



# DEPARTMENT OF DEFENSE

## AFHSC Influenza Surveillance Summary



26 January 2010

### DoD Summary

- Overall influenza-like illness (ILI) has dropped for the second consecutive week after a post-holiday increase
- Complete predominance of pandemic H1N1 (pH1N1) continues throughout the DoD global network
- 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)

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- The percent positive rate of lab-confirmed influenza has remained at low levels for the past eight weeks
- There have been no pH1N1 viruses resistance to oseltamivir this season (0 of 29 representative samples tested)
- Only two of 75 Air Force bases are experiencing elevated ILI this past week

**Naval Health Research Center** (Source: lab-based recruits, shipboard and border surveillance)

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- Febrile respiratory illness (FRI) rates are currently elevated due to adenovirus at Cape May (USCG) and Lackland AFB (AF)
- There was no influenza detected at any of the basic military training sites this past week

### Electronic Surveillance

**AFHSC** (Source: Defense Medical Surveillance System (DMSS); medical encounter database and reportable events)

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- Both ILI (Figure 1) and pneumonia and influenza (P&I) (Figure 2) have dropped off across the military health system
- The percent of ILI visits continue to track at or below levels experienced in the two previous seasons
- There were no new influenza or pneumonia-associated hospitalizations this week among Armed Forces beneficiaries

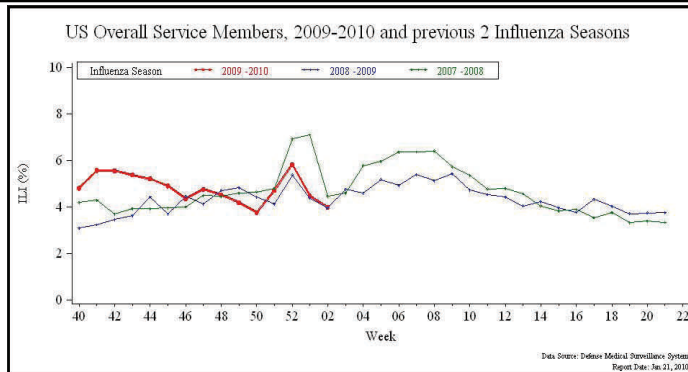


Figure 1: Percent Influenza-like Illness

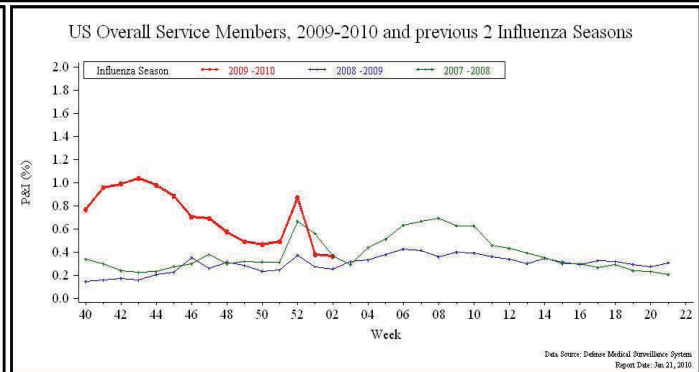


Figure 2: Percent Pneumonia and Influenza

### Global Surveillance Network

**AFRIMS:** Continued predominance of pH1N1 with an overall decrease in ILI activity throughout the SE Asia surveillance network

**NAMRU-3:** The Ministry of Health in Egypt announced three new cases of human H5N1 over the past week

**EUCOM:** ILI and lab-confirmed influenza continues to trend downward overall with a recent ILI increase in pediatric age groups

### Immunization Updates

(Active Component)	DoD-All*	ARMY	MARINES*	NAVY*	COAST GUARD	AIR FORCE
Seasonal Vaccine	88%	94%	79%	75%	97%	95%
Pandemic Vaccine	61%	71%	57%	50%	87%	68%

NOTE: Coverage rates reported in the 19 January report were inaccurate

\*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)