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U.S. Army Influenza Activity Report

Week Ending 12 December 2015 (Week 49)

2015-2016 Seasonal Influenza Vaccination Coverage

As of 18 December 2015
(Click for detail)

87%	DOD*
93%	Army Active Duty
91%	Army Guard
75%	Army Reserve

*Source: DHA

SYNOPSIS: The trend in influenza-like illness activity has been sporadic for the past few weeks, with activity in week 49 significantly lower than in week 48.

- **ILI Activity:** Army incident ILI outpatient visits in week 49 were 17% lower than the same week last year.
- **Influenza cases:** No hospitalized influenza cases were reported to APHC(P) through DRSi in week 49. Three hospitalized cases have been reported to date this season.
- **Viral specimens:** During week 49, 96 of 820 (12%) laboratory specimens tested positive for respiratory pathogens. RHC-C reported 2 influenza A-positive specimens and RHC-P reported 1 positive specimen. RHC-A, RHC-E, and CENTCOM did not report any influenza A-positive specimens.

Geographic Spread

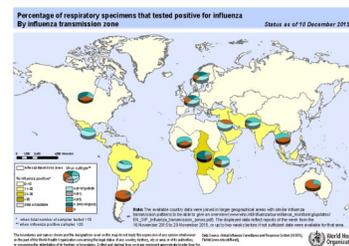


United States

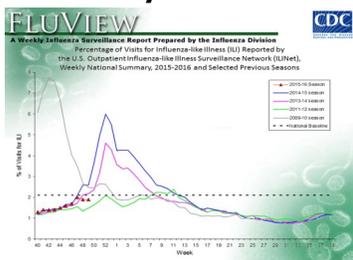
- In week 49, widespread and regional influenza activity was reported in Guam, Puerto Rico, and two states. Twelve states reported local influenza activity, while 33 states, the US Virgin Islands and the District of Columbia reported sporadic. No influenza activity was reported in three states.

World Health Organization

- In Eastern Asia, Europe (except Northern Europe), North Africa, and North America, influenza activity continued at low, inter-seasonal levels.

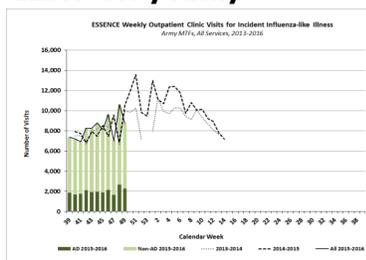


ILI Activity United States



- Nationwide during week 49, 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 4.4% across the regions reporting.

ILI Activity Army



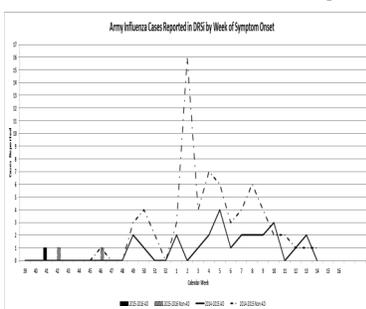
- During week 49, incident ILI activity was 17% lower than the same time last year and 12% lower than week 49 in 2013-2014.
- AD SMs accounted for 26% of incident ILI clinic visits during week 49; in 2014-2015, AD SMs comprised 25% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Test Result	Week 46	Week 47	Week 48	Week 49	Season Total
Influenza A	9	5	8	3	58
Influenza B	4	3	5	1	29
Adenovirus	16	6	8	9	74
Enterovirus	1	0	0	2	8
Parainfluenza	12	11	9	6	139
RSV	56	80	64	75	507
Negative	655	522	703	724	6106
Total Results	753	627	797	820	6921

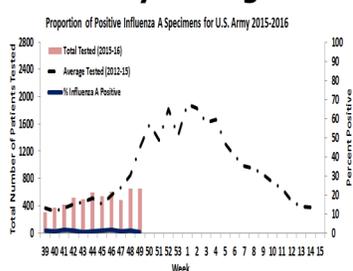
- In week 49, 12% (96) of specimens tested positive.
- Influenza A accounted for 3% of positive specimens.
- Influenza B accounted for 1% of positive specimens.
- RSV accounted for 78% of positive specimens, adenovirus for 9%, and parainfluenza for 6%.

DRSi Influenza Case Reporting



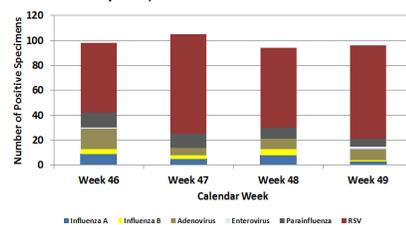
- In week 49, no cases of influenza-associated hospitalization were reported in DRSi.
- At the same time last influenza season, one hospitalized influenza case was reported. A total of 3 hospitalized cases have been reported to date this season.

