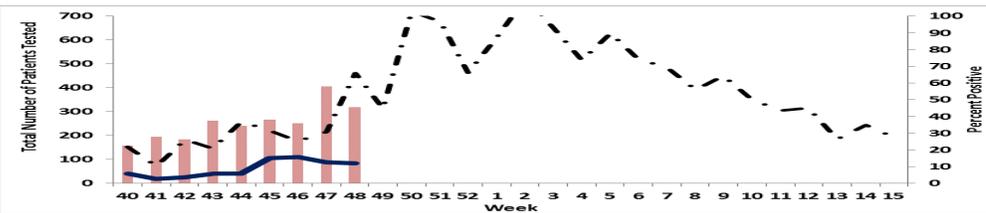
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2013-14 as Compared to 2012-2013

Northern Regional Medical Command (NRMC)



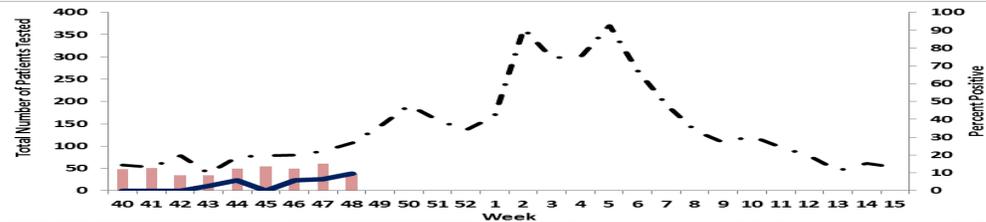
Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	7
18-29	0	0	3
30-39	0	0	0
40-49	0	0	3
50-59	0	0	0
60+	0	0	4
Total	0	0	17

Southern Regional Medical Command (SRMC)



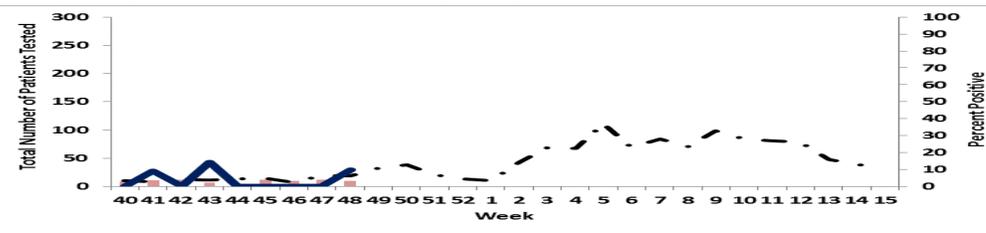
Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	22	120
18-29	2	6	32
30-39	0	2	23
40-49	0	1	13
50-59	0	2	14
60+	0	3	17
Total	2	36	219

Western Regional Medical Command (WRMC)



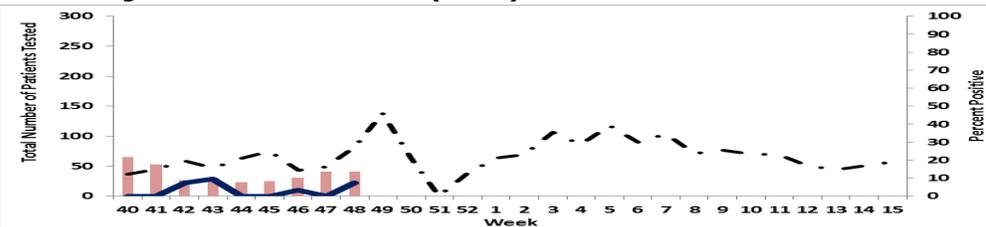
Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	2	6
18-29	1	0	5
30-39	0	1	2
40-49	0	0	0
50-59	0	0	0
60+	0	0	2
Total	1	3	15

Europe Regional Medical Command (ERMC)



Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	0
18-29	0	0	0
30-39	0	1	2
40-49	0	0	1
50-59	0	0	0
60+	0	0	0
Total	0	1	3

