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U.S. Army Influenza Activity Report

Week Ending 17 January 2015 (Week 02)

2014-2015 Seasonal Influenza Vaccination Coverage

As of 22 JAN 2015

94%	DOD
97%	Army Active Duty
91%	Army Guard
80%	Army Reserve

SYNOPSIS: In the general population, influenza-like illness (ILI) activity trends this flu season are quite similar to trends identified during the 2012-2013 flu season.

- **Positive influenza A specimens:** An increased incidence of positive influenza A specimens in the 18-29 age group was noted among AD SM, with the exception of ERMC and PRMC.
- **Influenza cases:** 16 hospitalized influenza cases were reported to USAPHC in week two, all in non-AD beneficiaries. To date, 34 cases have been reported during this influenza season: 5 AD SM and 29 non-AD beneficiaries.
- **Viral specimens:** During week two, 922 of 2619 (35%) laboratory specimens tested positive for respiratory pathogens; 763 of 2329 (33%) specimens tested for influenza A were positive. SRMC reported the most influenza A-positive specimens (58%), followed by NRMC and WRMC (both 12%), ERMC (10%), PRMC (8%), and CENTCOM (0.1%).

Geographic Spread

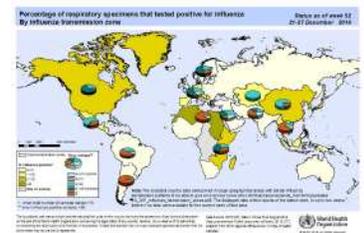


United States

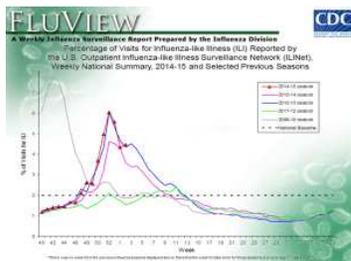
- In week two, Puerto Rico, Guam, the US Virgin Islands and forty-nine states reported widespread and regional influenza activity. Local activity was reported by the District of Columbia and one state (AK).

World Health Organization

- In northern and western Africa influenza activity increased with influenza B virus predominant. In tropical Asia, influenza activity increased slightly but remained low with influenza B predominating.

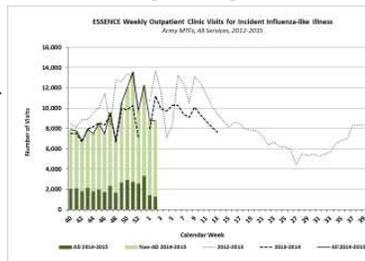


ILI Activity United States



- Nationwide during week two, 4.5% 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 2.7% to 10.3% across the regions reporting.

ILI Activity Army



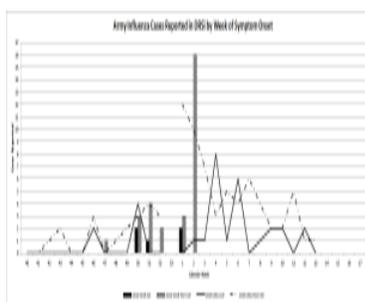
- During week two, incident ILI activity was 22% lower than the same time last year and 36% lower than week two in 2012-2013.
- AD SMs accounted for 15% of incident ILI clinic visits during week two; in 2013-2014, AD SMs comprised 27% of ILI clinic visits on average during week two.

Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2014-15					
Test Result	Week 52	Week 53	Week 1	Week 2	Season Total
Influenza A	788	503	600	763	4869
Influenza B	18	32	46	60	239
Adenovirus	9	10	10	12	142
Enterovirus	0	0	0	0	4
Parainfluenza	5	8	10	9	154
RSV	44	61	88	78	672
Negative	1428	1573	1638	1697	14067
Total Results	2292	2187	2392	2619	20147

- 35% (922) of specimens tested positive during week two.
- Influenza A accounted for 83% of positive specimens.
- RSV accounted for 8% of positive specimens, influenza B for 7%, adenovirus for 1.3%, and parainfluenza for 1%.
- No specimens tested positive for enterovirus.

DRSi Influenza Case Reporting



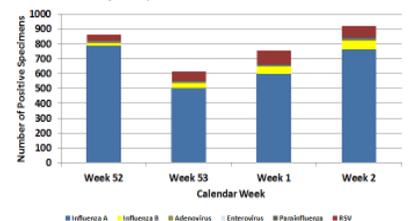
- In week two, 16 influenza-associated hospitalizations among non-AD beneficiaries were reported in DRSi; 10 were unvaccinated and 5 had underlying conditions (2 of whom were unvaccinated).
- A total of 34 hospitalized influenza cases have been reported to date this season; 48 had been reported by this point last season.

