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U.S. Army Influenza Activity Report

Week Ending 4 January 2014 (Week 1)

2013-2014 Seasonal Influenza Vaccination Coverage

As of 8 JAN 2014

91%	DOD
96%	Army Active Duty
87%	Army Guard
75%	Army Reserve

SYNOPSIS: Over the past few weeks, influenza activity increased in Army MTFs. Dependent populations were most affected, although the number of Active Duty (AD) cases increased from previous weeks. 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 one were 35% lower than for the same week last year.
- **Influenza cases:** Nine hospitalized influenza cases were reported to USAPHC in week one. To date, 32 cases have been reported during this influenza season: six in AD SMs and 26 in non-AD beneficiaries.
- **Viral specimens:** During week one, 357 of 1,292 (28%) laboratory specimens tested positive for respiratory pathogens. Most of the influenza positive specimens were from SRMC (50%), although WRMC and NRMC accounted for larger proportions of positive Influenza A tests, 27% and 20% respectively.

Geographic Spread

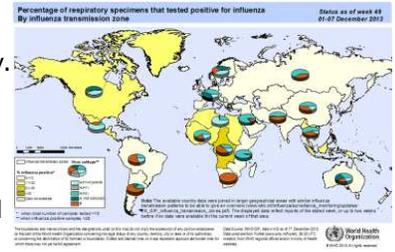


United States

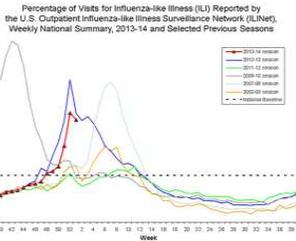
- In week one, 47 states and Guam reported widespread or regional activity, while Puerto Rico and DC reported only focal influenza activity. Note, Hawaii reported sporadic activity and The US Virgin Islands did not report.

CDC Health Advisory

- On 24 December, CDC released a health alert regarding a severe respiratory illness among middle aged and young adults primarily infected with influenza A (pH1N1) virus.

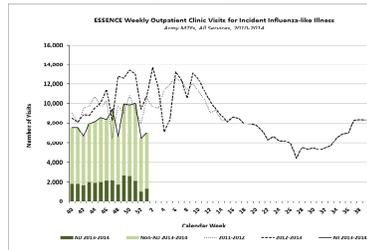


ILI Activity United States



- In 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 1.5 to 8.7% across regions.

ILI Activity Army



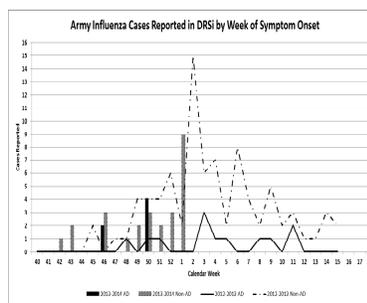
- During week one, incident ILI activity was 35% lower than the same time last year and 7% higher than the 2011-2012 season.
- AD Service Members (SMs) accounted for 18% of incident ILI clinic visits during week one; in 2012-2013, AD SMs comprised 26% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Test Result	Week 50	Week 51	Week 52	Week 1	Season Total
Influenza A	163	332	418	282	1575
Influenza B	4	8	4	5	40
Adenovirus	11	10	11	7	109
Enterovirus	1	0	1	3	7
Parainfluenza	10	10	6	5	182
RSV	53	61	78	55	562
Negative	655	905	983	935	8206
Total Results	897	1326	1501	1292	5016

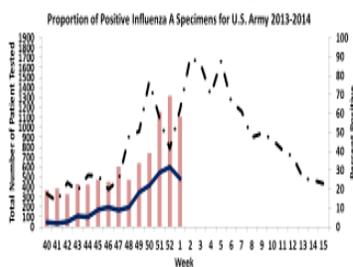
- In week one, 28% (357) of respiratory specimens were positive.
- Influenza A accounted for 79% of positive specimens. RSV accounted for 15% of positive specimens, adenovirus for 2%, and parainfluenza for 1%.
- Influenza B accounted for 1% of positive specimens.

DRSi Influenza Case Reporting

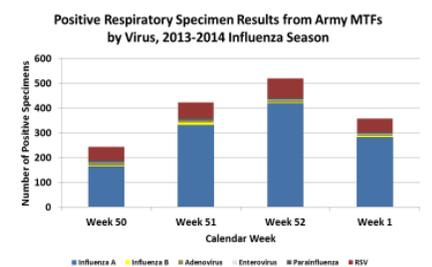


- In week one, nine cases of influenza-associated hospitalizations were reported in DRSi, all in non-AD beneficiaries.
- Thirty-two hospitalized influenza cases have been reported since the beginning of this influenza season.
- At the same time last influenza season, 27 hospitalized influenza cases were reported.

