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# U.S. Army Influenza Activity Report

Week Ending 1 April 2016 (Week 13)

## 2015-2016 Seasonal Influenza Vaccination Coverage

As of 25 February 2016

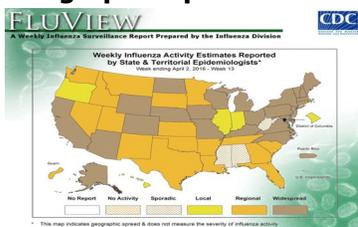
95%	DOD
97%	Army Active Duty
93%	Army Guard
84%	Army Reserve

\*Source: DHA

**SYNOPSIS:** Influenza activity and the number of respiratory specimens tested are continuing to decline among Army and civilian populations.

- **ILI Activity:** Army incident ILI outpatient visits in week 13 decreased from week 12. ILI visits were 4% higher than the same week last year.
- **Influenza cases:** Three hospitalized influenza cases were reported to APHC (Prov) through DRSi in week 13; all non-AD beneficiaries. None of the cases were vaccinated and all had underlying conditions.
- **Viral specimens:** During week 13, 351 of 1274 (28%) laboratory specimens tested positive for respiratory pathogens. RHC-A reported 99 influenza A-positive specimens, RHC-C reported 45, RHC-P reported 32, RHC-E reported 25, and CENTCOM reported 1.

## Geographic Spread

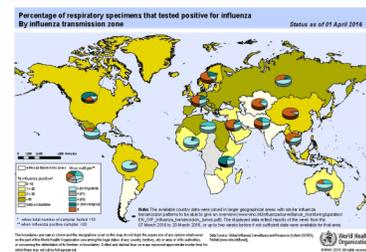


## United States

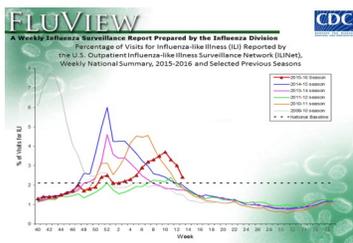
- In week 13, widespread and regional influenza activity was reported in Puerto Rico, Guam and 43 states. The District of Columbia and four states reported local influenza activity, while sporadic activity was reported in three states. The US Virgin Islands did not report.

## World Health Organization

- In North America, influenza activity has peaked and remained elevated with influenza A(H1N1)pdm09 virus predominating. Canada reported increased detections of influenza B virus.

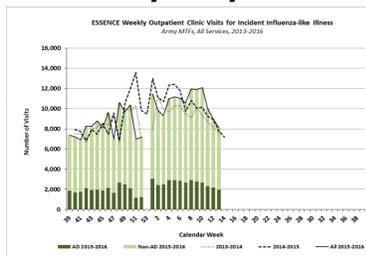


## ILI Activity United States



- Nationwide, during week 13, 2.4% of outpatient visits reported in ILINet were due to ILI, which is above the national baseline of 2.1%.
- The percentage of ILI outpatient visits ranged from 1.3% to 3.5% across all reporting regions.

## ILI Activity Army



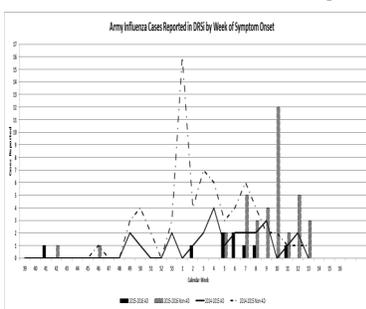
- During week 13, incident ILI activity was 4% higher than the same time last year and 6% higher than week 13 in 2013-2014.
- AD SMs accounted for 24% of incident ILI clinic visits during week 13. In 2014-2015, AD SMs comprised 25% of ILI clinic visits on average.

## Laboratory Respiratory Specimen Testing

Test Result	Week 10	Week 11	Week 12	Week 13	Season Total
Influenza A	426	323	282	202	2448
Influenza B	115	113	117	89	847
Adenovirus	13	20	11	9	258
Enterovirus	0	0	0	0	21
Parainfluenza	3	6	6	5	226
RSV	84	68	29	46	1803
Negative	1430	1134	1037	923	19201
<b>Total Results</b>	<b>2071</b>	<b>1664</b>	<b>1482</b>	<b>1274</b>	<b>24804</b>

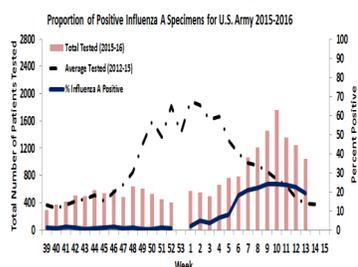
- In week 13, 28% (351) of specimens tested positive.
- Influenza A accounted for 58% of positive specimens.
- Influenza B accounted for 25% of positive specimens.
- RSV accounted for 13% of positive specimens while adenovirus accounted for 3%, and parainfluenza for 1%.

