



DEPARTMENT OF DEFENSE

AFHSC Influenza Surveillance Summary



23 February 2010

DoD Summary

- Influenza-like illness (ILI) has slightly increased but remains below seasonal levels across the military health system (MHS)
- No additional influenza-associated deaths have been reported since 12 January 2010

Laboratory Surveillance

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

- Lab-confirmed pH1N1 cases have decreased at sentinel sites, while ILI increased slightly during this last week
- A co-infection of pH1N1 and adenovirus was recently reported from Randolph AFB in Texas
- Circulating pH1N1 viruses remain closely aligned with the monovalent pandemic vaccine strain

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

- NHRC-provided seed strain (A/California/7-like) chosen as the 2010-2011 H1 component of the Trivalent Influenza Vaccine
- Febrile respiratory illness rates remain elevated at MRCD-SD (adenovirus subtype 4 & 14) and Lackland AFB (Adenovirus 4)

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) among service members continue to increase toward 2009 baseline
- The percent of ILI clinic visits continues to track at or below levels experienced in the previous two years

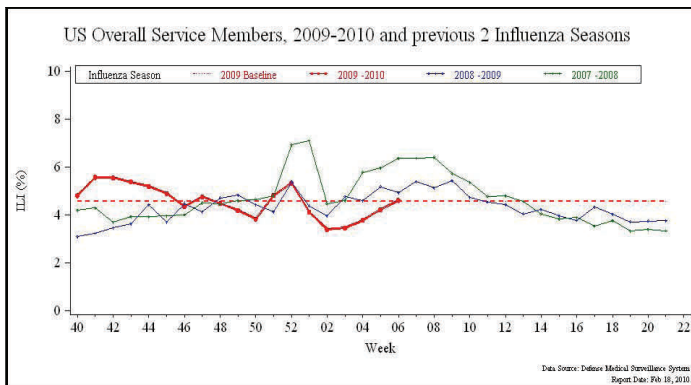


Figure 1: Percent Influenza-like Illness

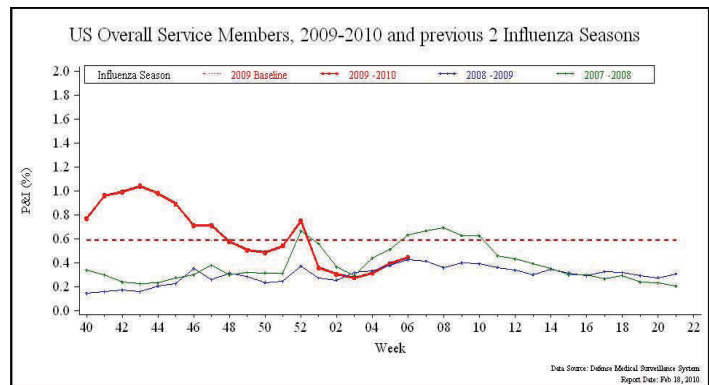


Figure 2: Percent Pneumonia and Influenza

Global Surveillance Network

NAMRU-3: Two more H5N1 cases were reported from Egypt this past week totaling nine since 6 January 2010

Of the 99 H5N1 cases diagnosed in Egypt, 30 have died (CFR=30.3%)

AFRIMS: Throughout South and Southeast Asia, pH1N1 predominates with a decreasing trend and the percentage of influenza B cases has increased over the last 3 weeks

Immunization Coverage

(Active Component)	DoD-AII*	ARMY	MARINES*	NAVY*	COAST GUARD	AIR FORCE
Seasonal Vaccine	92%	95%	85%	86%	97%	96%
Pandemic Vaccine	79%	84%	73%	71%	92%	82%

*Underestimates due to time lag in reporting systems

Influenza-associated Mortality

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

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)

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