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U.S. Army Influenza Activity Report

Week Ending 30 April 2016 (Week 17)

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: All regions demonstrated an overall decline in influenza activity since a peak in week 10. This decrease in influenza activity has also been noticed in the civilian population.

- **ILI Activity:** Army incident ILI outpatient visits in week 17 decreased from week 16. ILI visits were 4% lower than last week.
- **Influenza cases:** Two hospitalized influenza cases were reported to APHC (Prov) through DRSi in week 17; both non-AD beneficiaries. The cases were vaccinated but one had an underlying condition.
- **Viral specimens:** During week 17, 123 of 730 (17%) laboratory specimens tested positive for respiratory pathogens. RHC-A reported 16 influenza A-positive specimens, RHC-C reported 10, RHC-P reported 9, and RHC-E reported 1. CENTCOM did not report any positive influenza A specimens.

Geographic Spread

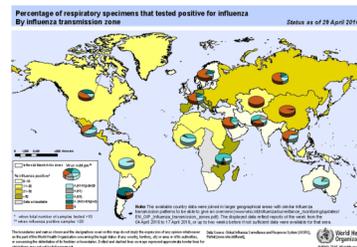


United States

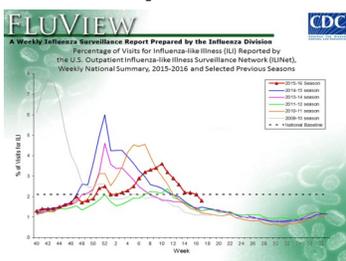
- In week 17, widespread and regional influenza activity was reported in Puerto Rico, Guam, and 15 states. The District of Columbia and seventeen states reported local influenza activity, while sporadic activity was reported in eleven states and the US Virgin Islands.

World Health Organization

- Influenza activity in the Northern Hemisphere continued to decrease. A predominance of influenza B virus activity continued to be reported in parts of North America.

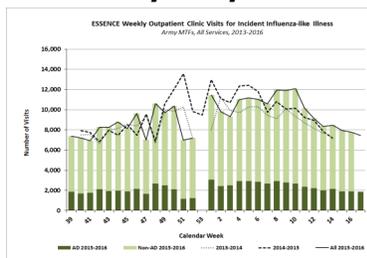


ILI Activity United States



- Nationwide, during week 17, 1.8% 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 0.7% to 3.0% across all reporting regions.

ILI Activity Army



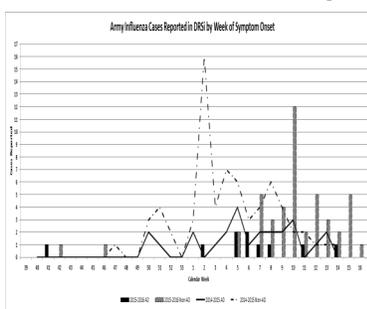
- During week 17, incident ILI activity was 4% lower than last week and 6% lower than week 15.
- AD SMs accounted for 25% of incident ILI clinic visits during week 17.

Laboratory Respiratory Specimen Testing

Test Result	Week 14	Week 15	Week 16	Week 17	Season Total
Influenza A	121	103	60	36	2763
Influenza B	87	78	57	50	1119
Adenovirus	10	13	13	12	305
Enterovirus	0	0	2	0	23
Parainfluenza	6	11	6	9	258
RSV	34	35	12	16	1900
Negative	739	808	537	607	21802
Total Results	997	1048	687	730	28170

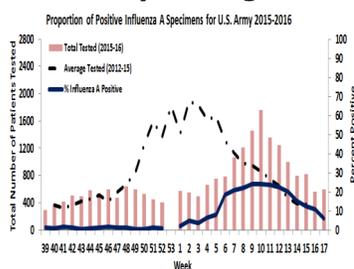
- In week 17, 17% (123) of specimens tested positive.
- Influenza A accounted for 29% of positive specimens.
- Influenza B accounted for 41% of positive specimens.
- RSV accounted for 13% of positive specimens, adenovirus accounted for 10%, and parainfluenza for 8%.

