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U.S. Army Influenza Activity Report

Week Ending 8 December 2012 (Week 49)

2012-2013 Seasonal Influenza Vaccination Coverage

As of 11 DEC 2012

93%	DOD
95%	Army Active Duty
88%	Army Guard
74%	Army Reserve

SYNOPSIS: Influenza activity remains high for this time of year; 18 states report widespread activity. Vaccination efforts should continue. WRMC and NRMCM saw the highest proportion of positive Influenza A specimens.

- **ILI Activity:** Army incident ILI outpatient visits in week 49 were 7% higher than the same week last year.
- **Influenza cases:** Three hospitalized influenza cases were reported in DRSi in week 49. A total of eight hospitalized cases have been reported during this influenza season.
- **Acute Respiratory Disease at BCT sites:** ARDS rates remain lower at all Army BCT sites compared to the same period last year. Despite high civilian rates in the southeast, no increased influenza activity has been noted in trainees.
- **Viral specimens:** During week 49, 237 of 784 (30%) clinical specimens tested were positive for respiratory pathogens. Influenza A accounted for 71% of positive specimens.

Geographic Spread

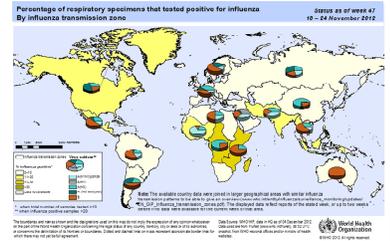


United States

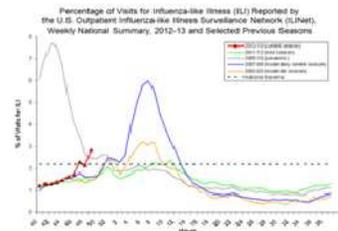
- During week 49, widespread activity was noted in 18 states, which is an increase from last week (8); 28 states and Washington DC report regional or local activity.
- 4 states and Guam report sporadic activity.

Global

- Canada and the United States of America crossed their seasonal threshold, and influenza activity continues to increase in Europe.

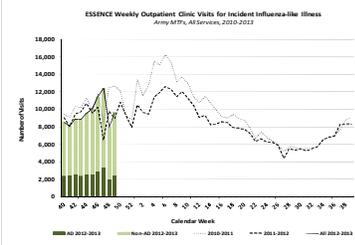


ILI Activity United States



- For week 49, 2.8% of outpatient visits reported through ILINet were due to ILI, which is above the national baseline of 2.2%.
- The percentage of ILI outpatient visits ranged from 1.2 to 4.8% across regions.
- 7 out of 10 regions reported percentages above the national baseline.

ILI Activity Army



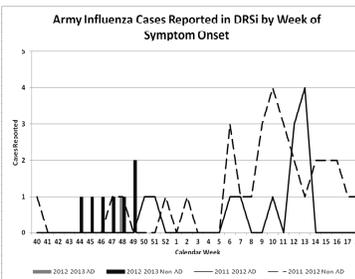
- During week 49, incident ILI activity was 7% higher than at the same time last year, but 24% lower than during the 2010-2011 season.
- Active Duty (AD) Service Members (SMs) accounted for 26% of incident ILI clinic visits during week 49; in 2011-2012, AD SMs comprised 37% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Test Result	Week 46	Week 47	Week 48	Week 49	Total
Influenza A	43	71	111	168	393
Influenza B	3	7	19	15	44
Adenovirus	6	3	8	6	23
Enterovirus	1	0	3	1	5
Parainfluenza	18	13	25	17	73
RSV	43	36	55	30	164
Negative	393	465	649	547	2054
Total Results	507	595	870	784	1972

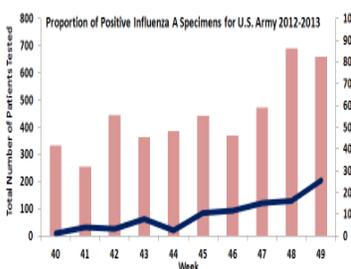
- 26% of respiratory specimens were positive during week 49.
- Influenza A accounted for 71% of positive specimens.
- RSV accounted for 13% of positive specimens and parainfluenza accounted for 7%.
- 6% of specimens were positive for Influenza B; only 3% were positive for adenovirus.

DRSi Influenza Case Reporting



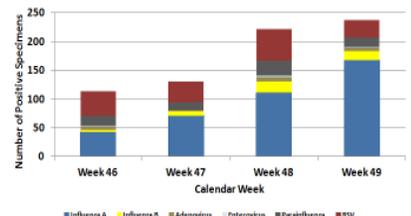
- Three cases of hospitalized influenza were reported in DRSi in week 49: a retiree, a spouse, and a dependent child. None had been vaccinated.
- A total of 8 influenza admissions have been reported this season. This reflects corrected DRSi submissions; previous entries had erroneously included ER visits that did not result in patient admission.

Laboratory Testing for Influenza A



- The proportion of positive influenza A tests increased from week 48 (16%) to week 49 (26%).
- 145 of the 168 (86%) positive influenza A specimens were from non-AD personnel.
- 96 (57%) of the 168 positive influenza A specimens were from NRMCM, 30 (18%) were from SRMCM, and 39 (23%) were from WRMCM.
- PRMCM had two positive specimens. ERMCM had one positive influenza A specimen.

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?

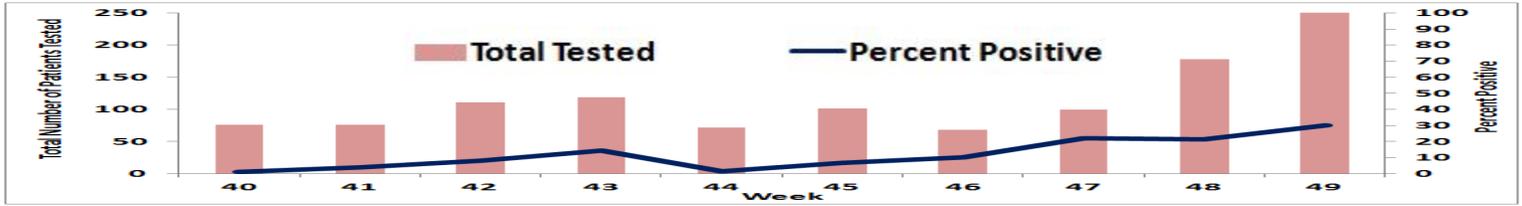
Email USAPHC-DEP
410-417-3774



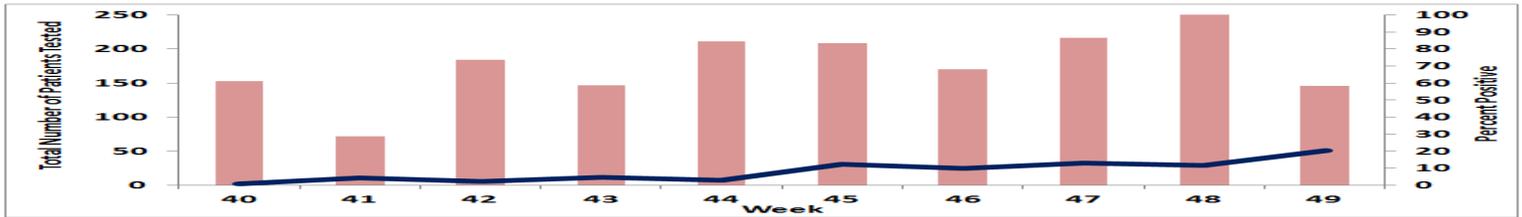
U.S. Army Influenza Activity Report

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

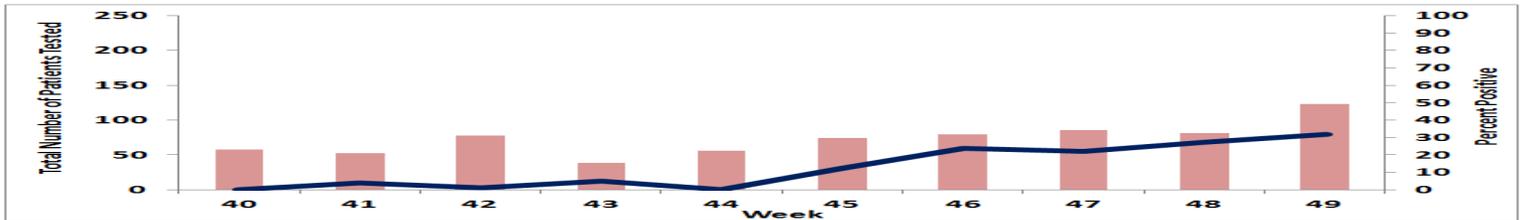
Northern Regional Medical Command (NRMC)