## DRSi Influenza Case Reporting

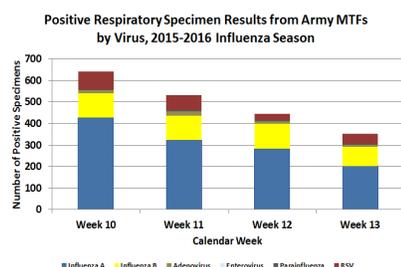


- In week 13, three cases of influenza-associated hospitalizations were reported in DRSi; all non-AD beneficiaries. All of the cases were unvaccinated and had underlying conditions.
- A total of 47 hospitalized cases have been reported to date this season, compared to 94 last season.

## Laboratory Testing for Influenza A



- In week 13, 202 of 1047 (19.3%) specimens tested positive for influenza A. This was a decrease from week 12 (22.6%). 156 (77%) of the positive influenza A specimens were in non-AD personnel.
- RHC-A reported 99 (49%) of the total influenza A-positive specimens. RHC-C reported 45 (22%) positive specimens, RHC-P reported 32 (16%), RHC-E reported 25 (12%), and CENTCOM reported 1 positive specimen (<1%).



**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

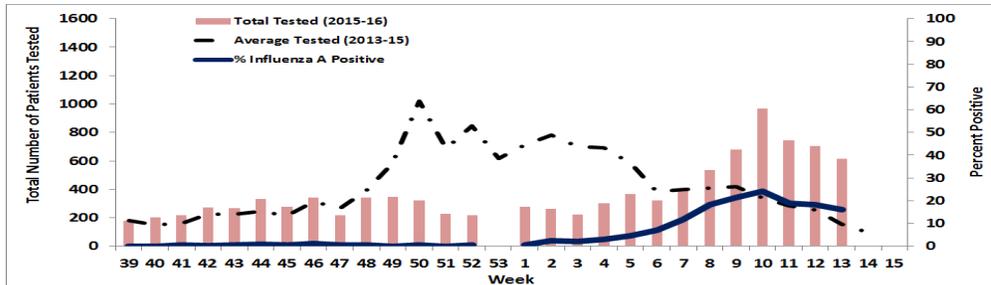
**Questions?**  
 Email APHC-DEP  
 410-417-3774



# U.S. Army Influenza Activity Report

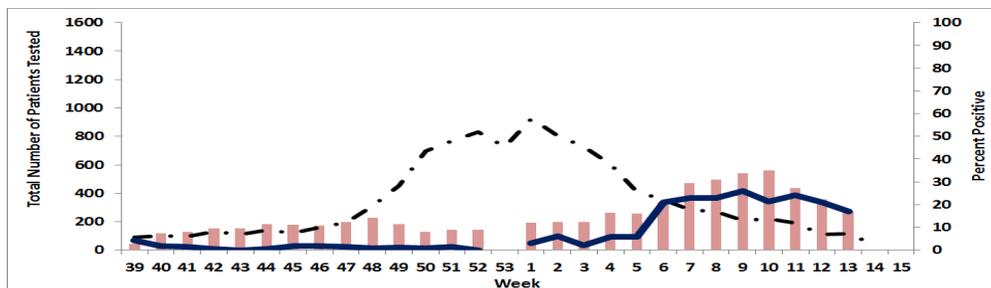
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2015-2016 as Compared to 2013-2015

## Regional Health Command - Atlantic (RHC-A)



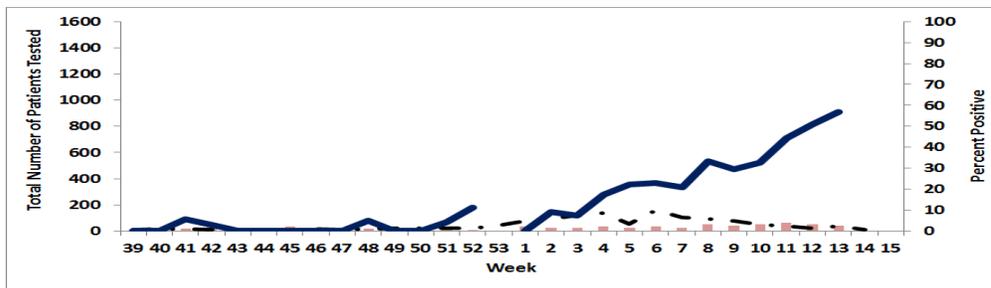
Week 13			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	52	518
18-29	4	5	108
30-39	2	6	116
40-49	3	7	103
50-59	1	12	75
60+	1	6	51
<b>Total</b>	<b>11</b>	<b>88</b>	<b>971</b>