DRSi Influenza Case Reporting



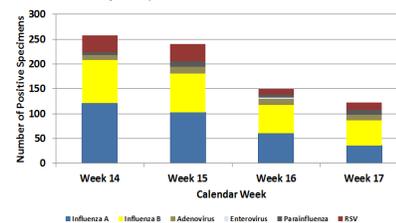
- In week 17, two cases of influenza-associated hospitalizations were reported in DRSi; both were non-AD beneficiaries. The cases were vaccinated but one had an underlying condition.
- A total of 58 hospitalized cases were reported this season.
- A total of 95 hospitalized cases were reported in the 2014-2015 season.

Laboratory Testing for Influenza A



- In week 17, 36 of 591 (6.1%) specimens tested positive for influenza A. This was a decrease from week 15 (10.7%). 27 (75%) of the positive influenza A specimens were in non-AD personnel.
- RHC-A reported 16 (44%) of the total influenza A-positive specimens. RHC-C reported 10 (28%) positive specimens, RHC-P reported 9 (25%), and RHC-E reported 1 (3%). 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

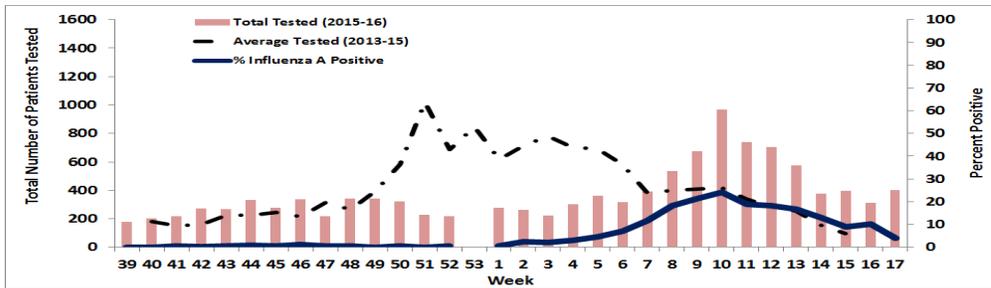
Questions?
Email APHC-DEP
 410-417-3774



U.S. Army Influenza Activity Report

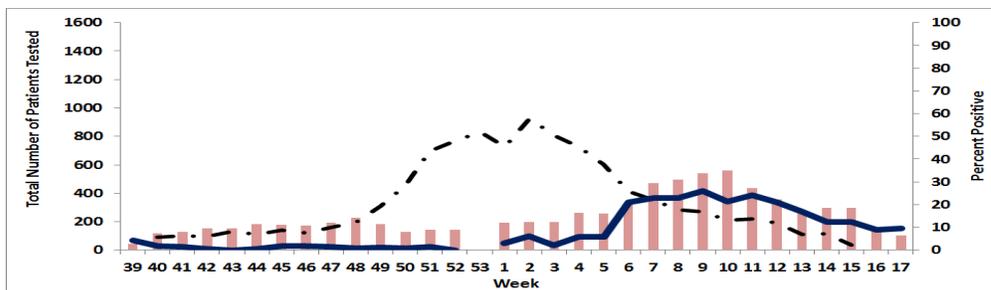
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2015-2016 as Compared to 2013-2015

Regional Health Command - Atlantic (RHC-A)



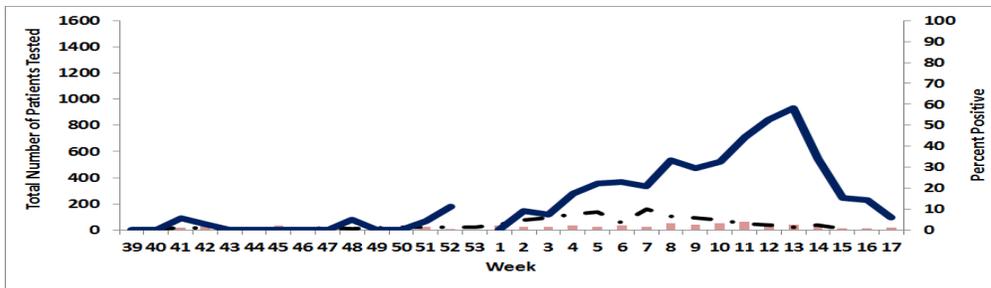
Week 17			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	11	579
18-29	0	0	124
30-39	1	2	131
40-49	0	0	117
50-59	0	2	89
60+	0	0	58
Total	1	15	1098