Laboratory Testing for Influenza A



- The proportion of positive influenza A tests in week one (25.5%) increased from week 50 (21.9%), which followed seasonal trends.
- In week one, 248 of the 282 (88%) positive influenza A specimens were from non-AD personnel.
- In week one, SRMC reported 142 (50%) of their 282 specimens as positive. WRMC reported 76 (27%) positive influenza A specimens, and NRMC reported 57 (20%). PRMC reported six cases (2%) and ERMC reported one case (1%).
- CENTCOM reported zero positive influenza A specimens.



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

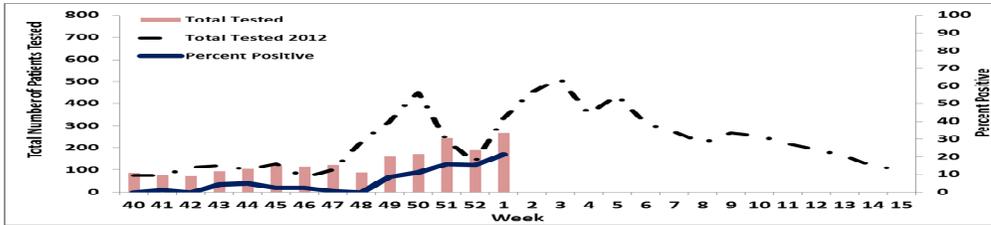
Questions?

Email USAPHC-DEP
410-417-3774

U.S. Army Influenza Activity Report

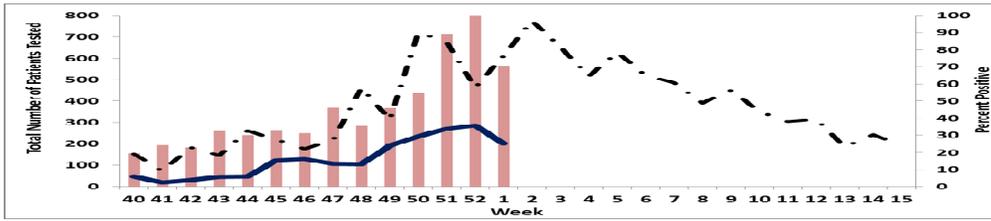
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2013-2014 as Compared to 2012-2013

Northern Regional Medical Command (NRMC)



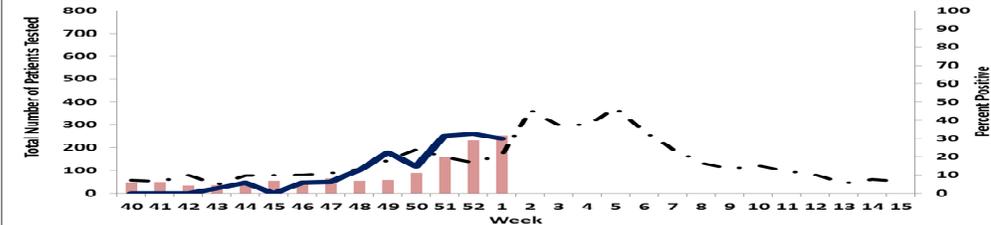
Week 1			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	30	91
18-29	2	7	20
30-39	2	4	22
40-49	1	2	17
50-59	1	2	11
60+	0	6	13
Total	6	51	174

Southern Regional Medical Command (SRMC)



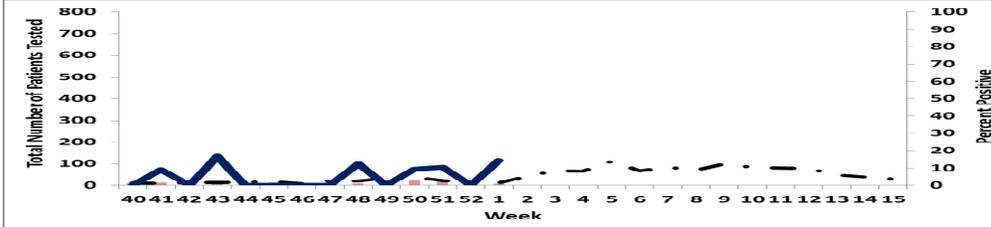
Week 1			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	51	531
18-29	7	20	175
30-39	7	16	133
40-49	3	9	99
50-59	2	15	105
60+	0	12	83
Total	19	123	1126

