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U.S. Army Influenza Activity Report

Week Ending 10 January 2015 (Week 01)

2014-2015 Seasonal Influenza Vaccination Coverage

As of 15 JAN 2015

93%	DOD
97%	Army Active Duty
91%	Army Guard
80%	Army Reserve

SYNOPSIS: Over the past week, influenza activity increased in Army MTFs. Non-AD populations were more affected. In the U.S., overall civilian influenza-like illness (ILI) activity decreased but remains above baseline.

- **ILI Activity:** Army incident ILI outpatient visits in week one were 45% higher than for the same week last year.
- **Influenza cases:** Five hospitalized influenza cases were reported to USAPHC in week one. To date, 18 cases have been reported during this influenza season: 5 AD SM and 13 non-AD beneficiaries.
- **Viral specimens:** During week one, 697 of 2267 (31%) laboratory specimens tested positive for respiratory pathogens; 546 of 2002 (27%) specimens tested for influenza A were positive. SRMC reported the most influenza A-positive specimens (52%), followed by NRMC (21%), WRMC (14%), ERMC (8%), PRMC (5%), and CENTCOM (0%).

Geographic Spread

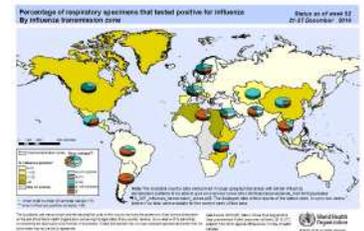


United States

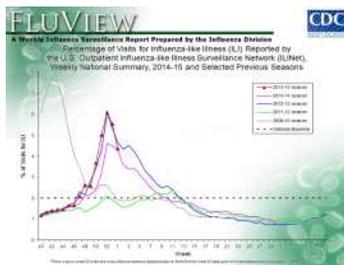
- In week one, Puerto Rico, Guam, the US Virgin Islands and forty-nine states reported widespread and regional influenza activity. Local Activity was reported by the District of Columbia and one state (AK).

World Health Organization

- In tropical countries of the Americas, influenza activity increased in some countries of the Caribbean, decreased in Central America and was low in the tropical countries of South America.

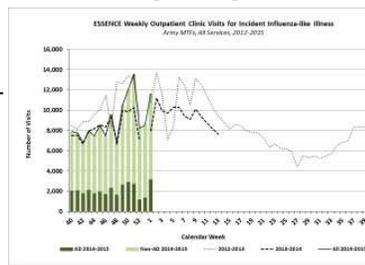


ILI Activity United States



- Nationwide during week one, 4.4% 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 2.6% to 8.4% across the regions reporting.

ILI Activity Army



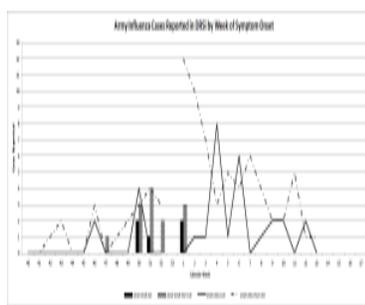
- During week one, incident ILI activity was 45% higher than the same time last year and 8% higher than week one in 2012-2013.
- AD SMs accounted for 27% of incident ILI clinic visits during week one; in 2013-2014, AD SMs comprised 18% of ILI clinic visits on average during week one.

Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2014-15					
Test Result	Week 51	Week 52	Week 53	Week 1	Season Total
Influenza A	1010	794	503	546	4051
Influenza B	25	18	32	43	174
Adenovirus	12	9	10	10	130
Enterovirus	0	0	0	0	4
Parainfluenza	15	5	8	10	145
RSV	71	44	61	88	596
Negative	1783	1471	1580	1570	12378
Total Results	2916	2341	2194	2267	17478

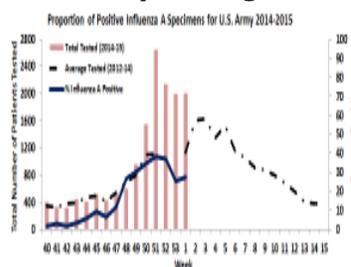
- 31% (697) of specimens tested positive during week one.
- Influenza A accounted for 78% of positive specimens.
- RSV accounted for 13% of positive specimens, influenza B for 6%, adenovirus for 1.4%, and parainfluenza for 1.4%.
- No specimens tested positive for enterovirus.

DRSi Influenza Case Reporting

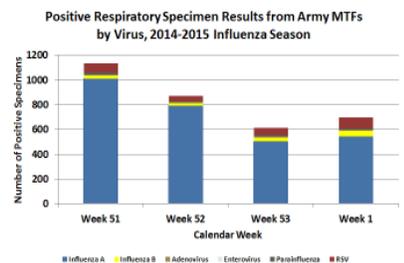


- In week one, 5 influenza-associated hospitalizations were reported in DRSi; one of two SM and two of three non-AD beneficiaries were unvaccinated.
- A total of 18 hospitalized influenza cases have been reported to date this season; 37 had been reported by this point last season.