Pacific Regional Medical Command (PRMC)



Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	2	4
18-29	0	0	2
30-39	0	1	1
40-49	0	0	0
50-59	0	0	0
60+	0	0	2
Total	0	3	9

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	1	0	0	1	3	1	4	1	2	2	1	0	1	0	0
SRMC	3	2	1	6	3	12	2	12	8	32	5	35	3	48	2	36
WRMC	0	0	0	0	0	1	1	2	0	0	1	2	0	4	1	3
ERMC	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
PRMC	0	0	0	2	0	3	0	0	0	0	0	1	0	0	0	3
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

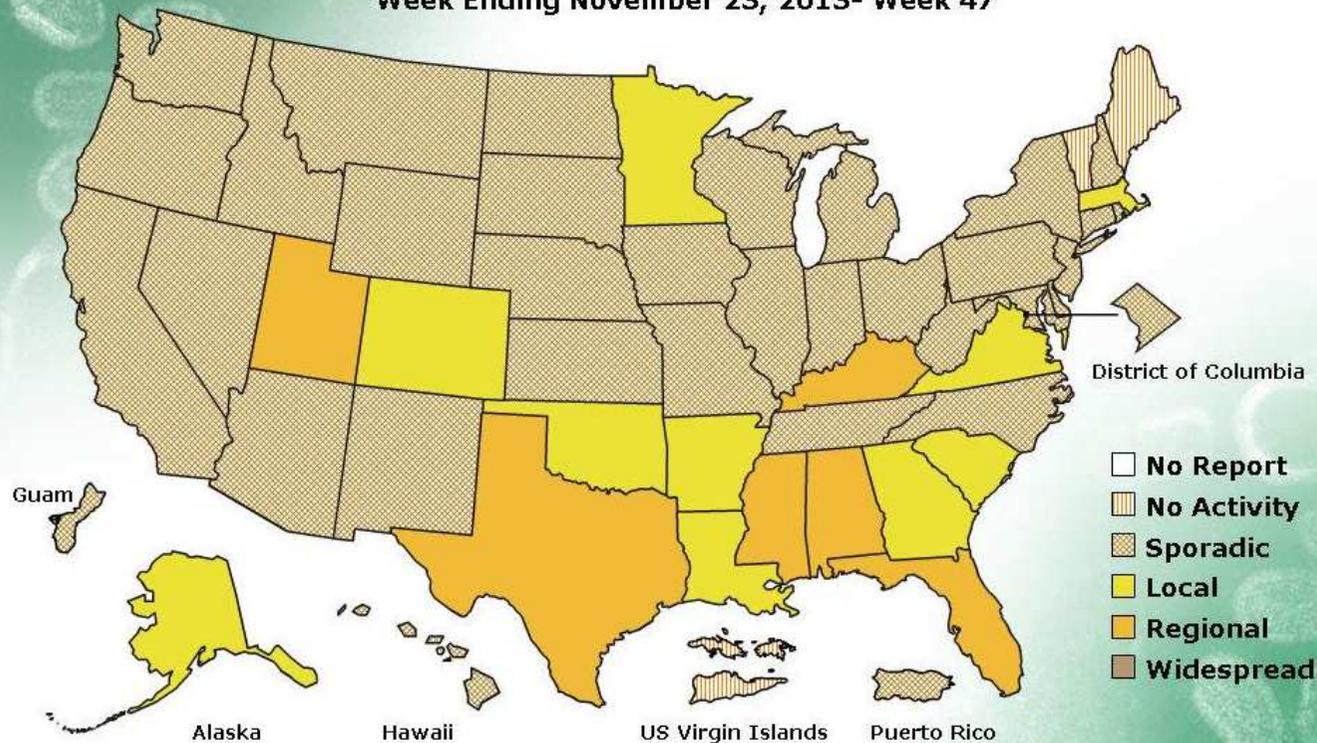
Locations providing week 46 laboratory data as of 3 December 2013: Korea, Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Irwin, Ft Jackson, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, 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*