Western Regional Medical Command (WRMC)



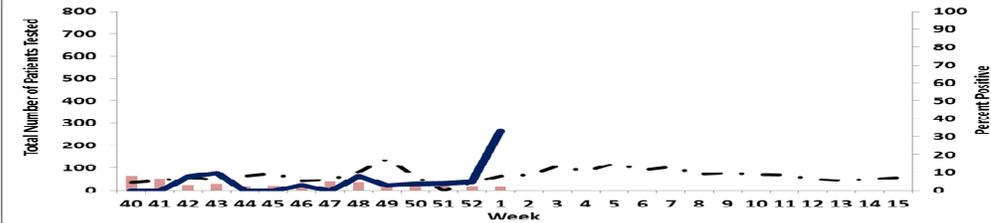
Week 1			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	31	115
18-29	2	15	54
30-39	5	3	23
40-49	1	9	23
50-59	0	6	20
60+	0	4	11
Total	8	68	246

Europe Regional Medical Command (ERMC)



Week 1			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	2
18-29	0	0	0
30-39	0	0	4
40-49	0	0	2
50-59	0	0	0
60+	0	0	0
Total	0	1	8

Pacific Regional Medical Command (PRMC)



Week 1			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	8
18-29	0	1	3
30-39	0	1	2
40-49	1	0	1
50-59	0	1	2
60+	0	1	3
Total	1	5	19

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 1	
	AD	Non-AD	AD	Non-AD												
NRMC	2	1	0	1	0	0	3	11	3	16	3	35	2	67	6	51
SRMC	5	35	3	46	2	35	9	79	18	110	26	215	34	277	19	123
WRMC	1	2	0	4	1	6	1	12	2	11	3	47	8	68	8	68
ERMC	0	0	0	0	0	1	0	0	2	0	1	1	0	0	0	1
PRMC	0	1	0	0	0	3	0	1	0	1	0	1	0	1	1	5
CENTCOM	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0

Locations providing week 50 laboratory data as of 4 January 2014: Korea, Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Irwin, Ft Jackson, 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 04, 2014- Week 1



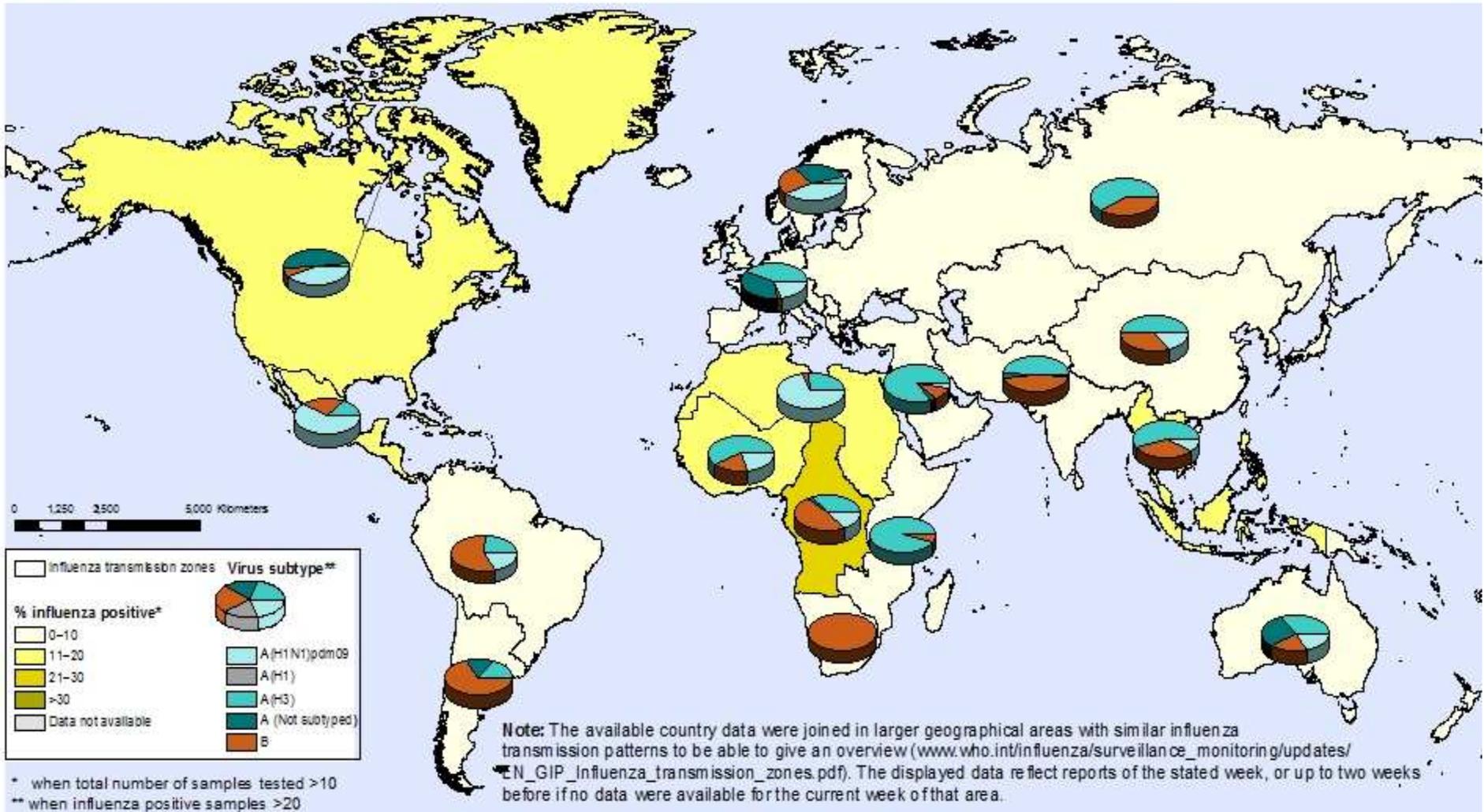
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*This map indicates geographic spread and does not measure the severity of influenza activity.

