

## **Disparities in influenza vaccination coverage in US adults associated with place of preventive health care location, 2015**

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**TOPIC/TARGET AUDIENCE:** Communicable/Infectious Disease Epidemiologists; Medical Practitioners

**ABSTRACT:** Introduction: Adult influenza vaccinations coverage continues to remain below targeted national goals of 70% annually. All medical facilities are recommended to facilitate influenza vaccination uptake however; it is unknown if vaccination coverage differs based on where adults seek preventive health care. Methods: Data was analyzed from the 2015 National Health Interview Survey to estimate influenza vaccination coverage within the last 12 months among adults. Adjusted odds ratios were calculated comparing places of preventive health care (health center's or clinics; emergency departments or outpatient; some other health care place; doesn't receive preventive health care) to doctor's offices or HMOs using survey-weighted logistic regression and adjusted for related covariates. Results: Influenza vaccination coverage was 43.5% among adults in the last 12 months. Approximately 40% of adults did not seek preventive care or at a location other than a doctor's office or HMOs. Adults who did not go to a doctor's office or HMO for preventive care were 8-24% less likely to receive an influenza vaccine. Conclusions: Influenza vaccination coverage remains below targeted national goals and varied by place of preventive care sought. Future research is needed to understand why influenza vaccination coverage varies at places of preventive cares despite established recommendations.

### **OBJECTIVE(S):**

1. Explain the association between preventive health care location and influenza vaccination coverage
2. Identify populations at higher odds for being unvaccinated for influenza

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