Laboratory Testing for Influenza A



- In week two, 763 of 2329 (33%) specimens tested for influenza A were positive, an increase from week one where 28% of specimens tested positive for influenza A. 539 (71%) of the positive influenza A specimens were from non-AD personnel.
- SRMC labs reported 443 (58%) of the total influenza A positive specimens. NRMC reported 95 (12%) positive influenza A specimens, WRMC reported 92 (12%), ERMC reported 73 (10%), PRMC reported 59 (8%), and CENTCOM reported 1 (0.1%).

Positive Respiratory Specimen Results from Army MTFs by Virus, 2014-2015 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: AD-Active Duty; 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?

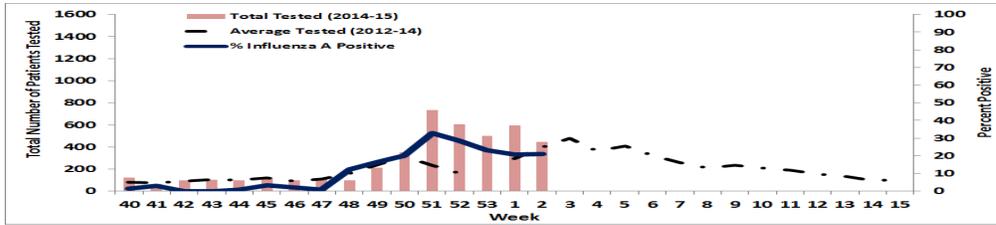
Email USAPHC-DEP
410-417-3774



U.S. Army Influenza Activity Report

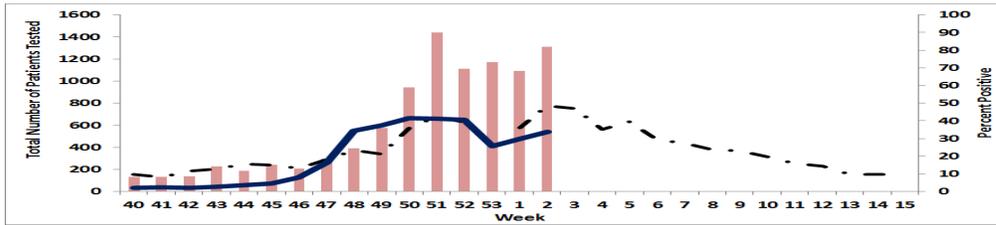
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2014-2015 as Compared to 2013-2014

Northern Regional Medical Command (NRMC)



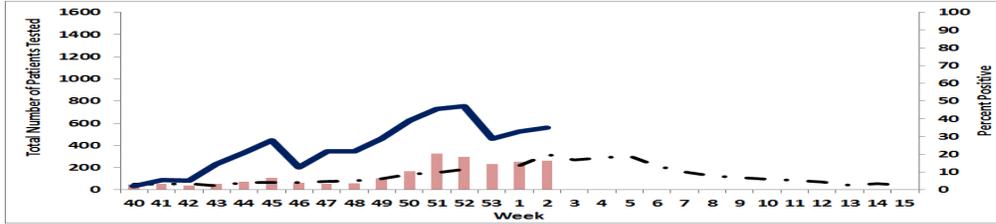
Week 2			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	46	440
18-29	16	3	138
30-39	6	6	89
40-49	5	1	79
50-59	0	6	44
60+	0	6	92
Total	27	68	882

Southern Regional Medical Command (SRMC)



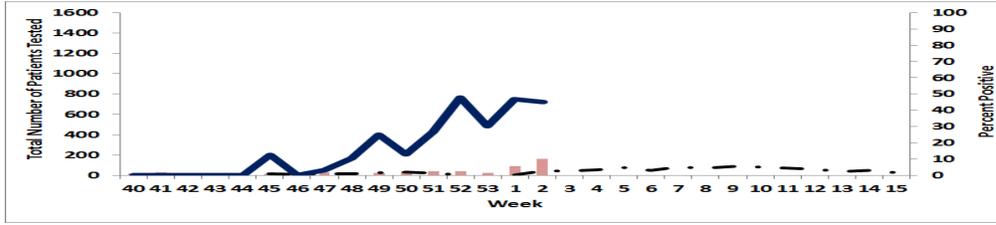
Week 2			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	204	1570
18-29	82	26	500
30-39	26	16	334
40-49	11	18	203
50-59	2	21	165
60+	0	37	201
Total	121	322	2973

Western Regional Medical Command (WRMC)



