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U.S. Army Influenza Activity Report

Week Ending 29 November 2014 (Week 48)

2014-2015 Seasonal Influenza Vaccination Coverage

As of 4 DEC 2014

85%	DOD
92%	Army Active Duty
81%	Army Guard
70%	Army Reserve

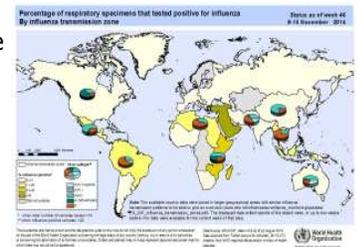
SYNOPSIS: The percentage of positive influenza A specimens in military and civilian populations has significantly increased over the last two weeks, primarily in SRMC MTFs.

- **ILI Activity:** Army incident ILI outpatient visits in week 48 were 6% lower than for the same week last year.
- **Influenza cases:** No hospitalized influenza cases were reported to USAPHC through DRSi in week 48. To date, one hospitalized influenza case has been reported in an unvaccinated retiree.
- **Viral specimens:** During week 48, 231 of 765 (30%) laboratory specimens tested positive for respiratory pathogens; 171 of 640 (26.7%) specimens tested for influenza A were positive. SRMC reported the most influenza A-positive specimens (86.5%), followed by NRMC and WRMC (5.8%), and ERMC (1.2%). RSV accounted for 16.5% of positive specimens.

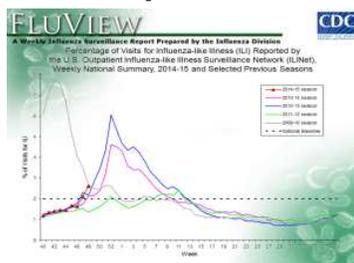
Geographic Spread



- In week 48, Puerto Rico and twenty states reported widespread and regional influenza activity. Thirty states, the District of Columbia, and the U.S. Virgin Islands reported local and sporadic activity. Guam did not report.
- Due to antigenic drift in the H3N2 strain of influenza this season, the flu vaccine, while still valuable, may be less effective this flu season. Early antiviral treatment is recommended for any patient with confirmed or suspected influenza who is hospitalized; has severe, complicated, or progressive illness; or is at higher risk for influenza complications.

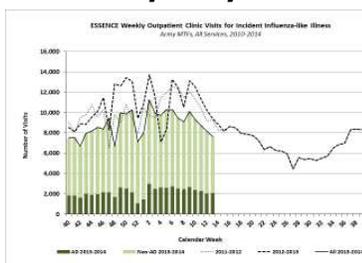


ILI Activity United States



- Nationwide during week 48, 2.6% of outpatient visits reported in ILINet were due to ILI, which is above the national baseline of 2.0%.
- The percentage of ILI outpatient visits ranged from 1.0% to 4.5% across the regions reporting.

ILI Activity Army



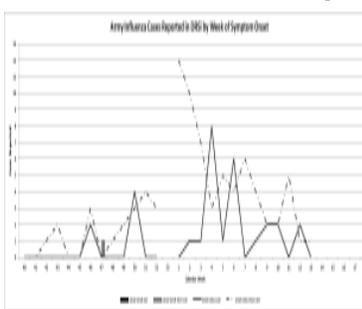
- During week 48, incident ILI activity was 6% lower than the same time last year and 51% lower than week 48 in 2012-2013.
- AD SMs accounted for 26% of incident ILI clinic visits during week 48; in 2013-2014, AD SMs also comprised 26% of ILI clinic visits on average during week 48.

