

U.S. Army Influenza Activity Report

Week Ending 31 December 2011 (Week 52)

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 DEC 2011

93%	DOD
95%	Army Active Duty
90%	Army Guard
73%	Army Reserve

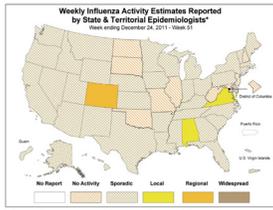
SYNOPSIS: The 2011-2012 data continue to show a lower burden of respiratory disease than in 2010-2011.

- **Viral specimens:** Of 80 specimens submitted for week 52, 0% were positive for influenza.
- **Influenza cases:** 29 influenza cases were reported in DRSI during week 52; onset occurred in previous weeks.
- **Hospitalizations & Fatalities:** Nine influenza cases were hospitalized; no fatalities.
- **Outpatient ILI Surveillance:** ILI activity within ESSENCE indicates both AD and beneficiary visits were lower this year than last year at this time.

Influenza and ILI

ILI outpatient visits among civilian facilities (ILINet) and Army facilities (ESSENCE) both indicate a low burden of ILI activity for week 51.

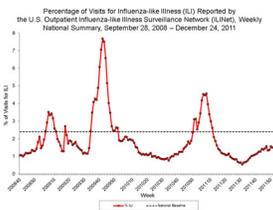
Geographic Influenza Spread



Geographic spread of influenza in the United States

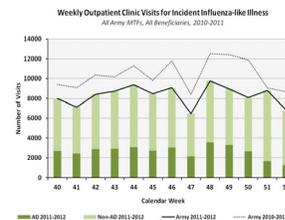
- The geographic spread of influenza in one state was reported as regional (Colorado); two states reported local activity (Virginia and Alabama); the remaining states and territories reported sporadic or no influenza.
- Puerto Rico did not report.
- Influenza activity reported by state and territorial epidemiologists describes geographic spread of influenza virus; it does not measure intensity of influenza activity.

ILI Activity United States



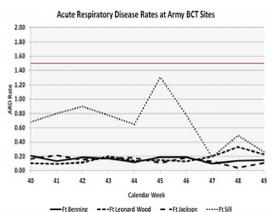
- During the previous week (week 51), 1.5% of patient visits reported through ILINet were due to influenza-like illness (ILI).
- This percentage is below the national baseline of 2.4%.

ILI Activity Army



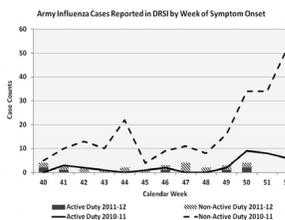
- Outpatient incident visits for ILI at Army facilities were 22% lower in December 2011 than in December 2010.
- The sharp decreases noted in weeks 47 and 52 are attributed to the fall holidays.

Acute Respiratory Disease Surveillance



- All training sites were on holiday block leave from 20 December through 2 January.
- ARDS rates were not reported during this time.
- ARDS reporting will resume 11 January 2012.

DRSI Influenza Case Reporting



- 29 cases of influenza have been reported in the 2011-2012 season:
- Seven (24%) were among active duty Soldiers, and 22 (76%) were among dependents.
- Nine (31%) of these cases required hospitalization.

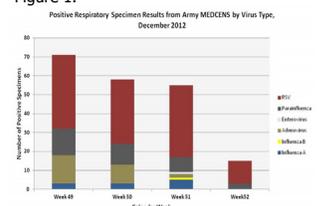
Army Laboratory Testing

Table 1.

Army MEDCEN Laboratory Results					
Test Result	Week 49	Week 50	Week 51	Week 52	Total
Influenza A	3	3	5	0	11
Influenza B	0	0	1	0	1
Adenovirus	15	10	2	0	27
Enterovirus	0	0	1	0	1
Parainfluenza	14	11	8	3	36
RSV	39	34	38	12	123
Negative	315	324	192	65	896
Total Results	386	382	247	80	1095

- Respiratory disease organisms identified by Army Medical Center laboratories over the last four weeks are shown in Table 1.
- Of positive samples, 62% were identified as RSV.
- Parainfluenza and adenovirus accounted for 18% and 14% of all positive samples, respectively.
- Influenza A and B accounted for 1% of positive specimens.
- Four MEDCENS submitted reports for week 52, hence the decreased number of positive specimen results shown in Figure 1.

Figure 1.



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>