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U.S. Army Influenza Activity Report

Week Ending 16 March 2013 (Week 11)

2012-2013 Seasonal Influenza Vaccination Coverage As of 19 MAR 2013	
97%	DOD
98%	Army Active Duty
93%	Army Guard
87%	Army Reserve

SYNOPSIS: During week 11, Army influenza-like illness (ILI) activity was slightly lower than the same time last season. The proportion of civilian outpatient visits for ILI decreased to the national baseline of 2.2%. Influenza B continues to exceed influenza A among typed specimens in both the Army and civilian populations.

- **ILI Activity:** Army incident ILI outpatient visits in week 11 were 3% lower than the same week last year.
- **Influenza cases:** Five hospitalized influenza cases were reported to USAPHC in week 11. 90 hospitalized cases have been reported during this influenza season, 78 in dependents and 12 in Active Duty.
- **Acute Respiratory Disease at BCT sites:** ARD rates remain low; rates did not increase significantly at any sites during week 11.
- **Viral specimens:** During week 11, 272 of 1066 (26%) laboratory specimens tested were positive for respiratory pathogens. Influenza B accounted for 51% of positive specimens. Most of the influenza positive specimens were from ERMC (35%); 24% were from SRMC, and 22% from PRMC.

Geographic Spread

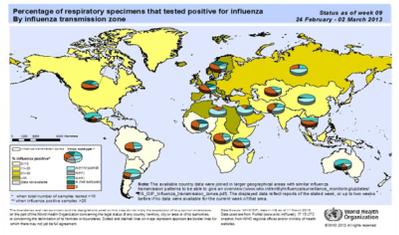


United States

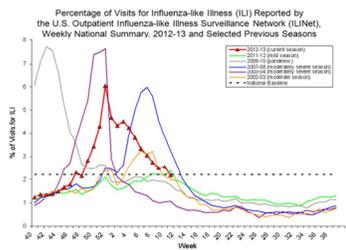
- During week 11, 7 states reported widespread activity; Puerto Rico and 8 states reported regional activity. 35 states reported local or sporadic activity. Guam reported no influenza activity.

Global

- Influenza activity in North America continues to decrease overall, though activity remains high in some areas. Activity in Europe remains high but decreases are starting to be seen. Persistent influenza activity was also seen in Mongolia and the Republic of Korea.

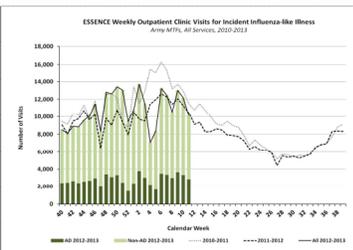


ILI Activity United States



- For week 11, 2.2% of outpatient visits reported through ILINet were due to ILI, which is at the national baseline.
- Only 3 of 10 regions reported a proportion of outpatient visits for ILI above their specific baselines.
- The percentage of ILI outpatient visits ranged from 1.1 to 3.0% across regions.

ILI Activity Army



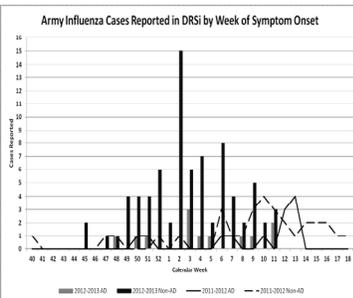
- During week 11, incident ILI activity was 3% lower than at the same time last year and 12% lower than during the 2010-2011 season.
- Active Duty (AD) Service Members (SMs) accounted for 28% of incident ILI clinic visits during week 11; in 2011-2012, AD SMs comprised 28% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2012-13					
Test Result	Week 8	Week 9	Week 10	Week 11	Season Total
Influenza A	116	118	94	68	9978
Influenza B	89	130	127	138	2431
Adenovirus	8	12	16	10	391
Enterovirus	1	0	1	0	16
Parainfluenza	12	15	18	11	916
RSV	69	62	53	45	3522
Negative	840	914	881	794	99408
Total Results	1135	1251	1190	1066	4642

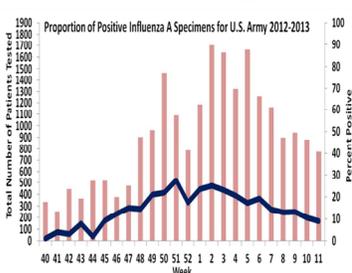
- 26% (272) of respiratory specimens were positive during week 11; influenza B accounted for 51% of positive specimens.
- Influenza A accounted for 25% of positive specimens, and RSV for 17%.
- Parainfluenza and adenovirus accounted for 4% of positive specimens each.

