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# The National Cancer Institute's Community Networks Program Initiative to Reduce Cancer Health Disparities: Outcomes and Lessons Learned

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## The National Cancer Institute's Community Networks Program Initiative to Reduce Cancer Health Disparities: Outcomes and Lessons Learned

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### Abstract

**Background:** We describe reach, partnerships, products, benefits, and lessons learned of the 25 Community Network Programs (CNP) that applied community-based participatory research (CBPR) to reduce cancer health disparities.

**Methods:** Quantitative and qualitative data were abstracted from CNP final reports. Qualitative data were grouped by theme.

**Results:** Together, the 25 CNPs worked with more than 2,000 academic, clinical, community, government, faith-based, and other partners. They completed 211 needs assessments, leveraged funds for 328 research and service projects, trained 719

new investigators, educated almost 55,000 community members, and published 991 articles. Qualitative data illustrated how use of CBPR improved research methods and participation; improved knowledge, interventions, and outcomes; and built community capacity. Lessons learned related to the need for time to nurture partnerships and the need to attend to community demand for sustained improvements in cancer services.

**Implications:** Findings demonstrate the value of government-supported, community-academic, CBPR partnerships in cancer prevention and control research.

Research has confirmed that racial/ethnic minority and underserved populations in the United States experience higher cancer incidence, earlier onset of disease, more frequent diagnoses at late stages, and higher mortality than White Americans and those from higher socioeconomic positions.<sup>1</sup> However, research to address the reduction of cancer health disparities has proven more complicated than originally envisioned.<sup>2</sup> Community-engaged translational research shows promise in bringing together academic and community investigators to learn about the complex cancer profiles of different populations and how

discoveries made in the laboratory or clinic can be translated to their communities.<sup>3,4</sup>

In April 2005, the National Cancer Institute (NCI) through its Center to Reduce Cancer Health Disparities (CRCHD) funded 25 CNPs. The aim of the CNPs was to reduce the unequal burden of cancer experienced by racial/ethnic minority populations and medically underserved populations by applying CBPR approaches to community education, problem assessment, intervention design and testing, and new investigator training.<sup>5</sup> Each CNP was funded for 5 years to work with racial/ethnic minority populations (e.g.,

African Americans, Asian Americans, Hispanics, American Indians, Alaska Natives, Native Hawaiians, and Other Pacific Islanders) and medically underserved populations (e.g., on Maryland's eastern shore and in low-income urban communities in Massachusetts). The CNP initiative built on the prior Special Populations Networks, also funded by the NCI.<sup>4</sup> However, the CNP program was the first CRCHD and NCI program to formally adopt CBPR as its principal strategy for addressing cancer health disparities.

The CNP program logic model specified building blocks, activities, and short-term (1–2 year), intermediate (3–5 year), and long-range (5–7 year) outcomes. The building blocks in the framework referred to required partnerships—with community-based groups, with organizations that can help to reduce disparities (e.g., clinical and social programs and policy makers), and with other NCI units. For outcomes, all CNPs aimed to demonstrate change in individuals, communities, and policies that would increase use of beneficial cancer and cancer-related interventions.

Using CBPR has several advantages, including its potential to reduce community distrust of research, focus research on issues of concern to community, build community capacity, and improve the lives of people in the community. However, it also presents challenges. For example, it takes time and sustained resources to build community trust and capacity.<sup>6,7</sup> A self-assessment by CNPs completed in 2011 demonstrated that the principles of CBPR (e.g., engaging community in all aspects of research, transferring skills, and sharing power) were operationalized fairly well across the 25 CNPs.<sup>8</sup> However, the assessment did not capture the outcomes and lessons learned from the application of CBPR. This article describes CBPR processes and summarizes accomplishments in terms of reach, partnerships, products, trainees, benefits, and lessons learned.