Laboratory Testing for Influenza A



- In week 49, 3 of 654 (0.5%) specimens tested positive for influenza A. This was a large decrease from week 48 (1.2%). All (100%) of the positive influenza A specimens were in non-active duty personnel.
- RHC-C reported 2 (67%) influenza A-positive specimens and RHC-P reported 1 (33%) influenza A-positive specimen. RHC-A, RHC-E, and 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

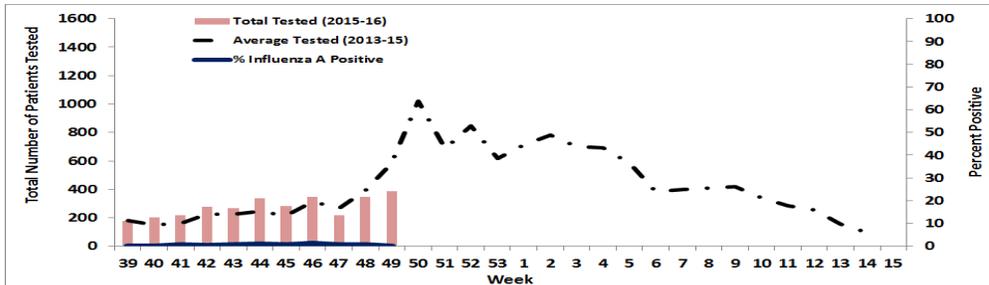
Questions?
Email APHC-DEP
 410-417-3774



U.S. Army Influenza Activity Report

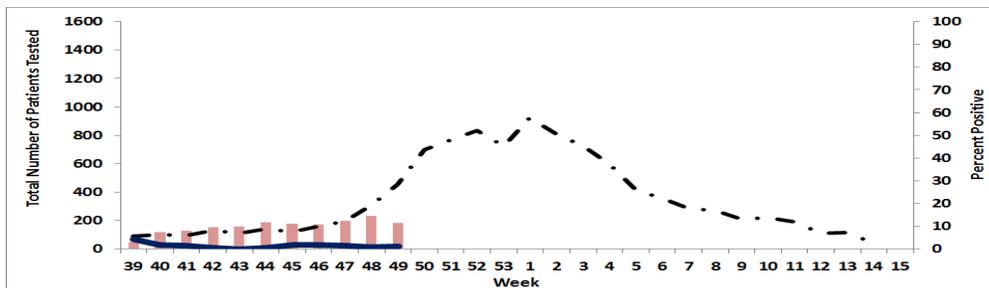
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2015-2016 as Compared to 2014-2015

Regional Health Command - Atlantic (RHC-A)



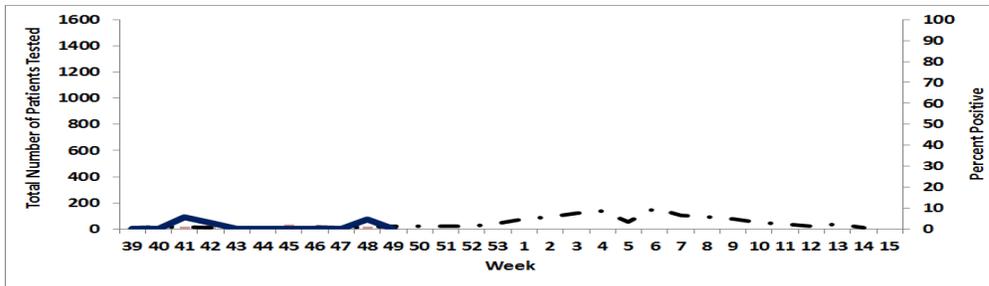
Week 49			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	10
18-29	0	0	1
30-39	0	0	1
40-49	0	0	1
50-59	0	0	1
60+	0	0	2
Total	0	0	16

Regional Health Command - Central (RHC-C)



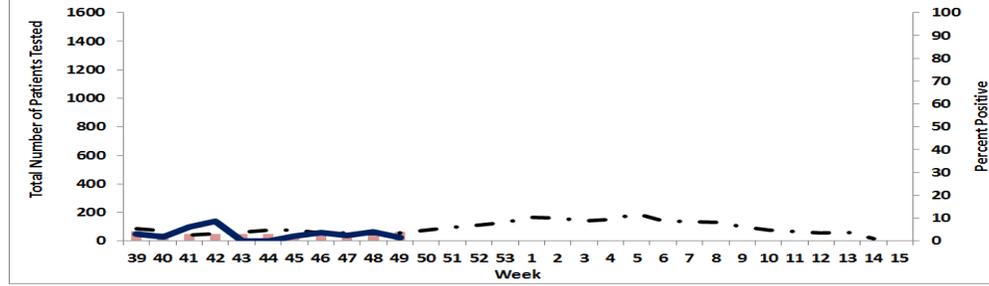
Week 49			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	10
18-29	0	1	5
30-39	0	0	3
40-49	0	0	2
50-59	0	0	1
60+	0	0	0
Total	0	2	21

Regional Health Command - Europe (RHC-E)



Week 49			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	3
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	3

Regional Health Command - Pacific (RHC-P)



Week 49			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	10
18-29	0	0	5
30-39	0	0	0
40-49	0	0	0
50-59	0	0	1
60+	0	1	1
Total	0	1	17

