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U.S. Army Influenza Activity Report

Week Ending 02 February 2013 (Week 5)

2012-2013 Seasonal Influenza Vaccination Coverage

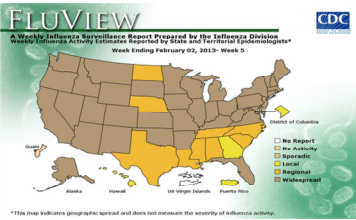
As of 29 JAN 2013

96%	DOD
97%	Army Active Duty
92%	Army Guard
83%	Army Reserve

SYNOPSIS: During week 5, civilian influenza-like illness activity continues decreasing, although it remains above baseline. Activity continues shifting westward. CDC reports civilian hospitalizations continue to increase, while deaths are beginning to decrease compared to previous weeks.

- **ILI Activity:** Data unavailable.
- **Influenza cases:** 1 dependent hospitalized influenza case was reported to USAPHC in week 5. 60 hospitalized cases have been reported during this influenza season, 53 in dependents and 7 in Active Duty.
- **Acute Respiratory Disease at BCT sites:** While ARD rates remain low at all Army BCT sites, surveillance testing in weeks 2 & 3 detected influenza at Ft. Jackson (11/13 were A/H3) and Ft. Leonard Wood (3 A/H3).
- **Viral specimens:** During week 5, 561 of 1970 (28%) laboratory specimens tested were positive for respiratory pathogens. Influenza A accounted for 49% of positive specimens. Most of the influenza positive specimens were from SRMC (30%); 27% were from WRMC, and 18% from ERMC.

Geographic Spread

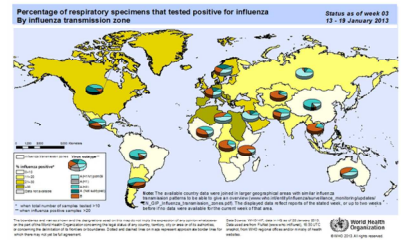


United States

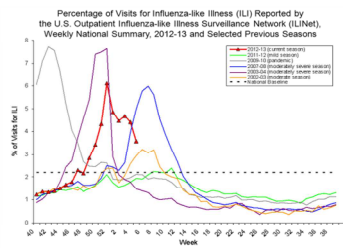
- During week 5, 47 states reported widespread and regional activity. Puerto Rico, D.C., Georgia, and Hawaii reported only local flu activity, while Delaware and Guam reported sporadic activity.

Global

- In Europe, influenza detections have been increasing, although declines were seen in some northwestern countries. Activity increased in temperate Asian countries and remained low in tropical areas. Overall activity decreased in North Africa and the Middle East.

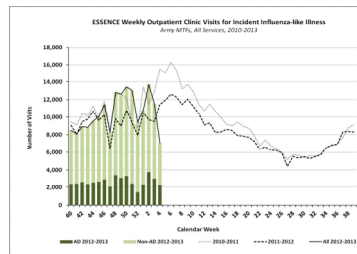


ILI Activity United States



- For week 5, 3.6% of outpatient visits reported through ILINet were due to ILI, which is above the national baseline of 2.2%.
- All 10 regions reported a proportion of outpatient visits for ILI above their specific baselines.
- As in week 4, the percentage of ILI outpatient visits ranged from 2.1 to 5.7% across regions.

ILI Activity Army



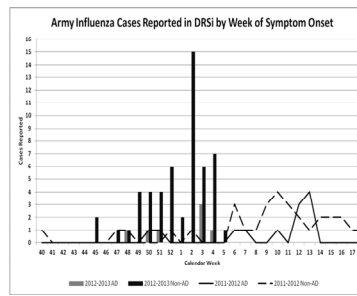
- No updates available due to technical issues at ESSENCE with their data feeds.
- To recap, during week 4, ILI visits decreased from the previous week, were 37% lower than the same week last year, and 54% lower than during the 2010-2011 season.

Laboratory Respiratory Specimen Testing

Test Result	Week 2	Week 3	Week 4	Week 5	Total
Influenza A	425	375	273	273	1346
Influenza B	82	104	91	117	394
Adenovirus	14	10	8	13	45
Enterovirus	0	0	3	0	3
Parainfluenza	27	23	19	17	86
RSV	110	111	88	141	450
Negative	1278	1261	1080	1409	5028
Total Results	1936	1884	1562	1970	5382

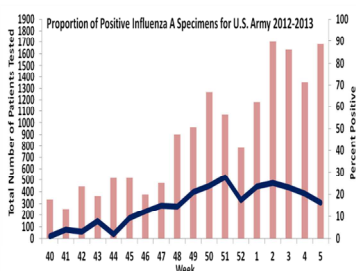
- 28% (561) of respiratory specimens were positive during week 5; influenza A accounted for 49% of positive specimens.
- RSV accounted for 25% of positive specimens, and influenza B for 21%.
- Parainfluenza accounted for 3% of positive specimens, and adenovirus for 2%.