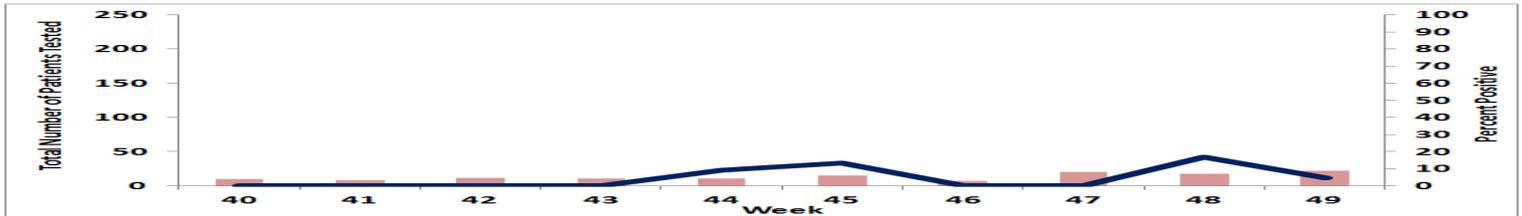
Southern Regional Medical Command (SRMC)



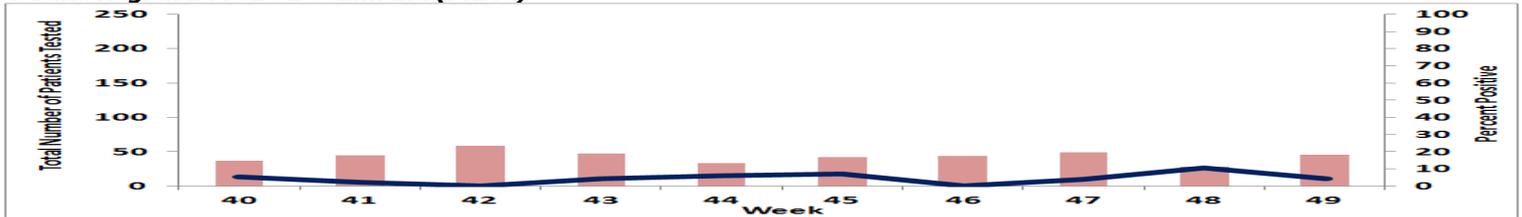
Western Regional Medical Command (WRMC)



European Regional Medical Command (ERMC)



Pacific Regional Medical Command (PRMC)



Region	Number of Positive Influenza A Specimens by Duty Status and Region															
	Week 42		Week 43		Week 44		Week 45		Week 46		Week 47		Week 48		Week 49	
	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	2	7	2	15	1	0	0	7	0	7	5	17	8	30	12	84
SRMC	1	3	0	7	3	3	4	22	4	13	4	24	11	33	3	27
WRMC	1	0	1	1	0	0	1	8	0	19	0	19	3	19	7	32
ERMC	0	0	0	0	1	0	1	1	0	0	0	0	2	1	0	1
PRMC	0	0	0	2	0	2	0	3	0	0	2	0	0	3	1	1

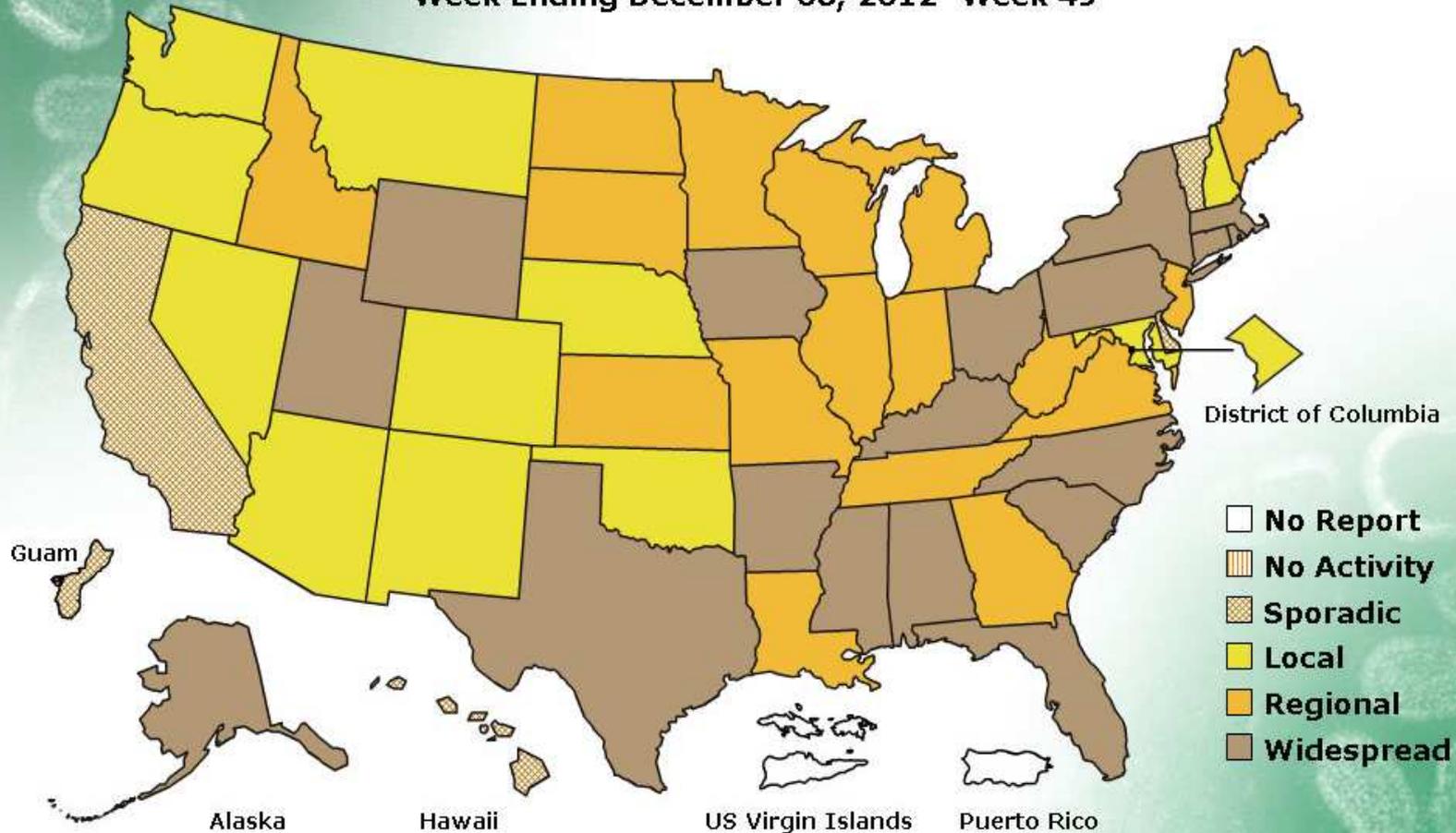
Locations providing week 49 laboratory data as of 12 December 2012: Korea, Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, FT Irwin, Ft Jackson, Ft Knox, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley Ft Rucker, Ft Sill, 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*

