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U.S. Army Influenza Activity Report

Week Ending 28 November 2015 (Week 47)

2015-2016 Seasonal Influenza Vaccination Coverage

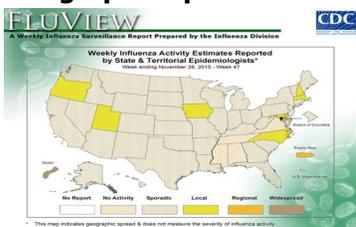
As of 3 December 2015

82%	DOD
87%	Army Active Duty
82%	Army Guard
69%	Army Reserve

SYNOPSIS: Respiratory syncytial virus (RSV) continues to be the most reported positive laboratory respiratory specimen among MTFs.

- **ILI Activity:** Army incident ILI outpatient visits in week 47 were 33% lower than the same week last year.
- **Influenza cases:** No hospitalized influenza cases were reported to APHC(P) through DRSi in week 47 but 2 has been reported in week 46. Four hospitalized cases have been reported to date this season.
- **Viral specimens:** During week 47, 107 of 651 (16%) laboratory specimens tested positive for respiratory pathogens. RHC-C reported the most influenza A-positive specimens (3), followed by RHC-A (1) and RHC-P (1). No other regions reported any influenza positive specimens.

Geographic Spread

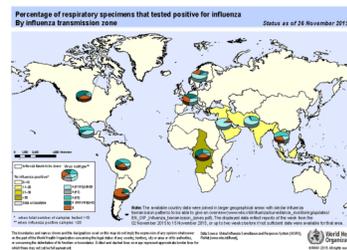


United States

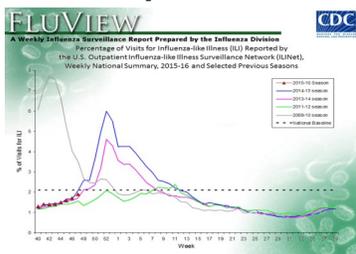
- In week 47, widespread and regional influenza activity was reported in Guam and Puerto Rico. Seven states reported local influenza activity, while 38 states, the District of Columbia and the US Virgin Islands reported sporadic. No influenza activity was reported by five states.

World Health Organization

- In Central and Eastern Asia, Europe, North Africa and North America, influenza activity continued at low, inter-seasonal levels with sporadic detections.

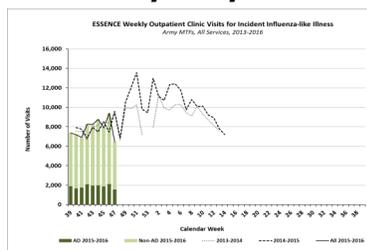


ILI Activity United States



- Nationwide during week 47, 1.9% of outpatient visits reported in ILINet were due to ILI, which is below the national baseline of 2.1%.
- The percentage of ILI outpatient visits ranged from 0.6% to 4.3% across the regions reporting.

ILI Activity Army



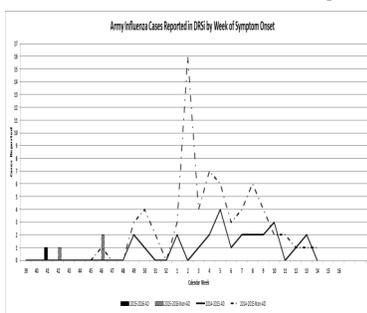
- During week 47, incident ILI activity was 33% lower than the same time last year and 31% lower than week 47 in 2013-2014.
- AD SMs accounted for 24% of incident ILI clinic visits during week 47; in 2014-2015, AD SMs comprised 25% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Test Result	Week 44	Week 45	Week 46	Week 47	Season Total
Influenza A	4	6	9	5	47
Influenza B	4	0	4	3	23
Adenovirus	9	6	16	6	57
Enterovirus	0	1	1	0	6
Parainfluenza	22	11	12	11	124
RSV	36	47	56	82	370
Negative	636	589	669	544	4718
Total Results	711	660	767	651	5345

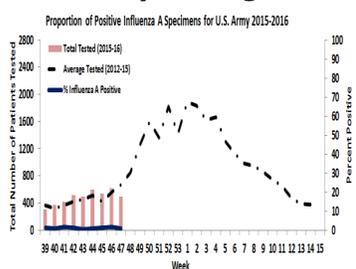
- In week 47, 16% (107) of specimens tested positive.
- Influenza A accounted for 5% of positive specimens.
- RSV accounted for 77% of positive specimens, parainfluenza for 10%, and adenovirus for 6%.
- Influenza B accounted for 3% of positive specimens.