DRSi Influenza Case Reporting



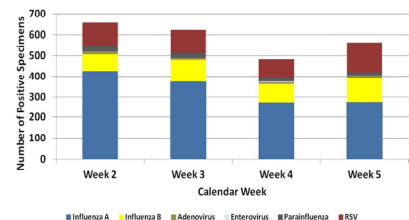
- 1 dependent hospitalized for influenza was reported in DRSi in week 5.
- A total of 60 hospitalized influenza cases have been reported this season for the US Army, 53 in dependents and 7 in AD SMs.
- Per current reporting guidelines, only hospitalizations in patients < 65 years old are reportable.

Laboratory Testing for Influenza A



- The proportion of positive influenza A tests in week 5 (16%) decreased slightly from week 4 (20%).
- 204 of the 273 (75%) positive influenza A specimens in week 5 were from non-AD personnel.
- 83 (30%) of the 273 positive influenza A specimens were from SRMC, 73 (27%) were from WRMC, and 49 (18%) were from ERMC.
- NRMC and PRMC reported 37 (14%) and 31 (11%) influenza A cases, respectively.

Positive Respiratory Specimen Results from Army MTFs by Virus, 2012-2013 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; ARD-Acute Respiratory Disease; NHRC- Naval Health Research Center; ADV-Adenovirus; RSV-Respiratory Syncytial Virus; DEP- Disease Epidemiology Program; SM-Service Member

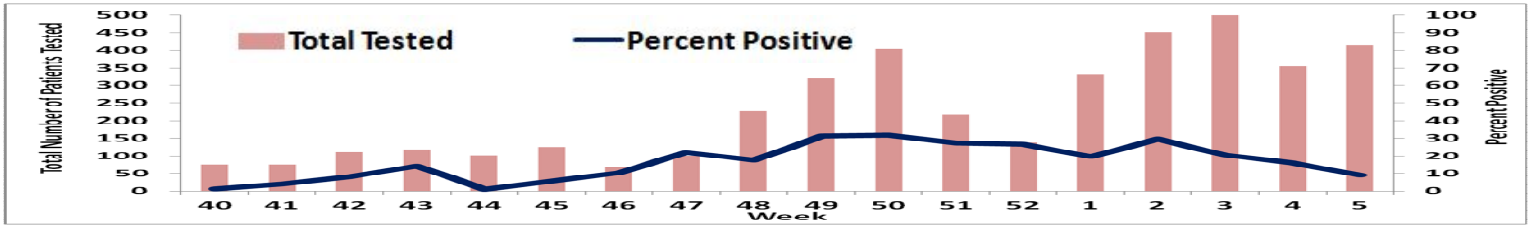
Questions?