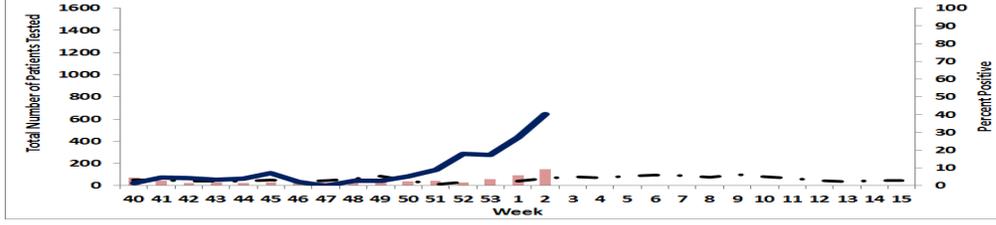
Week 2			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	54	456
18-29	11	6	88
30-39	3	6	65
40-49	2	1	33
50-59	1	1	27
60+	0	7	56
Total	17	75	725

Europe Regional Medical Command (ERMC)



Week 2			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	24	54
18-29	19	3	50
30-39	15	2	45
40-49	4	1	14
50-59	0	4	4
60+	0	1	3
Total	38	35	170

Pacific Regional Medical Command (PRMC)



Week 2			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	18	36
18-29	8	7	35
30-39	9	3	22
40-49	3	1	7
50-59	1	4	9
60+	0	5	8
Total	21	38	117

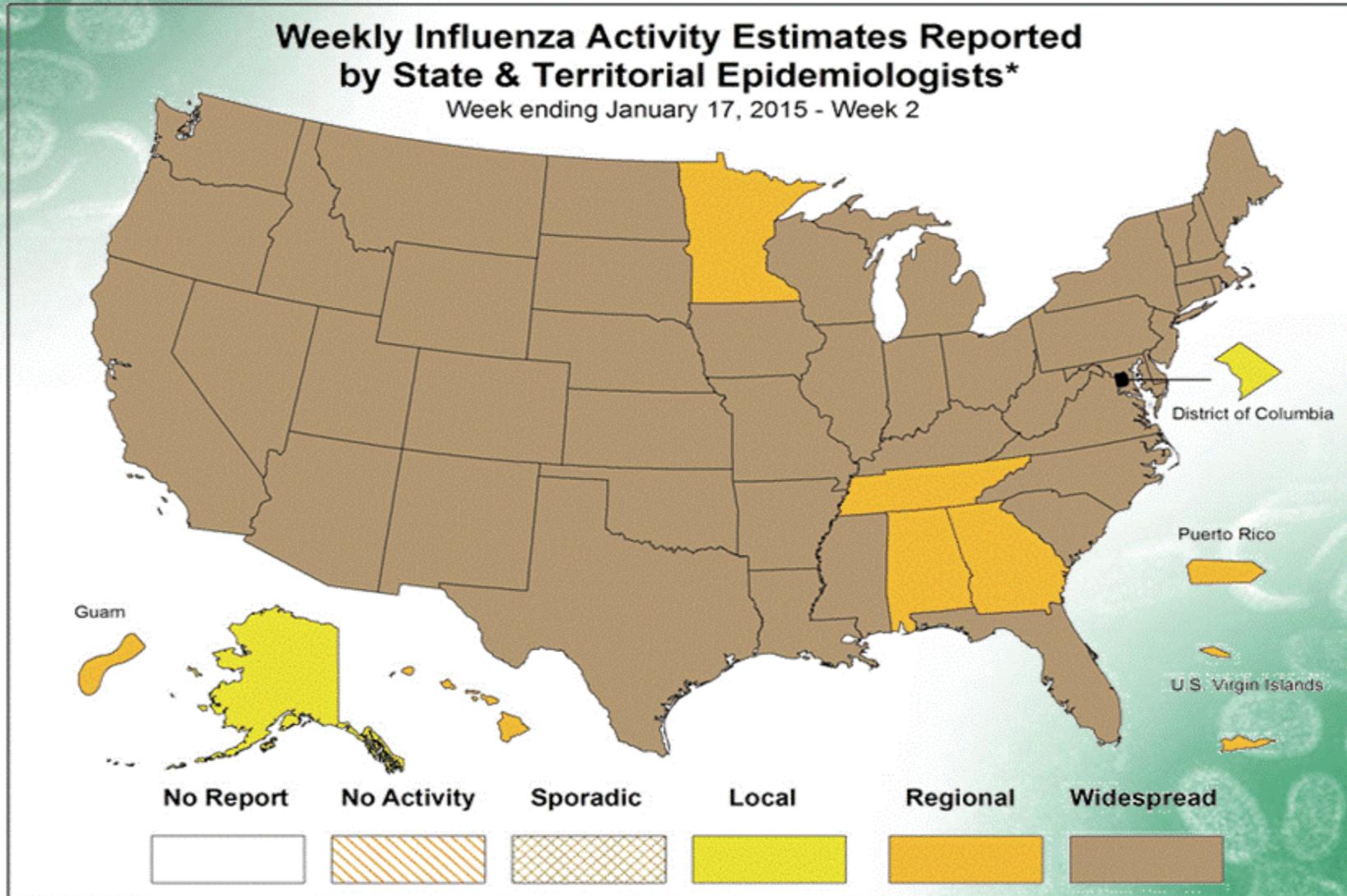
Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 48		Week 49		Week 50		Week 51		Week 52		Week 53		Week 1		Week 2	
	AD	Non-AD	AD	Non-AD	AD	Non-AD										
NRMC	2	10	5	30	11	60	44	197	28	145	23	93	35	89	27	68
SRMC	17	117	37	179	53	337	76	519	58	391	39	263	106	220	121	322
WRMC	1	12	6	24	4	61	19	129	14	126	4	63	18	64	17	75
ERMC	1	1	2	4	2	3	4	7	13	8	3	4	15	27	38	35
PRMC	0	1	0	1	1	1	1	3	0	5	3	7	9	17	21	38
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1