## METHODS

Data were abstracted from final reports submitted by the CNPs to the funding agency. These reports included examples of how CBPR approaches were applied to community education, problem assessment, intervention design and testing, and new investigator training. They also provided descriptive information on the reach of the CNPs, the variety of partners engaged, the products of the CNPs (e.g., needs assessment, publications, and proposals), and new investigators associated

with the CNP. Additionally, final reports included narratives that described the benefits of and lessons learned by CNPs in their use of CBPR. These qualitative data were grouped by two authors (K.L.B., M.D.) into themes. These were shared with all authors, who identified citations of publications they felt illustrated the themes from the qualitative findings from their research.

## FINDINGS

### CBPR Approaches

The CNP final reports gave examples of how CBPR approaches were applied to four major activities—community education, problem assessment, intervention design and testing, and new investigator training. New investigators could include individuals from a university or community interested in research, but not already funded by the National Institutes of Health (NIH), as well as investigators new to CBPR. The funding announcement required successful applicants to demonstrate existing partnerships within the CNP's specified community and to name members of the CNP's Community Advisory Boards/Groups. Generalizing across the 25 CNPs, these advisory boards helped the CNP to review existing data and outline community needs for education on cancer and research. If data were lacking, advisors suggested topics for needs assessments that the CNP should undertake. In many CNPs, advisors served as key informants and/or as data collectors in the needs assessment phase. The review by advisors and other community members of needs assessment findings led to the development of interventions that would have a high likelihood of attracting community participants and increasing their use of beneficial cancer services.

Interventions were designed with community members to respond to community data, context, strengths, and resources. Advisors and other people from the community served as co-deliverers of cancer education in their communities. Although the CNPs did not engage in multisite interventions with common measures, each CNP tested its interventions using methods approved by the community, including randomized controlled trials, delayed intervention trials, quasi-experimental designs, and one-group pretest–posttest designs. Advisors interacted with new investigators, who vetted their research proposals, making sure the correct research questions were

being asked and suggesting ways to increase study attractiveness. Finally, advisors and community members joined, as appropriate, in dissemination of information about the CNP and the various needs assessment and research projects in which they engaged.

**Reach**

Of the 25 CNPs, seven targeted African Americans, three American Indians and Alaska Natives, two Asian Americans, four Hispanics, three Pacific Islanders, and six medically underserved individuals of any ethnicity within a specific community or region (Table 1). Four CNPs had a national reach (e.g., *Redes en Acción* worked with Hispanic populations in six communities across the United States, the Spirit of Eagles worked with American Indian and Alaska Native populations nationally, and the Appalachia Community Cancer Network focused on medically underserved residents of Appalachia), 13 were regional (e.g., the Deep South Network for Cancer Control worked with medically underserved African-American populations in Alabama and Mississippi, whereas the Meharry University CNP worked with three urban community health centers in different parts of Tennessee), and 8 CNPs worked locally (e.g., inner-city Detroit, the Yakima Valley of Washington, Southern California, and Tampa Bay, Florida). Three CNPs were housed in community-based organizations (*Papa Ola Lōkahi* in Hawai‘i, LBJ Hospital in American Samoa, and the Inter Tribal Council of Arizona), and the other 22 were based in universities. The CNPs tended to focus their outreach and research activities on cancers with clear mechanisms for primary and secondary prevention, including breast ( $n = 20$ ), cervical ( $n = 18$ ), colorectal ( $n = 16$ ), lung ( $n = 13$ ), prostate ( $n = 3$ ), and hepatitis B–related liver ( $n = 4$ ) cancers.

**Partnerships**

Overall, the 25 CNPs reported working with 2,251 partners (range, 11–290 per CNP; Table 2). CNPs reported a mean of 5 academic partners (range, 1–30) and 16 clinical partners (range, 1–100), including medical centers, federally qualified health centers, community health centers, the Indian Health Service, the Alaska Native Tribal Health Consortium, and the Native Hawaiian Health Care Systems. Ten CNPs worked with faith-based organizations (range, 1–127), including the CNPs in the Mississippi Delta, South Carolina, metropolitan

Detroit, Tennessee, and Arkansas. Many worked with state and local departments of health, especially their tobacco control and breast and cervical cancer screening programs. More than one-half (57.8%) of all partners were community-based agencies and coalitions, and on average each CNP worked with 52 (range, 5–443). These included professional associations, civic clubs, and service providers serving specific racial and ethnic groups, tribes, and tribal agencies, as well as local coalitions to reduce access to tobacco and local branches of the American Cancer Society and Susan G. Komen. There are no known standards for effective partnership development; establishment of more than 2,000 partnerships among the 25 CNPs provides prima facie evidence that may contribute to development of standards.