DRSi Influenza Case Reporting



- In week 47, no cases of influenza-associated hospitalization were reported in DRSi. In week 46, 2 cases were reported in non-active duty beneficiaries.
- At the same time last influenza season, one hospitalized influenza case was reported. A total of 4 hospitalized cases have been reported to date this season.

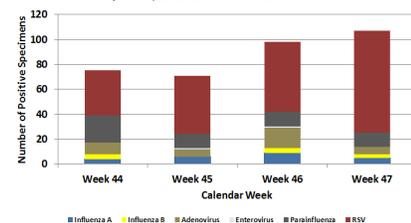
Laboratory Testing for Influenza A



- In week 47, 5 of 498 (1%) specimens tested positive for influenza A. This was a slight decrease from week 46 (1.5%). All (100%) of the positive influenza A specimens were in non-active duty personnel.
- RHC-C reported 3 (60%) of the total influenza A-positive specimens. RHC-A and RHC-P both reported 1 (20%) positive specimens. No other region (RHC-E and CENTCOM) reported any positive specimens.

*Note: MTFs previously included in WRMC are now in RHC-P for this and future reports.

Positive Respiratory Specimen Results from Army MTFs by Virus, 2015-2016 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

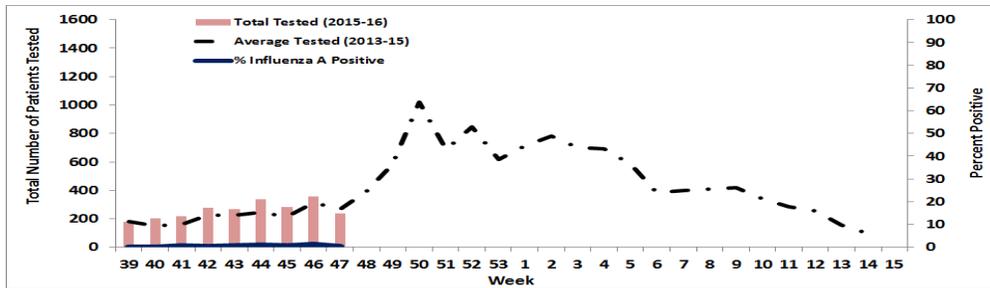
Questions?
Email APHC-DEP
 410-417-3774



U.S. Army Influenza Activity Report

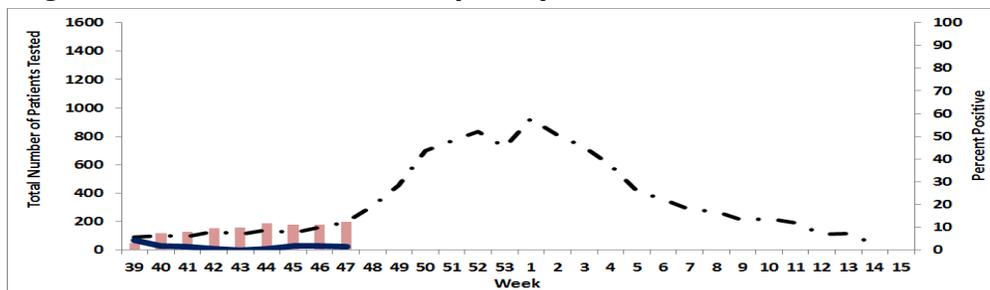
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2015-2016 as Compared to 2014-2015

Regional Health Command - Atlantic (RHC-A)



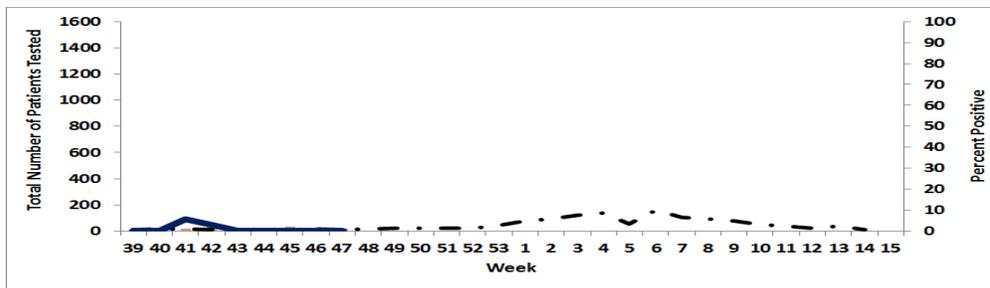
Week 47			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	8
18-29	0	0	1
30-39	0	0	1
40-49	0	0	1
50-59	0	0	1
60+	0	0	2
Total	0	1	14

