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U.S. Army Influenza Activity Report

Week Ending 19 October 2013 (Week 42)

2013-2014 Seasonal Influenza Vaccination Coverage

As of 22 OCT 2013

| | |
|-----|------------------|
| 60% | DOD |
| 50% | Army Active Duty |
| 18% | Army Guard |
| 19% | Army Reserve |

SYNOPSIS: Influenza-like illness (ILI) activity is low in both Army and civilian populations. All beneficiaries aged 6 months and older should receive this year's influenza vaccine, unless medically exempted.

- **ILI Activity:** Army incident ILI outpatient visits in week 42 were 34% lower than for the same week last year.
- **Influenza cases:** One hospitalized influenza case was reported to USAPHC in week 42, the only case reported to date during this influenza season for Army MTFs.
- **Acute Respiratory Disease at BCT sites:** ARD rates remain low; rates did not change significantly at any sites during week 42.
- **Viral specimens:** During week 42, 53 of 462 (11%) laboratory specimens tested were positive for respiratory pathogens. RSV accounted for 34% of positive specimens. The majority of influenza A-positive specimens were submitted by MTFs in SRMC.

Geographic Spread

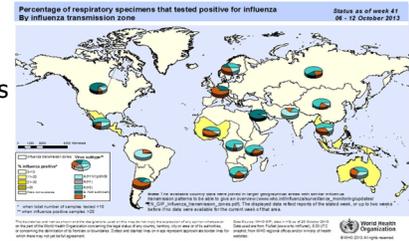


United States

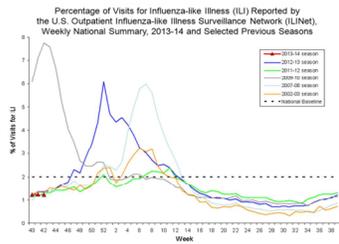
- During week 42, 28 states, Guam, and the District of Columbia reported sporadic influenza activity. 3 states reported local activity, and regional activity was reported by Puerto Rico. No influenza activity was reported by 19 states and the U.S. Virgin Islands.

Global

- Influenza detections in the northern hemisphere remain low. In most of Central and South America, RSV predominates; influenza A remains at low levels. In Asia, influenza activity remains variable.

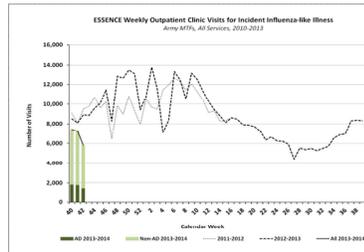


ILI Activity United States



- For week 42, 1.2% of outpatient visits reported through ILINet were due to ILI, which is below the national baseline of 2.0%.
- All 10 regions reported a proportion of outpatient visits for ILI below their specific baselines.
- The percentage of ILI outpatient visits ranged from 0.4 to 2.6% across regions.

ILI Activity Army



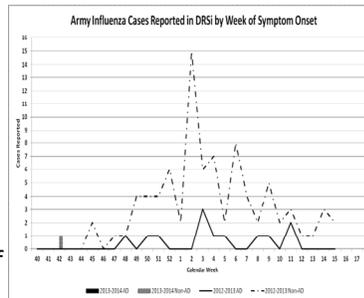
- During week 42, incident ILI activity was 34% lower than at the same time last year and 38% lower than during the 2011-2012 season.
- Active Duty (AD) Service Members (SMs) accounted for 25% of incident ILI clinic visits during week 42; in 2012-2013, AD SMs comprised 29% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

| Army MTF Laboratory Results, 2013-14 | | | | | |
|--------------------------------------|------------|------------|------------|----------|--------------|
| Test Result | Week 40 | Week 41 | Week 42 | Week 43 | Season Total |
| Influenza A | 9 | 7 | 9 | | 25 |
| Influenza B | 1 | 0 | 2 | | 3 |
| Adenovirus | 2 | 2 | 7 | | 11 |
| Enterovirus | 0 | 0 | 0 | | 0 |
| Parainfluenza | 6 | 15 | 17 | | 38 |
| RSV | 10 | 12 | 18 | | 40 |
| Negative | 404 | 446 | 409 | | 1259 |
| Total Results | 432 | 482 | 462 | 0 | 1376 |