Laboratory Respiratory Specimen Testing

Test Result	Week 45	Week 46	Week 47	Week 48	Season Total
Influenza A	54	29	71	171	392
Influenza B	7	2	3	10	40
Adenovirus	11	5	12	5	68
Enterovirus	1	0	0	0	2
Parainfluenza	16	11	10	7	90
RSV	28	42	31	38	229
Negative	566	474	556	534	4360
Total Results	683	563	683	765	5181

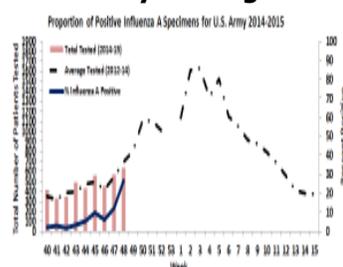
- 30% (231) of specimens tested positive during week 48.
- Influenza A accounted for 74% of positive specimens.
- RSV accounted for 16.5% of positive specimens, influenza B for 4.3%, parainfluenza for 3%, and adenovirus for 2.2%.
- No specimens tested positive for enterovirus.

DRSi Influenza Case Reporting

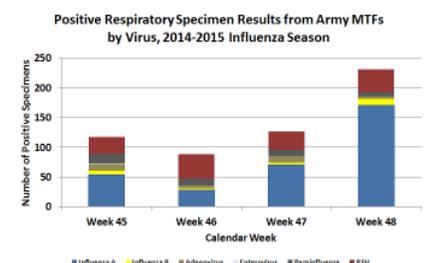


- In week 48, no cases of influenza-associated hospitalization were reported in DRSi.
- In week 47, a hospitalized influenza case was reported in DRSi in an unvaccinated retiree with underlying medical conditions.
- At the same time last influenza season, one hospitalized influenza case was reported.

Laboratory Testing for Influenza A



- In week 48, 171 of 640 (26.7%) specimens tested for influenza A were positive. This was an increase from week 47 (12.4%). 148 (87%) of the positive influenza A specimens were from non-AD personnel.
- SRMC reported 148 (86.5%) of the total influenza A positive specimens. NRMC and WRMC both reported 10 (5.8%) positive influenza A specimens, ERMC reported 2 (1.2%), and PRMC reported 1 (0.6%). CENTCOM reported no influenza A-positive specimens for week 48.



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

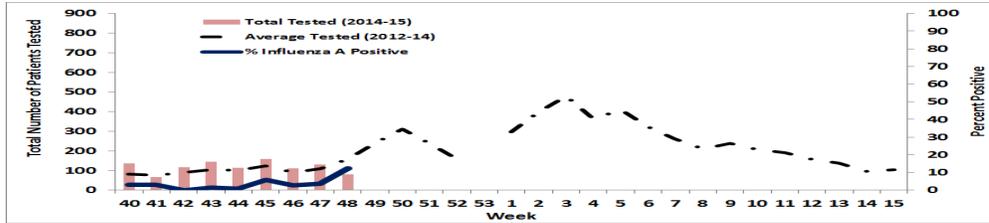
Questions?

Email USAPHC-DEP
410-417-3774

U.S. Army Influenza Activity Report

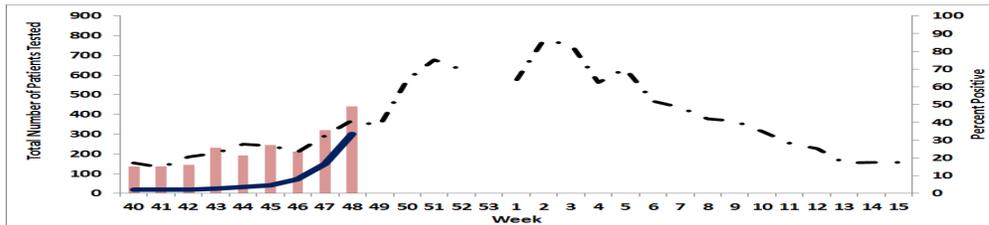
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2014-2015 as Compared to 2013-2014

Northern Regional Medical Command (NRMC)