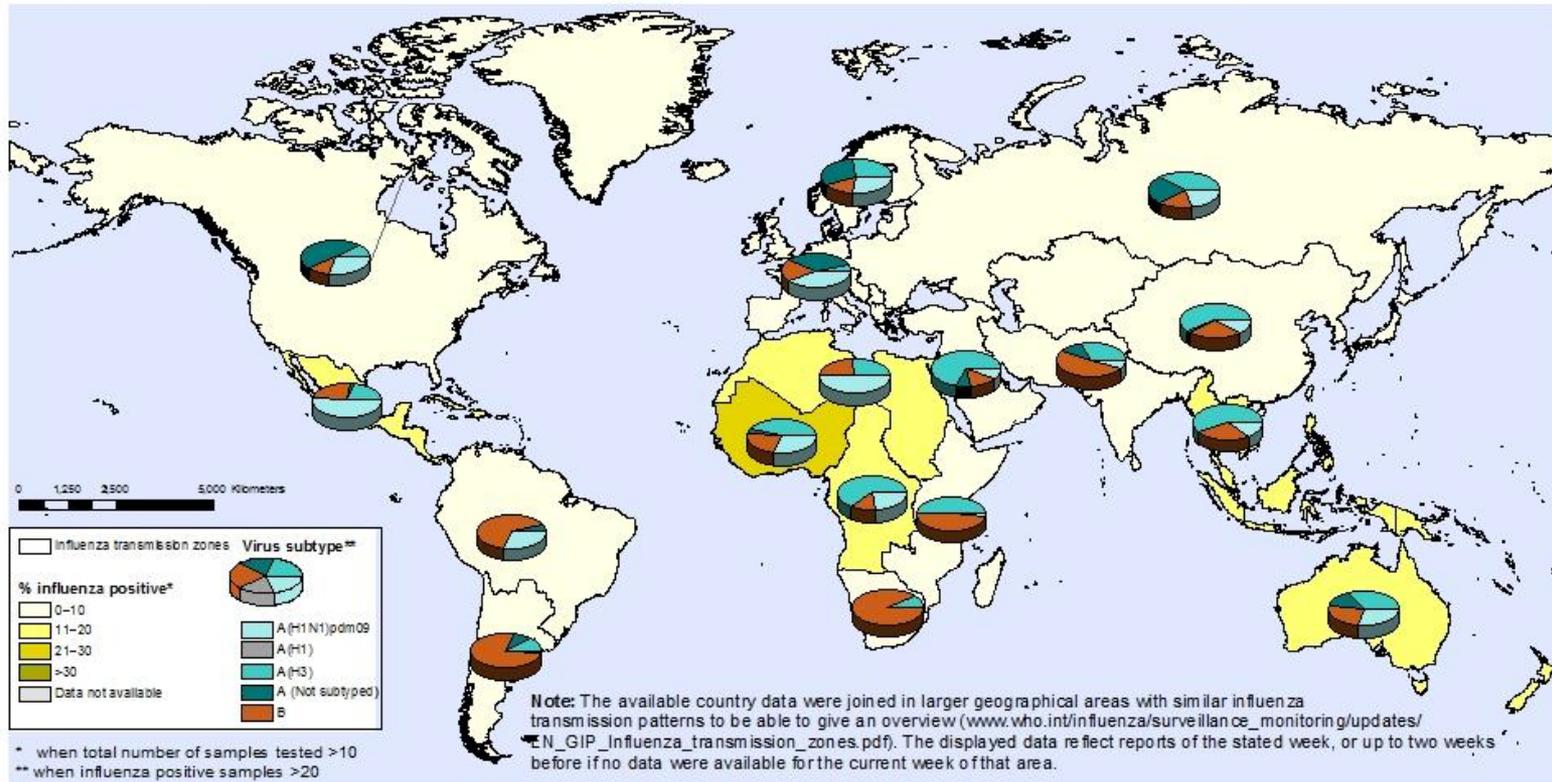
Week Ending November 23, 2013- Week 47



*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
03 - 09 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.