DRSi Influenza Case Reporting

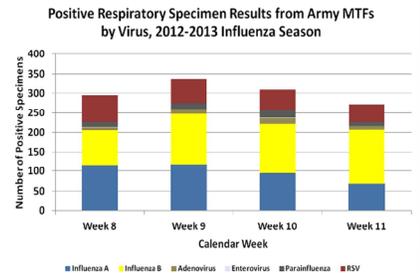


- 3 dependents and 2 AD SMs with influenza requiring hospitalization were reported in DRSi in week 11.
- A total of 90 hospitalized influenza cases have been reported this season for the US Army, 78 in dependents and 12 in AD SMs.
- At the same time last influenza season, only 5 AD SMs were reported hospitalized with influenza.

Laboratory Testing for Influenza A



- The proportion of positive influenza A tests in week 11 (9%) continues to decrease slightly from the previous two weeks (10-13%).
- 44 of the 68 (65%) positive influenza A specimens in week 11 were from non-AD personnel.
- 24 (35%) of the 68 positive influenza A specimens were from ERMC, 16 (24%) were from SRMC, and 15 (22%) were from PRMC.
- WRMC reported 8 (12%) and NRMCM reported 3 (4%) influenza A cases, respectively.



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; ARD-Acute Respiratory Disease; NHRC- Naval Health Research Center; ADV-Adenovirus; RSV-Respiratory Syncytial Virus; DEP- Disease Epidemiology Program; SM-Service Member

Questions?