Laboratory Testing for Influenza A



- In week one, 546 of 2002 (27%) specimens tested for influenza A were positive, a slight increase from week 53 where 25.3% of specimens tested positive for influenza A. 377 (69%) of the positive influenza A specimens were from non-AD personnel.
- SRMC labs reported 284 (52%) of the total influenza A positive specimens. NRMC reported 117 (21%) positive influenza A specimens, WRMC reported 77 (14%), ERMC reported 42 (8%), PRMC reported 26 (5%), and CENTCOM reported 0 (0%).



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

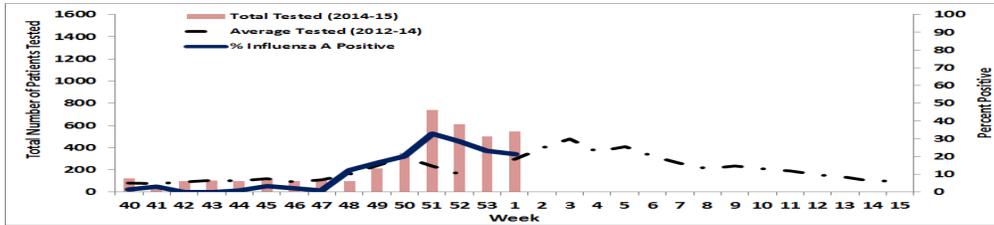
Questions?

Email USAPHC-DEP
410-417-3774

U.S. Army Influenza Activity Report

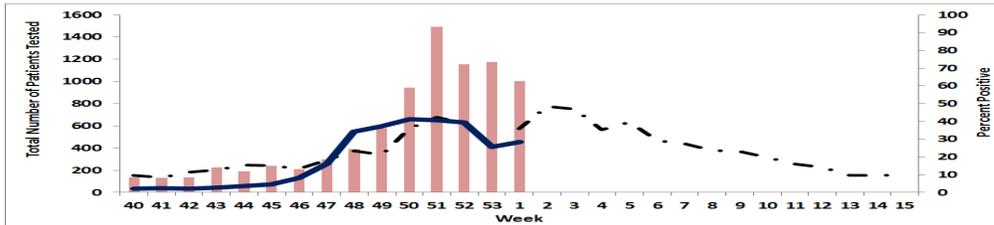
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2014-2015 as Compared to 2013-2014

Northern Regional Medical Command (NRMC)



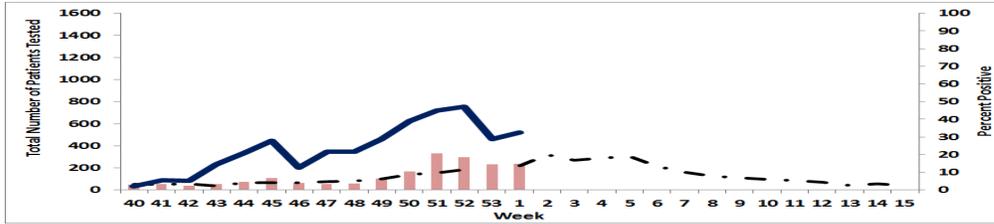
Week 1			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	45	389
18-29	17	7	119
30-39	7	7	77
40-49	9	5	72
50-59	0	5	38
60+	1	14	84
Total	34	83	779

Southern Regional Medical Command (SRMC)



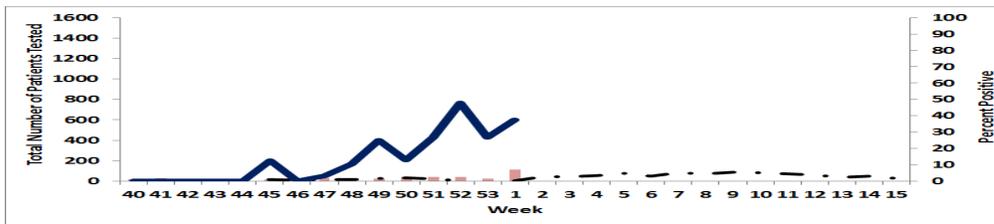
Week 1			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	100	1351
18-29	55	33	388
30-39	30	16	291
40-49	7	15	171
50-59	1	9	138
60+	1	17	154
Total	94	190	2493

Western Regional Medical Command (WRMC)



