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U.S. Army Influenza Activity Report

Week Ending 8 February 2014 (Week 6)

2013-2014 Seasonal Influenza Vaccination Coverage

As of 22 JAN 2014

93%	DOD
97%	Army Active Duty
90%	Army Guard
80%	Army Reserve

SYNOPSIS: The number of specimens testing positive for Influenza A continued to decline in week six. All regions, except PRMC, have shown declining trends from peaks earlier in the season. PRMC, on the other hand, continues to see a rise in positive influenza samples since week one.

- **ILI Activity:** Army incident ILI outpatient visits in week six were 31% lower than for the same week last year.
- **Influenza cases:** Seven hospitalized influenza cases have been reported to USAPHC through DRSi in week six. To date, 80 cases have been reported during this influenza season: twenty in Active Duty (AD) Service Members (SMs) and 60 in non-AD beneficiaries.
- **Viral specimens:** During week six, 339 of 1,364 (25%) laboratory specimens tested positive for respiratory pathogens. Most of the influenza A positive specimens have been from SRMC (31%), while NRMCM and PRMC accounted for 30% and 20%, respectively.

Geographic Spread

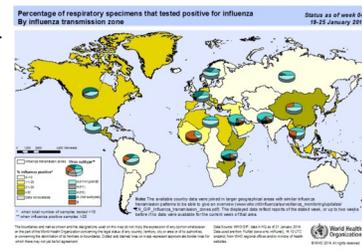


United States

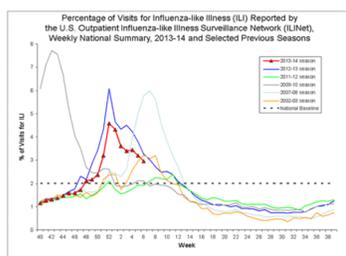
- In week six, 44 states reported widespread and regional influenza activity. The District of Columbia, Guam and five states reported local activity, while Puerto Rico and Hawaii reported sporadic activity. The US Virgin Islands reported no influenza activity.

World Health Organization

- In North America, influenza activity decreased in the US, Canada, and Mexico with A(H1N1)pdm09 virus predominating. In Europe influenza activity continued to increase with influenza A virus circulating.

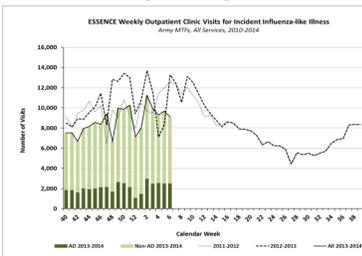


ILI Activity United States



- Nationwide during week six, 3.0% 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 1.6% to 4.5% across regions.

ILI Activity Army



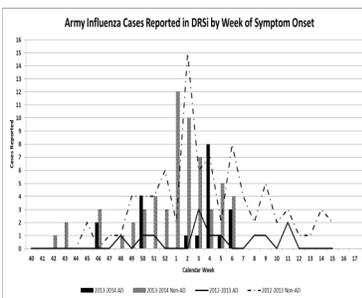
- During week six, incident ILI activity was 31% lower than the same time last year and 28% lower than the 2011-2012 season.
- AD SMs accounted for 27% of incident ILI clinic visits during week six; in 2012-2013, AD SMs comprised 26% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Test Result	Week 3	Week 4	Week 5	Week 6	Season Total
Influenza A	488	373	353	235	3449
Influenza B	2	8	9	7	72
Adenovirus	10	11	18	22	182
Enterovirus	1	1	2	0	15
Parainfluenza	12	11	9	13	236
RSV	79	80	92	62	935
Negative	1253	1132	1241	1025	13941
Total Results	1845	1616	1724	1364	18830

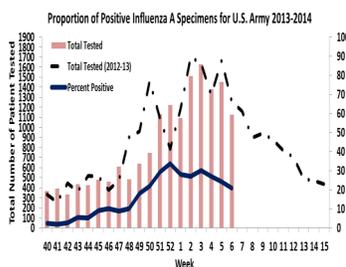
- In week six, 25% (339) of respiratory specimens were positive.
- Influenza A accounted for 69% of positive specimens.
- RSV accounted for 18% of positive specimens, adenovirus for 6%, and parainfluenza for 4%. Influenza B accounted for 2% of positive specimens.

DRSi Influenza Case Reporting



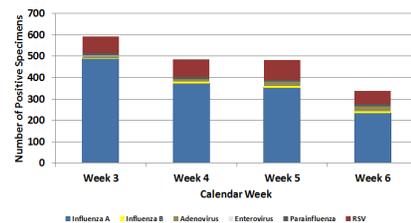
- In week six, seven cases of influenza-associated hospitalizations were reported in DRSi, four of which were in non-AD beneficiaries.
- Eighty hospitalized influenza cases have been reported since the beginning of this influenza season.
- At the same time last influenza season, 70 hospitalized influenza cases were reported.

