



Influenza Vaccination Coverage Among Pregnant Women, United States, 2019–20 Influenza Season

Hilda Razzaghi, PhD

Assessment Branch, ISD

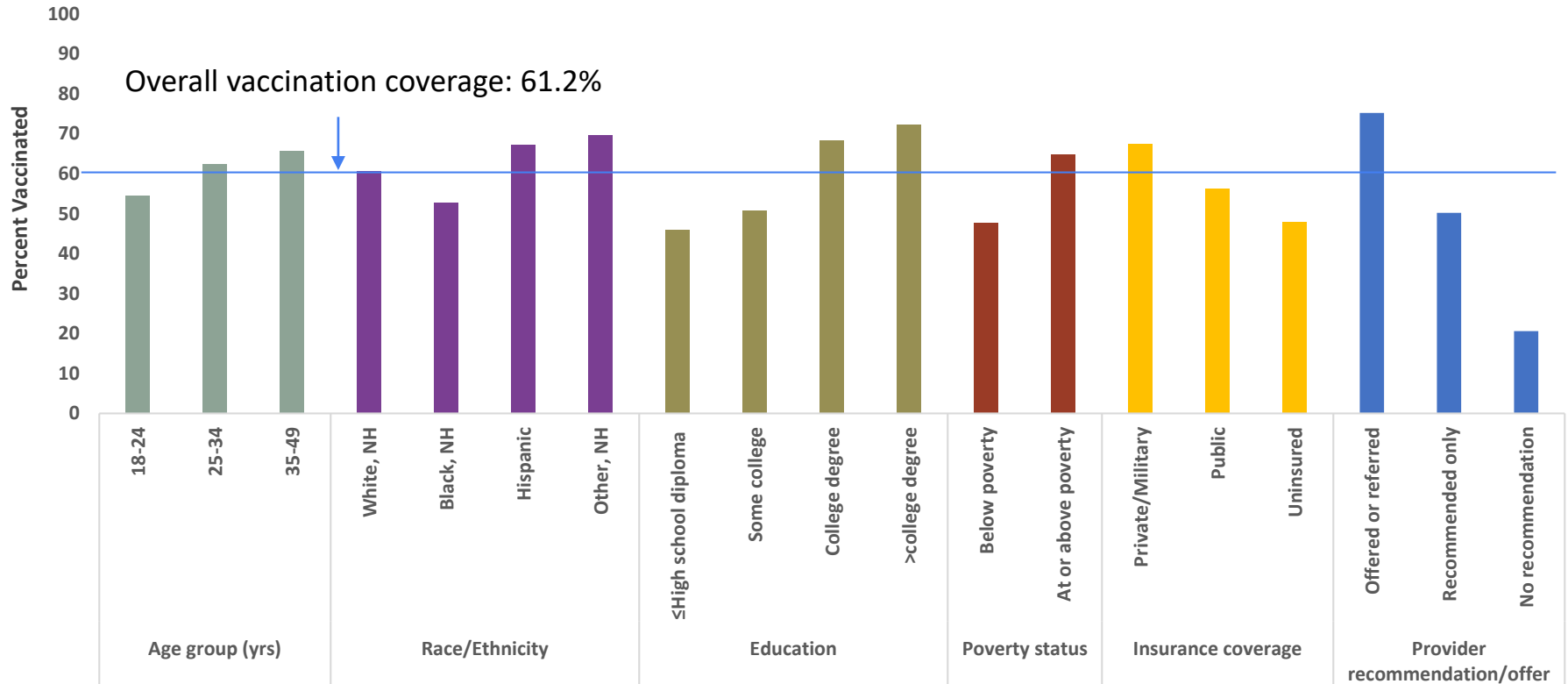
Influenza Summit Call

October 1, 2020

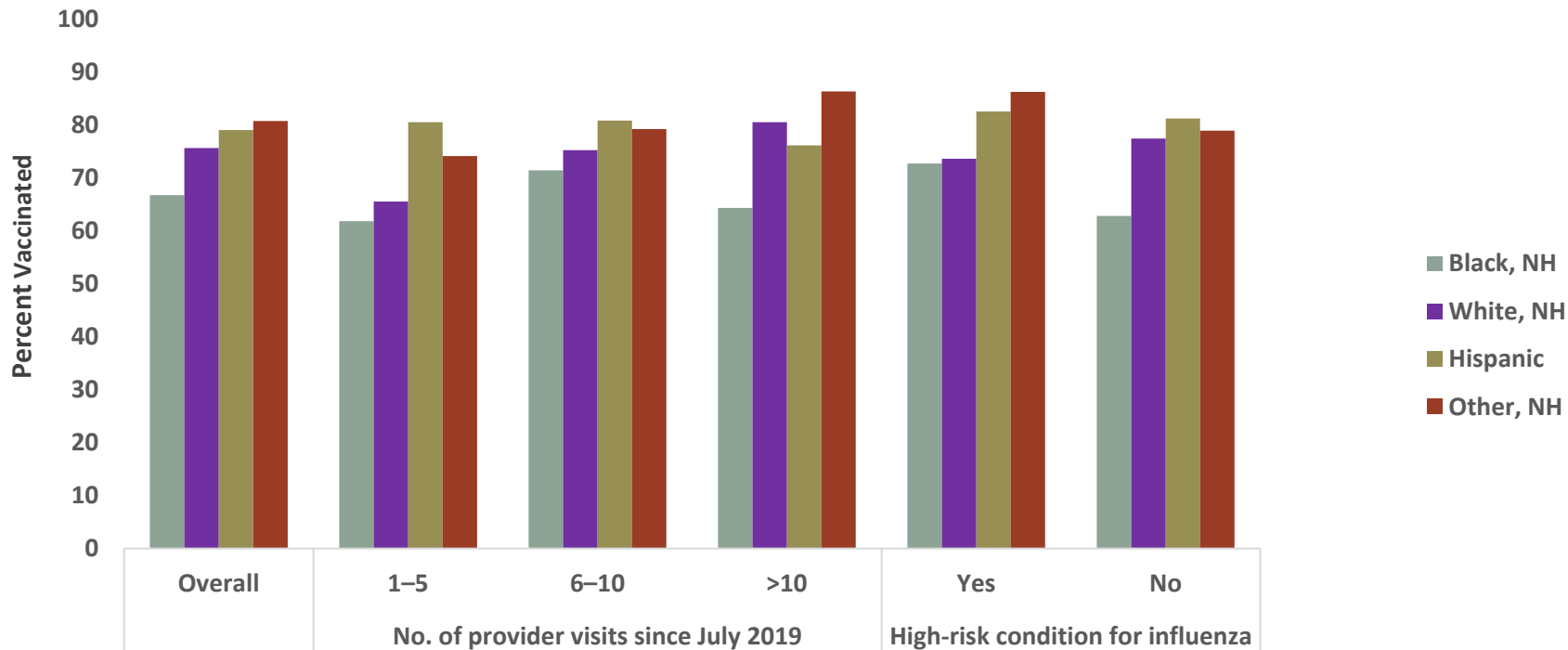
Data Source and Methods

- **Opt-in Internet panel survey conducted April 2 – 14, 2020.**
- **Study population**
 - **Women 18-49 who were pregnant during the peak vaccination period (October 2019 – January 2020) (n=1,841).**
- **Measure of vaccination coverage**
 - **Any reported influenza vaccination received (before and during pregnancy) since July 1, 2019 to time of interview in April 2020.**
- **Sampled women were weighted to represent the national population of pregnant women.**
- **Differences were noted when a percentage-point difference of ≥ 5 was observed between any values being compared.**

