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U.S. Army Influenza Activity Report

Week Ending 12 March 2016 (Week 10)

2015-2016 Seasonal Influenza Vaccination Coverage

As of 25 February 2016

95%	DOD
97%	Army Active Duty
93%	Army Guard
84%	Army Reserve

*Source: DHA

SYNOPSIS: Overall, influenza activity decreased slightly among Army populations. However, influenza activity continues to increase in the civilian population.

- **ILI Activity:** Army incident ILI outpatient visits in week 10 were 10% higher than the same week last year.
- **Influenza cases:** Twelve hospitalized influenza cases were reported to APHC (Prov) through DRSi in week 10, all non-AD beneficiaries. Four of the cases were vaccinated; 8 had underlying conditions.
- **Viral specimens:** During week 10, 639 of 2172 (29%) laboratory specimens tested positive for respiratory pathogens. RHC-A reported 237 influenza A-positive specimens, RHC-C reported 117, RHC-P reported 54, and RHC-E reported 18. CENTCOM did not report any positive influenza A specimens.

Geographic Spread

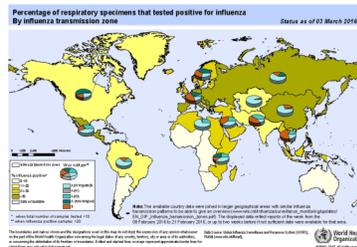


United States

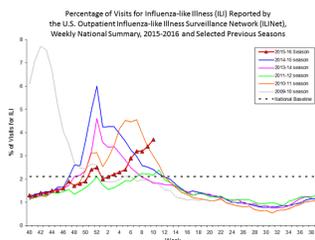
- In week 10, widespread and regional influenza activity was reported in Puerto Rico, Guam and all fifty states. The District of Columbia reported local influenza activity, while the US Virgin Islands did not report.

World Health Organization

- In North America, influenza activity increased further with influenza A (H1N1)pdm09 predominating in Canada and United States of America and A(H3N2) in Mexico.

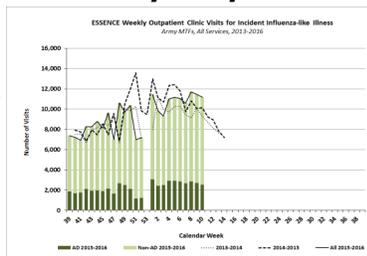


ILI Activity United States



- Nationwide, during week 10, 3.7% of outpatient visits reported in ILINet were due to ILI, which is above the national baseline of 2.1%.
- The percentage of ILI outpatient visits ranged from 2.1% to 5.4% across all reporting regions.

ILI Activity Army



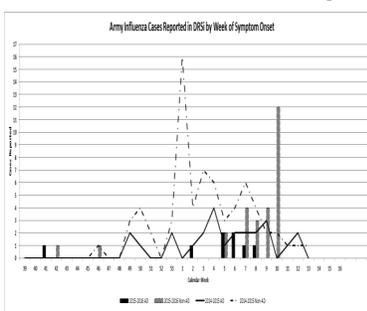
- During week 10, incident ILI activity was 10% higher than the same time last year and 20% higher than week 10 in 2013-2014.
- AD SMs accounted for 23% of incident ILI clinic visits during week 10. In 2014-2015, AD SMs comprised 26% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2015-16					
Test Result	Week 7	Week 8	Week 9	Week 10	Season Total
Influenza A	222	267	352	426	1641
Influenza B	67	74	118	114	527
Adenovirus	5	7	14	13	218
Enterovirus	1	1	0	0	21
Parainfluenza	1	1	5	3	209
RSV	104	97	131	83	1659
Negative	971	1063	1201	1533	16266
Total Results	1371	1510	1821	2172	20541

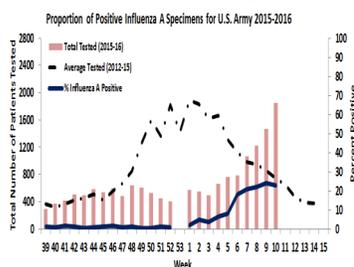
- In week 10, 29% (639) of specimens tested positive.
- Influenza A accounted for 67% of positive specimens.
- Influenza B accounted for 18% of positive specimens.
- RSV accounted for 13% of positive specimens while adenovirus accounted for 2%, and parainfluenza for less than 1%.

