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U.S. Army Influenza Activity Report

Week Ending 30 January 2016 (Week 04)

2015-2016 Seasonal Influenza Vaccination Coverage

As of 29 January 2016

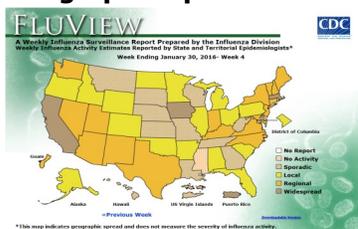
94%	DOD
96%	Army Active Duty
93%	Army Guard
81%	Army Reserve

*Source: DHA

SYNOPSIS: Influenza activity among Army MTFs has significantly increased in the past week, which mirrors a current trend in the civilian population.

- **ILI Activity:** Army incident ILI outpatient visits in week 4 were 18% lower than the same week last year.
- **Influenza cases:** No hospitalized influenza cases were reported to APHC(P) through DRSi in week 4. Four hospitalized cases have been reported to date this season.
- **Viral specimens:** During week 4, 153 of 916 (17%) laboratory specimens tested positive for respiratory pathogens. RHC-C reported 15 influenza A-positive specimens, RHC-P reported 13, RHC-A reported 9, and RHC-E reported 6. CENTCOM did not report any influenza A-positive specimens.

Geographic Spread

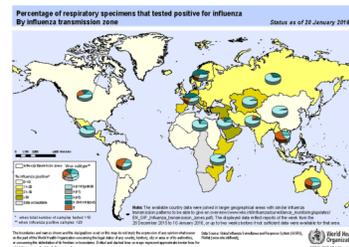


United States

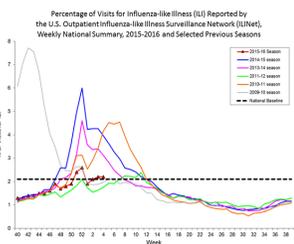
- In week 4, widespread and regional influenza activity was reported in Puerto Rico, Guam and twenty-one states. Sixteen states and the District of Columbia reported local influenza activity, while the US Virgin Islands, and twelve states reported sporadic. No activity was reported in MS.

World Health Organization

- In central and western Asia, influenza remains at high levels, predominantly due to influenza A(H1N1)pdm09. Tropical countries report low influenza activity.

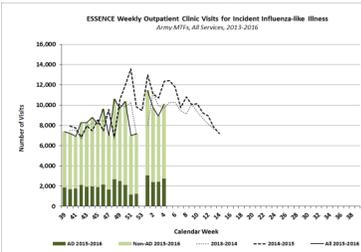


ILI Activity United States



- Nationwide during week 4, 2.2% of outpatient visits reported in ILINet were due to ILI, which is slightly above the national baseline of 2.1%.
- The percentage of ILI outpatient visits ranged from 1.1% to 4.7% across the regions reporting.

ILI Activity Army



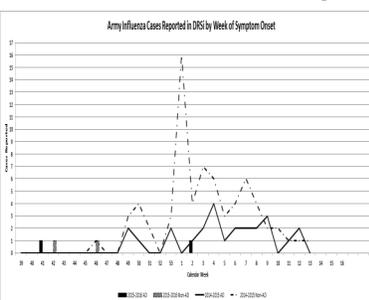
- During week 4, incident ILI activity was 18% lower than the same time last year and 4% higher than week 4 in 2013-2014.
- AD SMs accounted for 27% of incident ILI clinic visits during week 4; in 2014-2015, AD SMs comprised 25% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2015-16					
Test Result	Week 1	Week 2	Week 3	Week 4	Season Total
Influenza A	12	27	19	43	171
Influenza B	6	5	19	15	83
Adenovirus	17	22	3	11	155
Enterovirus	2	0	2	0	19
Parainfluenza	6	5	5	2	187
RSV	80	67	84	82	1063
Negative	626	569	551	763	10096
Total Results	749	695	683	916	11774

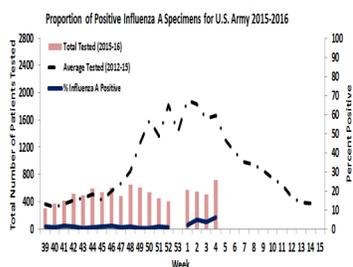
- In week 4, 17% (153) of specimens tested positive.
- RSV accounted for 54% of positive specimens.
- Influenza A accounted for 28% of positive specimens.
- Influenza B accounted for 10% of positive specimens.
- Adenovirus accounted for 7%, and parainfluenza for 1%.