Email USAPHC-DEP
410-417-3774

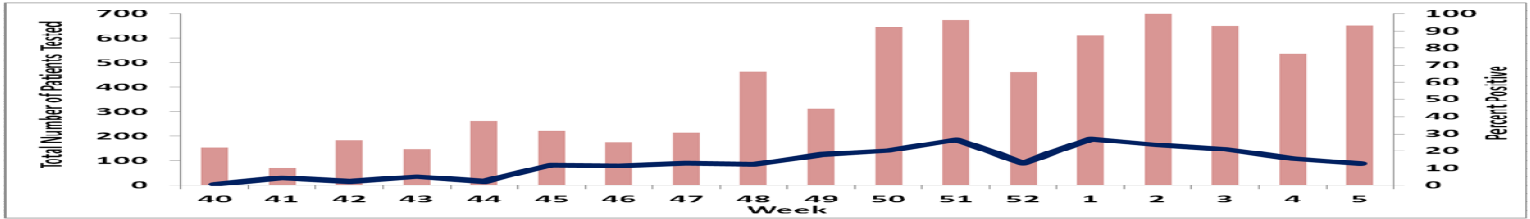
U.S. Army Influenza Activity Report

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

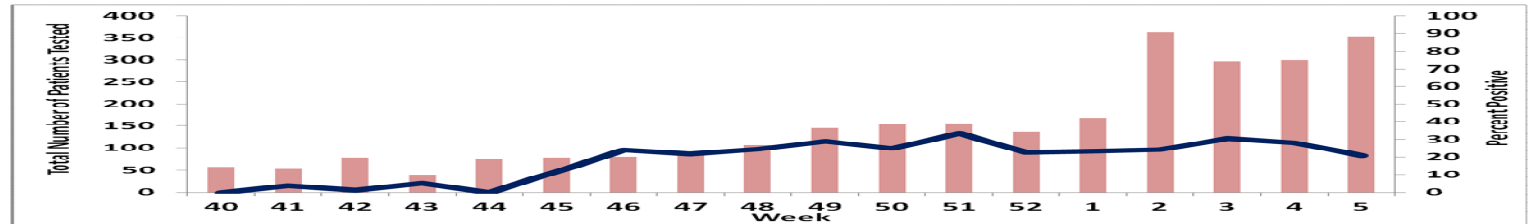
Northern Regional Medical Command (NRMC)



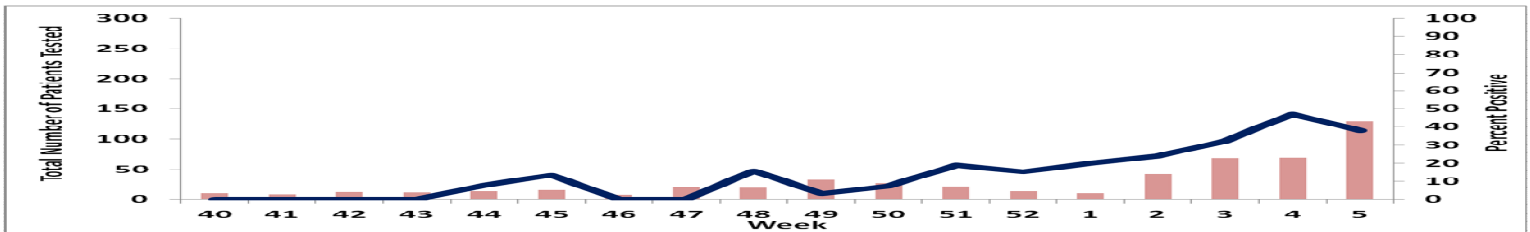
Southern Regional Medical Command (SRMC)



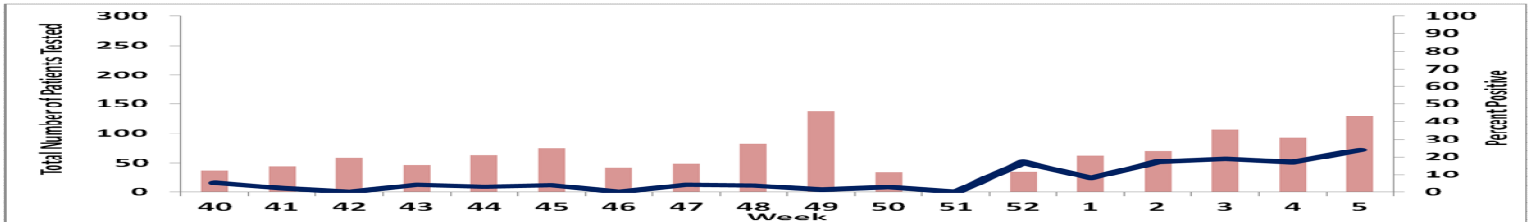
Western Regional Medical Command (WRMC)



European Regional Medical Command (ERMC)



Pacific Regional Medical Command (PRMC)



Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 50		Week 51		Week 52		Week 1		Week 2		Week 3		Week 4		Week 5	
	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	33	95	13	47	8	29	22	43	52	82	52	53	27	30	15	22
SRMC	15	115	23	156	10	50	37	128	55	128	23	116	19	64	13	70
WRMC	4	34	8	44	8	23	10	29	19	67	23	68	20	64	18	55
ERMC	0	2	2	2	1	1	1	1	4	6	5	17	11	22	14	35
PRMC	1	0	0	0	1	5	1	4	5	7	4	16	5	11	9	22