DRSi Influenza Case Reporting



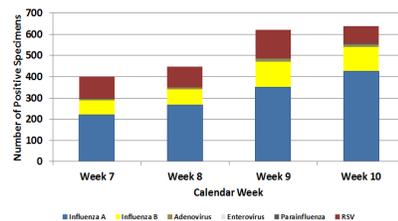
- In week 10, twelve cases of influenza-associated hospitalizations were reported in DRSi; all were non-AD beneficiaries. Four of the cases were vaccinated; eight had underlying conditions.
- A total of 35 hospitalized cases have been reported to date this season, compared to 87 last season.

Laboratory Testing for Influenza A



- In week 10, 426 of 1853 (23%) specimens tested positive for influenza A. This was a decrease from week 9 (24%). 348 (82%) of the positive influenza A specimens were in non-AD personnel.
- RHC-A reported 237 (56%) of the total influenza A-positive specimens. RHC-C reported 117 (27%) positive specimens, RHC-P reported 54 (13%), and RHC-E reported 18 (4%). 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

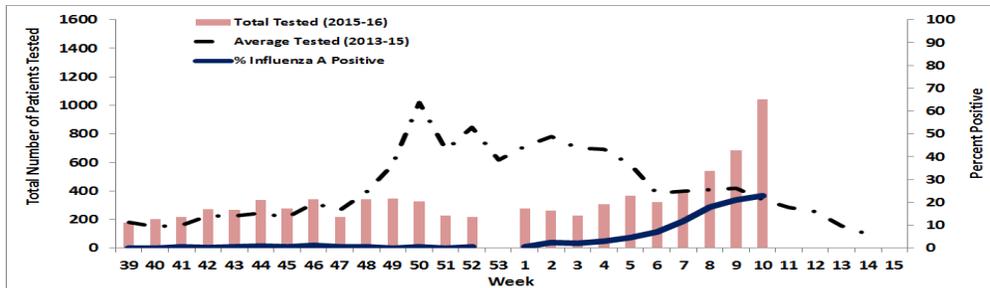
Questions?
 Email APHC-DEP
 410-417-3774



U.S. Army Influenza Activity Report

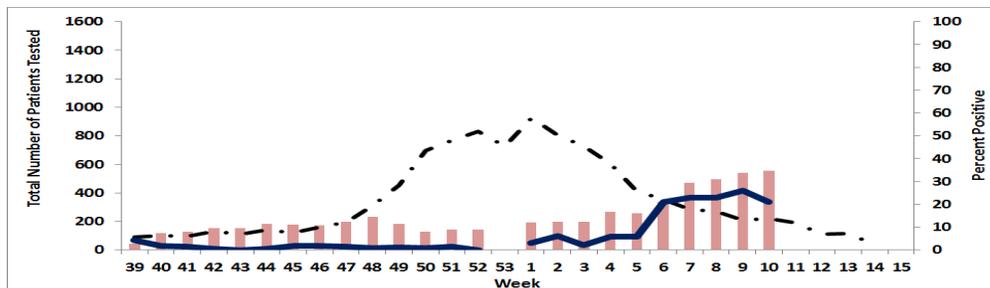
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2015-2016 as Compared to 2013-2015

Regional Health Command - Atlantic (RHC-A)



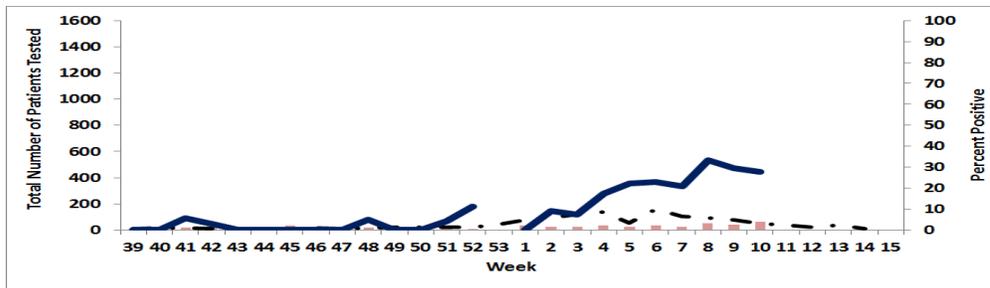
Week 10			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	125	312
18-29	6	15	68
30-39	19	18	80
40-49	10	12	70
50-59	0	18	48
60+	0	14	28
Total	35	202	606

Regional Health Command - Central (RHC-C)