Locations providing week 2 laboratory data as of 21 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 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.

FLUVIEW

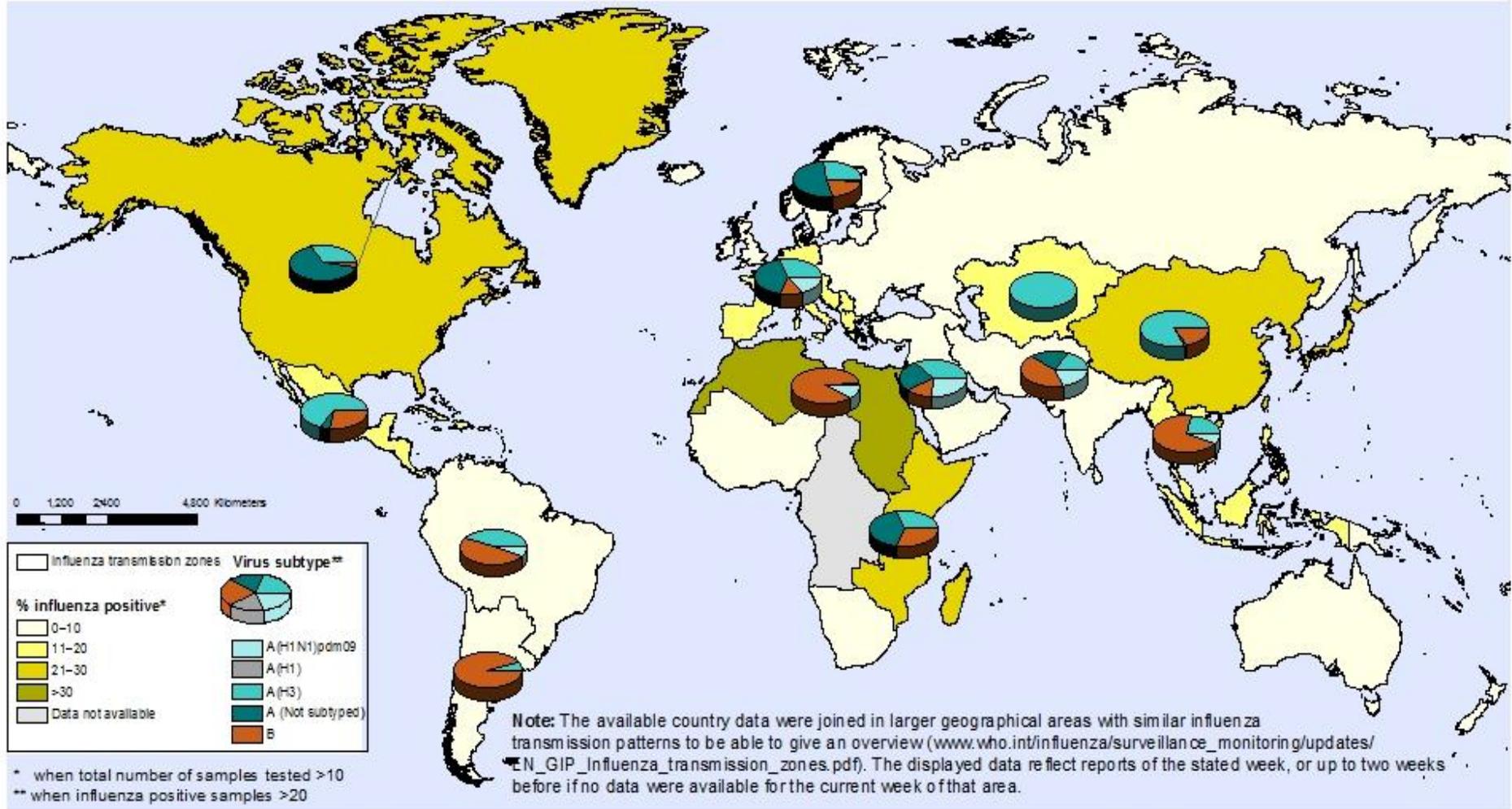
A Weekly Influenza Surveillance Report Prepared by the Influenza Division



* 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.



