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U.S. Army Influenza Activity Report

Week Ending 03 January 2015 (Week 53)

2014-2015 Seasonal Influenza Vaccination Coverage

As of 08 JAN 2015

93%	DOD
96%	Army Active Duty
90%	Army Guard
78%	Army Reserve

SYNOPSIS: Over the past two weeks, the number of specimens from Army MTFs which tested positive for influenza A decreased slightly. Most of the positive specimens were documented among the non-active duty population. Influenza reports for weeks 51 and 52 were not generated due to the holidays; however, captured trends are reported below.

- **ILI Activity:** Army incident ILI outpatient visits in week 53 were 4% higher than in week 52.
- **Influenza cases:** No hospitalized influenza cases were reported to USAPHC in week 53. To date, 7 cases have been reported during this influenza season: 2 AD SM and 5 non-AD beneficiaries.
- **Viral specimens:** During week 53, 579 of 2079 (28%) laboratory specimens tested positive for respiratory pathogens; 471 of 1883 (25%) specimens tested for influenza A were positive. SRMC reported the most influenza A-positive specimens (58%), followed by NRMC (25%), WRMC (13%), PRMC (2%), ERMC (1.5%), and CENTCOM (0.2%).

Geographic Spread

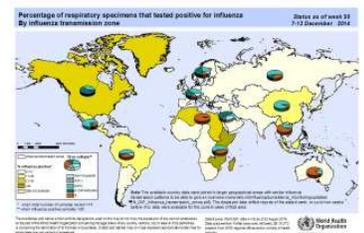


United States

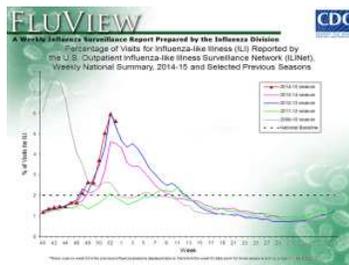
- In week 53, Puerto Rico, Guam, the US Virgin Islands and forty-nine states reported widespread and regional influenza activity. Local Activity was reported by the District of Columbia and one state (HI).

World Health Organization

- Influenza activity increased in most northern Africa countries, with influenza B virus predominating. In most of eastern and western Africa influenza activity was low or decreasing, except in Tanzania.

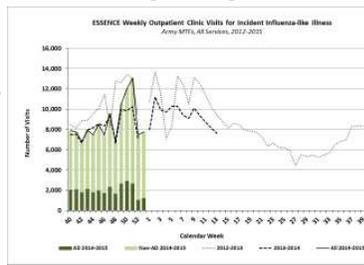


ILI Activity United States



- Nationwide during week 53, 5.6% 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 2.4% to 10.2% across the regions reporting.

ILI Activity Army



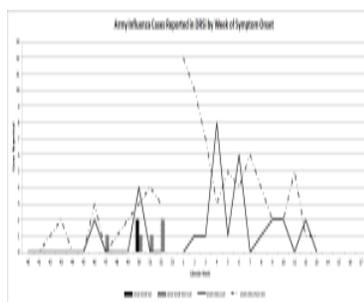
- During week 53, 7770 outpatient clinic visits for incident ILI were documented, a 4% increase from week 52 where 7456 visits were documented.
- AD SMs accounted for 16% of incident ILI clinic visits during week 53, compared to 14% during week 52.
- There was no week 53 in 2013.

Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2013-14					
Test Result	Week 50	Week 51	Week 52	Week 53	Season Total
Influenza A	533	1010	794	471	3478
Influenza B	19	25	18	29	127
Adenovirus	12	12	9	10	120
Enterovirus	0	0	0	0	4
Parainfluenza	9	15	5	8	135
RSV	54	71	44	61	505
Negative	1097	1826	1480	1500	10809
Total Results	1724	2959	2350	2079	15178

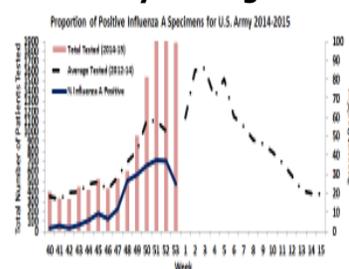
- 28% (579) of specimens tested positive during week 53.
- Influenza A accounted for 81% of positive specimens.
- RSV accounted for 11% of positive specimens, influenza B for 5%, adenovirus for 2%, and parainfluenza for 1%.
- No specimens tested positive for enterovirus.