Regional Health Command - Central (RHC-C)



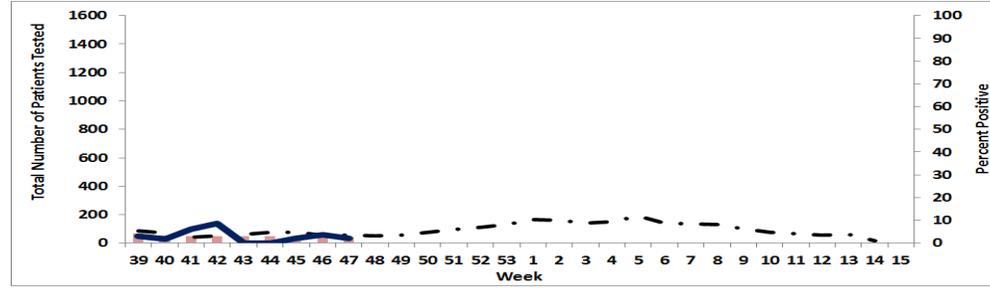
Week 47			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	3	8
18-29	0	0	4
30-39	0	0	3
40-49	0	0	2
50-59	0	0	0
60+	0	0	0
Total	0	3	17

Regional Health Command - Europe (RHC-E)



Week 47			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	2
18-29	0	0	0
30-39	0	0	0
40-49	0	0	0
50-59	0	0	0
60+	0	0	0
Total	0	0	2

Regional Health Command - Pacific (RHC-P)



Week 47			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	8
18-29	0	0	5
30-39	0	0	0
40-49	0	0	0
50-59	0	0	1
60+	0	0	0
Total	0	1	14

