

Cancer Control Research on the HPV Vaccine: Update from the National Cancer Institute

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National Vaccine Advisory
Committee Meeting
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The National Cancer Program

SCOPE OF OUR WORK

Conduct and support cancer
Research
Training
Health information
dissemination
Goals 3 and 5 of the
National Vaccine Plan



NCI's HPV Vaccine Research

Intramural research at NCI

Kreimer/Schiller – speaking next



Extramural funding, domestic and international



Extramural Tools

Fund Research

NCI-Funded Cancer Centers – Infrastructure

Surveillance

Collaboration with National Partners

HPV Vaccine Research: Healthcare Delivery

Linking the Provider Recommendation to HPV Vaccine Uptake in Adolescents (PAR-16-038)



- Focus on ages 11/12 in areas with low uptake
- Multilevel required (clinic, parent/patient/doctor)
- Strong response, few funded

HPV Vaccine Research: Communication

Multi-Level Communication Strategies to Promote HPV Vaccination Uptake

- Develop and test multi-level health communication strategies to promote HPV vaccination in underserved or high-risk population
- Supplements to CDC Prevention Research Centers
- Three awarded (build library of messages for providers and parents; intervene with adolescents from 3 African countries living near Seattle; mobile App for Hmong adolescents)
- Two years \$1.3M

NCI-Designated Cancer Centers

Over 75% of all extramural research funded by NCI takes place at the 69 NCI-designated Cancer Centers

Centers with “Comprehensive” designation do lab, clinical and population sciences research.

Little focus on community surrounding the Centers until recently.

NCI-Funded Cancer Center Supplements

Local scans of barriers, facilitators,
implementation strategies in use

Promote collaboration with locals engaged in
HPV vaccine promotion



2017 Funded Centers and Catchment Areas

Institution	Center Name	State	Catchment Area For Supplement
Dartmouth-Hitchcock Medical Center	Norris Cotton Cancer Center	NH	States of New Hampshire and Vermont
Emory University	Winship Cancer Institute	GA	State of Georgia
Indiana University-Purdue, University at Indianapolis	Melvin and Bren Simon Cancer Center	IN	State of Indiana
Wayne State University	Barbara Ann Karmanos Cancer Institute	MI	Genesee, Oakland, Macomb, Wayne and Monroe Counties
Oregon Health & Science University	Knight Cancer Institute	OR	State of Oregon
Thomas Jefferson University	Sidney Kimmel Cancer Center	PA	"River Wards" of Philadelphia, Southwest Philadelphia and Camden, NJ
University of California, Davis	U.C. Davis Comprehensive Cancer Center	CA	13-counties in-land CA: Alpine, Amador Calaveras, El Dorado, Nevada, Placer, San Joaquin, Sacramento, Sierra, Solano Sutter, Yolo and Yuba,
University of California, San Diego	Moore's Cancer Center	CA	San Diego County
University of Iowa	Holden Comprehensive Cancer Center	IA	Rural counties in Iowa
University of Minnesota	Masonic Cancer Center	MN	State of Minnesota
University of Pittsburgh	University of Pittsburgh Cancer Institute	PA	29 counties in Western Pennsylvania including Pittsburgh (Allegheny County)
University of Texas Southwestern Medical Center	Simmons Comprehensive Cancer Center	TX	13 counties in Dallas Fort Worth Metropolitan Area: Collin, Dallas, Denton, Ellis, Hood, Hunt, Johnson, Kaufman, Parker, Rockwall, Somervell, Tarrant and Wise

Population Health Assessment in Cancer Center Catchment Areas

- Supplemental funding to conduct a local data collection effort to better characterize the populations and communities within the cancer center catchment areas
 - Enhance cancer centers' capacity to collect, aggregate, and integrate data
- All projects were required to utilize established survey research methods as part of their study (could not use solely qualitative methods)
- 53 of 69 Cancer Centers submitted applications
- 15 selected to receive funding (\$200K total costs)

Common Measures

- Measures Workgroup assembled to select **core demographic and core behavioral items** to be used across projects.
- Core behavioral *constructs* were selected if more than 80% of sites proposed to assess the constructs in their proposal.
- Core behavioral *items* were recommended by content experts and voted on by the full Measures Workgroup.
- Core demographic items were chosen from items as they appear on four of the national probability-based health surveys.