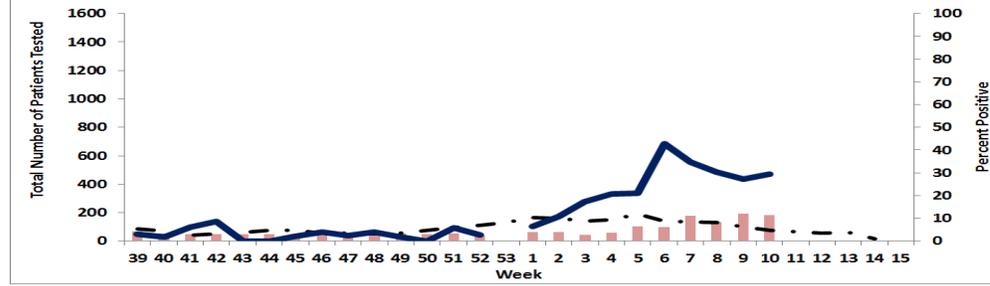
Week 10			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	55	308
18-29	7	11	93
30-39	13	6	87
40-49	3	9	61
50-59	0	9	44
60+	0	4	32
Total	23	94	625

Regional Health Command - Europe (RHC-E)



Week 10			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	3	28
18-29	4	2	17
30-39	4	2	25
40-49	2	0	10
50-59	0	1	1
60+	0	0	1
Total	10	8	82

Regional Health Command - Pacific (RHC-P)



Week 10			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	22	163
18-29	3	7	47
30-39	7	3	46
40-49	0	2	30
50-59	0	5	17
60+	0	5	22
Total	10	44	325

Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 3		Week 4		Week 5		Week 6		Week 7		Week 8		Week 9		Week 10	
	AD	Non-AD	AD	Non-AD												
RHC-A	2	3	1	8	5	12	6	17	5	41	14	83	24	121	35	202
RHC-C	2	2	5	10	4	11	17	53	14	94	21	92	18	123	23	94
RHC-E	2	0	2	4	1	5	4	4	1	4	5	12	7	6	10	8
RHC-P	0	8	3	9	5	17	8	34	10	52	9	31	14	39	10	44
CENTCOM	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0

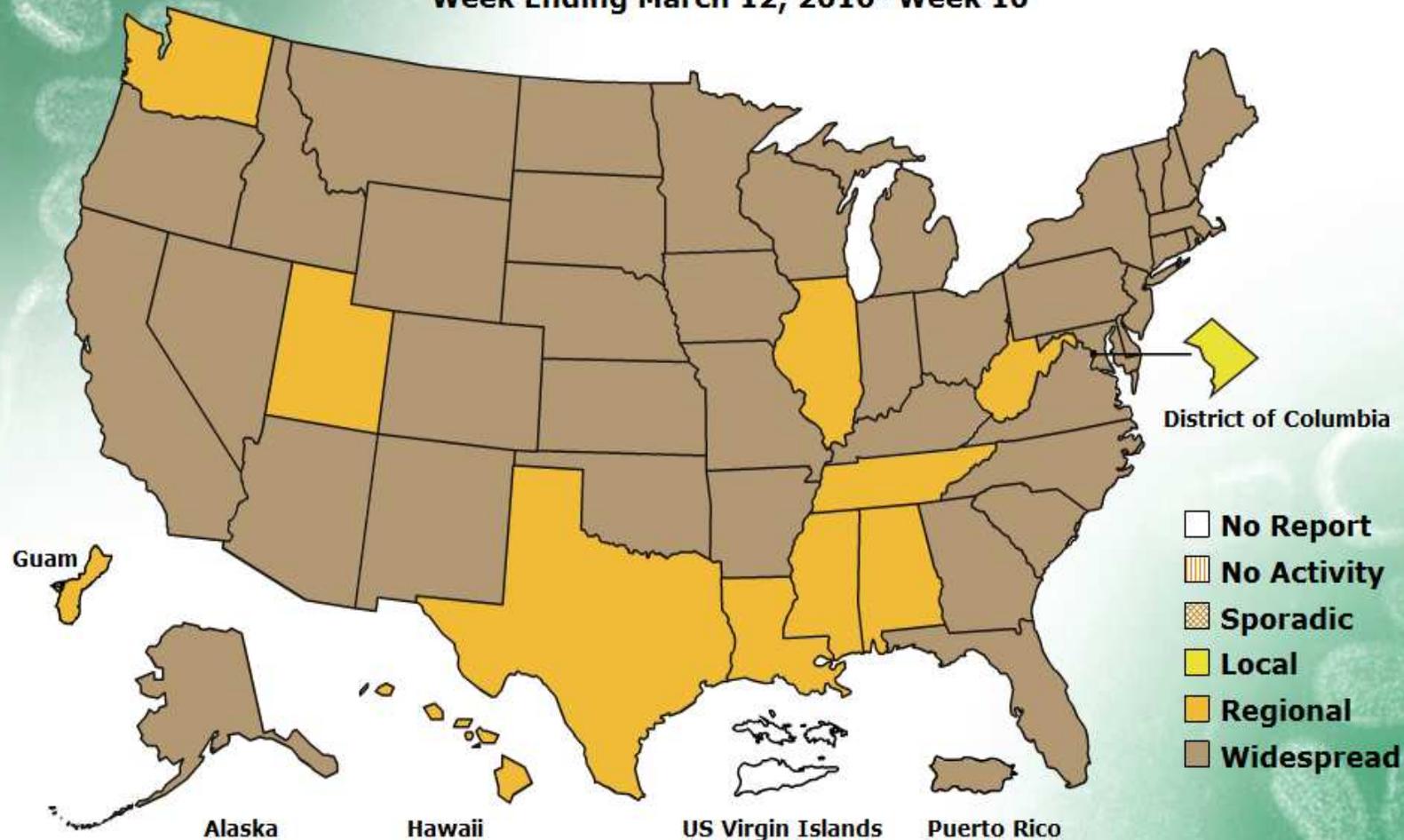
Locations providing week 10 laboratory data as of 15 March 2016: Korea, Ft Belvoir (NCR), Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Huachuca, Ft Irwin, Ft Jackson, Ft Knox, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft 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 March 12, 2016- Week 10



