



HEALTHCARE PERSONNEL INFLUENZA VACCINATION COVERAGE: 2018-19 SEASON

Megan C. Lindley, MPH

Immunization Services Division

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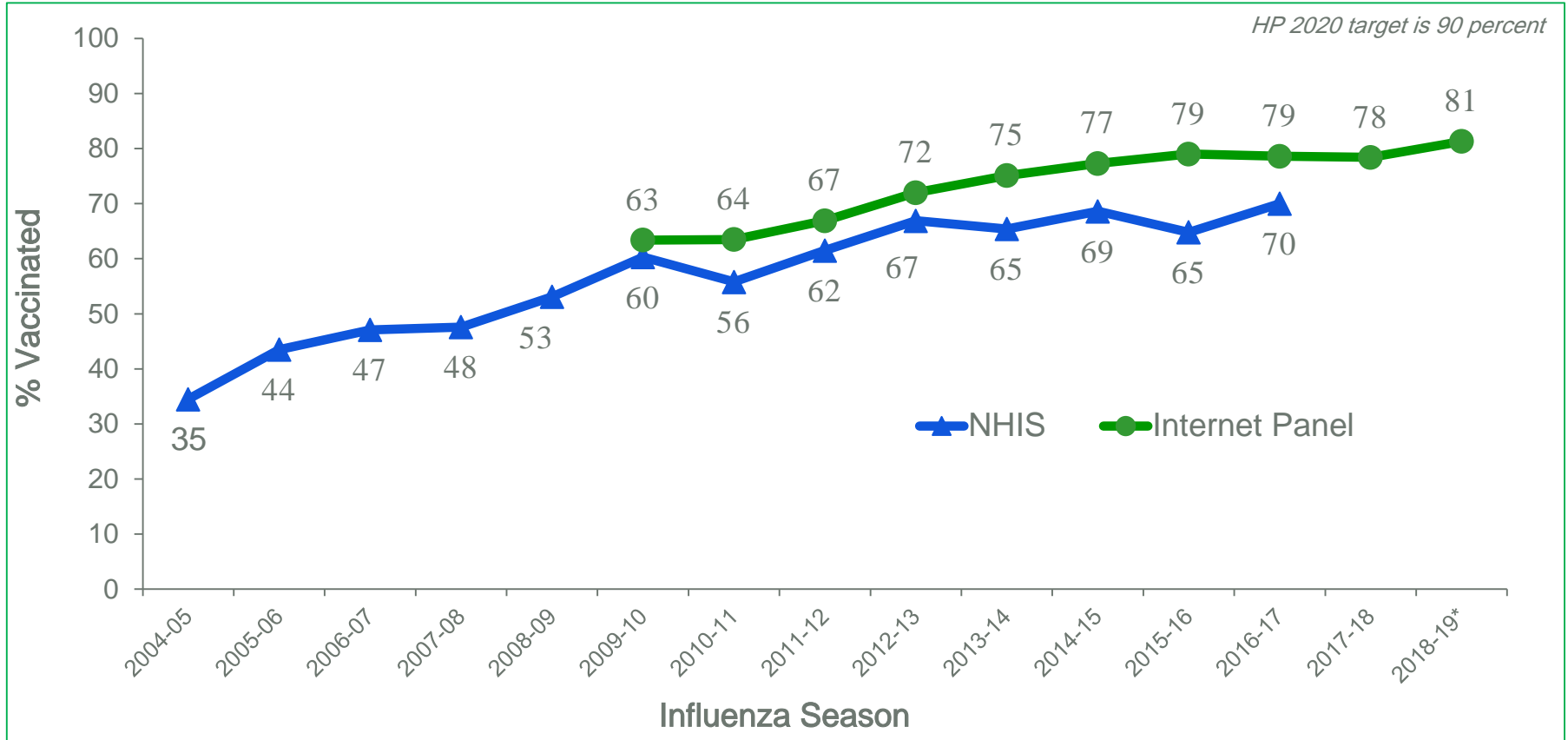
Internet Panel Survey Methods

- **Similar surveys conducted since 2010-11 influenza season**
- **Healthcare personnel recruited from two pre-existing panels**
 - Medscape/WebMD for most clinical personnel
 - SSI (now Dynata) for assistants/aides and non-clinical personnel
- **Responses weighted to U.S. population of HCP by occupation, age, sex, race/ethnicity, work setting, and Census region**
- **Non-probability sample so no statistical testing**
 - 5 percentage point differences noted