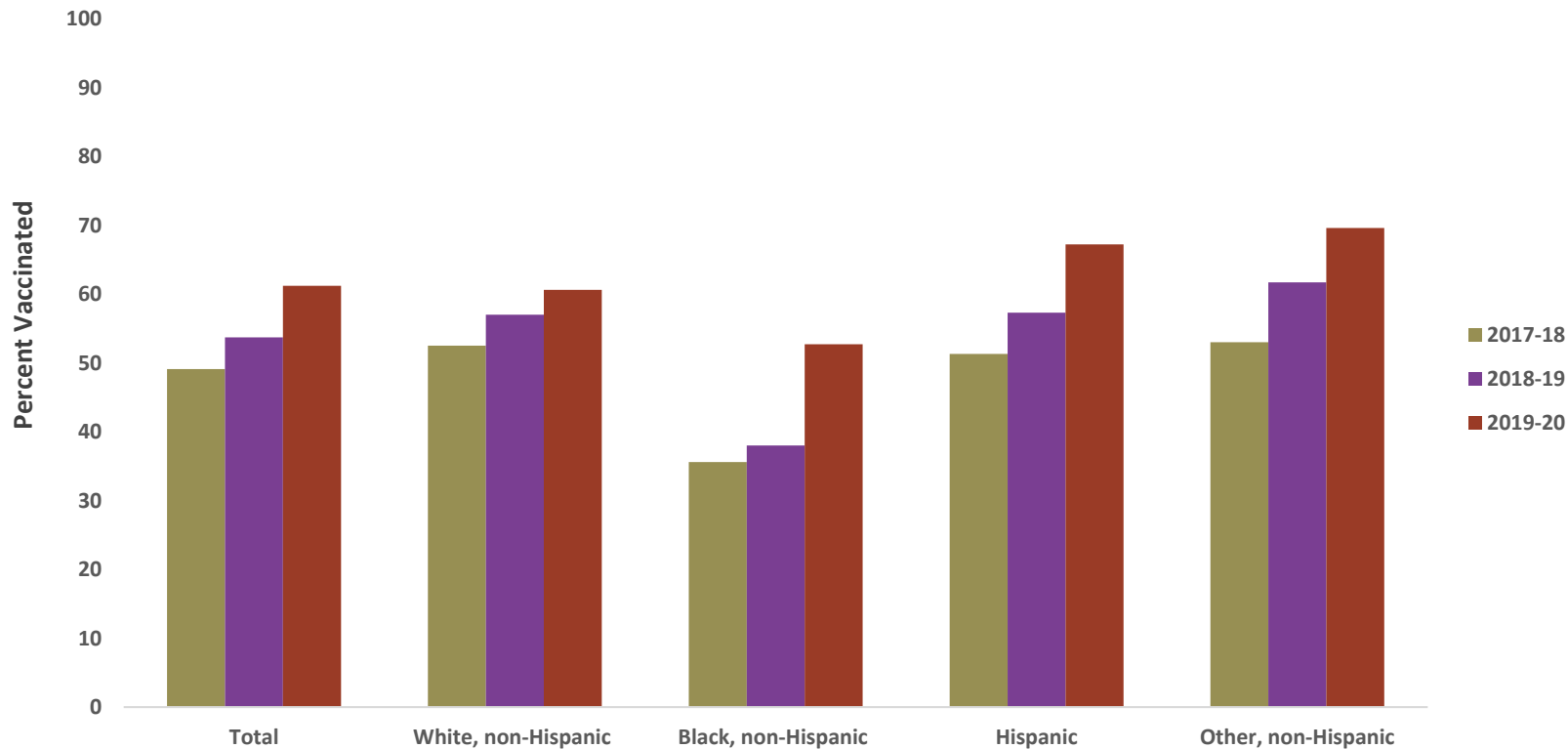
Influenza Vaccination Coverage by Socio-demographic Characteristics, Internet Panel Survey, United States, 2019–20 Influenza Season



Influenza Vaccination Coverage Among Pregnant Women Who Reported a Health Care Provider Offer or Referral for Vaccination, 2019–20 Influenza Season



Influenza Vaccination Coverage among Pregnant Women Pregnant by Race/Ethnicity – Internet Panel Survey, United States, 2017–18 through 2019–20 Influenza Seasons



Conclusions

- During the 2019–20 influenza season, 61.2% of pregnant women reported receiving influenza vaccination, an increase of 7.5 percentage points compared with the previous season.
- Although racial/ethnic disparities in vaccination persist, the magnitude in coverage differences were reduced in the 2019–20 influenza season as a result of increased vaccination coverage in Black, Hispanic, and other race women.
- A provider recommendation and offer remains a strong factor associated with vaccination coverage among pregnant women.

