

# U.S. Army Influenza Activity Report

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Week Ending 3 March 2012 (Week 9)

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

## 2011-2012 Seasonal Influenza Vaccination Coverage

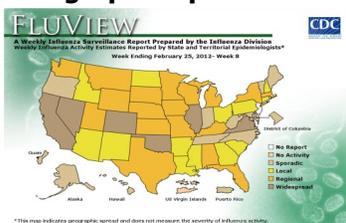
As of 6 MAR 2012

96%	DOD
97%	Army Active Duty
92%	Army Guard
82%	Army Reserve

**SYNOPSIS:** Influenza activity continues increasing but overall activity remains lower than last year.

- **Viral specimens:** During week eight, 308 specimens were submitted for testing, of which 53 were positive. Influenza A was identified in 36 (67%) of these positive samples.
- **Influenza cases:** 247 influenza cases have been reported in DRSI through week nine of the 2011-2012 season. Forty were reported with onset dates in week 9.
- **Outpatient ILI surveillance:** ILI activity within ESSENCE indicates both AD and beneficiary visits remains lower this year than for the same period last year.
- **Army MEDCEN & reporting trend:** RSV and Influenza A were the most commonly identified respiratory pathogens within the previous 4 weeks, accounting for 41% and 43% of positive specimens, respectively.

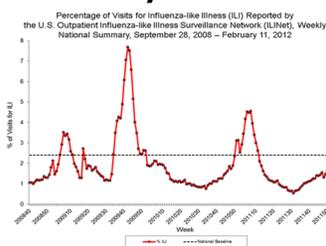
## Geographic Spread



### United States

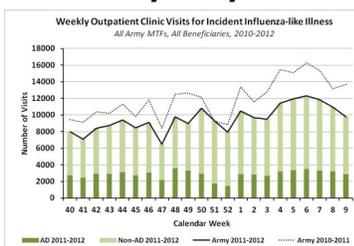
- Widespread influenza activity was reported by six states (CA, CO, IL, NV, OK, VA).
- Eighteen states reported regional activity (AL, FL, IA, KS, KY, MA, MI, MN, MO, MT, NE, NY, SD, TX, UT, WA, WI, and WY).
- Local influenza activity was reported by 13 states (AZ, AR, CT, GA, ID, LA, MS, NH, NM, ND, OH, PA, and SC).
- The remaining states and territories reported sporadic cases or no influenza.

## ILI Activity United States



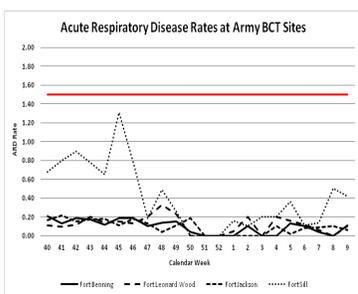
- For week eight (2012), 1.9% of outpatient visits reported through ILINet were due to influenza-like illness (ILI).
- This percentage is below the national baseline of 2.4%.

## ILI Activity Army



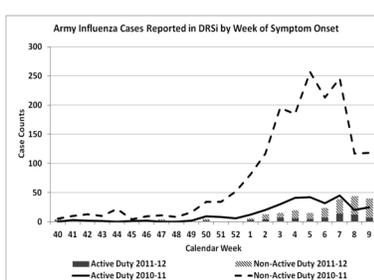
- Over the last four weeks, Army ILI outpatient visits were 23% lower than during the same time period of the 2010-2011 influenza season.
- Visit counts decreased 11% compared to the previous week; this is opposite the trend observed last year at this time and may be due to a data lag within ESSENCE.

## Acute Respiratory Disease Surveillance



- ARD rates are lower for all BCT sites for 2012 weeks 1-9 vs. 2011 weeks 1-9, except Ft. Sill, which saw a minimal ARD rate increase. This increase may have been related to changes in case finding methods rather than changes in disease occurrence.

## DRSi Influenza Case Reporting

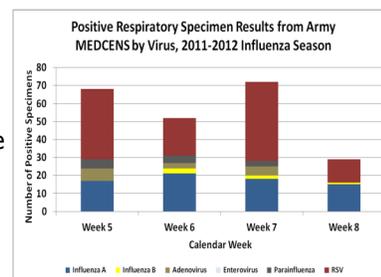


- 247 cases (40 with onset dates in week 9) have been reported in the 2011-2012 season.
- Seventy-three (30%) cases were among active duty Soldiers and 174 (70%) were among dependents.
- Twenty-two (9%) cases required hospitalization.

## Army Laboratory Testing

Test Result	Week 6	Week 7	Week 8	Week 9	Total
Influenza A	21	22	35	36	114
Influenza B	2	2	2	3	9
Adenovirus	4	9	5	2	20
Enterovirus	0	0	0	0	0
Parainfluenza	3	5	3	1	12
RSV	22	48	27	11	108
Negative	409	397	298	255	1359
Total Results	461	483	370	308	1622

- In the last 4 weeks, 263 (19%) of the 1,359 samples submitted were positive for a respiratory disease organism.
- Of positive samples, 41% were identified as RSV over the last four weeks.
- Parainfluenza and adenovirus accounted for 5% and 8% of all positive samples, respectively.
- Influenza A accounted for 43% of positive specimens in the last four weeks and 67% of positive samples in week eight.
- Eight MEDCENS submitted reports for week eight (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>