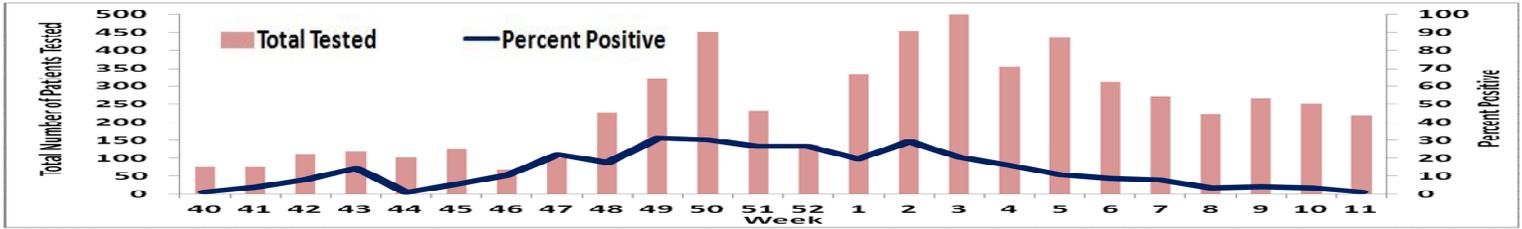
Email USAPHC-DEP
410-417-3774



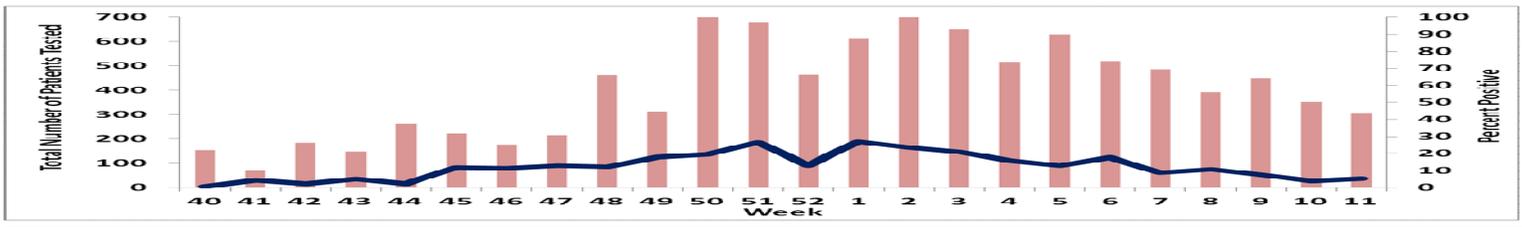
U.S. Army Influenza Activity Report

Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2012-13

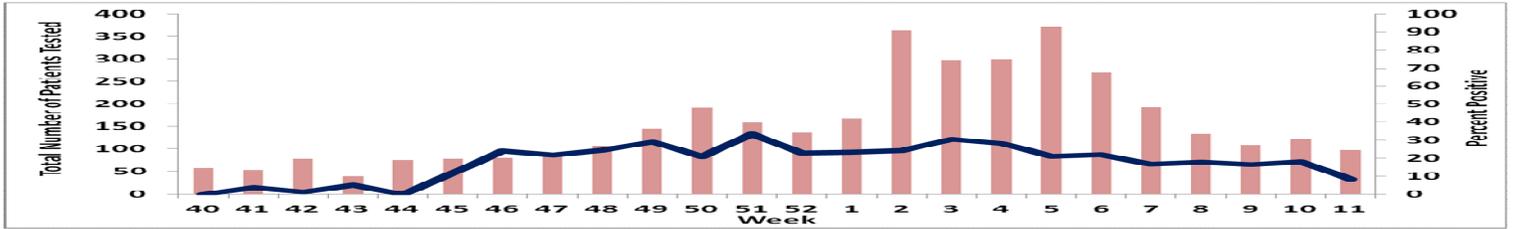
Northern Regional Medical Command (NRMC)



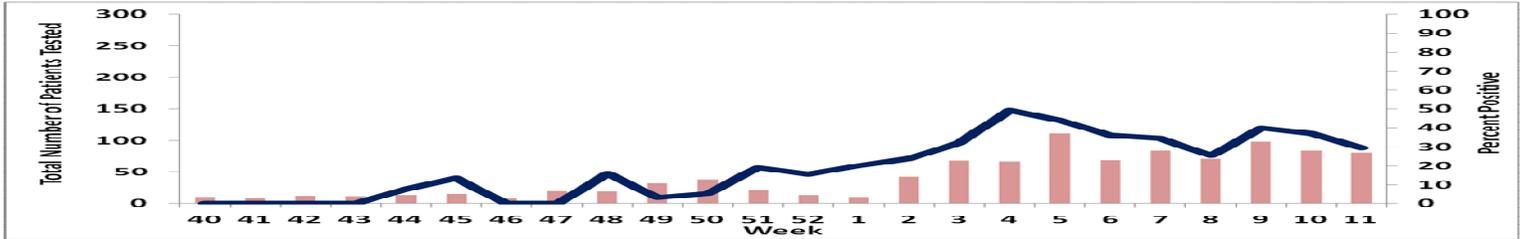
Southern Regional Medical Command (SRMC)



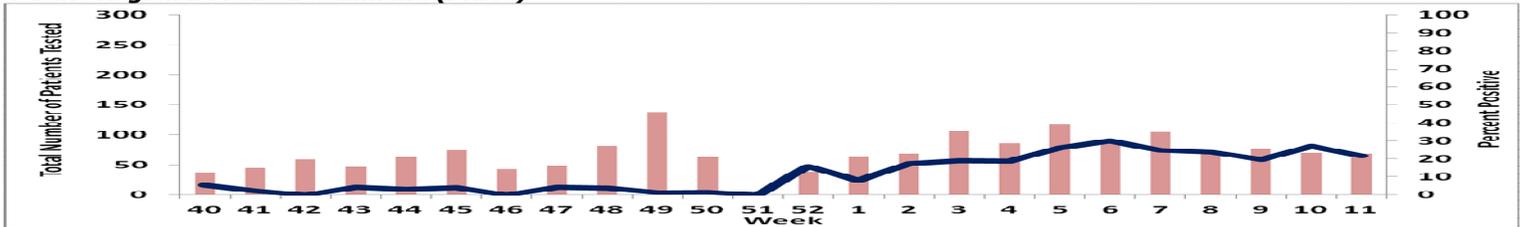
Western Regional Medical Command (WRMC)



European Regional Medical Command (ERMC)



Pacific Regional Medical Command (PRMC)



Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 4		Week 5		Week 6		Week 7		Week 8		Week 9		Week 10		Week 11	
	AD	Non-AD	AD	Non-AD	AD	Non-AD										
NRMC	27	30	18	28	6	21	6	15	2	6	6	5	1	8	1	2
SRMC	19	63	14	67	22	70	15	27	9	33	11	22	7	6	6	10
WRMC	20	64	18	60	10	49	7	25	5	19	4	14	3	19	0	8
ERMC	11	22	14	35	12	13	12	17	7	11	14	25	13	18	11	13
PRMC	5	11	9	22	15	12	8	18	7	10	3	12	9	10	4	11
CENTCOM	0	0	1	1	6	6	8	7	3	4	2	0	2	0	2	0