DRSi Influenza Case Reporting

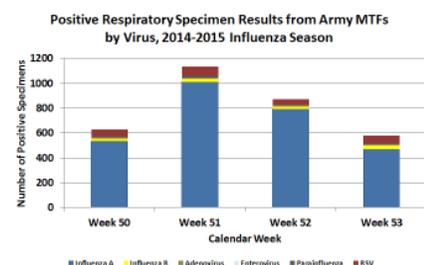


- Since the last report, 4 hospitalized influenza cases have been reported. Two of three unvaccinated dependents had underlying conditions. The fourth case was a vaccinated AD SM.
- A total of 7 hospitalized influenza cases have been reported to date this season; 25 had been reported by this point last season.

Laboratory Testing for Influenza A



- In week 53, 471 of 1883 (25%) specimens tested for influenza A were positive, a moderate decrease from week 52 where 37.1% of specimens tested positive for influenza A. 400 (85%) of the positive influenza A specimens were from non-AD personnel.
- SRMC labs reported 275 (58%) of the total influenza A positive specimens. NRMC reported 116 (25%) positive influenza A specimens, WRMC reported 62 (13%), PRMC reported 10 (2%), ERMC reported 7 (1.5%), and CENTCOM reported 1 (0.2%).



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

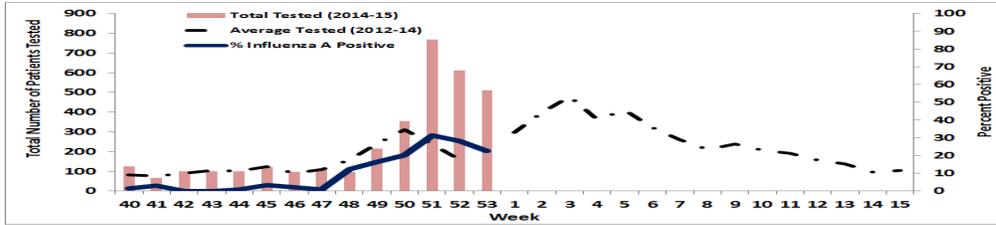
Questions?

Email USAPHC-DEP
410-417-3774

U.S. Army Influenza Activity Report

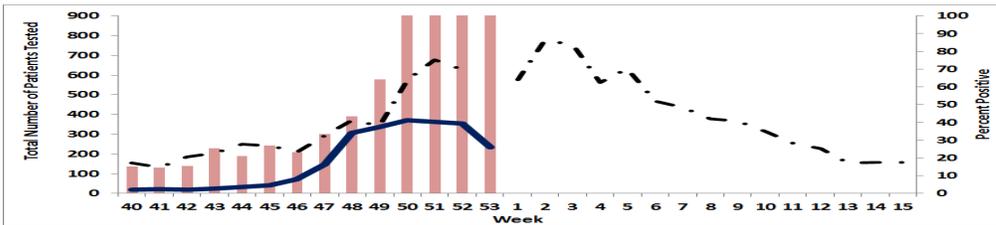
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2014-2015 as Compared to 2013-2014

Northern Regional Medical Command (NRMC)



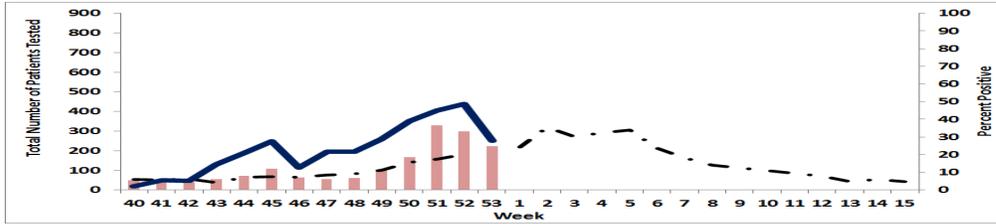
Week 53			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	40	343
18-29	8	7	94
30-39	9	6	63
40-49	6	8	58
50-59	0	7	33
60+	0	25	69
Total	23	93	660

Southern Regional Medical Command (SRMC)