Regional Health Command - Central (RHC-C)



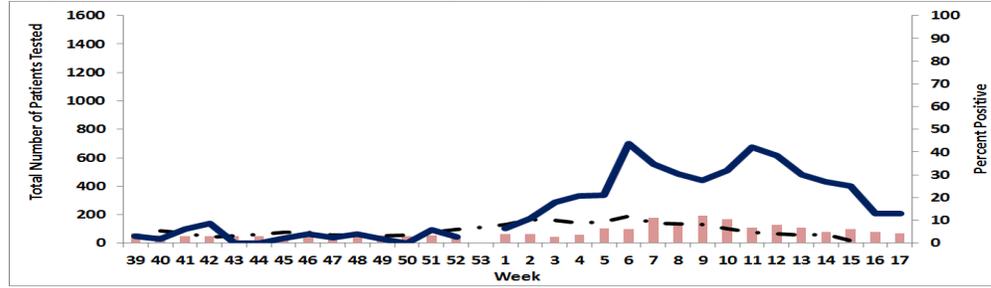
Week 17			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	3	473
18-29	2	1	147
30-39	2	0	127
40-49	0	0	83
50-59	1	0	69
60+	0	1	52
Total	5	5	951

Regional Health Command - Europe (RHC-E)



Week 17			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	60
18-29	0	0	37
30-39	0	0	56
40-49	0	0	21
50-59	0	0	4
60+	0	0	4
Total	0	1	182

Regional Health Command - Pacific (RHC-P)



Week 17			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	4	247
