

The Cancer Prevention and Control Research Network: Accelerating the Adoption of Evidence-Based Cancer Prevention and Control in Communities

A national network of academic, public health, and community partners working together to reduce the burden of cancer, especially among those disproportionately affected



This presentation was supported by Cooperative Agreement Number U48 DP005006 from the Centers for Disease Control and Prevention. The findings and conclusions in this presentation are those of the author(s) and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

Agenda

- CPCR N Summary
- Overview of the impact of CPCR N through Sept 2018

CPCRN Mission

- Accelerate the adoption and implementation of evidence-based cancer prevention and control strategies in communities
- Enhance large-scale efforts to reach underserved populations and reduce their burden of cancer
- Deepen our understanding of the predictable processes that achieve those goals
- Develop the dissemination and implementation workforce in cancer prevention and control

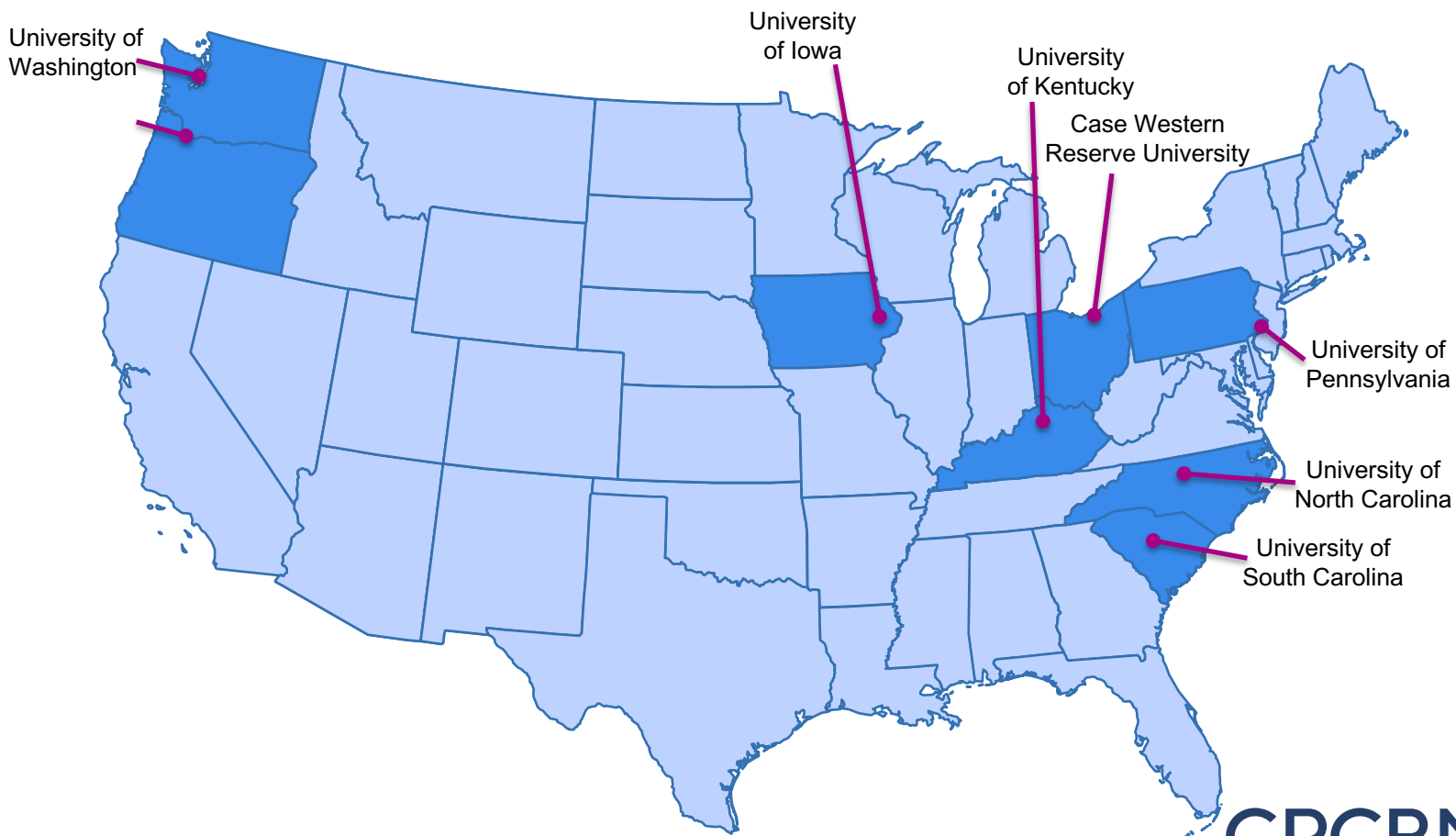
CPCRN Vision

Reduce the burden of cancer in U.S.
populations and eliminate cancer disparities

The CPCRN Organization

- Largest of seven thematic research networks in the CDC's Prevention Research Centers (PRCs) Program
 - Only thematic network focused on dissemination and implementation of cancer interventions
 - Currently in 4th cycle of funding
- Eight network centers at research institutions
