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U.S. Army Influenza Activity Report

Week Ending 9 April 2016 (Week 14)

2015-2016 Seasonal Influenza Vaccination Coverage

As of 25 February 2016

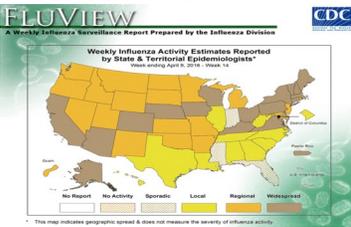
95%	DOD
97%	Army Active Duty
93%	Army Guard
84%	Army Reserve

*Source: DHA

SYNOPSIS: RHC-Europe demonstrated a decline in influenza activity. Influenza continues to decrease in the other regions.

- **ILI Activity:** Army incident ILI outpatient visits in week 14 decreased from week 13. ILI visits were 6% higher than the same week last year.
- **Influenza cases:** Three hospitalized influenza cases were reported to APHC (Prov) through DRSi in week 14; one AD SM and two non-AD beneficiaries. The non-AD cases were unvaccinated and had underlying conditions.
- **Viral specimens:** During week 14, 261 of 1049 (25%) laboratory specimens tested positive for respiratory pathogens. RHC-A reported 52 influenza A-positive specimens, RHC-C reported 35, RHC-P reported 21, RHC-E reported 14, and CENTCOM reported 1.

Geographic Spread

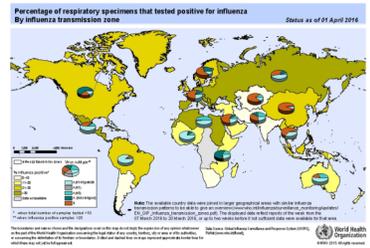


United States

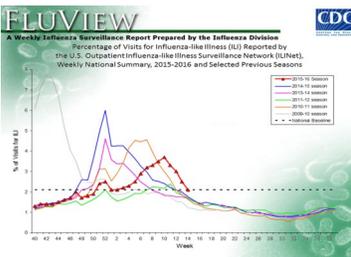
- In week 14, widespread and regional influenza activity was reported in Puerto Rico, Guam, and 37 states. The District of Columbia and ten states reported local influenza activity, while sporadic activity was reported in three states and the US Virgin Islands.

World Health Organization

- In Europe, high level of influenza activity continues to be reported with increasing detections of influenza B virus. In most countries influenza activity seemed to have peaked.

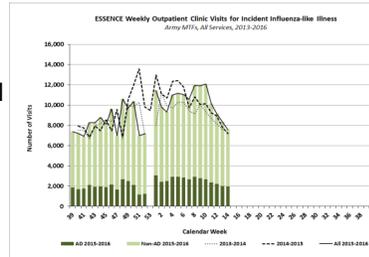


ILI Activity United States



- Nationwide, during week 14, 2.1% of outpatient visits reported in ILINet were due to ILI, which is the same as the national baseline of 2.1%.
- The percentage of ILI outpatient visits ranged from 1.5% to 2.9% across all reporting regions.

ILI Activity Army



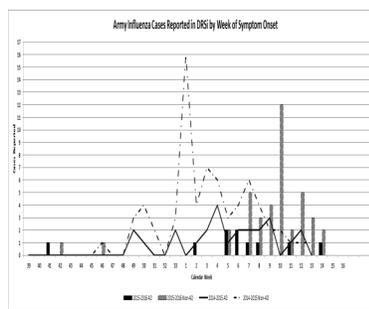
- During week 14, incident ILI activity was 6% higher than the same time last year and 9% lower than last week.
- AD SMs accounted for 26% of incident ILI clinic visits during week 14. In 2014-2015, AD SMs comprised 24% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Test Result	Week 11	Week 12	Week 13	Week 14	Season Total
Influenza A	323	281	198	123	2566
Influenza B	113	117	89	88	935
Adenovirus	20	11	8	10	267
Enterovirus	0	0	0	0	21
Parainfluenza	6	6	5	6	232
RSV	68	29	46	34	1837
Negative	1133	1034	891	788	19943
Total Results	1663	1478	1237	1049	25801

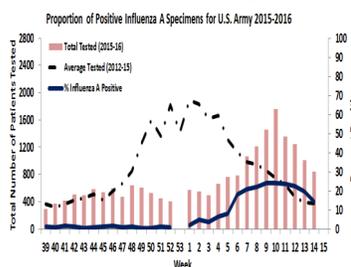
- In week 14, 25% (261) of specimens tested positive.
- Influenza A accounted for 47% of positive specimens.
- Influenza B accounted for 34% of positive specimens.
- RSV accounted for 13% of positive specimens while adenovirus accounted for 4%, and parainfluenza for 2%.