Number of Positive Influenza A Specimens by Duty Status and Region

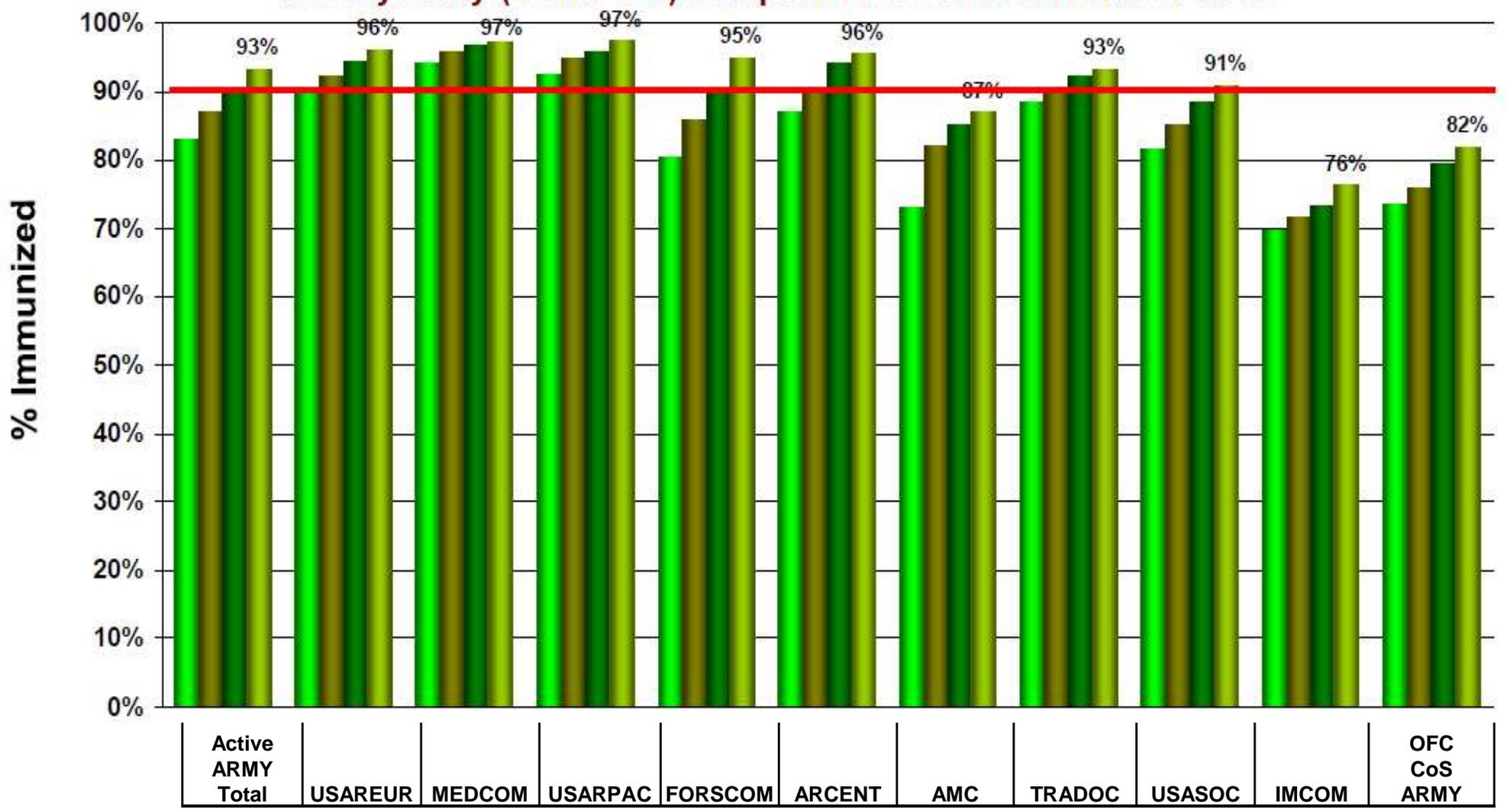
Region	Week 42		Week 43		Week 44		Week 45		Week 46		Week 47		Week 48		Week 49	
	AD	Non-AD														
RHC-A	0	1	0	2	0	3	1	1	1	3	0	1	0	2	0	0
RHC-C	0	1	0	0	1	0	1	2	0	3	0	3	0	2	0	2
RHC-E	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
RHC-P	1	3	0	0	0	0	0	1	0	2	0	1	0	2	0	1
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

Locations providing week 49 laboratory data as of 15 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, Landstuhl, Redstone Arsenal, Tripler, West Point, and Walter Reed.