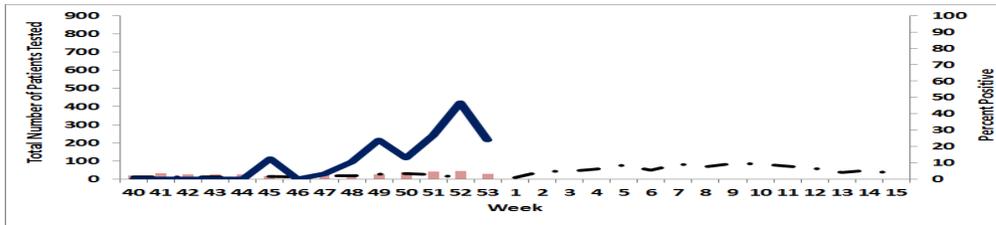
Week 53			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	114	1253
18-29	10	39	292
30-39	21	17	241
40-49	6	12	148
50-59	1	31	125
60+	0	24	130
Total	38	237	2189

Western Regional Medical Command (WRMC)



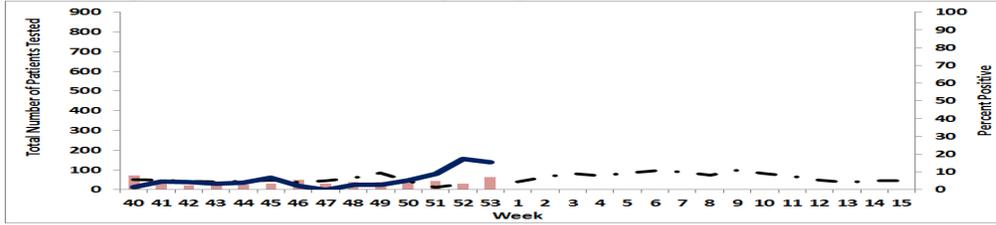
Week 53			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	29	355
18-29	2	8	57
30-39	2	4	49
40-49	0	2	22
50-59	0	4	23
60+	0	11	35
Total	4	58	541

Europe Regional Medical Command (ERMC)



Week 53			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	4	17
18-29	1	0	17
30-39	2	0	16
40-49	0	0	4
50-59	0	0	0
60+	0	0	1
Total	3	4	55

Pacific Regional Medical Command (PRMC)



Week 53			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	2	10
18-29	2	2	12
30-39	1	2	4
40-49	0	0	2
50-59	0	1	2
60+	0	0	2
Total	3	7	32

Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 46		Week 47		Week 48		Week 49		Week 50		Week 51		Week 52		Week 53	
	AD	Non-AD														
NRMC	0	2	1	0	2	10	5	30	11	60	44	197	28	145	23	93
SRMC	4	13	5	44	17	117	37	179	53	337	77	529	61	394	38	237
WRMC	2	6	1	11	1	12	6	24	4	61	19	129	14	126	4	58
ERMC	0	0	1	0	1	1	2	4	2	3	4	7	13	8	3	4
PRMC	1	0	0	0	0	1	0	1	1	1	1	3	0	5	3	7
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Locations providing week 53 laboratory data as of 07 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
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*