DRSi Influenza Case Reporting



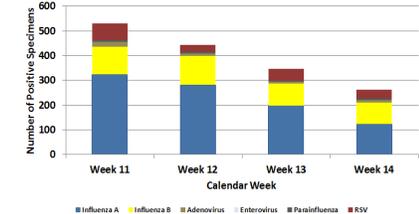
- In week 14, three cases of influenza-associated hospitalizations were reported in DRSi; one AD SM and two non-AD beneficiaries. The non-AD beneficiaries were unvaccinated and had underlying conditions, while the AD SM was vaccinated.
- A total of 50 hospitalized cases have been reported to date this season, compared to 95 last season.

Laboratory Testing for Influenza A



- In week 14, 123 of 843 (14.6%) specimens tested positive for influenza A. This was a decrease from week 13 (19.6%). 102 (83%) of the positive influenza A specimens were in non-AD personnel.
- RHC-A reported 52 (42%) of the total influenza A-positive specimens. RHC-C reported 35 (28%) positive specimens, RHC-P reported 21 (17%), RHC-E reported 14 (11%), and CENTCOM reported 1 positive specimen (<1%).

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

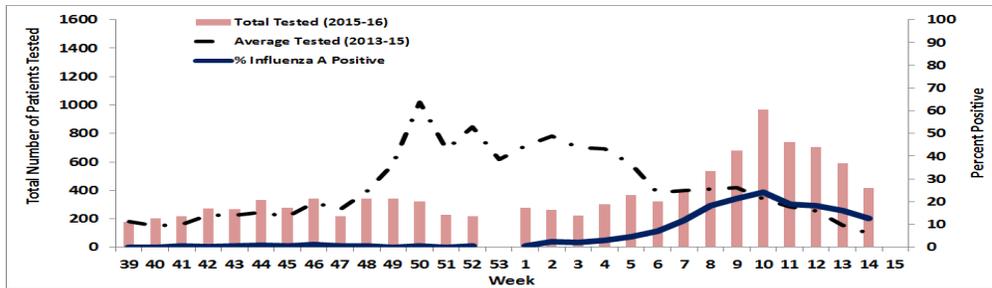
Questions?
[Email APHC-DEP](#)
 410-417-3774



U.S. Army Influenza Activity Report

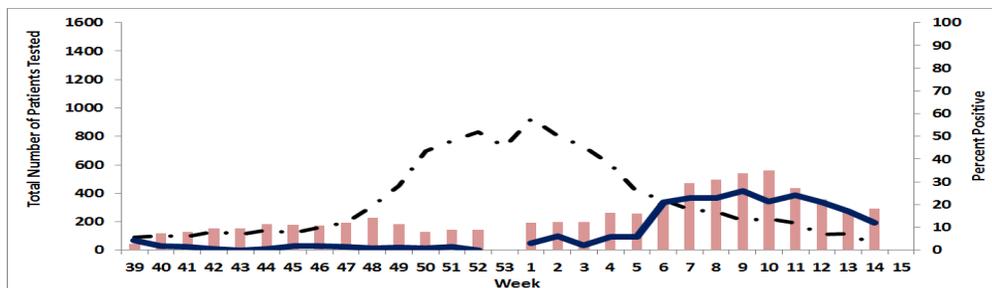
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2015-2016 as Compared to 2013-2015

Regional Health Command - Atlantic (RHC-A)



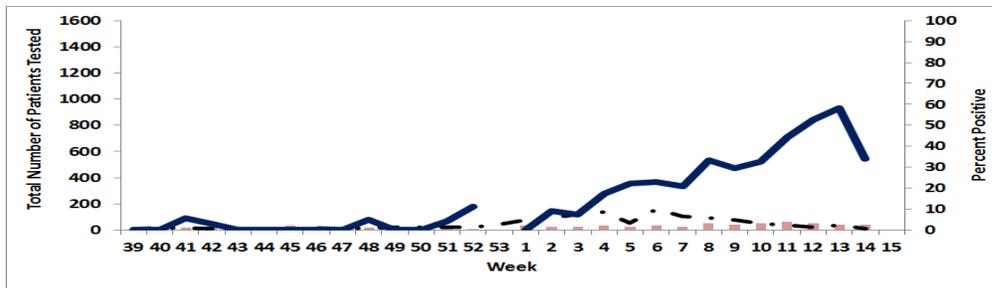
Week 14			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	24	539
18-29	2	8	117
30-39	1	3	119
40-49	4	1	108
50-59	0	6	81
60+	0	3	54
Total	7	45	1018

Regional Health Command - Central (RHC-C)