Demographic constructs:

- Age
- Sex
- Marital Status
- Race
- Ethnicity
- Place of Birth
- Total Household Income
- Financial Security
- Insurance Status
- Insurance Type
- Homeownership
- Education
- Employment Status

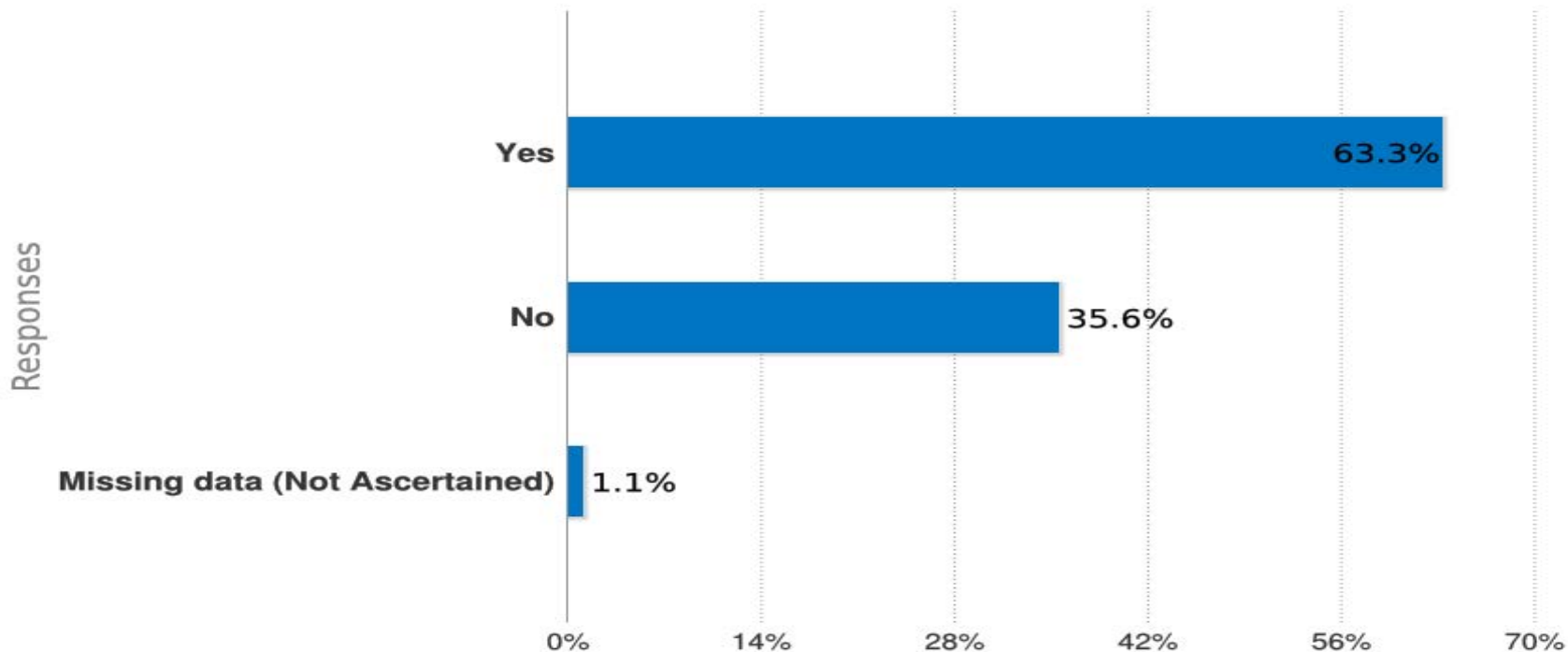
Behavioral constructs:

- Cancer Information Seeking
- Cancer Information Access
- Colorectal Cancer Screening
- Breast Cancer Screening
- Knowledge of Cancer Screening Guidelines
- Tobacco Use
- Cancer-related Beliefs
- Cancer-related Attitudes
- Awareness of Cancer Risk
- Health Care Access
- Health Care Barriers