Seasonal Influenza Immunization Status

Weekly Army (COMPO 1) compliance as of 18 December 2015



Data Source: MEDPROS
Previous weeks included for comparison

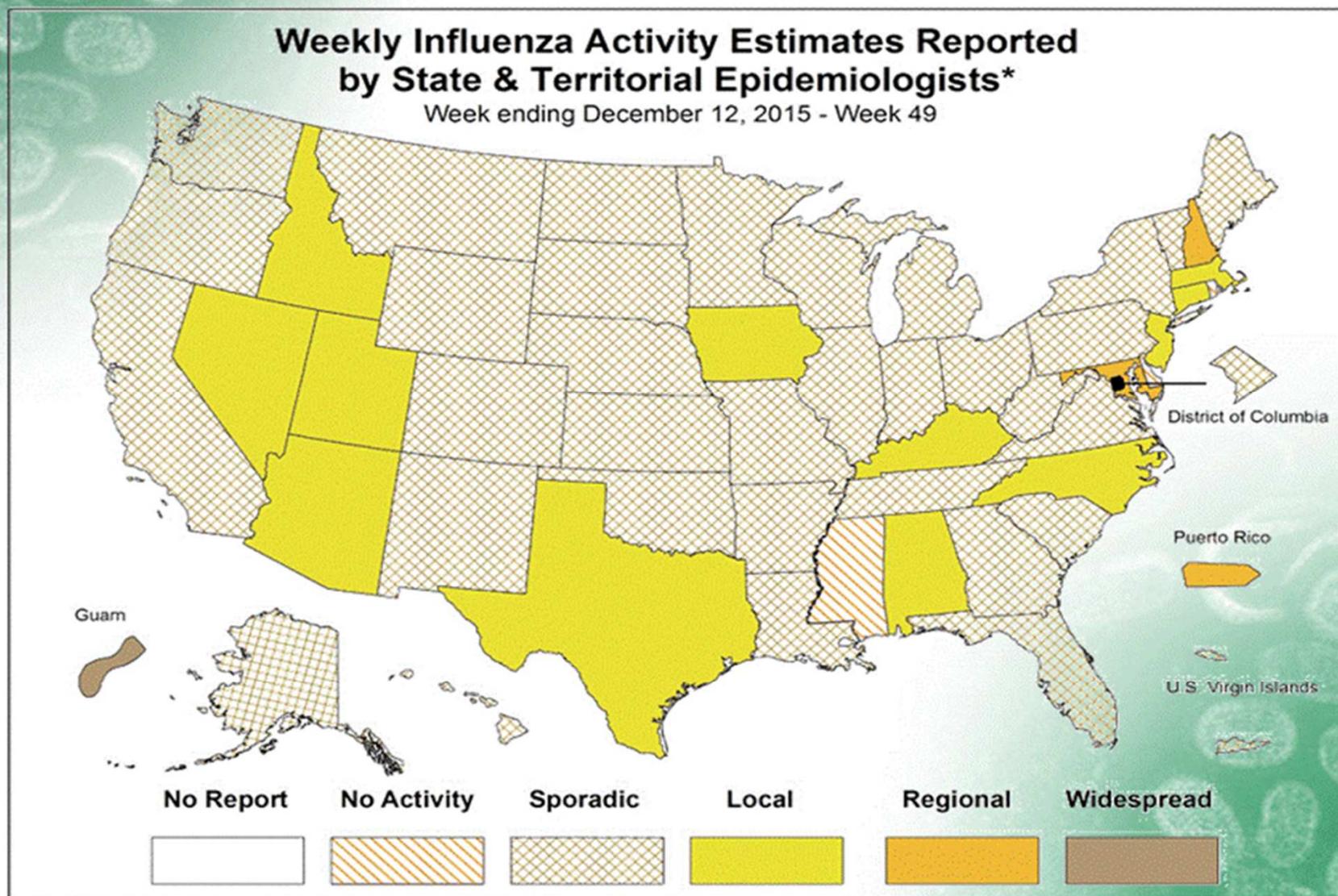
FLUVIEW

A Weekly Influenza Surveillance Report Prepared by the Influenza Division



Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists*

