HEALTHCARE PERSONNEL INFLUENZA VACCINATION COVERAGE: 2018-19 SEASON

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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/fluvoxview/hcp-coverage_1819estimates.htm](http://www.cdc.gov/flu/fluvoxview/hcp-coverage_1819estimates.htm)
Estimated Influenza Vaccination Coverage, Healthcare Personnel, 2004-05 to 2018-19 Seasons

HP 2020 target is 90 percent
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

- Physician: 96.7%
- Nurse: 91.8%
- Pharmacist: 91.5%
- Nurse practitioner/Physician assistant: 91.0%
- Other clinical personnel*: 85.8%
- Non-clinical personnel†: 75.5%
- Assistant/aide: 72.5%

* Dentists, allied health professionals, technicians and technologists, EMTs and paramedics
† Administrative support staff and managers and non-clinical support staff
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

- Vaccination required: 97.7%
- Onsite vaccination >1 day*: 83.2%
- Onsite vaccination 1 day*: 75.6%
- Other vaccination promotion†: 75.6%
- No requirement or promotion: 42.1%

* 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](http://www.thecommunityguide.org/findings/worksite-seasonal-influenza-vaccinations-healthcare-on-site)

* HP2020 target for HCP is measured using NHIS data.
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