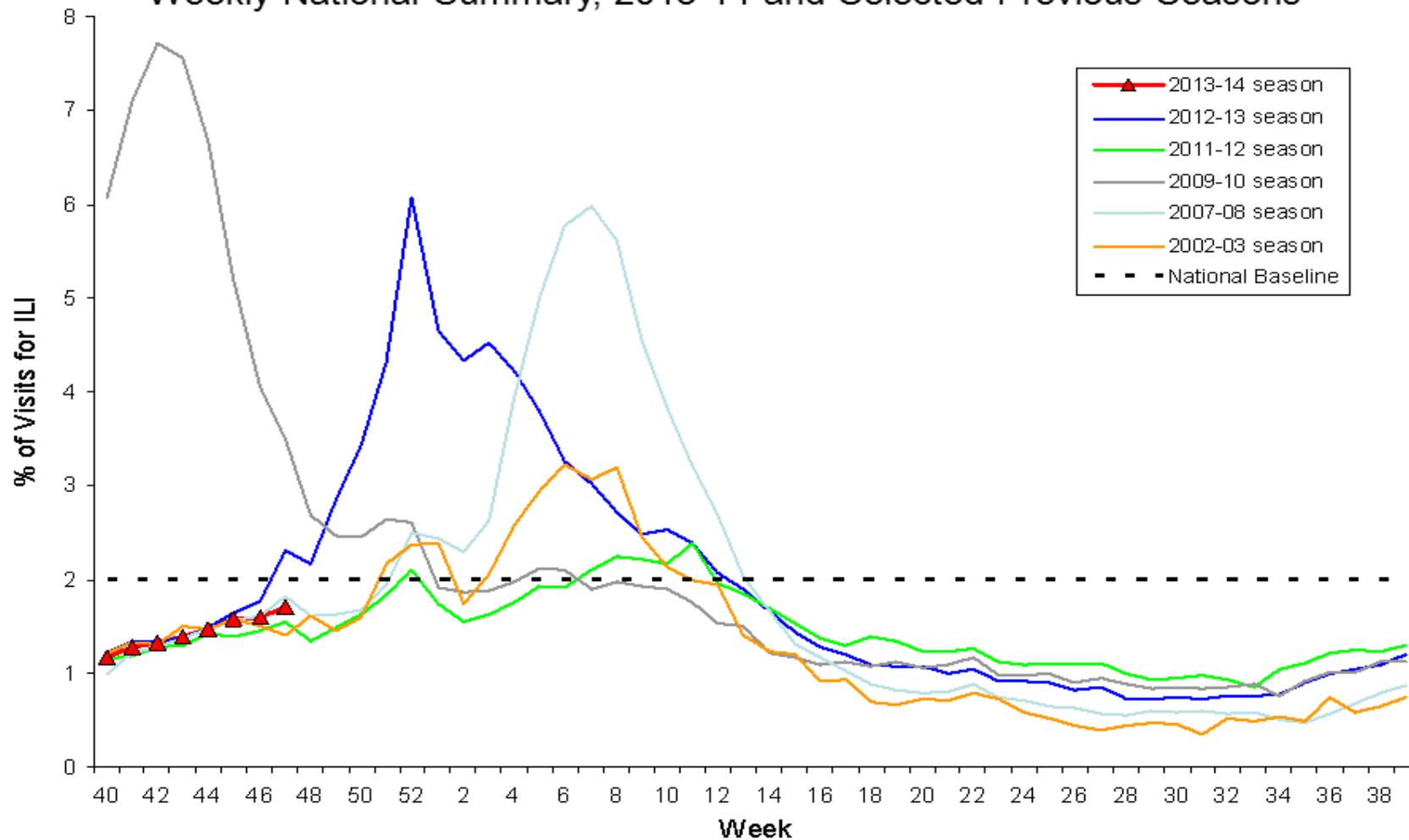
Data Source: WHO/GIP, data in HQ as of 20 November 2013. Data used are from FluNet (www.who.int/flu-net), 11:30 UTC snapshot, from WHO regional offices and/or ministry of health websites.