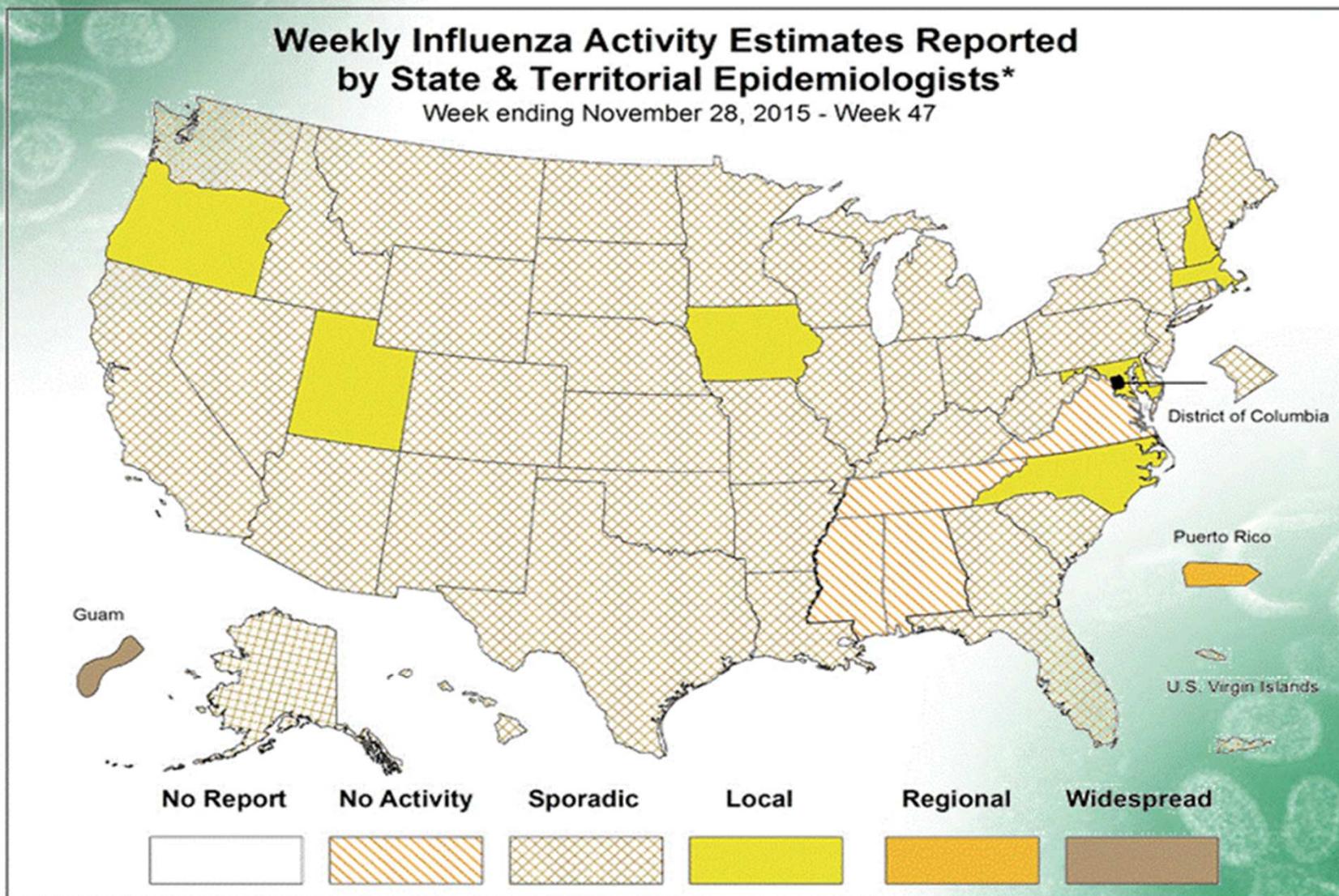
Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 40		Week 41		Week 42		Week 43		Week 44		Week 45		Week 46		Week 47	
	AD	Non-AD														
RHC-A	0	0	0	1	0	1	0	2	0	3	1	1	1	3	0	1
RHC-C	1	1	0	2	0	1	0	0	1	0	1	2	0	3	0	3
RHC-E	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
RHC-P	0	1	0	3	1	3	0	0	0	0	0	1	0	2	0	1
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Locations providing week 47 laboratory data as of 2 December 2015: Korea, Ft Belvoir (NCR), Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Huachuca, Ft Irwin, Ft Jackson, Ft Knox, 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, West Point, and Walter Reed.

