



Increasing Flu Vaccination of Healthcare Personnel Workgroup Update

**Jennifer Gordon, PhD
Office of the Assistant Secretary for Health**



Health Care-Associated Influenza Infections – Who is at the greatest risk?





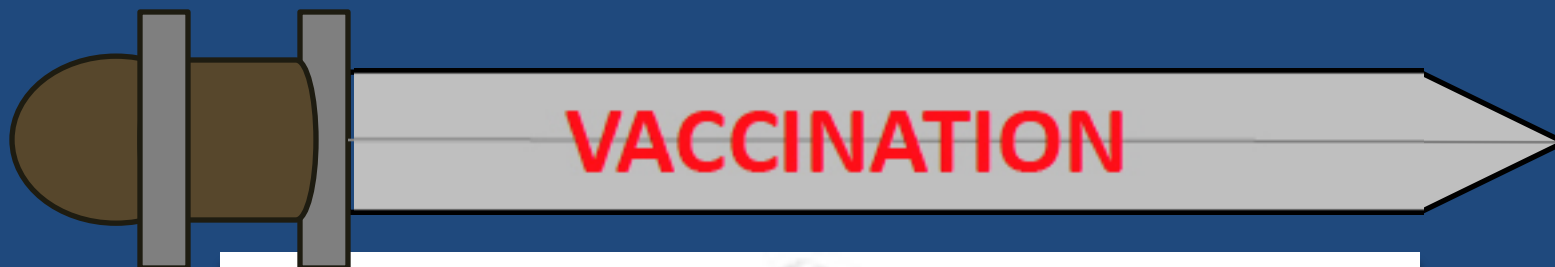
Influenza and Healthcare Personnel (HCP)

- Estimated that on average >200,000 people are hospitalized with influenza infections annually
- HCP are at a higher risk of influenza infection than other healthy adults Kuster PLoS ONE (2011); 6 (10).
- Prevention of HAI requires ongoing adherence to prevention strategies that optimize protection of both patients and HCP.





Influenza Infection Prevention Plans



- Hand / Cough Etiquette
- Respiratory droplet precautions
- Screening/Isolation of ill patients
- Appropriate management of ill HCP
- Environmental infection prevention
- Use of Personal Protective Equipment
- Use of Antiviral medication



Influenza and Healthcare Personnel (HCP)

- Asymptomatic/mildly symptomatic HCP may continue to work while ill, exposing patients and co-workers
 - Elder (1996) – 71/120 HCP testing positive for influenza could not recall having influenza and 32/120 HCP could not recall any respiratory infection
- Several studies indicate vaccinating HCP has a protective effect for patients, notably in LTCF
(Dolan, 2012; LeMaitre, 2009; Hayward, 2006; Carman, 2000; Potter, 1997)
 - However current data is limited and additional research on patient impacts is needed
 - Vaccination is our most effective intervention; promoting vaccination is important for ensuring the well-being of both patients and HCP.
- HCP as role models for patients