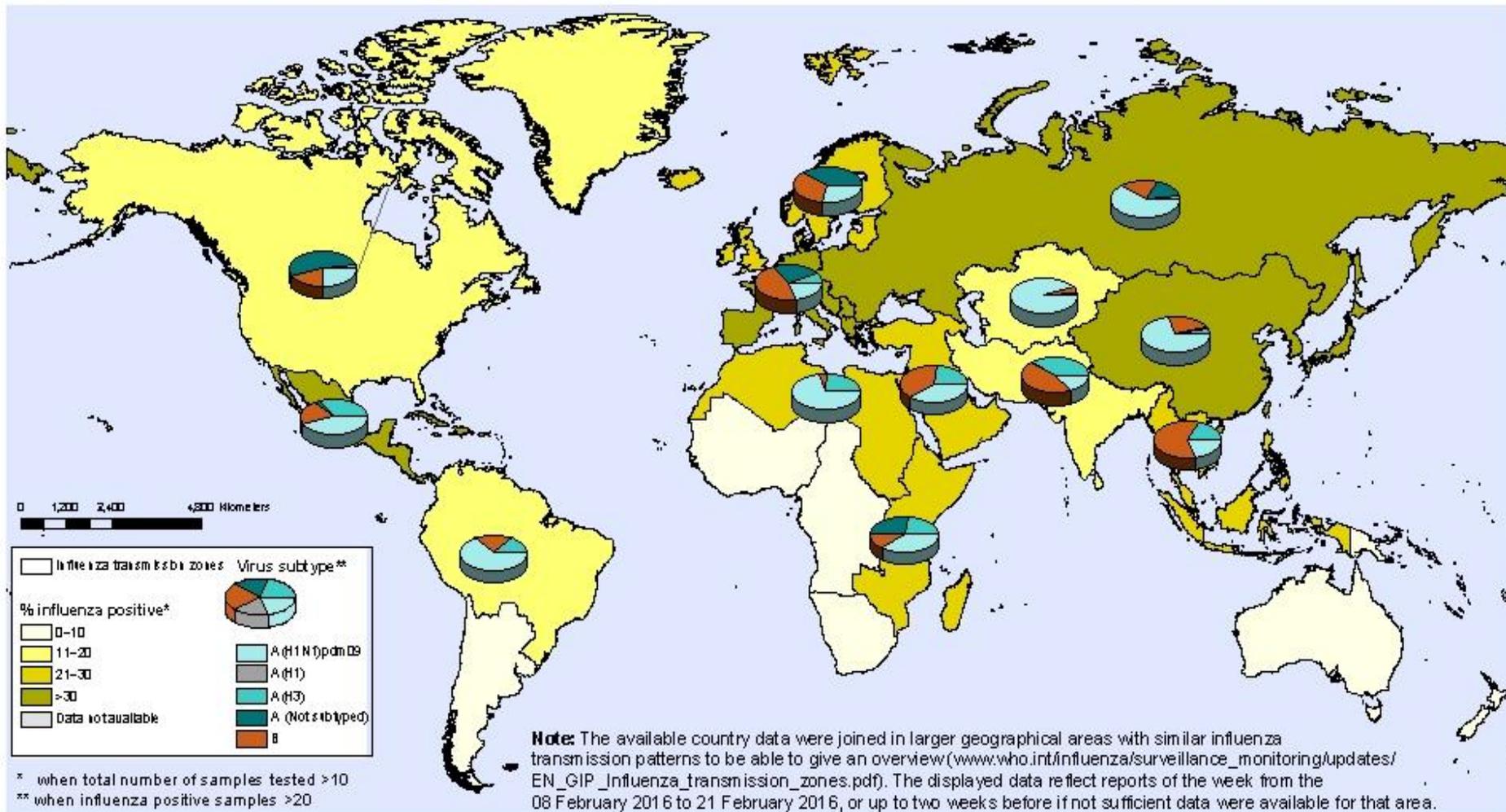
[«Previous Week](#)