DRSi Influenza Case Reporting



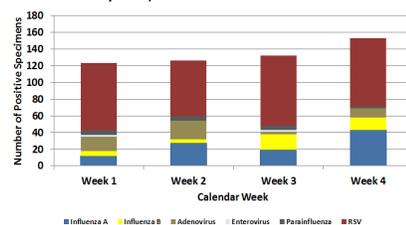
- In week 4, no cases of influenza-associated hospitalization were reported in DRSi.
- At the same time last influenza season, 48 hospitalized influenza cases had been reported. A total of 4 hospitalized cases have been reported to date this season.

Laboratory Testing for Influenza A



- In week 4, 43 of 714 (6%) specimens tested positive for influenza A. This was an increase from week 3 (3.8%). 32 (74%) of the positive influenza A specimens were in non-active duty personnel.
- RHC-C reported 15 (35%) of the total influenza A-positive specimens. RHC-P reported 13 (30%) positive specimens, RHC-A reported 9 (21%), and RHC-E reported 6 (14%). CENTCOM did not report any positive influenza A specimens.

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

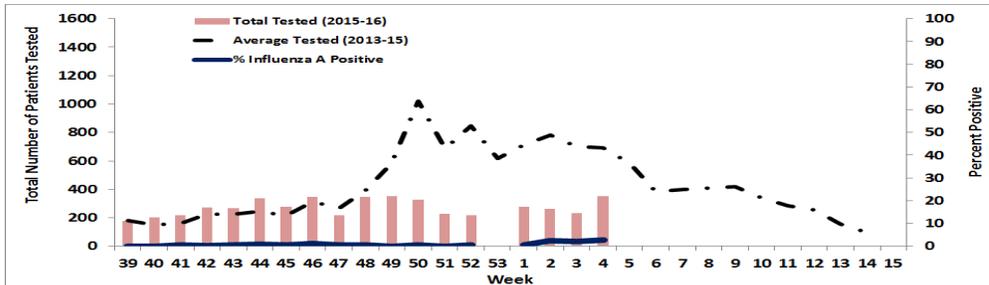
Questions?
[Email APHC-DEP](mailto:APHC-DEP)
 410-417-3774



U.S. Army Influenza Activity Report

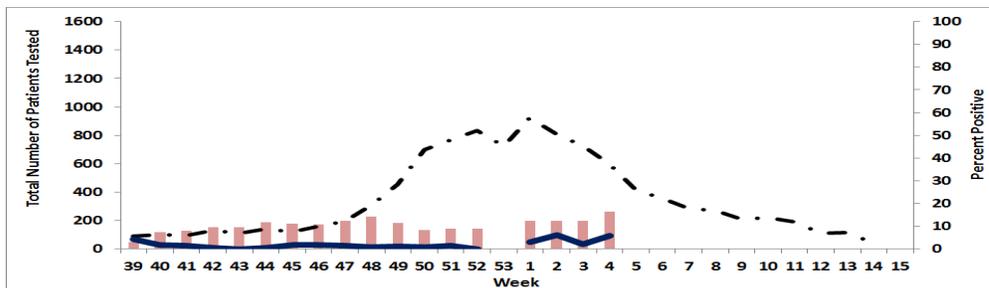
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2015-2016 as Compared to 2013-2015

Regional Health Command - Atlantic (RHC-A)



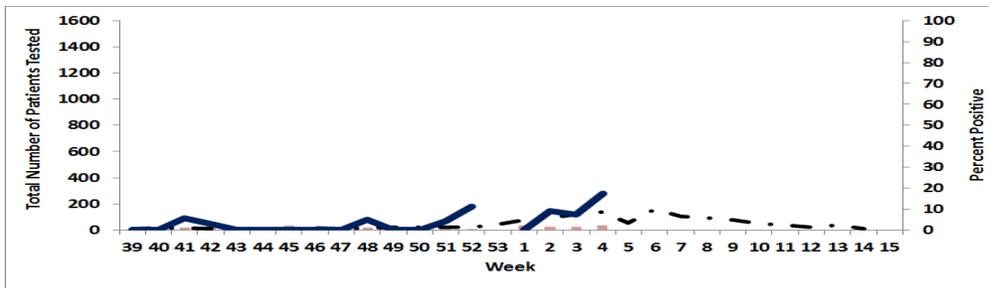
Week 4			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	5	23
18-29	0	1	4
30-39	1	0	3
40-49	0	1	6
50-59	0	1	3
60+	0	0	2
Total	1	8	41