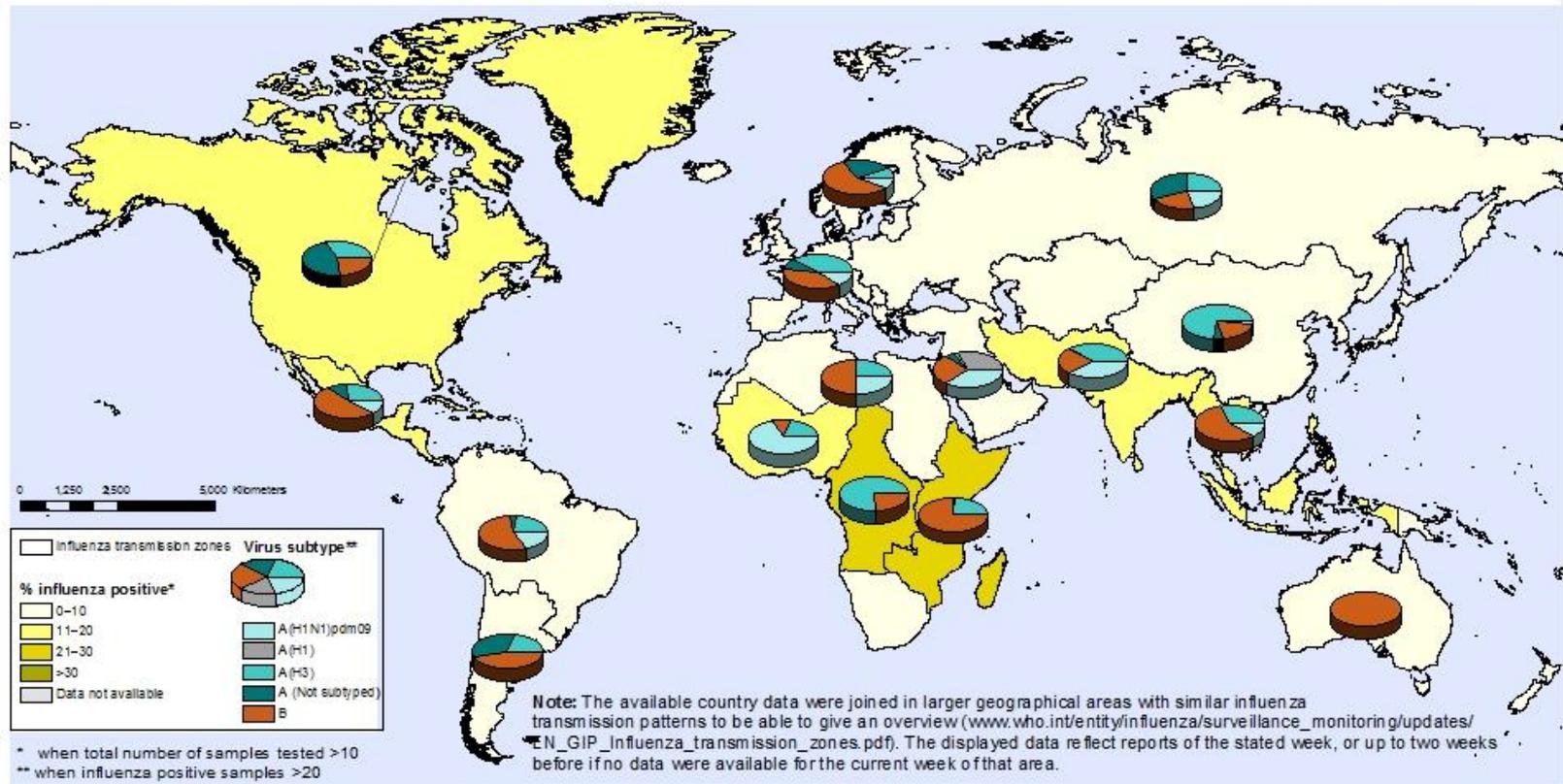
Week Ending December 08, 2012- Week 49



*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 47
18 – 24 November 2012



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 04 December 2012.
Data used are from FluNet (www.who.int/flu-net), 08:52 UTC snapshot, from WHO regional offices and/or ministry of health websites.

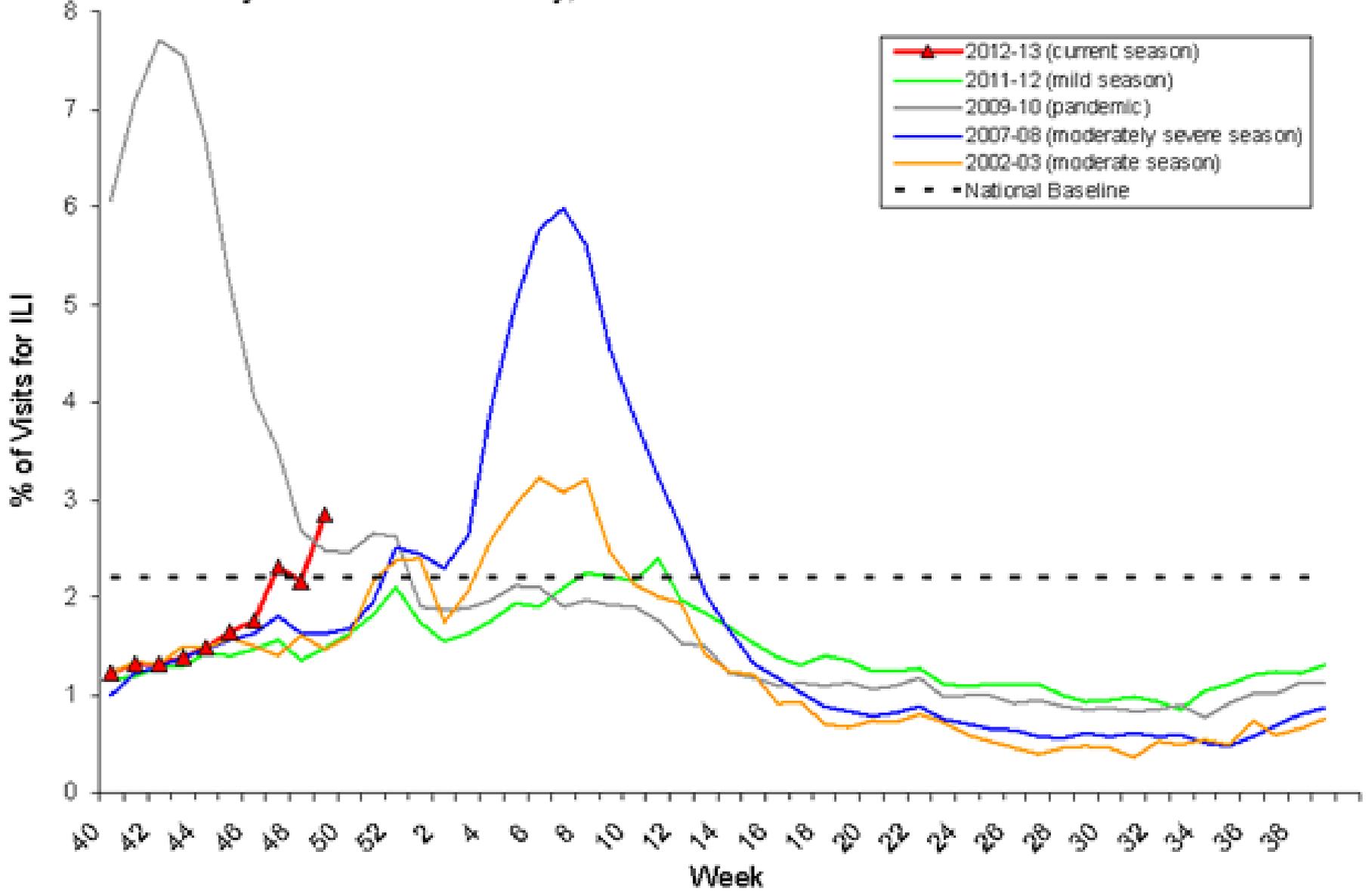


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http://www.who.int/influenza/gisrs_laboratory/updates/summaryreport/en/index.html