18-29	1	0	68
30-39	2	0	76
40-49	0	0	47
50-59	0	1	33
60+	0	1	44
Total	3	6	515

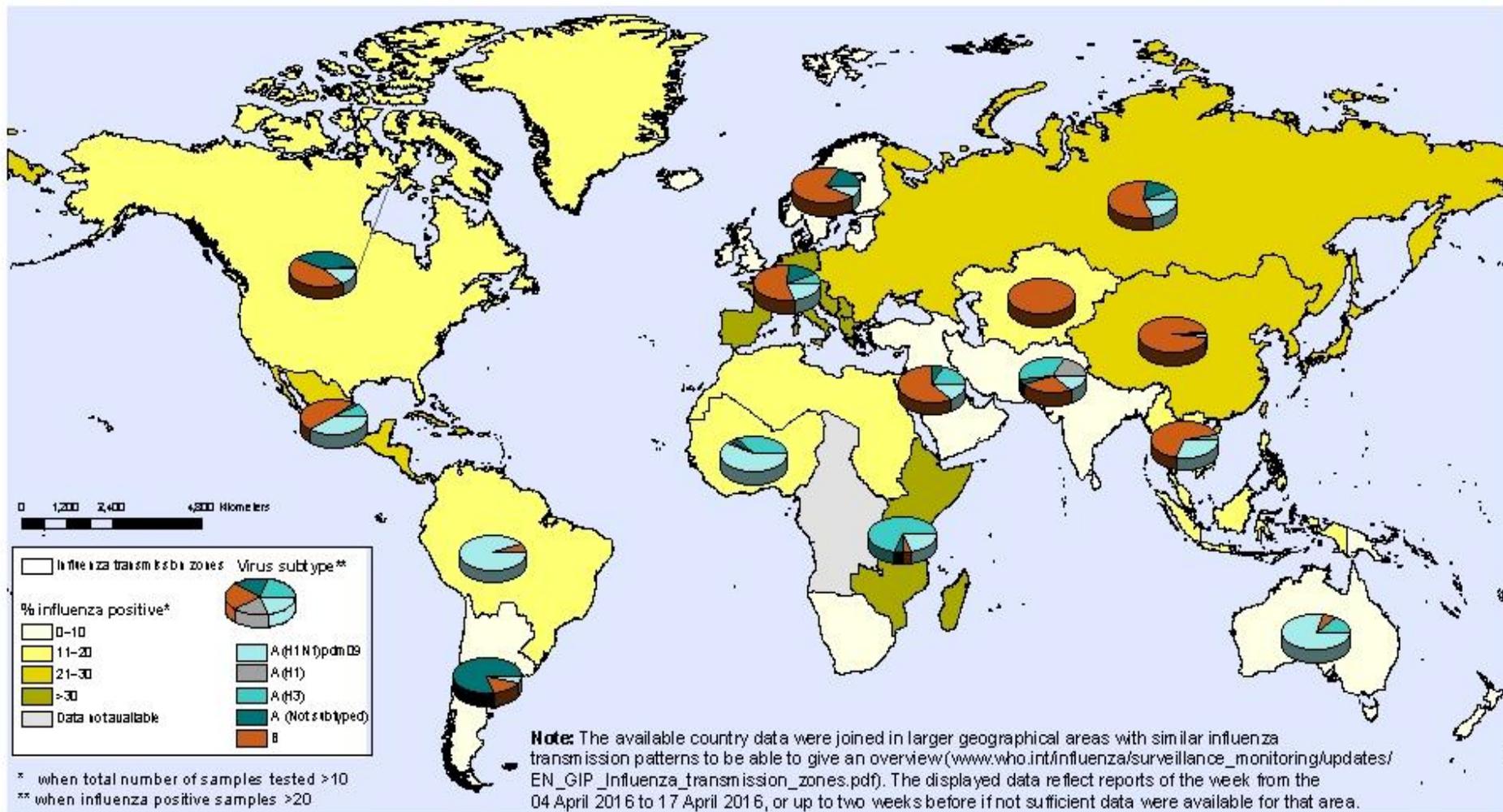
Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 10		Week 11		Week 12		Week 13		Week 14		Week 15		Week 16		Week 17	
	AD	Non-AD														
RHC-A	35	199	20	120	19	109	11	84	6	43	4	31	5	27	1	15
RHC-C	23	97	14	91	10	66	12	33	5	31	5	32	4	10	5	5
RHC-E	10	8	11	17	21	7	13	12	7	7	1	1	0	2	0	1
RHC-P	10	44	5	40	5	44	10	22	2	19	4	20	1	9	3	6
CENTCOM	0	0	2	3	0	0	0	1	0	1	4	1	2	0	0	0