## Regional Health Command - Central (RHC-C)



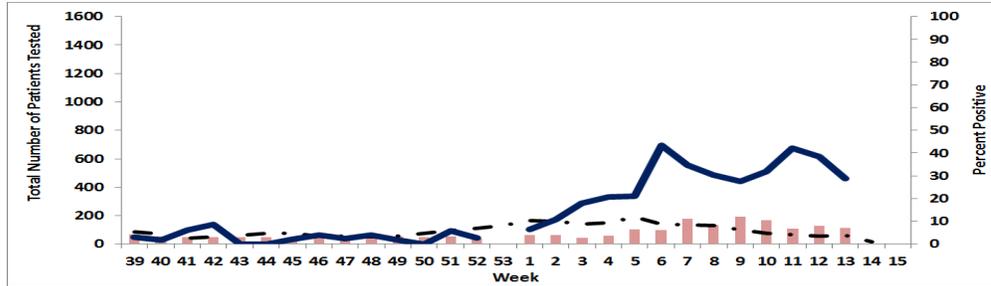
Week 13			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	22	432
18-29	5	1	122
30-39	5	3	118
40-49	2	3	75
50-59	0	3	59
60+	0	1	48
<b>Total</b>	<b>12</b>	<b>33</b>	<b>854</b>

## Regional Health Command - Europe (RHC-E)



Week 13			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	9	54
18-29	4	0	33
30-39	6	1	49
40-49	3	1	20
50-59	0	0	4
60+	0	1	3
<b>Total</b>	<b>13</b>	<b>12</b>	<b>163</b>

## Regional Health Command - Pacific (RHC-P)



Week 13			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	11	217
18-29	3	3	60
30-39	5	3	65
40-49	2	0	41
50-59	0	2	30
60+	0	3	38
<b>Total</b>	<b>10</b>	<b>22</b>	<b>451</b>

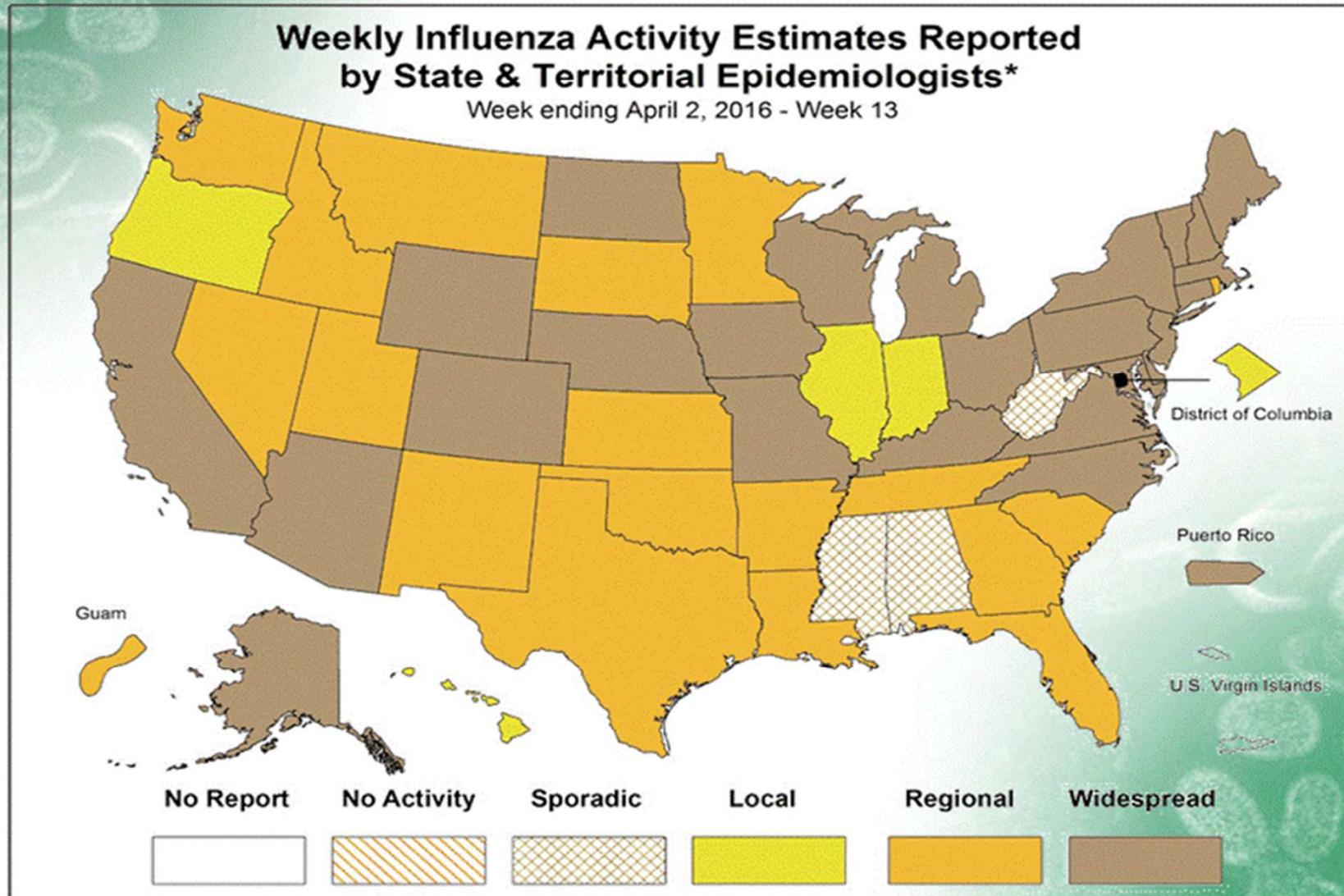
Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 6		Week 7		Week 8		Week 9		Week 10		Week 11		Week 12		Week 13	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
RHC-A	6	17	5	41	14	83	24	121	35	199	20	120	19	110	11	88
RHC-C	17	53	14	94	21	92	18	123	23	97	14	91	10	66	12	33
RHC-E	4	4	1	4	5	12	7	6	10	8	11	17	21	7	13	12
RHC-P	8	34	10	52	9	31	14	39	10	44	5	40	5	44	10	22
CENTCOM	0	0	0	1	0	0	0	0	0	0	2	3	0	0	0	1