Results: 2018-19 HCP Internet Panel Survey

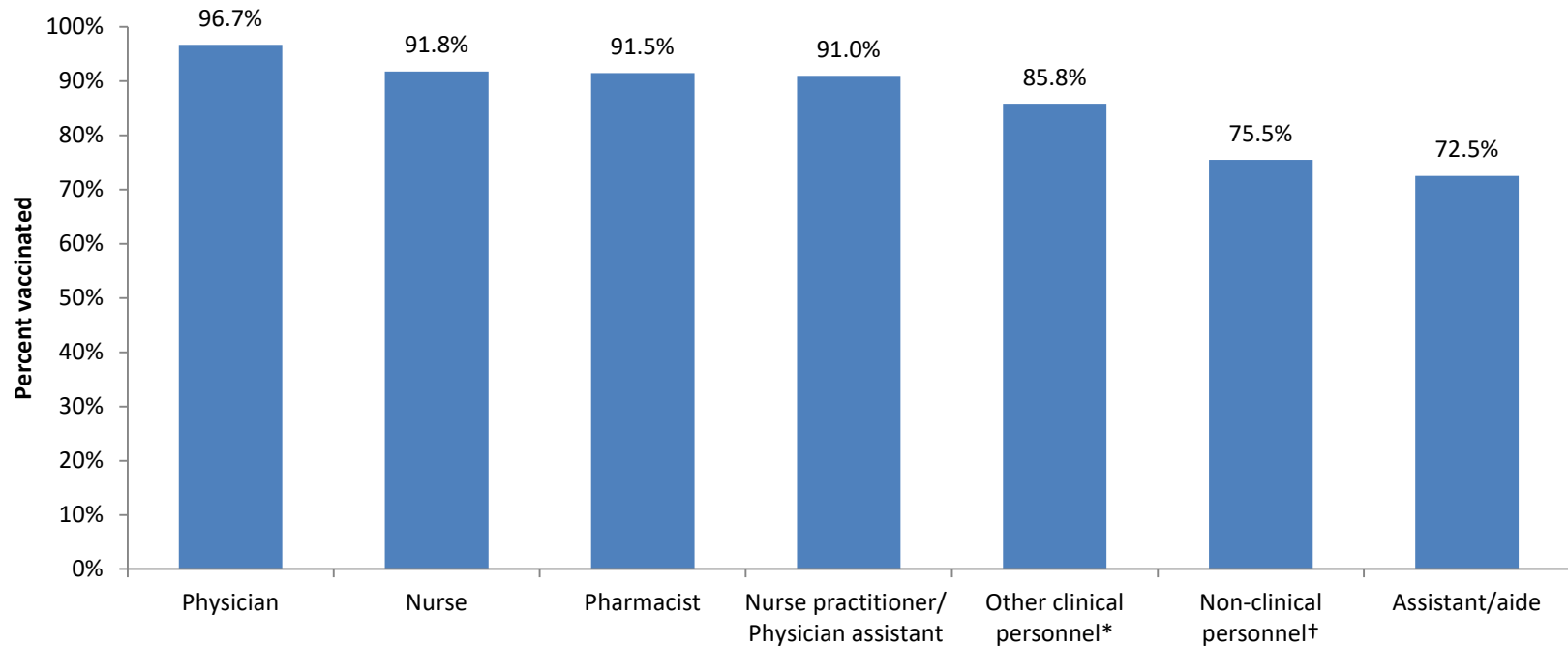
- **Conducted March 26-April 18, 2019**
- **Of 2,512 beginning the survey, 2,432 finished (97% completion rate)**
 - Excluded 45 respondents not in settings of interest
 - Excluded 1 respondent not adequately reporting vaccination status
 - Final sample: 2,386
- **Full report at www.cdc.gov/flu/fluview/hcp-coverage_1819estimates.htm**

Estimated Influenza Vaccination Coverage, Healthcare Personnel, 2004-05 to 2018-19 Seasons



HCP Influenza Vaccination Coverage by Occupation, 2018-19 Season

Influenza vaccination coverage among health care personnel by occupation – Internet panel survey, United States, 2018-19 influenza season