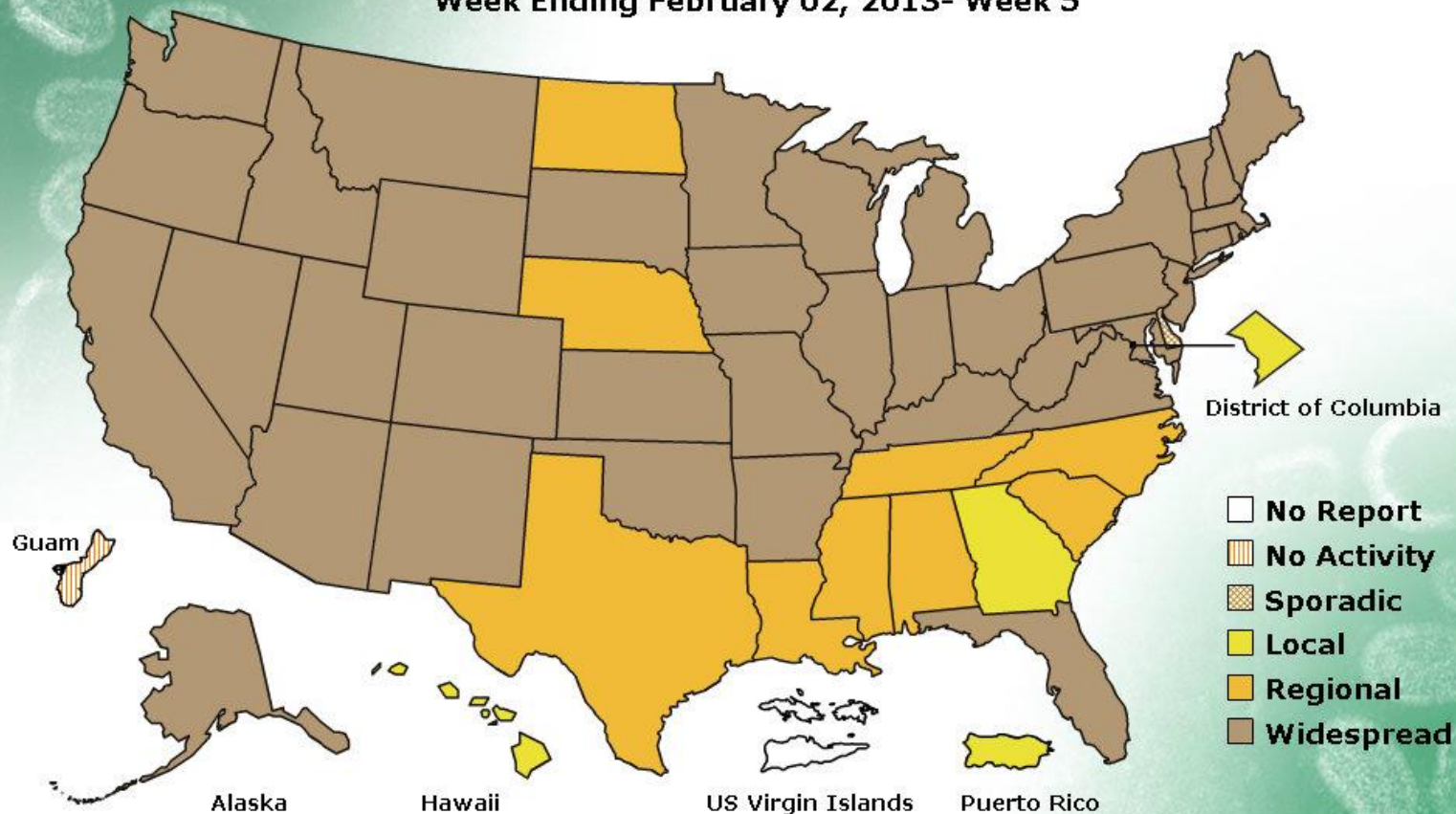
Locations providing week 5 laboratory data as of 6 February 2013: Korea, Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Irwin, Ft Jackson, Ft Knox, FT Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, Redstone Arsenal, and Tripler