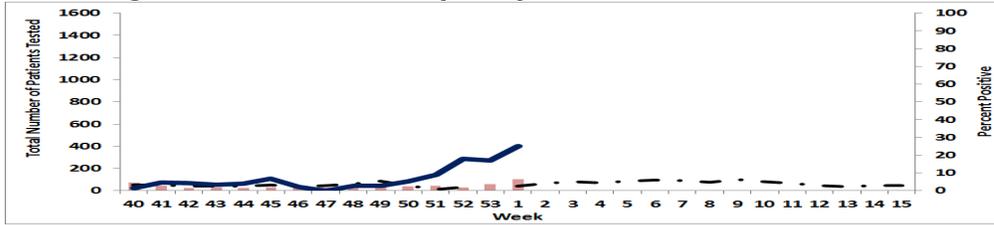
Week 1			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	39	397
18-29	6	3	67
30-39	6	1	56
40-49	4	2	28
50-59	0	1	25
60+	1	14	50
Total	17	60	623

Europe Regional Medical Command (ERMC)



Week 1			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	13	30
18-29	6	5	28
30-39	7	5	28
40-49	2	3	9
50-59	0	0	0
60+	0	1	2
Total	15	27	97

Pacific Regional Medical Command (PRMC)



Week 1			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	8	18
18-29	6	2	20
30-39	2	4	10
40-49	1	0	3
50-59	0	2	4
60+	0	1	3
Total	9	17	58

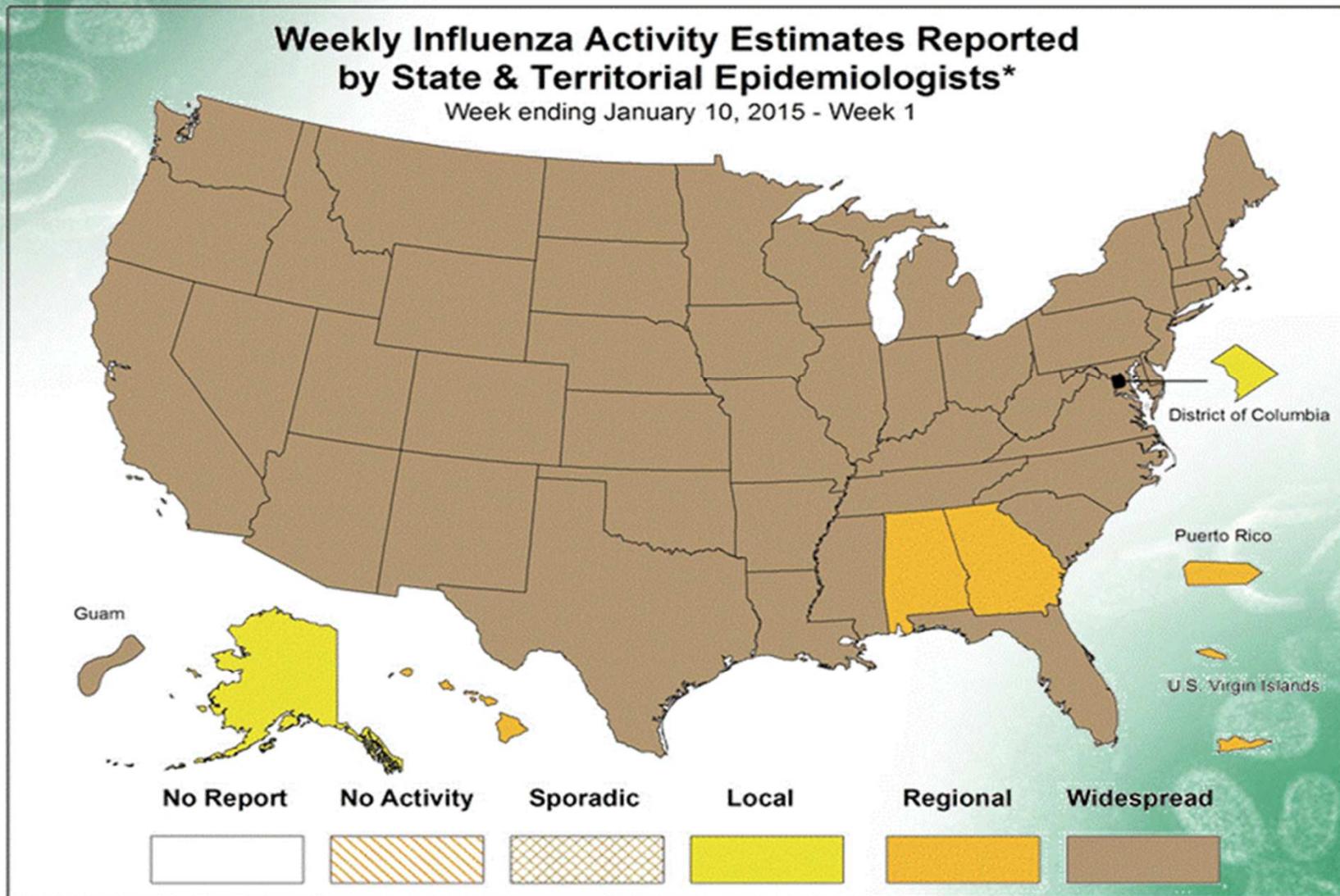
Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 47		Week 48		Week 49		Week 50		Week 51		Week 52		Week 53		Week 1	
	AD	Non-AD	AD	Non-AD												
NRMC	1	0	2	10	5	30	11	60	44	197	28	145	23	93	34	83
SRMC	5	44	17	117	37	179	53	337	77	529	61	394	39	263	94	190
WRMC	1	11	1	12	6	24	4	61	19	129	14	126	4	63	17	60
ERMC	1	0	1	1	2	4	2	3	4	7	13	8	3	4	15	27
PRMC	0	0	0	1	0	1	1	1	1	3	0	5	3	7	9	17
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