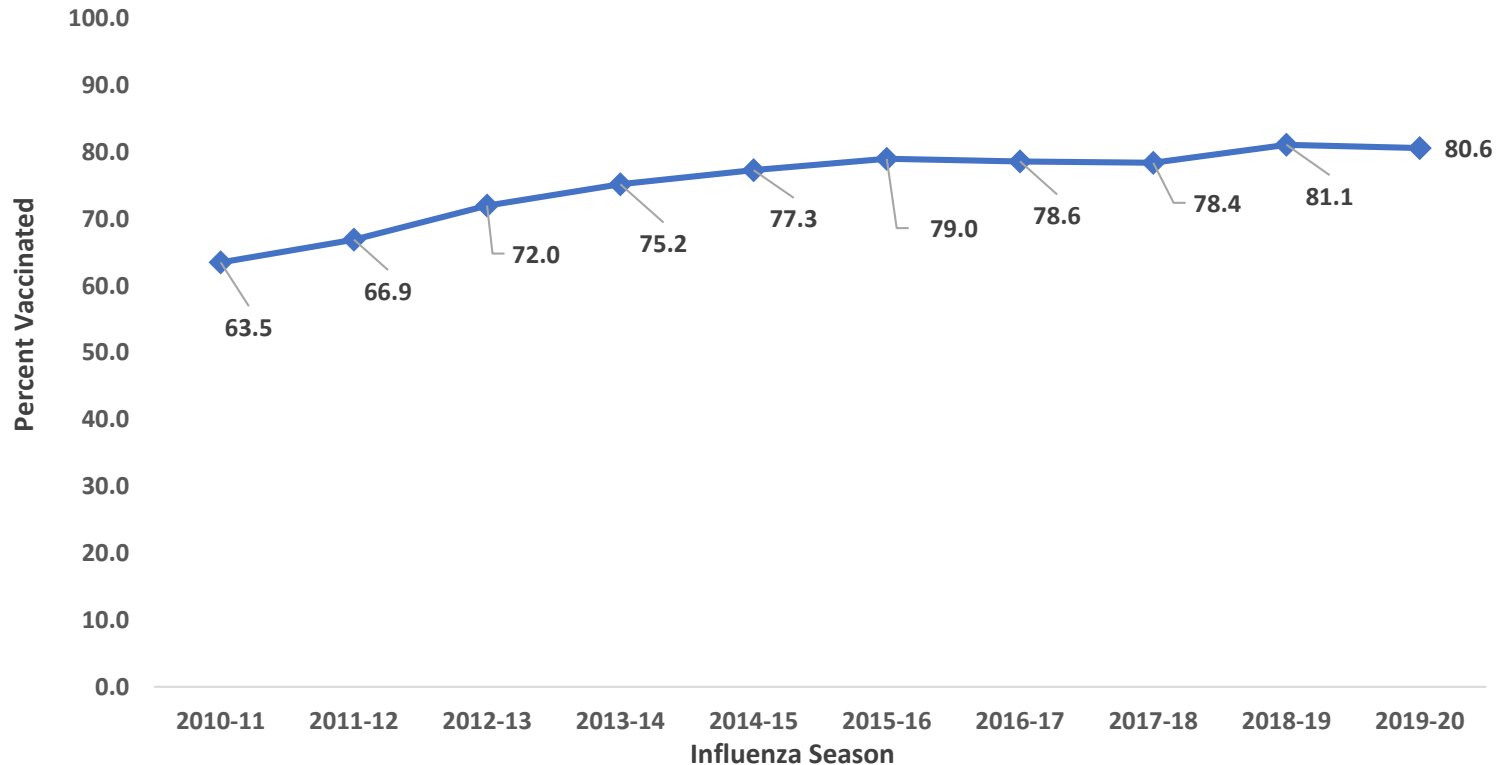


Influenza Vaccination Coverage Among Health Care Personnel — United States, 2019–20 Influenza Season

