



DEPARTMENT OF DEFENSE

Weekly Influenza Surveillance Summary



26 October 2010

DoD Summary

- Clinic visits for influenza-like illness (ILI) across the military health system have increased slightly over the past week
- Molecular sequencing of influenza viruses continues to align with the current northern hemisphere vaccine strains
- Seasonal influenza immunization coverage for DoD is currently at 45% for active duty service members

Laboratory Surveillance

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

- Clinic visits for ILI at Air Force sites continues to trend upward but remains below the 7 year average for this time of year
- No influenza cases have been identified at USAFSAM from global military sentinel sites

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

- Currently one basic military training facility is experiencing elevated febrile respiratory illness rates (NRTC Great Lakes)
- There have been no influenza cases in the 2010-2011 season among military recruits at any of the 8 training centers
- A recent case of influenza A/H3N2 has been identified from a clinic along the US-Mexico border in Southern California

Electronic Surveillance

AFHSC- (Source: ESSENCE) [Contact](#)

- ILI activity among military treatment facilities (MTFs) in the continental US (CONUS) has increased slightly this past week
- ILI activity throughout Europe (Fig. 1) and the Pacific (Fig. 2) remains consistent with expected early autumn increases

Fig 1: Clinic visit counts for ILI at European MTFs

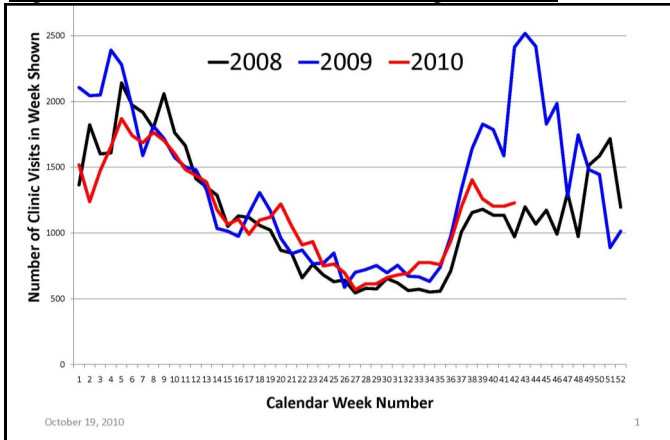
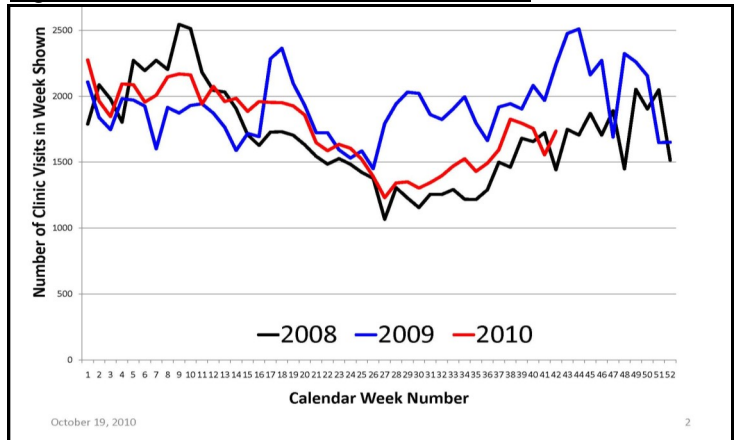


Fig 2: Clinic visit counts for ILI at Pacific MTFs



AFHSC-GEIS Global Lab-Based Surveillance

South America: Partners at NMRC-D in Peru continue to see a predominance of H3N2

Central America: Influenza partners in Central America have seen a recent stabilization of influenza activity in Nicaragua, Guatemala and Honduras

Influenza Immunization Coverage

(Active Component)	DoD-All*	ARMY	MARINES*	NAVY	COAST GUARD	AIR FORCE
Seasonal Influenza Vaccine	45%	52%	33%	53%	68%	61%

Sources: DoD ALL-DMSS, ARMY-MEDPROS, MARINES-DMSS, NAVY-MRRS, COAST GUARD-MRRS, AIR FORCE-AFCITA

*Underestimates due to time lag in reporting systems

AFHSC Suggested Sampling Strategy for 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)