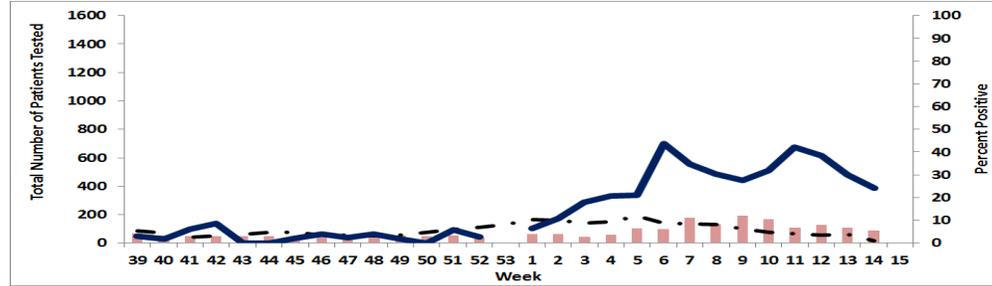
Week 14			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	15	447
18-29	5	4	131
30-39	0	3	121
40-49	0	3	78
50-59	0	5	64
60+	0	0	48
Total	5	30	889

Regional Health Command - Europe (RHC-E)



Week 14			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	4	58
18-29	1	1	35
30-39	5	2	56
40-49	1	0	21
50-59	0	0	4
60+	0	0	3
Total	7	7	177

Regional Health Command - Pacific (RHC-P)



Week 14			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	14	231
18-29	0	1	61
30-39	0	2	67
40-49	2	1	44
50-59	0	0	30
60+	0	1	39
Total	2	19	472

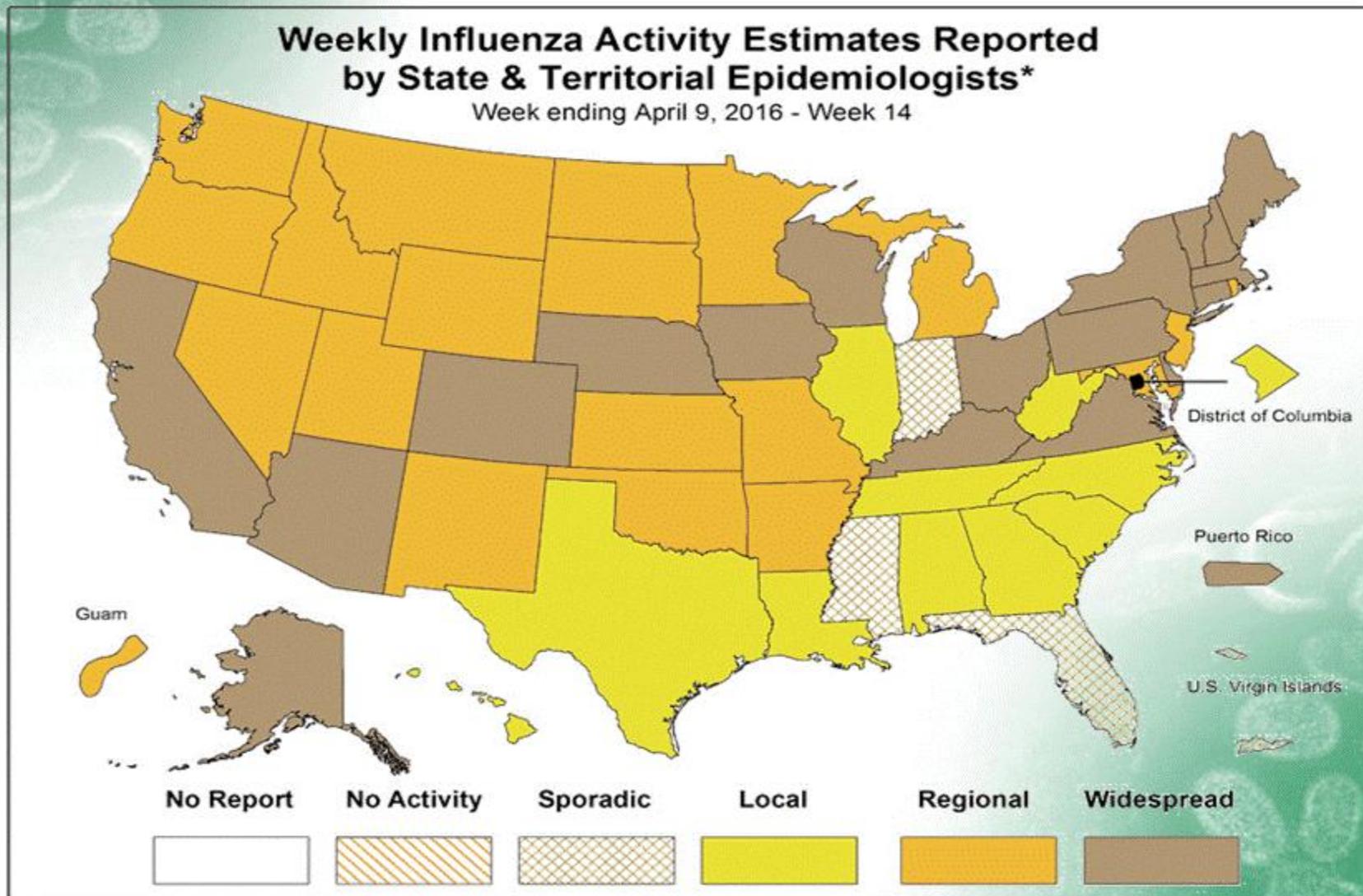
Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 7		Week 8		Week 9		Week 10		Week 11		Week 12		Week 13		Week 14	
	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	5	41	14	83	24	121	35	199	20	120	19	109	11	84	7	45
RHC-C	14	94	21	92	18	123	23	97	14	91	10	66	12	33	5	30
RHC-E	1	4	5	12	7	6	10	8	11	17	21	7	13	12	7	7
RHC-P	10	52	9	31	14	39	10	44	5	40	5	44	10	22	2	19
CENTCOM	0	1	0	0	0	0	0	0	2	3	0	0	0	1	0	1