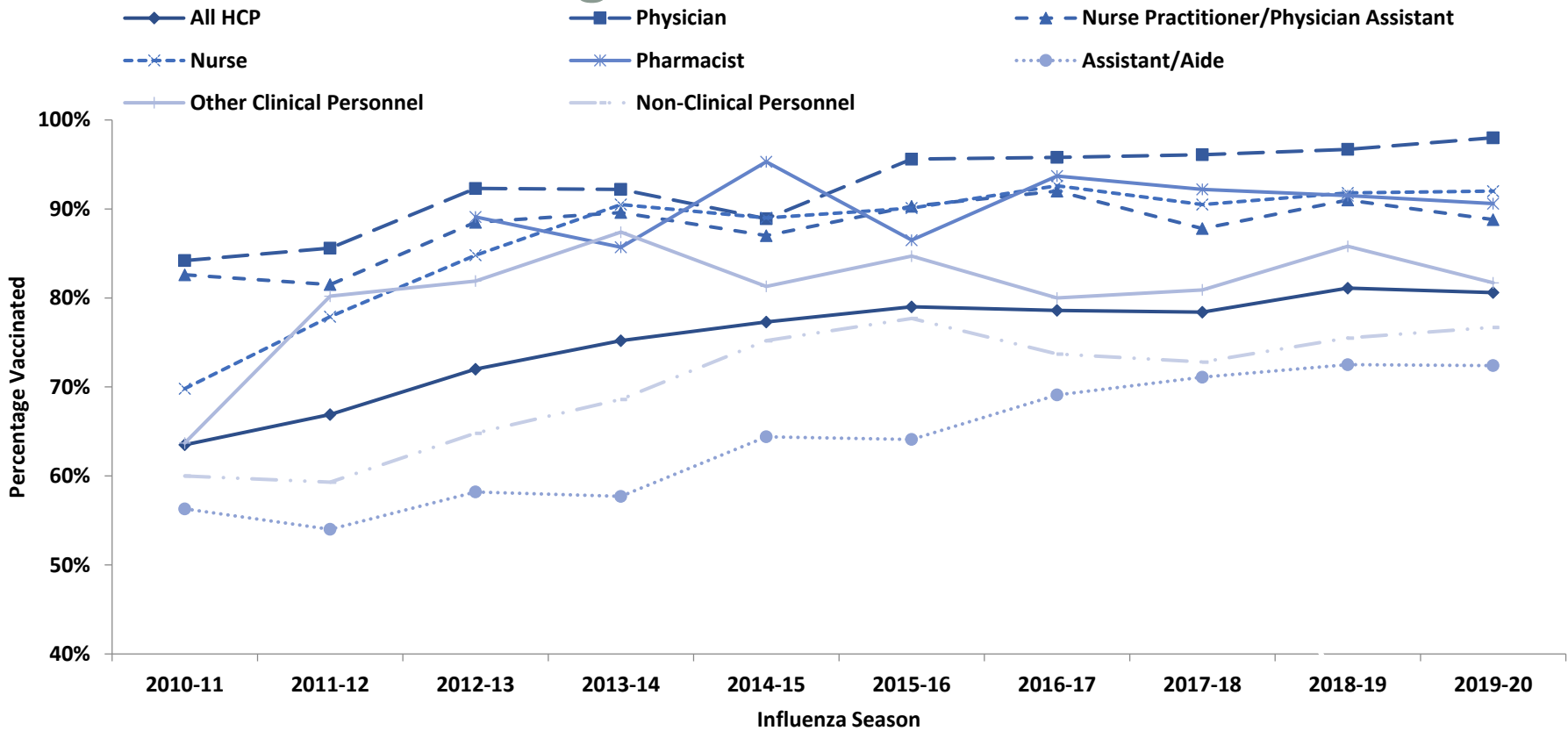
Data Source and Methods

- **Non-probability Internet panel survey of 2,401 health care personnel (HCP) conducted March 31–April 30, 2020.**
- **Respondents were recruited from two preexisting national opt-in Internet sources:**
 - **Medscape, a medical website managed by WebMD Health Professional Network**
 - **General population Internet panels operated by Dynata**
- **Responses were weighted to represent the national population of HCP.**
- **Differences were noted when a percentage-point difference of ≥ 5 was found between any values being compared.**