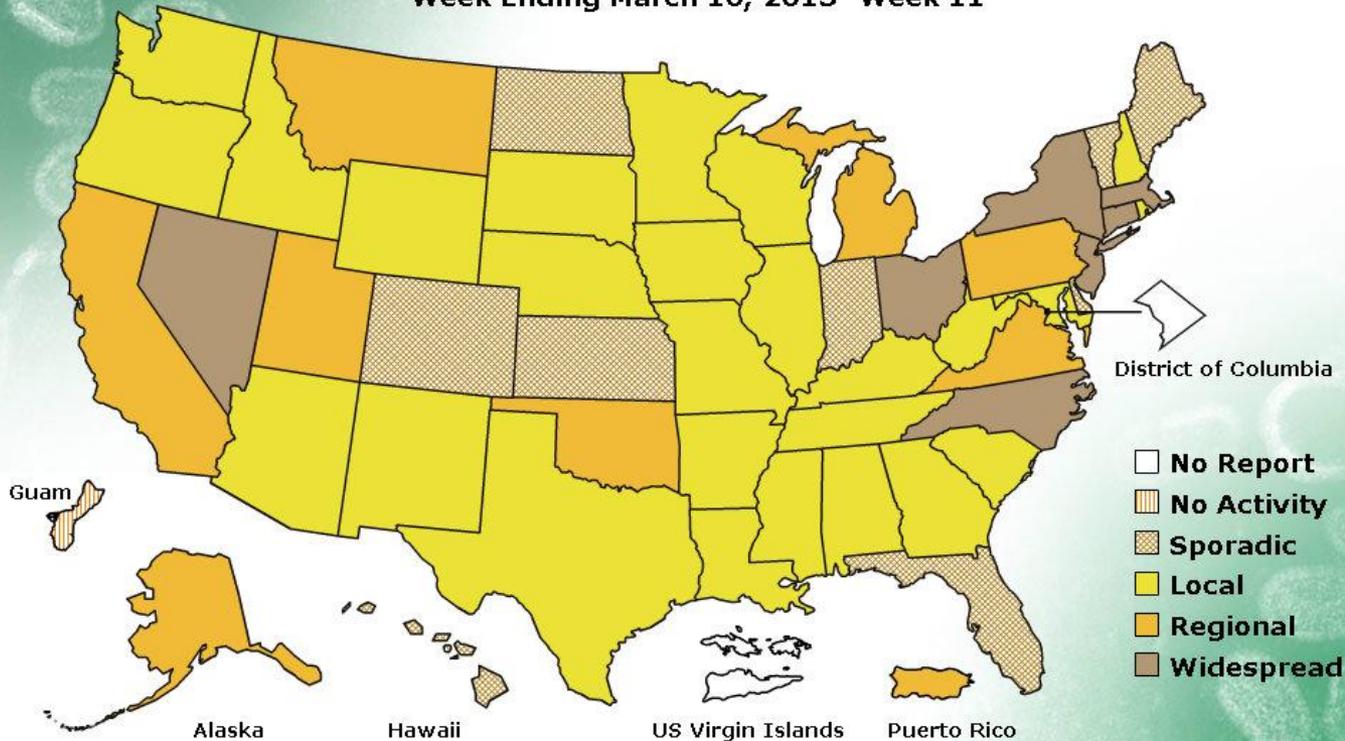
Locations providing week 11 laboratory data as of 20 March 2013: Korea, Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Irwin, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, and Redstone Arsenal.