Laboratory Testing for Influenza A



- In week six, 21% of influenza A tests were positive. This was a slight decrease from week five (24%).
- In week six, 166 of the 235 (71%) positive influenza A specimens were reported in non-AD personnel.
- SRMC reported 72 (31%) of the total influenza cases. NRMCM reported 71 (30%) positive influenza A specimens, and PRMC reported 46 (20%). WRMC reported 32 cases (14%) and ERMCM reported 10 cases (4%).
- CENTCOM reported four positive specimens in non-AD beneficiaries.

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

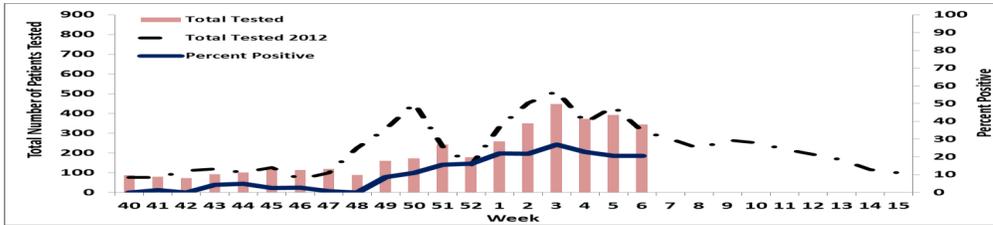
Questions?

Email USAPHC-DEP
410-417-3774

U.S. Army Influenza Activity Report

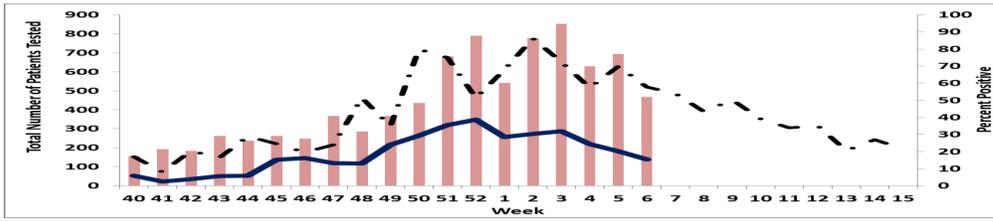
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2013-2014 as Compared to 2012-2013

Northern Regional Medical Command (NRMC)



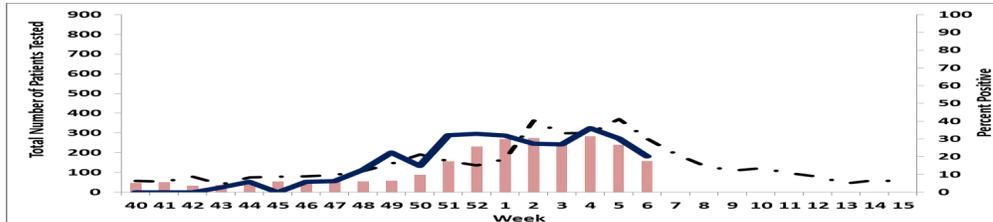
Week 6			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	31	279
18-29	5	5	110
30-39	7	6	96
40-49	7	3	57
50-59	1	3	36
60+	0	3	30
Total	20	51	608

Southern Regional Medical Command (SRMC)



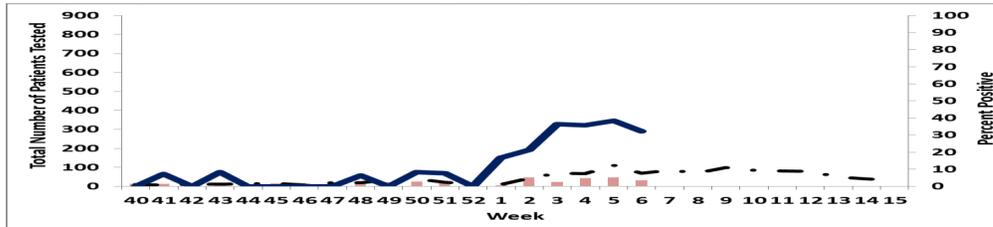
Week 6			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	25	860
18-29	8	6	356
30-39	4	8	265
40-49	3	7	197
50-59	0	5	183
60+	0	6	144
Total	15	57	2005

Western Regional Medical Command (WRMC)



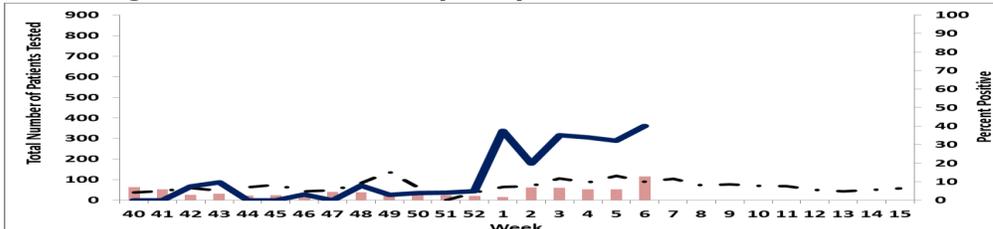
Week 6			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	15	308
18-29	3	1	111
30-39	5	3	68
40-49	0	2	57
50-59	0	2	37
60+	0	1	23
Total	8	24	604