FLUVIEW



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

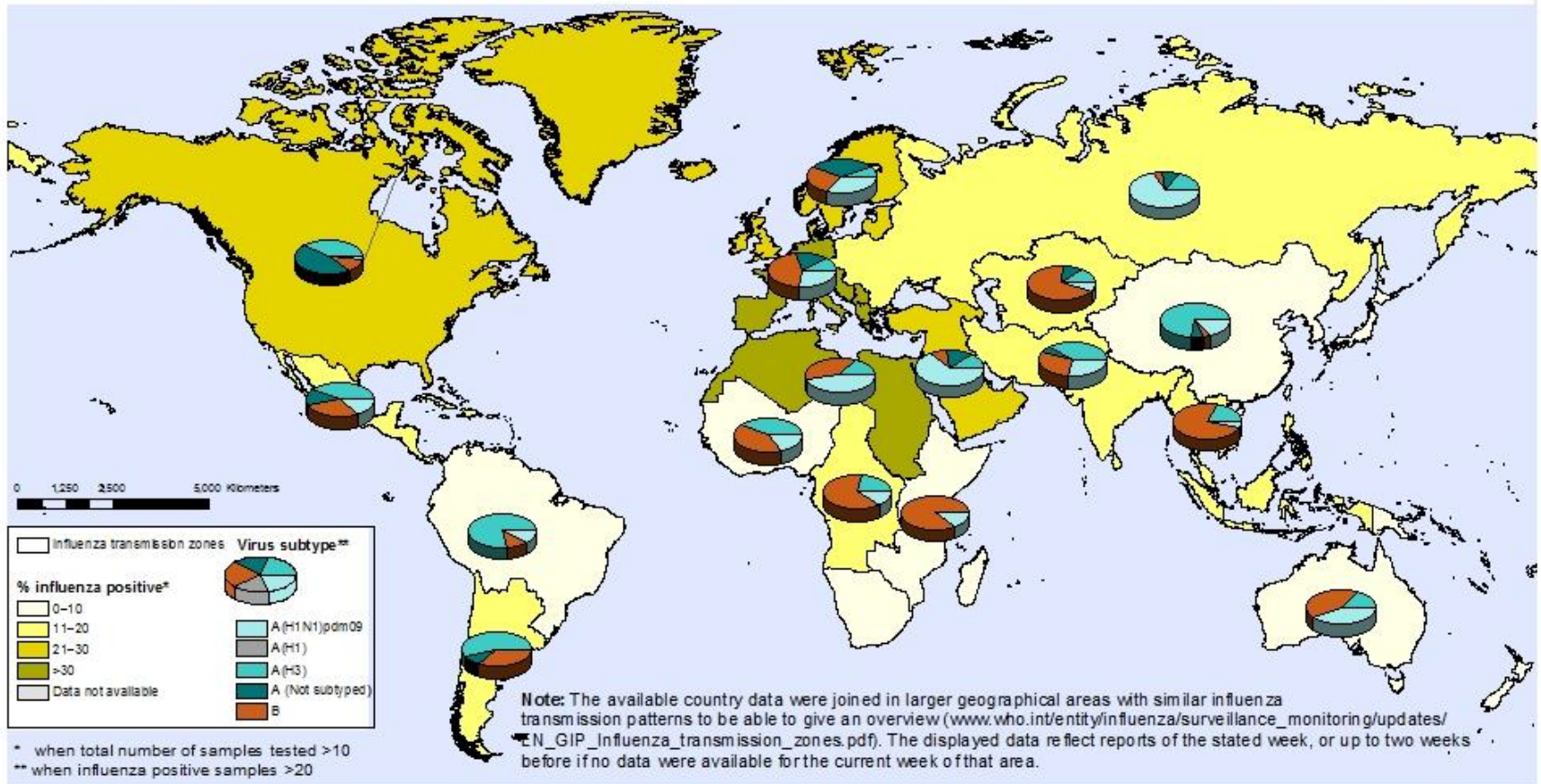
Week Ending February 02, 2013- Week 5



*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 03
13 - 19 January 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.

