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U.S. Army Influenza Activity Report

Week Ending 22 February 2014 (Week 8)

2013-2014 Seasonal Influenza Vaccination Coverage

As of 19 FEB 2014

94%	DOD
97%	Army Active Duty
92%	Army Guard
84%	Army Reserve

SYNOPSIS: The number of specimens testing positive for Influenza A continued to decline in week eight. All regions, except ERMC and PRMC, have shown declining trends from peaks earlier in the influenza season.

- **ILI Activity:** Army incident ILI outpatient visits in week eight were unavailable due to ESSENCE system outage.
- **Influenza cases:** Five hospitalized influenza cases have been reported to USAPHC through DRSi in week eight. To date, 91 cases have been reported during this influenza season: twenty-one in Active Duty (AD) Service Members (SMs) and 70 in non-AD beneficiaries.
- **Viral specimens:** During week eight, 339 of 1,190 (28%) laboratory specimens tested positive for respiratory pathogens. The most influenza A positive specimens were reported from CENTCOM (35%), while PRMC and SRMC accounted for 20% and 17%, respectively.

Geographic Spread

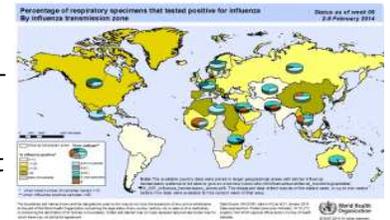


United States

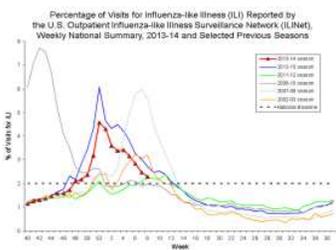
- In week eight, 32 states reported widespread and regional influenza activity. The District of Columbia, Guam and fourteen states reported local activity, while Puerto Rico and four states reported sporadic activity. The US Virgin Islands reported no influenza activity.

World Health Organization

- In Europe, overall influenza activity remained elevated. Trends suggest the wave of influenza activity is moving from south to north overall, with both influenza A viruses predominating.

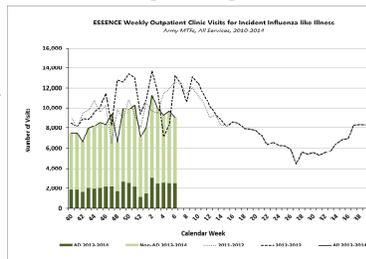


ILI Activity United States



- Nationwide during week eight, 2.3% 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 1.4% to 3.7% across regions.

ILI Activity Army



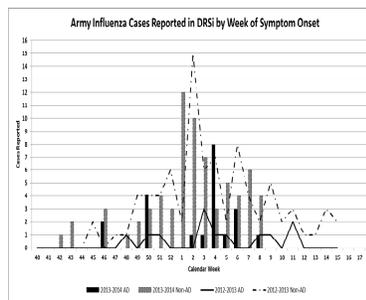
- Army incident ILI outpatient visits in week eight were unavailable due to ESSENCE system outage.
- The graph to the left represents outpatient clinic visits through week six.

Laboratory Respiratory Specimen Testing

Test Result	Week 5	Week 6	Week 7	Week 8	Season Total
Influenza A	350	233	202	241	3884
Influenza B	9	7	13	12	97
Adenovirus	18	22	14	17	213
Enterovirus	2	0	2	3	20
Parainfluenza	9	13	6	4	246
RSV	92	60	93	62	1088
Negative	1169	962	904	851	15525
Total Results	1649	1297	1234	1190	21073

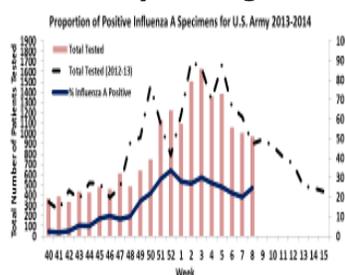
- In week eight, 339 (28%) of respiratory specimens were positive.
- Influenza A accounted for 71% of positive specimens.
- RSV accounted for 18% of positive specimens, adenovirus for 5%, and parainfluenza for 1%.
- Influenza B accounted for 4% of positive specimens.

DRSi Influenza Case Reporting



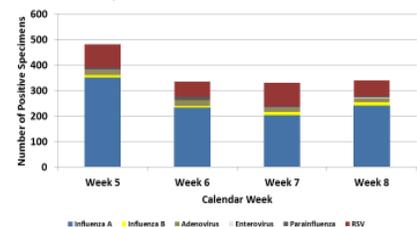
- In week eight, five cases of influenza-associated hospitalizations were reported in DRSi, four of which were in non-AD beneficiaries.
- Ninety-one hospitalized influenza cases have been reported since the beginning of this influenza season.
- At the same time last influenza season, 77 hospitalized influenza cases were reported.