FLUVIEW

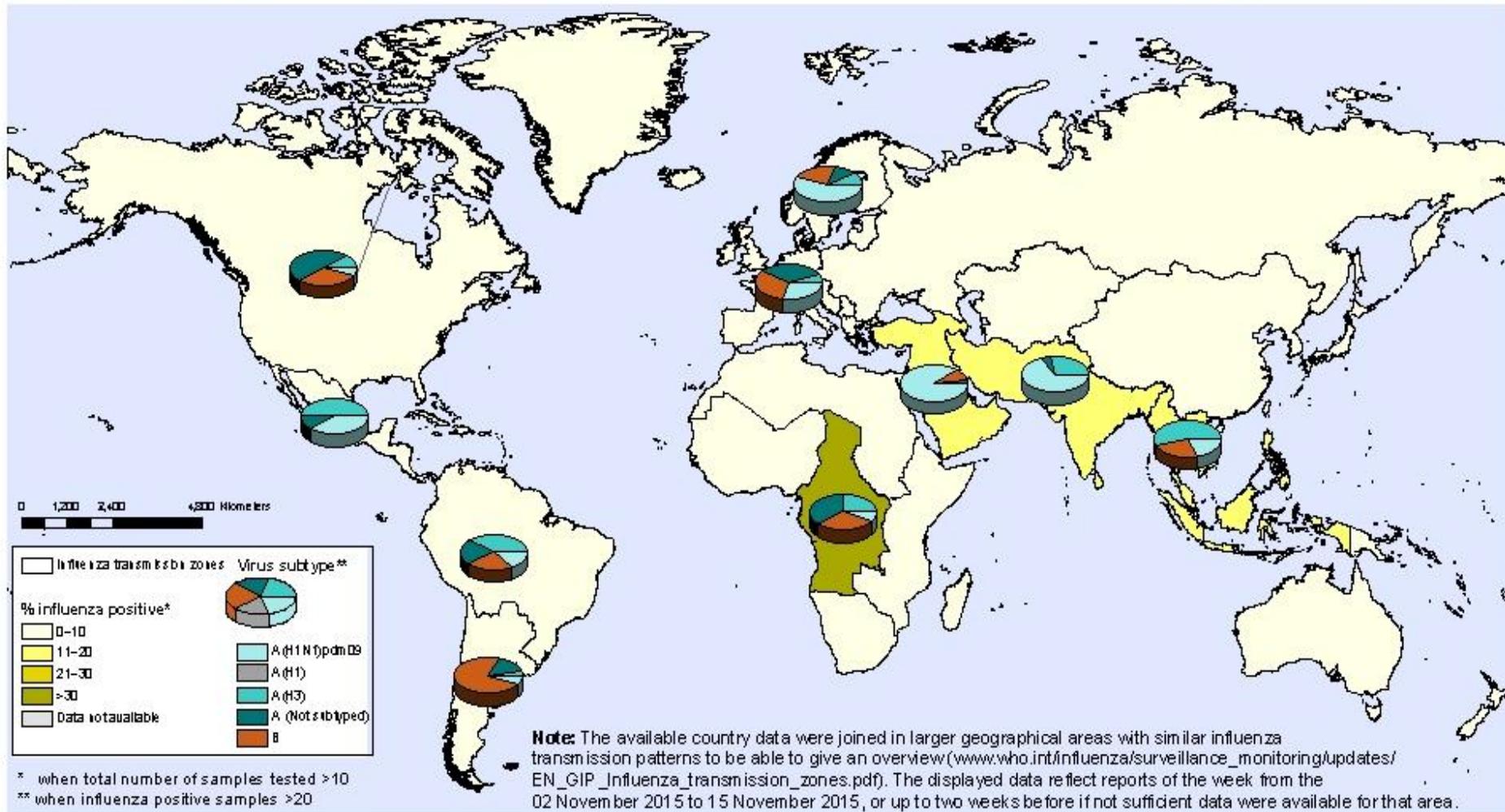
A Weekly Influenza Surveillance Report Prepared by the Influenza Division



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

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

Status as of 26 November 2015