Locations providing week 14 laboratory data as of 12 April 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

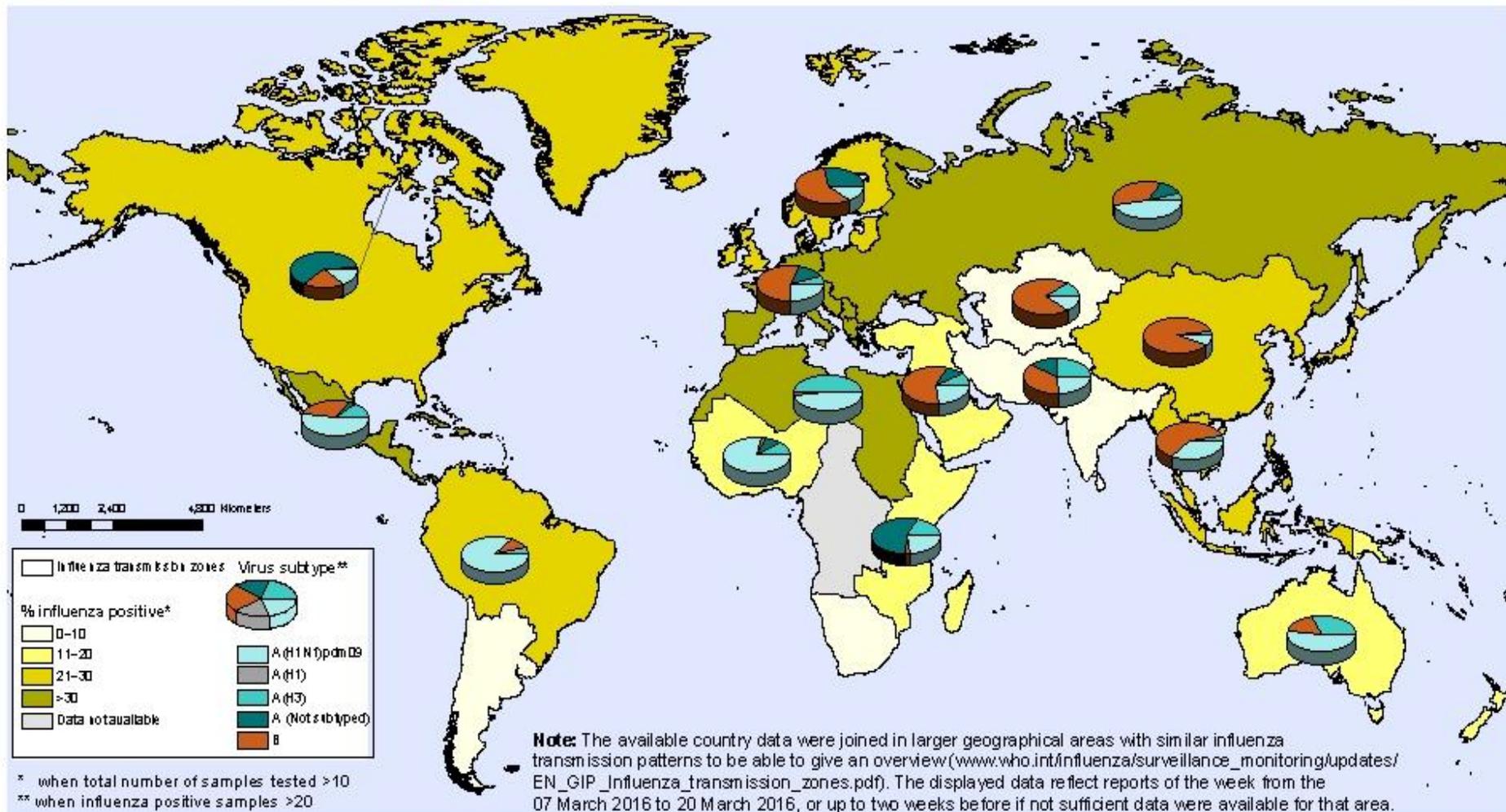
A Weekly Influenza Surveillance Report Prepared by the Influenza Division



* 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 01 April 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/fluinet).