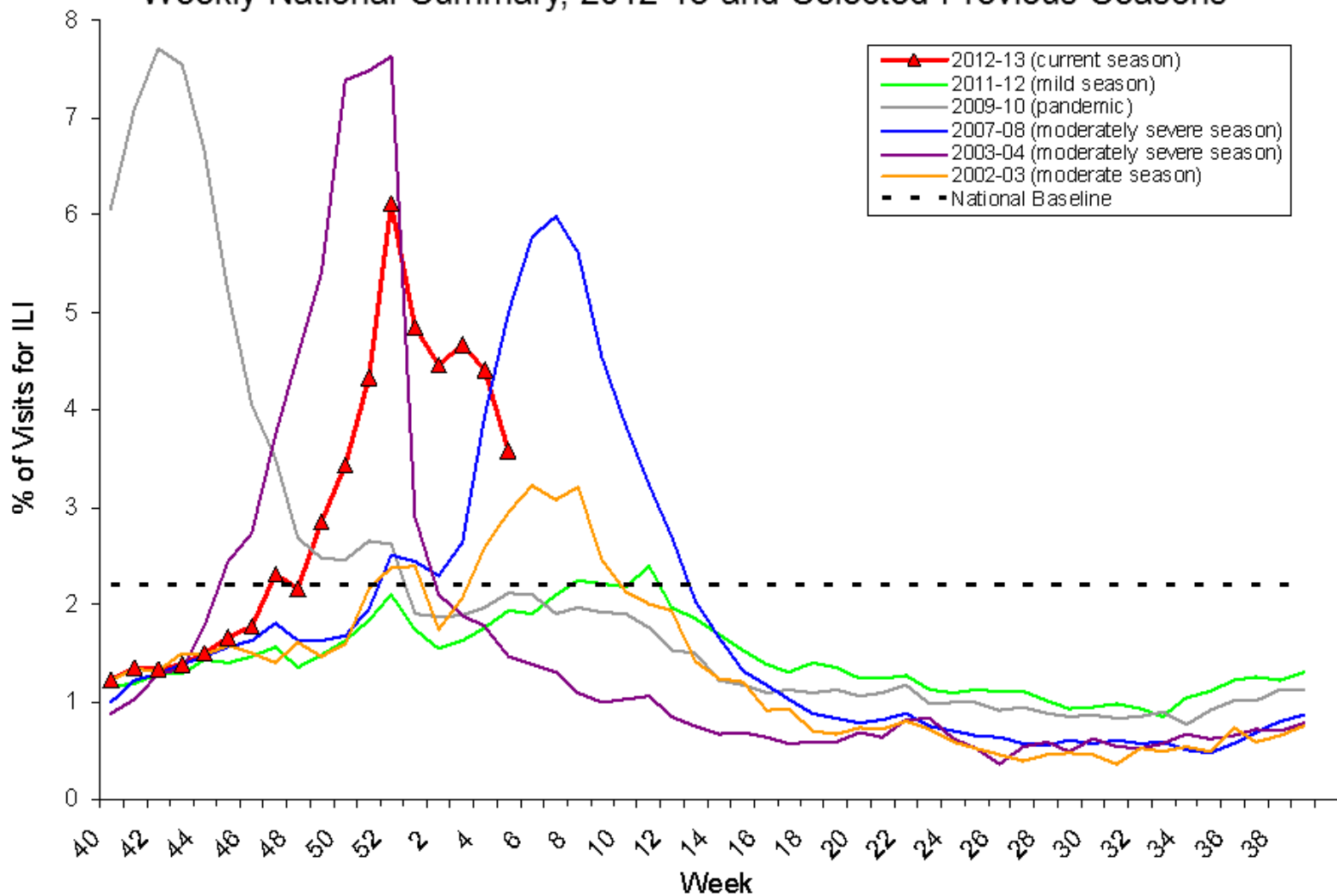
Data Source: WHO/HIP, data in HQ as of 28 January 2013.
Data used are from FluNet (www.who.int/flu-net), 16:50 UTC snapshot, from WHO regional offices and/or ministry of health websites.

 **World Health Organization**
