



DEPARTMENT OF DEFENSE

AFHSC Influenza Surveillance Summary



27 April 2011

DoD Summary

- Influenza-like illness (ILI) and pneumonia and influenza (P&I) incidence rates continued to remain at low and stable levels within the Military Health System; low ILI activity at most overseas laboratory surveillance programs (Graph 1)
- Active duty immunization coverage within the DoD is at 96%

Laboratory Surveillance

United States Air Force School of Aerospace Medicine (Source: global, lab-based military sentinel surveillance) [Contact](#)

- As of Week 15, the number of collected specimens continues to decline for the 6th straight week; overall 13% of specimens collected were positive for influenza B, no samples were positive for influenza A
- There continues to be good agreement between current vaccine components and circulating influenza vaccine strains

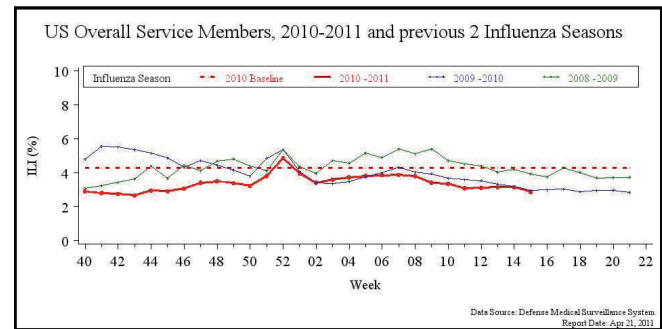
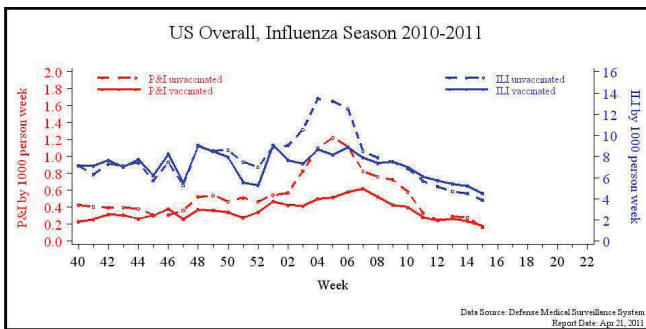
Naval Health Research Center (Source: lab-based recruits, shipboard and border surveillance) [Contact](#)

- Continue to see all influenza types with A/H1 among recruits and A/H1, A/H3, and B among DoD beneficiaries at MTFs and civilians from the US-Mexico border surveillance program
- The number of cases and percent of influenza positive samples continues to decline

Electronic Surveillance

AFHSC– (Source: Defense Medical Surveillance System (DMSS); medical encounter database and reportable events) [Contact](#)

- The percent of all outpatient visits due to ILI remained relatively stable for all regions; percents were at or below baseline and previous season percents, with the exception of US beneficiary percents which were slightly above baseline (Graph 2)



Graph 1: Incidence of P&I and ILI among active duty

Graph 2: Servicemember Outpatient Visits (%) with ILI

Global Surveillance Network

DoD Overseas Laboratories:

South and Southeast Asia: Low ILI activity with no positive influenza cases among tested samples (AFRIMS, NAMRU-2)
 Europe: Low ILI activity with minimal A/H1 influenza (LRMC, USAPHCR-Europe)
 South America: Low ILI activity with no positive influenza cases among tested samples (NAMRU-6)
 North Africa: Low ILI activity with no positive influenza cases among tested samples (NAMRU-3)
 East Africa: Medium ILI activity with some A/H1 and B influenza (USAMRU-K)

Immunization Coverage

(Active Component)	DoD-All*	ARMY	MARINES*	NAVY*	COAST GUARD	AIR FORCE
Seasonal Influenza Vaccine	96%	97%	98%	92%	97%	99%

Sources: DoD ALL-MILVAX, ARMY-MEDPROS, MARINES-MRRS, NAVY-MRRS, COAST GUARD-MRRS, AIRFORCE-AFCITA
 *Underestimates due to time lag in reporting systems

AFHSC Suggested Sampling Strategy for Future

Surveillance and Monitoring of Influenza Activity at DoD Installations

Samples Collected (Per Week): **6-10** samples from ILI (Fever $\geq 100.5^{\circ}F$ AND cough or sore throat) patients seen at representative clinics on a given installation **AND ALL** patients hospitalized with respiratory symptoms or clinically diagnosed pneumonia; or part of case clusters (>5 cases) among high risk groups (i.e. basic/advanced military trainees; shipboard or deployed service members; health care professionals)