Percentage of respiratory specimens that tested positive for influenza By influenza transmission zone

Status as of week 49
01-07 December 2013



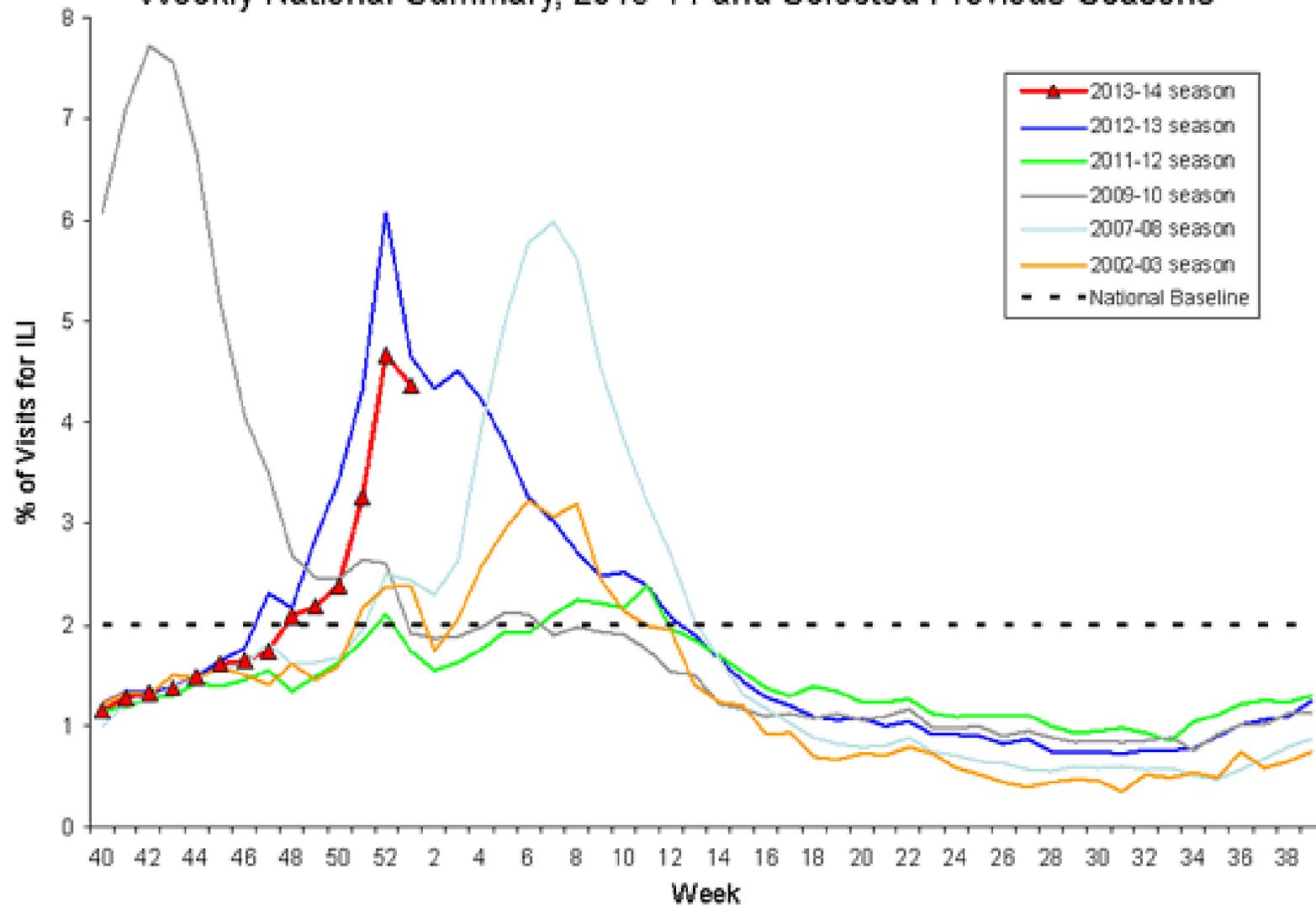
The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers 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 17 December 2013.
Data used are from FluNet (www.who.int/flu-net), 08:30 UTC snapshot, from WHO regional offices and/or ministry of health websites.