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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 03 March 2016



* when total number of samples tested >10
** when influenza positive samples >20

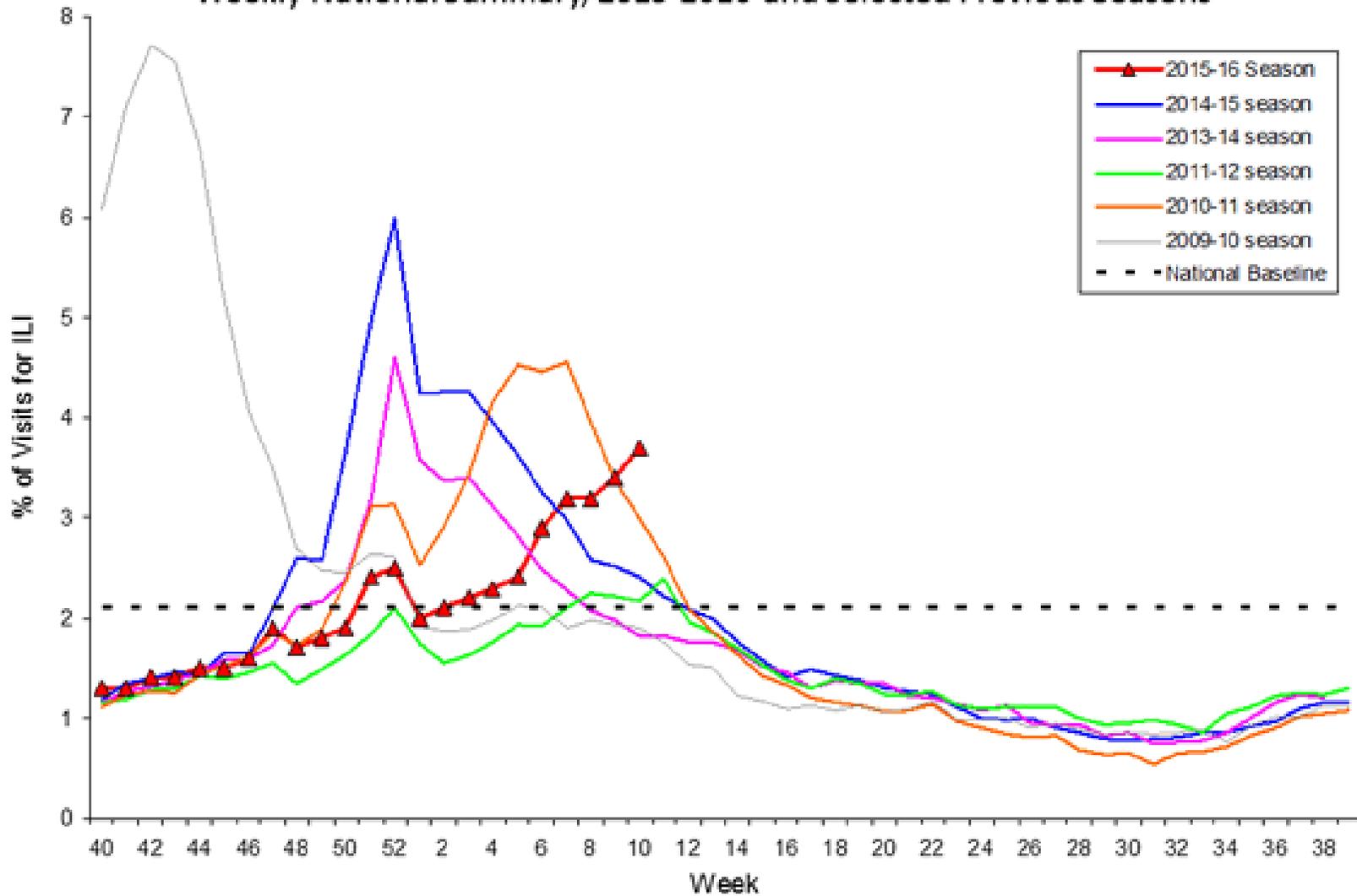
The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers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