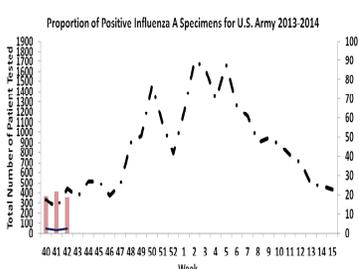
- 11% (53) of respiratory specimens were positive during week 42.
- RSV accounted for 34% of positive specimens. Parainfluenza accounted for 32% of positive specimens, influenza A for 17%, and adenovirus for 13%.
- Influenza B accounted for 4% of positive specimens.

DRSi Influenza Case Reporting



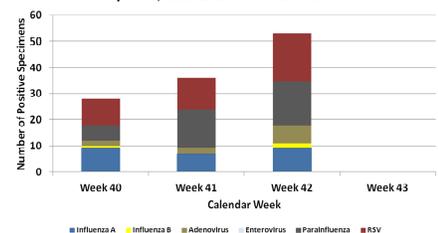
- In week 42, there was one report of influenza-associated hospitalization in a non-AD beneficiary.
- This is the only hospitalized influenza case that has been reported since the beginning of this influenza season for Army MTFs.
- At the same time last influenza season, zero hospitalized influenza cases were reported.

Laboratory Testing for Influenza A



- The proportion of positive influenza A tests in week 42 (2%) remained stable from week 41 (2%).
- 8 of the 9 (89%) positive influenza A specimens in week 42 were from non-AD personnel.
- 7 (78%) of the 9 positive specimens were from SRMC. PRMC reported 2 (22%) positive influenza A specimen each.
- No positive specimens were identified in ERMC, PRMC, or WRMC.

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

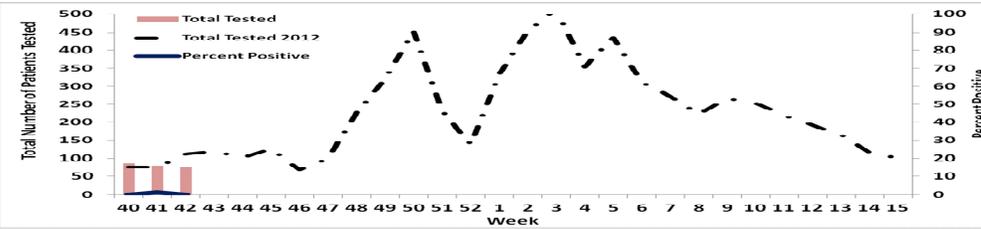
Questions?

Email USAPHC-DEP
410-417-3774

U.S. Army Influenza Activity Report

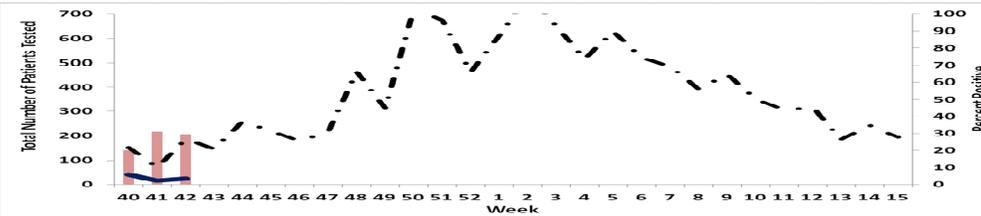
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2013-14 as Compared to 2012-2013

Northern Regional Medical Command (NRMC)