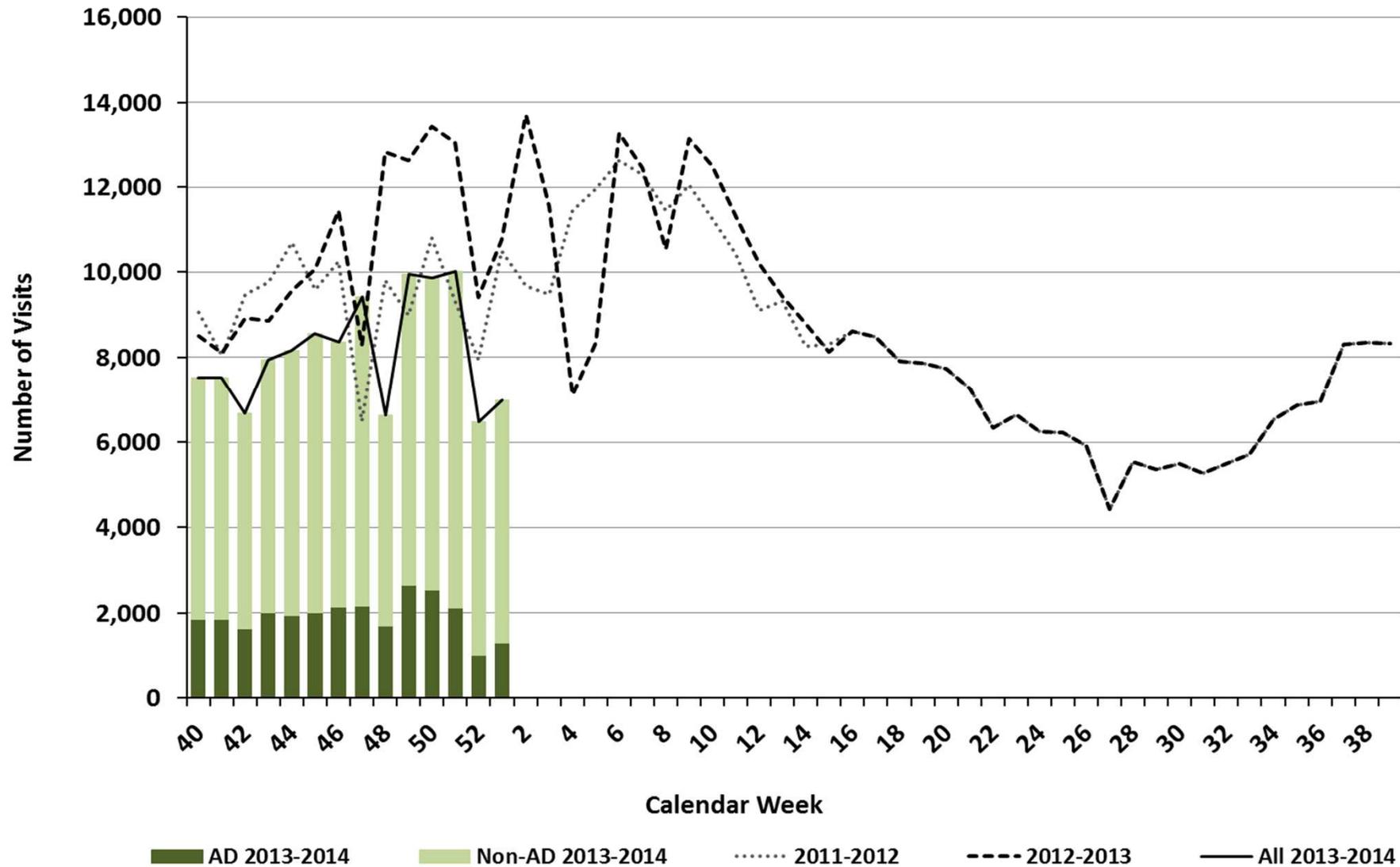
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Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2013-14 and Selected Previous Seasons



ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

Army MTFs, All Services, 2010-2014



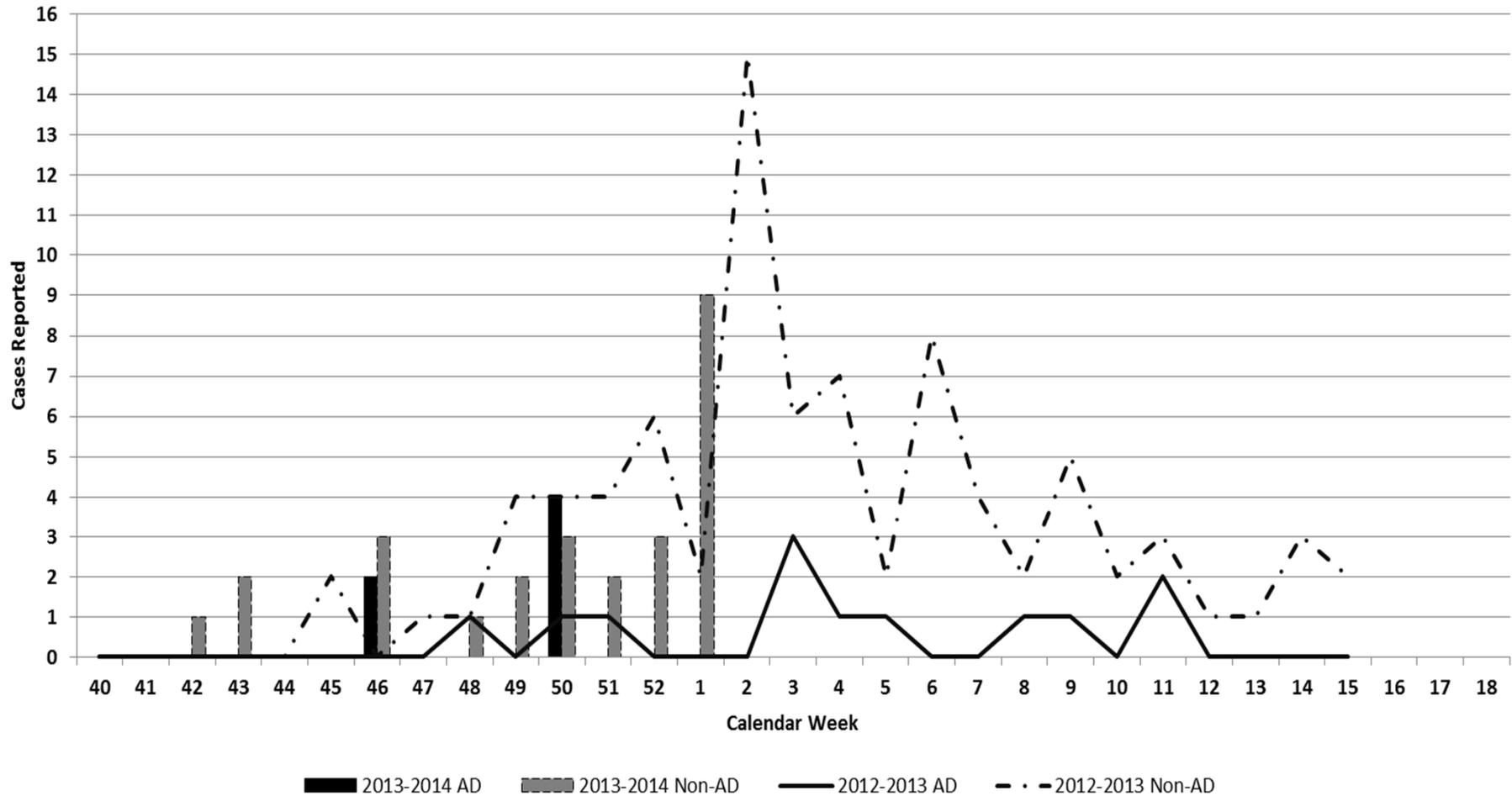
Clinic visits for ILI are obtained from ESSENCE. Data as of 9 January 2013.