Locations providing week 17 laboratory data as of 4 May 2016: Korea, Ft Belvoir (NCR), Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Drum, Ft Eustis, Ft Gordon, Ft Huachuca, Ft Irwin, Ft Jackson, Ft Knox, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Landstuhl, Redstone Arsenal, Tripler, West Point, and Walter Reed.

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

Status as of 29 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.

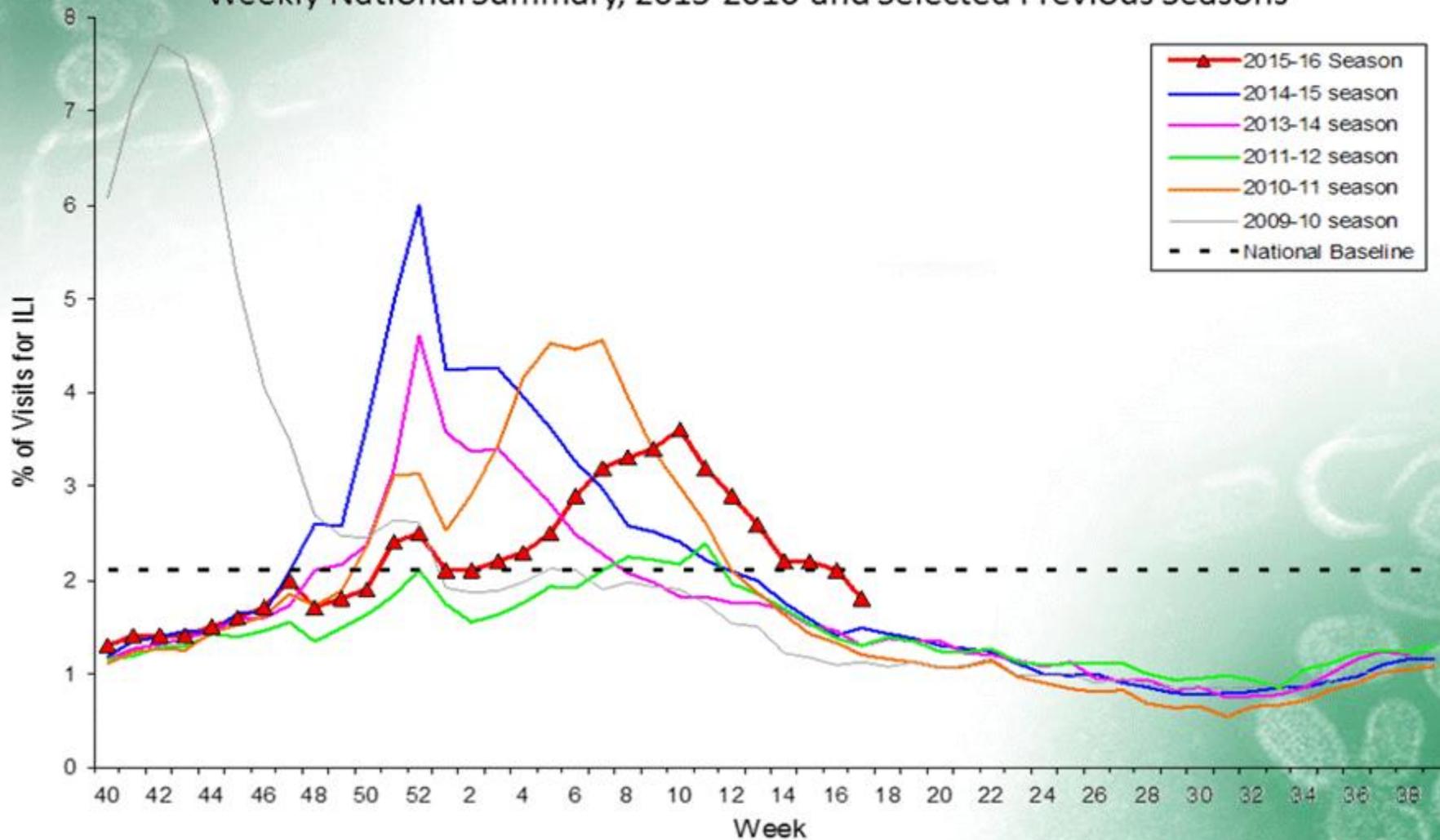
Data Source: Global Influenza Surveillance and Response System (GISRS), FluNet (www.who.int/flu-net).

