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# U.S. Army Influenza Activity Report

Week Ending 24 January 2015 (Week 03)

## 2014-2015 Seasonal Influenza Vaccination Coverage

As of 22 JAN 2015

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

**SYNOPSIS:** During week three, the number of specimens testing positive for influenza A declined in all regions except for WRMC.

- **Influenza-like illness (ILI) activity:** Army incident ILI outpatient visits in week three were 3% lower than for the same week last year.
- **Influenza cases:** 5 hospitalized influenza cases were reported to USAPHC in week three, 1 in an Active Duty (AD) service member (SM) and 4 in non-AD beneficiaries. To date, 39 cases have been reported during this influenza season: 6 AD SM and 33 non-AD beneficiaries.
- **Viral specimens:** During week three, 891 of 2621 (34%) laboratory specimens tested positive for respiratory pathogens; 711 of 2264 (31%) specimens tested for influenza A were positive. SRMC reported the most influenza A-positive specimens (46%), followed by NRMCM (17%), WRMC (15%), ERMC (14%), PRMC (8%), and CENTCOM (0%).

## Geographic Spread

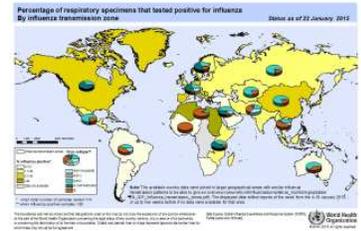


### United States

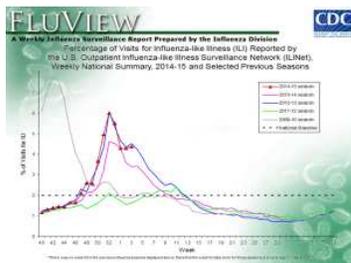
- In week three, Puerto Rico, the US Virgin Islands and forty-nine states reported widespread and regional influenza activity. Local activity was reported by the District of Columbia, Guam, and one state (AK).

### World Health Organization

- In Europe influenza activity was still on the rise with highest activity in the north-western part. Influenza A(H3N2) predominated this season. In central Asia influenza activity remained low.

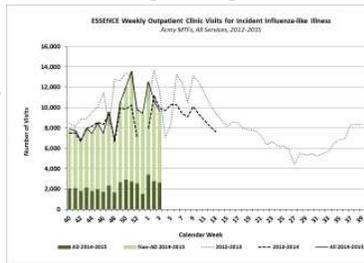


## ILI Activity United States



- Nationwide during week three, 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 2.5% to 7.7% across the regions reporting.

## ILI Activity Army



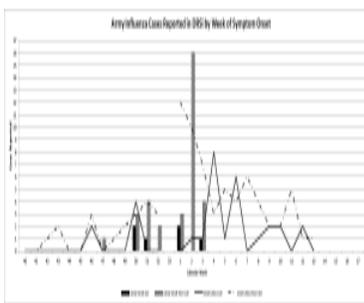
- During week three, incident ILI activity was 3% lower than the same time last year and 16% lower than week three in 2012-2013.
- AD SMs accounted for 28% of incident ILI clinic visits during week three; in 2013-2014, AD SMs comprised 25% of ILI clinic visits on average during week three.

## Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2014-15					
Test Result	Week 53	Week 1	Week 2	Week 3	Season Total
Influenza A	503	600	850	711	5625
Influenza B	32	46	65	69	310
Adenovirus	10	10	12	7	149
Enterovirus	0	0	0	0	4
Parainfluenza	8	10	9	16	170
RSV	61	88	83	88	768
Negative	1549	1634	1768	1730	15718
<b>Total Results</b>	<b>2163</b>	<b>2388</b>	<b>2787</b>	<b>2621</b>	<b>22744</b>

- 34% (891) of specimens tested positive during week three.
- Influenza A accounted for 80% of positive specimens.
- RSV accounted for 10% of positive specimens, influenza B for 8%, parainfluenza for 2%, and adenovirus for 1%.
- No specimens tested positive for enterovirus.

## DRSi Influenza Case Reporting

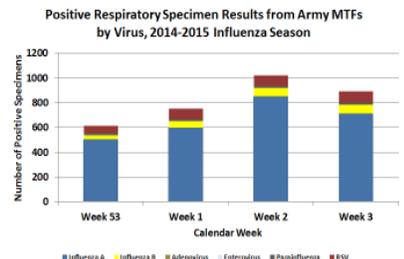


- In week three, 5 influenza-associated hospitalizations were reported in DRSi; 1 vaccinated AD SM and 4 unvaccinated non-AD beneficiaries (1 of whom had an underlying condition).
- A total of 39 hospitalized influenza cases have been reported to date this season; 56 had been reported by this point last season.