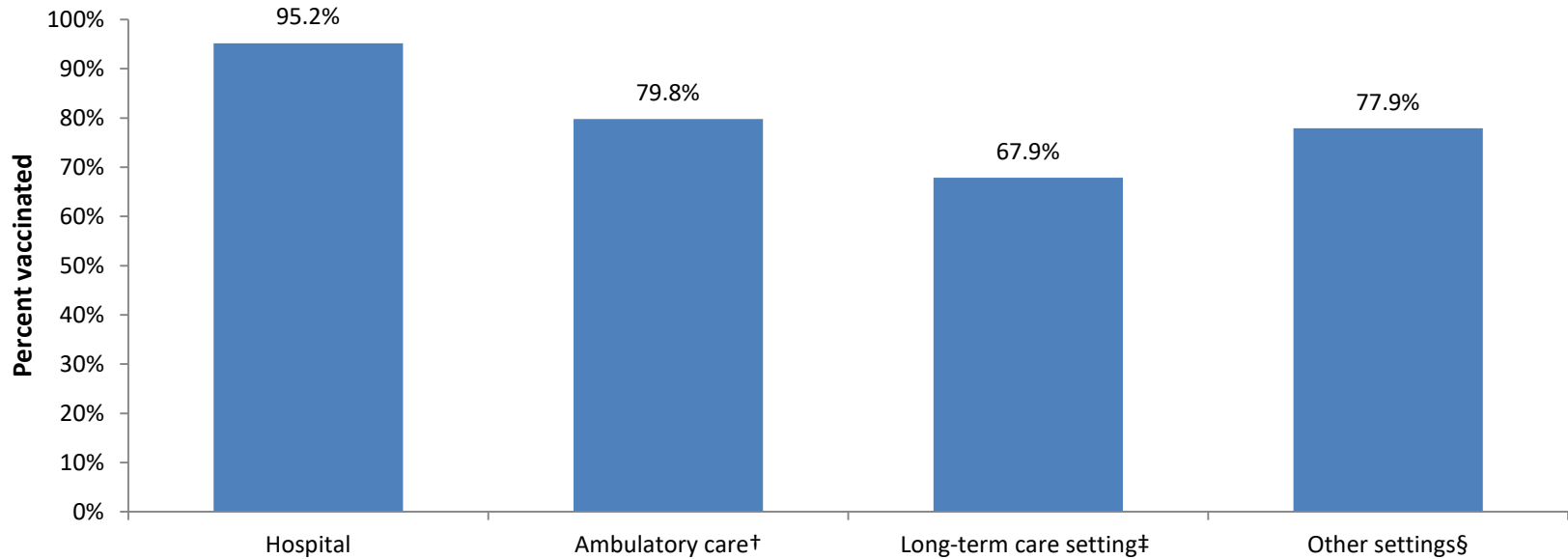


* Dentists, allied health professionals, technicians and technologists, EMTs and paramedics

† Administrative support staff and managers and non-clinical support staff

HCP Influenza Vaccination Coverage by Work Setting, 2018-19 Season

Influenza vaccination coverage among health care personnel by work setting* – Internet panel survey, United States, 2018-19 influenza season