Laboratory Testing for Influenza A



- In week eight, 25% of influenza A specimens tested positive. This was an increase from week seven (20%).
- In week eight, 178 of the 241 (74%) positive influenza A specimens were reported in non-AD personnel.
- PRMC reported 47 (20%) of the total influenza cases. SRMC reported 42 (17%) positive influenza A specimens, and ERMC reported 26 (11%). NRMC reported 24 cases (10%) and WRMC reported 18 cases (7%). CENTCOM reported 84 (35%) positive specimens, 68 of which were in non-AD personnel.

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

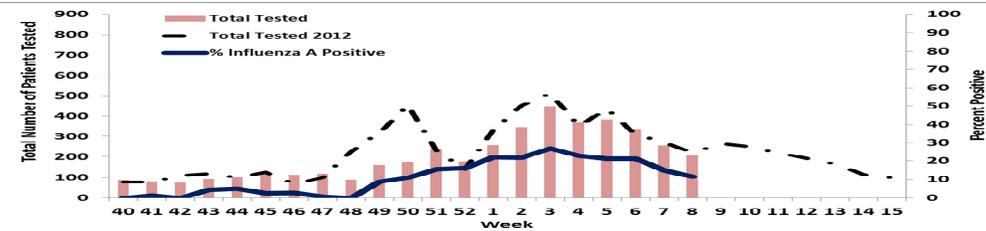
Questions?

Email USAPHC-DEP
410-417-3774

U.S. Army Influenza Activity Report

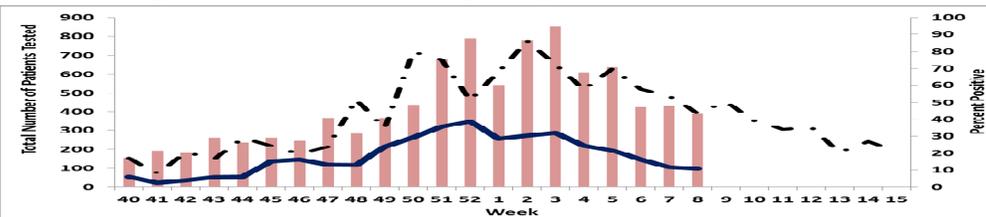
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2013-2014 as Compared to 2012-2013

Northern Regional Medical Command (NRMC)



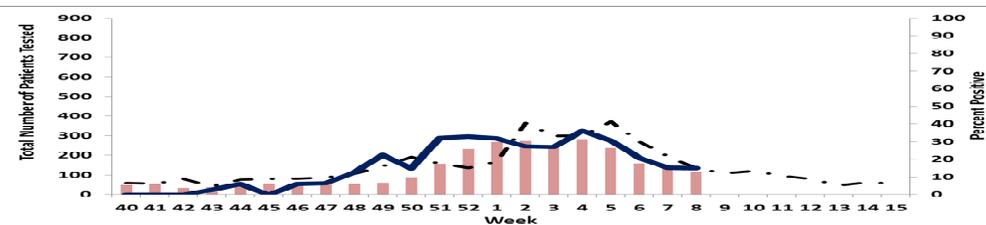
Week 8			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	12	311
18-29	1	1	117
30-39	2	3	106
40-49	1	2	66
50-59	0	2	40
60+	0	0	30
Total	4	20	670

Southern Regional Medical Command (SRMC)



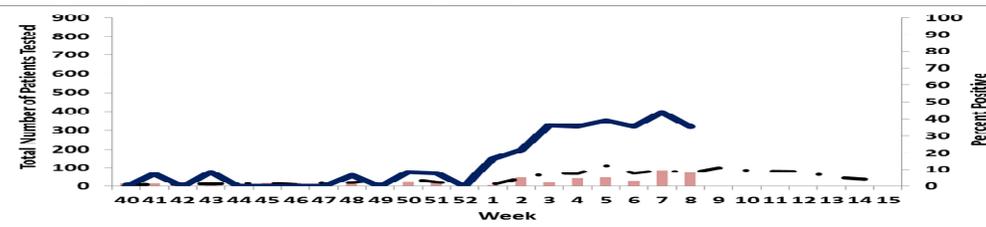
Week 8			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	15	891
18-29	5	2	370
30-39	2	6	283
40-49	2	1	202
50-59	0	6	191
60+	0	3	152
Total	9	33	2089

Western Regional Medical Command (WRMC)