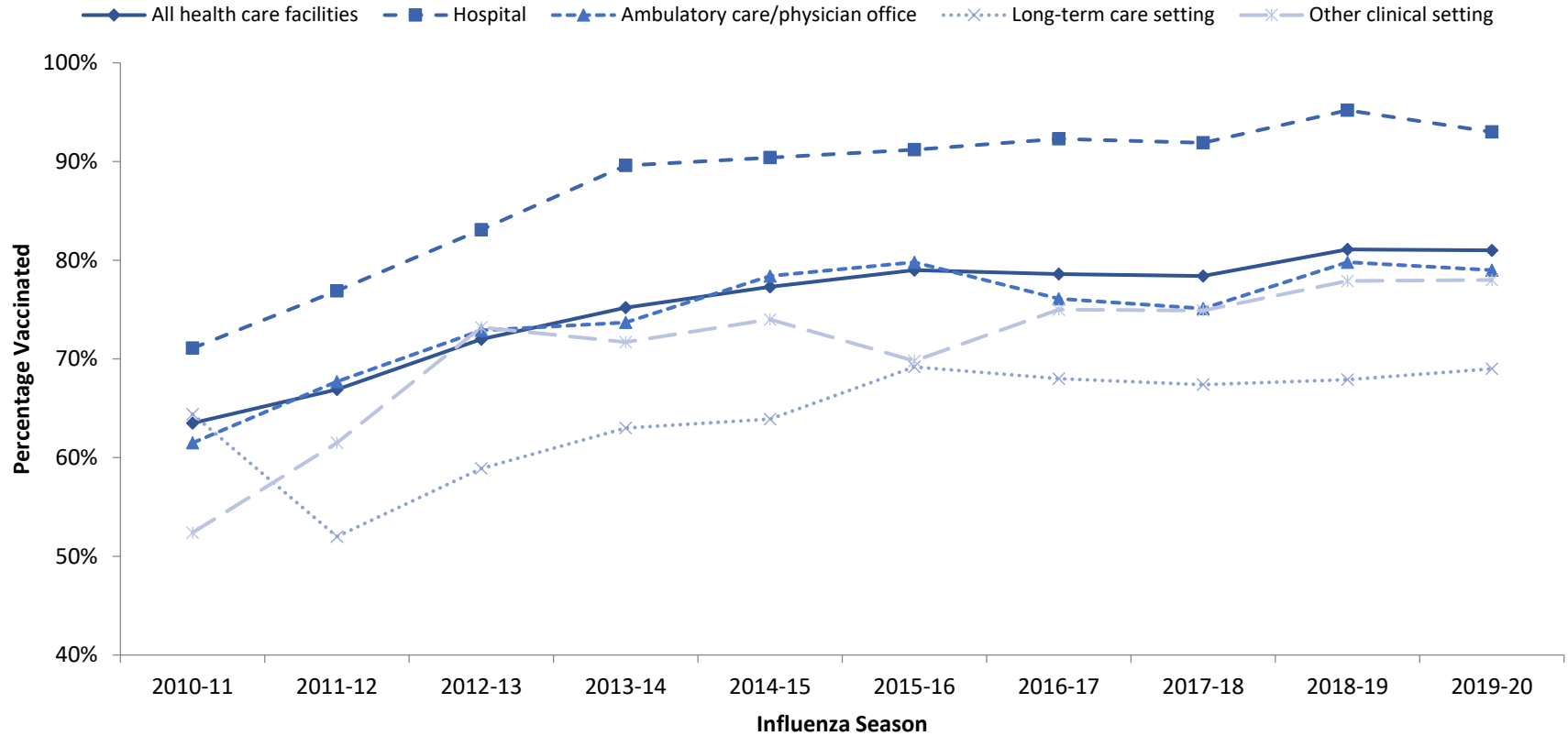
Influenza Vaccination Coverage Among HCP – Internet Panel Survey, United States, 2010–11 through 2019–20 Influenza Seasons