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: Global Influenza Surveillance and Response System (GISRS), FluNet (www.who.int/flu-net).



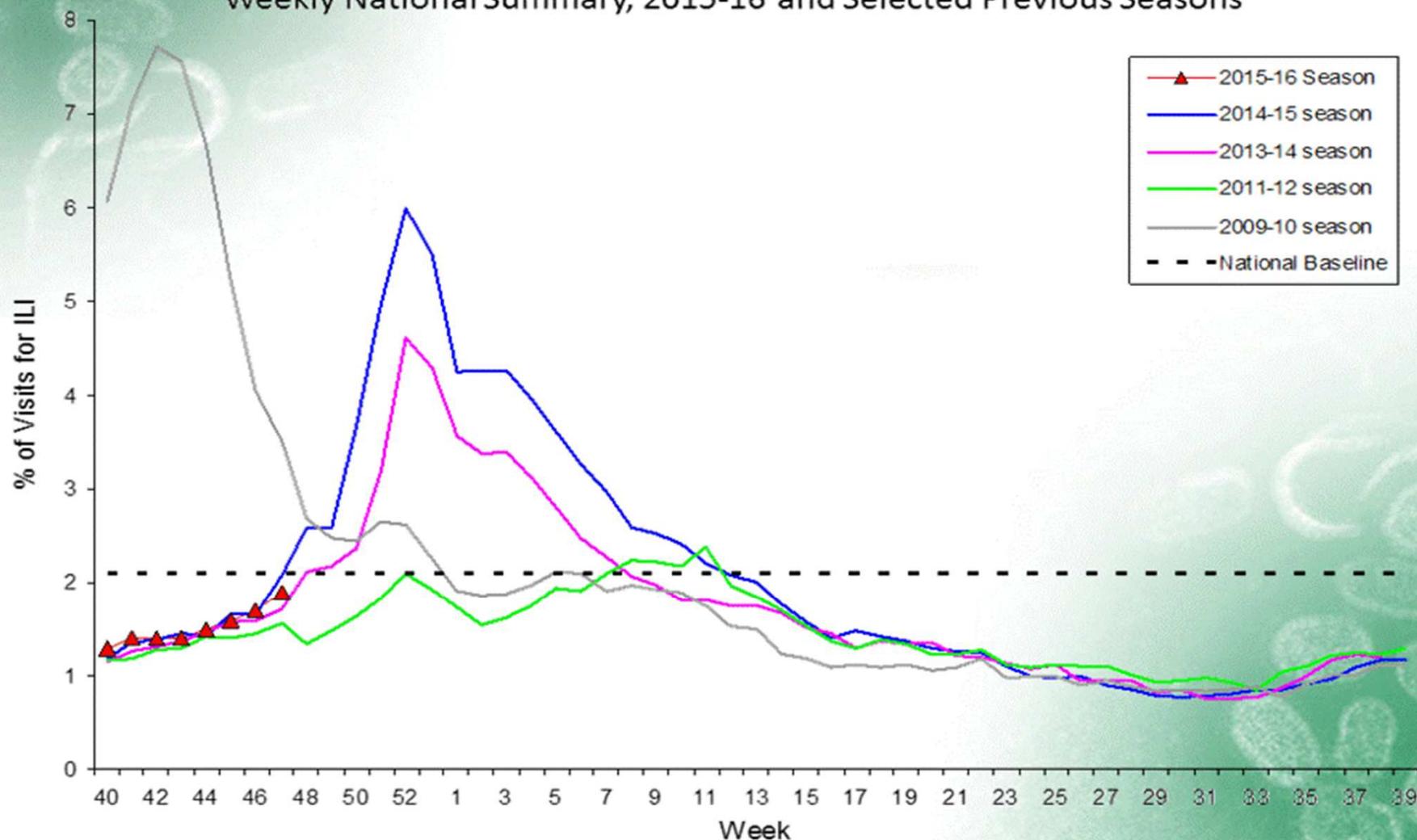
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FLUVIEW



