

# U.S. Army Influenza Activity Report

Week Ending 14 April 2012 (Week 15)

All data are preliminary and may change as more reports are received.

Click on images to enlarge.

## 2011-2012 Seasonal Influenza Vaccination Coverage

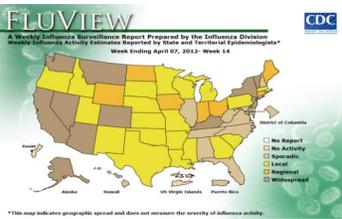
As of 17 APR 2012

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

**SYNOPSIS:** Influenza activity appears to be decreasing and overall activity remains lower than last year.

- **Viral specimens:** During week fifteen, 206 specimens were submitted for testing, of which 27 were positive for respiratory disease. Influenza A was identified in 9 (33%) of these positive samples.
- **Influenza cases:** 775 influenza cases have been reported in DRSI through week fifteen of the 2011-2012 season. Twelve were reported with onset dates in week 15.
- **Outpatient ILI surveillance:** ILI activity continues to decrease; overall activity remains lower than last year.
- **Army MEDCEN & reporting trend:** RSV and Influenza A were the most commonly identified respiratory pathogens within the previous 4 weeks, accounting for 24% and 38% of positive specimens, respectively.

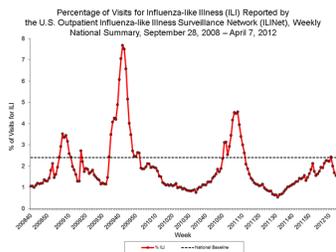
## Geographic Spread



### United States

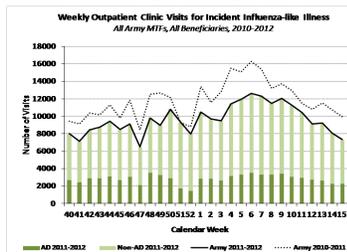
- Widespread influenza activity was reported by ten states (AK, AZ, CA, CO, KY, MT, NV, NJ, NY and VT).
- Nine states reported regional activity (CT, IN, IA, ME, ND, OH, RI, WA and WY).
- Local influenza activity was reported by twenty states (AR, GA, ID, KS, LA, MA, MI, MN, MS, MO, NE, NM, OK, OR, PA, SC, SD, TX, UT, and WI).
- The remaining states and territories reported sporadic cases or no influenza.

## ILI Activity United States



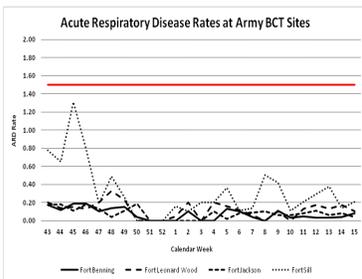
- For week fourteen (2012), 1.5% of outpatient visits reported through ILINet were due to influenza-like illness (ILI).
- This percentage is below the national baseline of 2.4%.

## ILI Activity Army



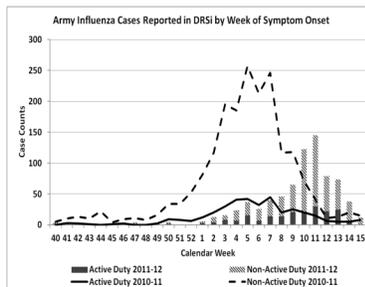
- Over the last four weeks, Army ILI outpatient visits were 22% lower than during the same time period of the 2010-2011 influenza season.
- Visit counts decreased sharply over the past three weeks; this mirrors the trend observed last year at this time.
- ESSENCE data lags since 21 March have been resolved.

## Acute Respiratory Disease Surveillance



- 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

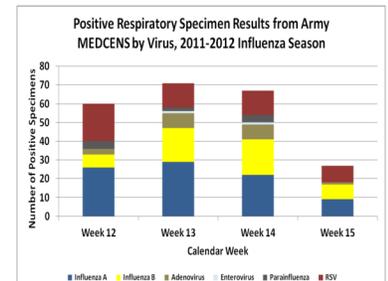


- 775 cases (12 with onset dates in week 15) have been reported in the 2011-2012 season.
- Two-hundred six (27%) cases were among active duty Soldiers and 569 (73%) were among dependents.
- Fifty-five (7%) cases required hospitalization.

## Army Laboratory Testing

Army MEDCEN Laboratory Results					
Test Result	Week 12	Week 13	Week 14	Week 15	Total
Influenza A	26	29	22	9	86
Influenza B	7	18	19	8	52
Adenovirus	3	8	8	1	20
Enterovirus	0	1	1	0	2
Parainfluenza	4	2	4	0	10
RSV	20	13	13	9	55
Negative	224	207	173	179	783
<b>Total Results</b>	<b>284</b>	<b>278</b>	<b>240</b>	<b>206</b>	<b>1008</b>

- In the last 4 weeks, 225 (22%) of the 1,008 samples submitted were positive for a respiratory disease organism.
- Of positive samples from the last four weeks, 24% were identified as RSV.
- Parainfluenza and adenovirus accounted for 4% and 9% of all positive samples in the last four weeks, respectively.
- Influenza A accounted for 38% of positive specimens in the last four weeks and 33% of positive samples in week fifteen.
- Seven MEDCENs submitted reports for week fifteen (2012).



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

**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>