Europe Regional Medical Command (ERMC)



Week 6			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	3	20
18-29	1	0	12
30-39	1	1	17
40-49	0	0	11
50-59	0	3	8
60+	0	1	1
Total	2	8	69

Pacific Regional Medical Command (PRMC)



Week 6			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	11	45
18-29	17	4	42
30-39	6	3	21
40-49	1	2	10
50-59	0	2	10
60+	0	0	5
Total	24	22	133

Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 51		Week 52		Week 1		Week 2		Week 3		Week 4		Week 5		Week 6	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
NRMC	3	35	2	27	6	51	32	44	31	90	19	66	20	61	20	51
SRMC	26	215	33	272	18	136	63	173	56	216	34	119	30	110	15	57
WRMC	3	47	8	68	8	78	7	68	14	52	15	87	12	61	8	24
ERMC	1	1	0	0	0	1	6	4	3	5	5	10	11	7	2	8
PRMC	0	1	0	1	1	5	4	8	2	19	5	13	10	7	24	22
CENTCOM	0	0	0	1	0	0	0	0	0	0	0	0	4	20	0	4

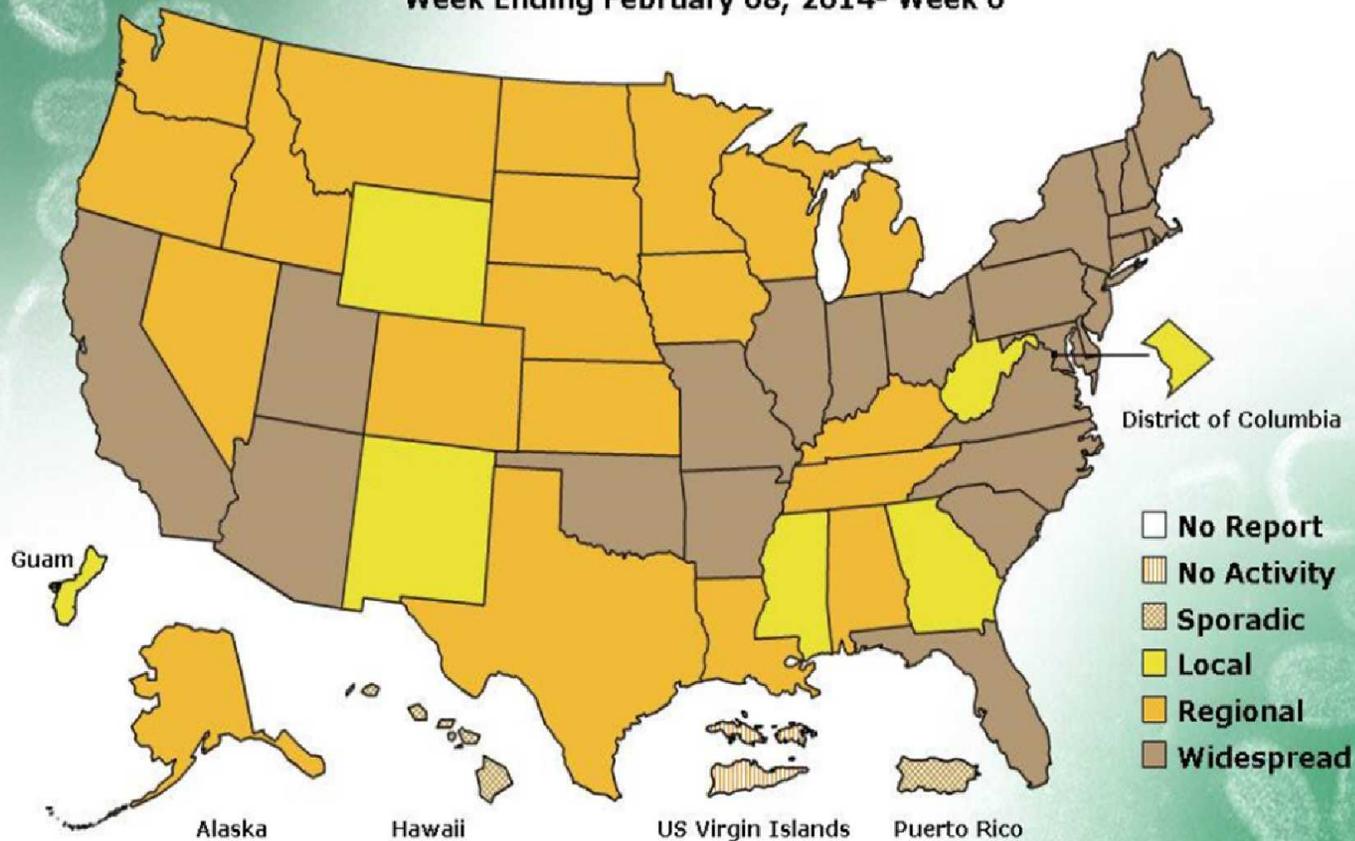
Locations providing week 6 laboratory data as of 11 February 2014: Korea, Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Irwin, Ft Jackson, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam 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*