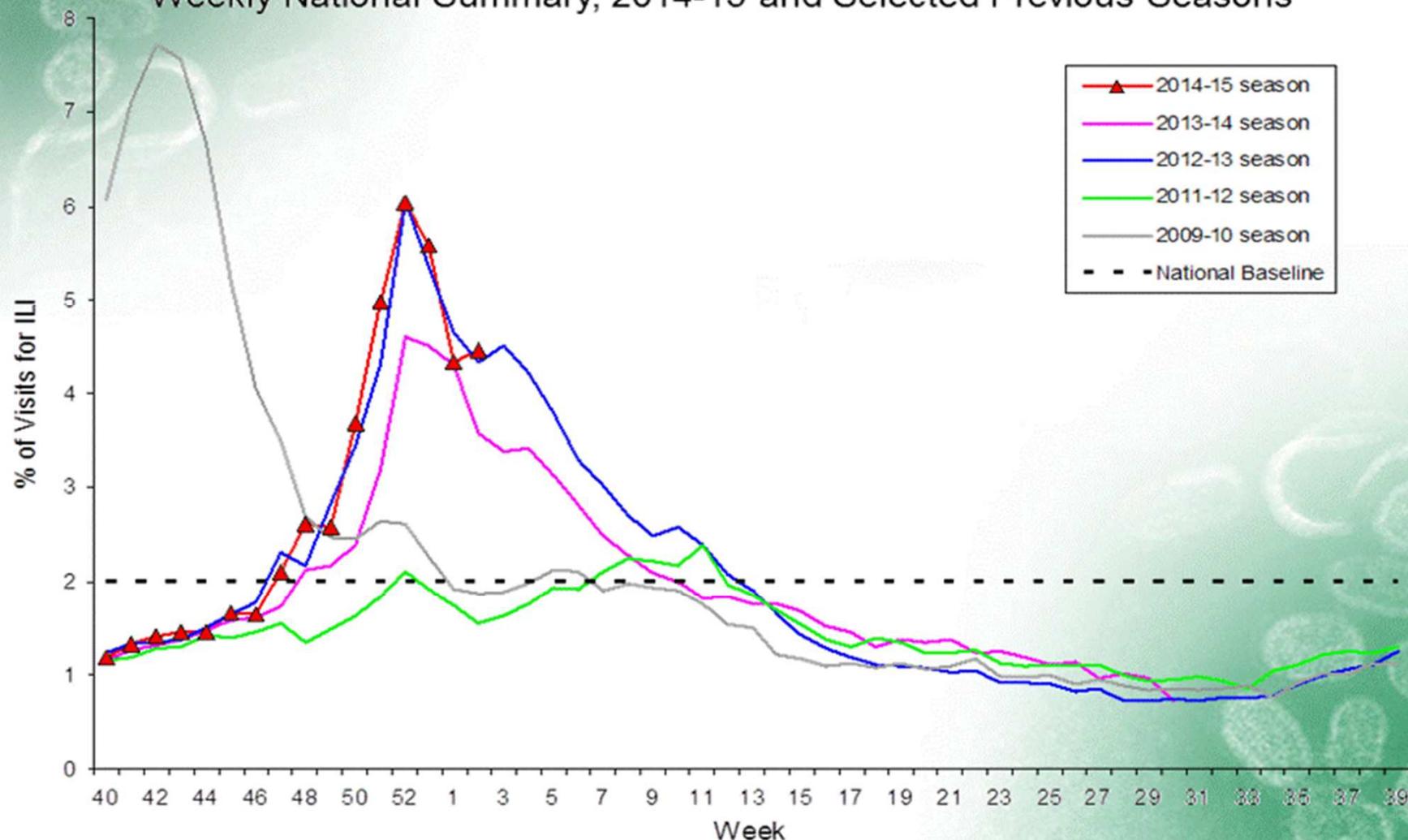
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FLUVIEW