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http://www.who.int/influenza/gisrs_laboratory/updates/summaryreport/en/index.html

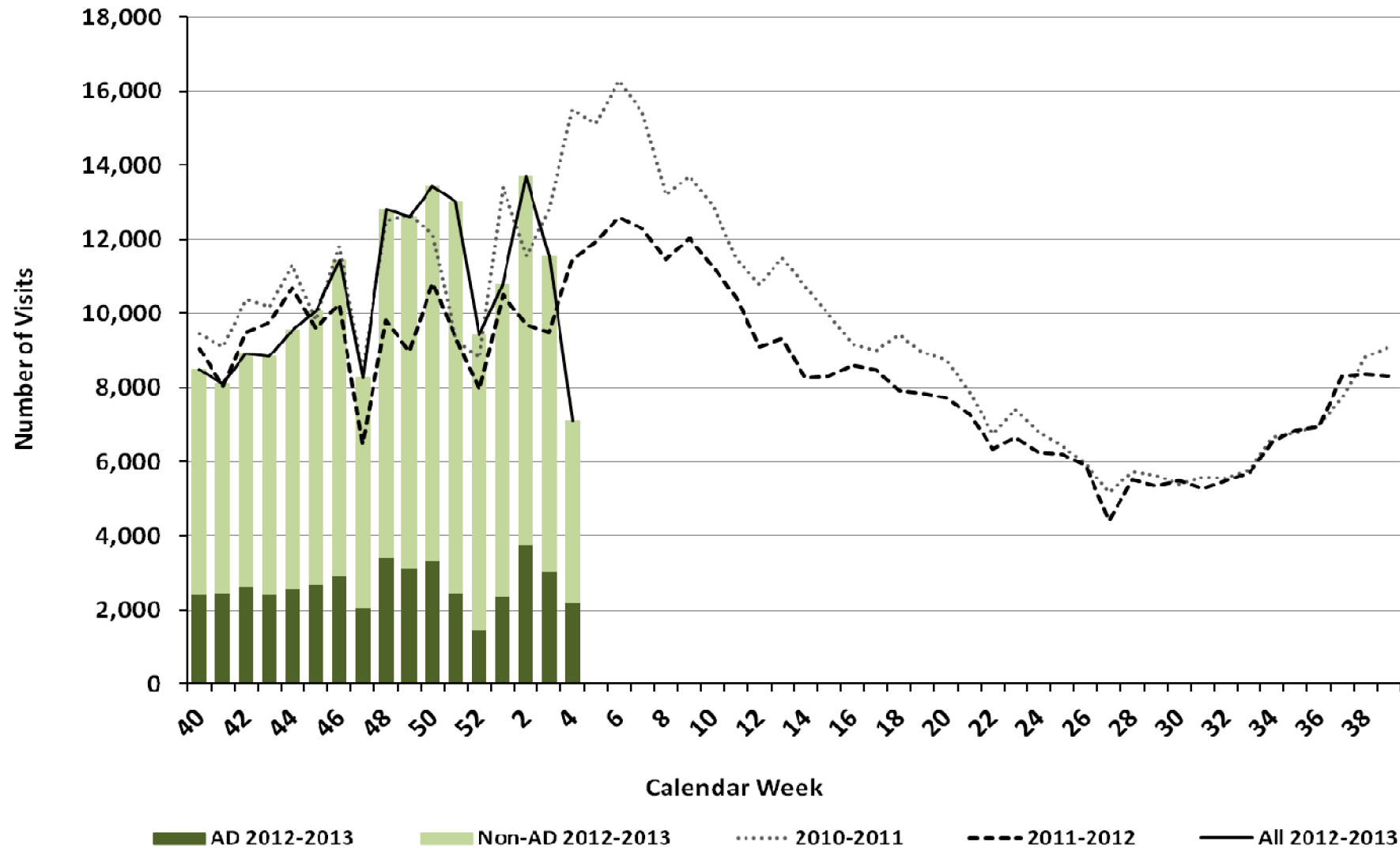
http://www.who.int/influenza/surveillance_monitoring/updates/latest_update_GIP_surveillance/en/index.html