**Locations providing week 13 laboratory data as of 5 April 2016:** 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, West Point, and Walter Reed.

# FLUVIEW

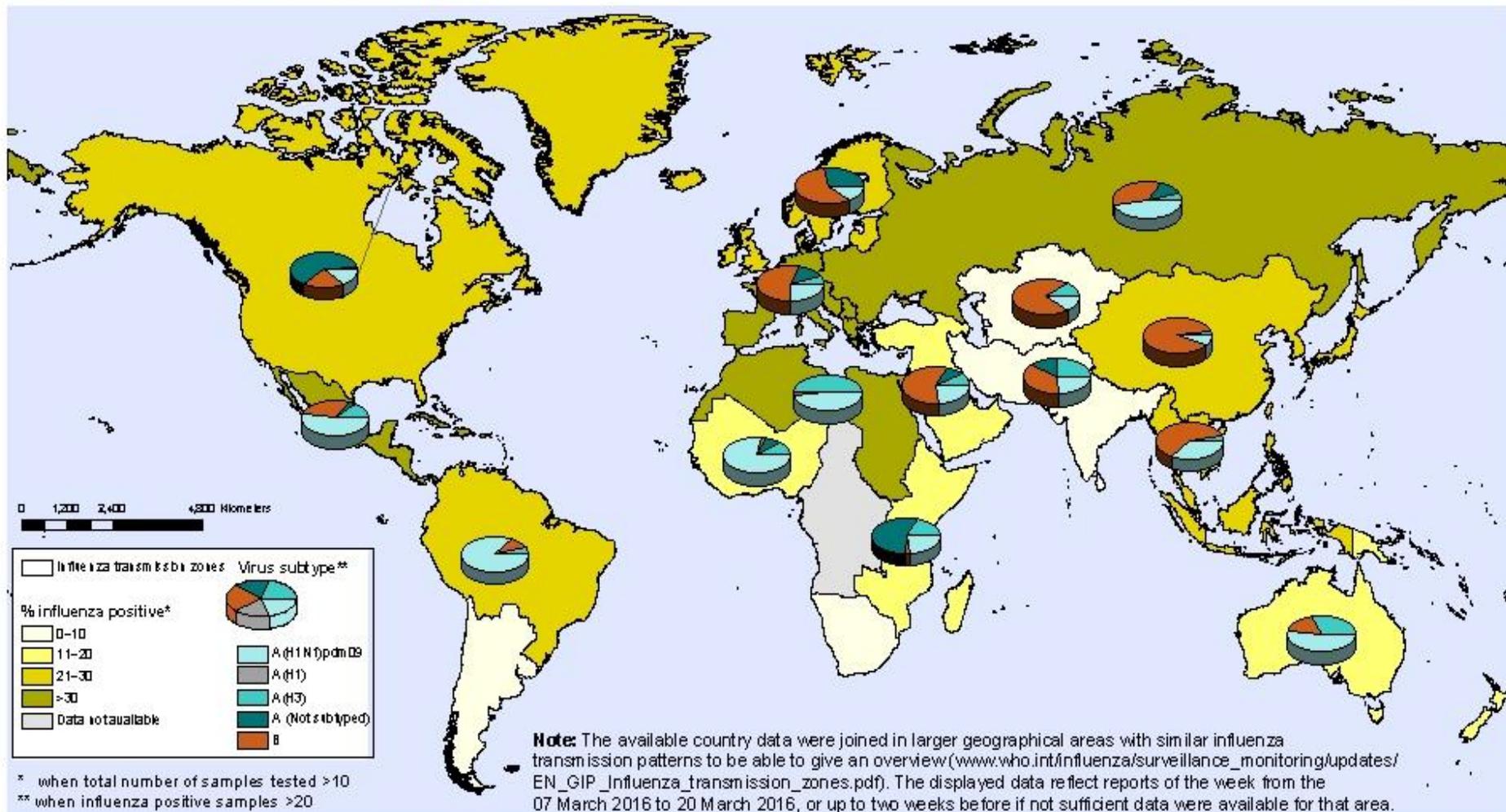
A Weekly Influenza Surveillance Report Prepared by the Influenza Division



\* 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 01 April 2016



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)).