A Weekly Influenza Surveillance Report Prepared by the Influenza Division

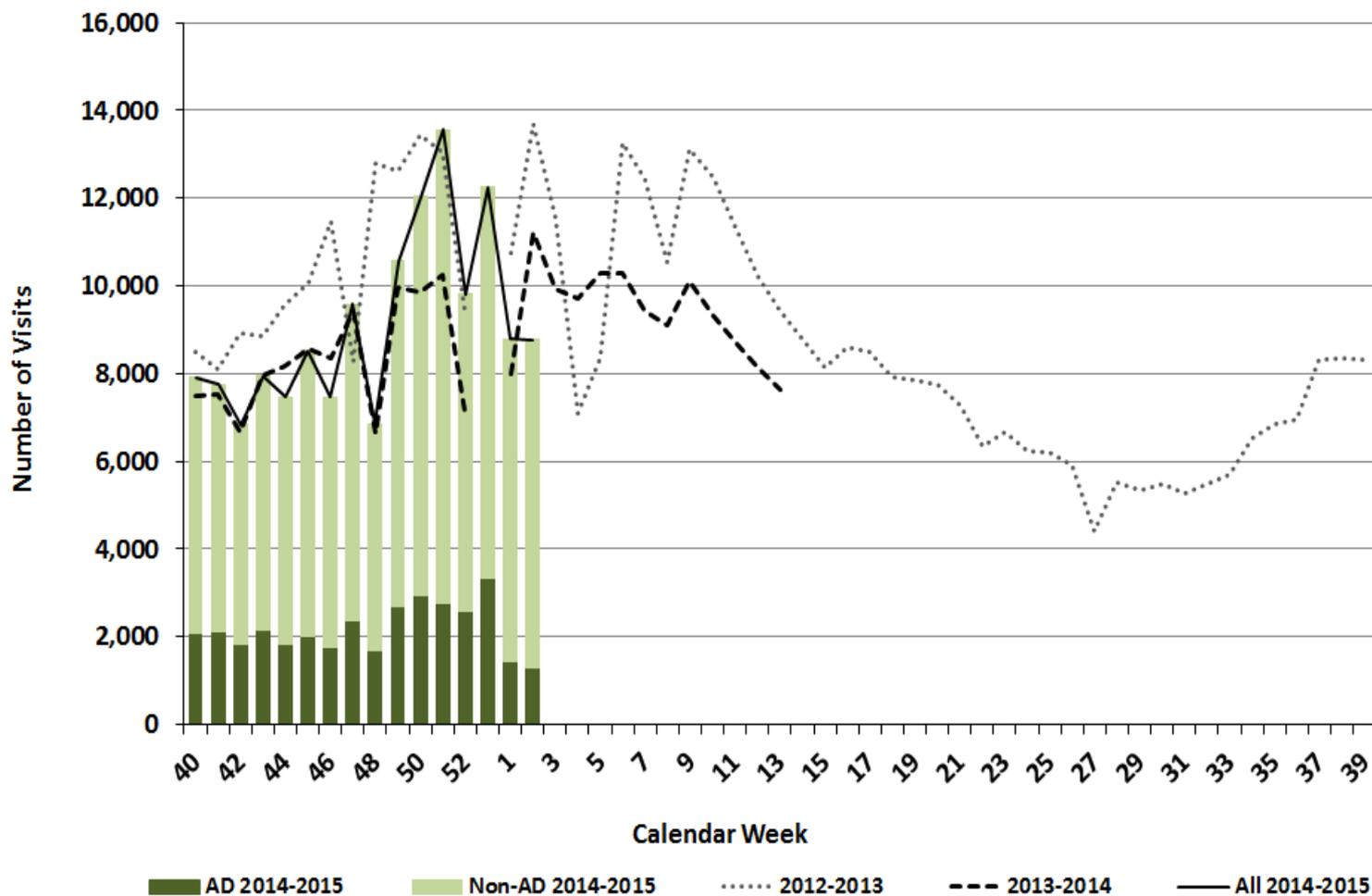
Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2014-15 and Selected Previous Seasons