## Laboratory Testing for Influenza A



- In week three, 711 of 2264 (31%) specimens tested for influenza A were positive, a decrease from week two where 34% of specimens tested positive for influenza A. 552 (78%) of the positive influenza A specimens were from non-AD beneficiaries.
- SRMC labs reported 328 (46%) of the total influenza A positive specimens. NRMCM reported 120 (17%) positive influenza A specimens, WRMC reported 109 (15%), ERMC reported 96 (14%), PRMC reported 58 (8%), and CENTCOM reported zero.



**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

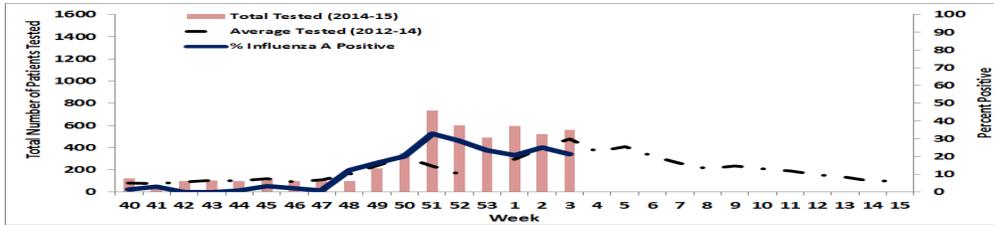
## Questions?

Email [USAPHC-DEP](mailto:USAPHC-DEP)  
410-417-3774

# U.S. Army Influenza Activity Report

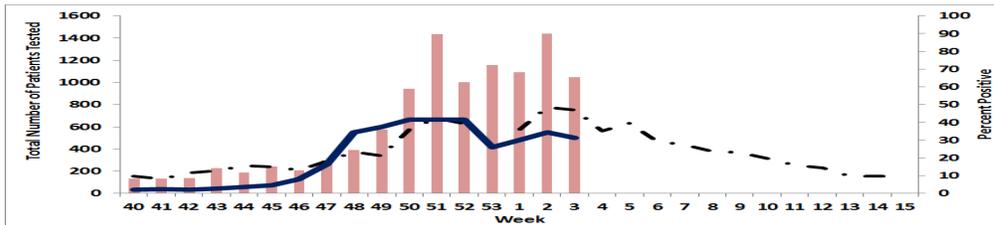
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2014-2015 as Compared to 2013-2014

## Northern Regional Medical Command (NRMC)



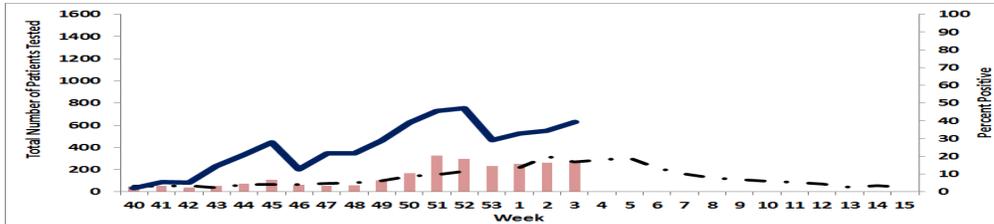
Week 3			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	63	518
18-29	15	8	168
30-39	4	6	104
40-49	3	4	89
50-59	1	4	51
60+	0	12	109
<b>Total</b>	<b>23</b>	<b>97</b>	<b>1039</b>

## Southern Regional Medical Command (SRMC)



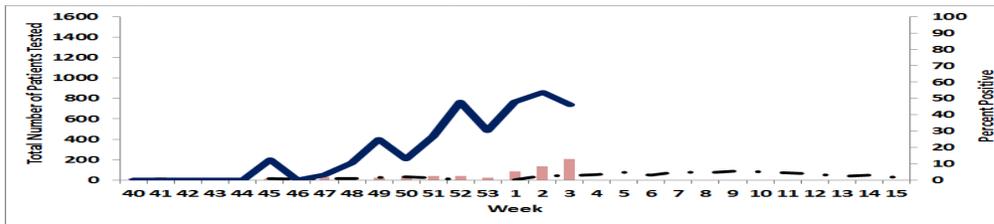
Week 3			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	165	1749
18-29	40	30	567
30-39	20	10	367
40-49	15	14	229
50-59	0	11	177
60+	0	23	228
<b>Total</b>	<b>75</b>	<b>253</b>	<b>3317</b>