FLUVIEW



A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*

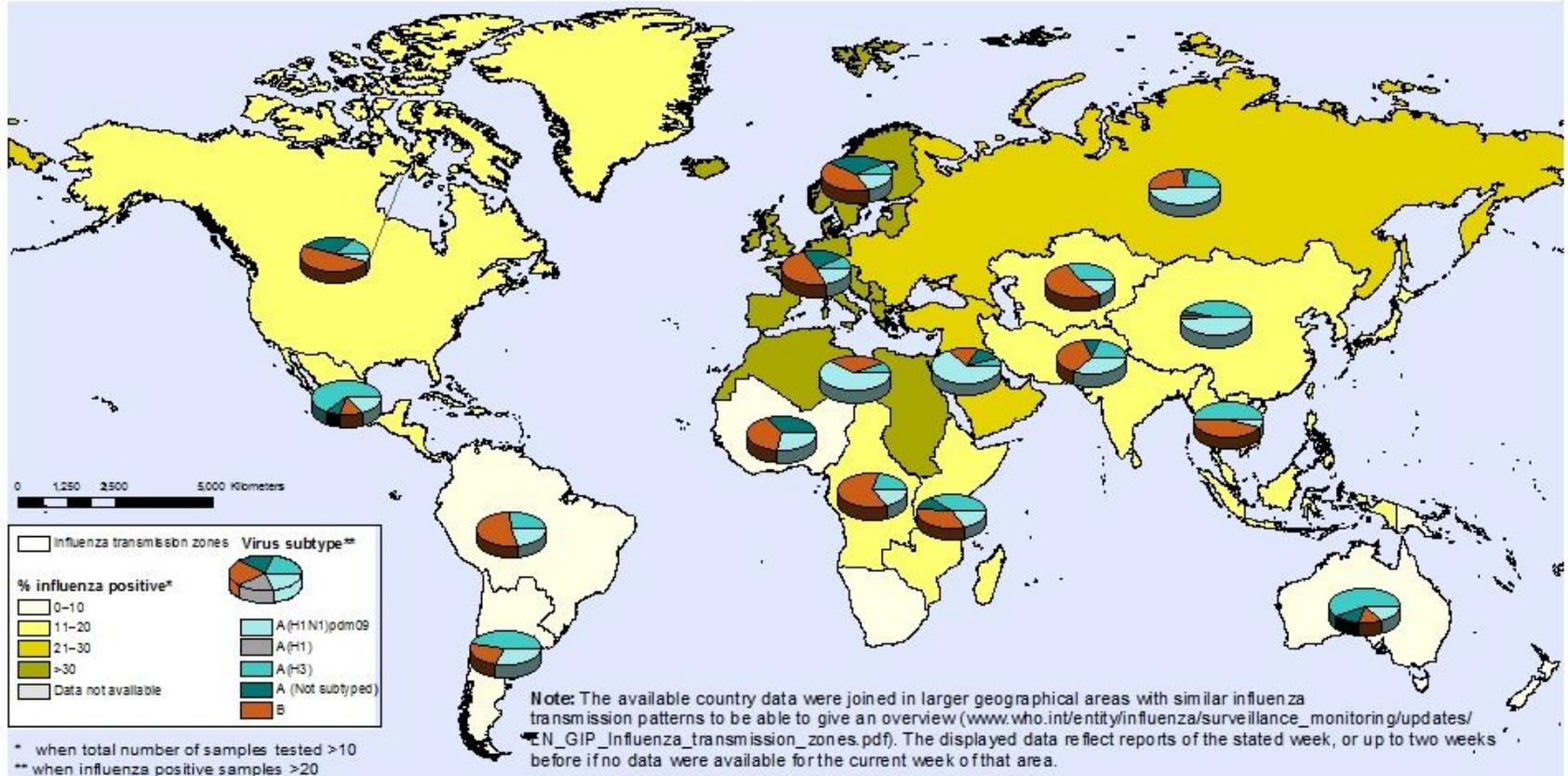
Week Ending March 16, 2013- Week 11



*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 09
24 February - 02 March 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.