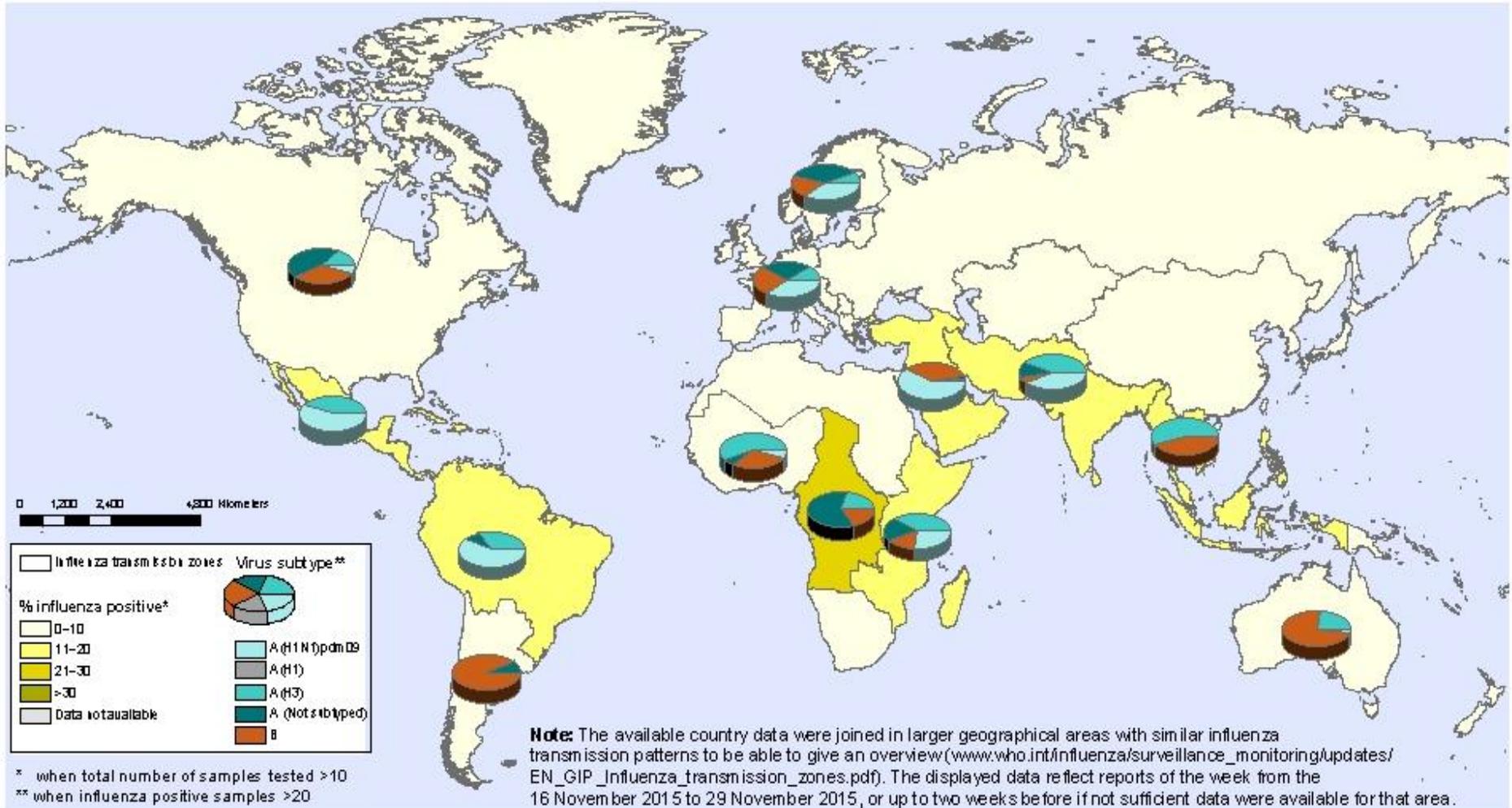
Week ending December 12, 2015 - Week 49



* 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 10 December 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).



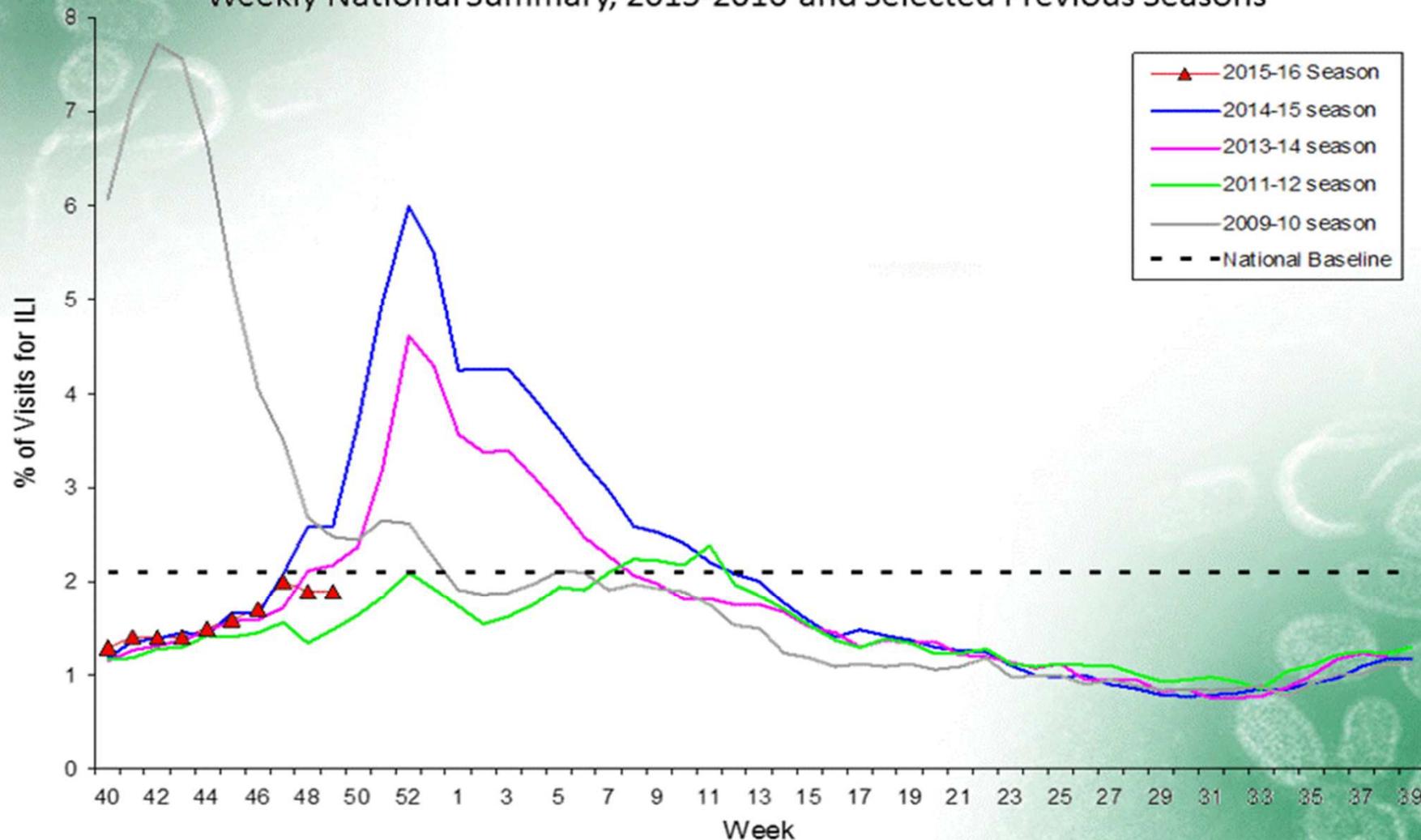
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FLUVIEW

