

U.S. Army Influenza Activity Report

Week Ending 17 March 2012 (Week 11)

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 21 MAR 2012

96%	DOD
97%	Army Active Duty
92%	Army Guard
84%	Army Reserve

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

- **Viral specimens:** During week eleven, 265 specimens were submitted for testing, of which 40 were positive for respiratory disease. Influenza A was identified in 27 (68%) of these positive samples.
- **Influenza cases:** 485 influenza cases have been reported in DRSI through week eleven of the 2011-2012 season. Ninety were reported with onset dates in week 11.
- **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 35% and 50% of positive specimens, respectively.

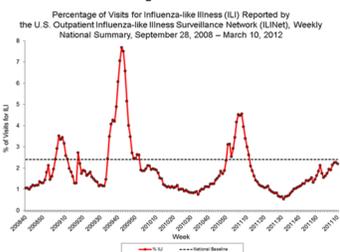
Geographic Spread



United States

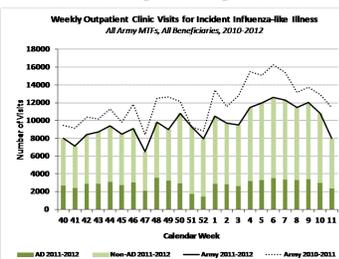
- Widespread influenza activity was reported by fifteen states (CA, CO, IL, IA, KS, KY, MD, MI, MN, MO, NV, NY, OK, PA, VA).
- Twenty-two states reported regional activity (AL, AZ, AR, CT, FL, GA, ID, ME, MS, MT, NE, NJ, NM, ND, OH, OR, SD, TX, UT, WA, WI, and WY).
- Local influenza activity was reported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

ILI Activity United States



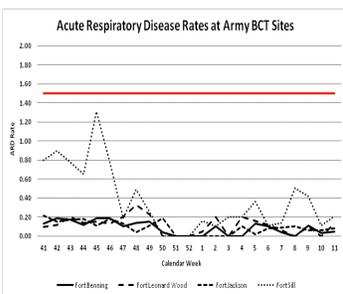
- For week ten (2012), 2.2% of outpatient visits reported through ILINet were due to influenza-like illness (ILI).
- This percentage is below the national baseline of 2.4%.

ILI Activity Army



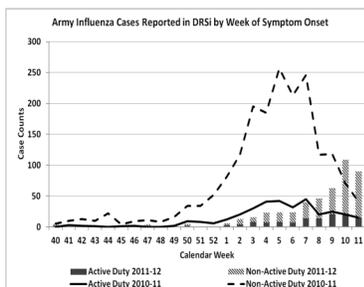
- Over the last four weeks, Army ILI outpatient visits were 18% lower than during the same time period of the 2010-2011 influenza season.
- Visit counts decreased 26% this week; this mirrors the decreasing visit trend observed last year at this time and is in contrast to the ILI trend for the US civilian population.

Acute Respiratory Disease Surveillance



- ARDS rates are lower at all BCT sites for 2012 compared to 2011.
- ARDS rates should not be compared between sites due to variations in data collection. The rates reflect temporal changes at each site.

DRSi Influenza Case Reporting

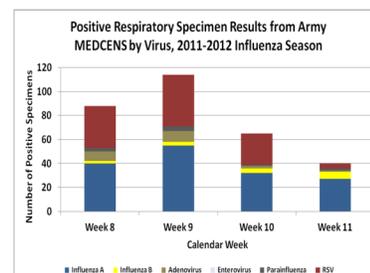


- 485 cases (90 with onset dates in week 11) have been reported in the 2011-2012 season.
- One-hundred twenty-eight (26%) cases were among active duty Soldiers and 357 (74%) were among dependents.
- Thirty (6%) cases required hospitalization.

Army Laboratory Testing

Army MEDCEN Laboratory Results					
Test Result	Week 8	Week 9	Week 10	Week 11	Total
Influenza A	40	55	32	27	154
Influenza B	2	3	4	6	15
Adenovirus	8	9	2	1	20
Enterovirus	0	0	0	0	0
Parainfluenza	3	4	1	2	10
RSV	35	43	26	4	108
Negative	353	415	261	265	1294
Total Results	441	529	326	305	1601

- In the last 4 weeks, 307 (19%) of the 1,601 samples submitted were positive for a respiratory disease organism.
- Of positive samples from the last four weeks, 35% were identified as RSV.
- Parainfluenza and adenovirus accounted for 3% and 7% of all positive samples in the last four weeks, respectively.
- Influenza A accounted for 50% of positive specimens in the last four weeks and 68% of positive samples in week eleven.
- Seven MEDCENs submitted reports for week eleven (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>