## Western Regional Medical Command (WRMC)



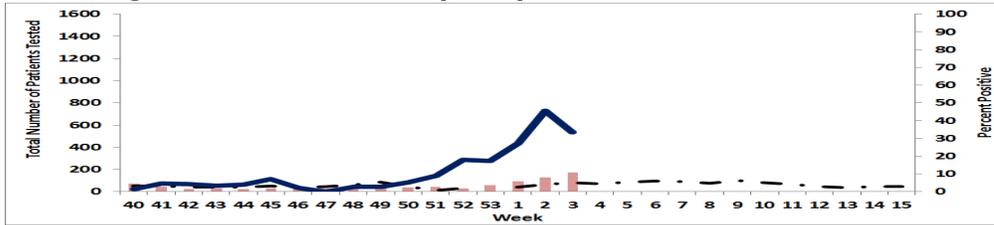
Week 3			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	70	522
18-29	9	6	100
30-39	3	4	72
40-49	0	4	36
50-59	1	4	32
60+	0	8	64
<b>Total</b>	<b>13</b>	<b>96</b>	<b>826</b>

## Europe Regional Medical Command (ERMC)



Week 3			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	42	96
18-29	12	12	74
30-39	9	7	61
40-49	5	4	23
50-59	1	4	9
60+	0	0	3
<b>Total</b>	<b>27</b>	<b>69</b>	<b>266</b>

## Pacific Regional Medical Command (PRMC)



Week 3			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	24	60
18-29	12	7	54
30-39	7	2	31
40-49	2	2	11
50-59	0	1	10
60+	0	1	9
<b>Total</b>	<b>21</b>	<b>37</b>	<b>175</b>

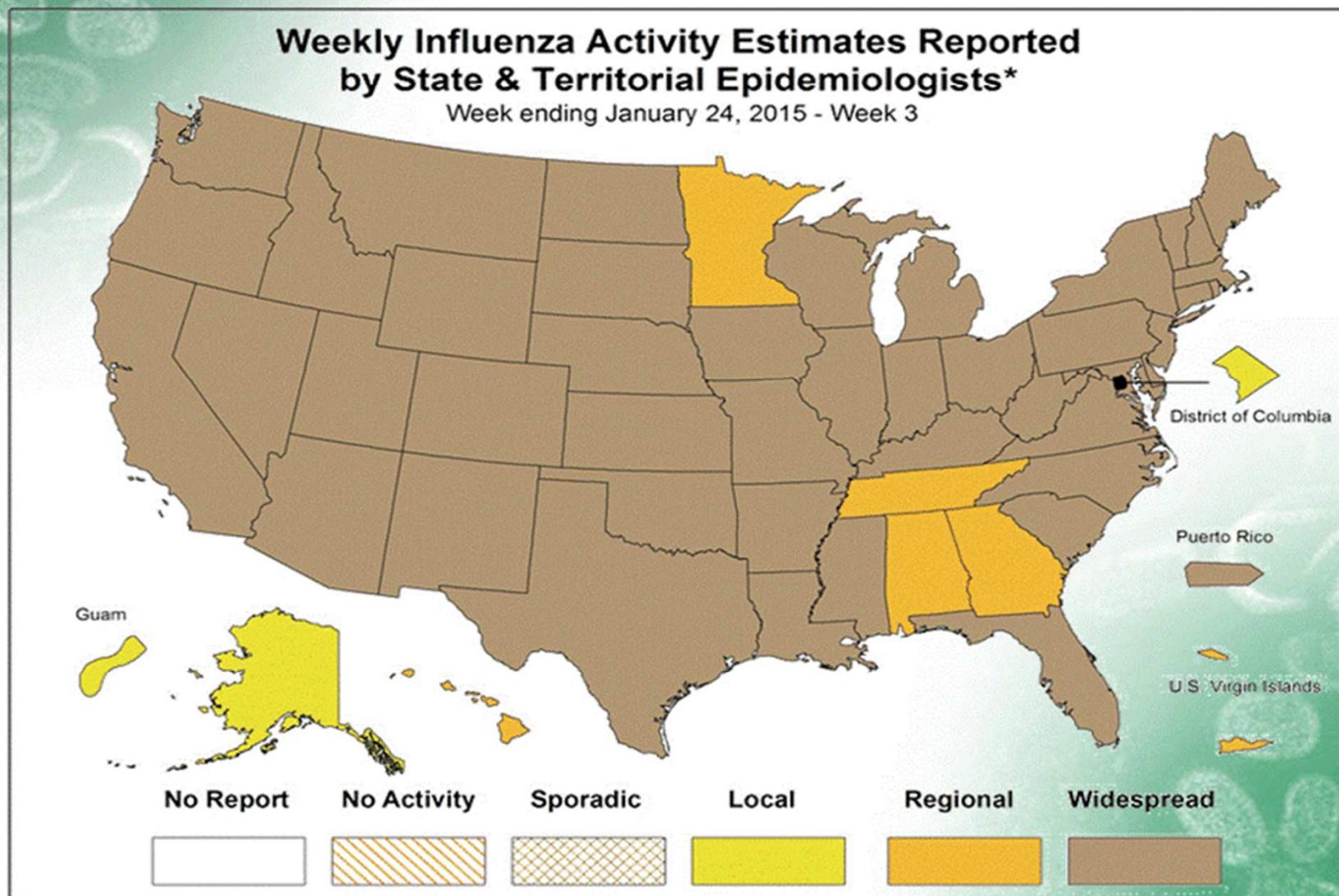
Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 49		Week 50		Week 51		Week 52		Week 53		Week 1		Week 3	
	AD	Non-AD	AD	Non-AD	AD	Non-AD								
NRMC	5	30	11	60	44	197	28	145	23	93	35	89	35	96
SRMC	37	179	53	337	76	519	52	366	39	263	106	220	128	367
WRMC	6	24	4	61	19	129	14	126	4	63	18	64	16	75
ERMC	2	4	2	3	4	7	13	8	3	4	15	27	38	35
PRMC	0	1	1	1	1	3	0	5	3	7	9	17	21	38
CENTCOM	0	0	0	0	0	0	0	0	0	1	0	0	0	1