Influenza Vaccination of HCP is a priority

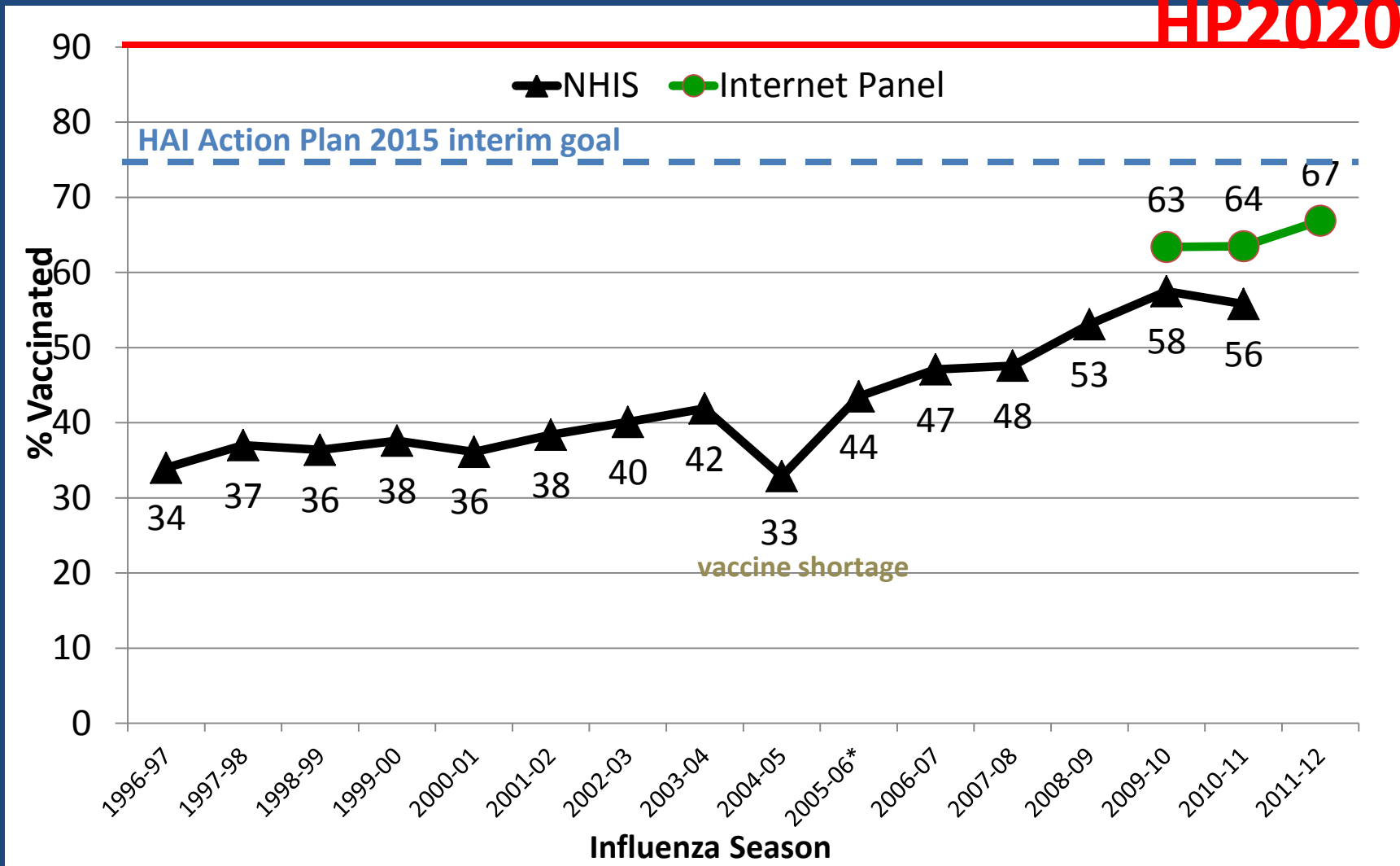
- ACIP Recommendation – last updated Nov 2011
- WHO recommendations
 - Countries worldwide recommend vaccination of HCP (Music, 2011).
- Healthy People Goals for annual influenza vaccine coverage in HCP
 - HP2010** - 60% - Achieved in 2009-2010 season
 - HP2020** – 90%
- HAI Action Plan Interim 2015 Goal – 75%





Vaccination Coverage in HCP 1996-2012

HP2020



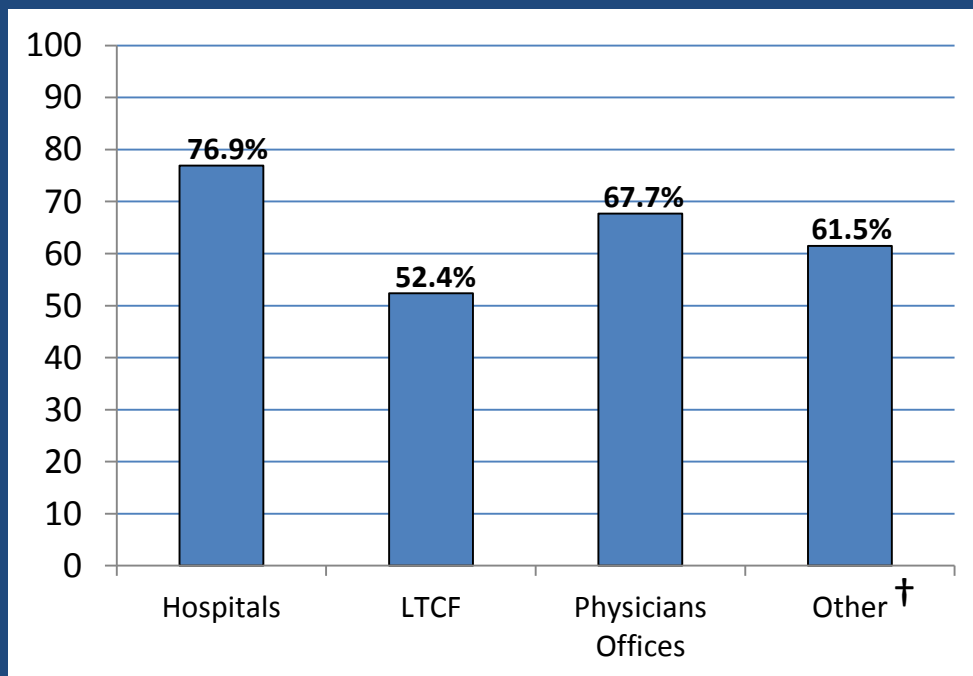
* NHIS Methodology used to estimate influenza vaccination coverage among healthcare personnel changed during the 2005-06 season