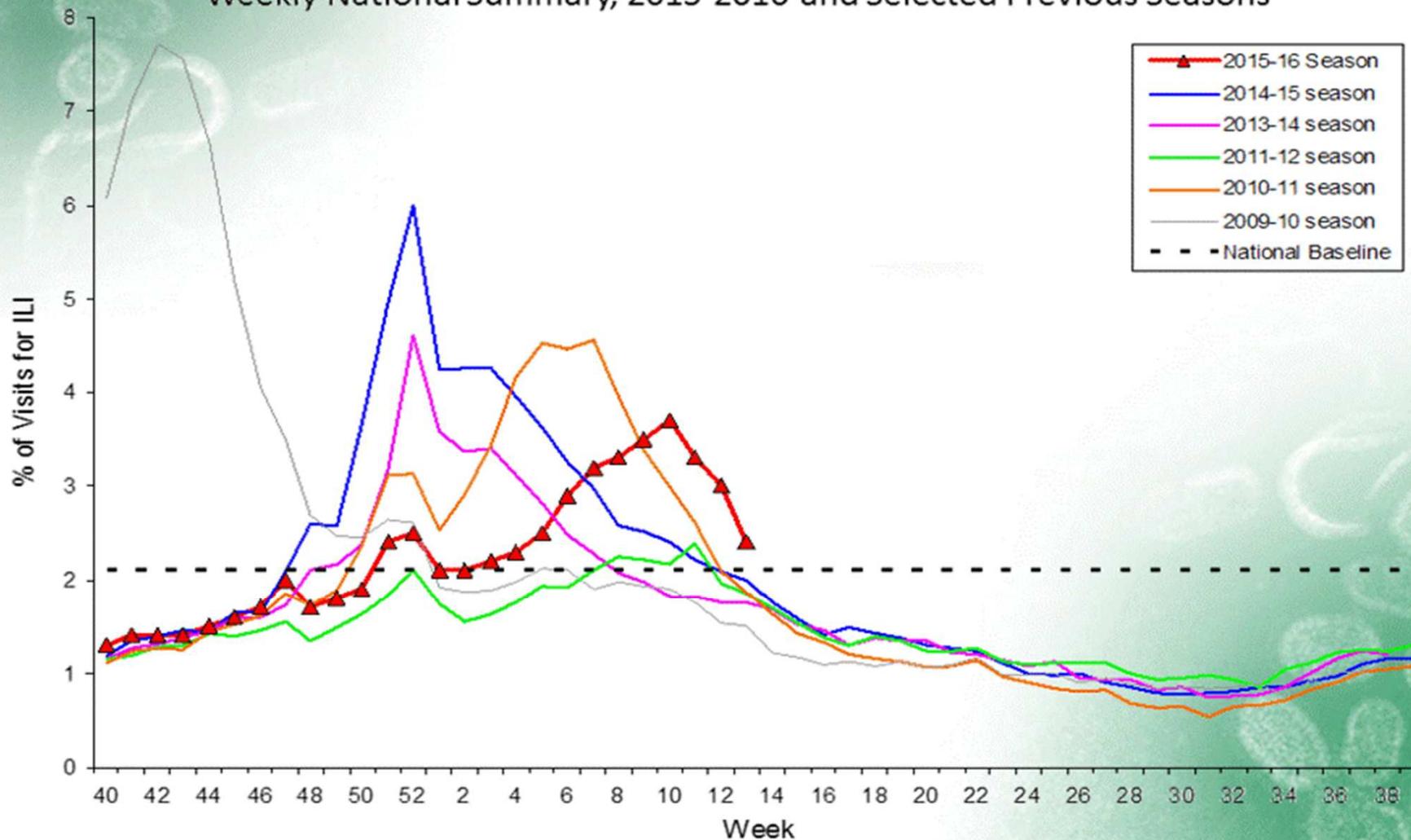
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# FLUVIEW