Regional Health Command - Central (RHC-C)



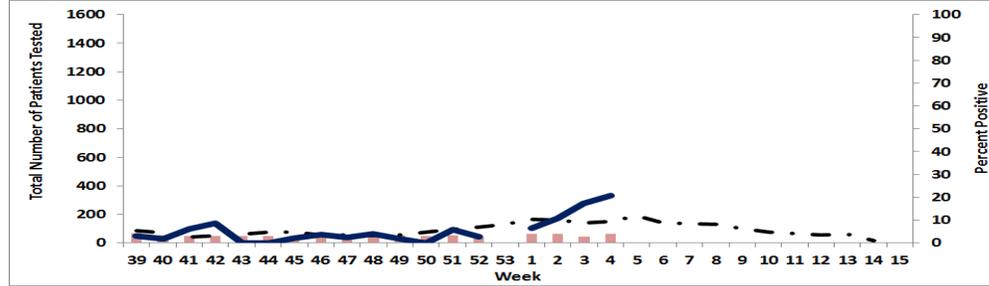
Week 4			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	7	24
18-29	2	0	17
30-39	2	1	11
40-49	1	1	6
50-59	0	1	3
60+	0	0	0
Total	5	10	61

Regional Health Command - Europe (RHC-E)



Week 4			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	2	6
18-29	0	0	2
30-39	1	2	4
40-49	1	0	3
50-59	0	0	0
60+	0	0	0
Total	2	4	15

Regional Health Command - Pacific (RHC-P)



Week 4			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	5	26
18-29	2	1	12
30-39	1	2	6
40-49	0	0	4
50-59	0	1	3
60+	0	1	2
Total	3	10	53

Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 49		Week 50		Week 51		Week 52		Week 1		Week 2		Week 3		Week 4	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
RHC-A	0	0	0	2	0	0	1	0	0	2	3	3	2	3	1	8
RHC-C	0	2	1	0	1	1	0	0	2	4	6	6	2	2	5	10
RHC-E	0	0	0	0	0	1	0	1	0	0	1	1	2	0	2	4
RHC-P	0	1	0	0	1	2	0	1	1	3	1	6	0	8	3	10
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