FLUVIEW

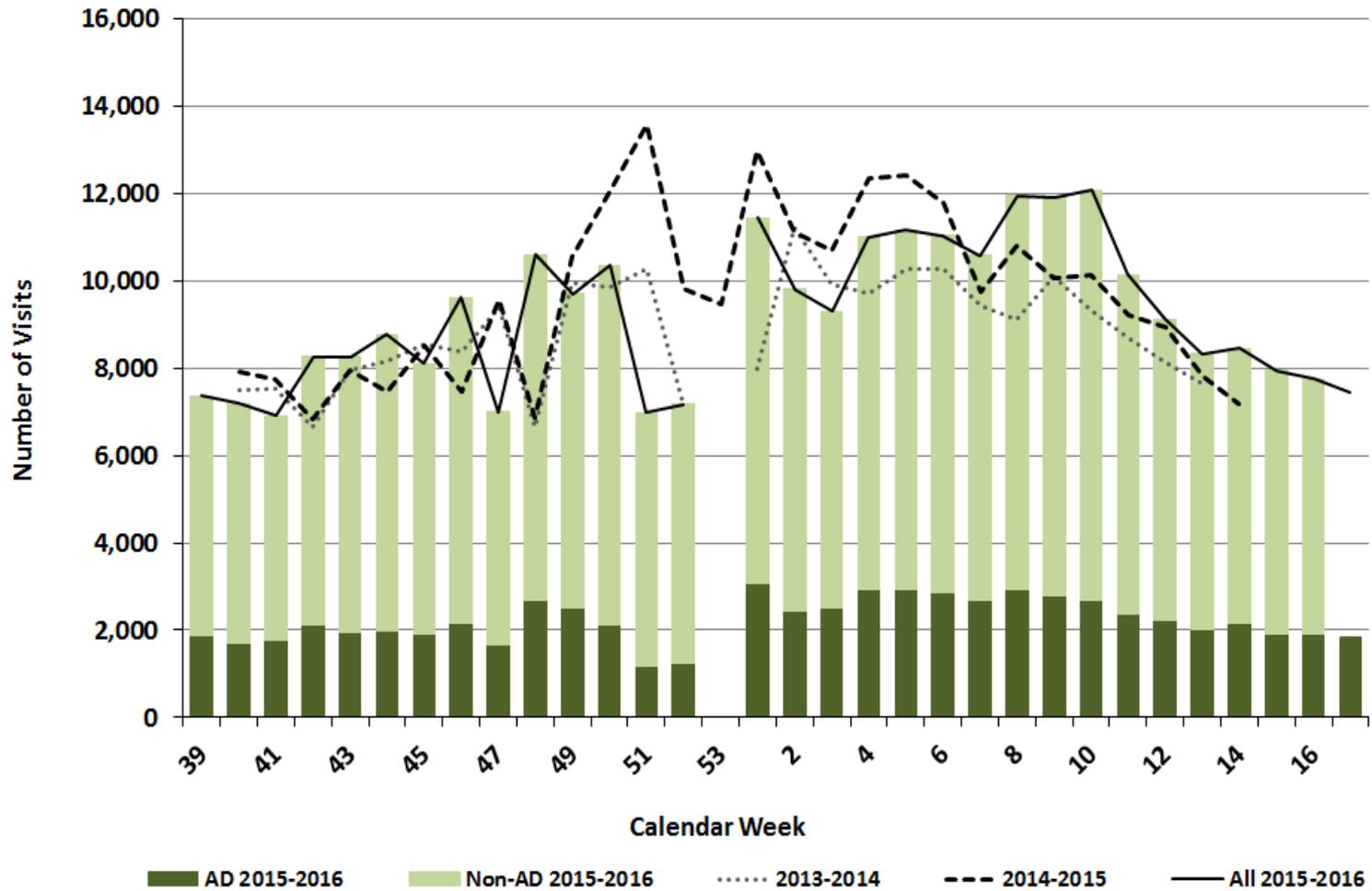


A Weekly Influenza Surveillance Report Prepared by the Influenza Division

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