Locations providing week 1 laboratory data as of 14 January 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 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.

FLUVIEW

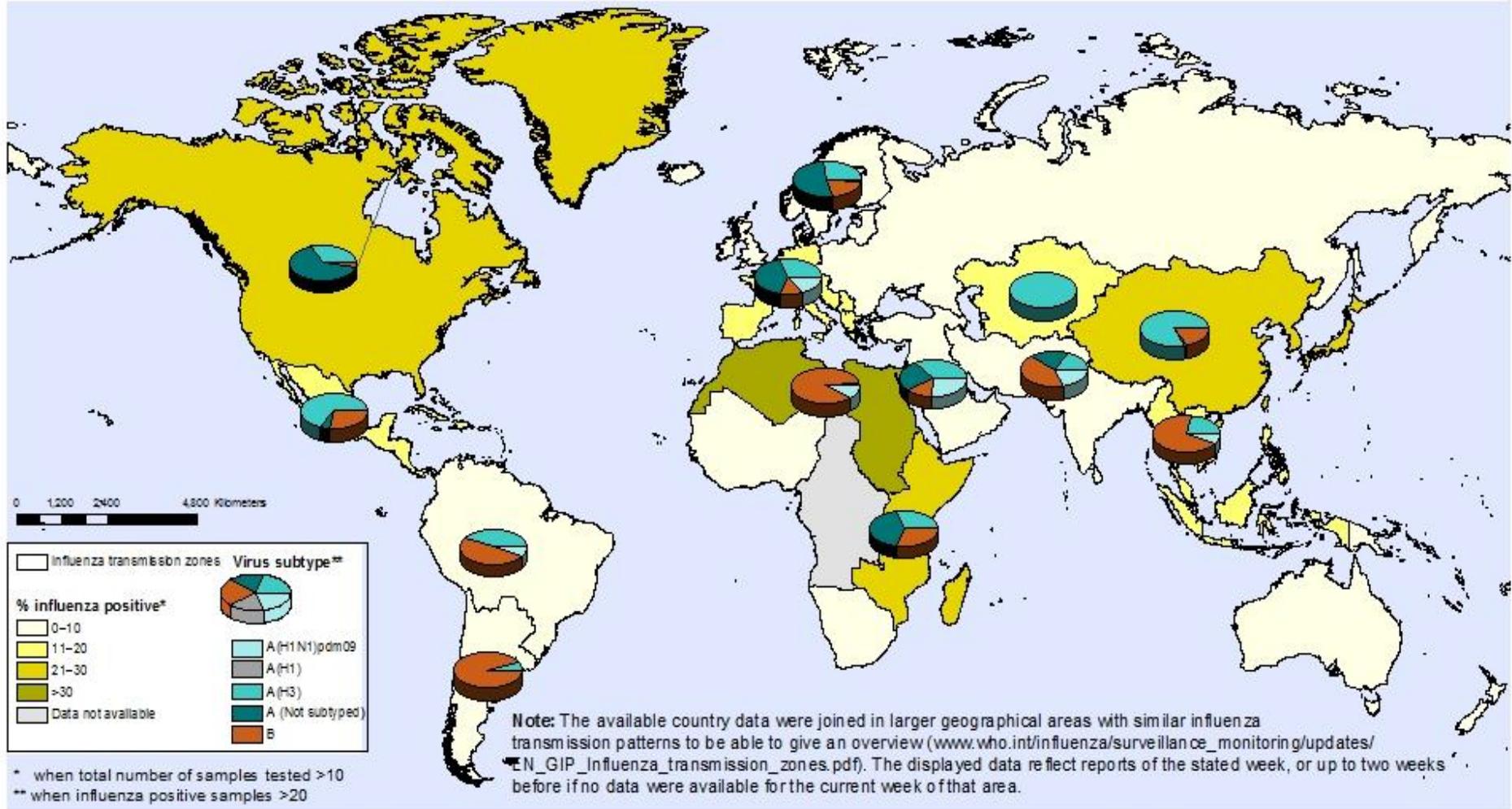
A Weekly Influenza Surveillance Report Prepared by the Influenza Division



* 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 week 52
21-27 December 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/flu-net), 08:15 UTC snapshot, from WHO regional offices and/or ministry of health websites.