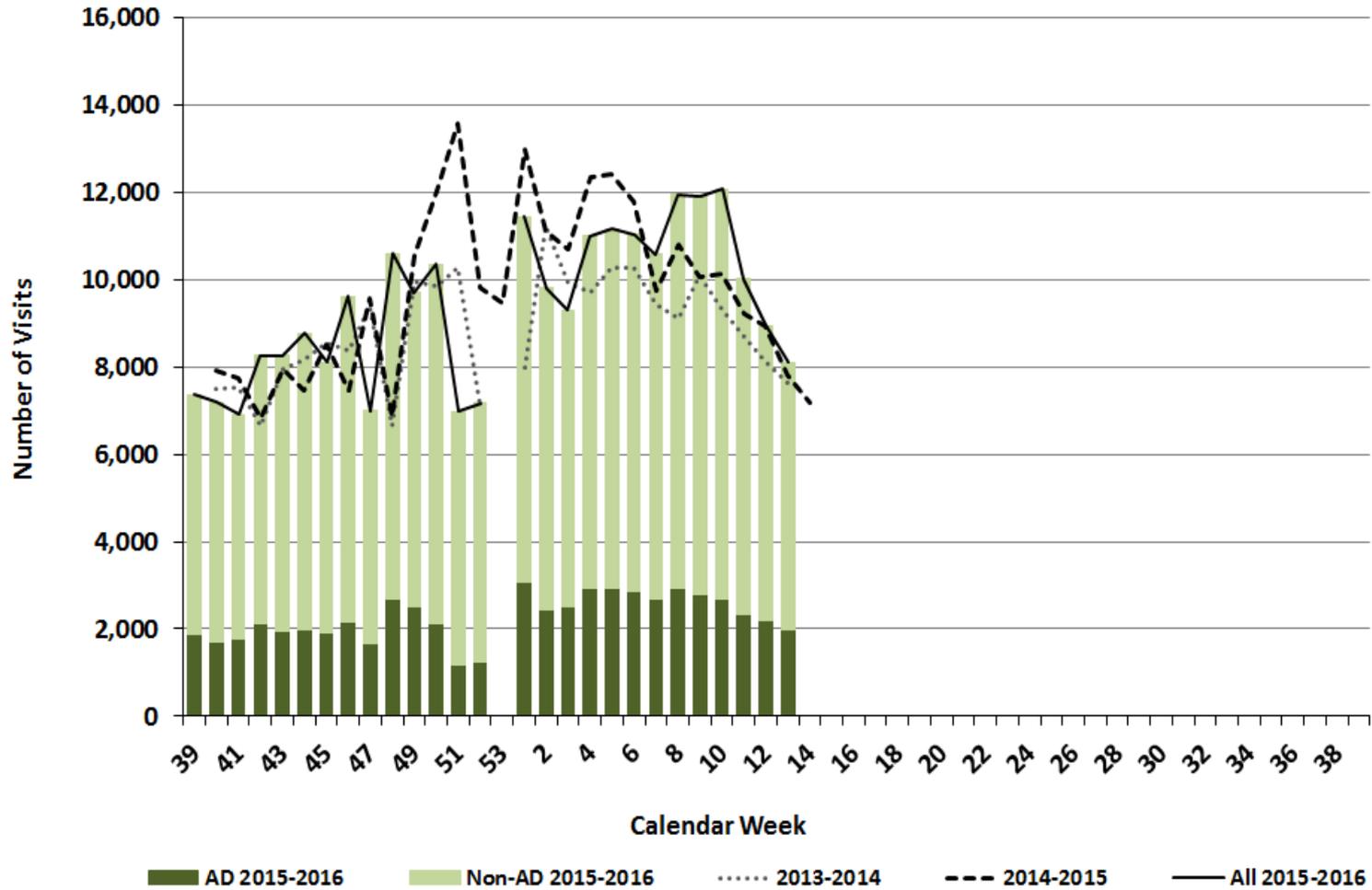


## A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2015-2016 and Selected Previous Seasons



**ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness**  
*Army MTFs, All Services, 2013-2016*

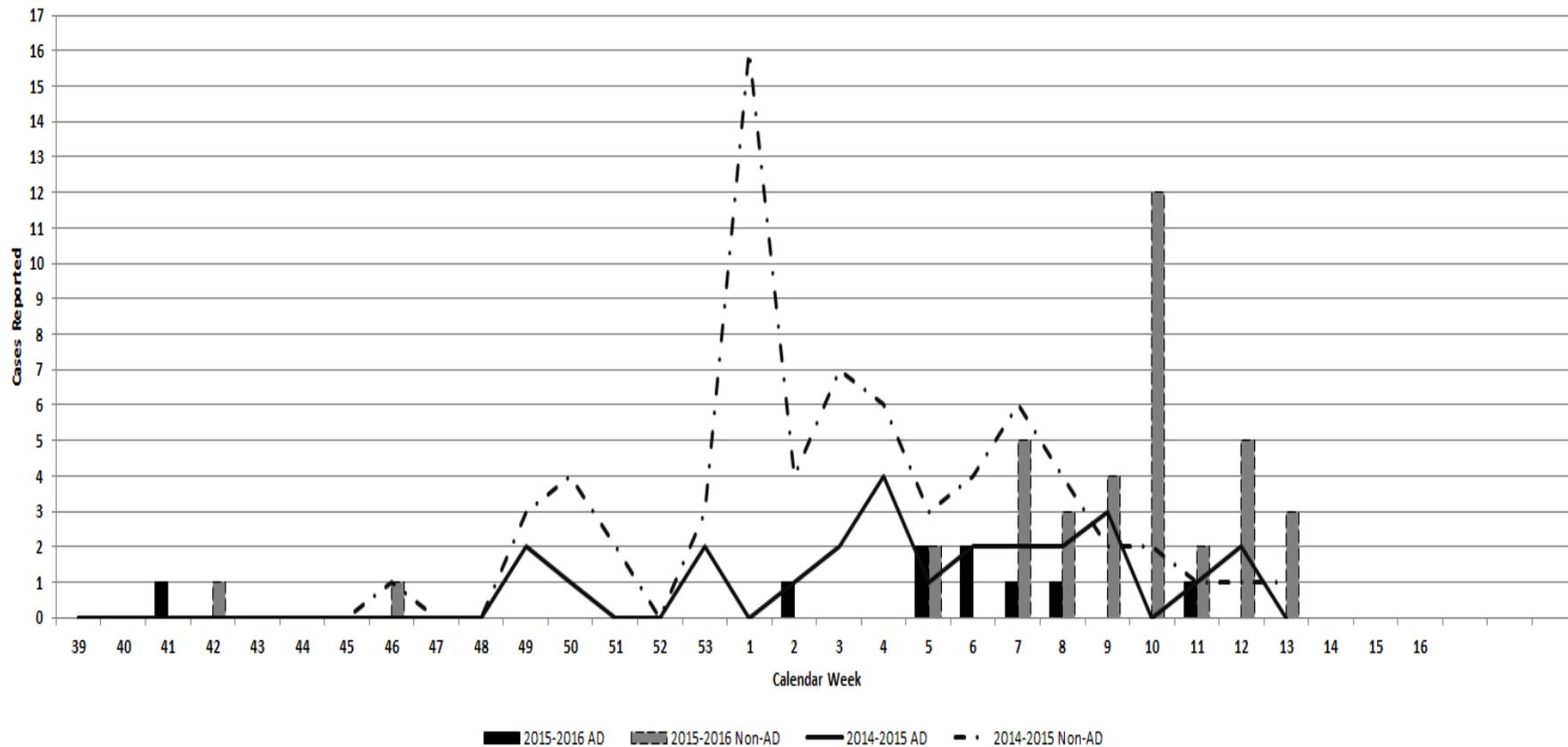


*Clinic visits for ILI are obtained from ESSENCE. Data as of 7 April 2016.*