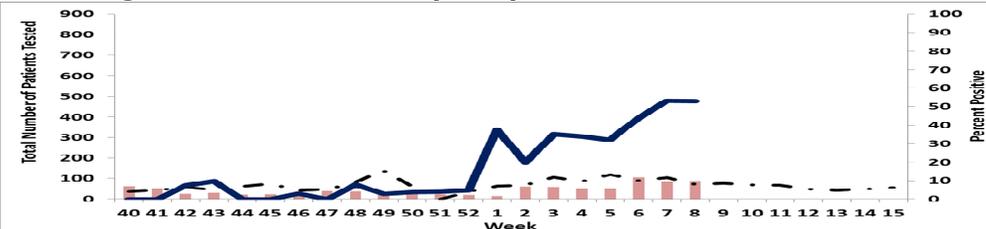
Week 8			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	6	323
18-29	3	3	120
30-39	0	1	74
40-49	1	2	61
50-59	0	1	41
60+	0	1	24
Total	4	14	643

Europe Regional Medical Command (ERMC)



Week 8			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	11	45
18-29	5	0	21
30-39	4	4	39
40-49	1	0	15
50-59	1	0	11
60+	0	0	1
Total	11	15	132

Pacific Regional Medical Command (PRMC)



Week 8			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	12	67
18-29	13	7	82
30-39	4	4	36
40-49	2	5	22
50-59	0	0	11
60+	0	0	6
Total	19	28	224

Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 1		Week 2		Week 3		Week 4		Week 5		Week 6		Week 7		Week 8	
	AD	Non-AD														
NRMC	6	51	32	44	31	90	19	66	20	61	20	51	10	28	4	20
SRMC	18	136	63	173	56	216	33	117	29	108	14	55	18	33	9	33
WRMC	8	78	7	68	14	52	15	87	12	61	8	25	3	17	4	14
ERMC	0	1	6	4	3	5	5	10	11	7	2	8	15	22	11	15
PRMC	1	5	4	8	2	19	5	13	10	7	24	22	25	19	19	28
CENTCOM	0	0	0	0	0	0	0	0	4	20	0	4	3	9	16	68

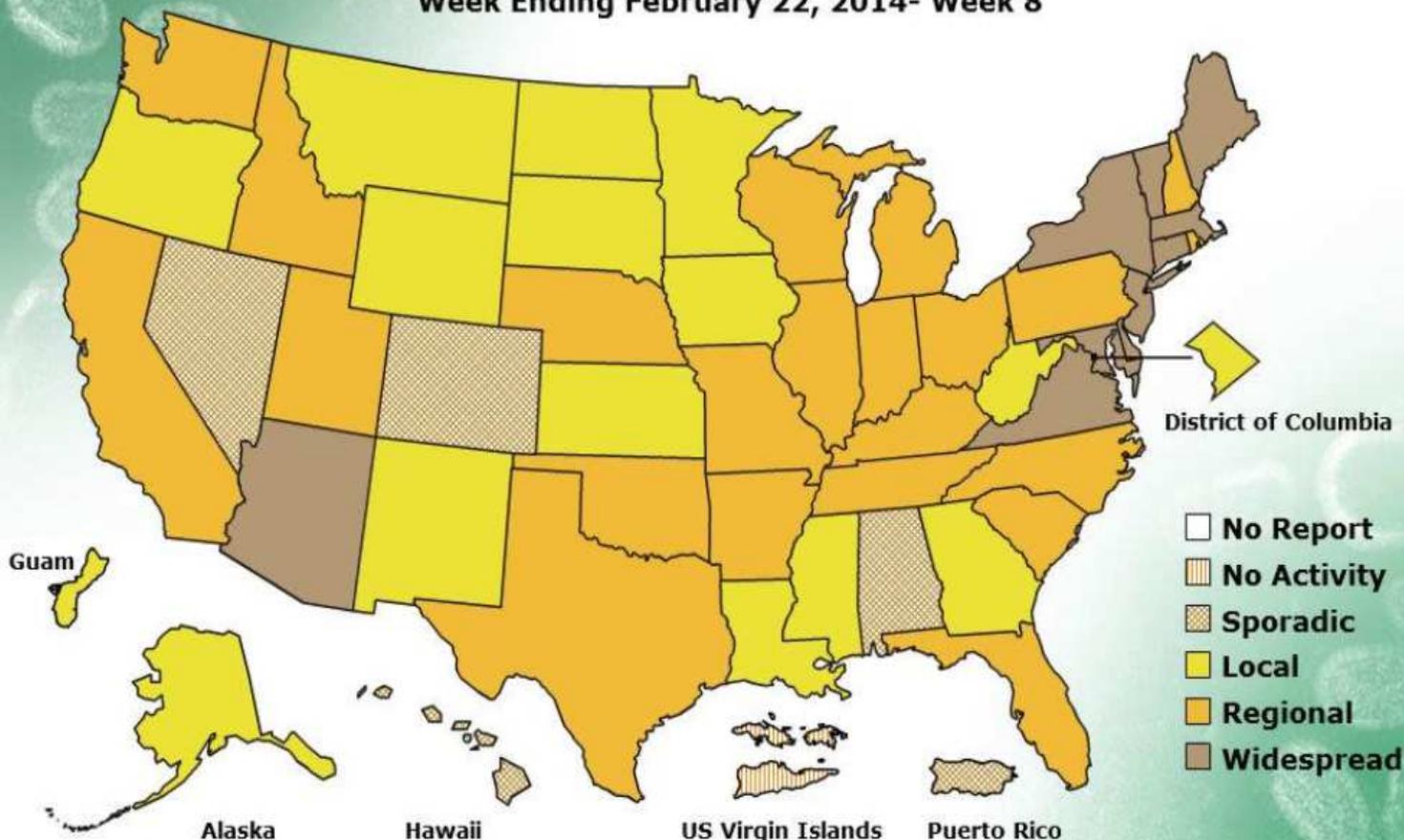
Locations providing week 8 laboratory data as of 25 February 2014: Korea, Ft Belvoir (NCR), Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Irwin, Ft Jackson, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, 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*