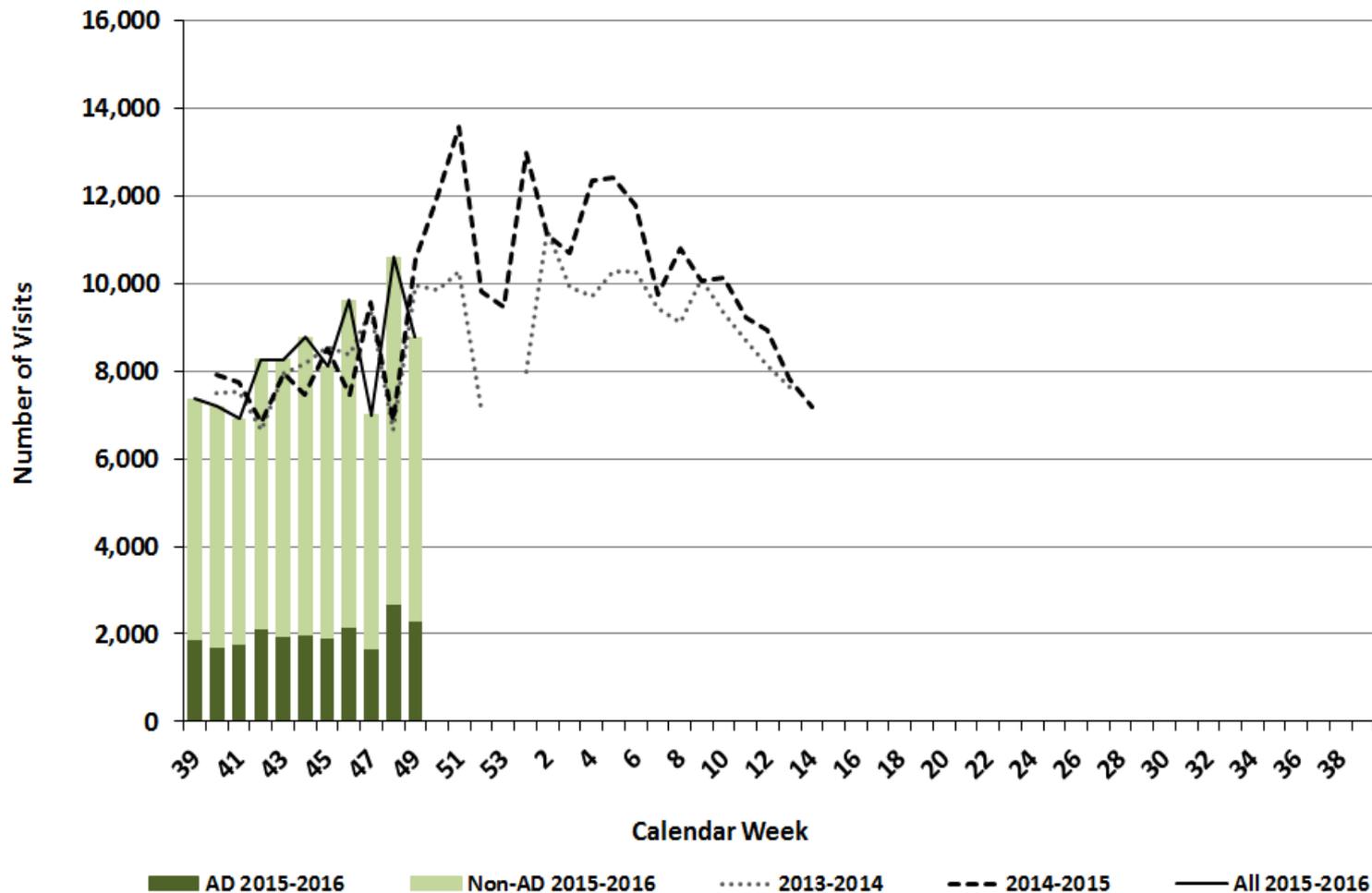


A Weekly Influenza Surveillance Report Prepared by the Influenza Division

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