Week Ending January 03, 2015- Week 53



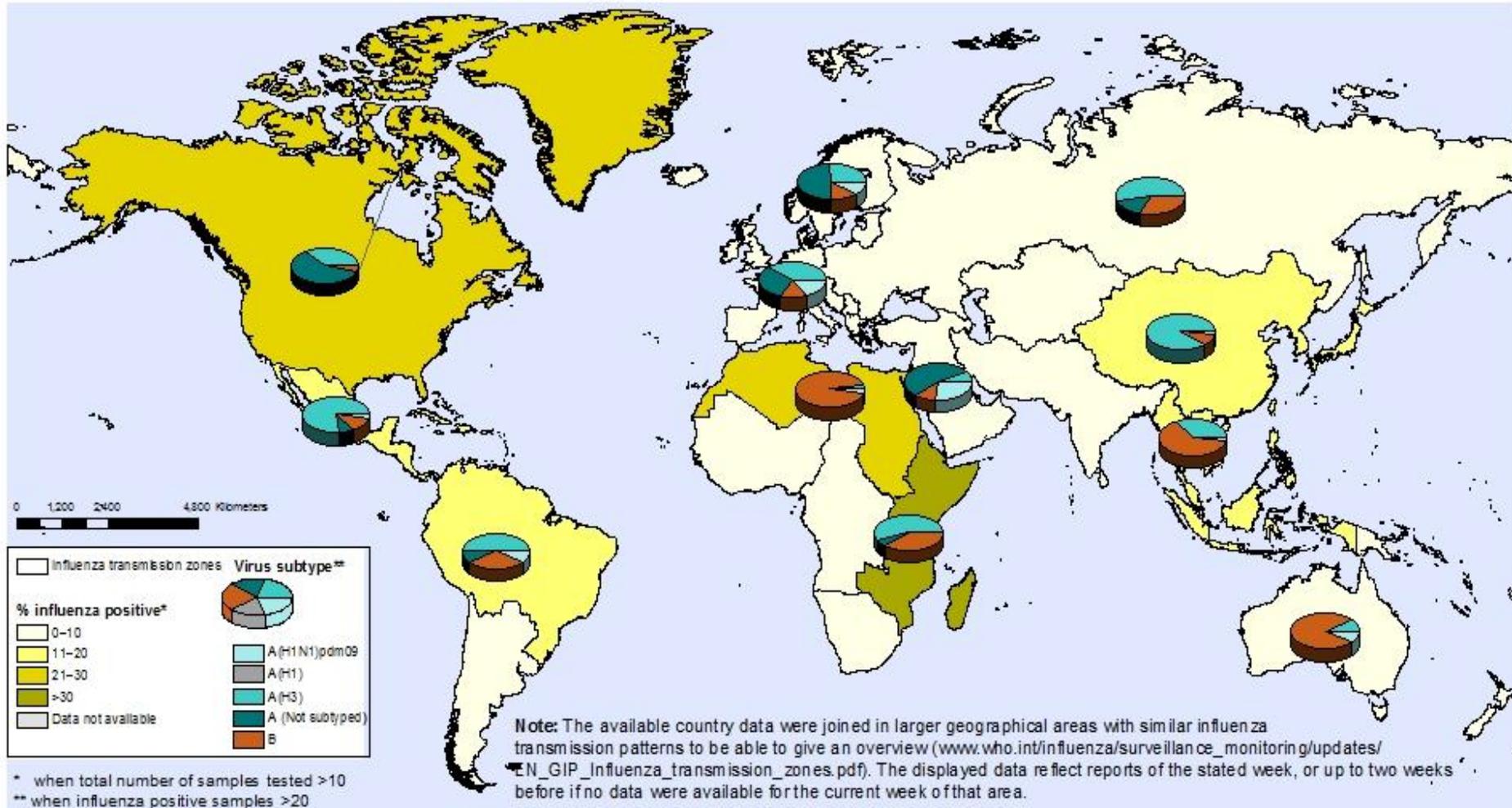
[«Previous Week](#)

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*This map indicates geographic spread and 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 50
7-13 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.