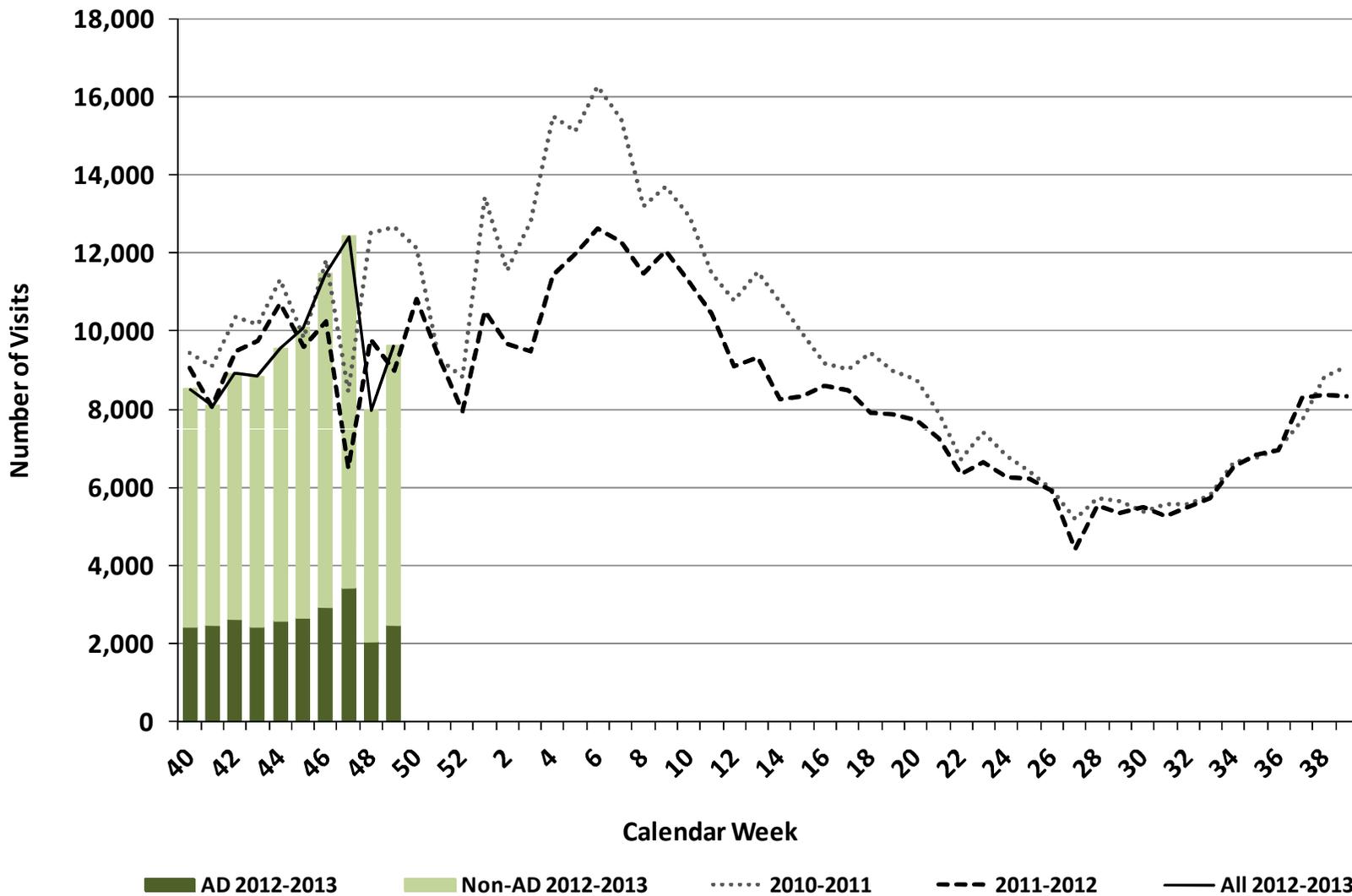
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Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2012-13 and Selected Previous Seasons



ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

Army MTFs, All Services, 2010-2013



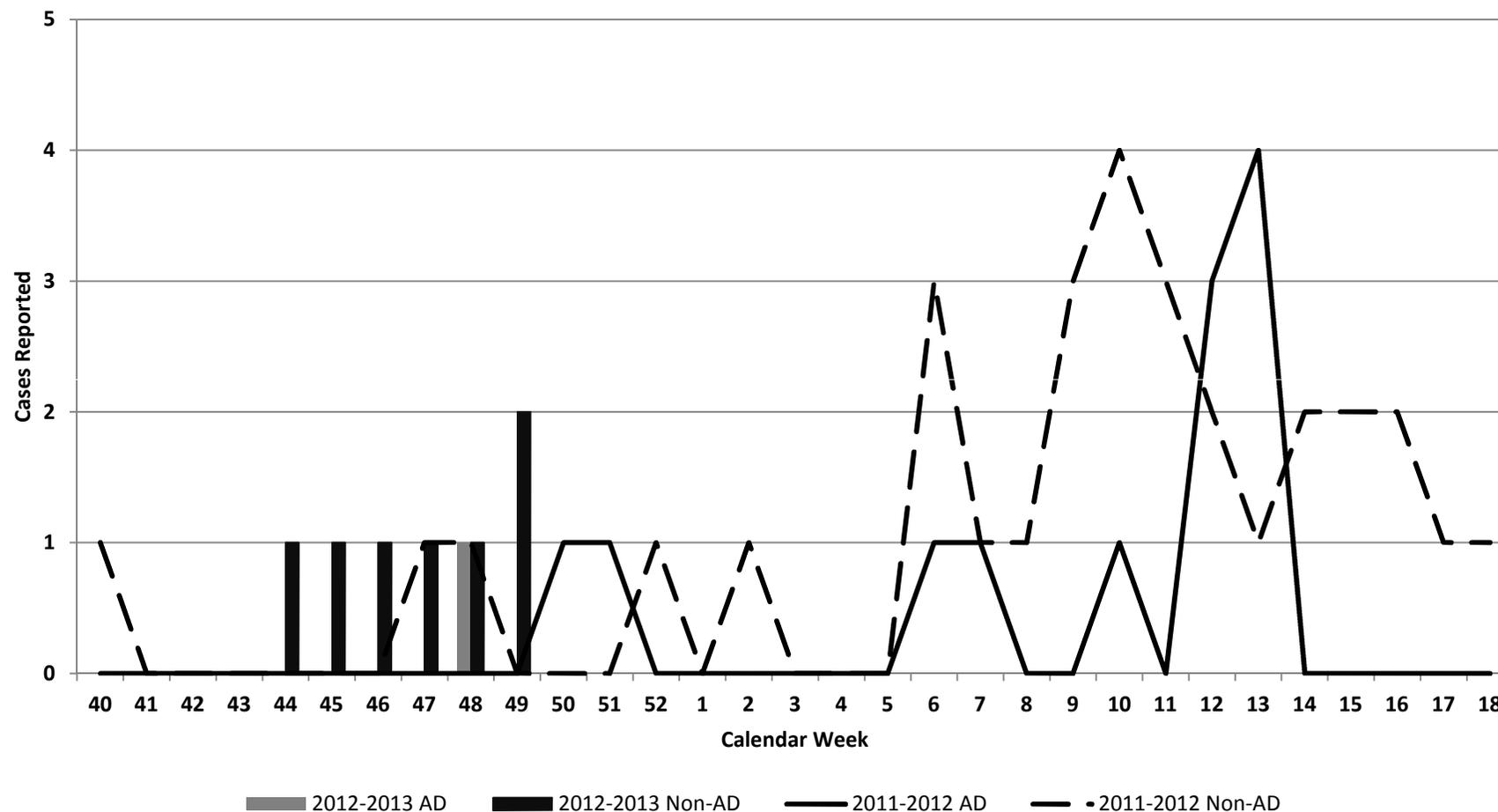
Clinic visits for ILI are obtained from ESSENCE. Data as of 12 December 2012.