Health Information National Trends Survey, 2017

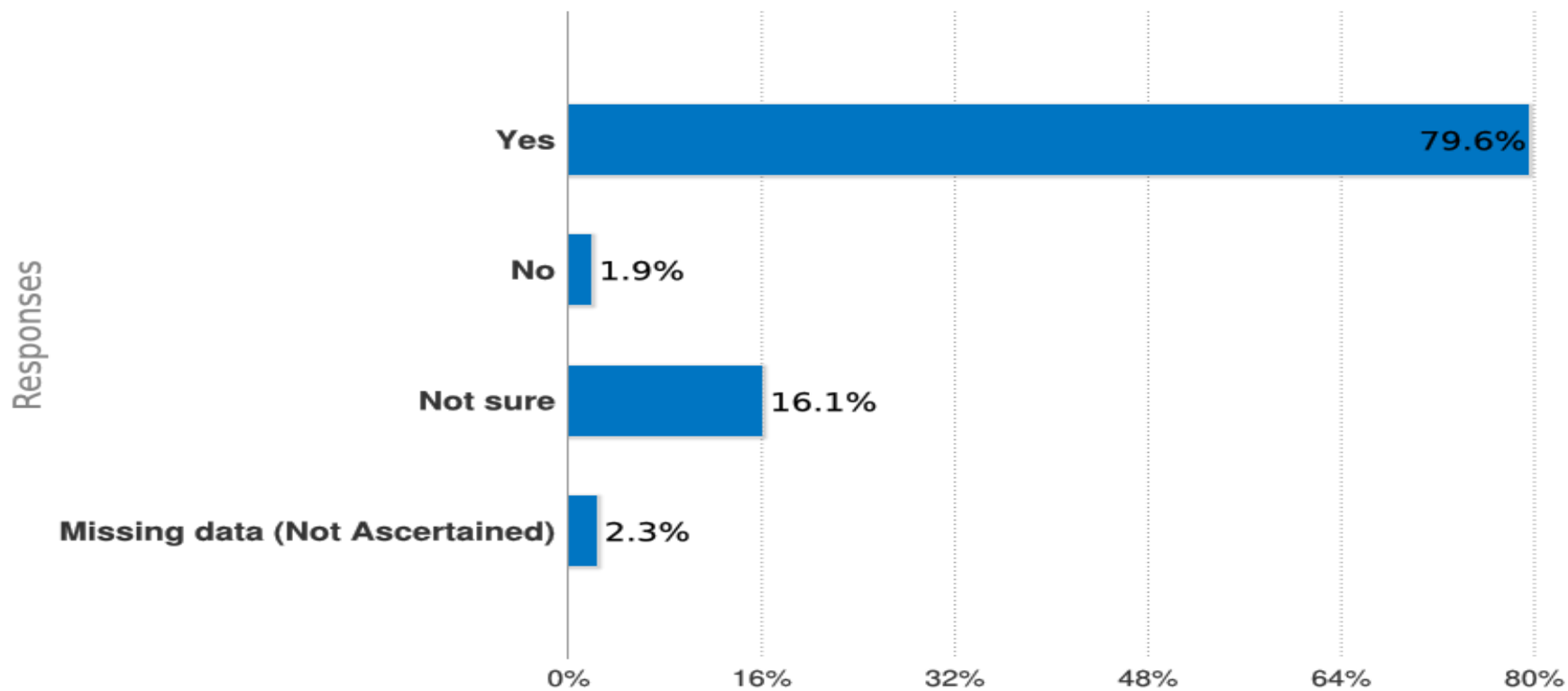
Have you ever heard of HPV? HPV stands for Human Papillomavirus. It is not HIV, HSV, or herpes.