- Collaboration with two Federal Agencies
 - CDC – Division of Cancer Prevention and Control
 - NCI – Division of Cancer Control and Population Sciences

Network Geographic Map





Principal Investigators



Erika Trapl, Ph.D.

Jackie Shannon, Ph.D.
Kerri Winters-Stone, Ph.D.

Natoshia Askelson, Ph.D.

Karen Glanz, Ph.D.

Robin Vanderpool, Dr.P.H.

Jennifer Leeman, Dr.P.H.
Stephanie Wheeler, Ph.D. (CC)

Daniela Friedman, Ph.D.

Peggy Hannon, Ph.D.

Active CPCRNC Cross-Center Workgroups

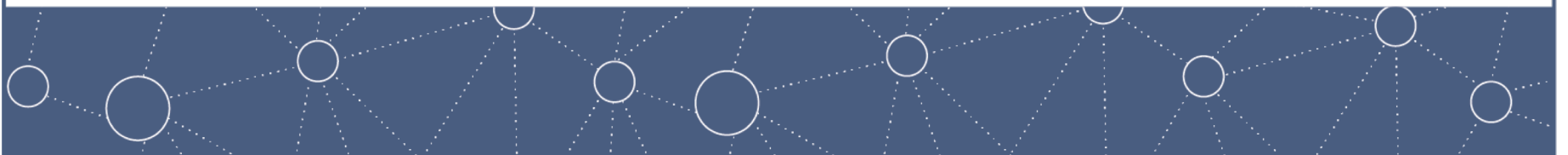
(and their chairs)

- Cancer Screening Navigation (Wendy Barrington)
- FQHCs / Colorectal Cancer Screening (Catherine Rohweder, Daniela Friedman)
- Modeling EBI Impact (Stephanie Wheeler)
- Multiple Cancer Prevention/Control Interventions (Karen Glanz)
- Organizational Theory Framework for Implementation (Sarah Birken, Jennifer Leeman)
- Rural Cancer Control (Jan Eberth, Robin Vanderpool)
- Tobacco and Lung Cancer Screening (Erika Trapl)

Impact of CPCRN through September 2018

A report on the activities, productivity, and impact of CPCRN over the past year, across the current funding cycle, and across all years dating back to 2004.*

*Funding Cycle 4, Year 4, with summary 2004-2018



Background of CPCRn

- In operation since 2002, with large expansion in 2004
- Funded by the Centers for Disease Control and Prevention (CDC) and National Cancer Institute (NCI)
- Since 2002, 16 university member centers
- Current network centers located at 8 universities