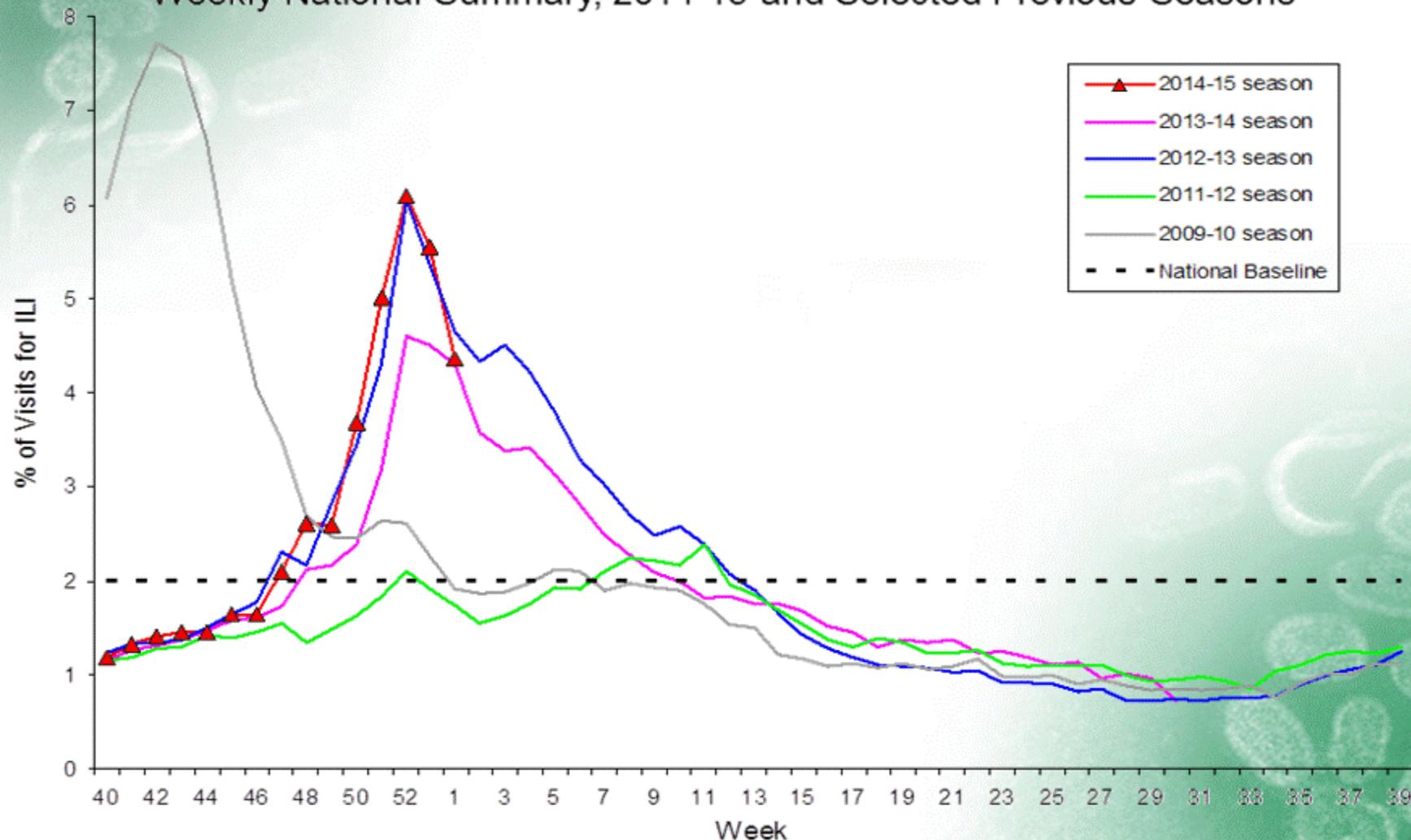
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FLUVIEW