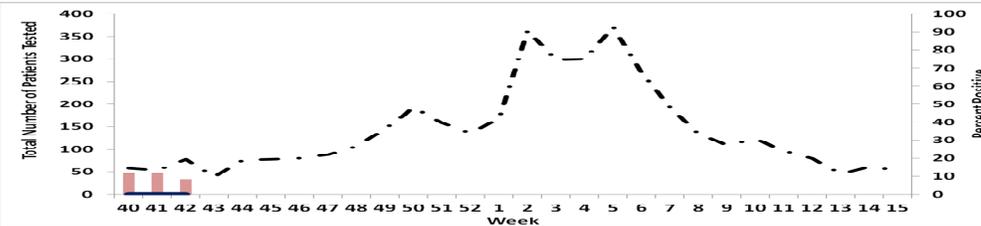
| Week 42 | | | |
|-----------|----------|------------|--------------|
| Age Group | AD | Non-AD Ben | Season Total |
| < 18 | 0 | 0 | 0 |
| 18-29 | 0 | 0 | 0 |
| 30-39 | 0 | 0 | 0 |
| 40-49 | 0 | 0 | 0 |
| 50-59 | 0 | 0 | 0 |
| 60+ | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 |

Southern Regional Medical Command (SRMC)



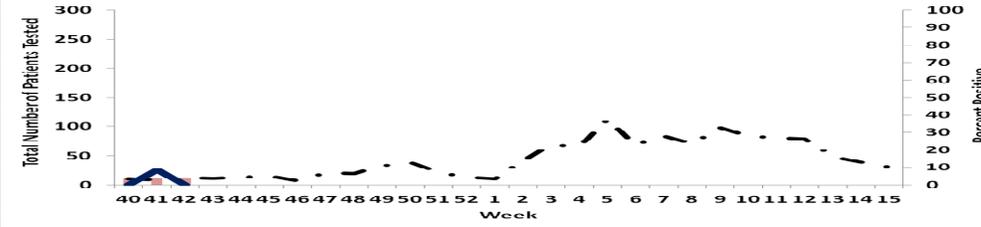
| Week 42 | | | |
|-----------|----------|------------|--------------|
| Age Group | AD | Non-AD Ben | Season Total |
| < 18 | 0 | 3 | 3 |
| 18-29 | 0 | 1 | 1 |
| 30-39 | 1 | 1 | 2 |
| 40-49 | 0 | 1 | 1 |
| 50-59 | 0 | 0 | 0 |
| 60+ | 0 | 0 | 0 |
| 0 | 1 | 6 | 7 |

Western Regional Medical Command (WRMC)



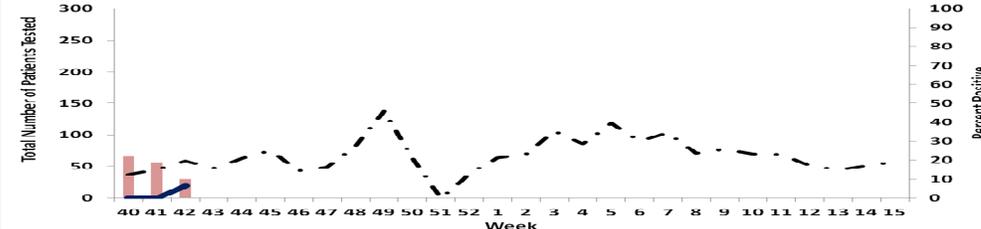
| Week 42 | | | |
|-----------|----------|------------|--------------|
| Age Group | AD | Non-AD Ben | Season Total |
| < 18 | 0 | 0 | 0 |
| 18-29 | 0 | 0 | 0 |
| 30-39 | 0 | 0 | 0 |
| 40-49 | 0 | 0 | 0 |
| 50-59 | 0 | 0 | 0 |
| 60+ | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 |

European Regional Medical Command (ERMC)



| Week 42 | | | |
|-----------|----------|------------|--------------|
| Age Group | AD | Non-AD Ben | Season Total |
| < 18 | 0 | 0 | 0 |
| 18-29 | 0 | 0 | 0 |
| 30-39 | 0 | 0 | 0 |
| 40-49 | 0 | 0 | 0 |
| 50-59 | 0 | 0 | 0 |
| 60+ | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 |

Pacific Regional Medical Command (PRMC)



| Week 42 | | | |
|-----------|----------|------------|--------------|
| Age Group | AD | Non-AD Ben | Season Total |
| < 18 | 0 | 0 | 0 |
| 18-29 | 0 | 1 | 1 |
| 30-39 | 0 | 0 | 0 |
| 40-49 | 0 | 0 | 0 |
| 50-59 | 0 | 0 | 0 |
| 60+ | 0 | 1 | 1 |
| 0 | 0 | 2 | 2 |

