The National Cancer Program

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

Responses

Yes 63.3%

No 35.6%

Missing data (Not Ascertained) 1.1%
Do you think HPV can cause cervical cancer?
HINTS 5 Cycle 1 (2017), Estimated Population

Responses

- Yes: 79.6%
- No: 1.9%
- Not sure: 16.1%
- Missing data (Not Ascertained): 2.3%
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

Responses

- Yes: 60.3%
- No: 37.3%
- Missing data (Not Ascertained): 2.4%
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
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.

Please contact: Deanna Kepka at deanna.kepka@hci.Utah.edu or 801.587-4565 for more information.