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

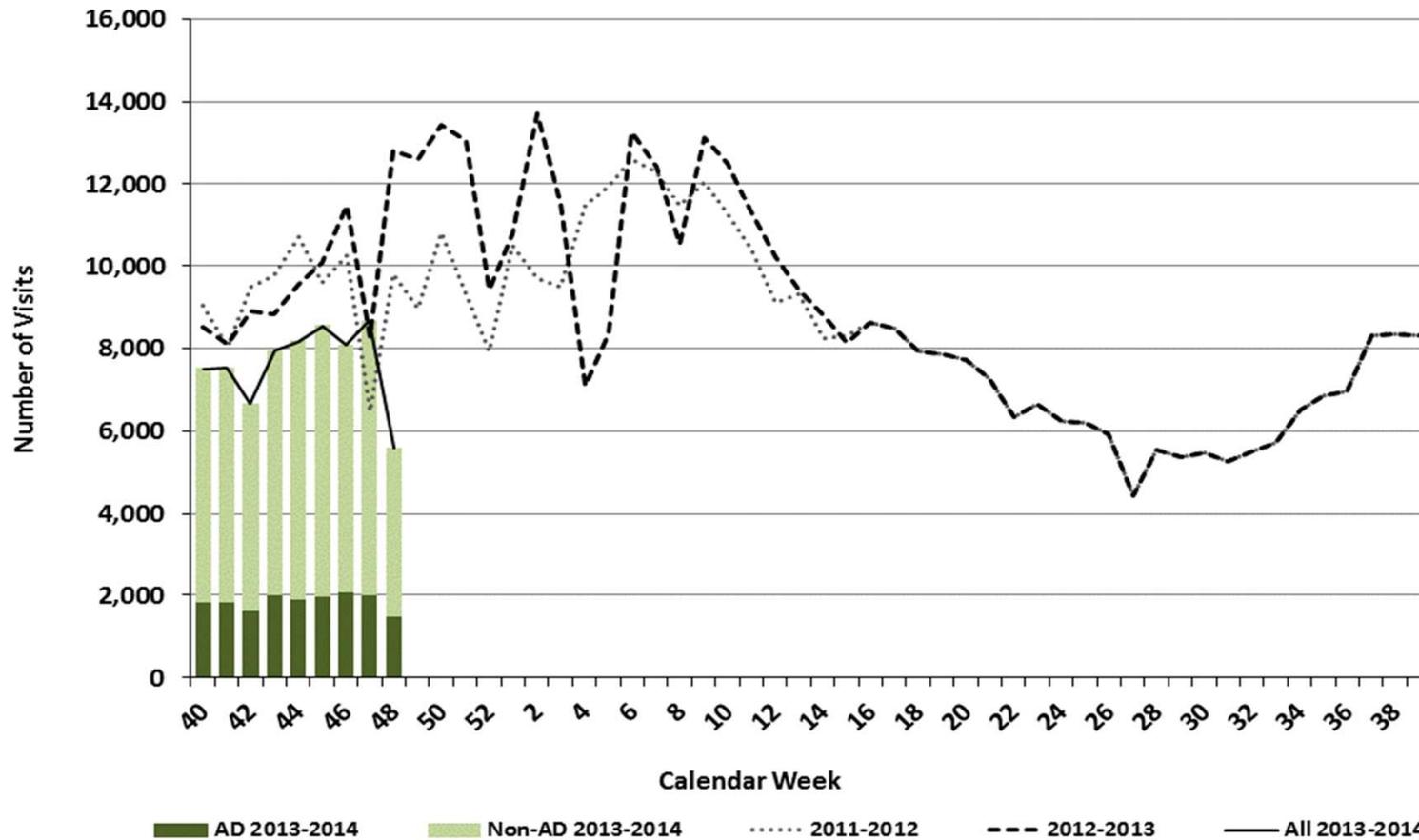
http://www.who.int/influenza/surveillance_monitoring/updates/latest_update_GIP_surveillance/en/index.html