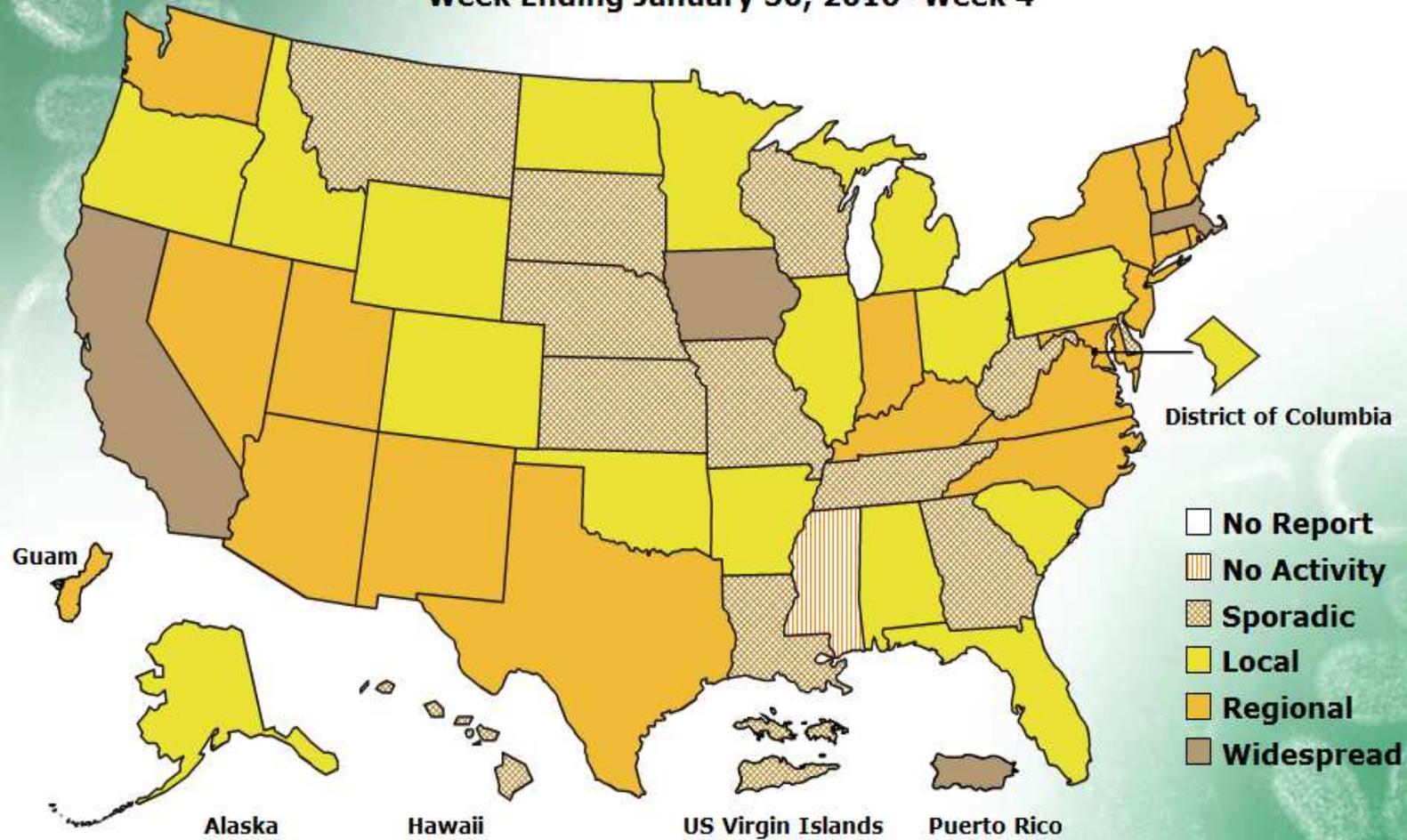
Locations providing week 4 laboratory data as of 3 February 2016: Korea, Ft Belvoir (NCR), Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Huachuca, Ft Irwin, Ft Jackson, Ft Knox, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, Redstone Arsenal, Tripler, West Point, and Walter Reed.