- Sources: Internet Panel Surveys - MMWR 2012;61(38);
- National Health Interview Survey (NHIS) - Lu et al. CDC unpublished and http://www.cdc.gov/flu/pdf/professionals/nhis89_08fluvaxtrendtab.pdf;

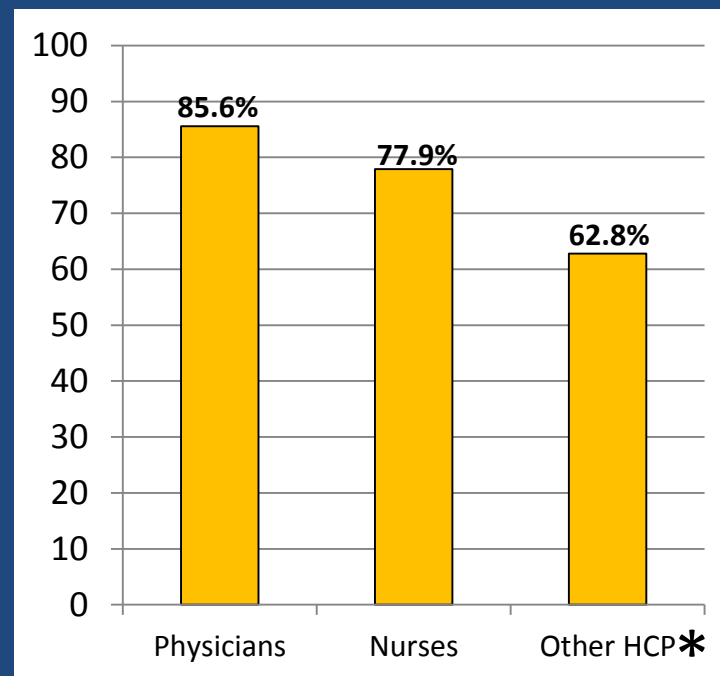


Differences continue to exist among work settings and occupations

Healthcare Setting



Occupation



†Other healthcare settings include dental offices, pharmacies, nonhospital laboratories, medical-related schools, emergency technician sites, and home medical-care sites

*Other HCP includes dentists, nurse practitioners or physician's assistants, allied health professionals, technicians or technologists, assistants or aides, administrative support staff members or managers, and nonclinical support staff members (such as food service workers, housekeeping staff members, maintenance staff members, janitors, and laundry workers)



Improving vaccination rates for HCP – Evidence-based Strategies



- Strong Leadership and Commitment
- Education and Campaigns for HCPs and Patients
- Improved Access
- Measurement and Feedback
- Mandatory Policies



Measuring Progress

NQF Measure #0431

Influenza Vaccination Coverage among HCP

CDC-sponsored measure

Standardized methodology for reporting within a single facility and for comparison across facilities

Includes HCP working in the healthcare facility for at least 30 working days (October 1-March 31)

Vaccination calculated for three HCP groups

Employees

Licensed Independent Practitioners

Adult students/ trainees and volunteers

Numerator for all three HCP groups

HCP receiving vax at healthcare facility

Documentation that vax was received at another site

Valid medical contraindication

Offered but declined

Unknown vax status



HCP Vaccination as a Quality Measure: CMS Mandatory Reporting Requirements

Acute Care Hospitals - Final rule published August 2011

- Data collected via CDC's National Healthcare Safety Network (NHSN)
- Data collection starting January 1, 2013 for FY2015 payment determination
- Fail to report data = 2% reduction in annual payment increase from CMS
- 2013-2014 season – data will be made available on hospitalcompare.hhs.gov website

Ambulatory Surgical Centers - Final rule published November 2011

Long Term Care Hospitals - Final rule published August 2012



Collaborations for Shared Solutions

- Continue to enhance interagency collaborations and engage stakeholders in the initiative to improve HCP vaccination
 - HHS WG led by OASH
 - LTCF stakeholder workshop conducted in September, 2011
- Continue to develop, synthesize, and improve tools for raising vaccination coverage
 - Evaluate laws related to HCP influenza vaccination requirements
 - Develop and disseminate tool kit for LTCF
- Develop, implement, and improve measures and standards for influenza vaccination of HCP





Thank You!



**Healthcare providers
make a difference.
The Flu ends with U.**