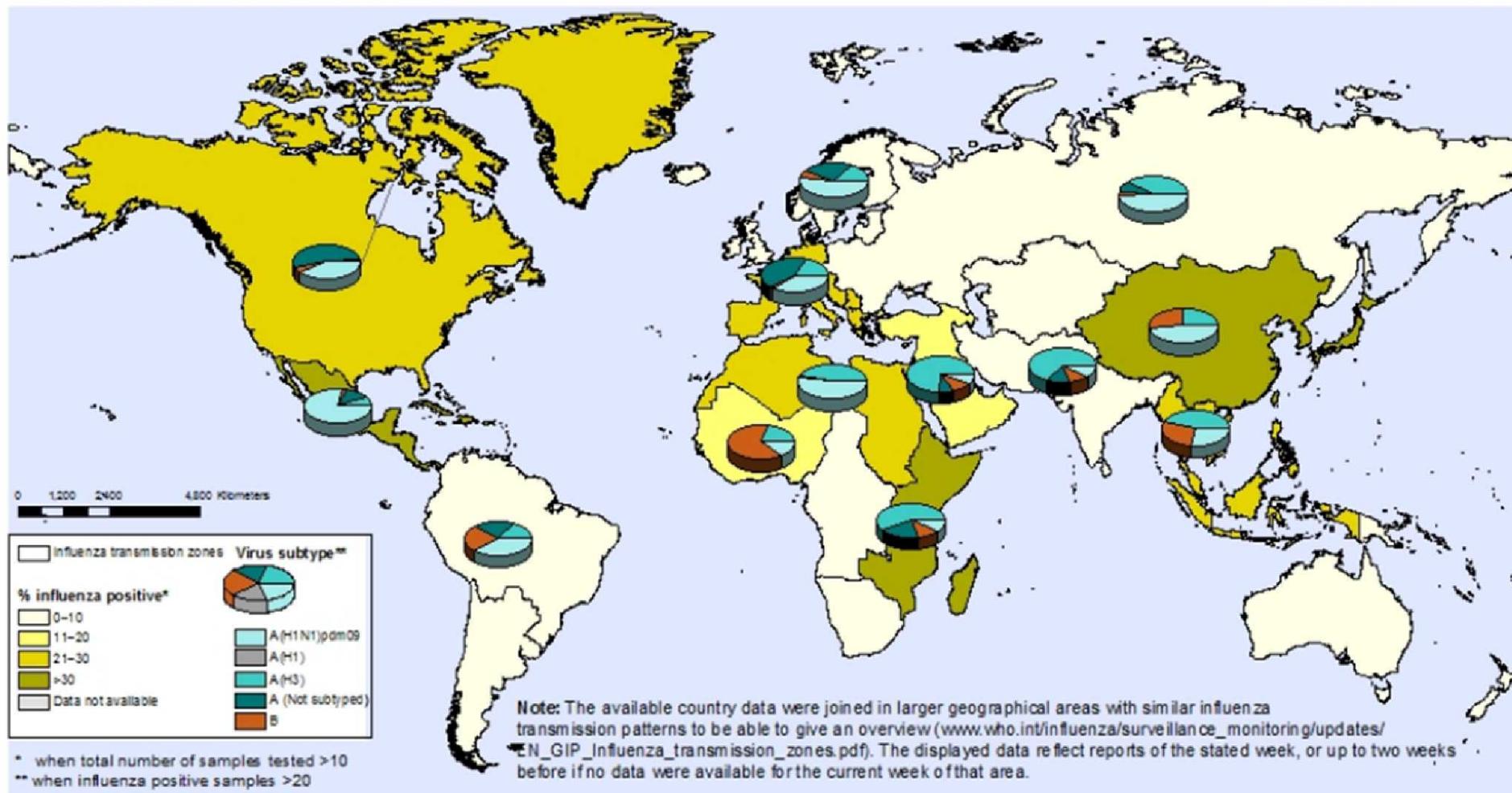
Week Ending February 08, 2014- Week 6



*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