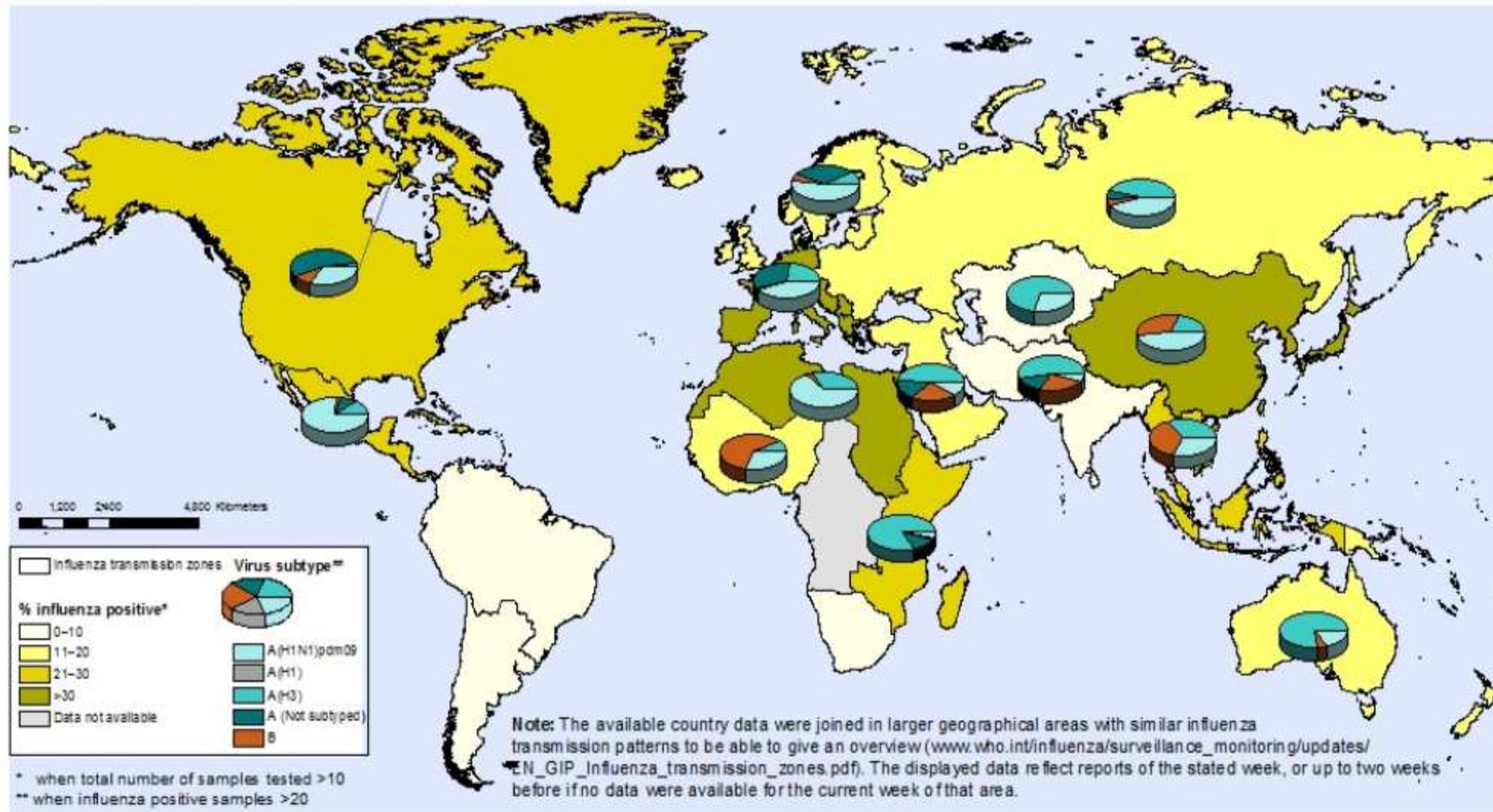
Week Ending February 22, 2014- Week 8



*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