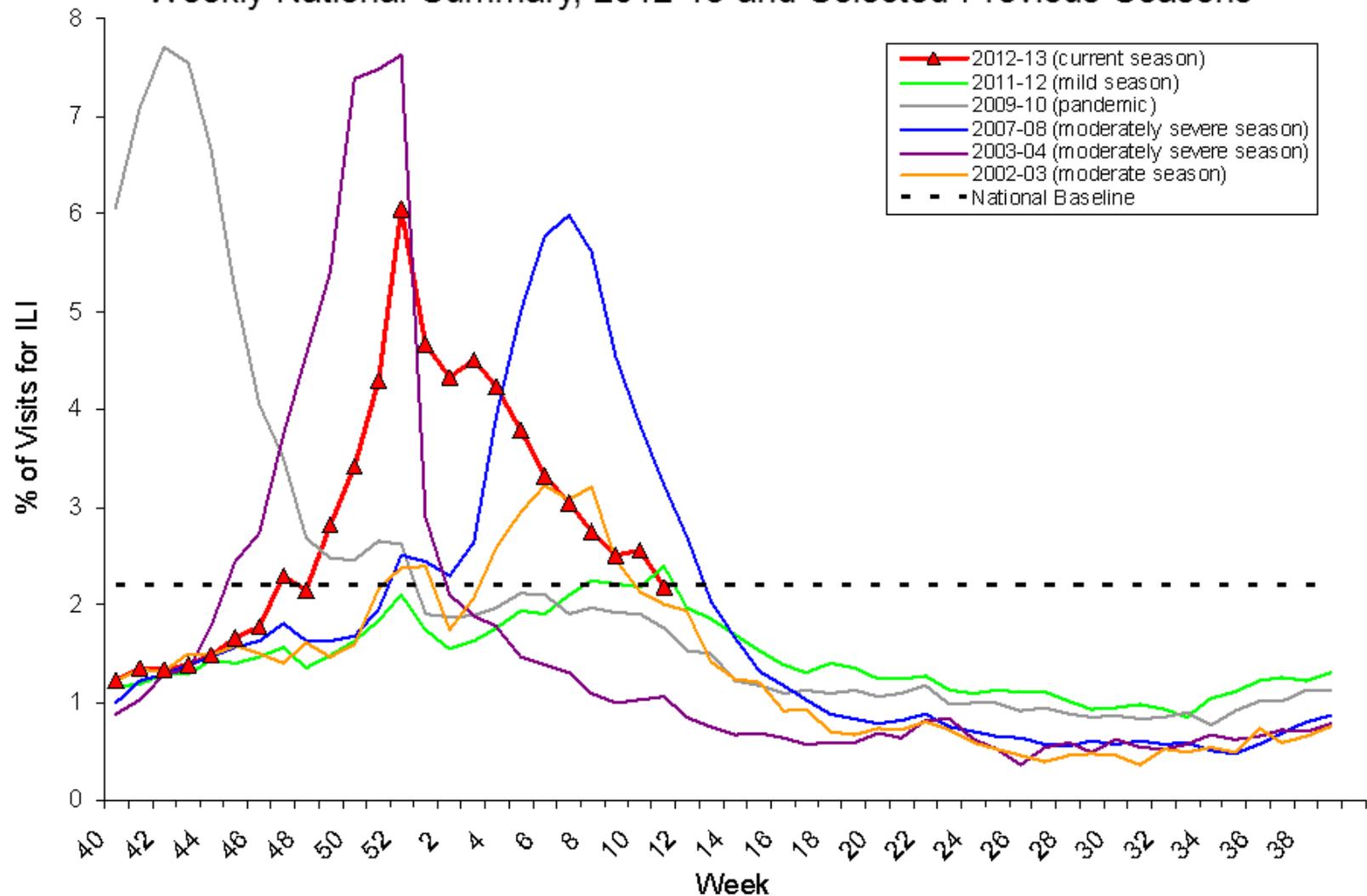
Data Source: WHO/GIP, data in HQ as of 11 March 2013.
Data used are from FluNet (www.who.int/flu-net), 17:15 UTC snapshot, from WHO regional offices and/or ministry of health websites.