*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

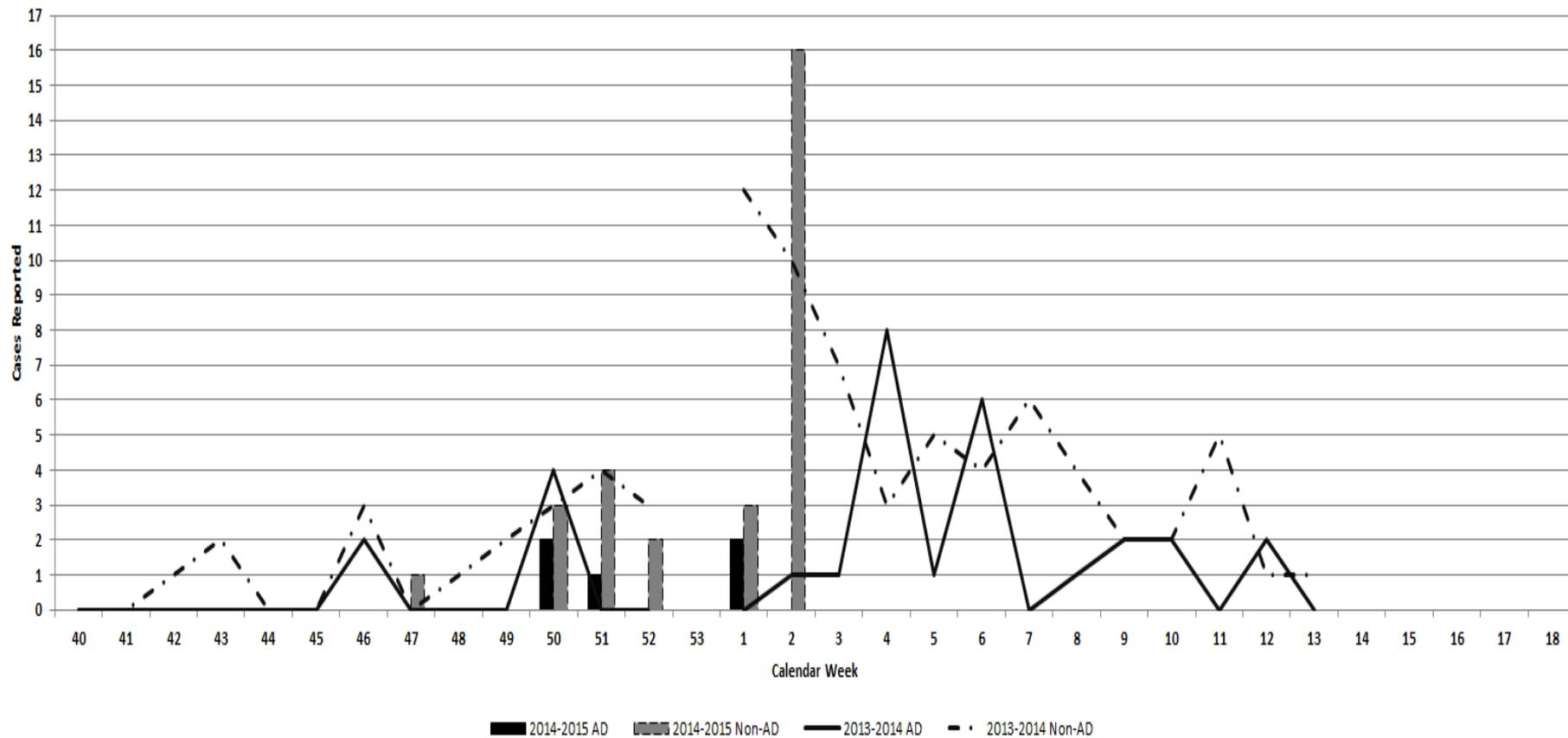


Clinic visits for ILI are obtained from ESSENCE. Data as of 21 January 2015.