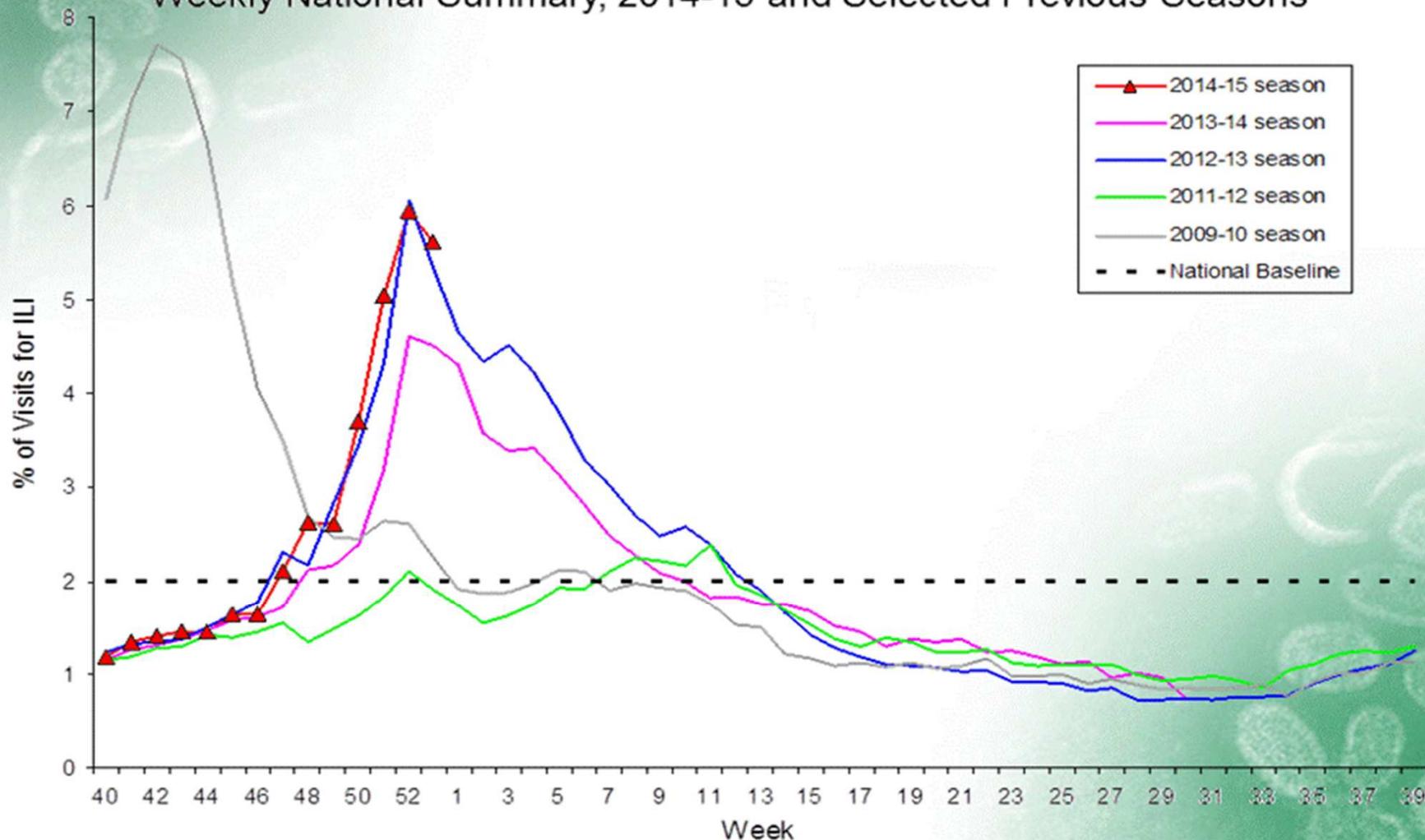
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FLUVIEW



A Weekly Influenza Surveillance Report Prepared by the Influenza Division