**Locations providing week 3 laboratory data as of 28 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

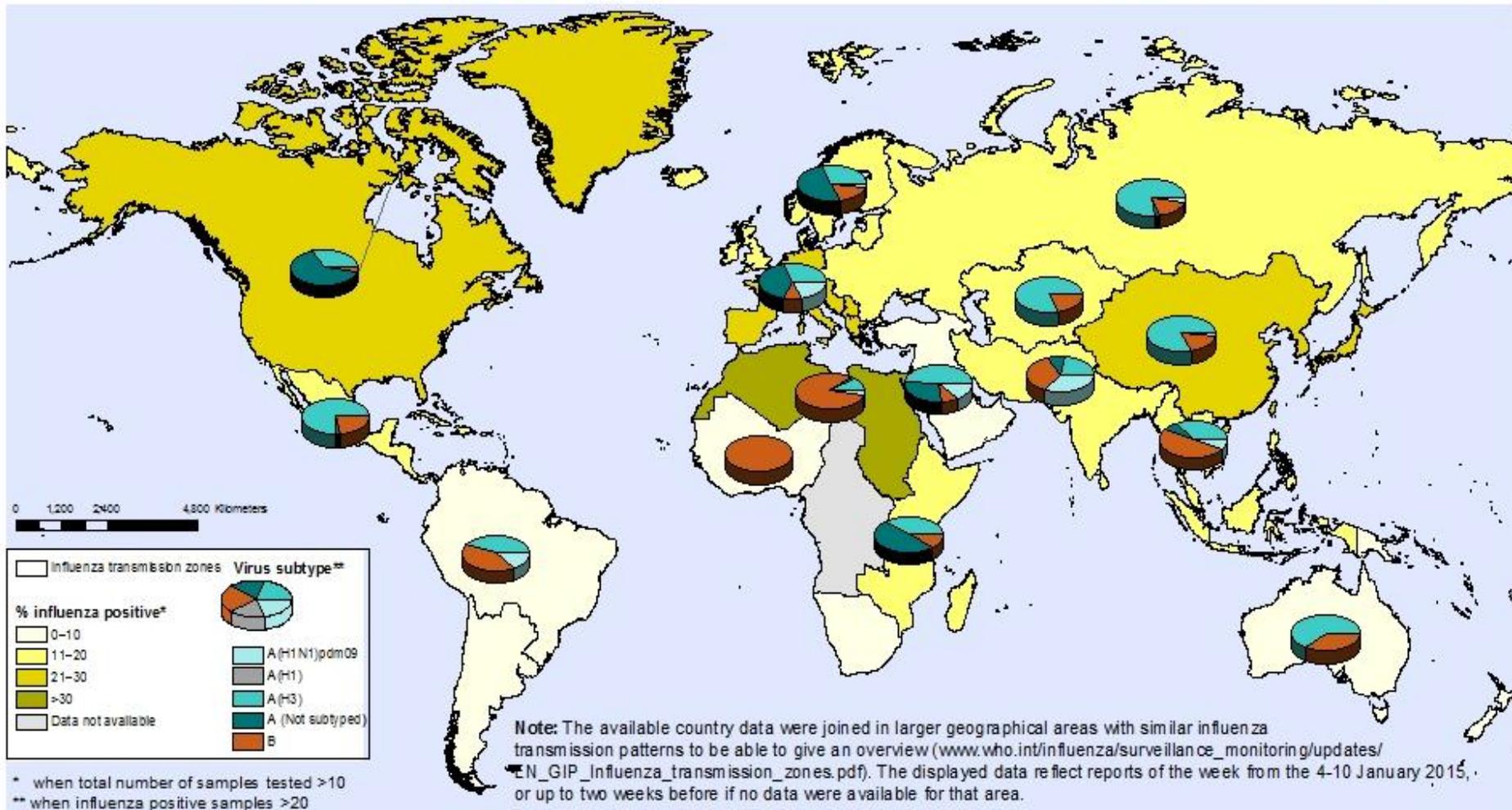
A Weekly Influenza Surveillance Report Prepared by the Influenza Division



\* 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 22 January 2015



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.