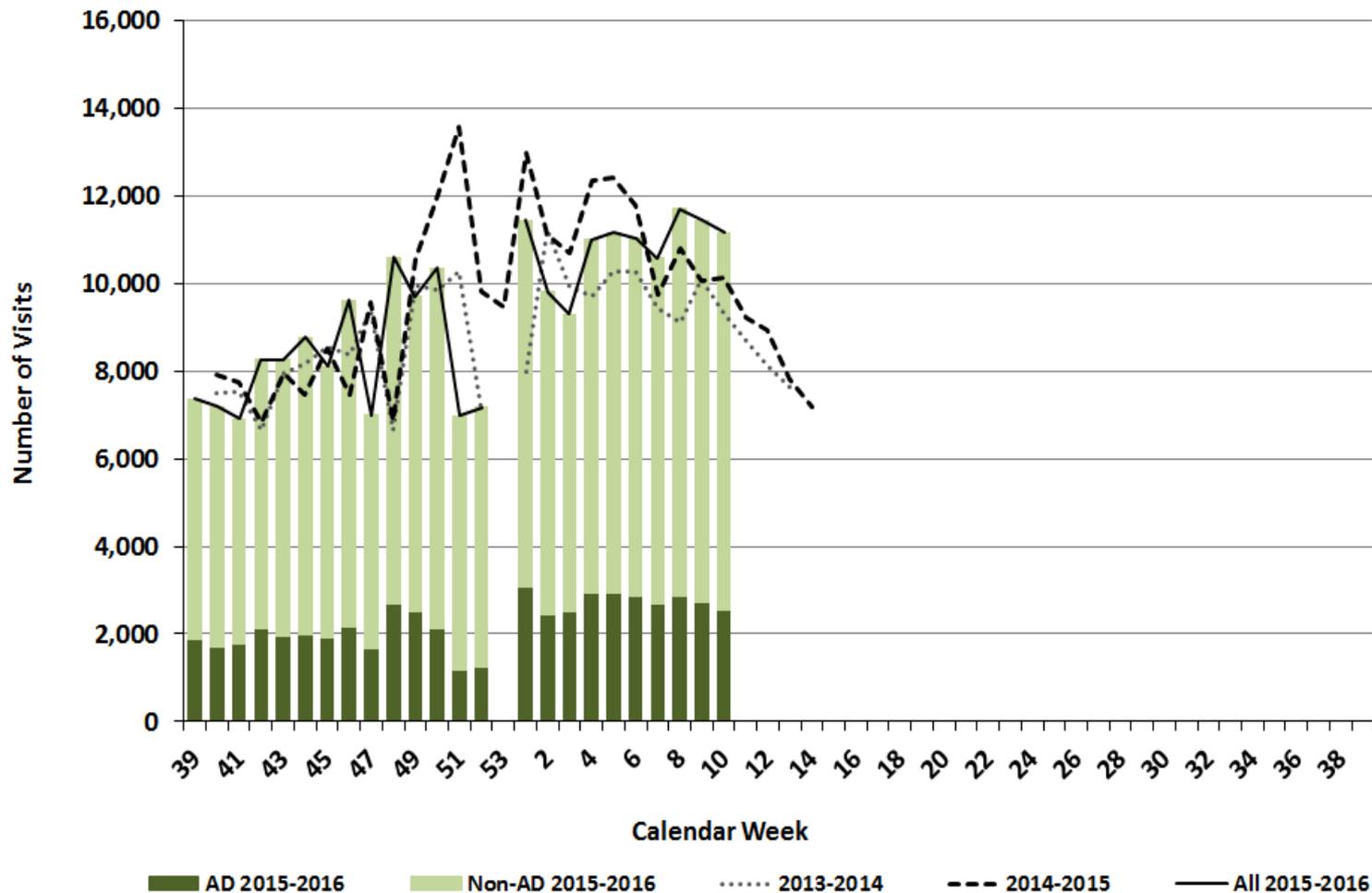


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Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2015-2016 and Selected Previous Seasons