### Army MTF Laboratory Results, 2015-16

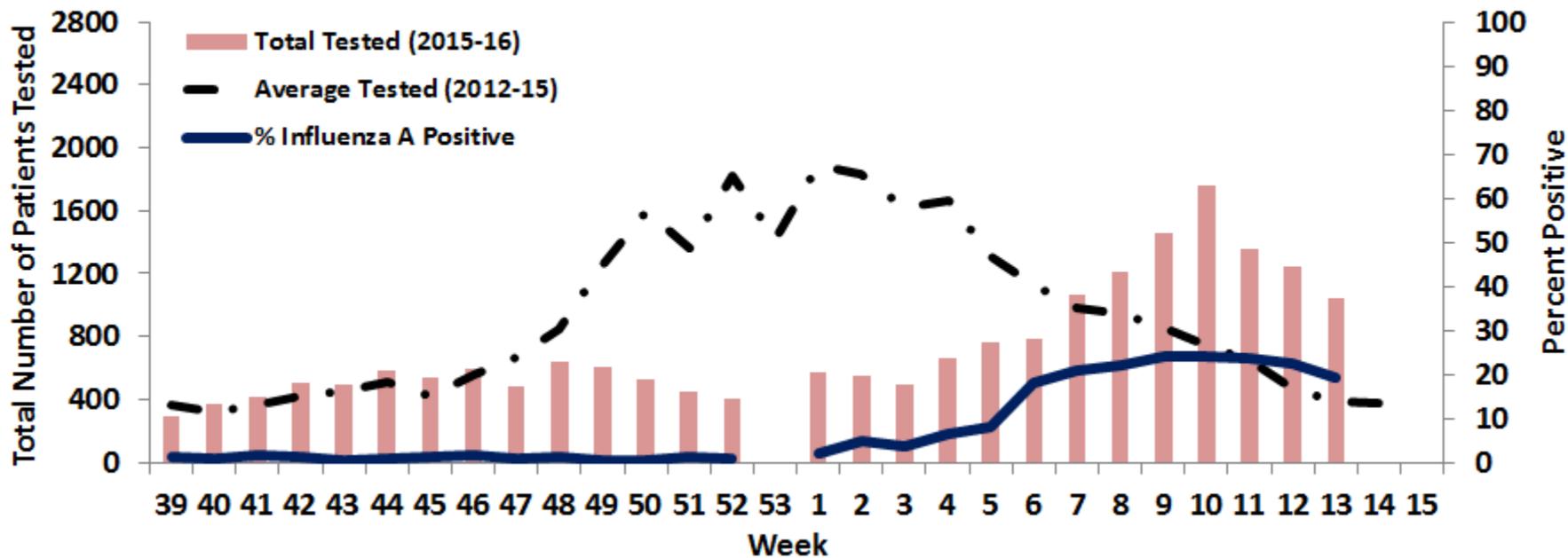
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<i>Negative</i>	<i>1430</i>	<i>1134</i>	<i>1037</i>	<i>923</i>	<b>19201</b>
<b>Total Results</b>	<b>2071</b>	<b>1664</b>	<b>1482</b>	<b>1274</b>	<b>24804</b>