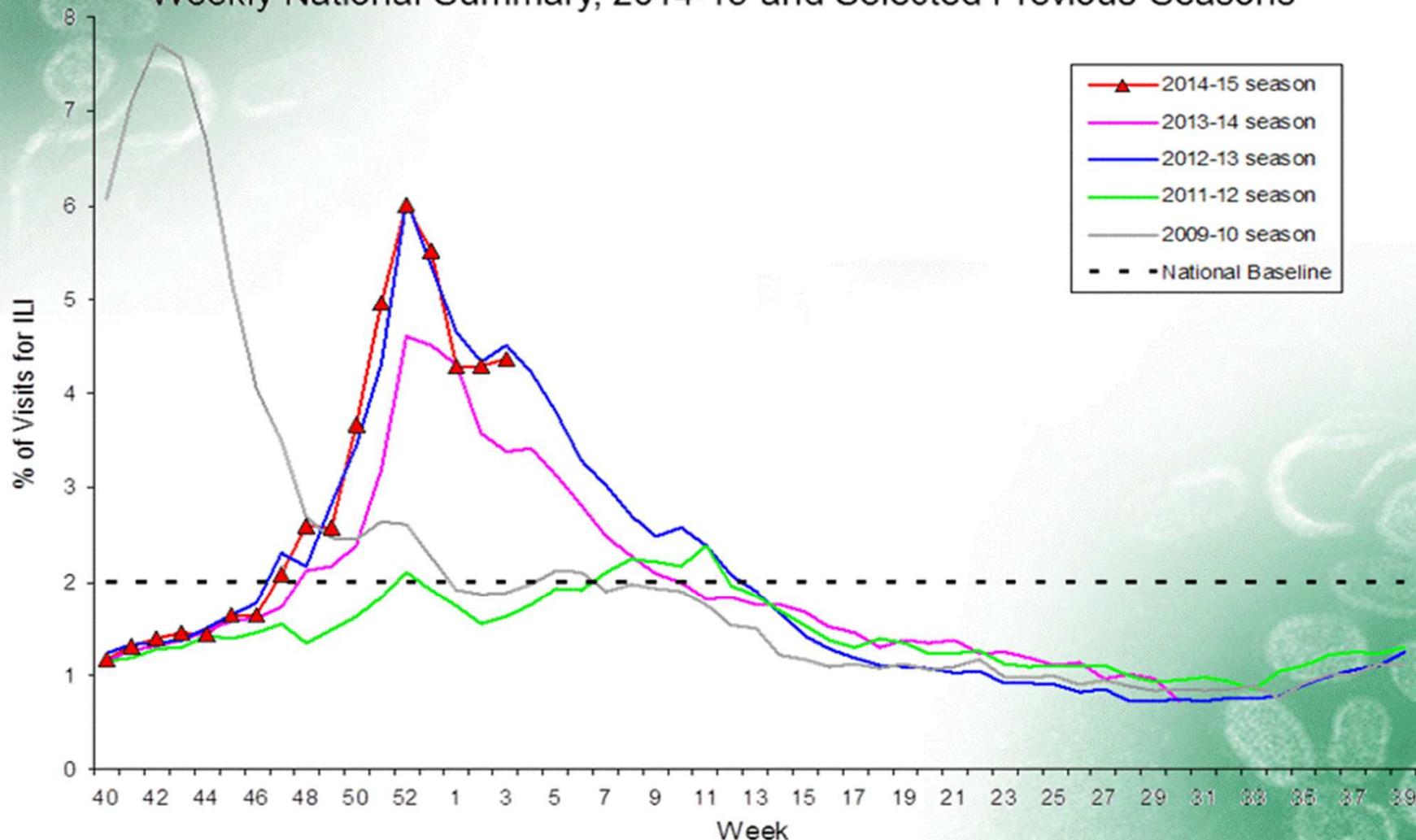
Data Source: Global Influenza Surveillance and Response System (GISRS),  
FluNet ([www.who.int/flu-net](http://www.who.int/flu-net)).