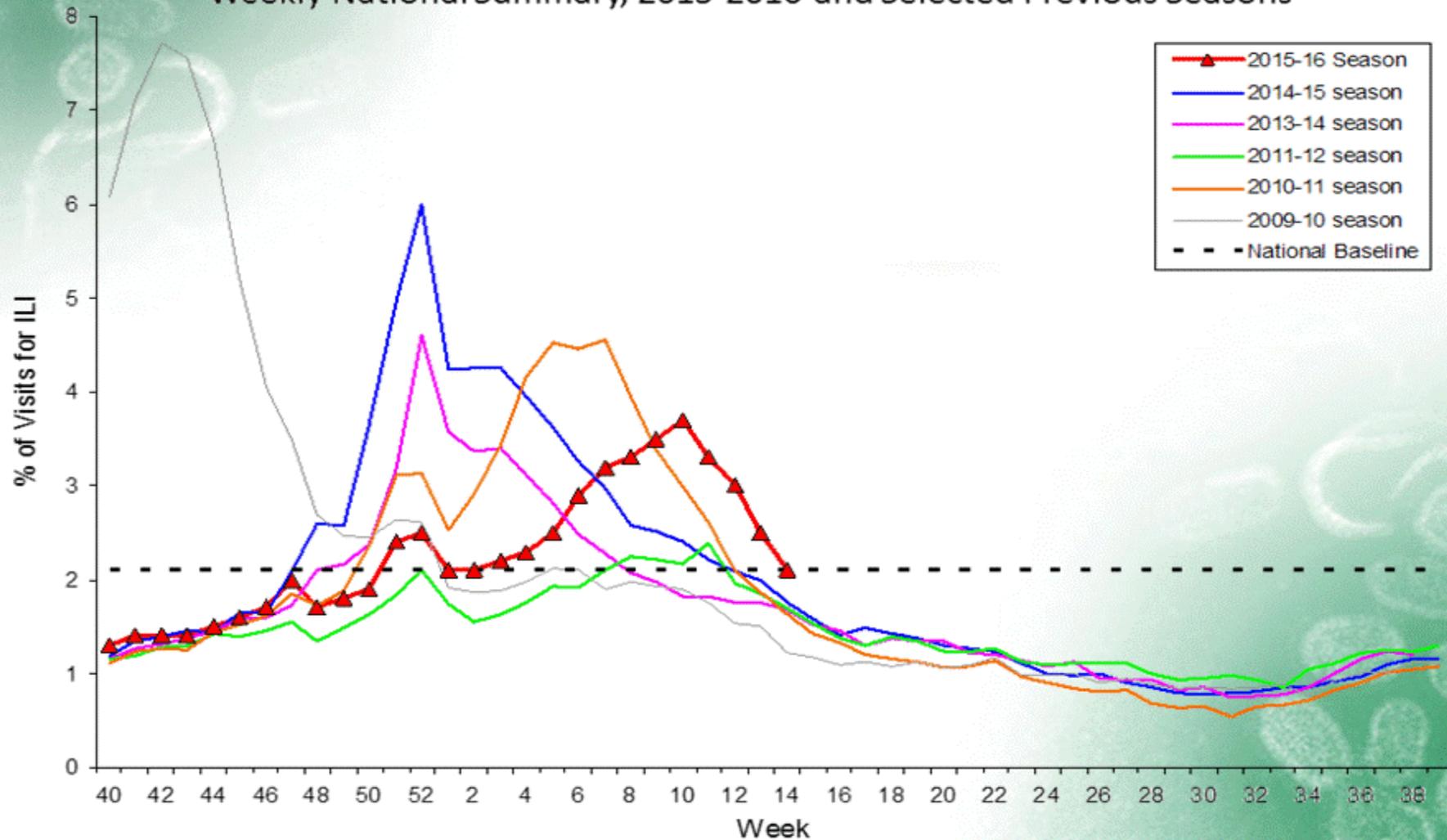
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FLUVIEW