Current Centers	Past Centers
Case Western University	Emory University
Oregon Health & Science	Harvard University
University of Iowa	Morehouse School of Medicine
University of Kentucky	Texas A&M University
University of North Carolina	UCLA
University of Pennsylvania	University of Colorado
University of South Carolina	University of Texas
University of Washington – Seattle	Washington University – St. Louis



CPCRN Research Dissemination:

By the Numbers

	Publications	Presentations	Trainings
Past year			
All	97	120	31
Multicenter	14	22	6
Current Funding Cycle (since 2014)			
All	356	332	44
Multicenter	45	82	8
Since 2004			
All	1,648	1,842	*
Multicenter	135	155	*

* Trainings were newly tracked in 2018

CPCRN Grant Funding:

By the Numbers

	Submitted Apps	Funded Apps	Total \$ Applied For	Total \$ Funded
Past year				
All	36	21	\$93,751,236	\$69,044,329
Multicenter	2	2	\$1,674,256	\$1,674,256
Current Funding Cycle (since 2014)				
All	167	85	\$229,897,218	\$104,322,958
Multicenter	10	5	\$8,654,569	\$2,019,567
Since 2004				
All	1,251	587	\$1,521,272,050	\$639,444,067
Multicenter	118	67	\$142,833,563	\$71,870,472

* Some grants were reported without funding amounts, so these numbers should be considered an underestimate of actual grant application and funding amounts

Plans, Reports, and Policies

CPCRN Centers were instrumental to the creation of three reports, plans, or policies with state and national programs in the past year, listed below.

(Partner organizations in parentheses)

- Breast, Cervical and Colon Health Program (BCCHP) Evaluation Plan for WA State Department of Health (National Breast and Cervical Cancer Early Detection Program)
- CCO Colorectal Cancer Screening Technical Assistance: Final Report (Oregon Health Authority)
- Evaluation of the Oregon Colorectal Cancer Screening Project (Oregon Health Authority)

Catalyzing Action and Effecting Change

- USC presented to the South Carolina Hospital Association (SCHA) re: developing a uniform health literacy assessment tool, leading to a collaboration with SCHA and a local hospital to develop pilot program addressing health literacy, statewide Clinic Readiness Assessment program, and collaboration with Dorn VA Hospital to develop a health literacy program for veterans
- UK continued dissemination of Proactive Office Encounter (POE) framework, entering a new partnership with HealthFirst Bluegrass
- UI contributed to ACS Strategic Plan to Improve HPV vax rates, later presented to Iowa Cancer Summit

Catalyzing Action and Effecting Change

- Modeling EBI Impact Workgroup collaborators at OHSU provided technical assistance to the Oregon Health Authority and evaluation of the Oregon Colorectal Cancer Screening Project
- UW's assessments of provider awareness, knowledge, and attitudes re: CRC screening led to changes in practices at clinics run by Sea Mar and Community Healthcare of Tacoma
- UW also developed a tool to fill existing gaps in the Washington Colorectal Cancer Control and Breast and Cervical Cancer Early Detection Programs' ability to track cancer screening navigation efforts

Dissemination Communications

CPCRN work this past year was disseminated broadly over social or traditional media to reach wide audiences.

- **Penn PI Dr. Glanz** was featured in TV, radio, print news coverage related to regulations for reef-safe sunscreen for a Hawaii television station and for Wharton Business Radio, and wrote an Op-Ed for the Philadelphia Inquirer about provider perceptions and framing of particular patients.
- **UNC PI Dr. Wheeler** was featured on NPR, Reuters, HealthDay, MedPage Today, Kaiser Health News and other news outlets for her work focused on the financial impact of cancer.
- CPCRN's **“Putting Public Health Evidence Into Action’ Training was broadly disseminated on the CPCRN website**, being viewed over 1800 times over the course of the year, drawing requests for expertise from at least seven organizations, as far away as Africa.
- **UI investigators** published a manuscript in JNCI that garnered international news coverage, with Reuters publishing an article entitled “Large U.S. farm study finds no cancer link to Monsanto weedkiller.”