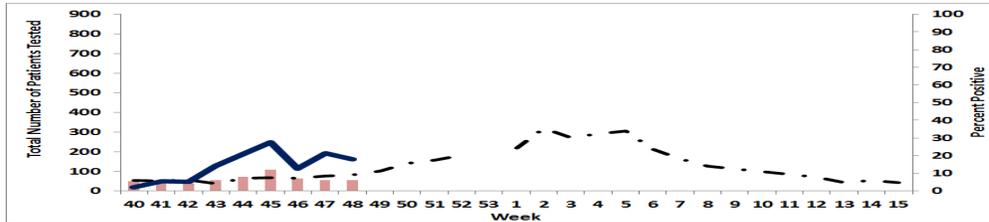
Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	4	18
18-29	1	0	6
30-39	1	0	2
40-49	0	3	7
50-59	0	1	3
60+	0	0	0
Total	2	8	36

Southern Regional Medical Command (SRMC)



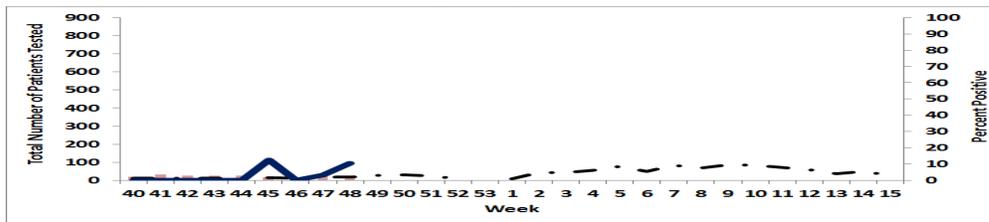
Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	97	155
18-29	9	4	24
30-39	6	9	29
40-49	3	6	19
50-59	1	6	12
60+	0	7	13
Total	19	129	252

Western Regional Medical Command (WRMC)



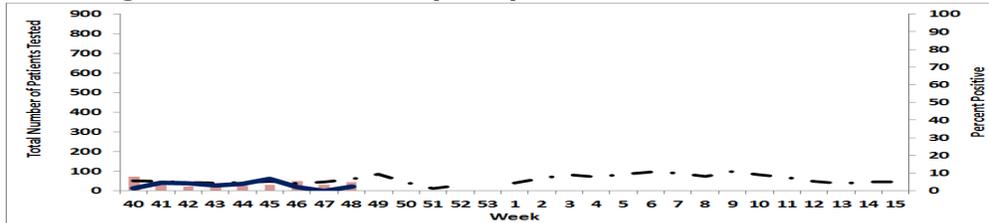
Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	8	62
18-29	1	0	12
30-39	0	0	9
40-49	0	0	3
50-59	0	1	3
60+	0	0	0
Total	1	9	89

Europe Regional Medical Command (ERMC)



Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	2
18-29	0	0	0
30-39	1	0	2
40-49	0	0	1
50-59	0	0	0
60+	0	0	0
Total	1	1	5

Pacific Regional Medical Command (PRMC)



Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	3
18-29	0	0	5
30-39	0	0	1
40-49	0	0	1
50-59	0	0	0
60+	0	0	0
Total	0	1	10