FLUVIEW



**A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists***

Week Ending January 30, 2016- Week 4



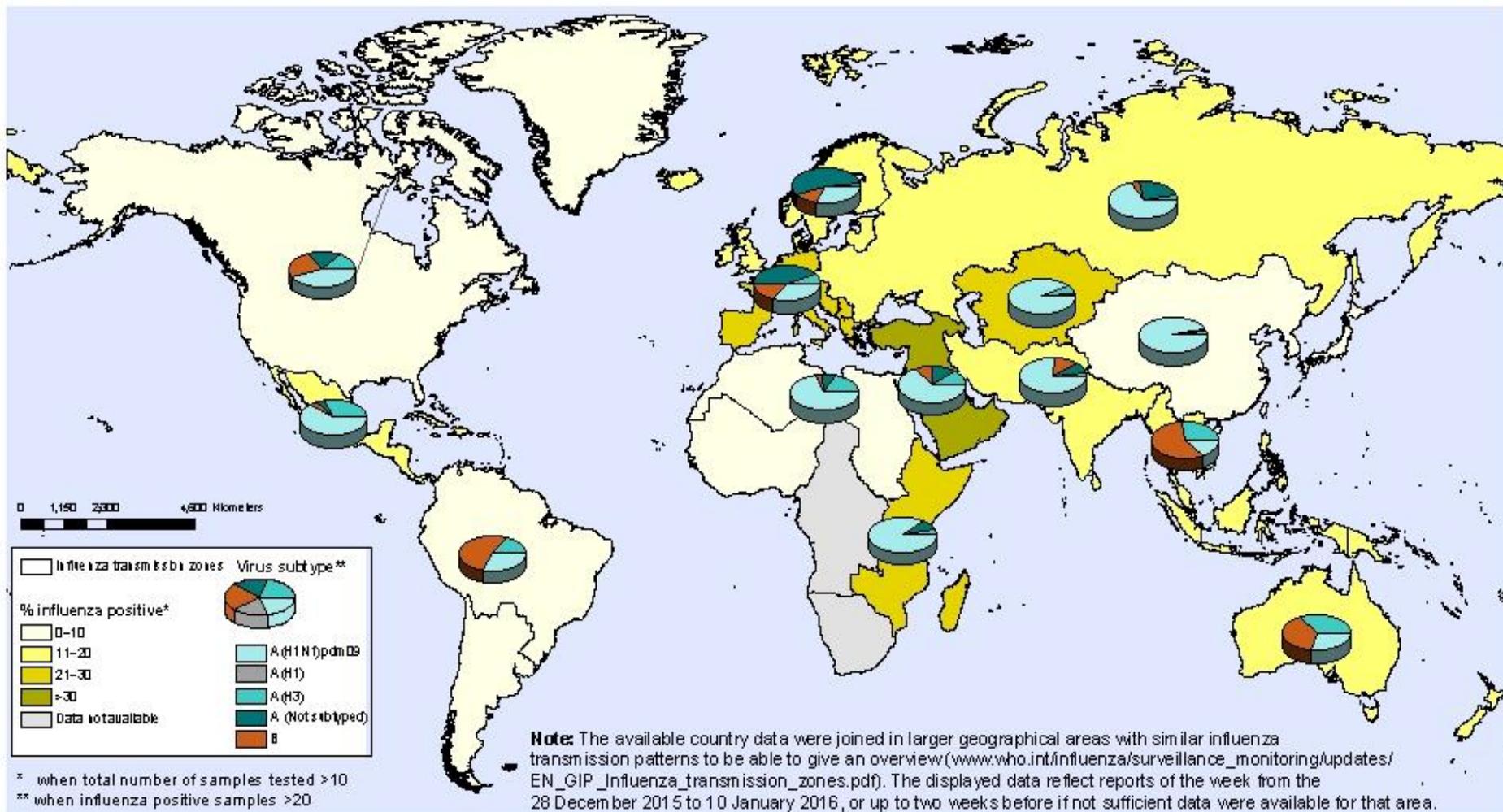
[«Previous Week](#)

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*