* Respondents may select more than one work setting

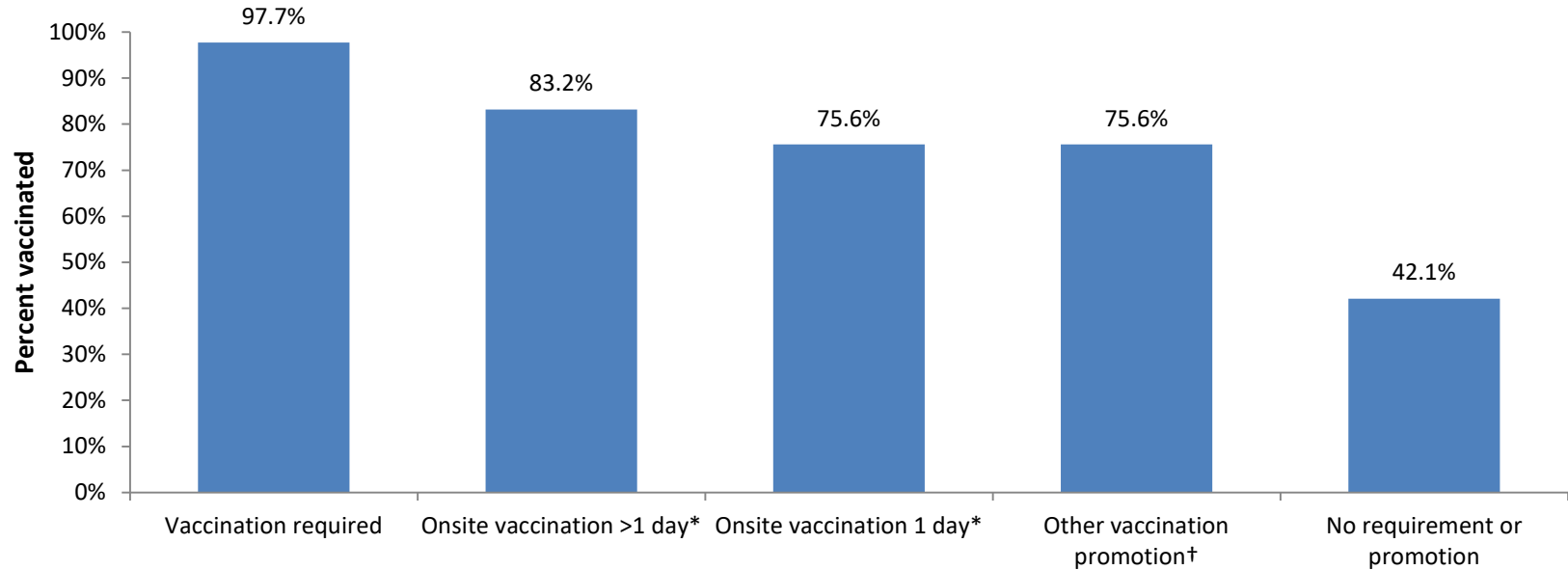
† Physician's office or other non-hospital setting, such as any medical clinic or any other outpatient or ambulatory care settings

‡ Nursing home, assisted living facility, other long-term care facility, home health agency or home health care

§ Settings other than hospitals, ambulatory care setting, or long-term care facilities; includes dentist office or dental clinic, pharmacy, EMS, and other settings where clinical care or related services was provided to patients

HCP Influenza Vaccination Coverage by Employer Vaccination Policy, 2018-19 Season

Influenza vaccination coverage among health care personnel by employer policy – Internet panel survey, United States, 2018-19 influenza season



* Employer makes vaccine available at no cost; restricted to those not reporting a vaccination requirement

† Public identification of vaccinated HCP, financial incentives/rewards to individuals or groups, competition between units, free or subsidized vaccination, personal vaccination reminders, or publicizing HCP vaccination coverage rates; restricted to those not reporting a vaccination requirement or onsite vaccination

Comparison to Previous Season

- **Compared to Internet panel survey data from the 2017-18 season:**
 - Overall HCP influenza coverage was similar
 - Coverage by occupation type was similar
 - Coverage by work setting was similar
- **Distribution of employer vaccination policies was similar, but:**
 - Coverage at sites with onsite vaccination >1 day increased 7.2 percentage points
 - Coverage at sites with onsite vaccination 1 day increased 5.1 percentage points
 - Coverage at sites with no promotion decreased 5.5 percentage points

Limitations

- **Vaccination data are self-reported and not validated with medical records**
 - Published studies of validity of self-report of adult influenza vaccination have shown mixed results, with net bias ranging from 1%-29%.
- **Employer vaccination policy is self-reported and not validated**
- **Bias might remain after weighting adjustments**
 - Internet panel surveys included volunteers who self-selected entry into the panel and participation in the survey and excluded those with no Internet access or who chose not to join the Internet panel.

Conclusions

- **Overall HCP influenza vaccination coverage has plateaued since the 2014-15 influenza season**
- **HCP influenza vaccination coverage remains below the Healthy People 2020 target***
 - 90% coverage reached for several clinical subgroups of HCP
- **Facilities can increase HCP influenza vaccination coverage by implementing worksite vaccination promotion activities**
 - www.thecommunityguide.org/findings/worksite-seasonal-influenza-vaccinations-healthcare-on-site
 - www.cdc.gov/flu/toolkit/long-term-care/index.htm

* HP2020 target for HCP is measured using NHIS data.

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