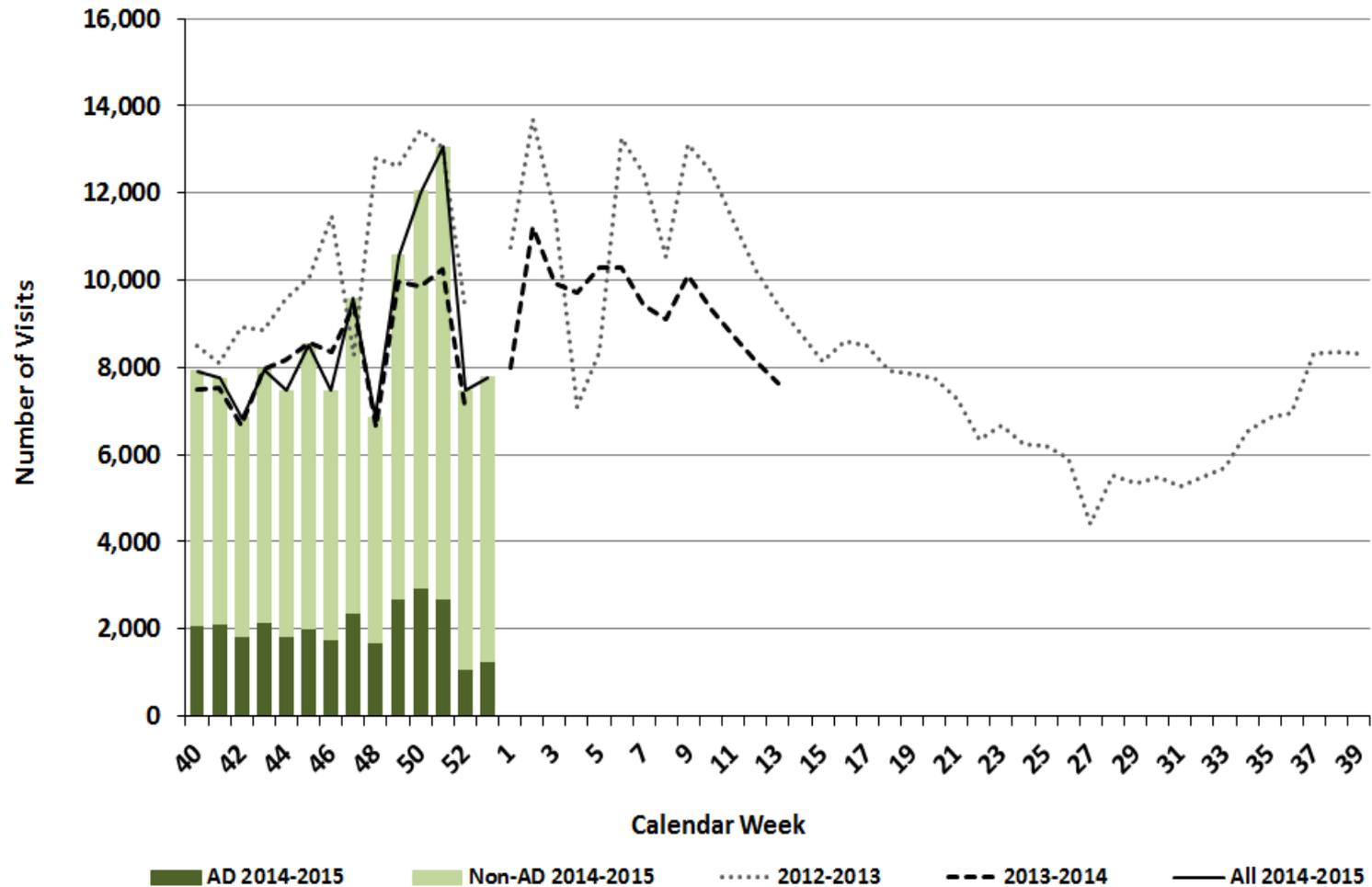
Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2014-15 and Selected Previous Seasons



