



# DEPARTMENT OF DEFENSE

## Weekly Influenza Surveillance Summary



21 December 2010

### DoD Summary

- Influenza-like illness (ILI) clinic visits continue to trend upward at installations in Europe and some areas within the continental US
- Vaccine coverage for active duty service members is currently at 88% (US civilian coverage is estimated by the CDC to be 33%)

### Laboratory Surveillance

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

- Laboratory-confirmed cases of influenza from submitting sentinel sites have increased over the past two weeks

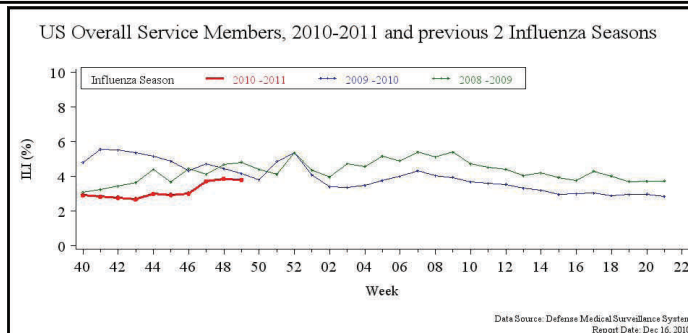
**Naval Health Research Center** (Source: lab-based recruits, shipboard and border surveillance) [View Report](#) [Contact](#)

- Influenza A/H3N2 and influenza B activity continues for US/Mexico border clinics and DoD family members in San Diego

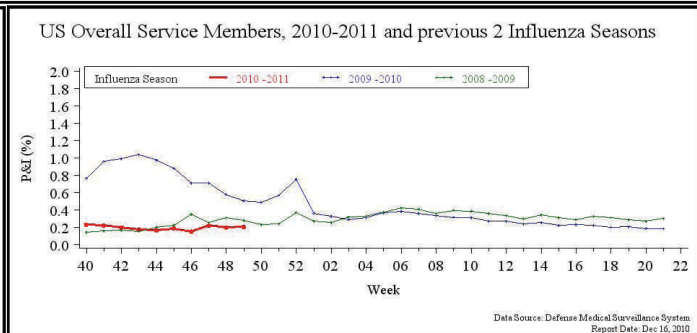
### Electronic Surveillance

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

- ILI (Graph 1) in service members remains stable but is increasing for children family members across the military health system
- Pneumonia and Influenza (Graph 2) also remains stable for service members but is increasing slightly for family members
- Of reported influenza positive cases across the MHS, 33% were fully vaccinated ( $\geq 14$  days post vaccine) at the time of illness



Graph 1: Percent Influenza-like Illness



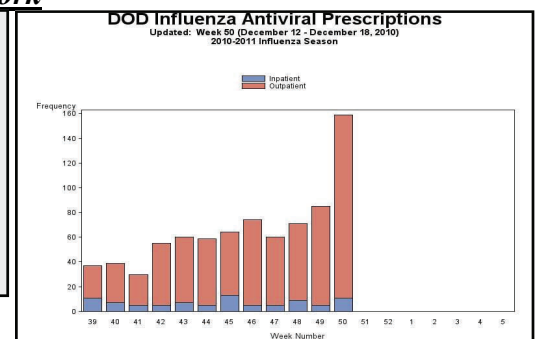
Graph 2: Percent Pneumonia and Influenza

### Global Surveillance Network

**PHCR-Europe:** ILI and laboratory-confirmed influenza continues to increase among US DoD personnel (and family members) in the United Kingdom and Germany; both areas are seeing similar trends in the local civilian populations

**NMCPHC:** Prescriptions for antiviral medications nearly doubled this past week throughout the military health system (Graph 3)

**NAMRU-3:** Influenza surveillance efforts in Egypt and North Africa have seen a recent increase in 2009 H1N1 cases over the past two weeks



Graph 3: MHS antiviral prescriptions by week

### Immunization Updates

(Active Component)	DoD-All*	ARMY	MARINES*	NAVY	COAST GUARD	AIR FORCE
Seasonal Influenza Vaccine	88%	95%	78%	88%	94%	94%

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

\*Underestimates due to time lag in reporting systems

[\(Link to\)  
DoD Enhanced  
Influenza  
Surveillance Memo](#)

### AFHSC Suggested Sampling Strategy for Future Surveillance and Monitoring of Influenza Activity at DoD Installations

Samples Collected (Per Week): **8-10** 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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