Number of Positive Influenza A Specimens by Duty Status and Region

| Region | Week 40 | | Week 41 | | Week 42 | | Week 43 | | Week 44 | | Week 45 | | Week 46 | | Week 47 | |
|---------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|
| | AD | Non-AD |
| NRMC | 0 | 0 | 0 | 1 | 0 | 0 | | | | | | | | | | |
| SRMC | 0 | 9 | 1 | 4 | 1 | 6 | | | | | | | | | | |
| WRMC | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | |
| ERMC | 0 | 0 | 1 | 0 | 0 | 0 | | | | | | | | | | |
| PRMC | 0 | 0 | 0 | 0 | 0 | 2 | | | | | | | | | | |
| CENTCOM | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | |

Locations providing week 42 laboratory data as of 23 October 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 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*

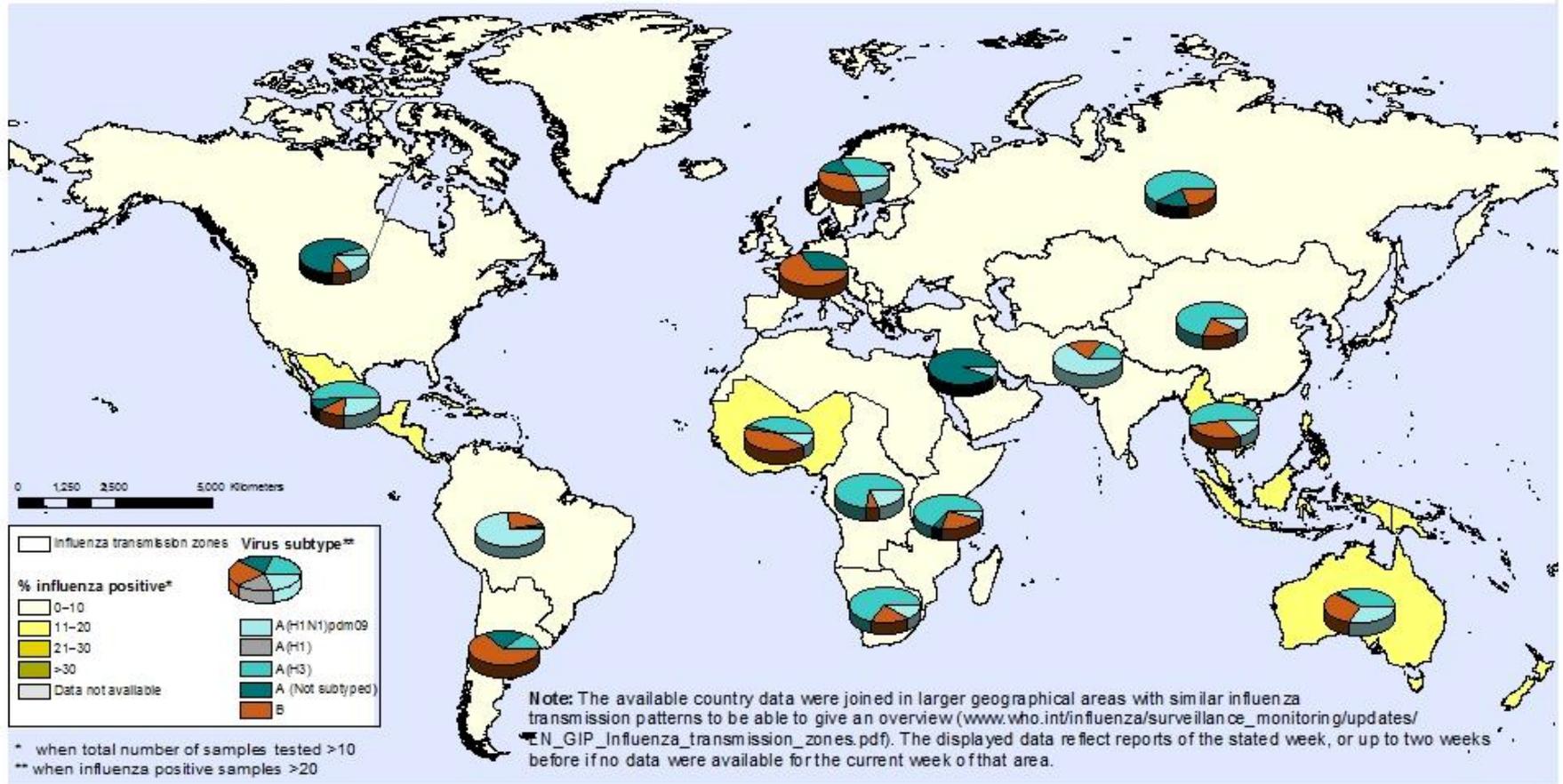
Week Ending October 19, 2013- Week 42



*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 41
06 - 12 October 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.

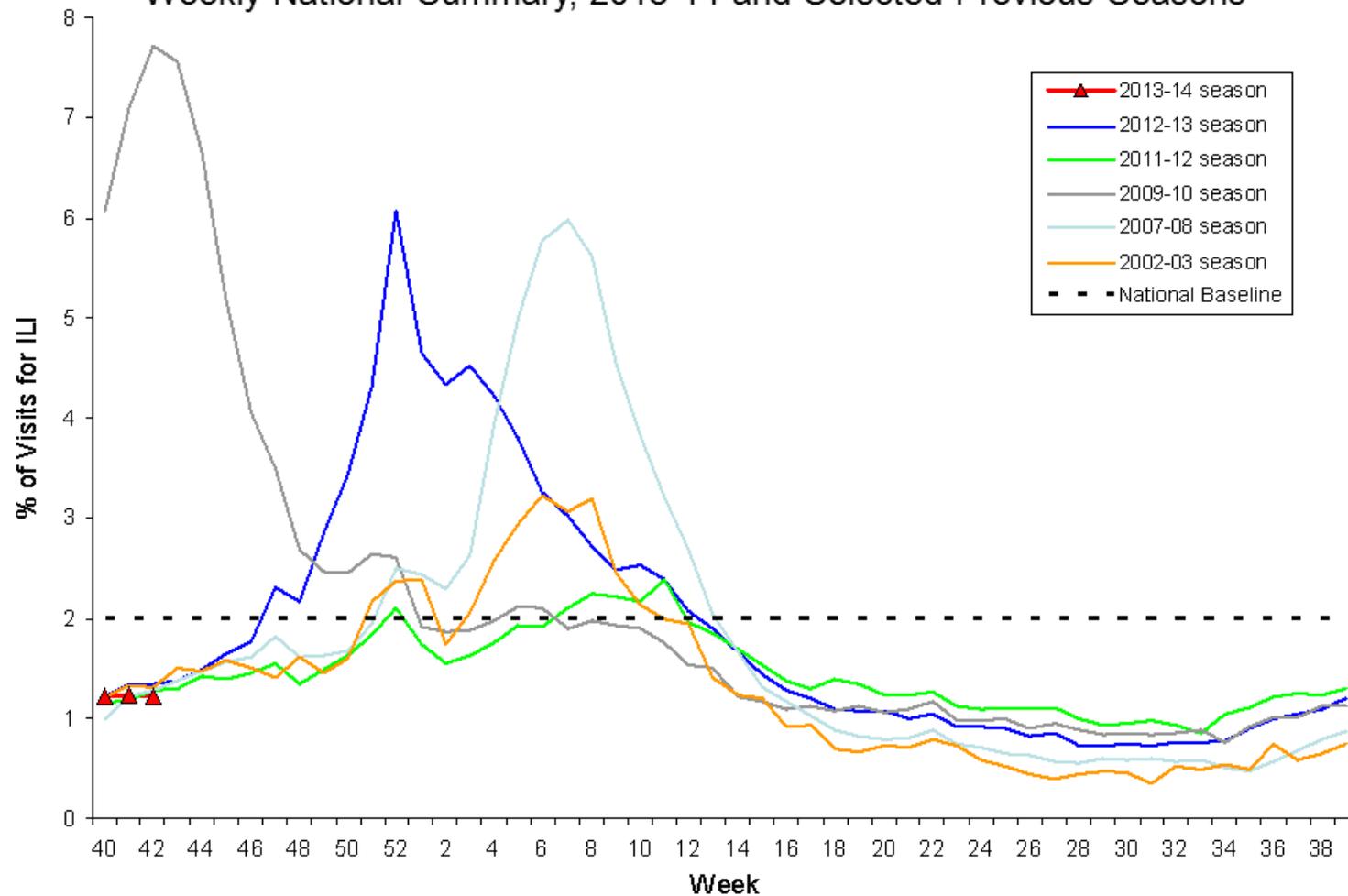
Data Source: WHO/GIP, data in HQ as of 23 October 2013
Data used are from FluNet (www.who.int/flu-net), 8:30 UTC snapshot, from WHO regional offices and/or ministry of health websites.