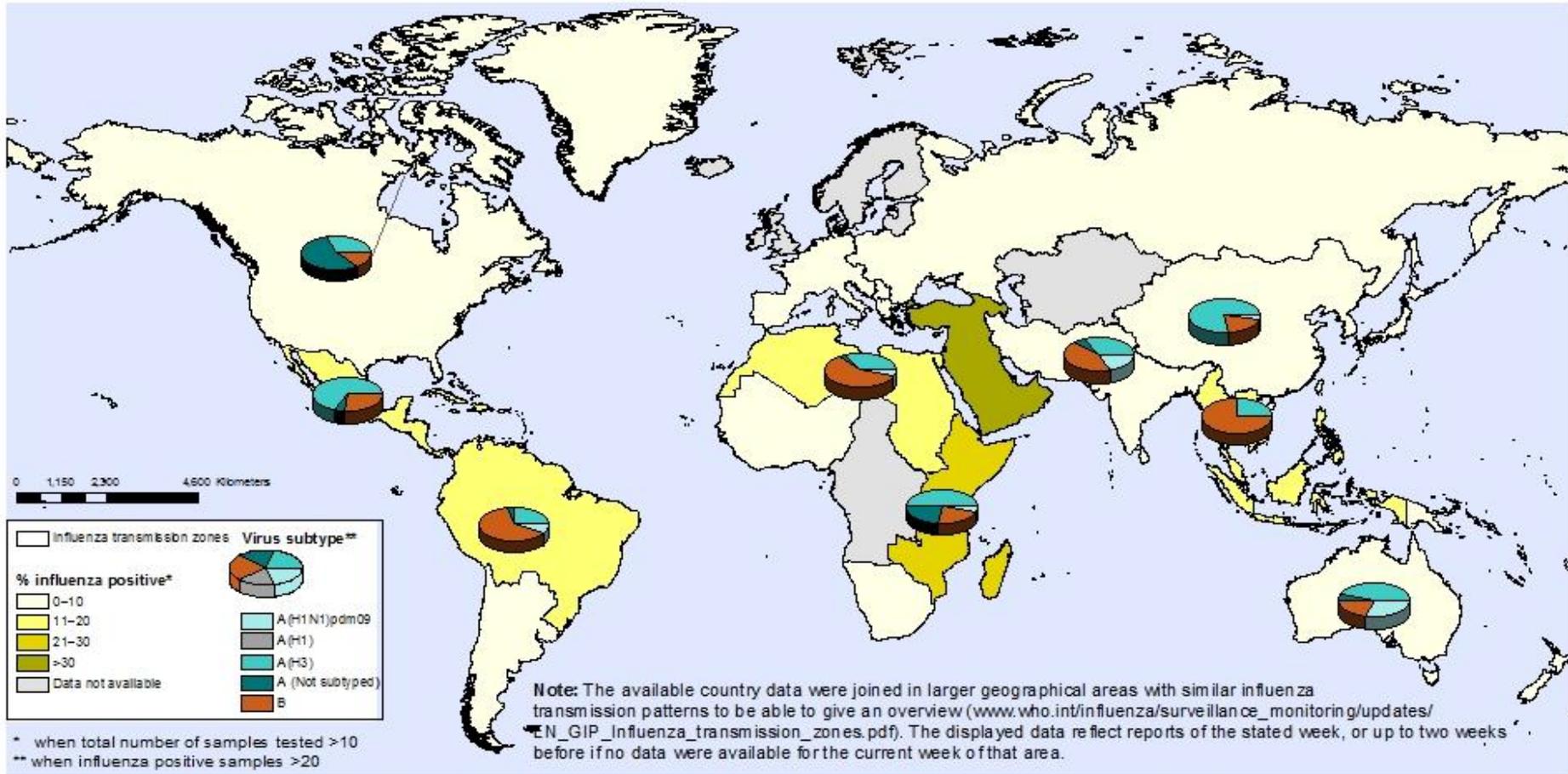
Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 41		Week 42		Week 43		Week 44		Week 45		Week 46		Week 47		Week 48	
	AD	Non-AD														
NRMC	1	1	0	0	0	2	0	1	5	4	0	3	2	3	2	8
SRMC	0	3	1	2	2	4	2	5	3	8	4	13	6	47	19	129
WRMC	1	2	1	1	1	7	3	12	7	23	2	6	1	11	1	9
ERMC	0	0	0	0	0	0	0	0	0	2	0	0	1	0	1	1
PRMC	0	2	0	1	0	1	1	0	0	2	1	0	0	0	0	1
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Locations providing week 48 laboratory data as of 29 December 2014: Korea, Ft Belvoir (NCR), Ft Benning, Ft Bliss, 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, and West Point.

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

Status as of week 46
9-15 November 2014



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: WHO/GIP, data in HQ as of 22 August 2014.
Data used are from FluNet (www.who.int/fluNet), 08:15 UTC snapshot, from WHO regional offices and/or ministry of health websites.