# FLUVIEW



## A Weekly Influenza Surveillance Report Prepared by the Influenza Division

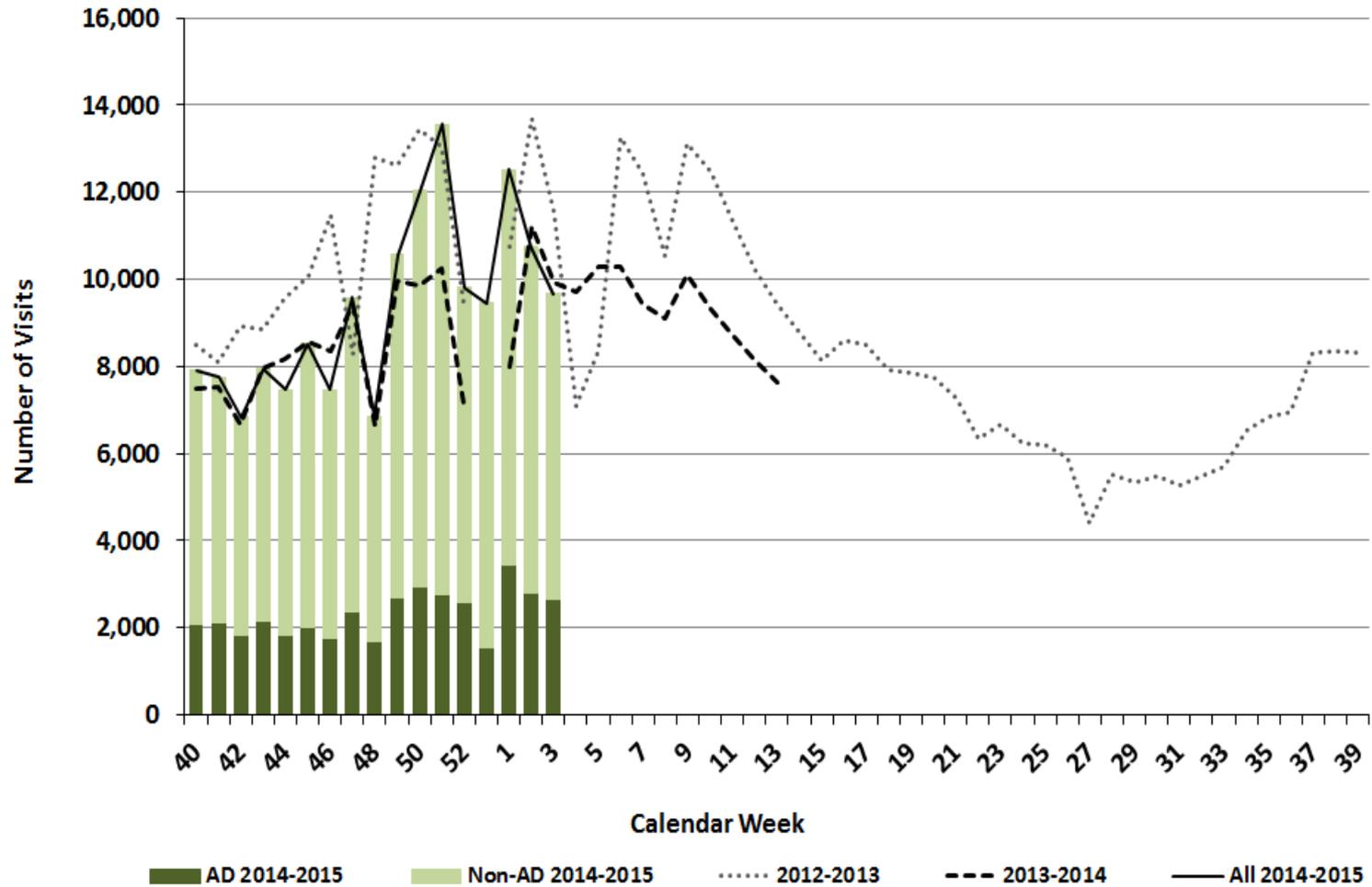
Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2014-15 and Selected Previous Seasons