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 20 January 2016



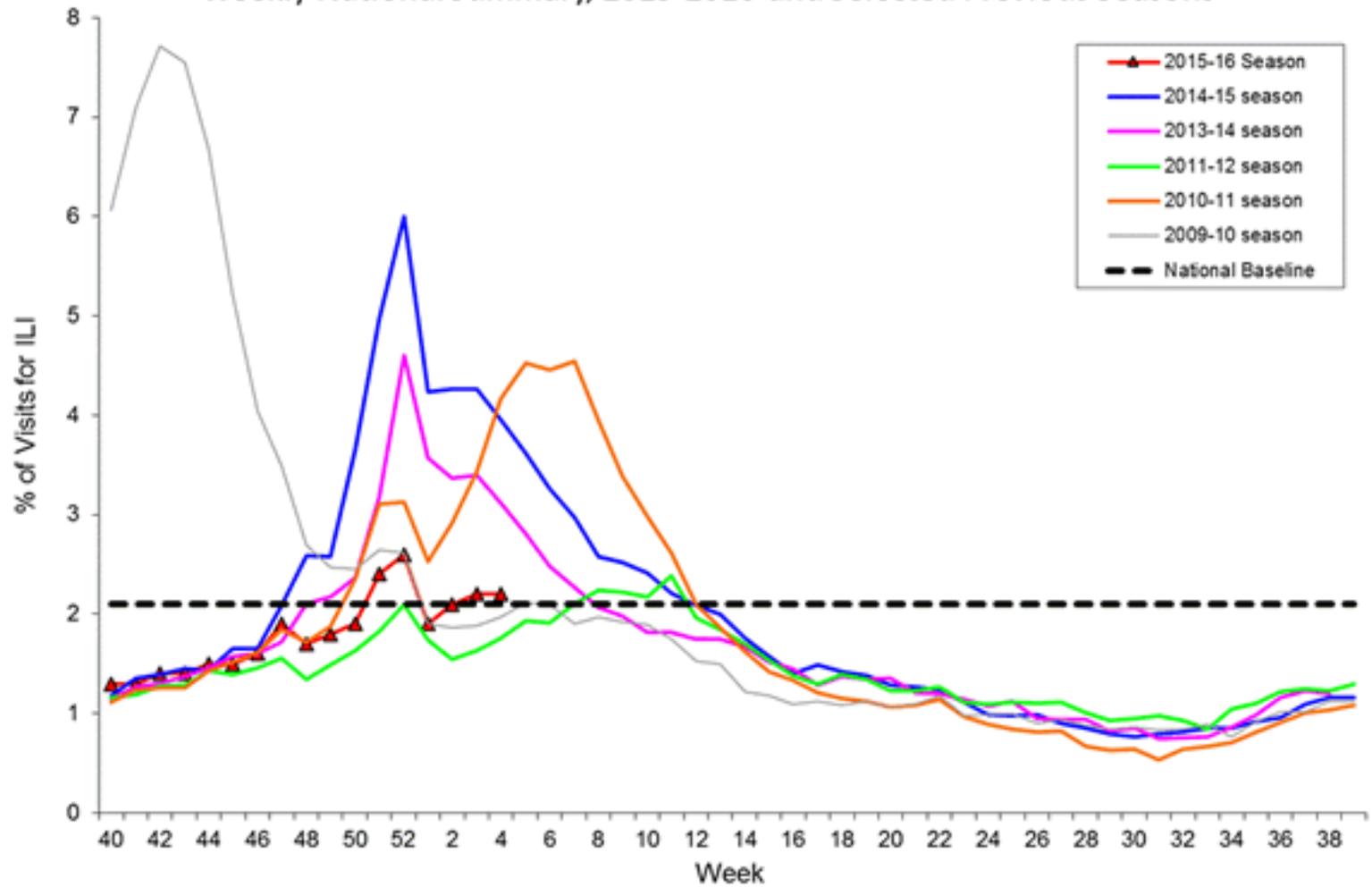
The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers 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).