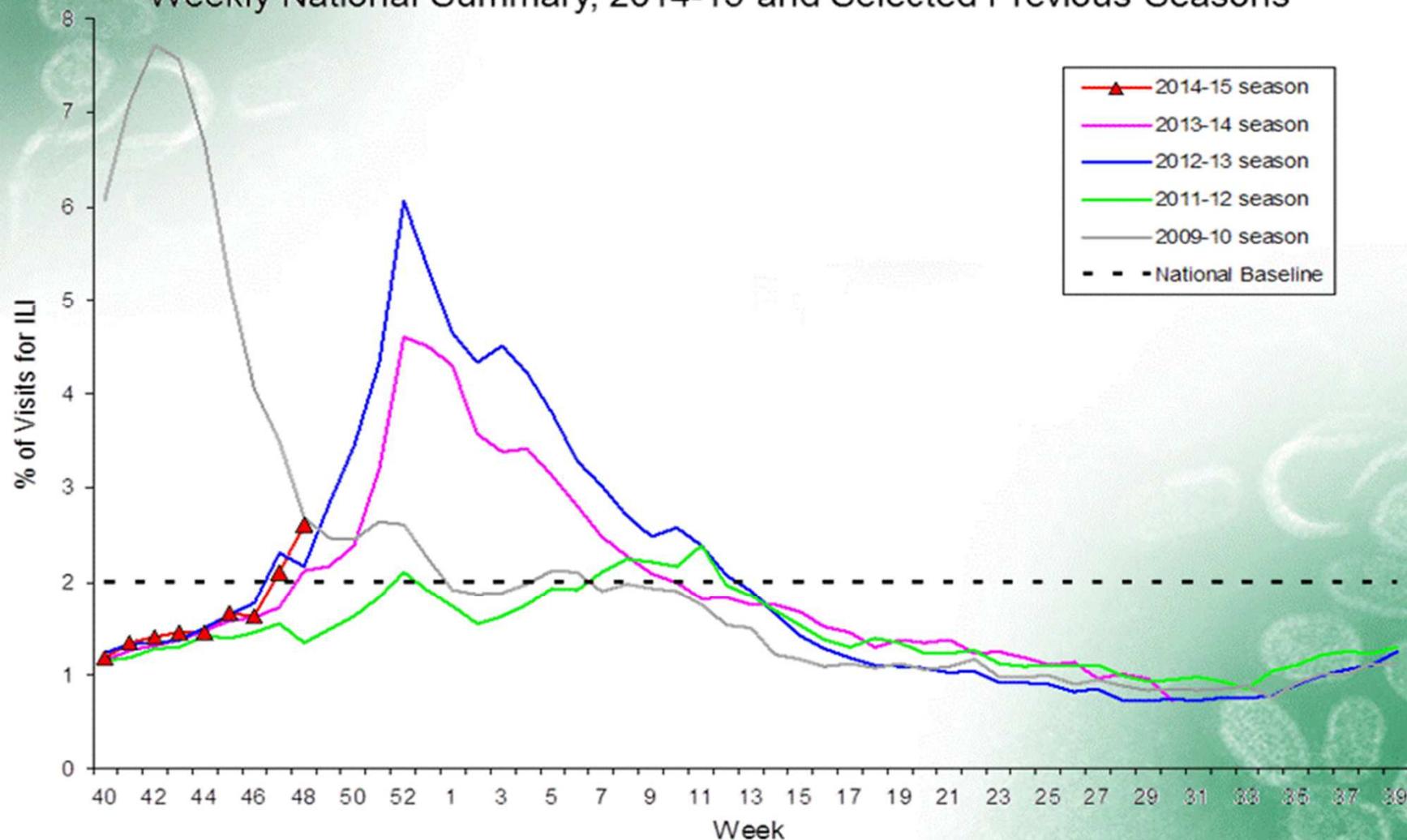
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FLUVIEW