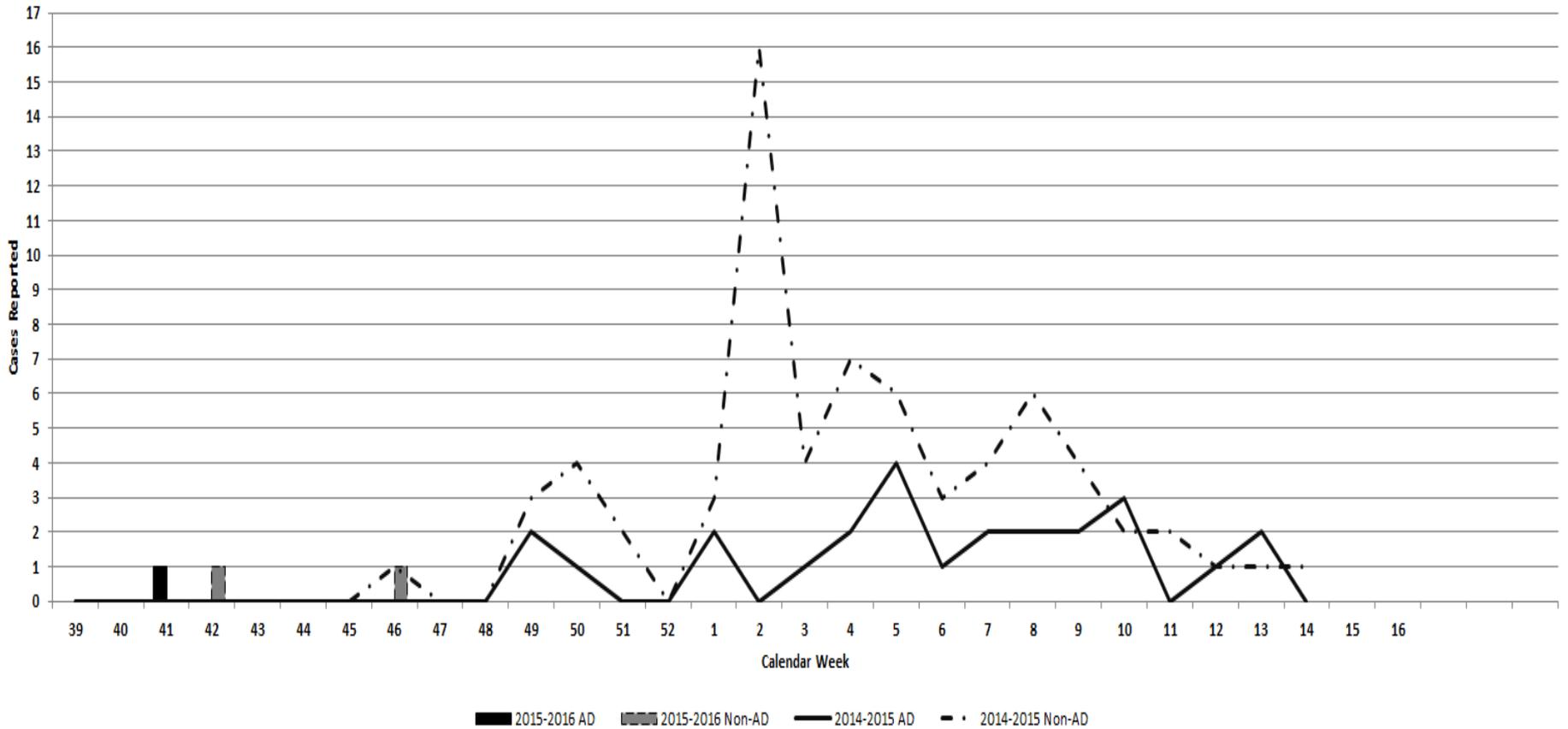
ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness
Army MTFs, All Services, 2013-2016