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

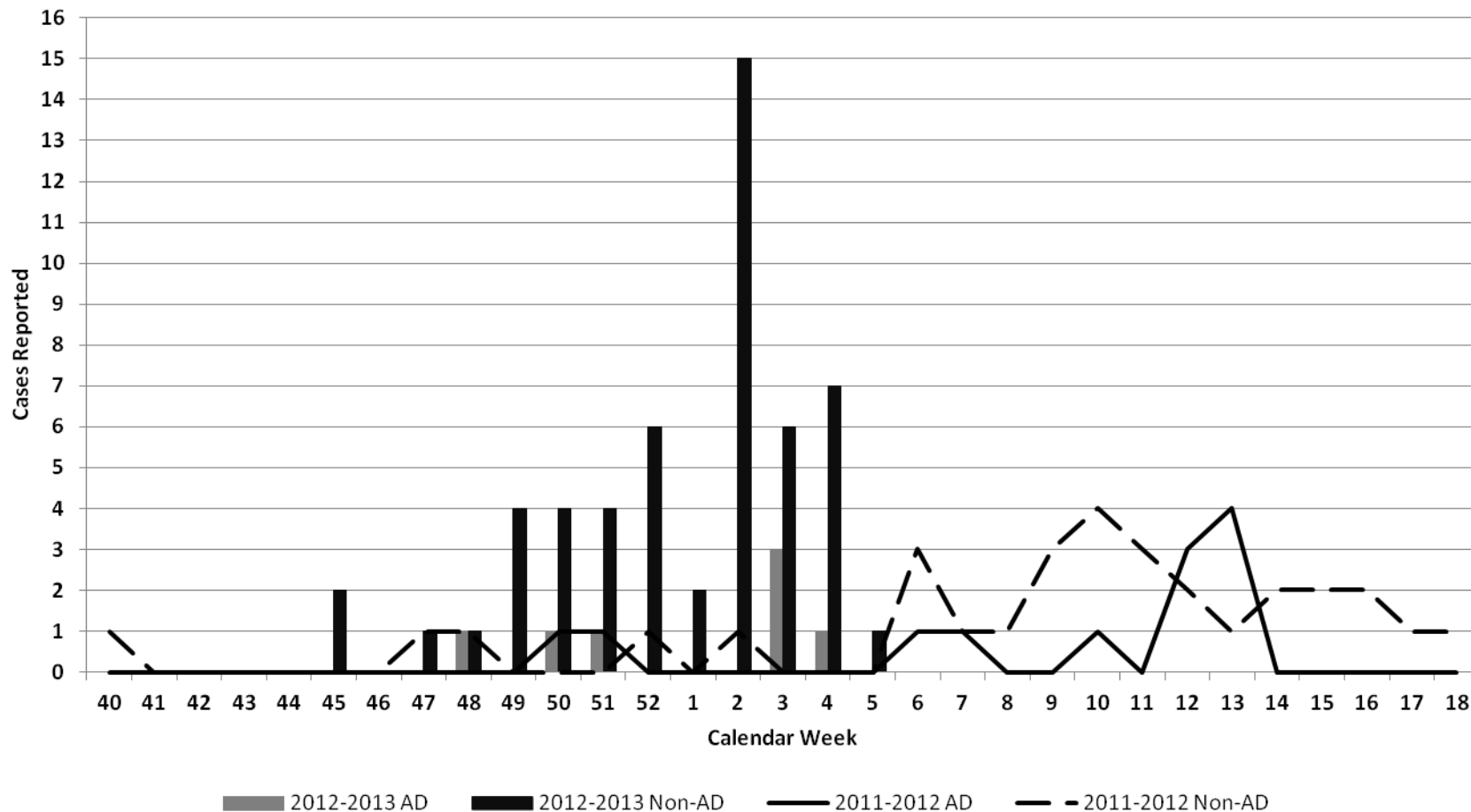


Clinic visits for ILI are obtained from ESSENCE. Data as of 29 January 2013.

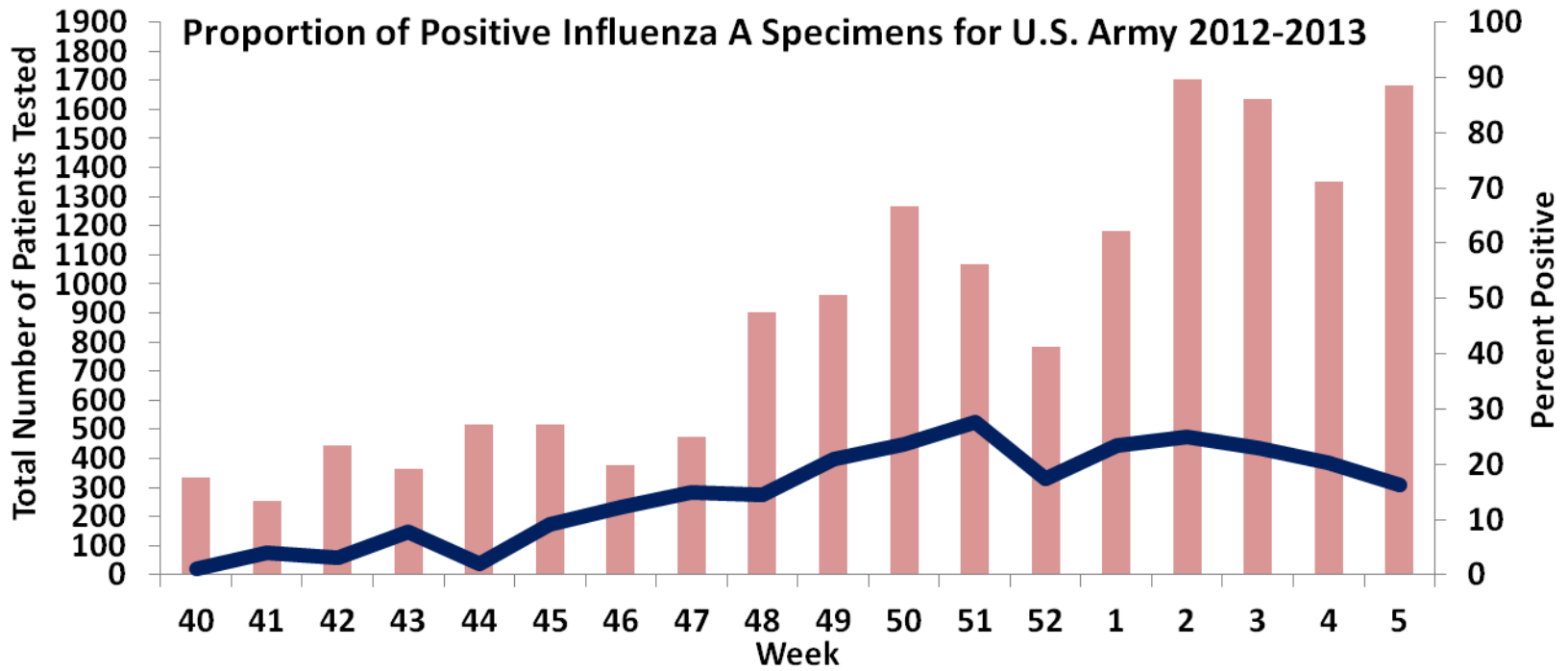
Army MTF Laboratory Results, 2012-13

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Total Results	1936	1884	1562	1970	5382

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 06 February 2013.



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

