



DEPARTMENT OF DEFENSE

AFHSC Influenza Surveillance Summary



06 April 2010

DoD Summary

- Clinic visits for influenza-like illness (ILI) have remained stable across the military health system (MHS)
- No influenza-associated hospitalizations or deaths were reported this past week
- This will be the last AFHSC Weekly Influenza Summary for this season

Laboratory Surveillance

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

- Laboratory confirmed influenza continues to decrease across the sentinel surveillance network
- Molecular analysis of the most recent pH1N1 viruses continues to align closely with the monovalent vaccine strain

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

- Febrile respiratory illness rates are substantially elevated at MCRD San Diego due to adenovirus types 4 and 14
- No reported increases in febrile respiratory illness among personnel aboard ships or at major ports

Electronic Surveillance

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

- Both ILI (Figure 1) and pneumonia and influenza (P&I) (Figure 2) levels have remained unchanged over the last three weeks
- The percent of ILI clinic visits continues to track below levels experienced in the two previous years
- There were no new influenza or pneumonia-associated hospitalizations reported this week

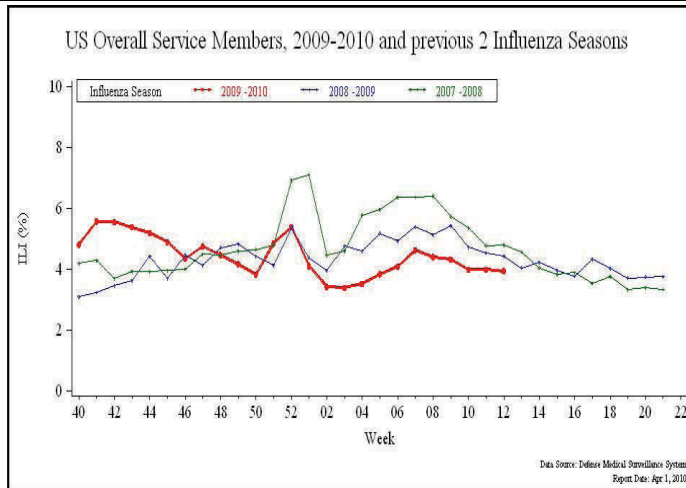


Figure 1: Percent Influenza-like Illness

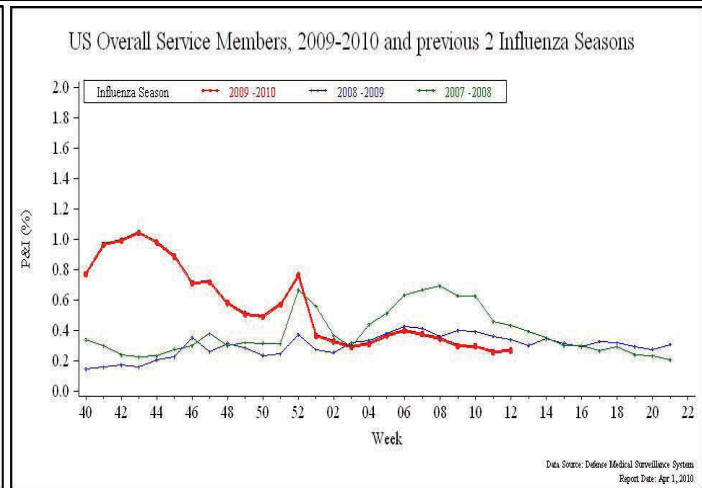


Figure 2: Percent Pneumonia and Influenza

Immunization Coverage

(Active Component)	DoD-All*	ARMY	MARINES*	NAVY*	COAST GUARD	AIR FORCE
Seasonal Vaccine	96%	96%	90%	91%	98%	97%
Pandemic Vaccine	91%	95%	83%	84%	95%	95%

*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*)

Influenza-associated Mortality

	Reported Influenza-associated Deaths		
	AD	FM	RET
ARMY	1	1	1
NAVY		3	
MARINES			
AIR FORCE	1	2	2
COAST GUARD			

Last reported influenza-associated death was 12 January 2010