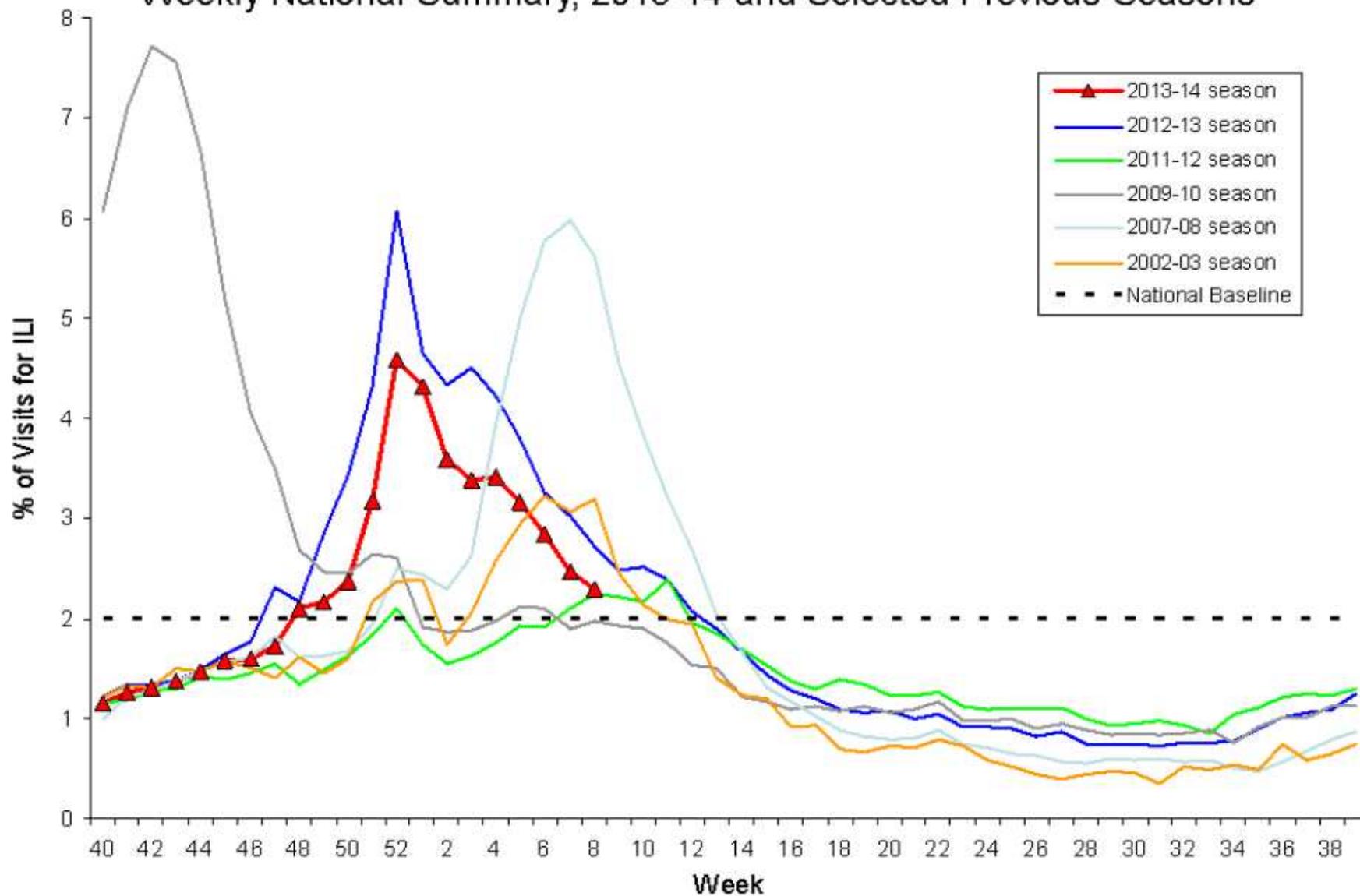
Status as of week 06
2-8 February 2014



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.