Army MTF Laboratory Results, 2012-13

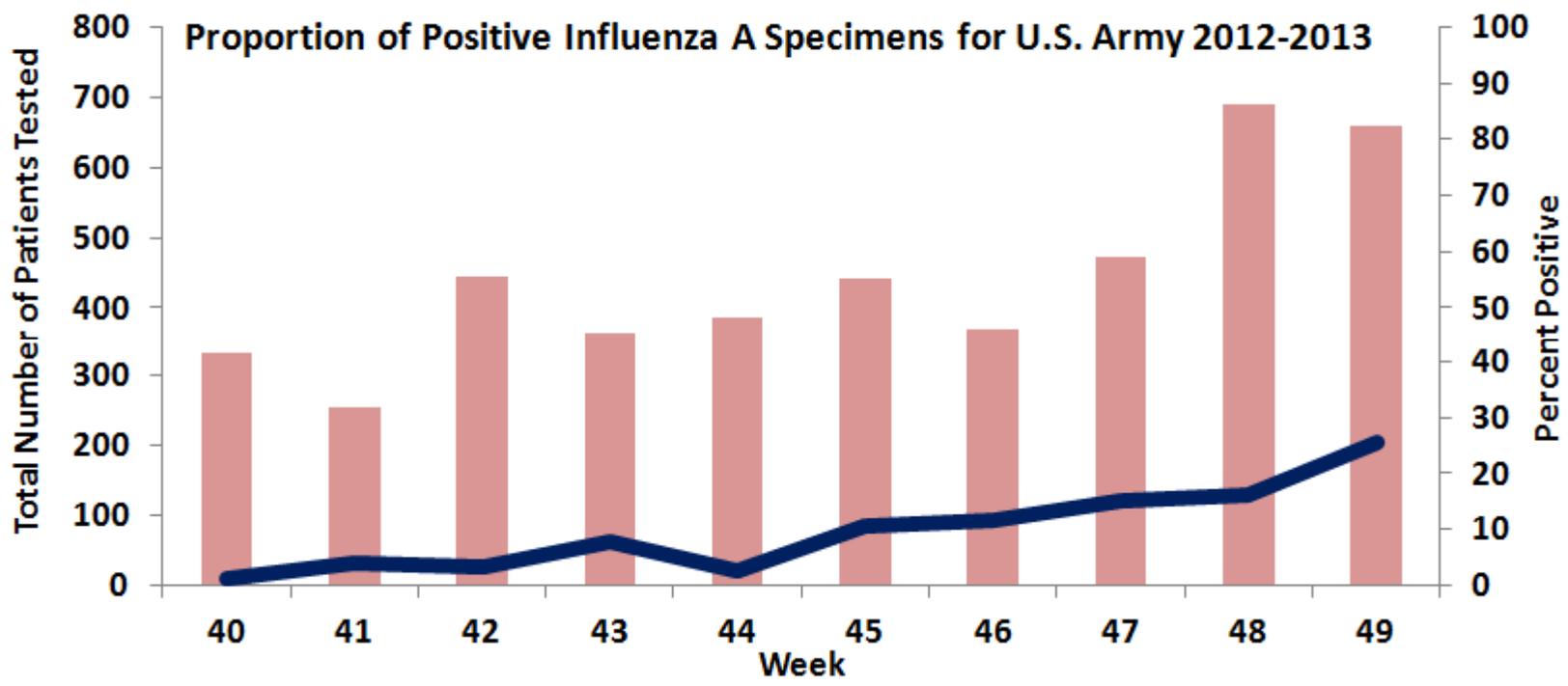
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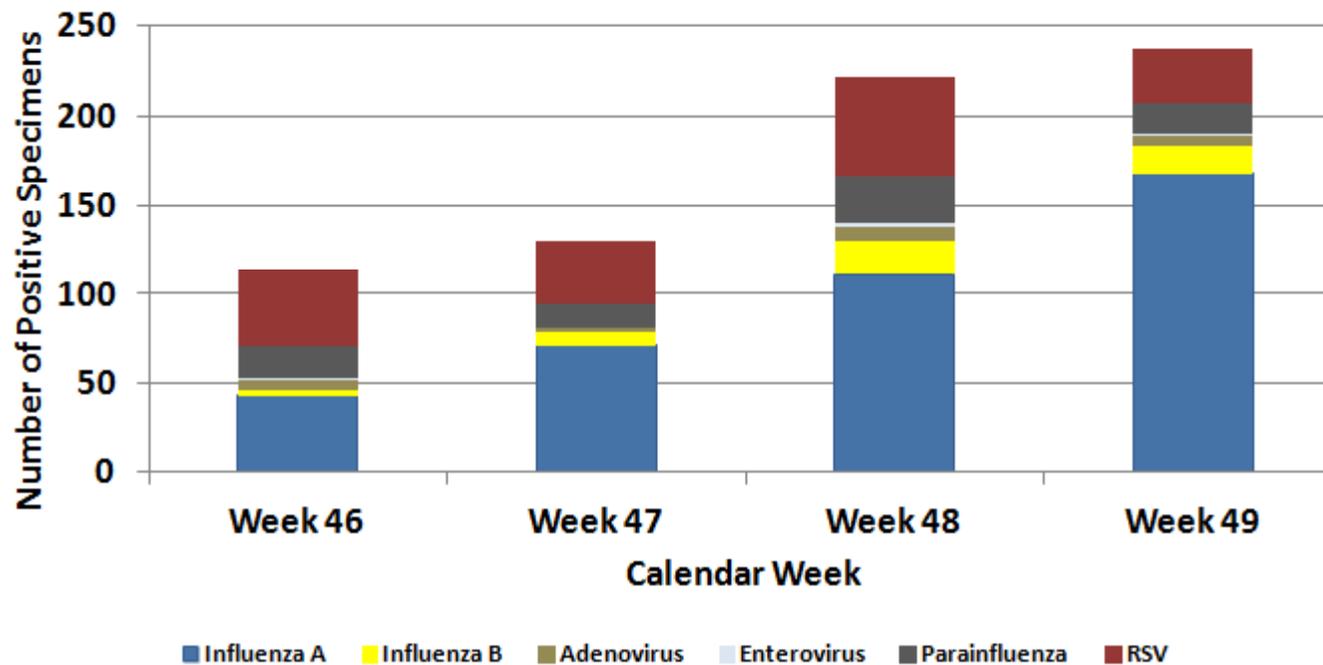
Army Influenza Cases Reported in DRSi by Week of Symptom Onset



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 11 December 2012.