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



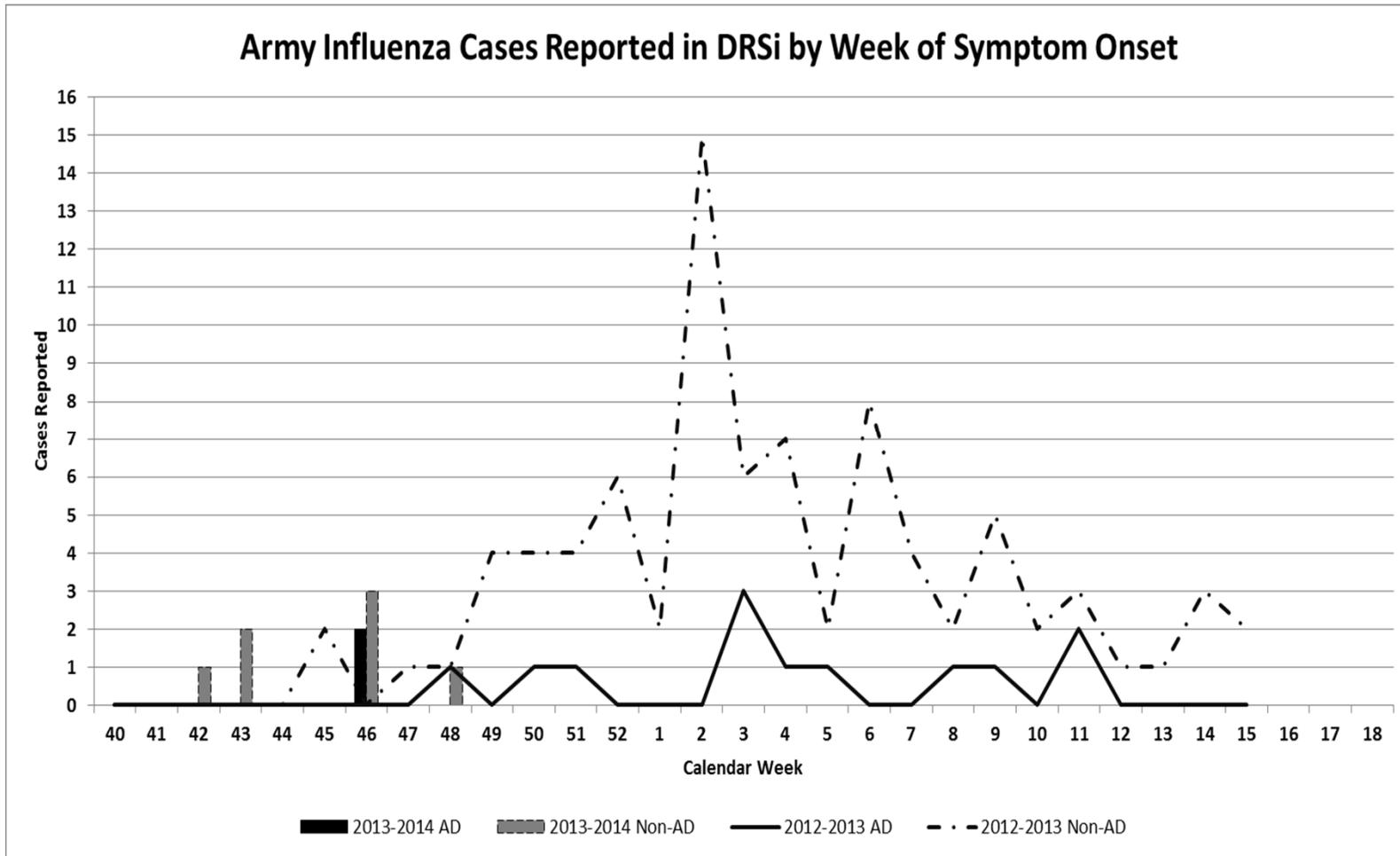
Clinic visits for ILI are obtained from ESSENCE. Data as of 3 December 2013.