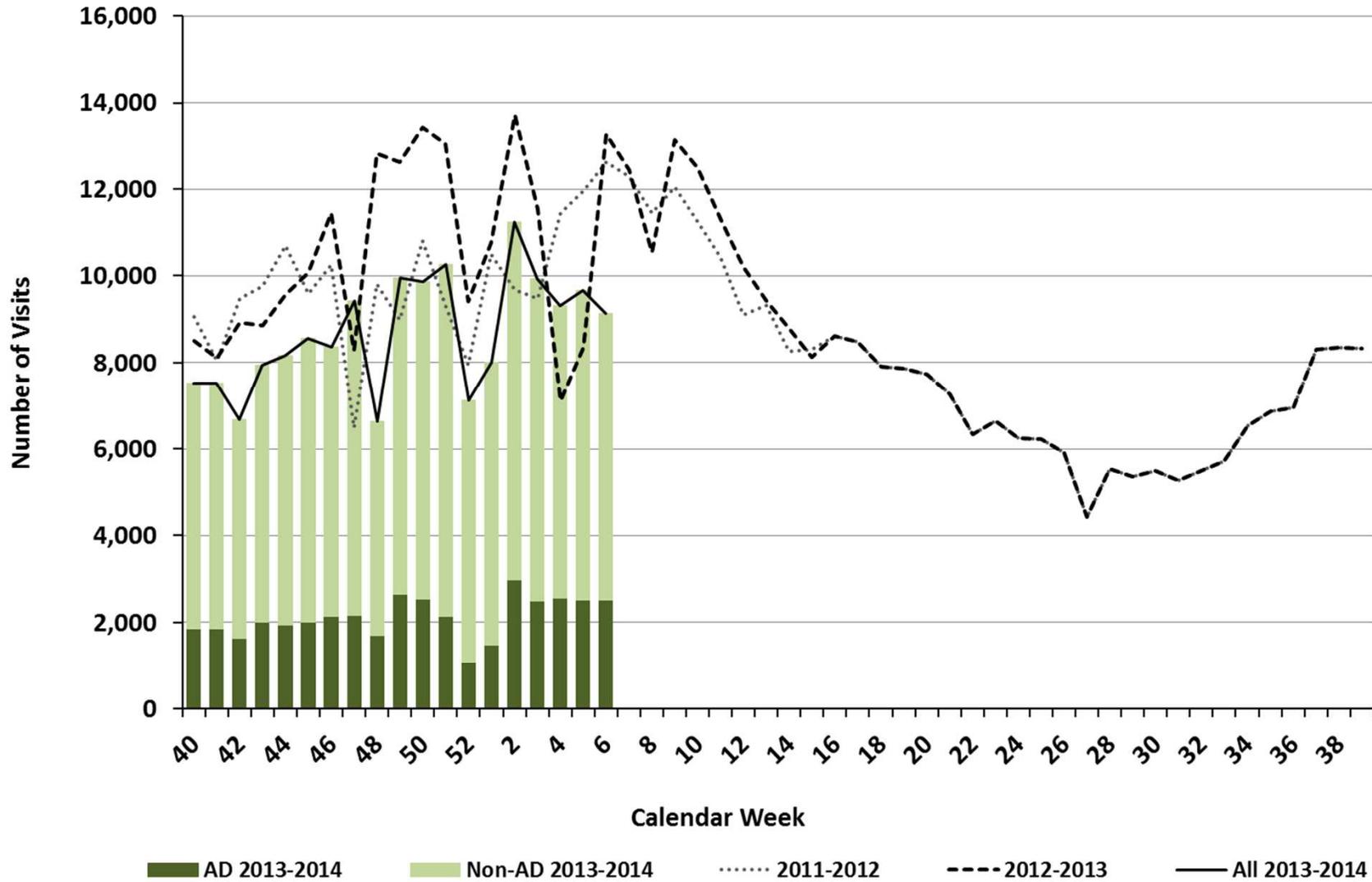
Data Source: WHO/GIP, data in HQ as of 21 January 2014.
Data used are from FluNet (www.who.int/fluNet), 14:10 UTC snapshot, from WHO regional offices and/or ministry of health websites.