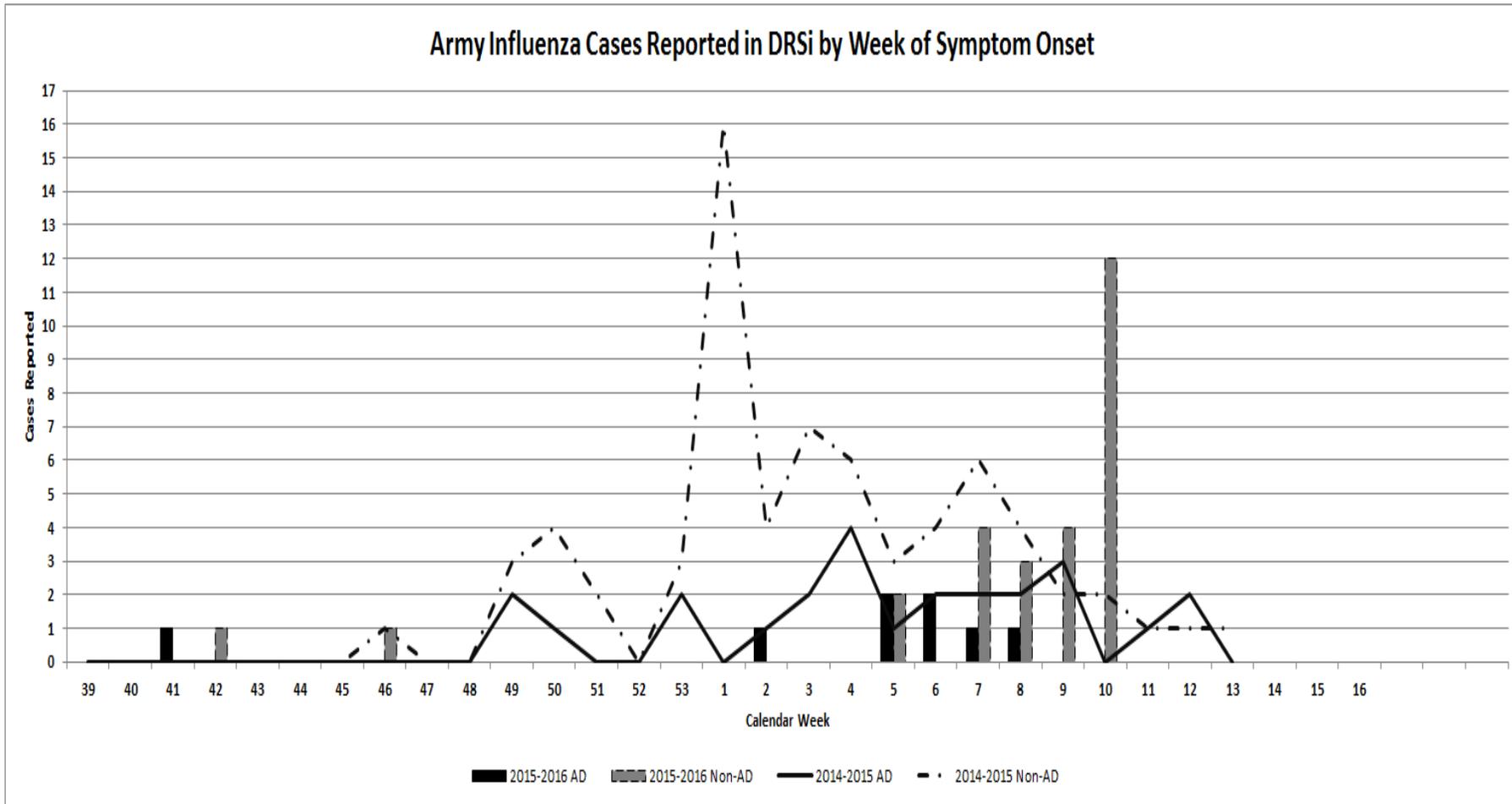
ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness
Army MTFs, All Services, 2013-2016



Clinic visits for ILI are obtained from ESSENCE. Data as of 16 March 2016.