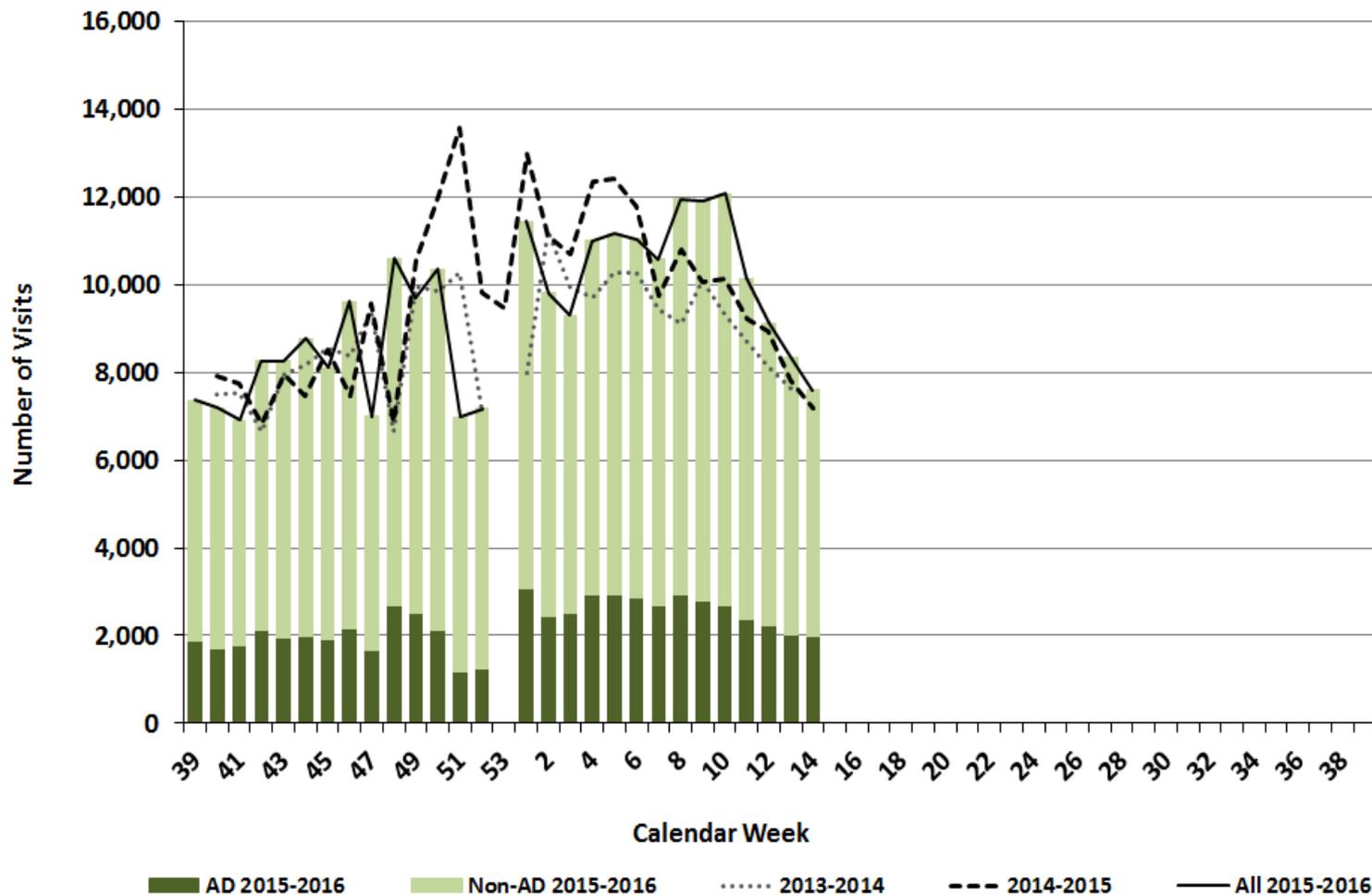
A Weekly Influenza Surveillance Report Prepared by the Influenza Division