Army MTF Laboratory Results, 2015-16

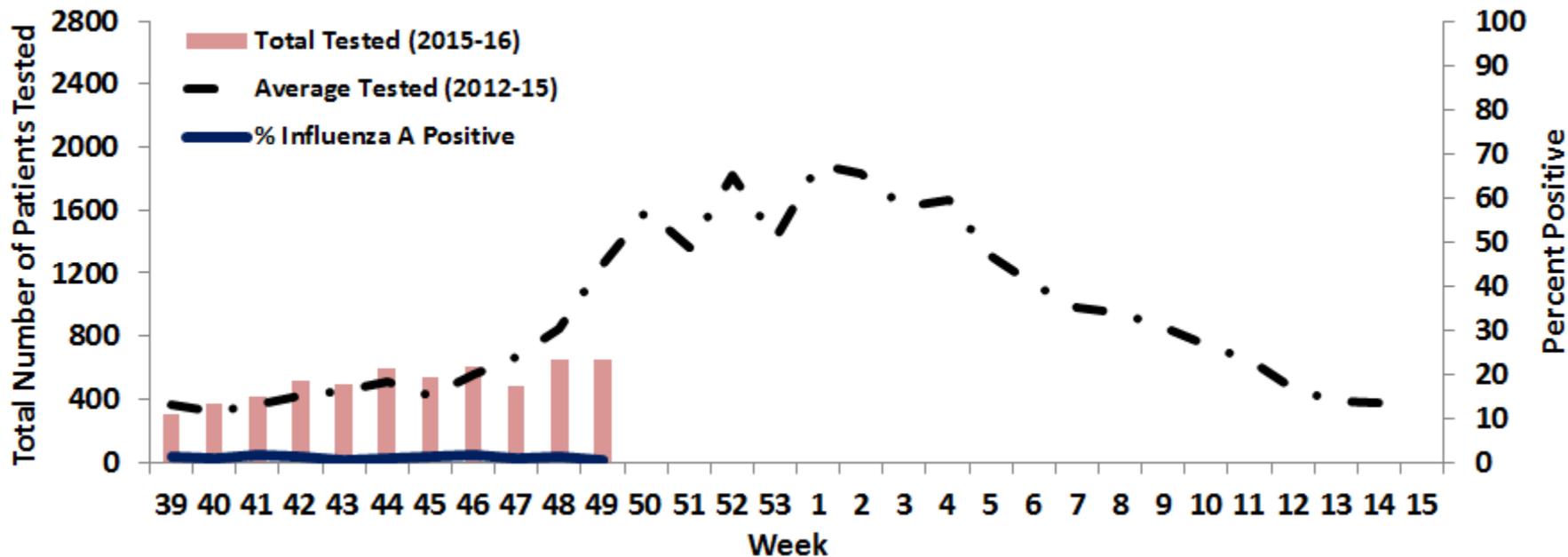
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<i>Negative</i>	655	522	703	724	6106
Total Results	753	627	797	820	6921

Army Influenza Cases Reported in DRSi by Week of Symptom Onset

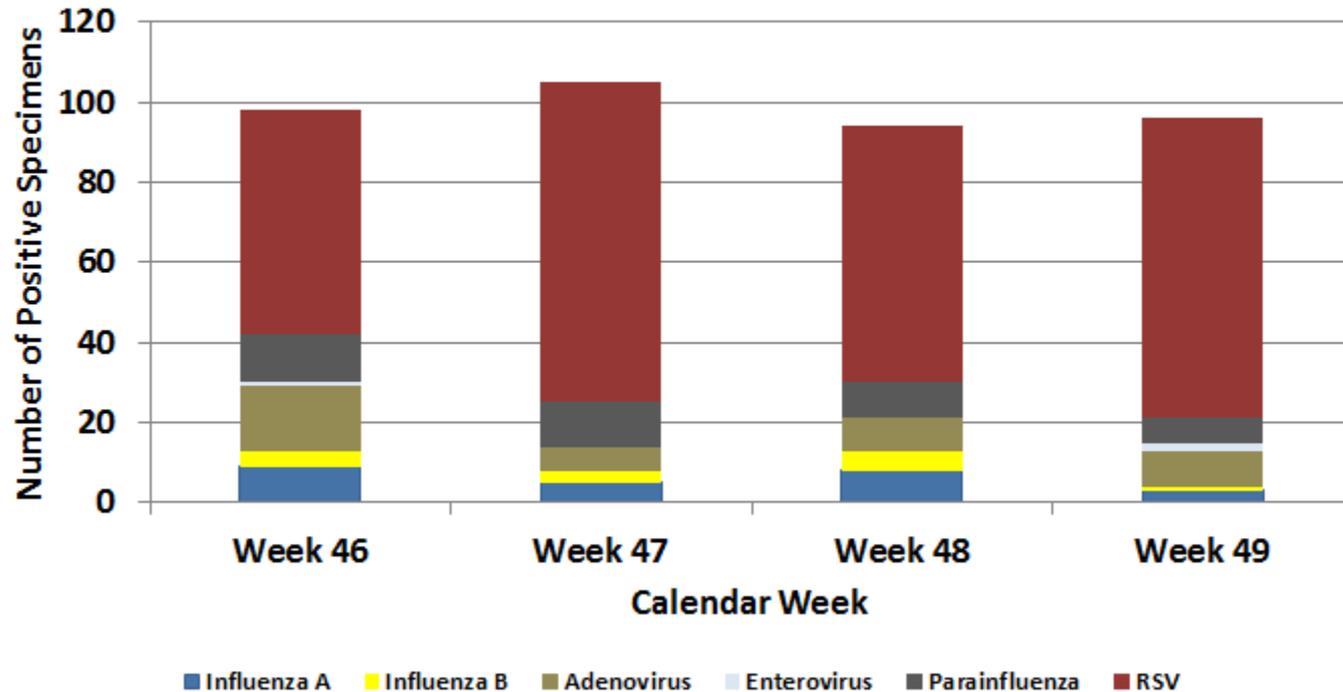


Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information
 Data as of 16 December 2015.

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



Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 42		Week 43		Week 44		Week 45		Week 46		Week 47		Week 48		Week 49	
	AD	Non-AD														
RHC-A	0	1	0	2	0	3	1	1	1	3	0	1	0	2	0	0
RHC-C	0	1	0	0	1	0	1	2	0	3	0	3	0	2	0	2
RHC-E	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
RHC-P	1	3	0	0	0	0	0	1	0	2	0	1	0	2	0	1
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0