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

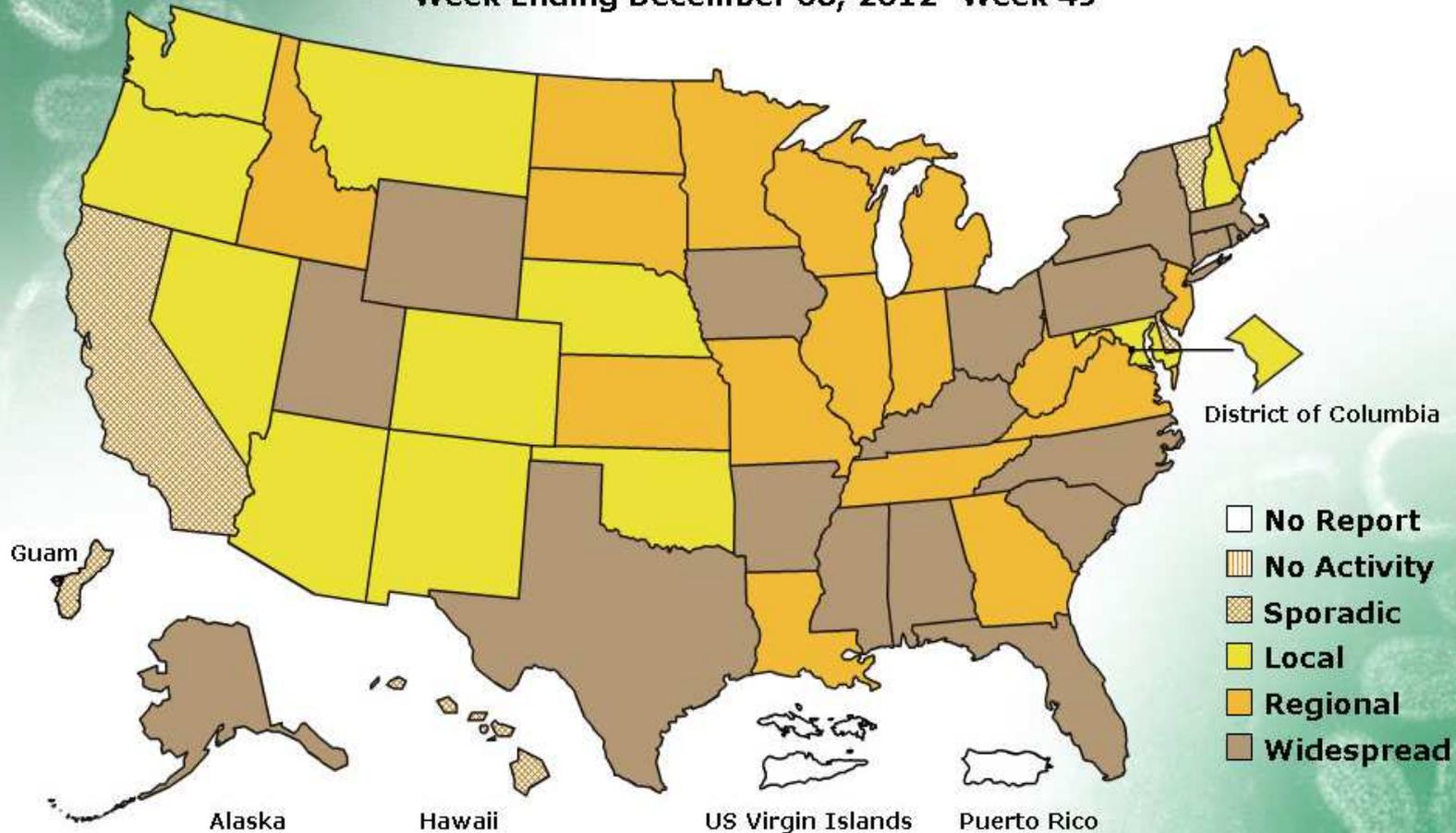


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