http://www.who.int/influenza/gisrs_laboratory/updates/summaryreport/en/index.html

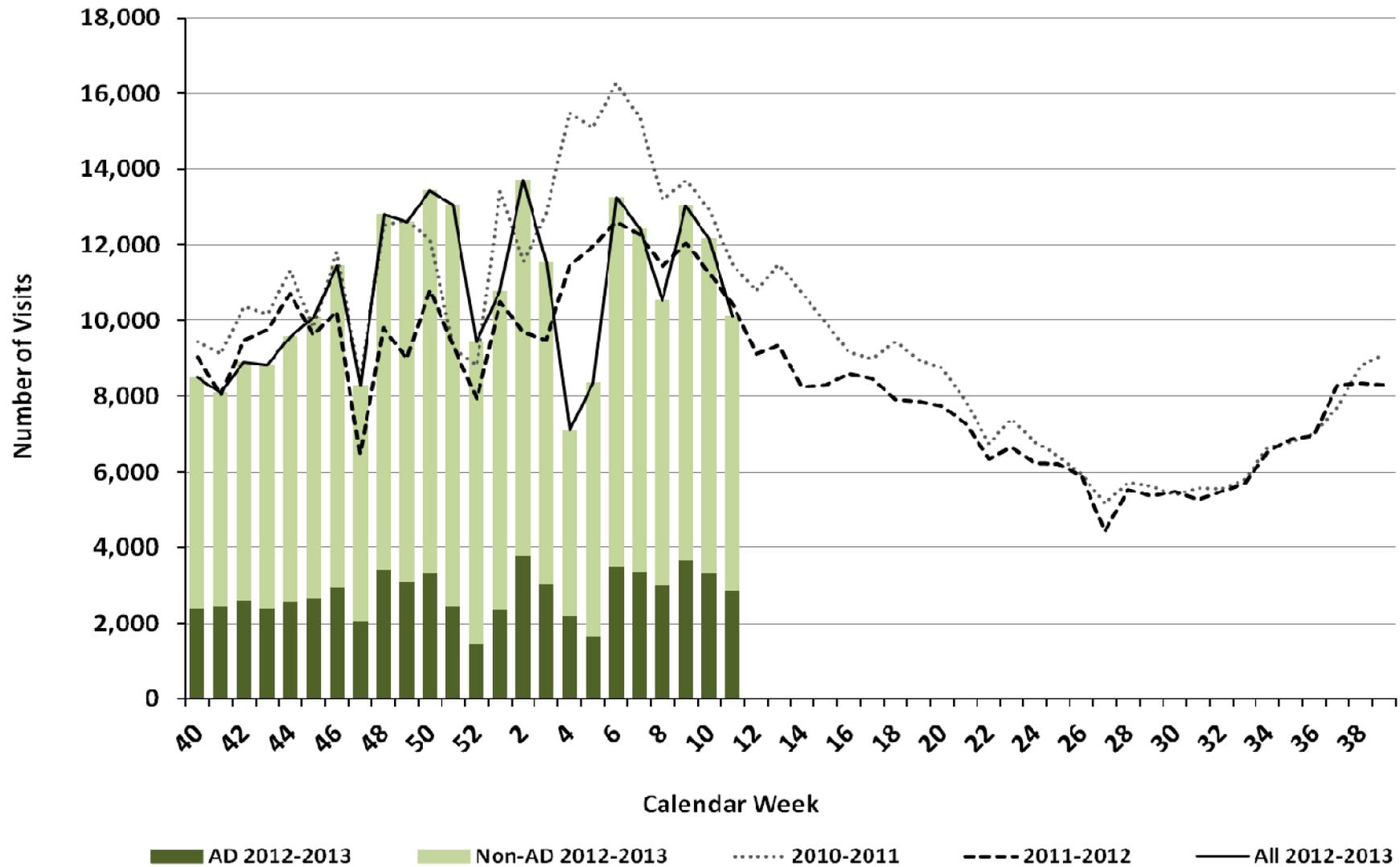
http://www.who.int/influenza/surveillance_monitoring/updates/latest_update_GIP_surveillance/en/index.html