Army MTF Laboratory Results, 2014-15

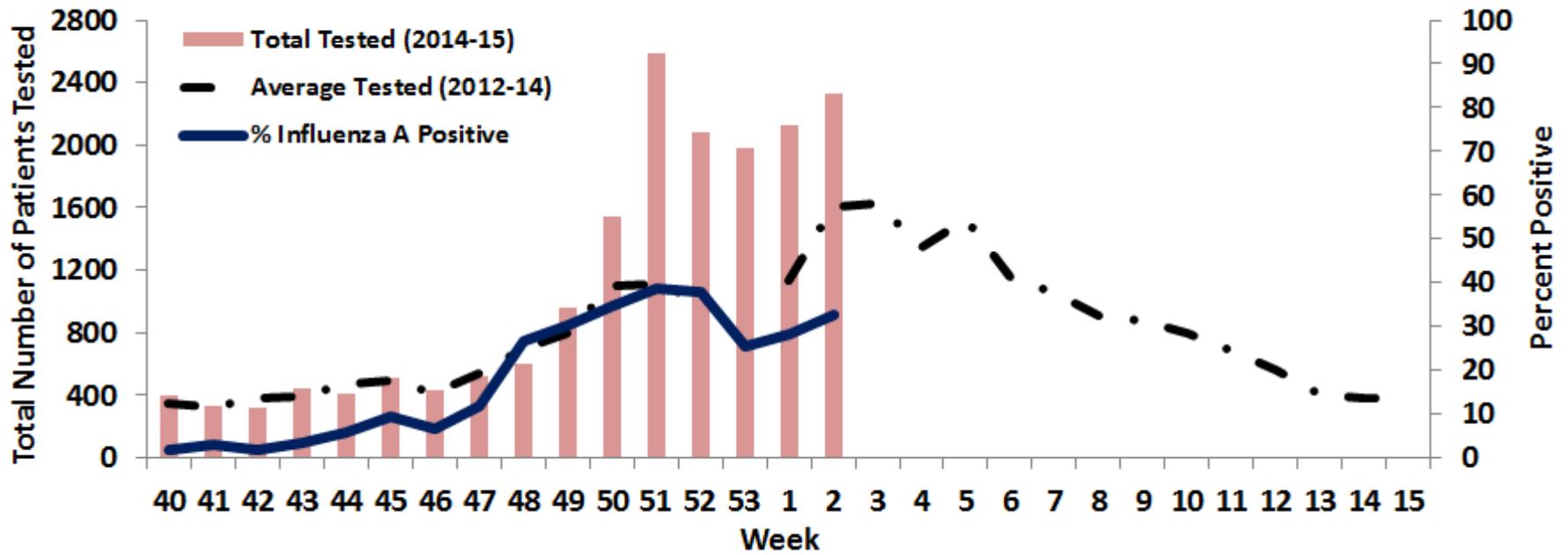
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Army Influenza Cases Reported in DRSi by Week of Symptom Onset

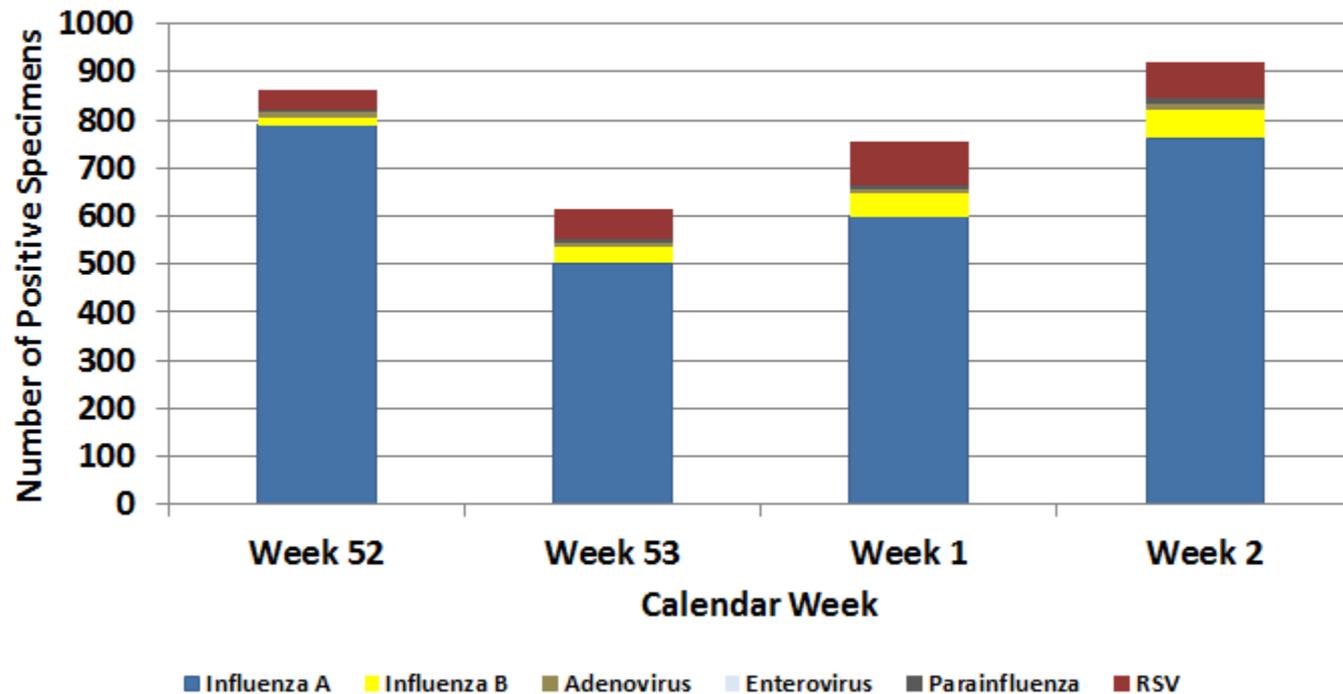


Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information
 Data as of 21 January 2015.

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

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PRMC	0	1	0	1	1	1	1	3	0	5	3	7	9	17	21	38
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1