\*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

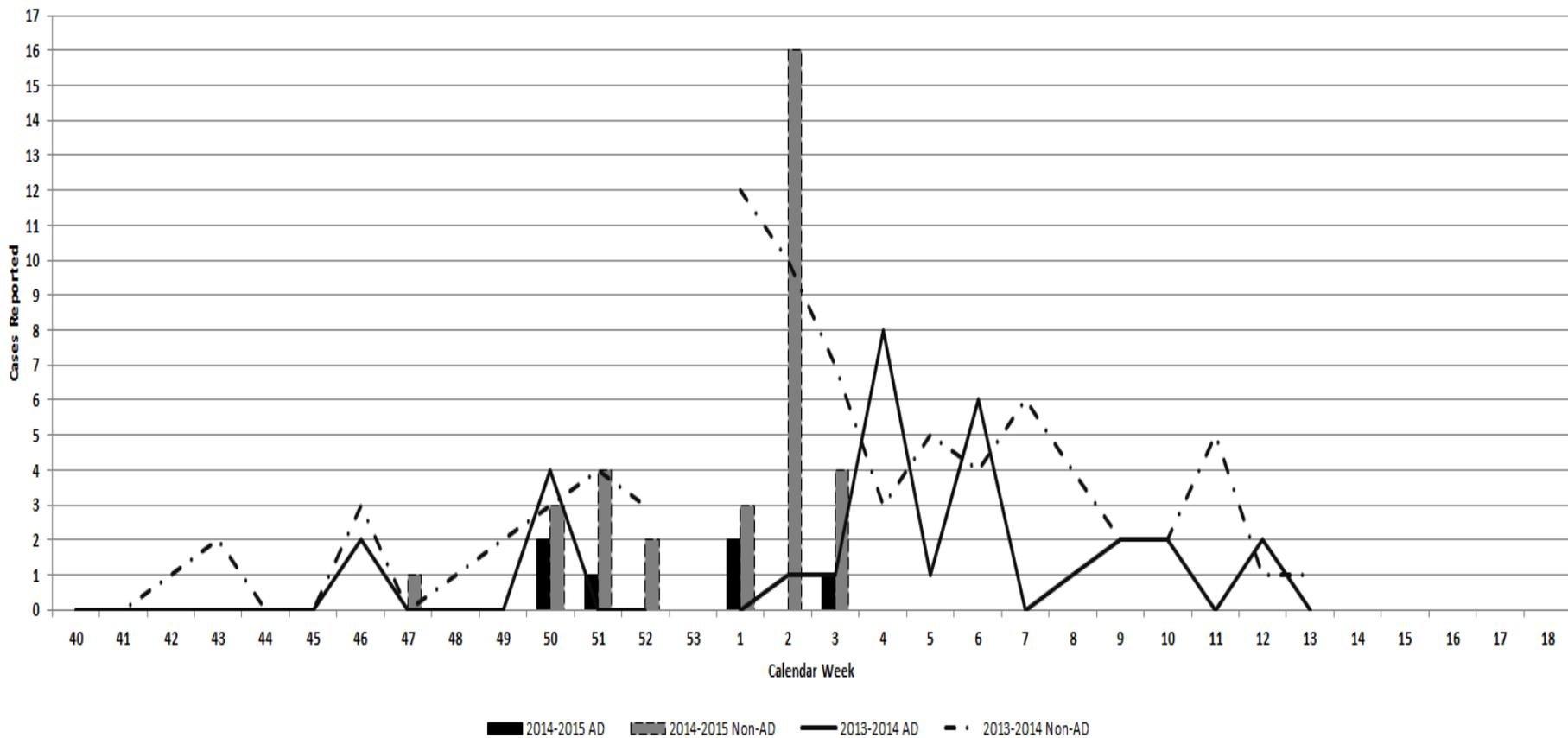


Clinic visits for ILI are obtained from ESSENCE. Data as of 29 January 2015.

### Army MTF Laboratory Results, 2014-15

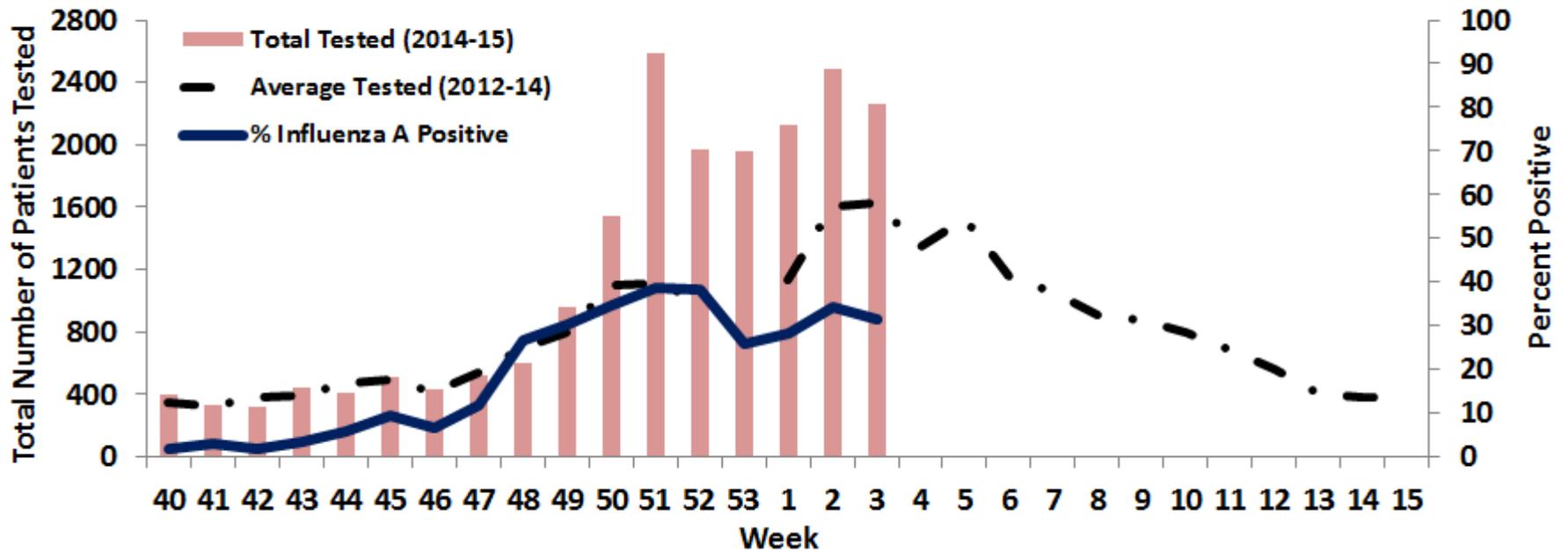
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<b>RSV</b>	61	88	83	88	<b>768</b>
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Army Influenza Cases Reported in DRSi by Week of Symptom Onset