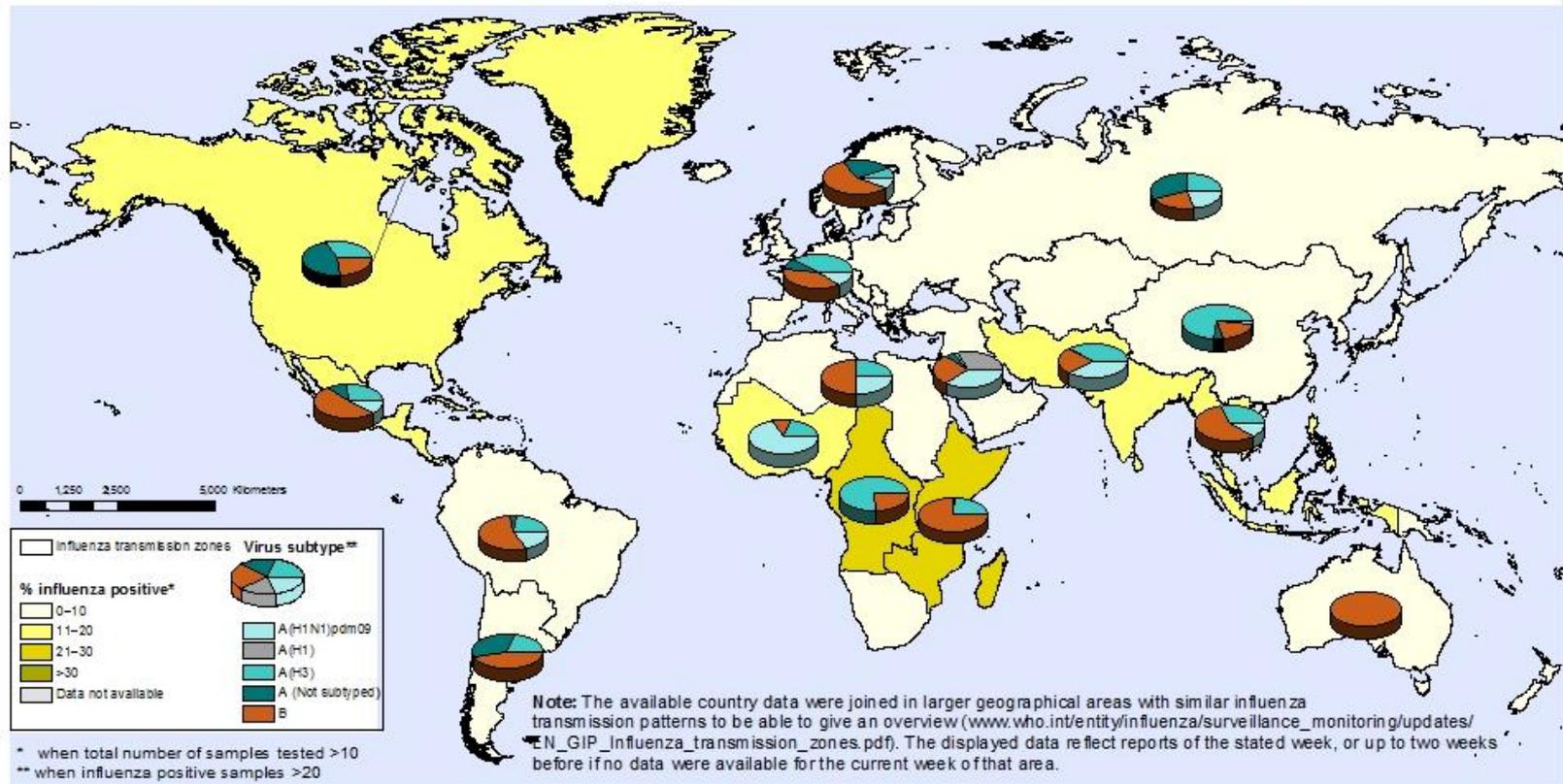
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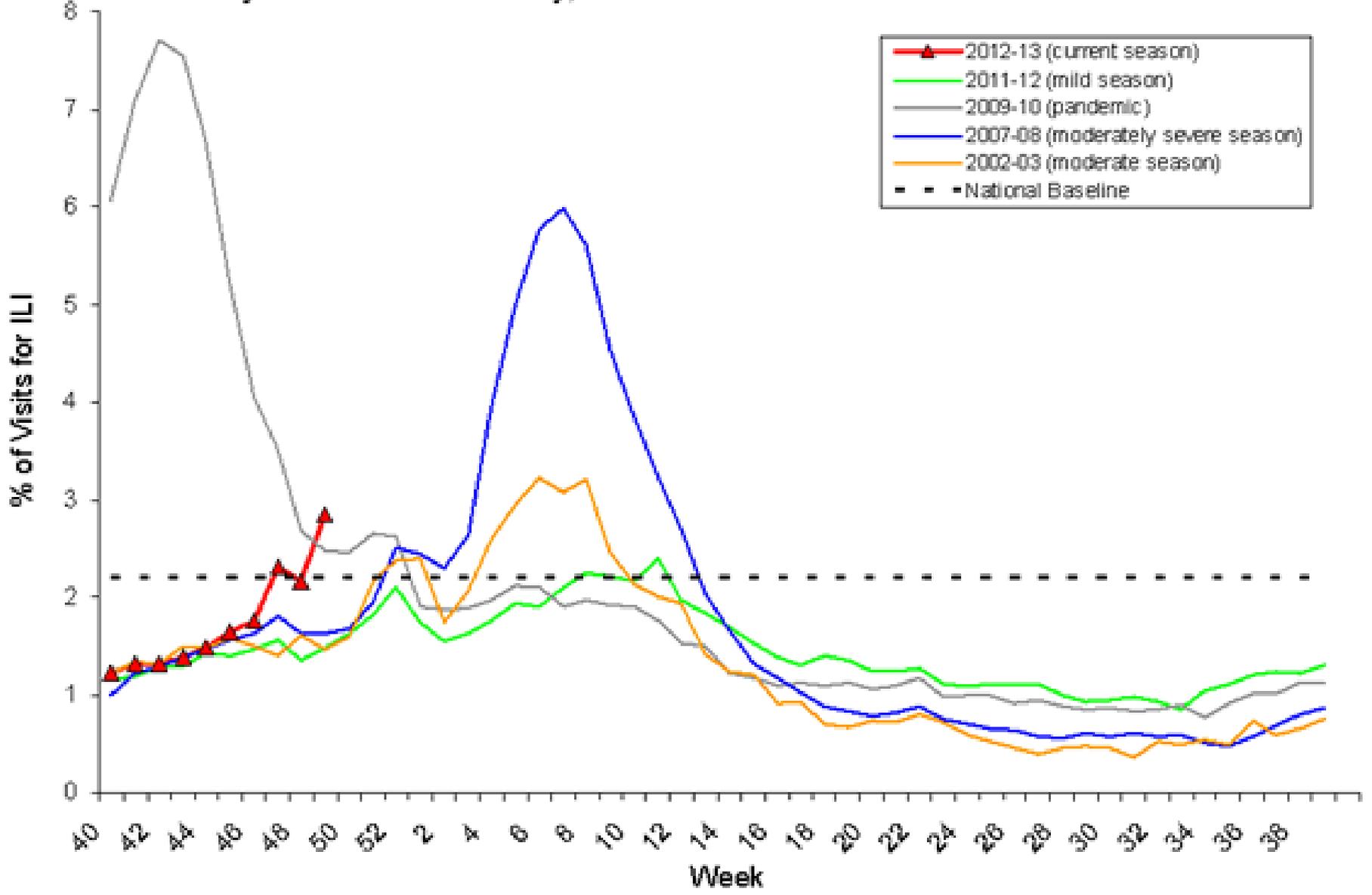