A Weekly Influenza Surveillance Report Prepared by the Influenza Division

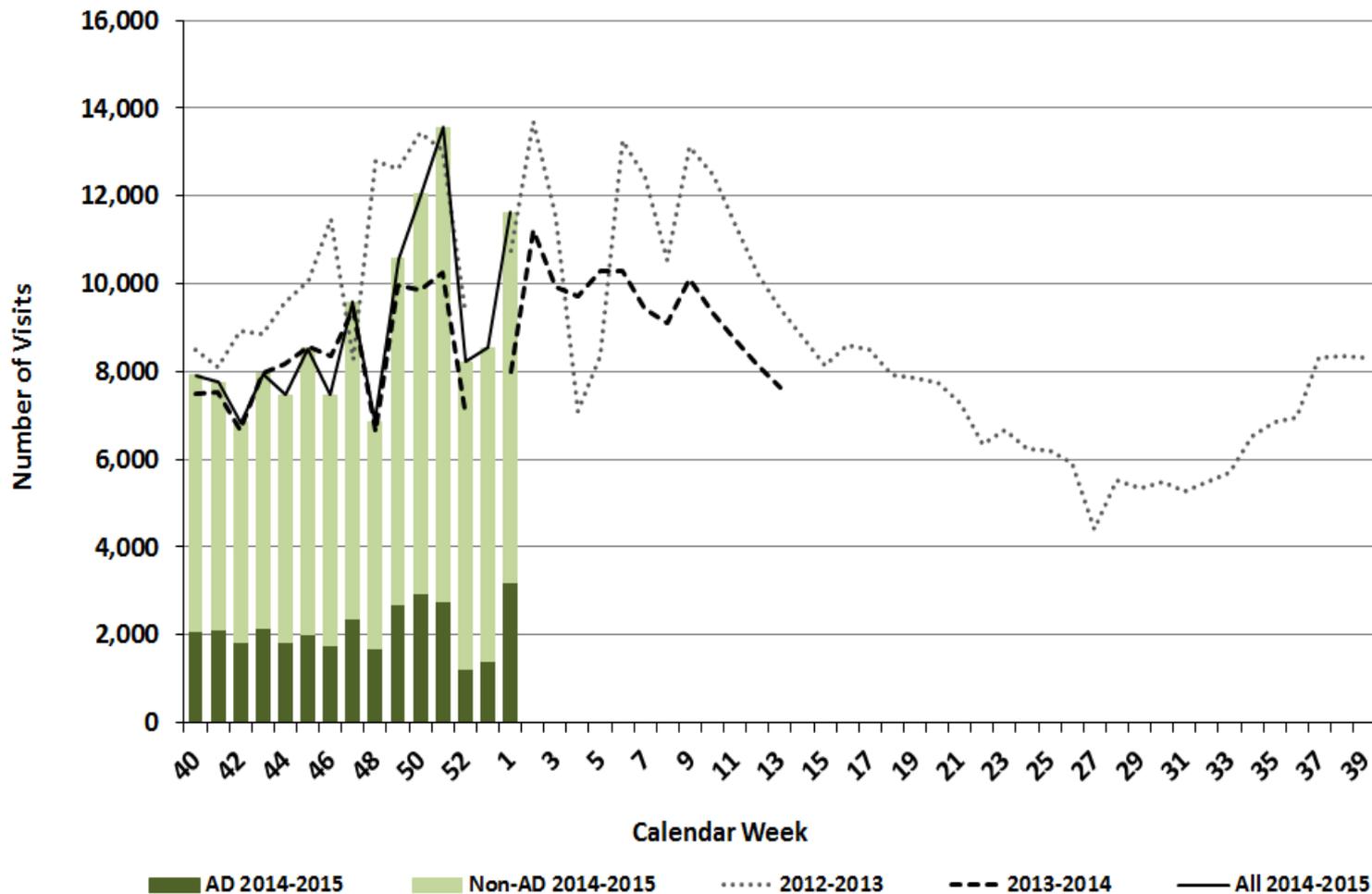
Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2014-15 and Selected Previous Seasons



*There was no week 53 in the previous influenza seasons displayed above; therefore the week 53 data point for those seasons is an average of weeks 52 and 1.

ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

Army MTFs, All Services, 2012-2015

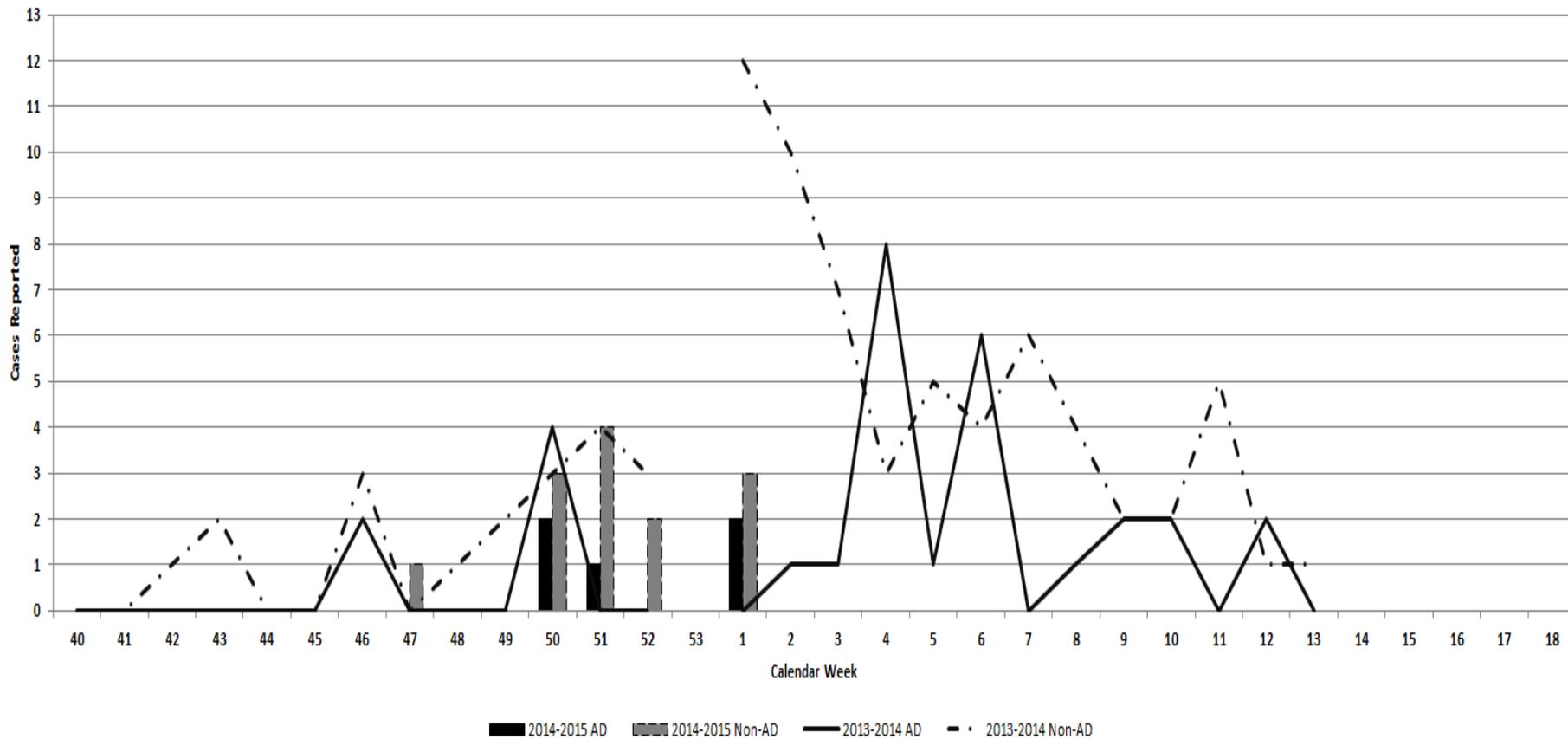


Clinic visits for ILI are obtained from ESSENCE. Data as of 14 January 2015.

Army MTF Laboratory Results, 2014-15

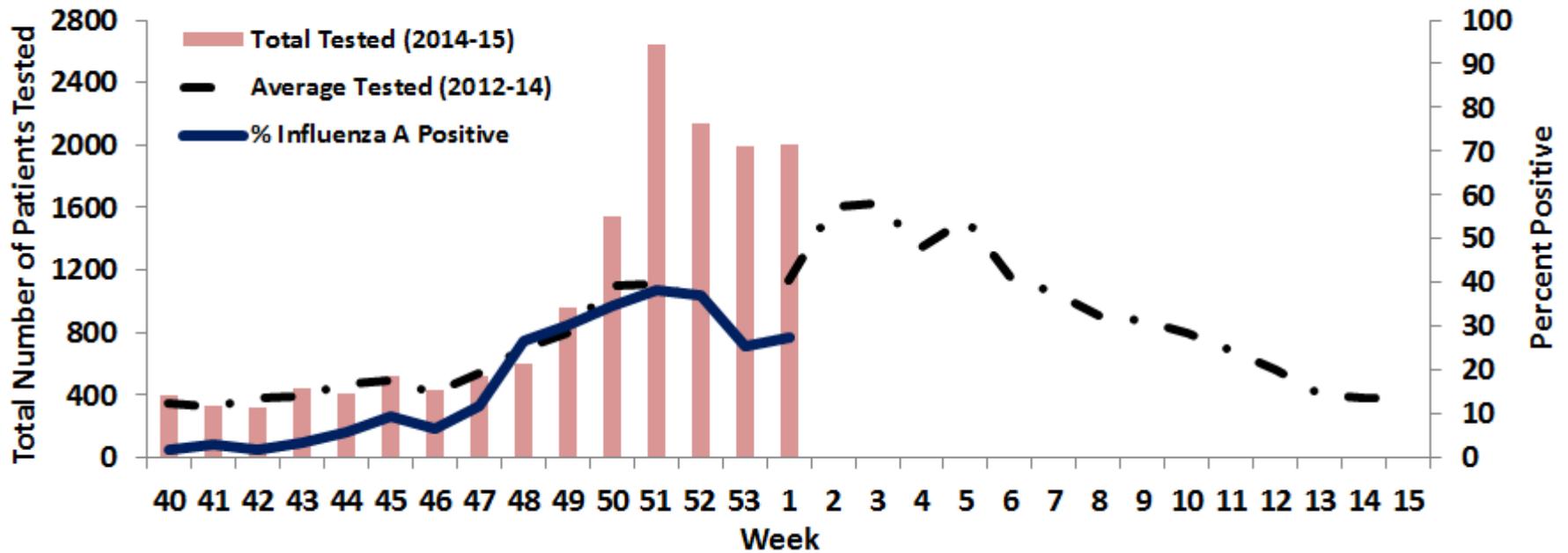
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Total Results	2916	2341	2194	2267	17478