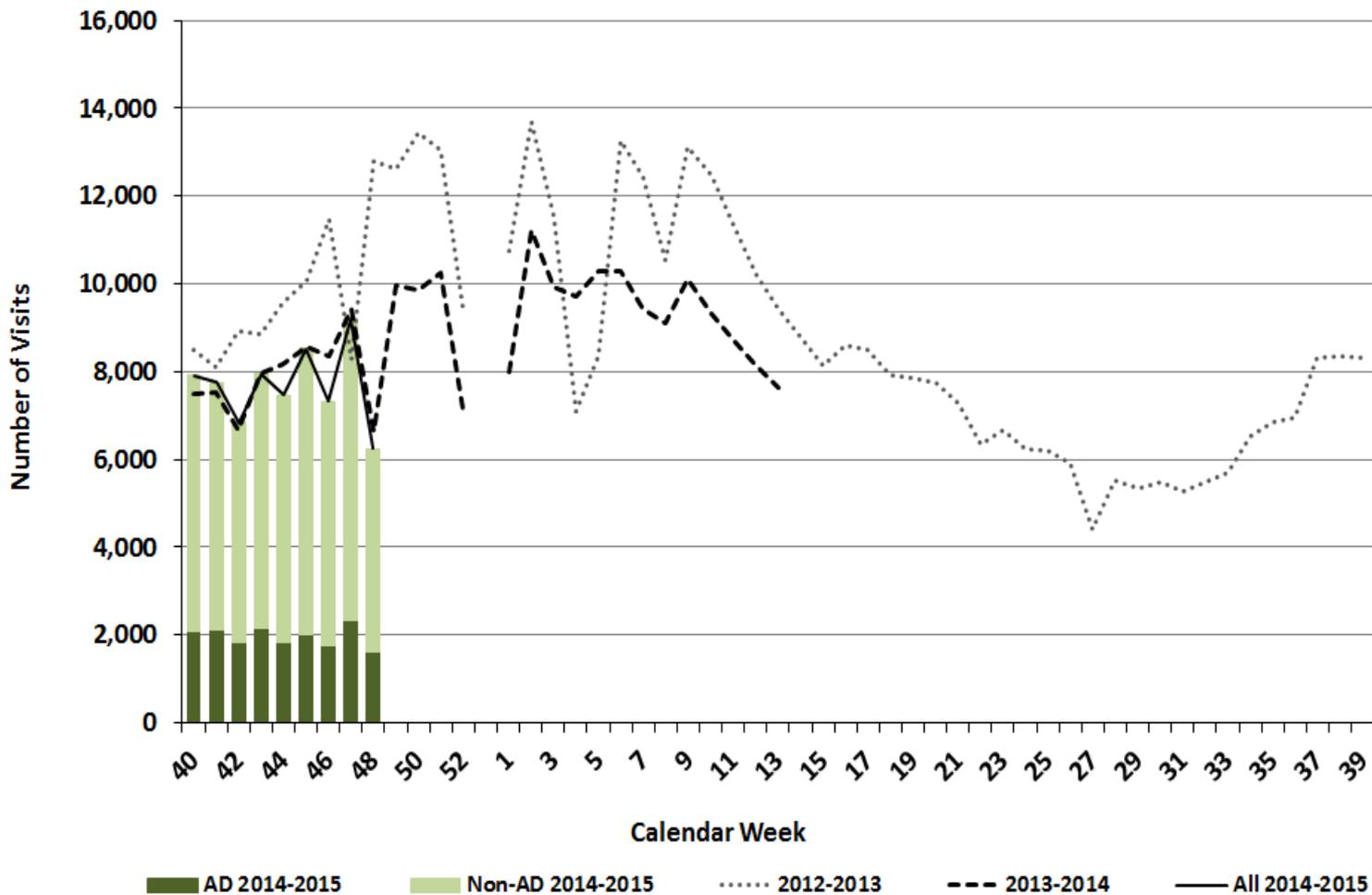
A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2014-15 and Selected Previous Seasons



ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

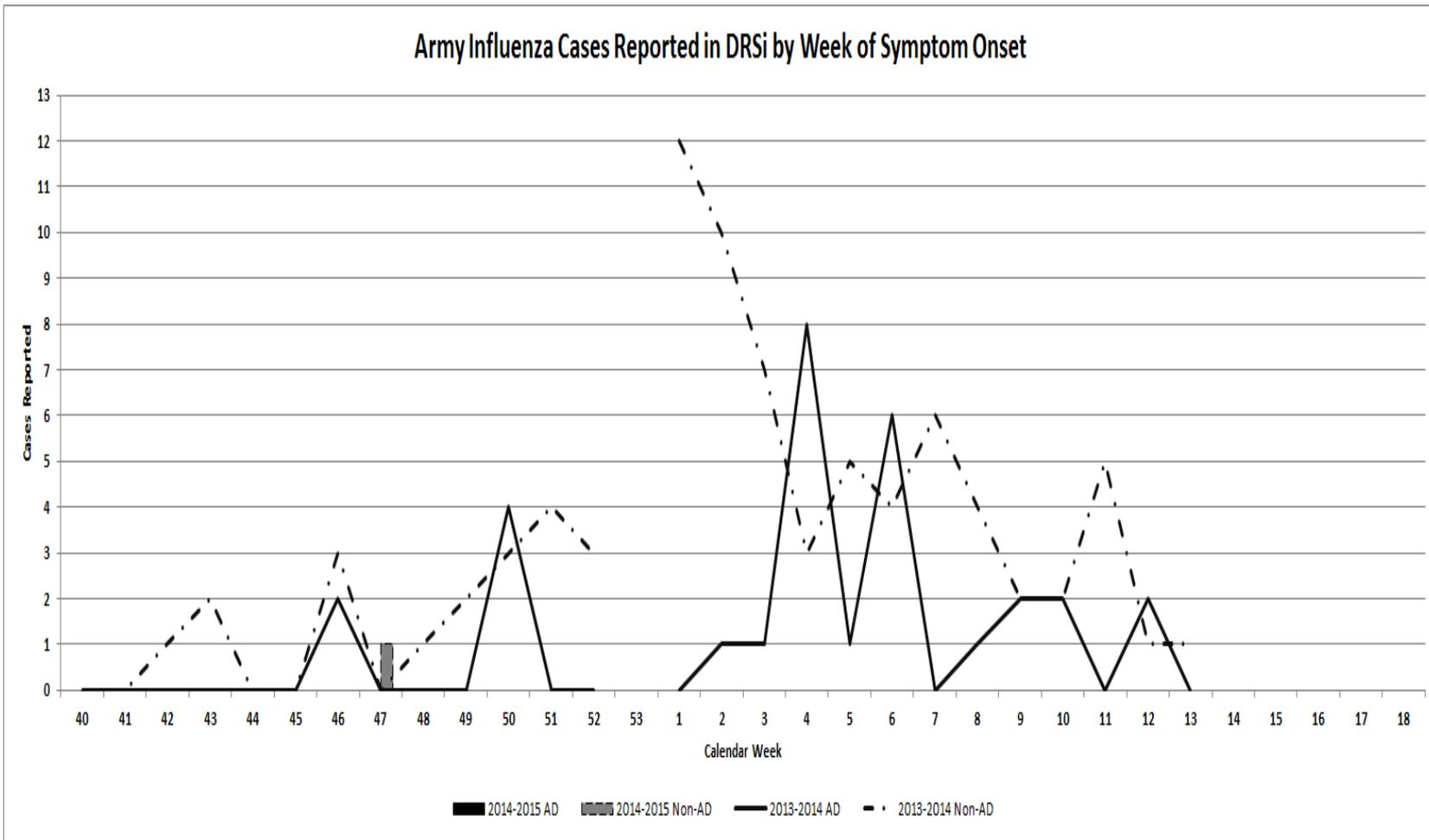
Army MTFs, All Services, 2012-2015



Clinic visits for ILI are obtained from ESSENCE. Data as of 3 December 2014.