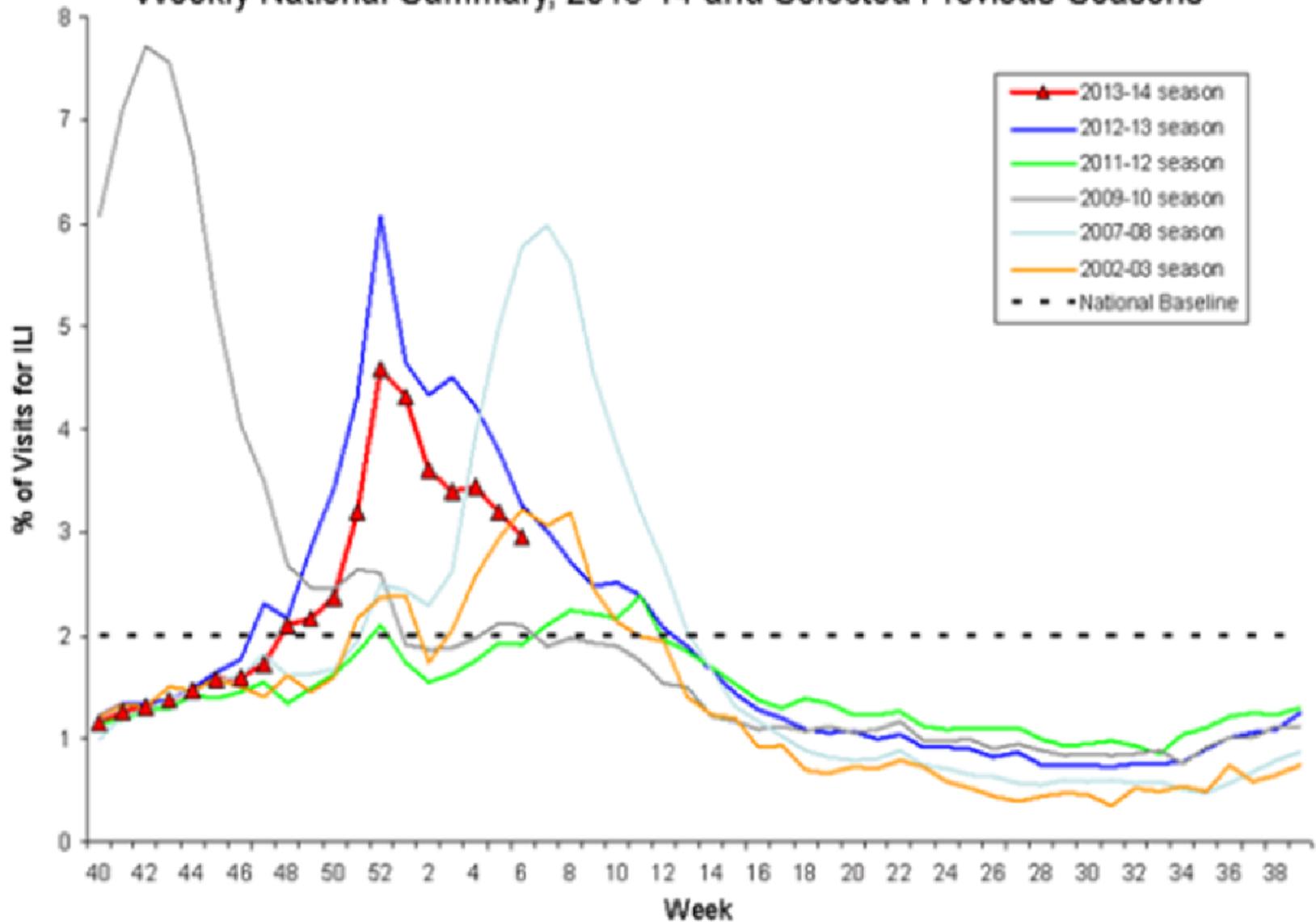
Status as of week 04
19-25 January 2014



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.