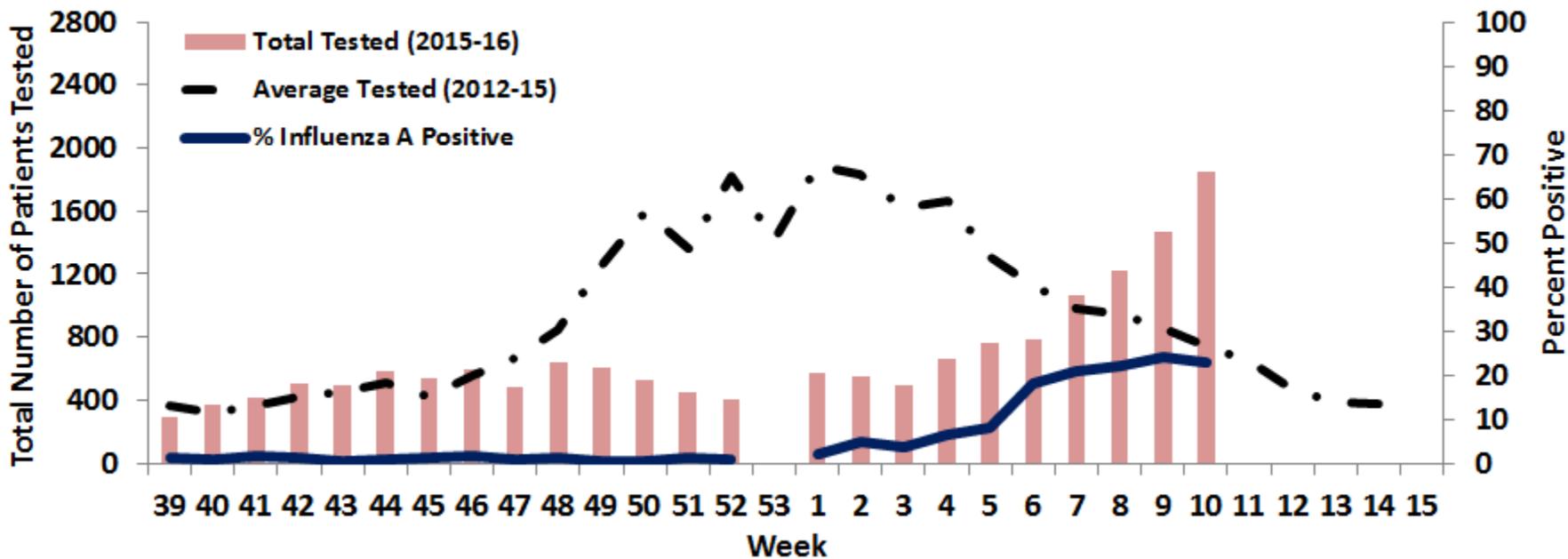
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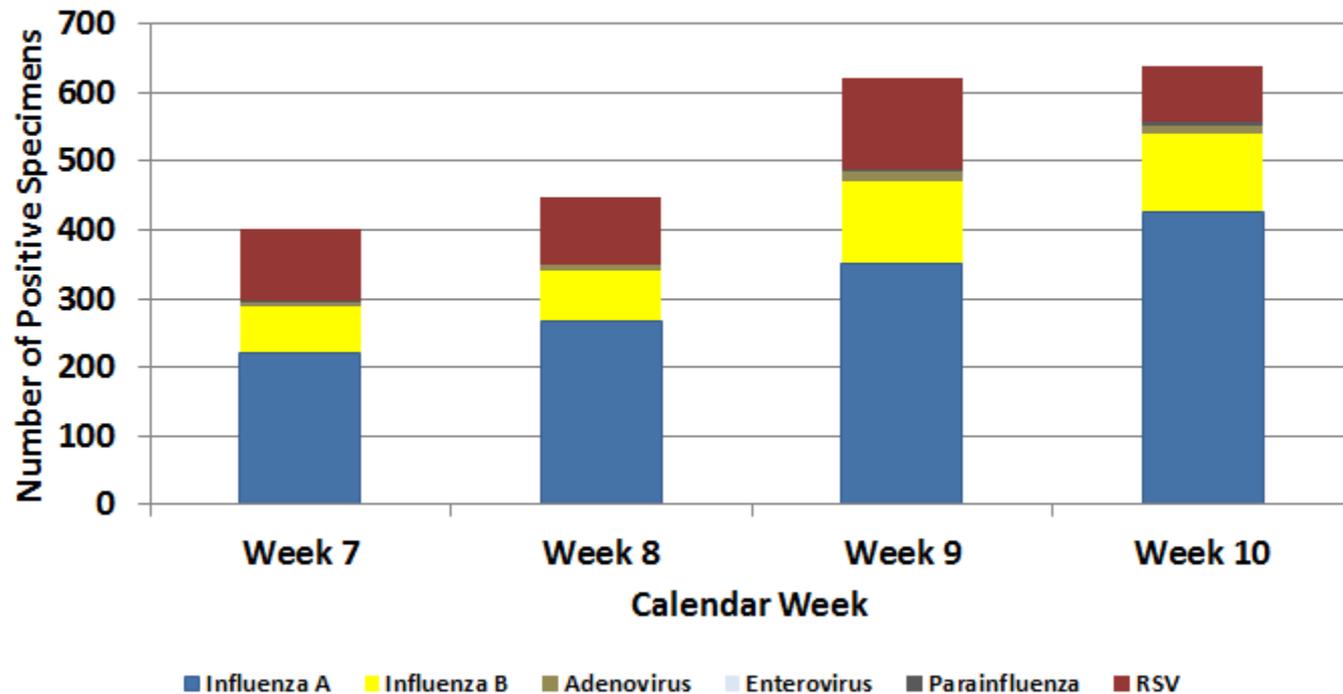


Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information
 Data as of 16 March 2016.

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



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CENTCOM	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0