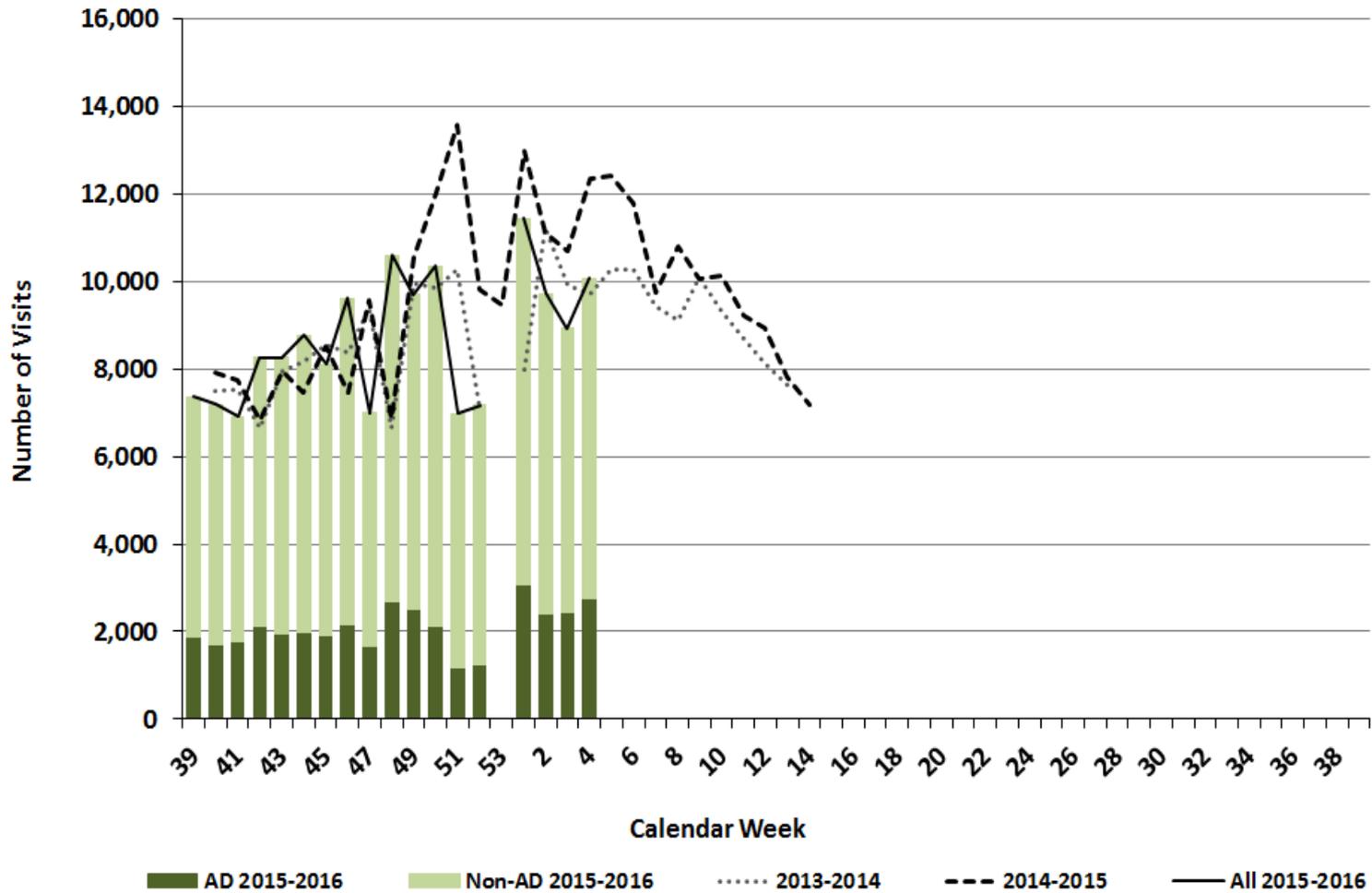


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Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2015-2016 and Selected Previous Seasons



ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness
Army MTFs, All Services, 2013-2016