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

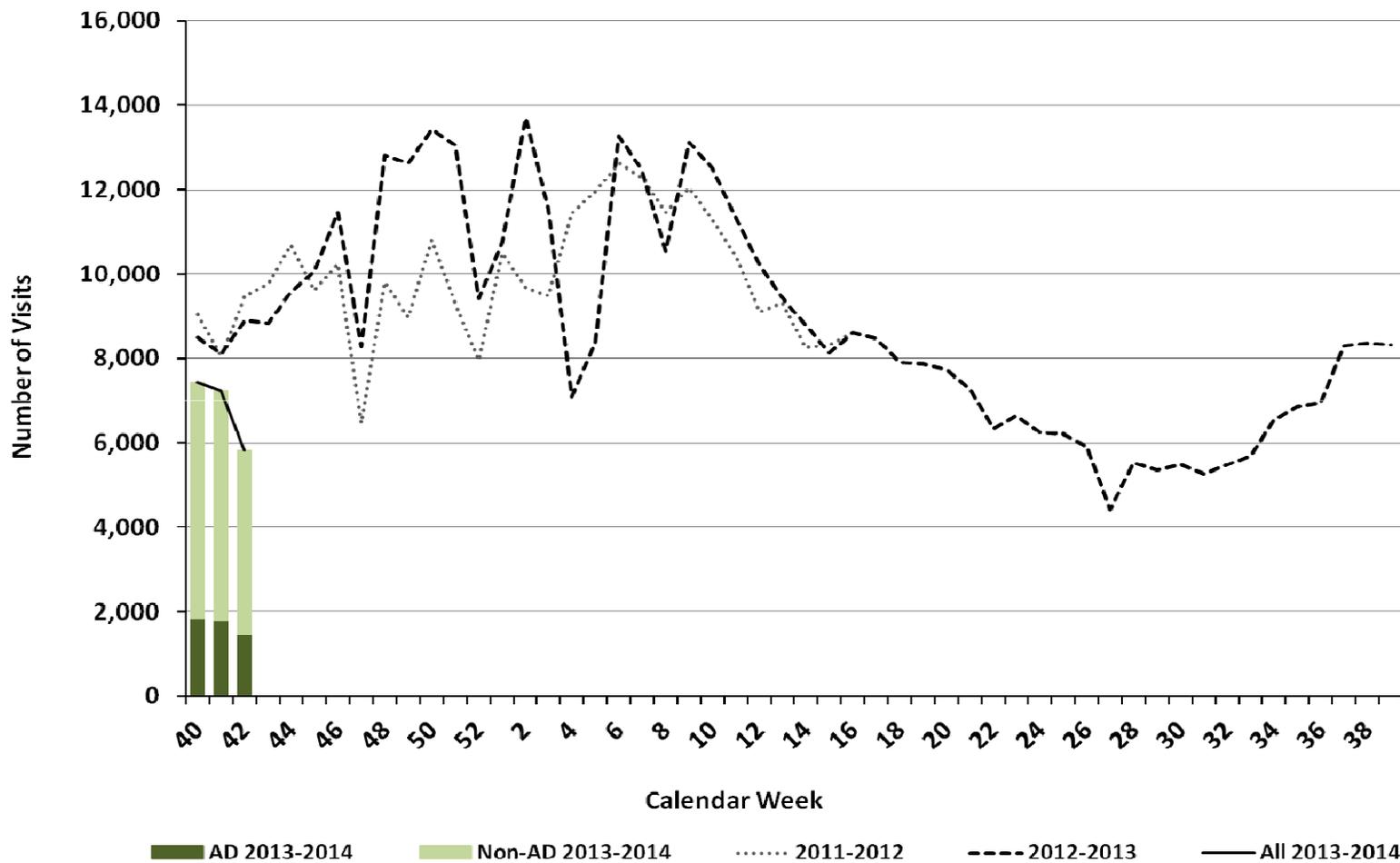
http://www.who.int/influenza/surveillance_monitoring/updates/latest_update_GIP_surveillance/en/index.html