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

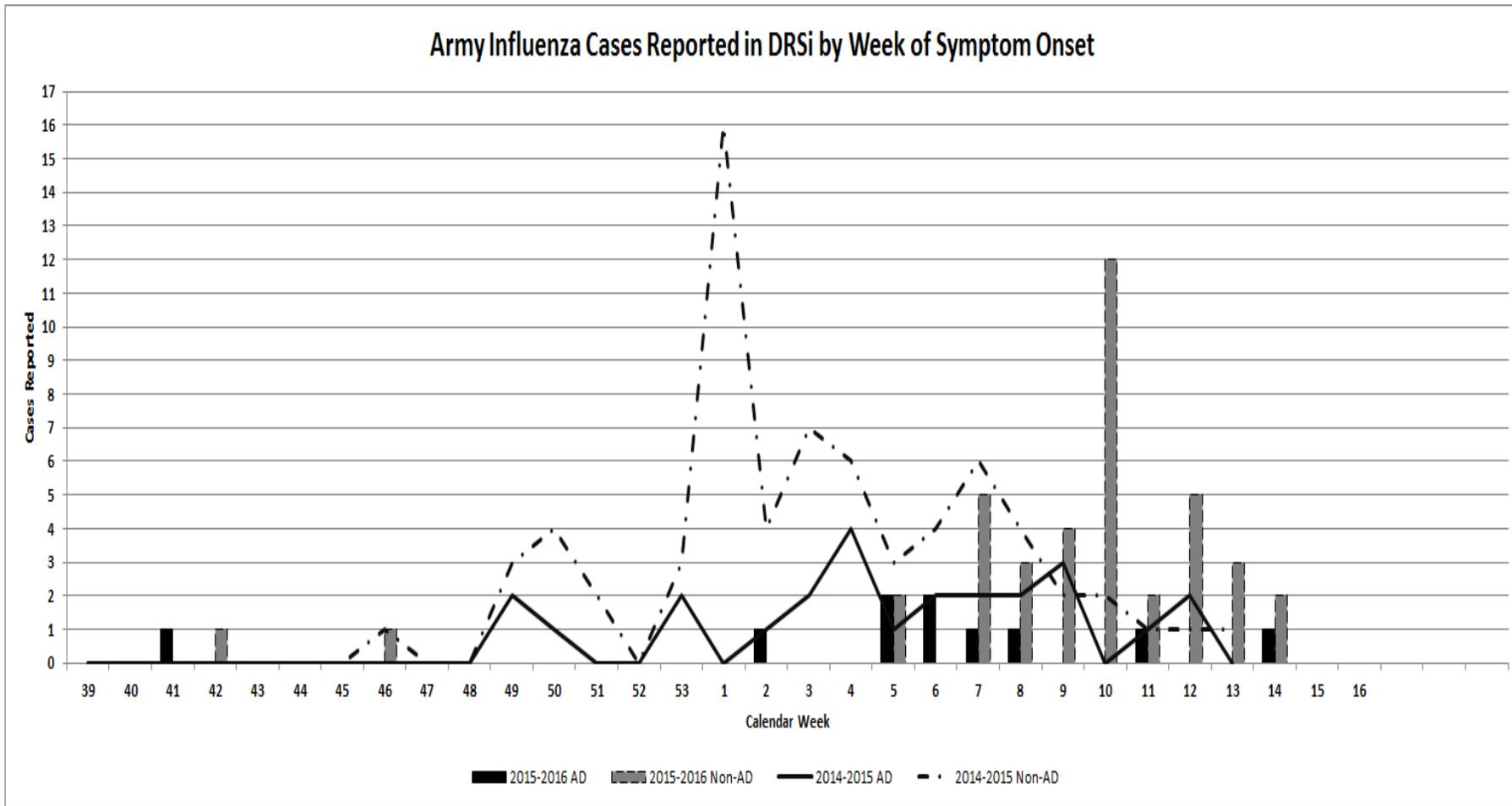
Army MTFs, All Services, 2013-2016



Clinic visits for ILI are obtained from ESSENCE. Data as of 14 April 2016.