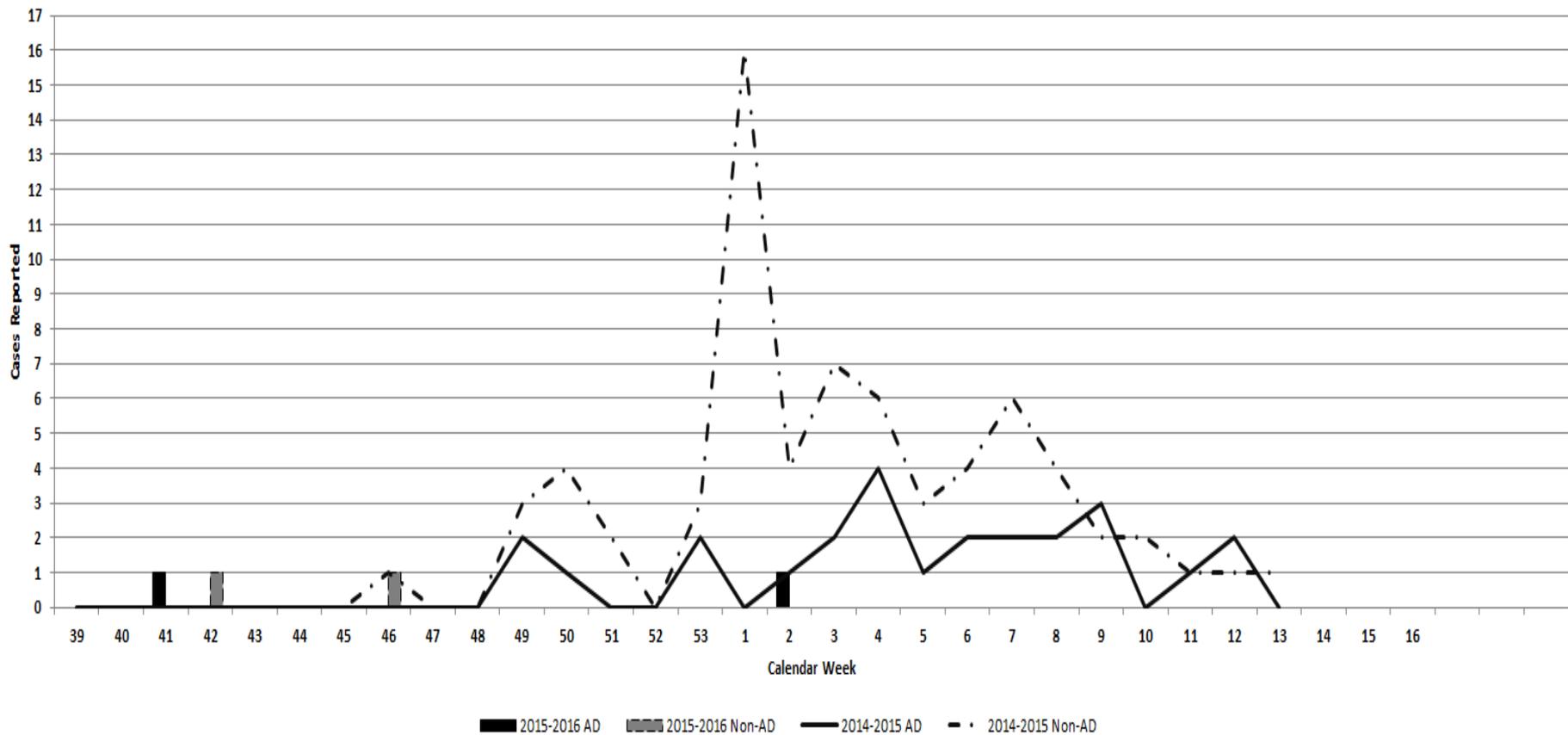


Clinic visits for ILI are obtained from ESSENCE. Data as of 4 February 2016.

Army MTF Laboratory Results, 2015-16

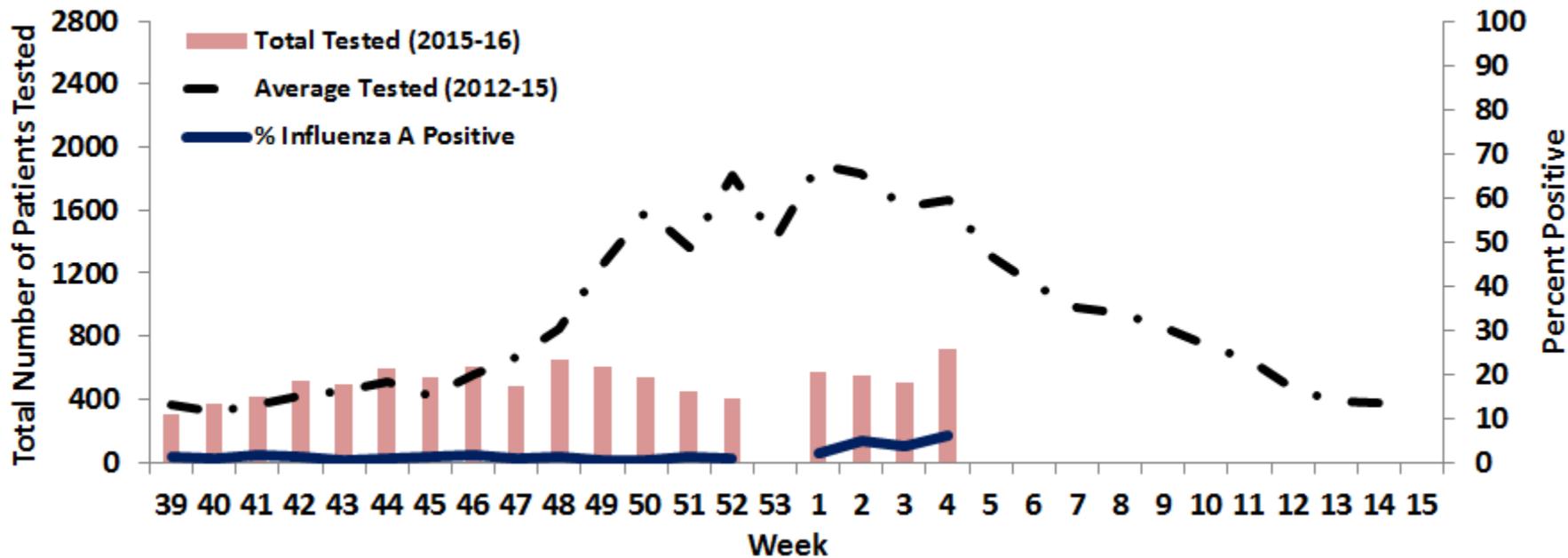
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<i>Negative</i>	626	569	551	763	10096
Total Results	749	695	683	916	11774

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 4 February 2016.

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