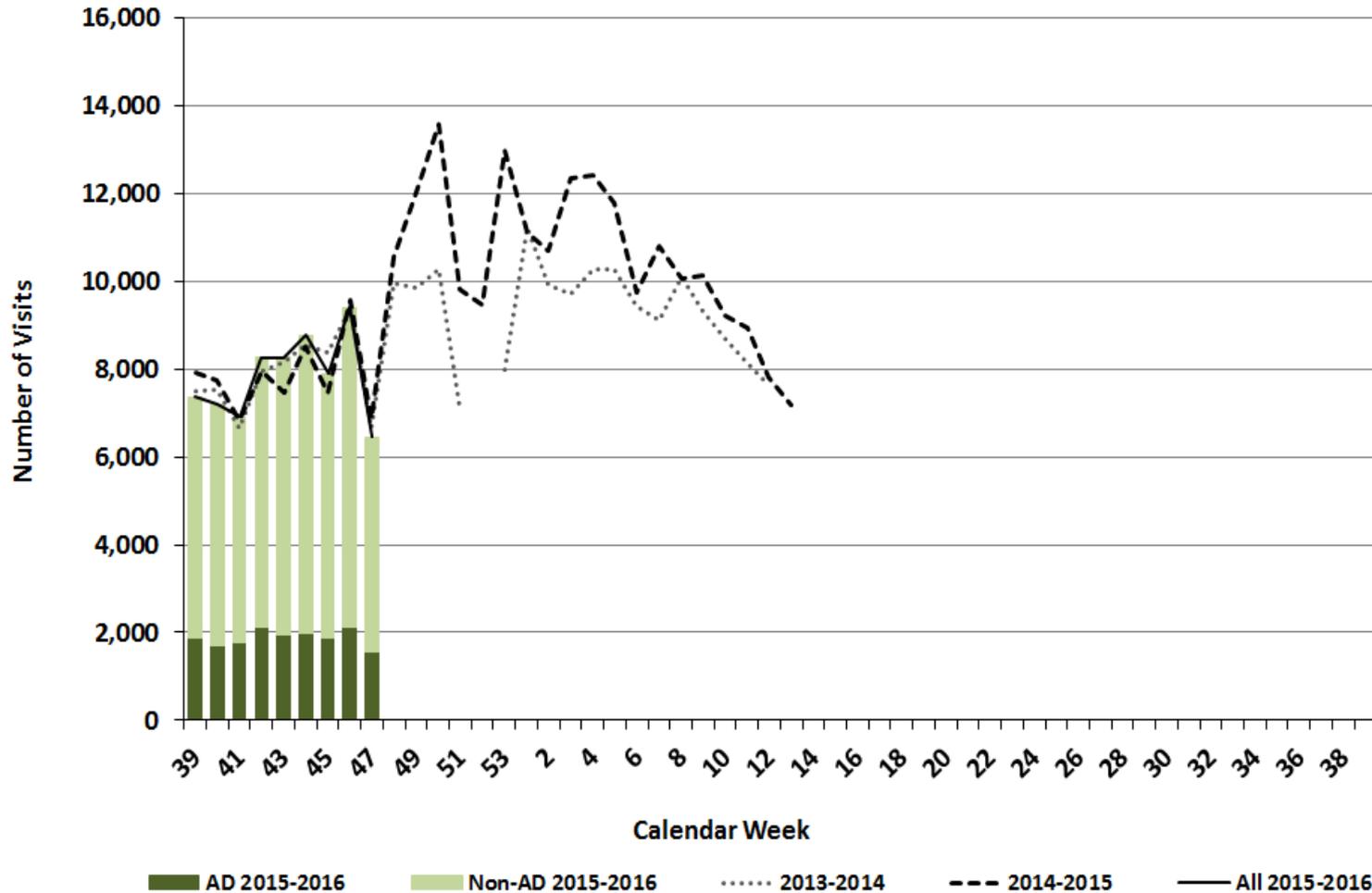
A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2015-16 and Selected Previous Seasons



ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

Army MTFs, All Services, 2013-2016

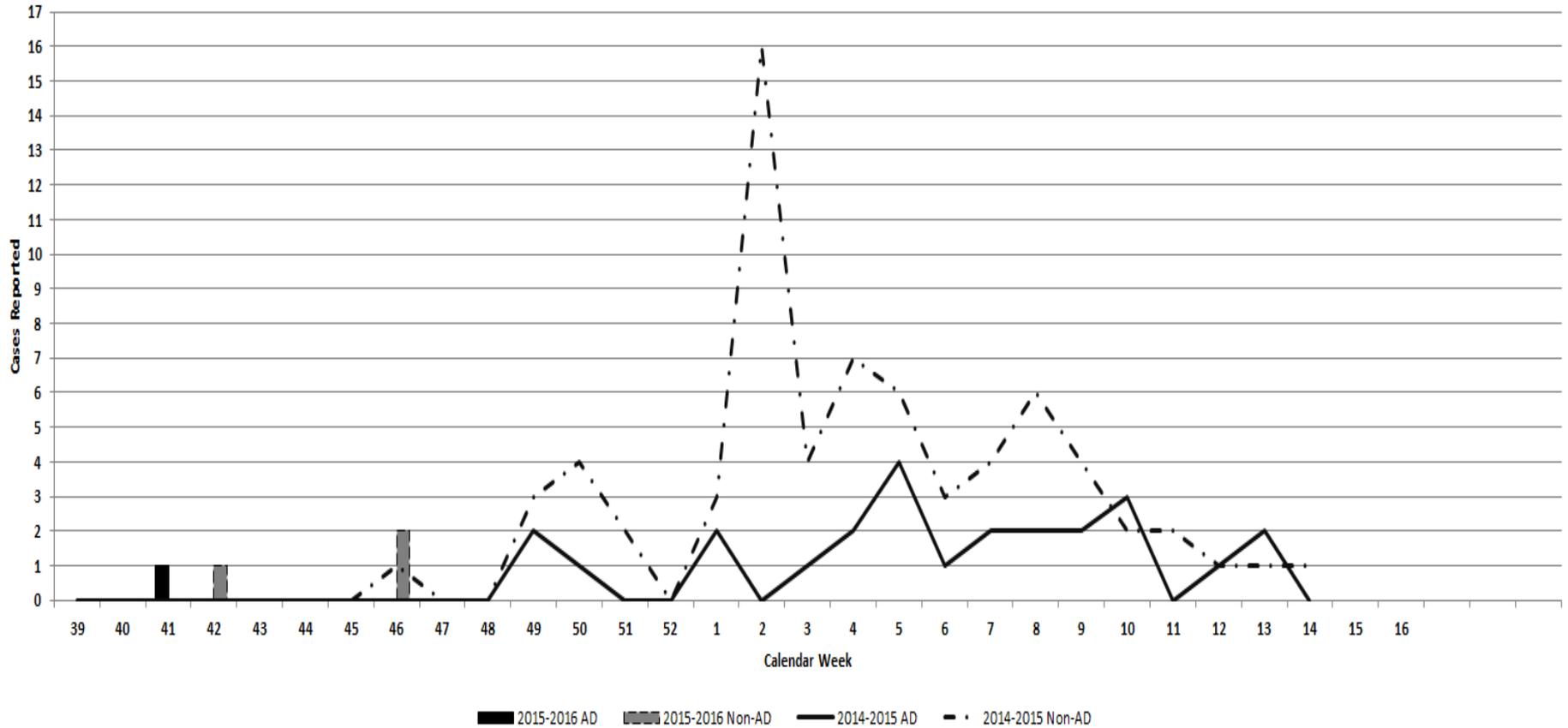


Clinic visits for ILI are obtained from ESSENCE. Data as of 2 December 2015.

Army MTF Laboratory Results, 2015-16

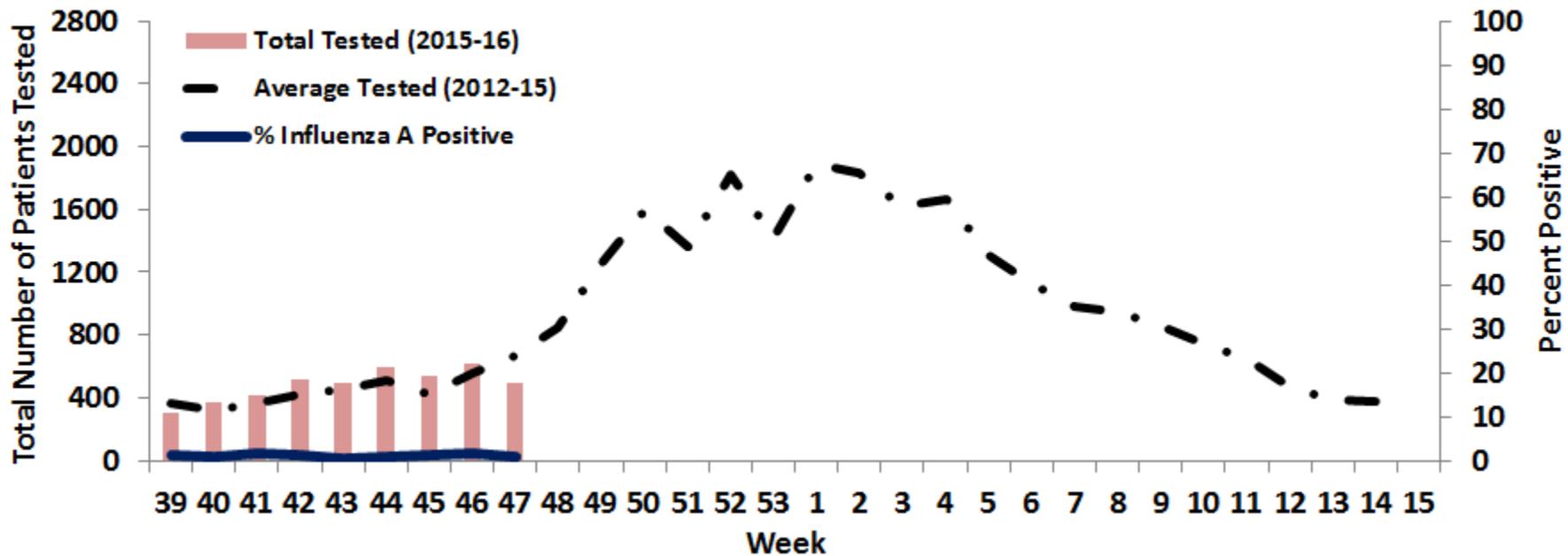
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<i>Negative</i>	<i>636</i>	<i>589</i>	<i>669</i>	<i>544</i>	4718
Total Results	711	660	767	651	5345

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 2 December 2015.

Proportion of Positive Influenza A Specimens for U.S. Army 2015-2016



Positive Respiratory Specimen Results from Army MTFs by Virus, 2015-2016 Influenza Season