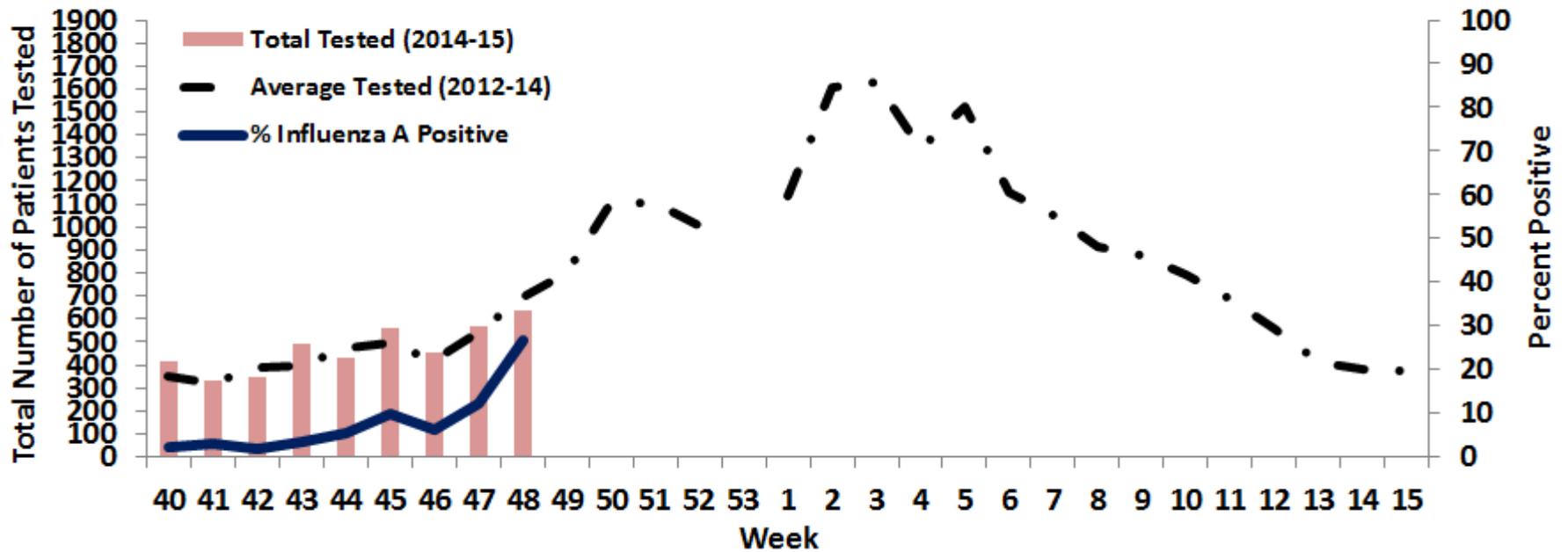
Army MTF Laboratory Results, 2013-14

Test Result	Week 45	Week 46	Week 47	Week 48	Season Total
Influenza A	54	29	71	171	392
Influenza B	7	2	3	10	40
Adenovirus	11	5	12	5	68
Enterovirus	1	0	0	0	2
Parainfluenza	16	11	10	7	90
RSV	28	42	31	38	229
<i>Negative</i>	<i>566</i>	<i>474</i>	<i>556</i>	<i>534</i>	4360
Total Results	683	563	683	765	5181



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 03 December 2014.

Proportion of Positive Influenza A Specimens for U.S. Army 2014-2015



Positive Respiratory Specimen Results from Army MTFs by Virus, 2014-2015 Influenza Season