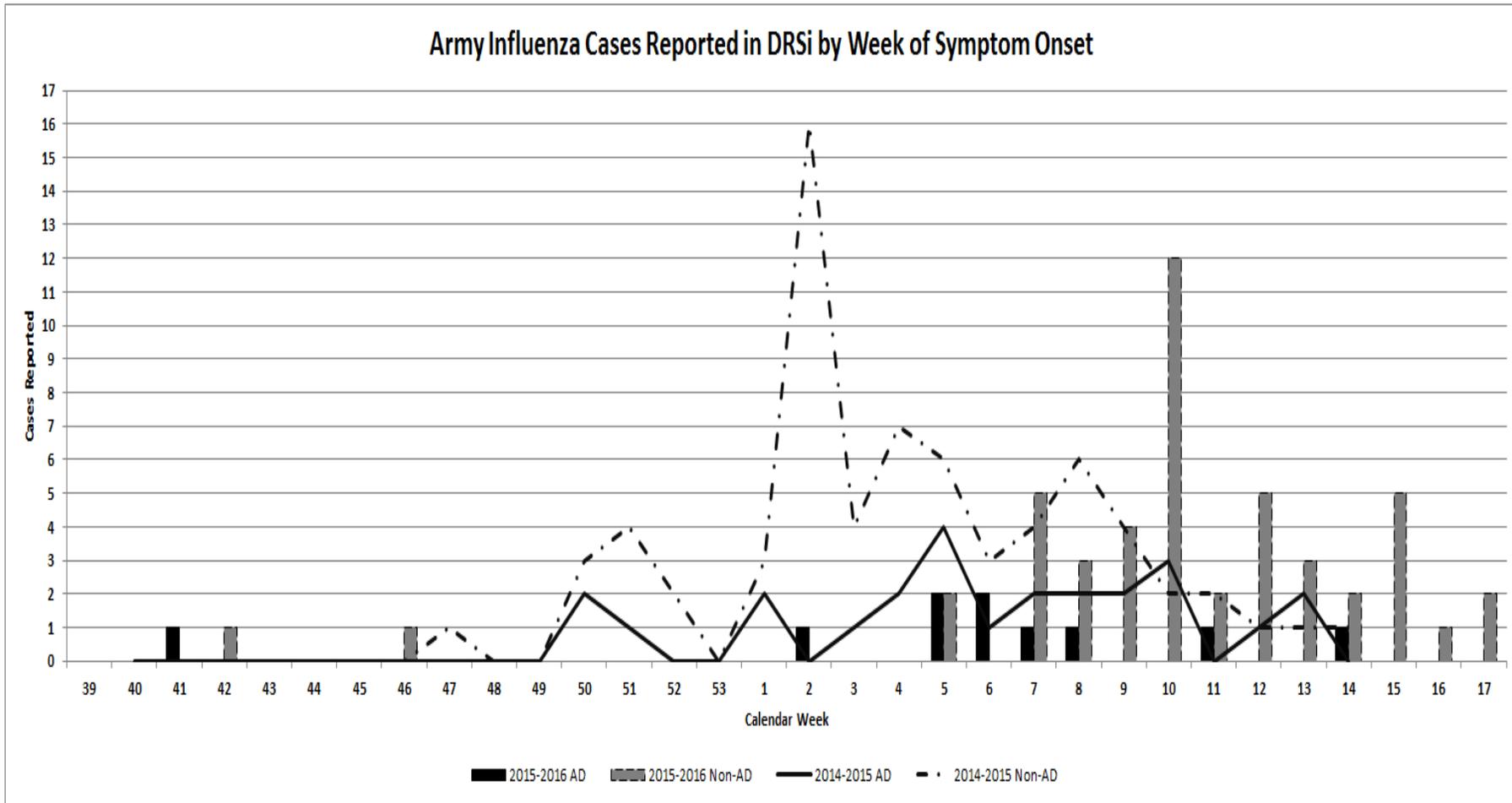
ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness
Army MTFs, All Services, 2013-2016



Clinic visits for ILI are obtained from ESSENCE. Data as of 5 May 2016.