Army Influenza Cases Reported in DRSi by Week of Symptom Onset

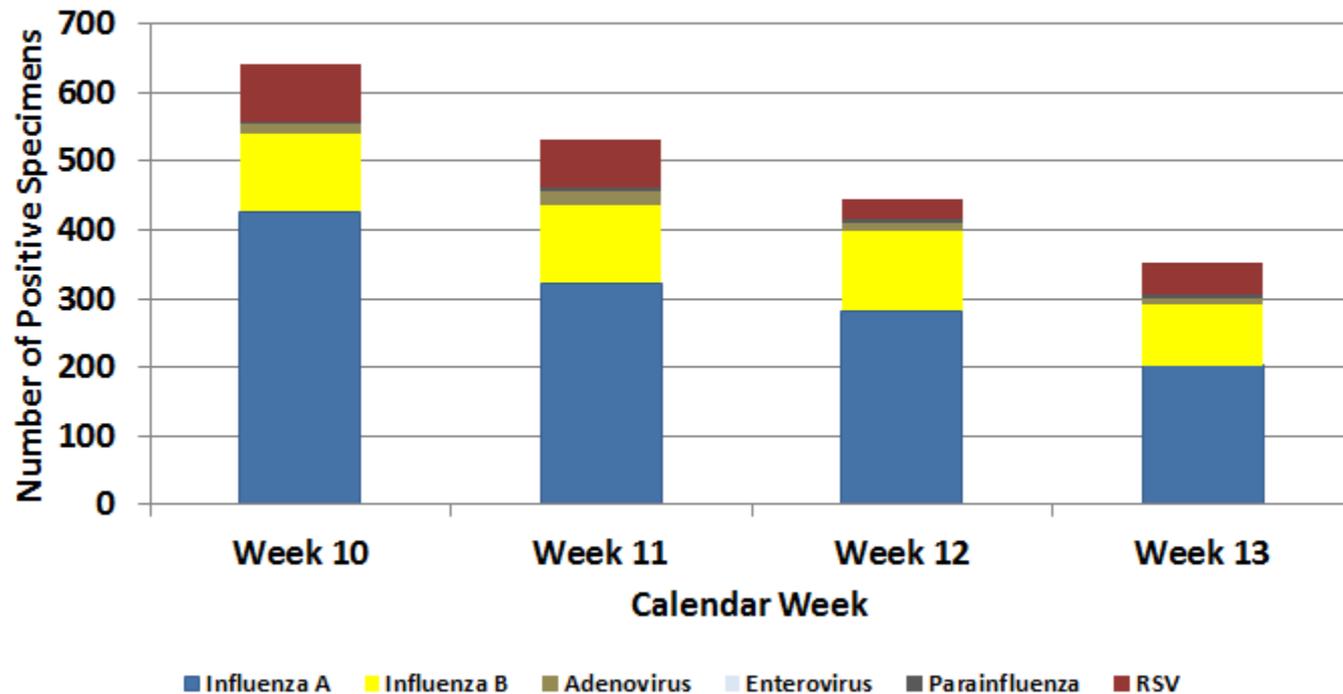


**Note:** Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information  
 Data as of 7 April 2016.

Proportion of Positive Influenza A Specimens for U.S. Army 2015-2016



## Positive Respiratory Specimen Results from Army MTFs by Virus, 2015-2016 Influenza Season



Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 6		Week 7		Week 8		Week 9		Week 10		Week 11		Week 12		Week 13	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
RHC-A	6	17	5	41	14	83	24	121	35	199	20	120	19	110	11	88
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RHC-P	8	34	10	52	9	31	14	39	10	44	5	40	5	44	10	22
CENTCOM	0	0	0	1	0	0	0	0	0	0	2	3	0	0	0	1