Requests for Scientific Expertise

CPCRN researchers are frequently sought out by outside organizations for their scientific expertise in cancer control.

- **Penn investigators reviewed CDC tip sheets for grantees** of the National Breast and Cervical Cancer Early Detection Program and the Colorectal Cancer Control Program **about implementing EBIs.**
- CWRU investigator Dr. Siran Koroukian was **invited by the CDC and the National Association of Chronic Disease Directors to serve on a panel** to explore evidence-based opportunities for cancer prevention for older adults.
- UK's Dr. Robin Vanderpool was **sought out by NCI to chair the NCI Accelerating Rural Cancer Control Research Conference.**
- UI's Dr. Barbara Baquero invited to **serve as a panel reviewer for USDA**
- UI's Dr. Mary Charlton invited to join **American Cancer Society State Leadership Board**

Requests for Scientific Expertise

- **UW's Dr. Beverly Green's expertise was sought out by multiple organizations, including the NCI Special Emphasis "Moonshot" Review Panel, the NIH Helath Services Organization and Delivery review panel, the Northwestern University Patient-Centered and Engagement Training Program, and an intervention workshop.**
- **UW members were invited to review FQHC proposals to participate in WA's BNCCEDP and CRCCP programs.**
- **UNC's Dr. Stephanie Wheeler was invited to serve as Vice Chair for the American Cancer Society Health Policy and Health Services peer review panel, organizing committee member for the American Society of Clinical Oncology Quality Care Symposium, and Methods Theme Co-Chair for the AcademyHealth Annual Research Meeting.**
- **CPCRN's Implementing Evidence Into Action curriculum drew 7 requests for expertise from its developers, including organizations as far away as Benin, Africa.**

CPCRN Coordinating Center & Steering Committee

- The Steering Committee finalized a new **Network Strategic Plan** outlining the network's goals, objectives and tactics.
- The Steering Committee finalized a new **Guide for Collaboration** among network members.
- The Network's **Annual Scientific Meeting** was held in Chapel Hill, NC in May 2018. A total of 53 attendees and virtual participants attended Workgroup meetings, a Steering Committee meeting, and various plenary sessions.
- Members participated in the **NIH Conference on the Science of Dissemination and Implementation in Health and NIH Rural Cancer Control Meeting**; the Network had high visibility at both meetings, including multiple panel discussions and individual presentations, and CPCRN Networking meetings.

CPCRN Coordinating Center Projects

During Year 4, the Coordinating Center further developed processes and structures to support CPCRN by:

- Developing a **new communications and dissemination strategy**
- Implementing a **quarterly email newsletter** to audiences inside and outside of the CPCRN; the most recent newsletter was sent to 253 people and widely forwarded, opened 956 times
- Implemented **extensive updates to the CPCRN website** to broaden its appeal to external (non-member) users, including new features:
 - To allow visitors to explore CPCRN members' areas of expertise
 - Ability to search and find members with desired areas of expertise
 - Ability to search and find member publications and presentations
 - More streamlined and user-friendly format and structure

Conclusion

- The CPCRN has made substantial impact in cancer prevention and control and dissemination and implementation science in the past year, across the current funding cycle, and across its history dating back to 2004.
- Its members continue to innovate, develop, implement, and evaluate evidence-based approaches to cancer prevention and control with their local, state, and national partners, influencing everything from local clinic practices to state cancer plans to national organizations' practices and policies.
- The Network's impressive productivity, including over 1,600 publications and funded grants totaling approximately \$640 million in research dollars, demonstrate just two of many ways the Network and its investigators' expertise has and continues to have significant impact on the nation's dissemination and implementation of evidence-based cancer prevention and control research.

Note:

This presentation is based off of an executive summary of a detailed ~90-page report; for more information, please contact Rebecca Williams, Chief Technology Officer of the CPCRNC at the Coordinating Center via email: rebeccawilliams@unc.edu.