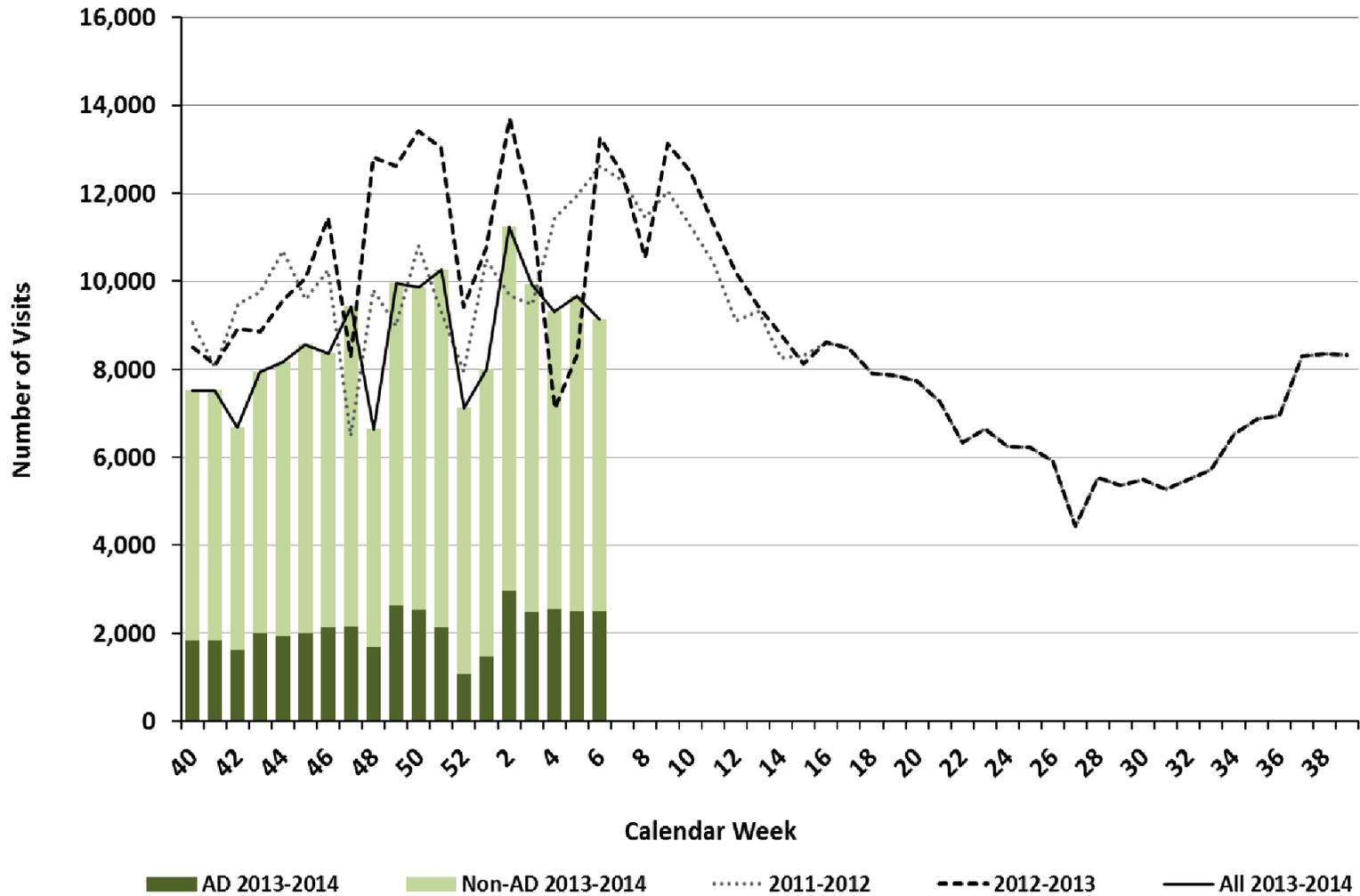
Data Source: WHO/GIP, data in HQ as of 21 January 2014.
Data used are from FluNet (www.who.int/flu-net), 14:10 UTC snapshot, from WHO regional offices and/or ministry of health websites.