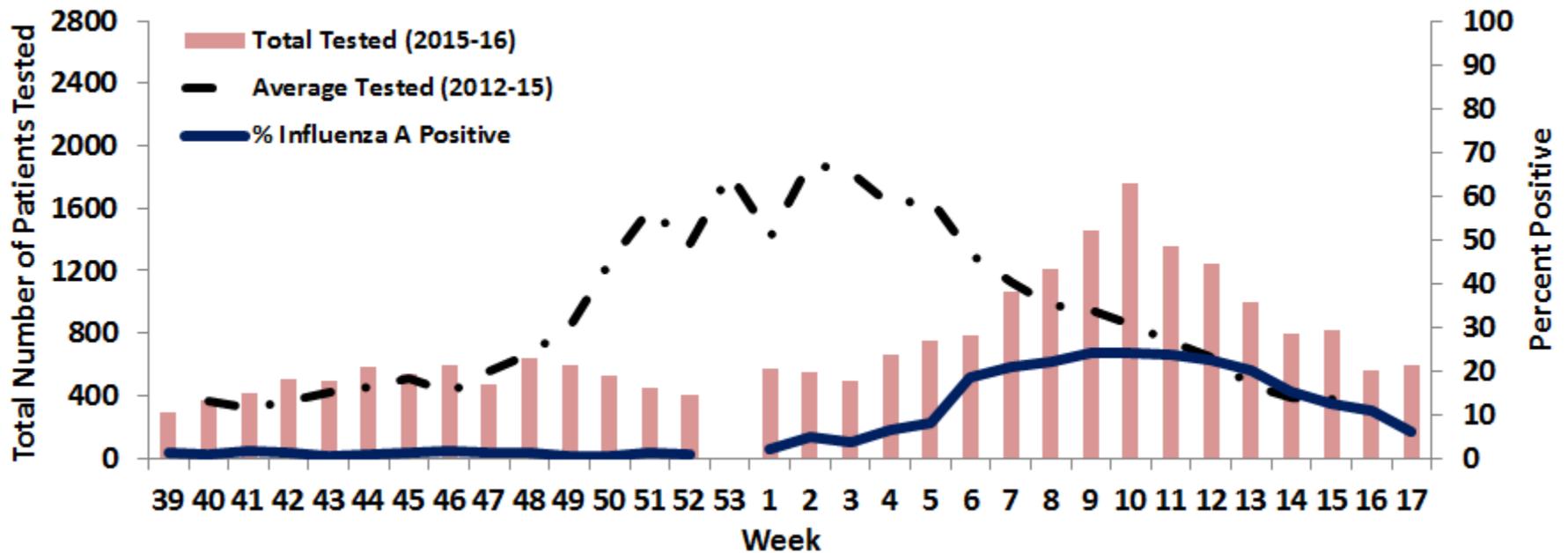
Army MTF Laboratory Results, 2015-16

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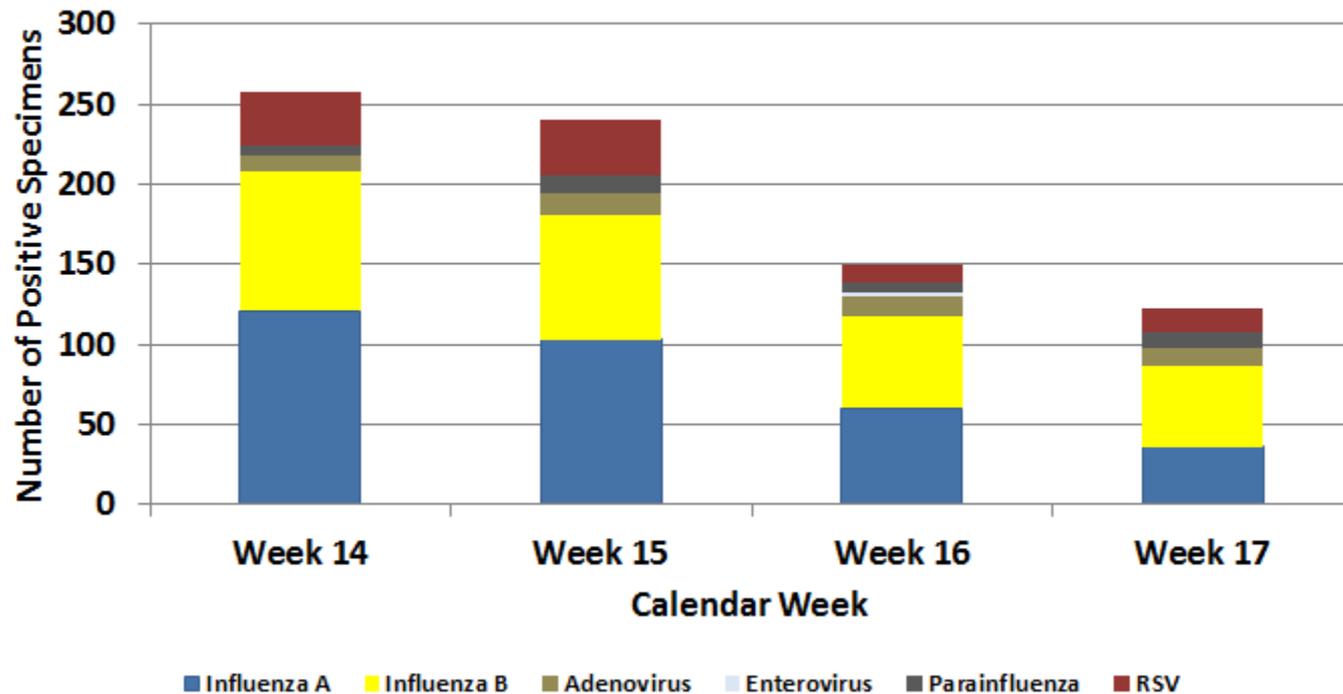


Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information
 Data as of 5 May 2016.

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	2	3	0	0	0	1	0	1	4	1	2	0	0	0