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2013-14 and Selected Previous Seasons



ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

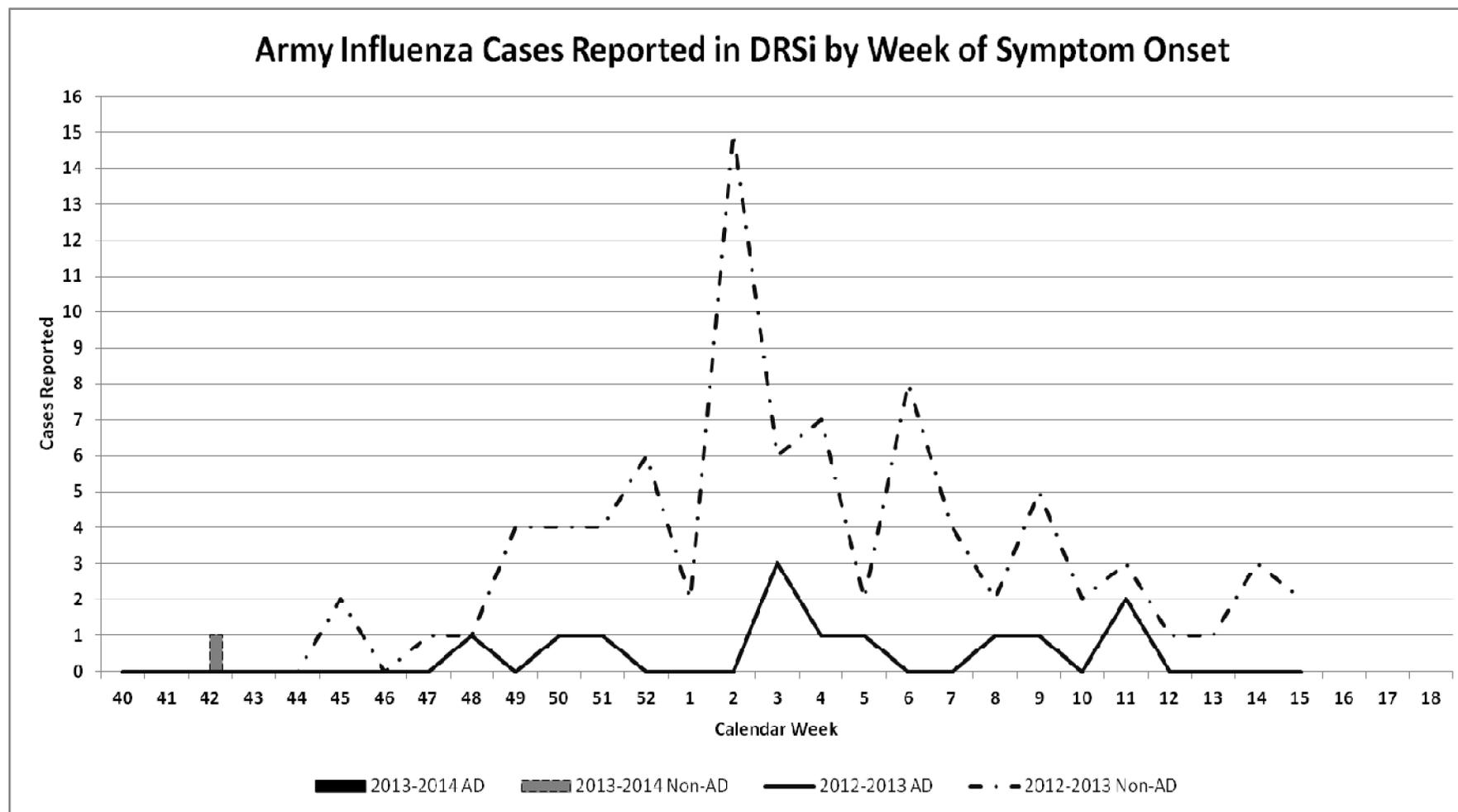
Army MTFs, All Services, 2010-2013



Clinic visits for ILI are obtained from ESSENCE. Data as of 23 October 2013.

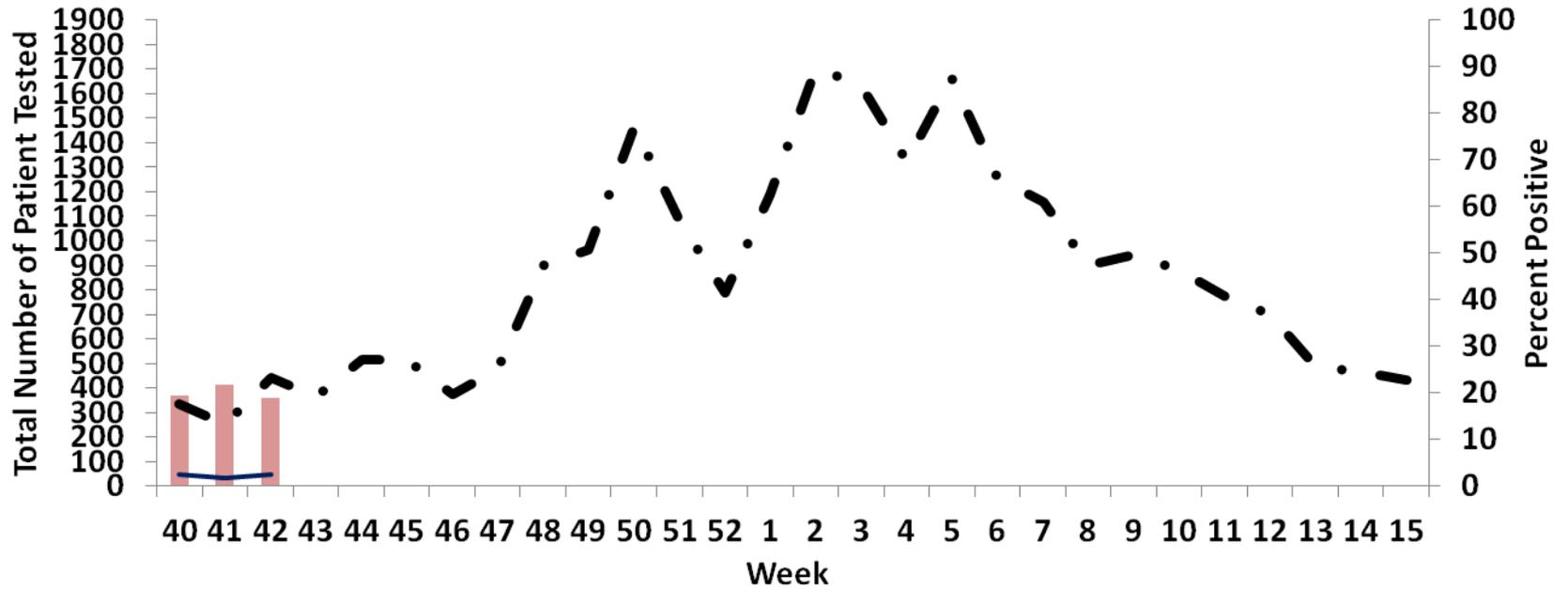
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| RSV | 10 | 12 | 18 | | 40 |
| <i>Negative</i> | 404 | 446 | 409 | | 1259 |
| Total Results | 432 | 482 | 462 | 0 | 1376 |



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 23 October 2013.

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