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

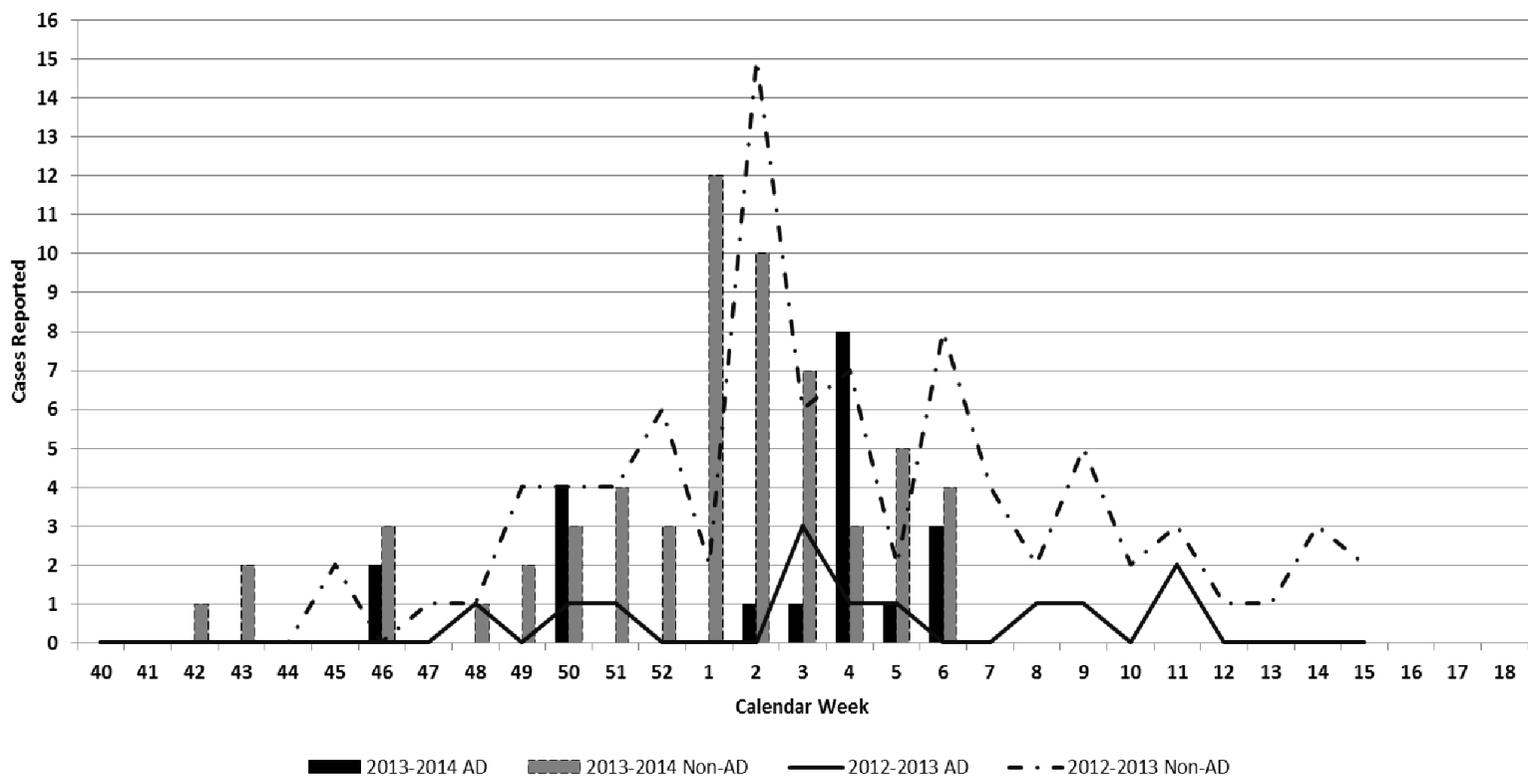
Army MTFs, All Services, 2010-2014



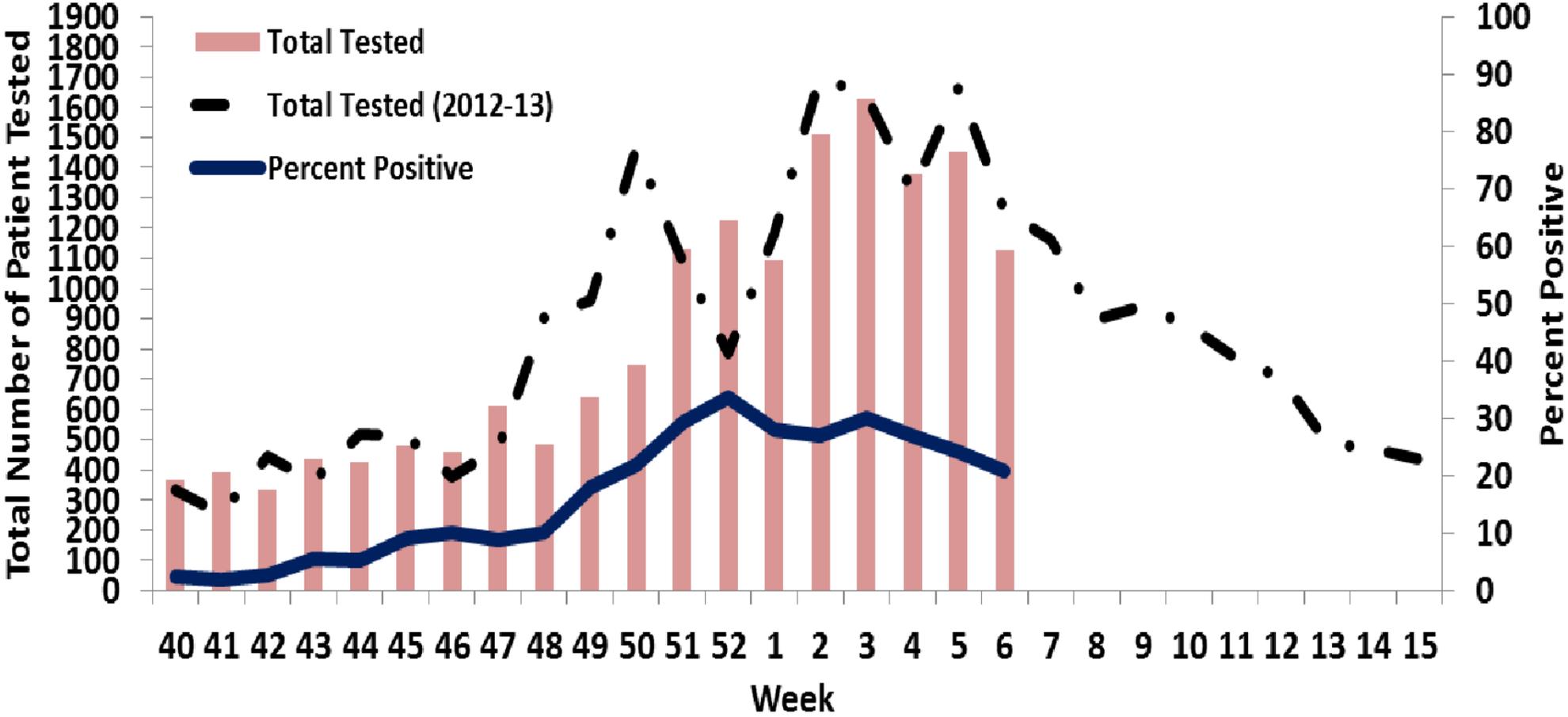
Army MTF Laboratory Results, 2013-14

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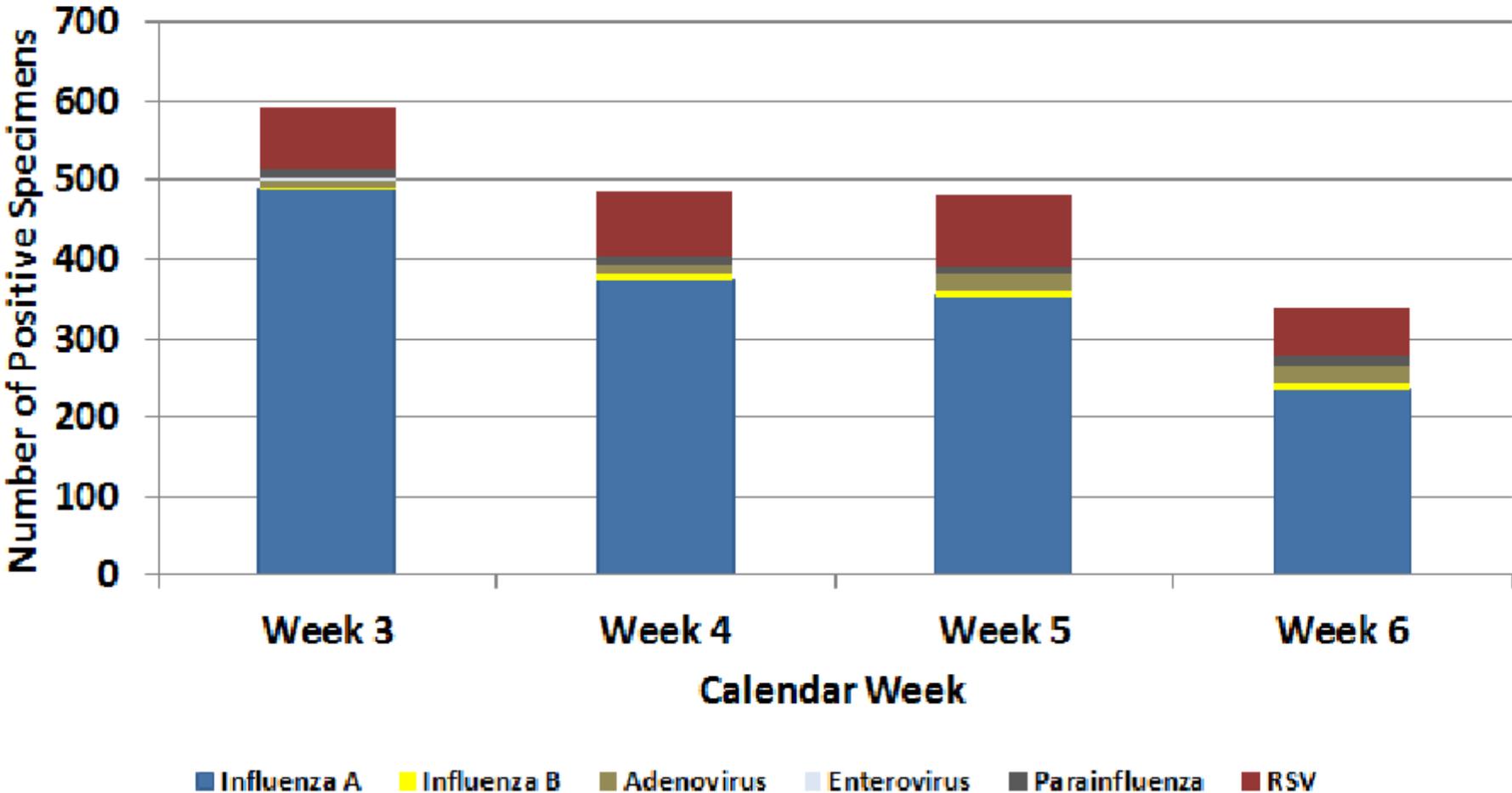
Army Influenza Cases Reported in DRSi by Week of Symptom Onset



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



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PRMC	0	1	0	1	1	5	4	8	2	19	5	13	10	7	24	22
CENTCOM	0	0	0	1	0	0	0	0	0	0	0	0	4	20	0	4