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



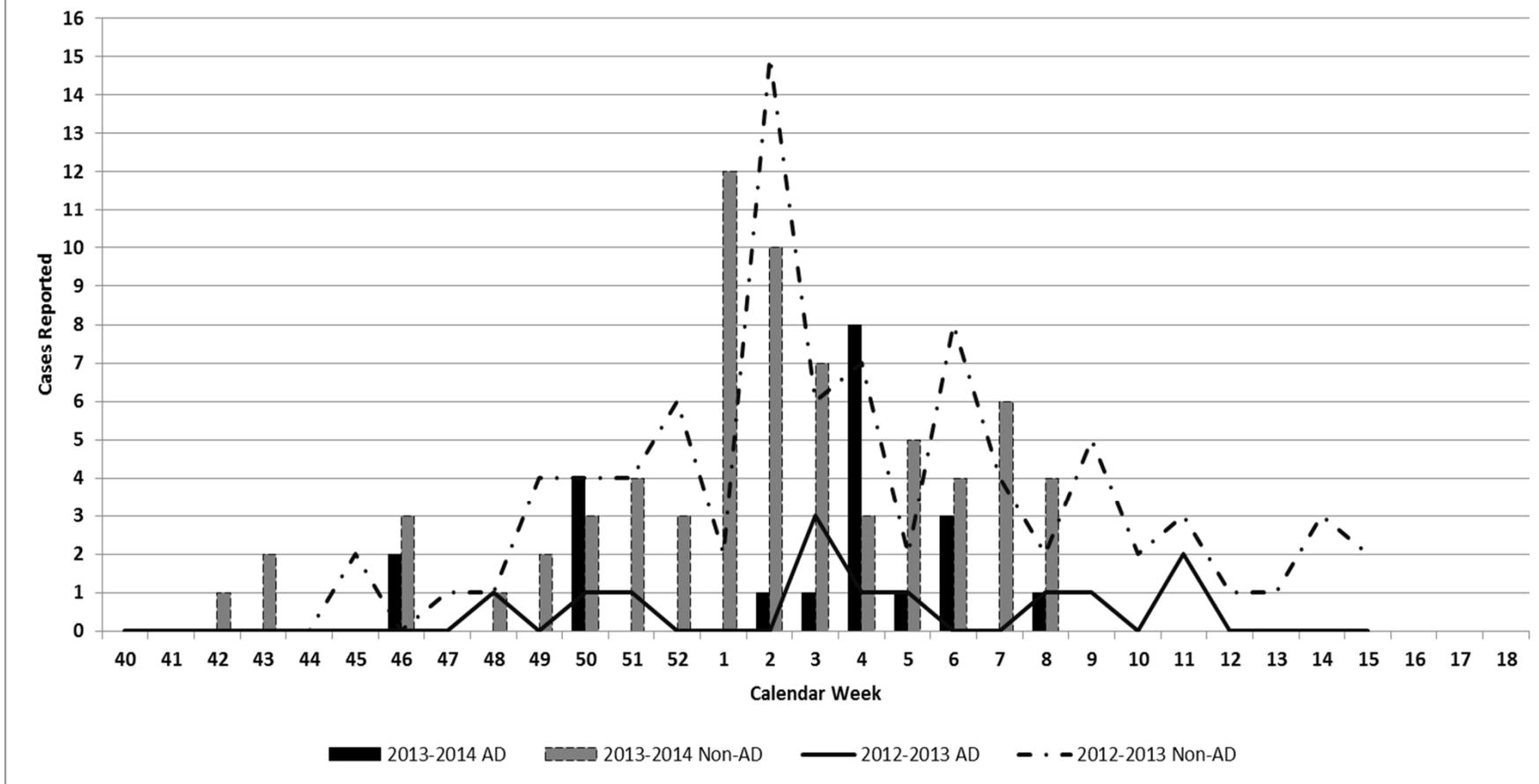
Clinic visits for ILI are obtained from ESSENCE. Data as of 12 February 2014.

Army MTF Laboratory Results, 2013-14

Test Result	Week 5	Week 6	Week 7	Week 8	Season Total
Influenza A	350	233	202	241	3884
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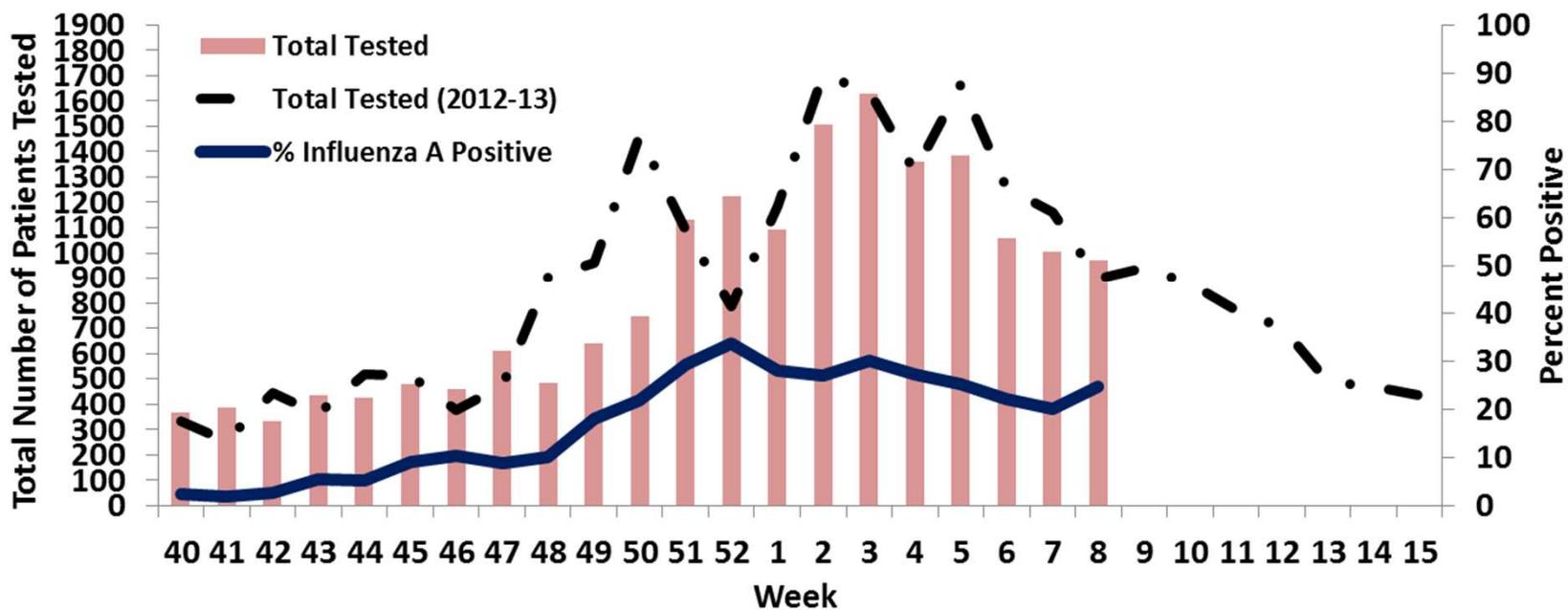