Army MTF Laboratory Results, 2013-14

Test Result	Week 50	Week 51	Week 52	Week 1	Season Total
Influenza A	163	332	418	282	1575
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Adenovirus	11	10	11	7	109
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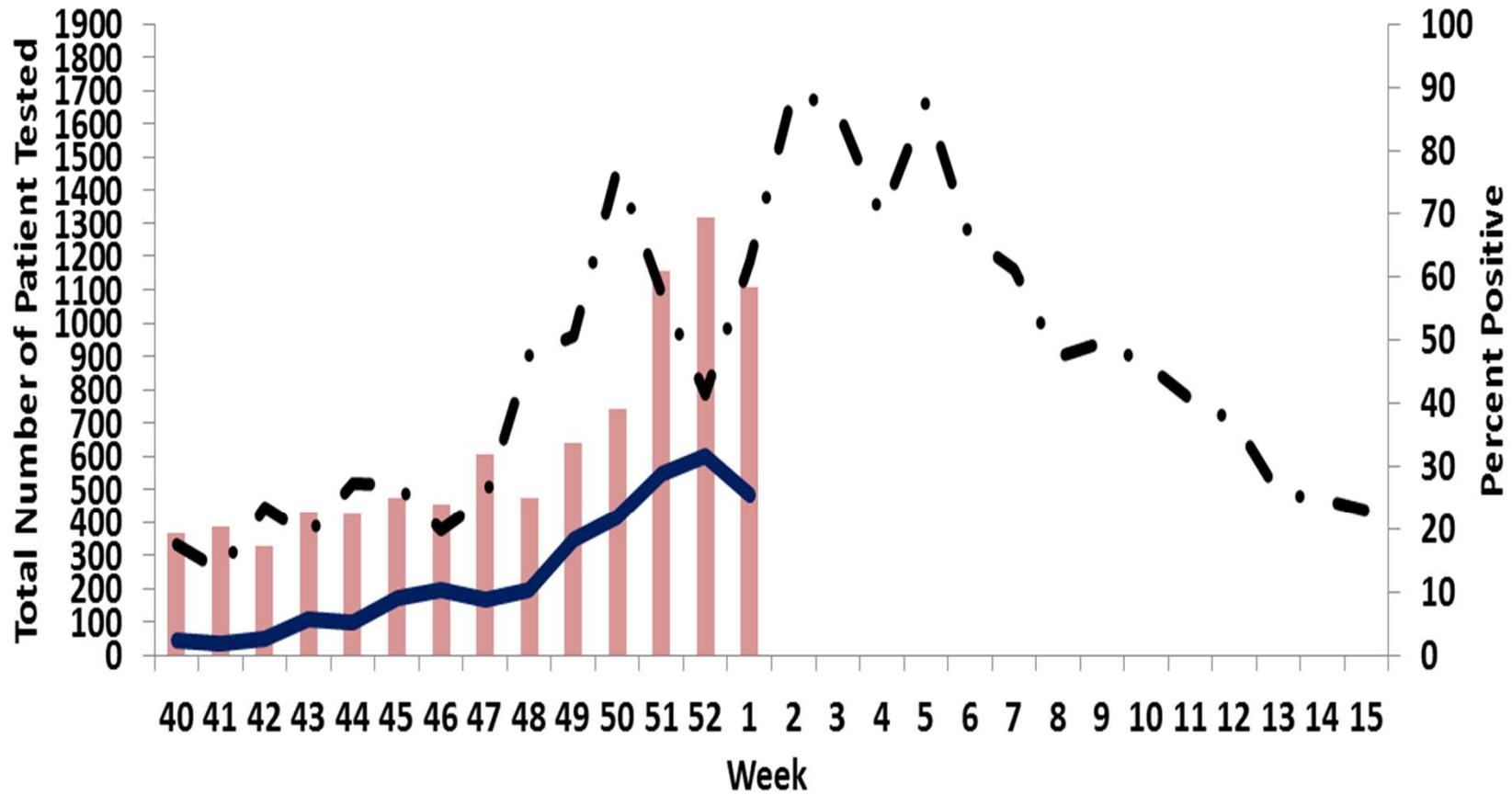