Army Influenza Cases Reported in DRSi by Week of Symptom Onset

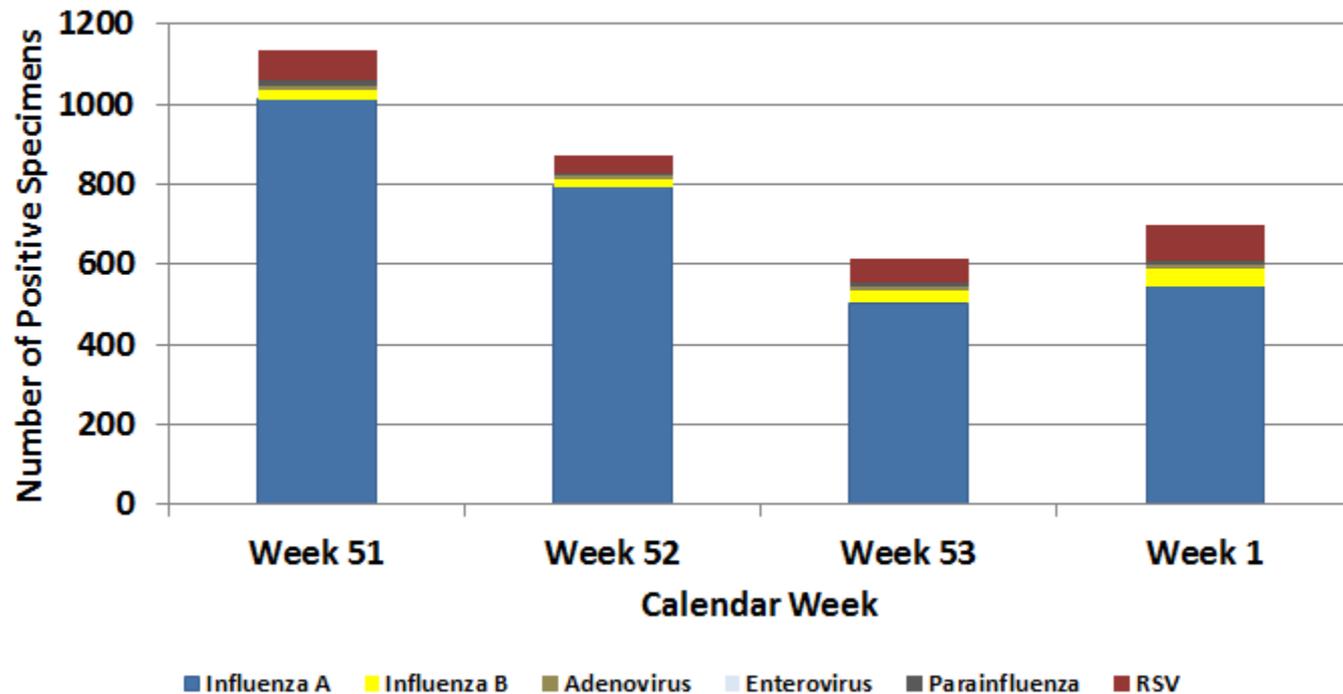


Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information
 Data as of 15 January 2015.

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



Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 47		Week 48		Week 49		Week 50		Week 51		Week 52		Week 53		Week 1	
	AD	Non-AD	AD	Non-AD												
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SRMC	5	44	17	117	37	179	53	337	77	529	61	394	39	263	94	190
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ERMC	1	0	1	1	2	4	2	3	4	7	13	8	3	4	15	27
PRMC	0	0	0	1	0	1	1	1	1	3	0	5	3	7	9	17
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0