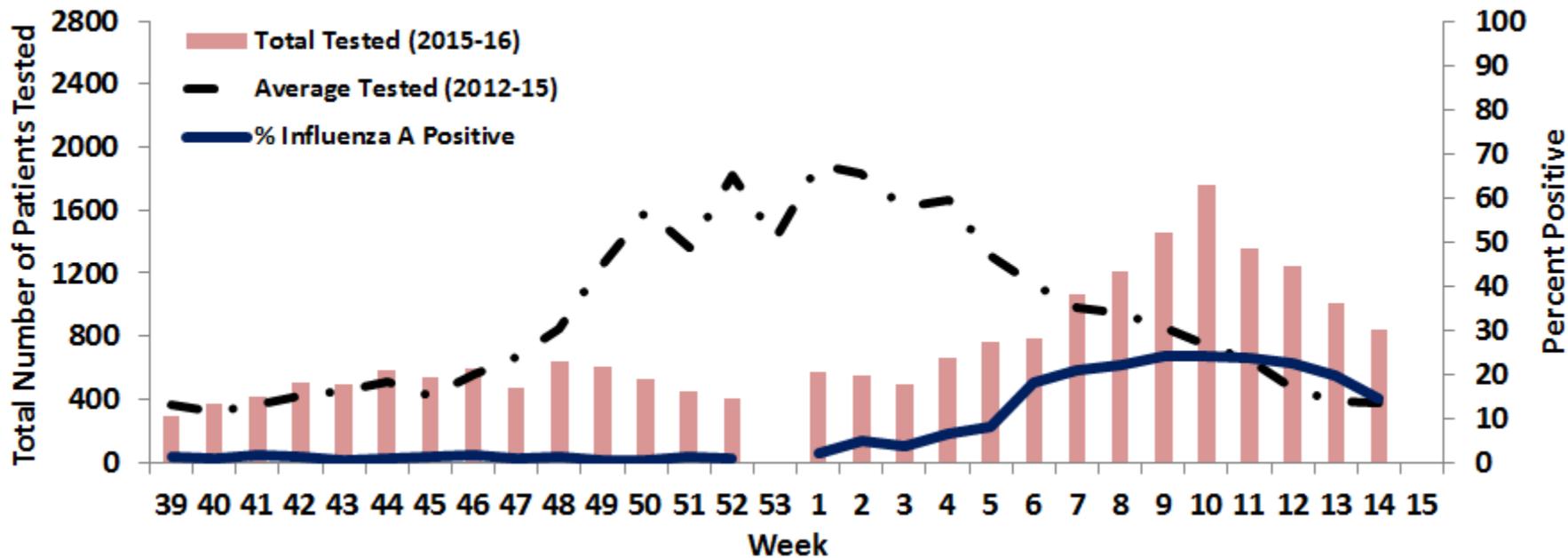
Army MTF Laboratory Results, 2015-16

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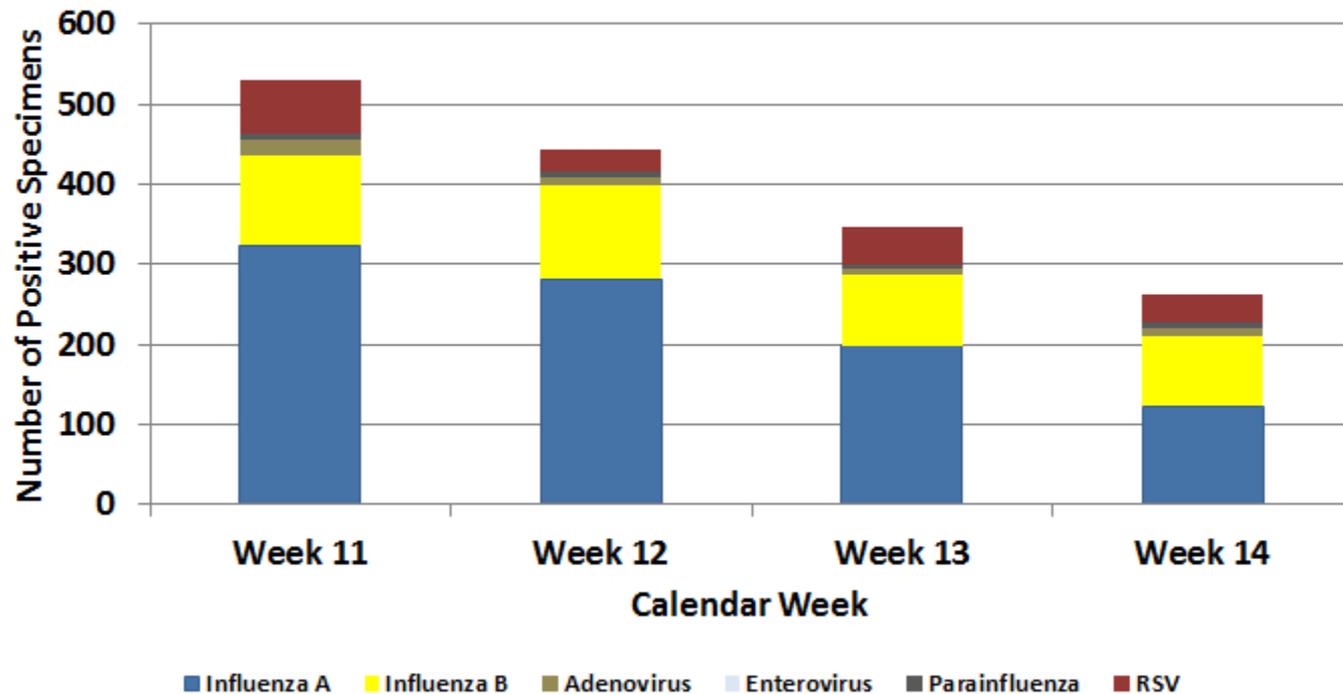


Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information
 Data as of 14 April 2016.

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



Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 7		Week 8		Week 9		Week 10		Week 11		Week 12		Week 13		Week 14	
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RHC-C	14	94	21	92	18	123	23	97	14	91	10	66	12	33	5	30
RHC-E	1	4	5	12	7	6	10	8	11	17	21	7	13	12	7	7
RHC-P	10	52	9	31	14	39	10	44	5	40	5	44	10	22	2	19
CENTCOM	0	1	0	0	0	0	0	0	2	3	0	0	0	1	0	1