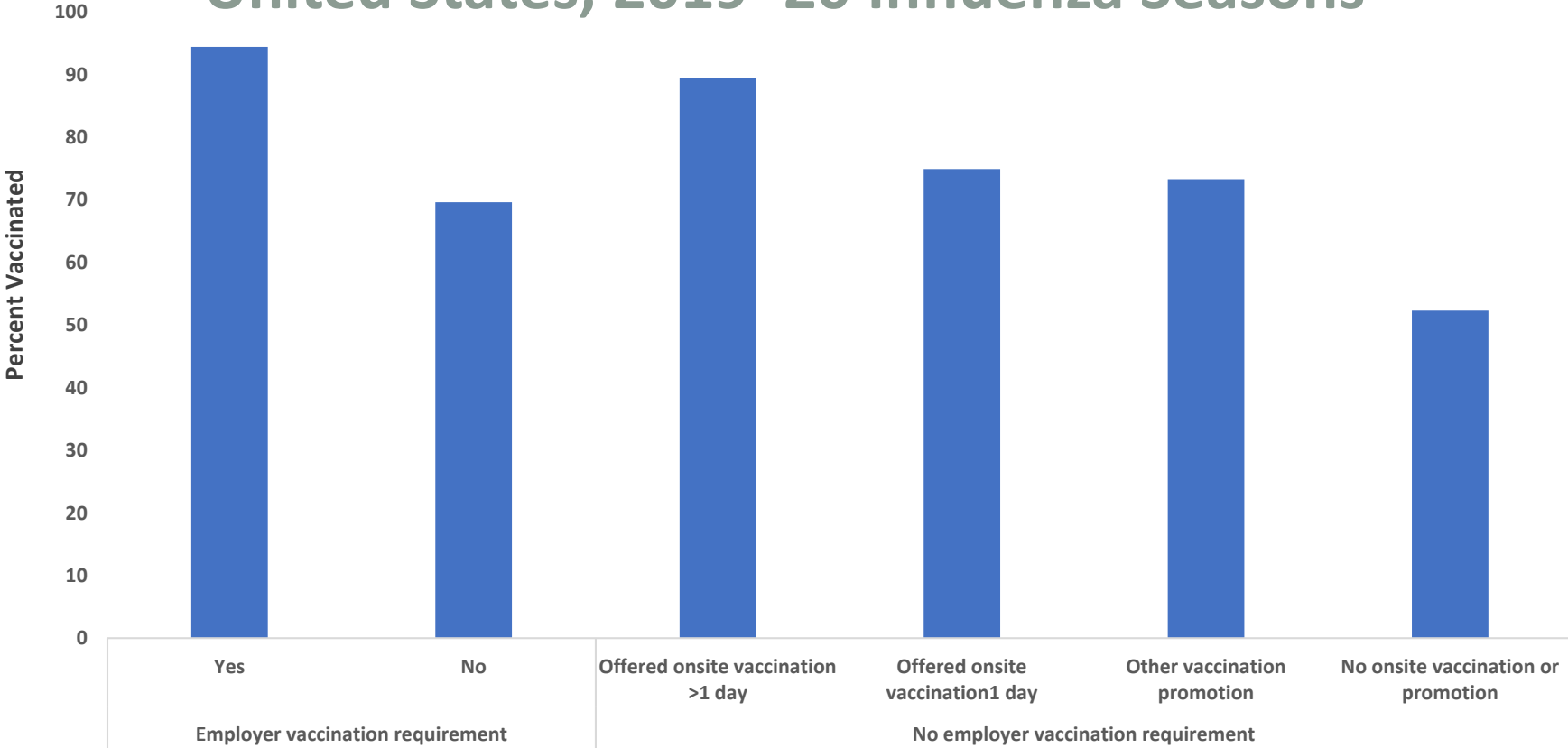
Influenza Vaccination Coverage Among HCP by Occupation – Internet Panel Survey, United States, 2010–11 through 2019–20 Influenza Seasons



Influenza Vaccination Coverage Among HCP by Work Setting – Internet Panel Survey, United States, 2010–11 through 2019–20 Influenza Seasons



Influenza Vaccination Coverage Among HCP by Employer Vaccination Policy – Internet Panel Survey, United States, 2019–20 Influenza Seasons



Conclusions

- **Vaccination coverage among HCP was 80.6% in the 2019–20 influenza season.**
 - 17 percentage point increase since 2010–11 season
 - Similar to 2018–19 season
- **Coverage continues to be higher among HCP working in hospitals and lowest among HCP working in long-term care settings.**
- **Higher vaccination coverage among HCP was associated with employer vaccination requirements or promotions such as onsite vaccination.**

Limitations

- **The sample was a non-probability sample, and results might not be generalizable to all pregnant women or HCP in the United States.**
- **Vaccination status was self-reported and might be subject to recall or social desirability bias.**
- **Non-coverage and nonresponse bias might remain after weighting adjustments.**

Links to Reports

- Pregnant Women MMWR:

[http://dx.doi.org/10.15585/mmwr.mm6939a2.](http://dx.doi.org/10.15585/mmwr.mm6939a2)

- Health Care Personnel Report:

https://www.cdc.gov/flu/fluview/hcp-coverage_1920estimates.htm

Acknowledgements

- Cristian Acero
- Carla Black
- Angela Cheung
- Denise D'Angelo
- Marie DePerio
- Fiona Havers
- Tara Jatlaoui
- Zuha Jeddy
- Katherine Kahn
- Scott Laney
- Megan Lindley
- Peng-Jun Lu
- Amy Parker Fiebelkorn
- Nicholas Ruther
- Jim Singleton
- Walter Williams
- Meredith Wesley

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