HINTS 5 Cycle 1 (2017), Estimated Population



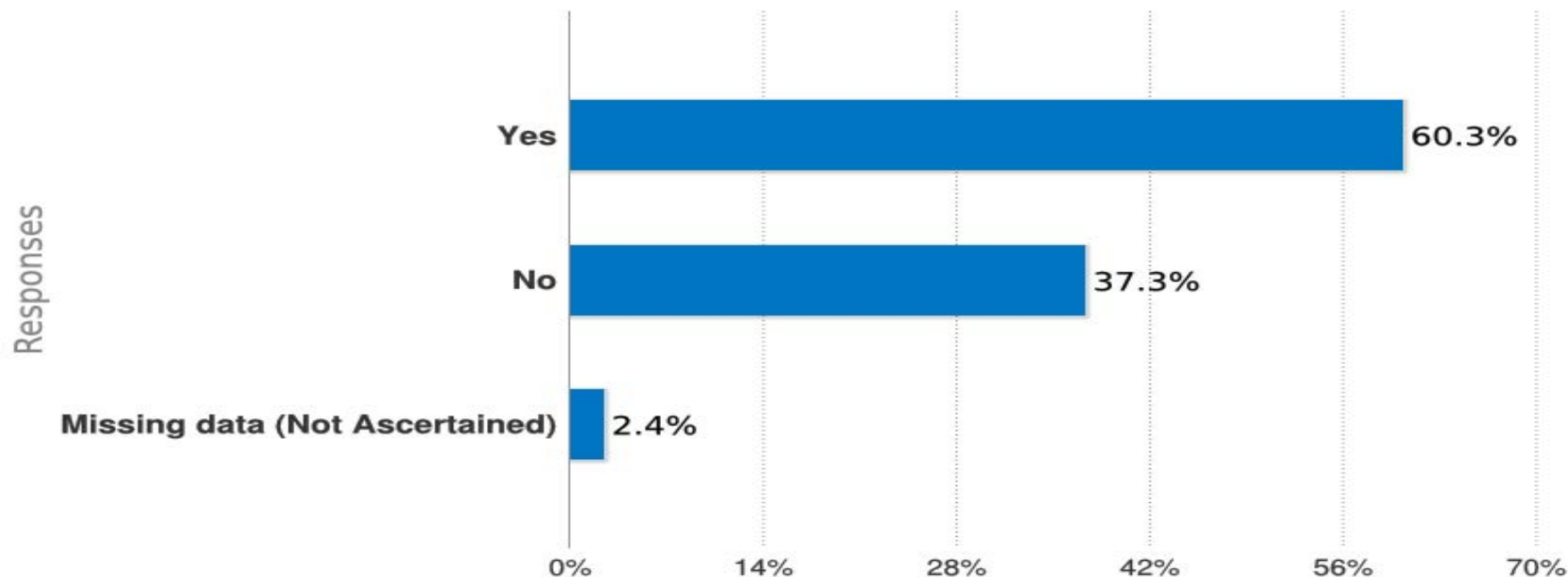
Do you think HPV can cause cervical cancer?

HINTS 5 Cycle 1 (2017), Estimated Population



A vaccine to prevent HPV infection is available and is called the cervical cancer vaccine or HPV shot. Before today, have you ever heard of the cervical cancer vaccine or HPV shot?

HINTS 5 Cycle 1 (2017), Estimated Population



NCI's Collaborations with National Partners

- National HPV Vaccine Roundtable – CDC, ACS
NCI funding an evaluation
- State-based Technical Assistance Workshops
NCI co-funds and provides content area experts
- Comprehensive Cancer Control National Partnership
 - Assists coalitions to develop and sustain implementation of cancer control at the state, tribe, territory, and local levels
 - Primary focus on HPV vaccine promotion and led by NCI's Dr. Cindy Vinson

NCI Supported Extramural HPV Vaccine Research

Testing clinic-based interventions

Developing communication strategies

Surveying to monitor understanding and uptake

*Promoting local engagement and uptake
across the US*



NCI CANCER CENTERS WORKING TO IMPROVE HPV VACCINATION

2018 CONSORTIUM MEETING
JUNE 7-8

Huntsman Cancer Institute
Salt Lake City, UT



Increasing HPV Vaccination in the U.S.: A Collaboration of NCI-funded Cancer Centers - June 7th & 8th at HCI in Salt Lake City, Utah

- Cancer centers will share preliminary findings of their environmental scans with a focus on barriers and facilitators of HPV vaccination in their catchment areas/states.
- Cancer centers will learn from one another (first round of NCI cancer center P30 grantees and second round of P30 grantees) on strategies to improve HPV vaccination in their region.
- We will include a focus on HPV vaccination challenges experienced in rural communities.
- All cancer centers and other partners working in population-level HPV vaccination education, training, intervention strategies, and research are invited.
- Meeting will take place in the afternoon and evening on the 7th and will end by the early afternoon of the 8th.

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