Army MTF Laboratory Results, 2013-14

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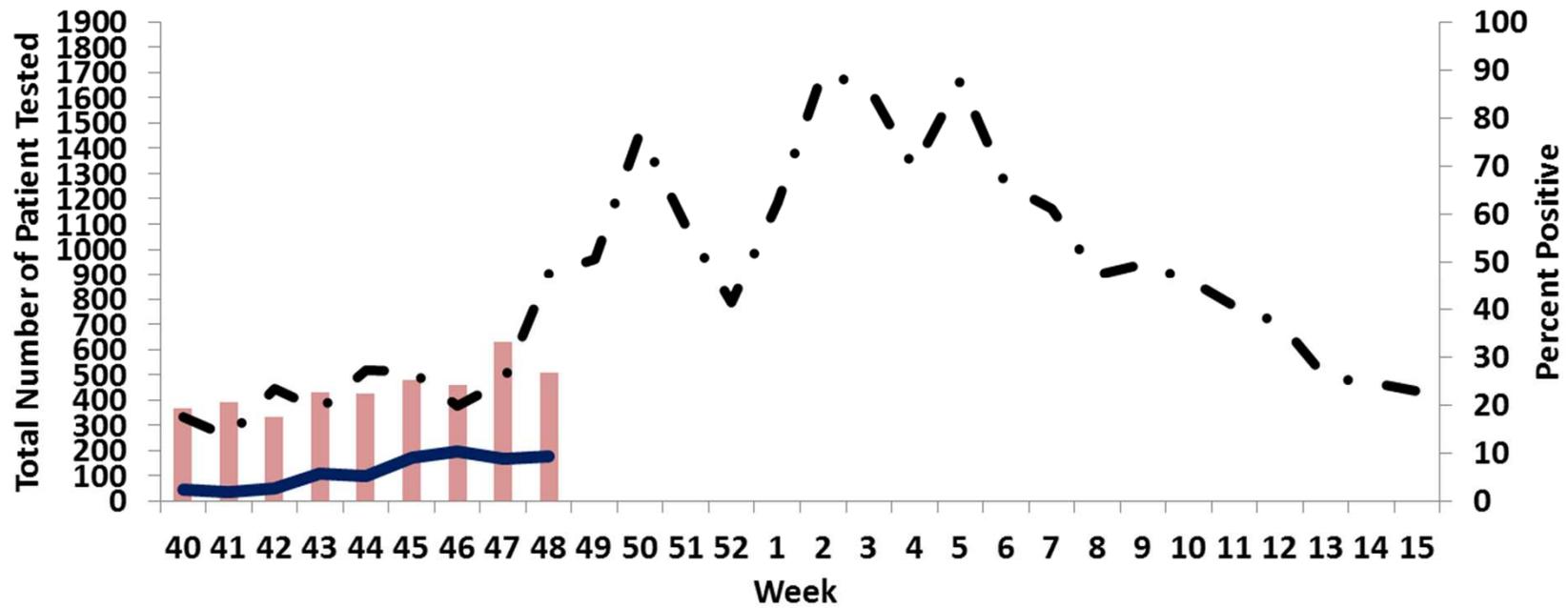


Army Influenza Cases Reported in DRSi by Week of Symptom Onset



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 3 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