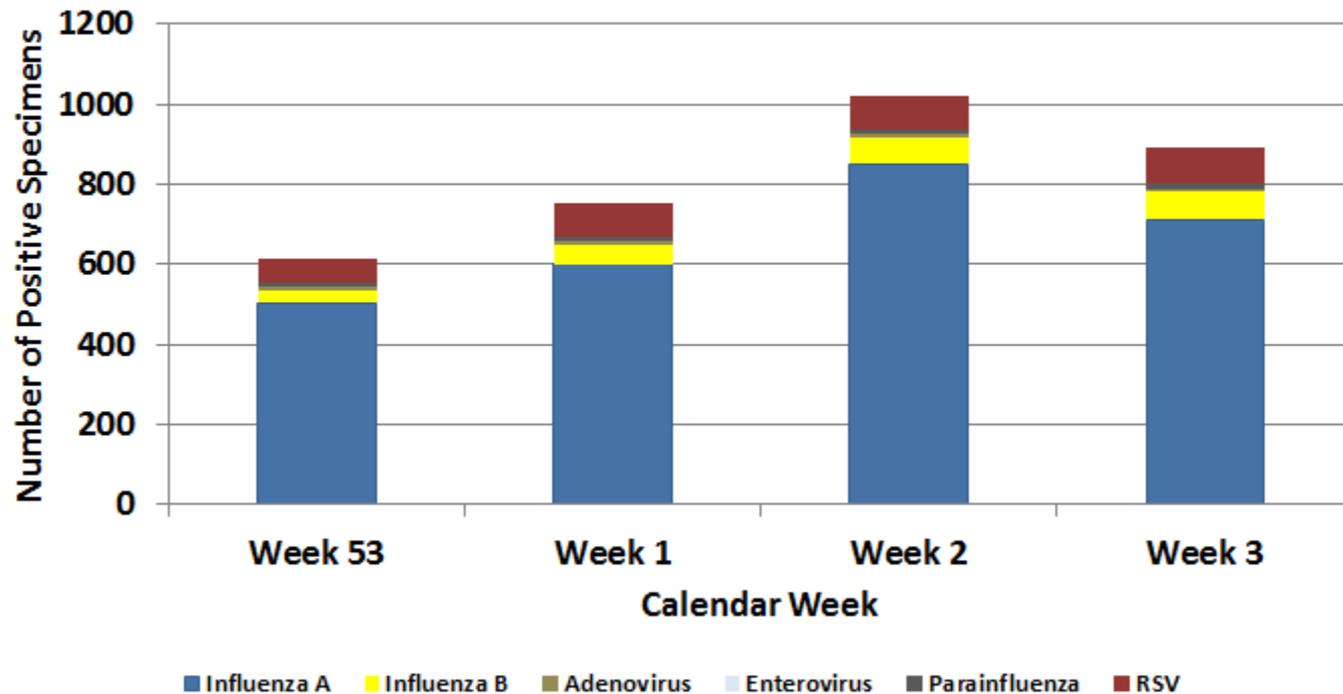


**Note:** Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information  
 Data as of 29 January 2015.

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 49		Week 50		Week 51		Week 52		Week 53		Week 1		Week 2		Week 3	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD								
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ERMC	2	4	2	3	4	7	13	8	3	4	15	27	38	35	27	69
PRMC	0	1	1	1	1	3	0	5	3	7	9	17	21	38	21	37
CENTCOM	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0