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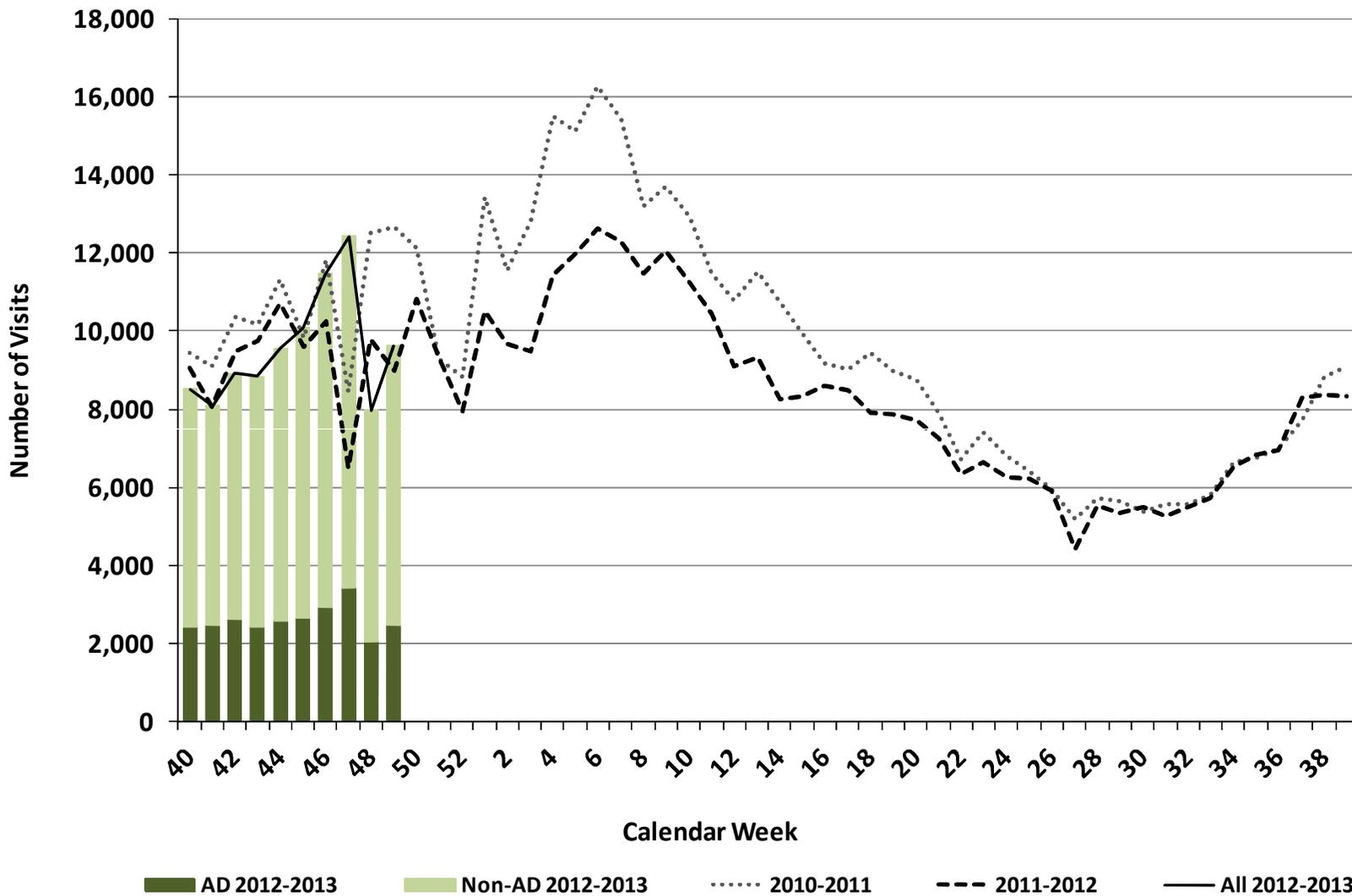
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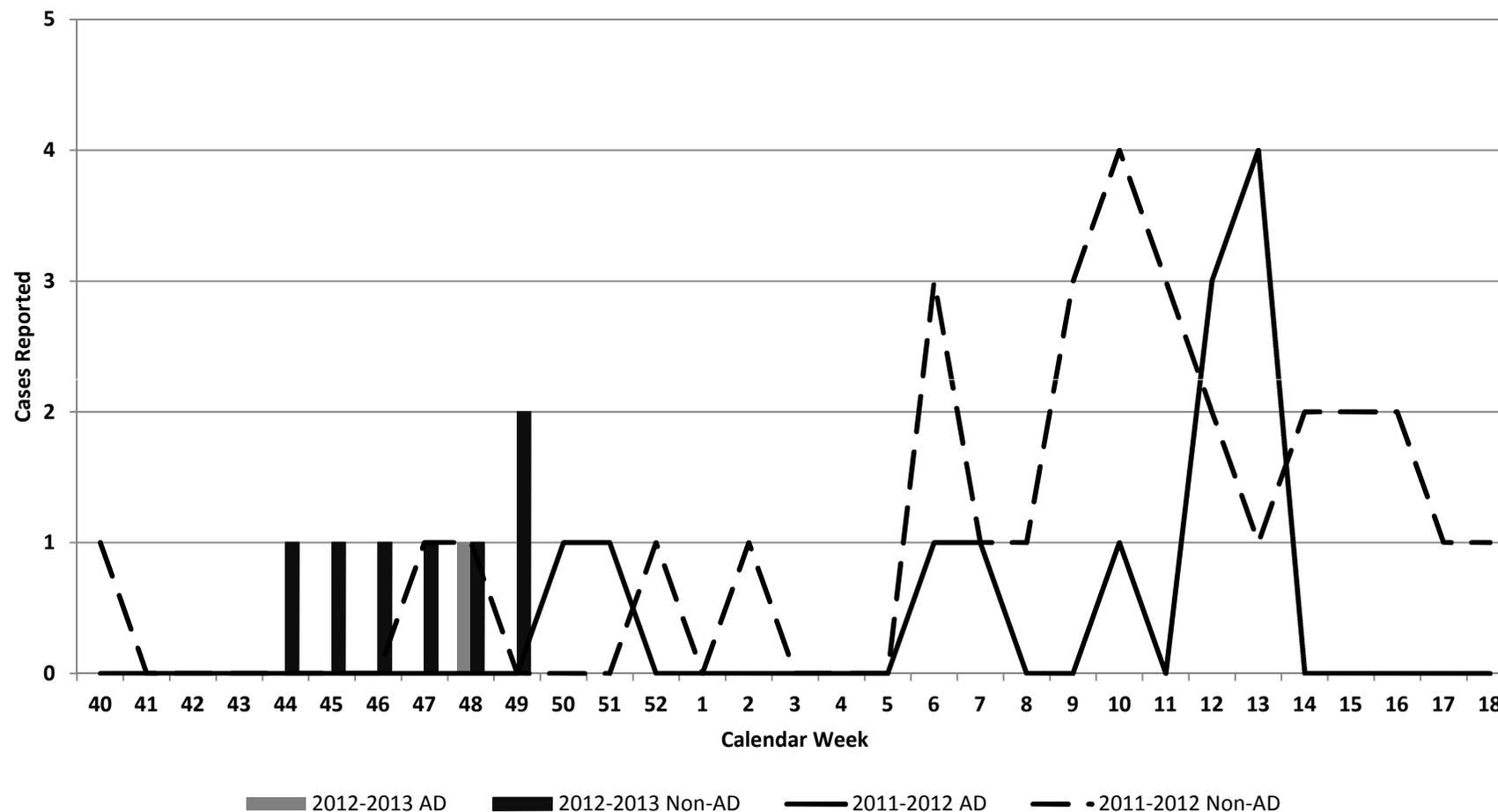
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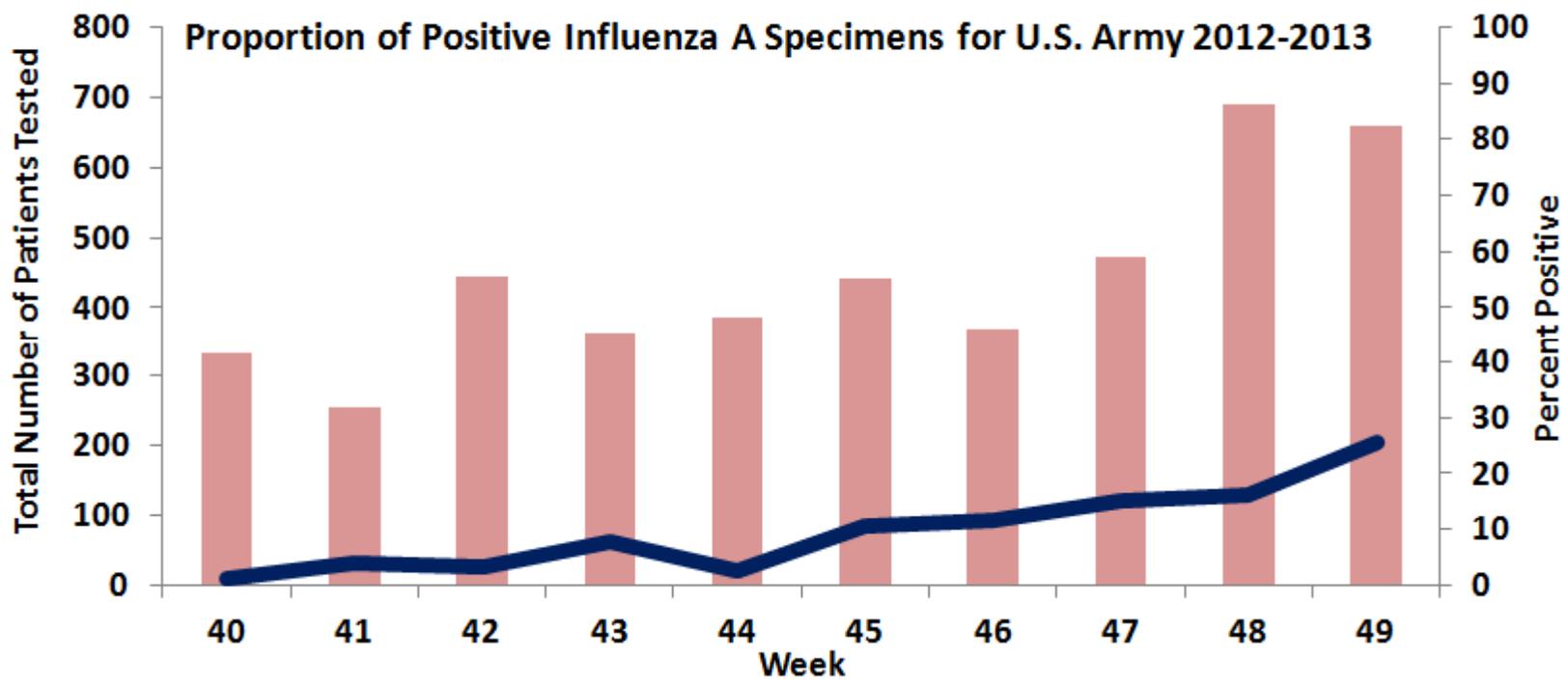
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