

# U.S. Army Influenza Activity Report

Week Ending 21 April 2012 (Week 16)

Click on images to enlarge.

## 2011-2012 Seasonal Influenza Vaccination Coverage

As of 25 APR 2012

97%	DOD
97%	Army Active Duty
92%	Army Guard
84%	Army Reserve

**SYNOPSIS:** Influenza activity continues to decrease. Overall activity remains lower than last year.

- **Viral specimens:** During week sixteen, 21 of 98 specimens submitted for testing were positive for respiratory disease. Influenza A was identified in 11 (52%) of these positive samples.
- **Influenza cases:** 844 influenza cases have been reported in DRSi through week sixteen of the 2011-2012 season. Twenty-one were reported with onset dates in week 16.
- **Army MEDCEN & reporting trend:** RSV and Influenza A were the most commonly identified respiratory pathogens during the previous 4 weeks, accounting for 19% and 39% of positive specimens, respectively.
- **NOTICE:** This is the last Army influenza report for this season. If you wish to continue monitoring influenza activity, then please visit the Weekly U.S. Influenza Surveillance report on the [CDC website](http://www.cdc.gov). The DoD Global Influenza Report is available throughout the year at <https://gumbo2.wpafb.af.mil/epi-consult/influenza>

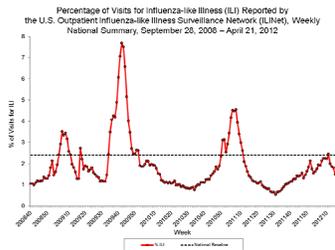
## Geographic Spread



### United States

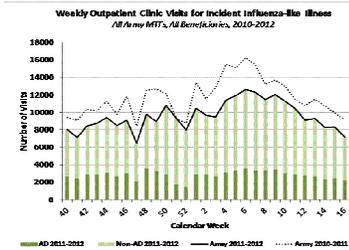
- Widespread influenza activity was reported by six states (AK, CO, MT, NY, OR and VT).
- Nine states reported regional activity (AZ, CA, CT, KY, ME, NV, NJ, RI, and WA).
- Local influenza activity was reported by seventeen states (AL, IA, LA, MA, MI, MN, MO, NM, ND, OH, PA, SD, TX, UT, VA, WI and WY).
- The remaining states and territories reported sporadic cases or no influenza.

## ILI Activity United States



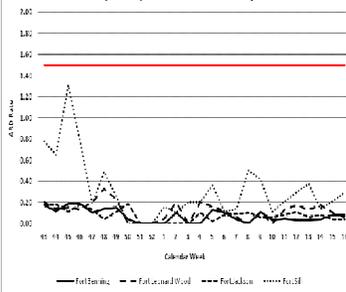
- For week fourteen (2012), 1.5% of outpatient visits reported through ILINet were due to influenza-like illness (ILI).
- This percentage is below the national baseline of 2.4%.

## ILI Activity Army



- Over the last four weeks, Army ILI outpatient visits were 20% lower than during the same time period of the 2010-2011 influenza season.
- ESSENCE visit counts for the entire 2011-2012 season have remained lower than the previous season.
- ESSENCE data lags have been resolved.

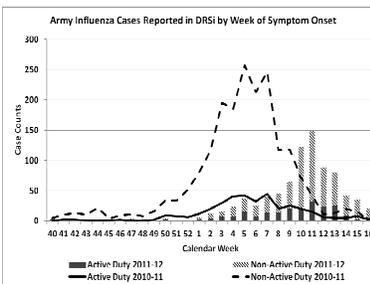
## Acute Respiratory Disease Rates at Army BCT Sites



## Acute Respiratory

- ARDS rates are lower at all BCT sites for 2012 compared to 2011.
- According to the Naval Health Research Center, the proportion of febrile respiratory illness cases positive for adenovirus has noticeably decreased since the vaccine was reintroduced to the BCT population in November 2011.

## DRSi Influenza Case Reporting

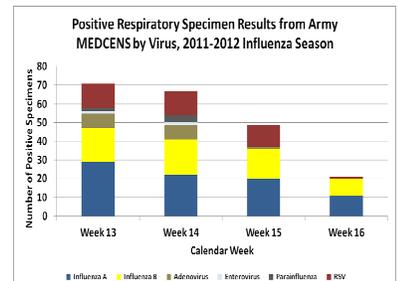


- 844 cases (21 with onset dates in week 16) have been reported in the 2011-2012 season.
- Two-hundred twenty (26%) cases were among active duty Soldiers and 624 (74%) were among dependents.
- Fifty-nine (7%) cases required hospitalization this season.

## Army Laboratory Testing

Test Result	Week 13	Week 14	Week 15	Week 16	Total
Influenza A	29	22	20	11	82
Influenza B	18	19	16	9	62
Adenovirus	8	8	1	0	17
Enterovirus	1	1	0	0	2
Parainfluenza	2	4	0	0	6
RSV	13	13	12	1	39
Negative	207	173	252	77	709
Total Results	278	240	301	98	917

- In the last 4 weeks, 208 (22%) of the 917 samples submitted were positive for a respiratory disease organism.
- RSV accounted for 19% of positive samples from the last four weeks.
- Parainfluenza and adenovirus accounted for 3% and 8% of all positive samples in the last four weeks, respectively.
- Influenza A accounted for 39% of positive specimens in the last four weeks and 52% of positive samples in week fifteen.
- Five MEDCENs submitted reports for week fifteen (2012).



**Additional Resources:** Army Influenza Reports; ARD Reports; AFHSC Influenza Reports; NHRC FRI Reports; DoD Global Influenza Surveillance Program; DoD Pandemic Influenza Watchboard; CDC

**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

## Questions?

<http://phc.amedd.army.mil>