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2012-13 and Selected Previous Seasons



ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

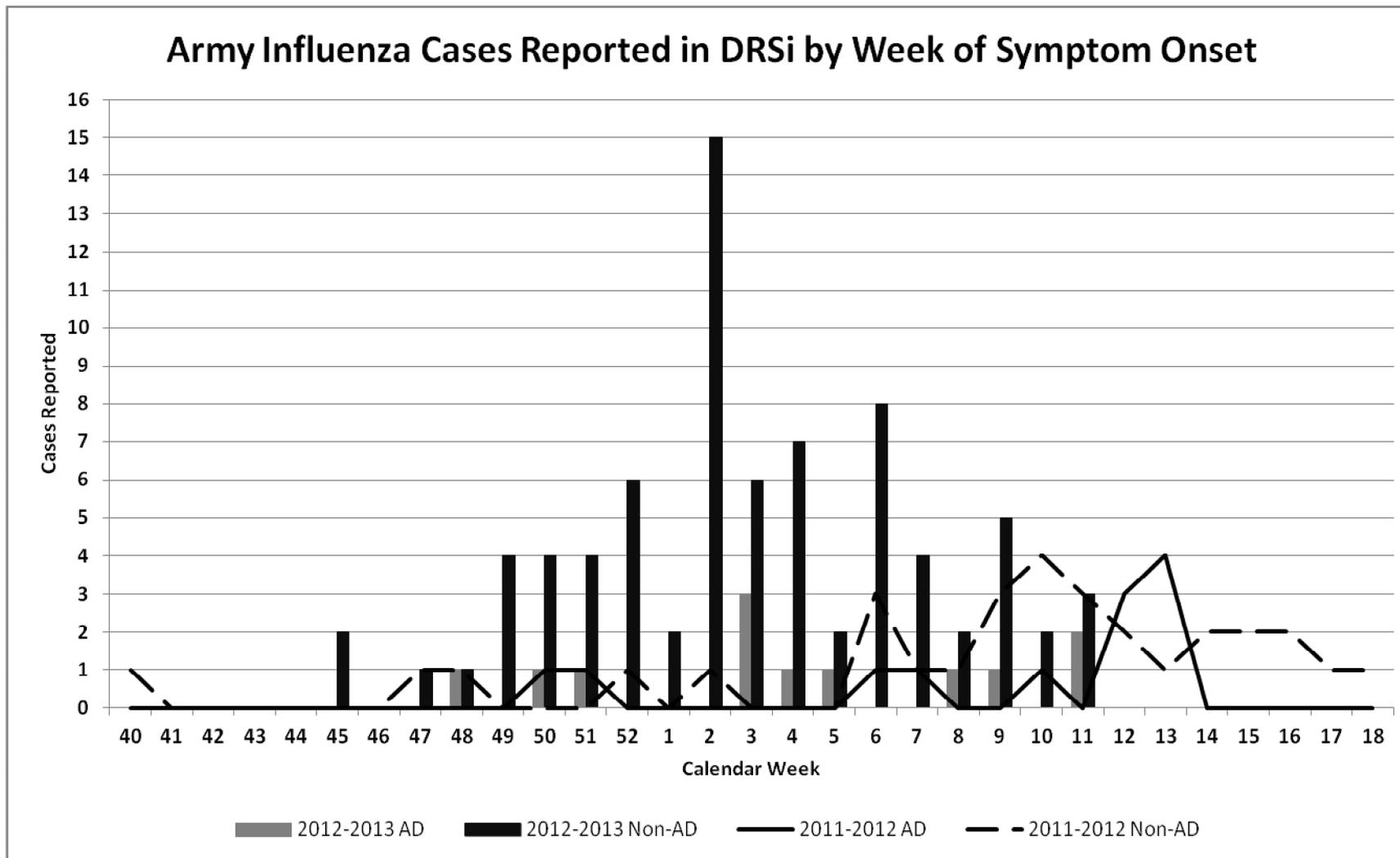
Army MTFs, All Services, 2010-2013



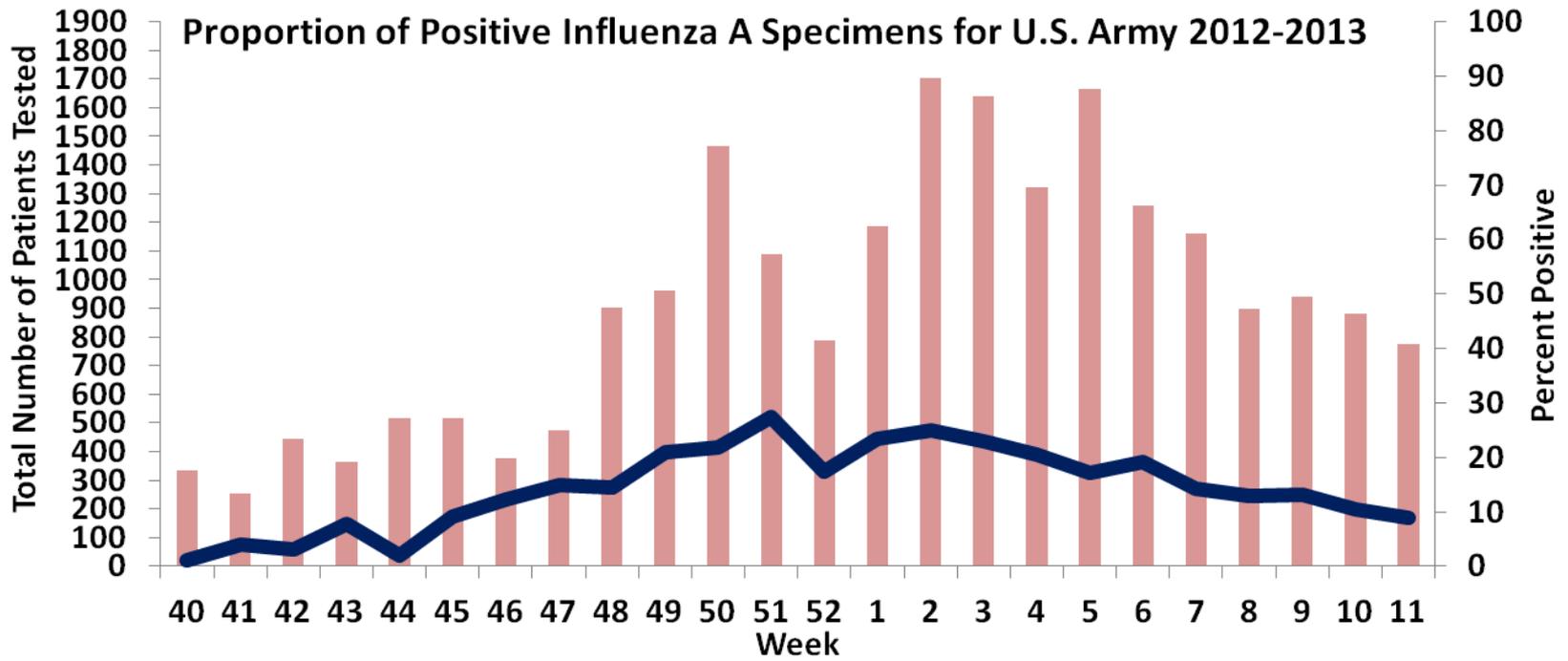
Clinic visits for ILI are obtained from ESSENCE. Data as of 19 March 2013.

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Total Results	1135	1251	1190	1066	4642



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 19 March 2013.



Positive Respiratory Specimen Results from Army MTFs by Virus, 2012-2013 Influenza Season