Army Influenza Cases Reported in DRSi by Week of Symptom Onset

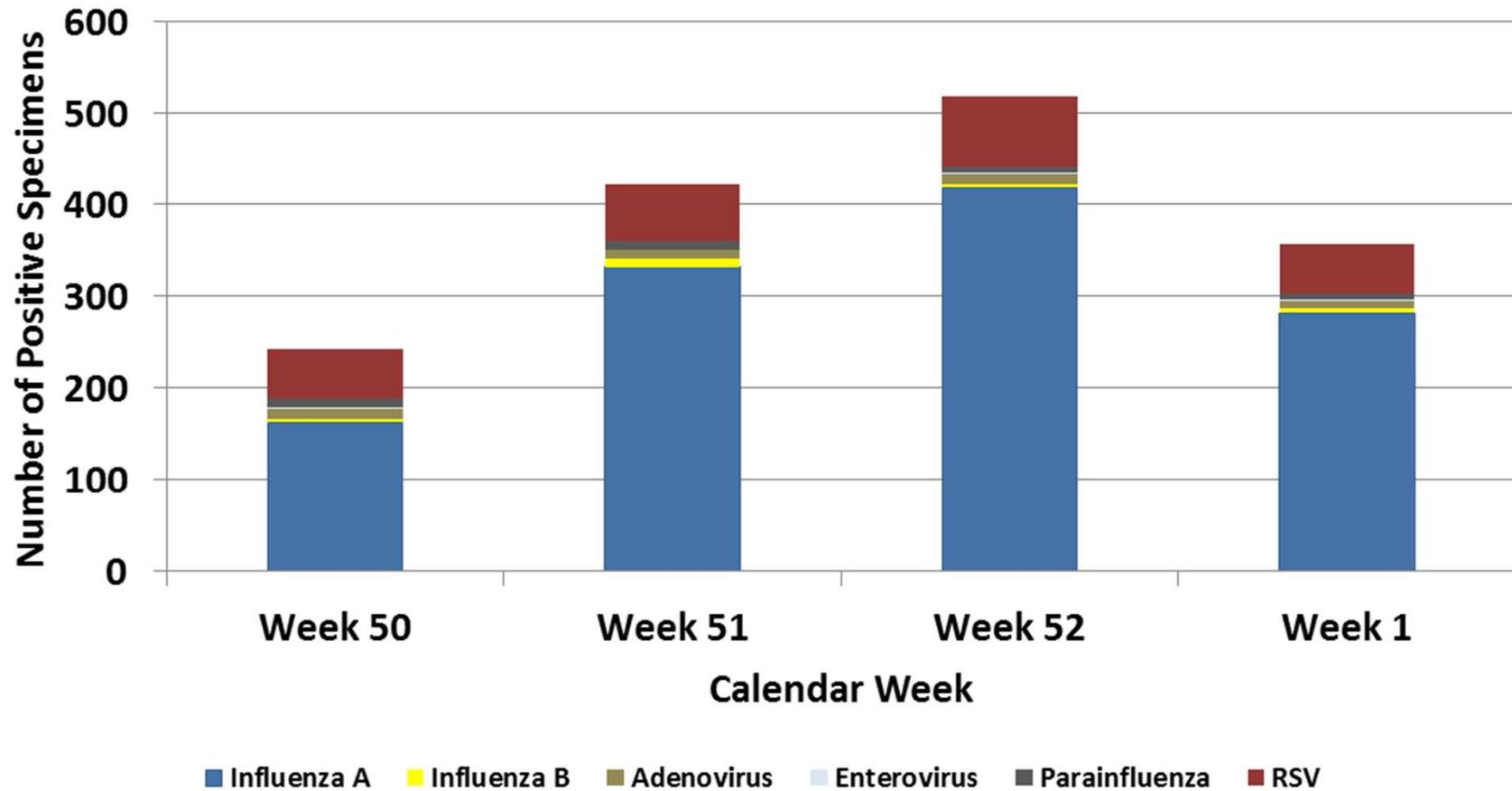


Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information
Data as of 9 January 2014.

Proportion of Positive Influenza A Specimens for U.S. Army 2013-2014



Positive Respiratory Specimen Results from Army MTFs by Virus, 2013-2014 Influenza Season



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 1	
	AD	Non-AD	AD	Non-AD												
NRMC	2	1	0	1	0	0	3	11	3	16	3	35	2	67	6	51
SRMC	5	35	3	46	2	35	9	79	18	110	26	215	34	277	19	123
WRMC	1	2	0	4	1	6	1	12	2	11	3	47	8	68	8	68
ERMC	0	0	0	0	0	1	0	0	2	0	1	1	0	0	0	1
PRMC	0	1	0	0	0	3	0	1	0	1	0	1	0	1	1	5
CENTCOM	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0