Army Influenza Cases Reported in DRSi by Week of Symptom Onset

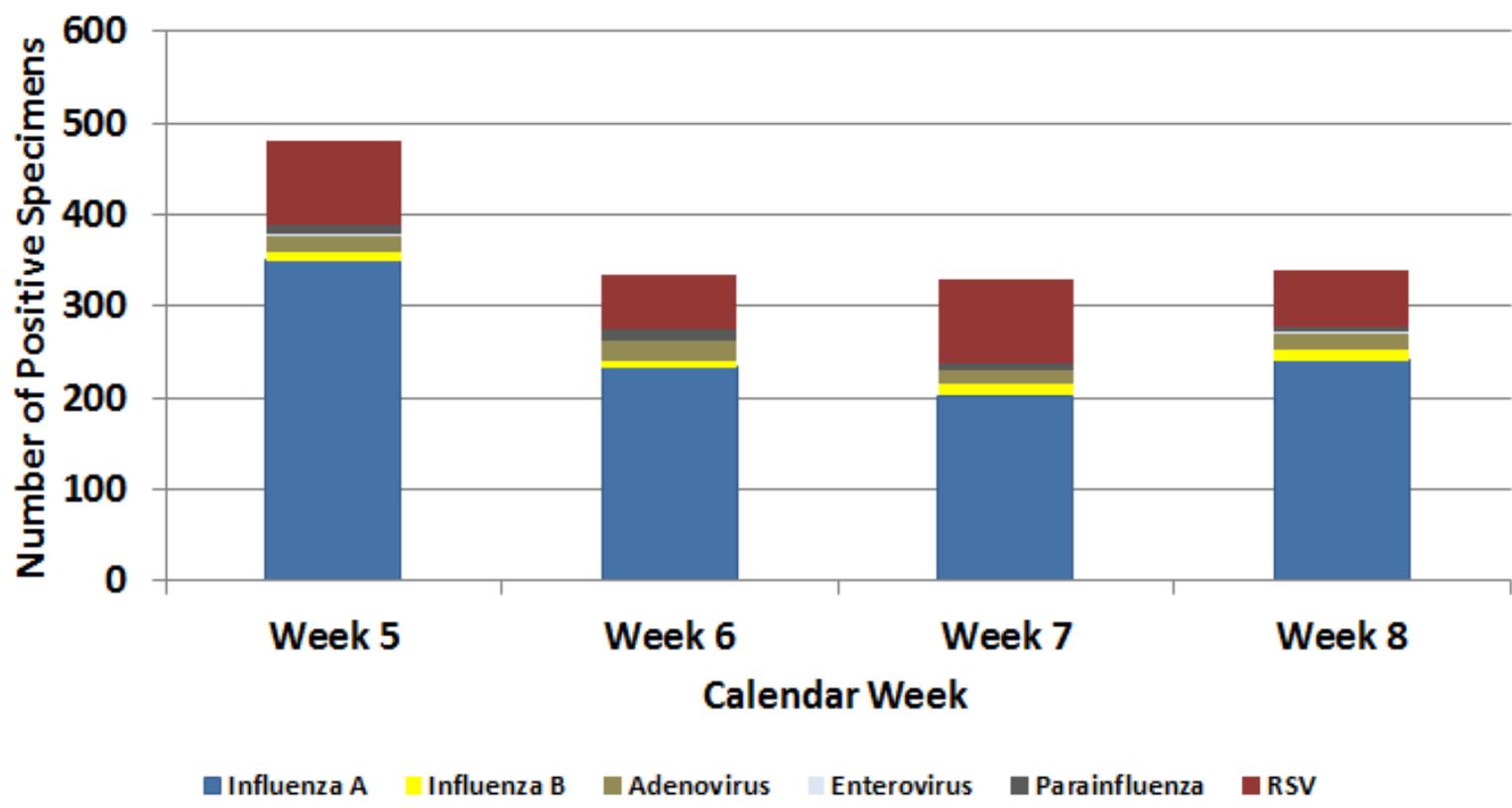


Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information
Data as of 25 February 2014.

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

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