



DEPARTMENT OF DEFENSE

Weekly Influenza Surveillance Summary



16 November 2010

DoD Summary

- Influenza-like illness (ILI) and pneumonia & influenza (P&I) remain below previous season levels across the military health system
- Lab-confirmed cases of influenza have increased over the past two weeks at DoD military labs and medical centers
- Vaccine coverage for active duty service members is currently at 70%

Laboratory Surveillance

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

- No DoD sentinel surveillance sites are experiencing elevated ILI above the 7-year average for this time of year
- One pH1N1, two influenza A/H3N2 and two influenza B samples were identified this week from all submitting military sites
- Three of the five positive influenza samples are from the CENTCOM area of operations (2-H3N2 and 1-pH1N1)

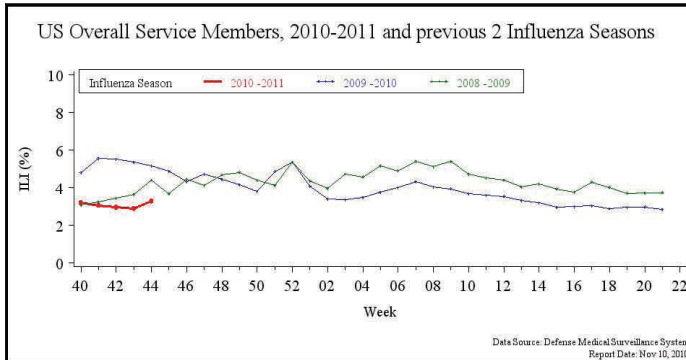
Naval Health Research Center (Source: lab-based recruits, shipboard and border surveillance) [View Report](#) [Contact](#)

- Febrile respiratory illness rates are at or below expected values at all basic military recruit training centers
- Two new influenza A/H3N2 viruses were isolated from adult civilians as part of the surveillance in Imperial County, California

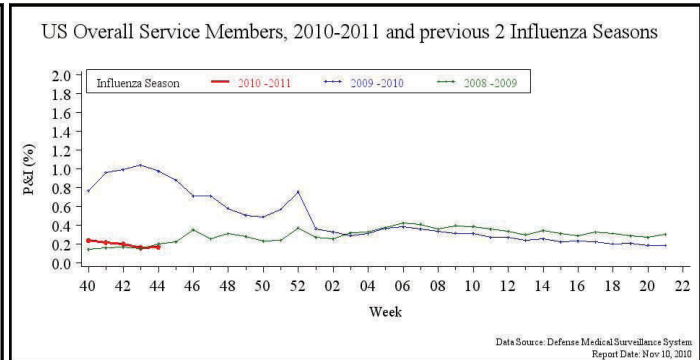
Electronic Surveillance

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

- Clinical encounters for ILI (Graph 1) and P&I (Graph 2) remain at or below levels of the two previous influenza seasons
- There have only been three influenza –associated hospitalizations reported since June
- ESSENCE: Clinic visit counts throughout the Pacific (Hawaii, Japan and South Korea) have stabilized over the past 2 weeks



Graph 1: Percent Influenza-like Illness



Graph 2: Percent Pneumonia and Influenza

Global Surveillance Network

TAMC:

- To date, eight influenza viruses have been isolated at the TAMC laboratory since June of 2010
- Clinic visits for ILI in Hawaii remain at levels consistent with previous influenza seasons

Europe:

- Overall ILI activity throughout Europe remains low with only two sites showing alerts for respiratory illness in ESSENCE
- Non-influenza viruses continue to drive the ILI burden at military medical treatment facilities

Immunization Updates

(Active Component)	DoD-All*	ARMY	MARINES*	NAVY	COAST GUARD	AIR FORCE
Seasonal Influenza Vaccine	70%	78%	54%	70%	84%	83%

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 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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