*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

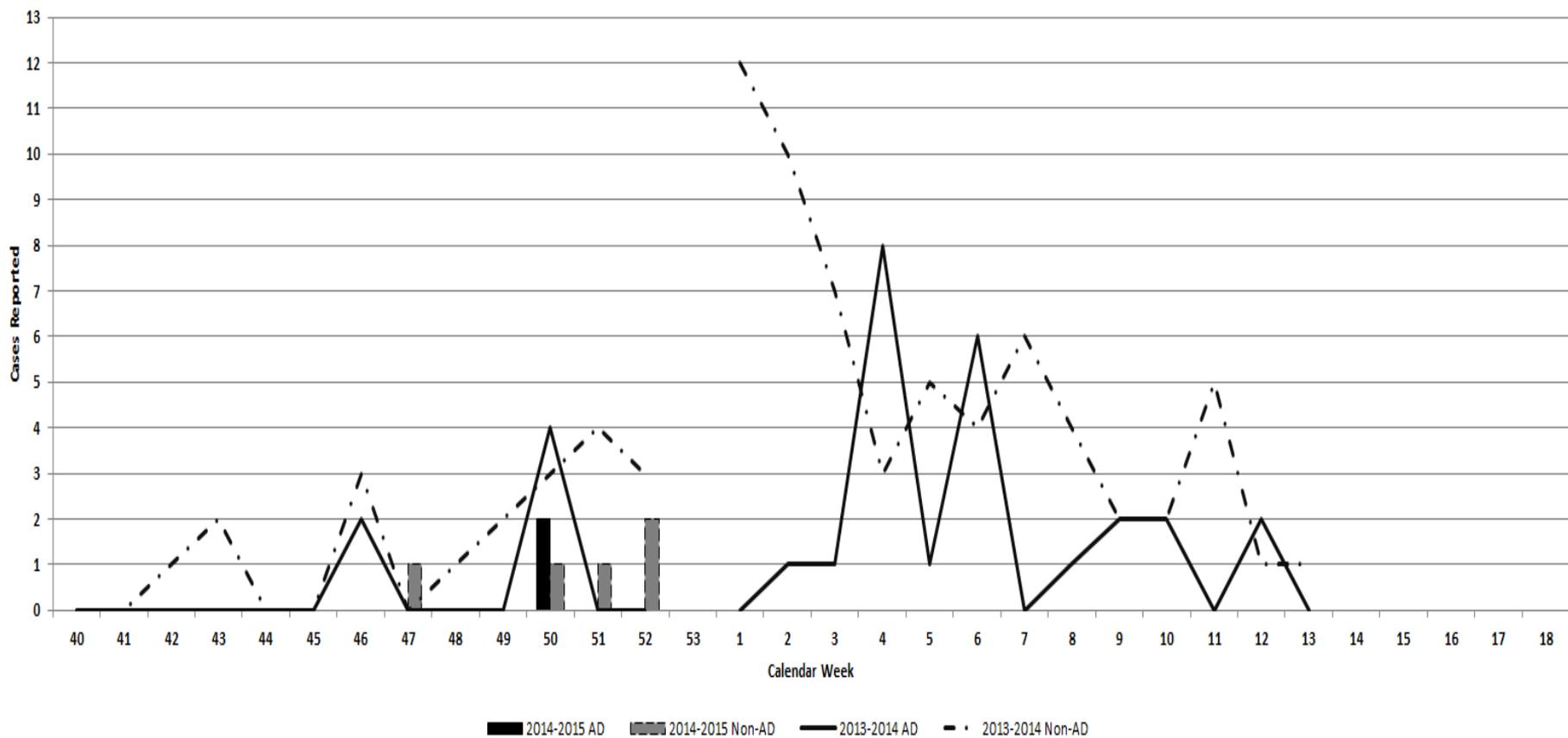


Clinic visits for ILI are obtained from ESSENCE. Data as of 08 January 2015.

Army MTF Laboratory Results, 2013-14

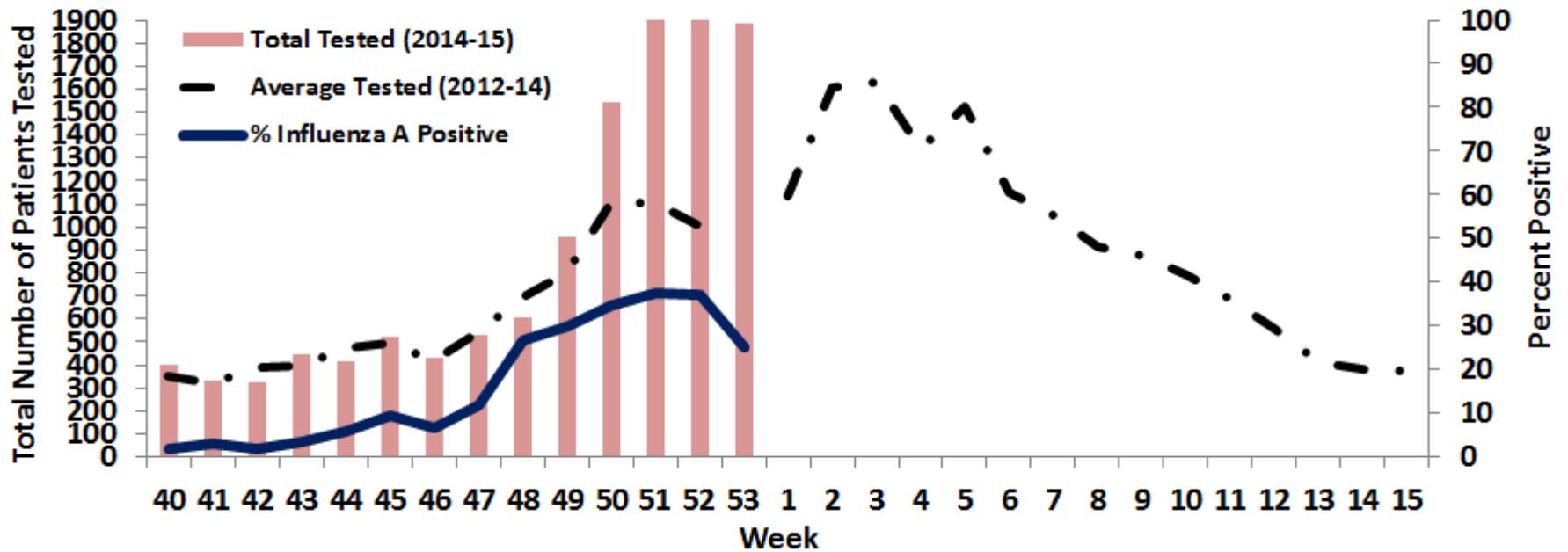
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Army Influenza Cases Reported in DRSi by Week of Symptom Onset



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 07 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