**Table 1. CNP Reach and Foci (N = 25)**

Characteristic	n (%)
<b>Target Population</b>	
African Americans	7 (28)
American Indian/Alaska Native	3 (12)
Asians	2 ( 8)
Hispanics	4 (16)
Pacific Islanders	3 (12)
Medically underserved, any ethnicity	6 (24)
<b>Reach</b>	
National	4 (16)
Regional	13 (52)
Local	8 (32)
<b>Location of CNP Center</b>	
East	5 (20)
Midwest	4 (16)
West, including Hawaii and American Samoa	8 (32)
South	8 (32)
<b>Cancer Foci</b>	
All sites	3 (12)
Breast	20 (80)
Cervical	18 (72)
Prostate	13 (52)
Colorectal	16 (64)
Lung	13 (52)
Liver	4 (16)
Other	4 (16)

Note. CNP, Community Network Program.

## Products

The CNPs were directed to use CBPR approaches to increase understanding of cancer-related needs and assets of their communities. Together, the 25 CNPs reported conducting 211 needs assessments, engaging community members in assessment design, data collection, and data interpretation and dissemination. Of the 211 assessments, 11% were related

Table 2. Partners, Products, and Trainees		
Element	Total for 25 CNPs n(%)	Mean per CNP
Partners	2,251	90.0
Academic	120 (5.3)	4.8
Clinical	396 (17.6)	15.8
Faith based	263 (11.7)	10.5
Other community-based agencies and coalitions	1,301 (57.8)	52.0
Business	48 (2.1)	1.9
Government	123 (5.5)	4.9
Products		
Needs assessments total	211	8.44
General needs and preferences related to cancer control	4 (30.3)	
Primary prevention (smoking cessation, diet, hepatitis B, etc.)	24 (11.4)	
Screening	54 (25.6)	
Treatment/survivorship	19 (9.0)	
Other	49 (23.2)	
Research projects total	328	10.9
CRCHD-funded pilot research supplements	90 (27.4)	3.6
Non-CRCHD funded research projects	238 (72.6)	9.5
Publications total	991	39.6
Co-authors from target populations	832 (83.9)	33.3
Trainees		
Jr. investigators		
Total	719	28.76
From target populations	501 (69.7)	20.04
Community members trained	54,562	2,182.5
Non-CRCHD funds leveraged by the end of Year 4	\$36,662,805	\$1,464,912

Note. CRCHD, Center to Reduce Cancer Health Disparities.

to primary prevention (e.g., tobacco cessation, diet, physical activity), 26% were related to screening (e.g., for hepatitis B, and breast, cervical, prostate, colorectal, and other cancers), 9% were related to treatment and survivorship (navigation, clinical trials, support groups), and 30% assessed a variety of cancer and upstream factors in the population to help CNPs prioritize focus areas for outreach and research.

In addition to helping to prioritize outreach and research activities, findings from needs assessments also guided the development of interventions that fit community context. These interventions were tested through pilot research projects funded by CRCHD supplements or through non-CRCHD funds. In total, the 25 CNPs reported securing 90 research supplements and 238 other grants to support research, for a total of 328 funded research projects (range, 7–89). By the end of year 4 of this 5-year initiative, the 25 CNPs reported having leveraged \$36,622,805 in non-CRCHD funds, or about \$1,464,912 per CNP. This includes funds awarded to junior investigators and community partner agencies associated with the CNP, as well as funds awarded directly to the CNP.

Findings from needs assessments and intervention research were reported in 991 peer-reviewed publications (range, 4–336). Of these, 832 (83.9%) featured indigenous or minority investigators and/or community members as co-authors. Not all CNPs reported whether first authors were indigenous, minority, and/or community based, but the proportion was likely large. By way of example, of the 61 peer-reviewed articles reported by ‘Imi Hale Native Hawaiian Cancer Network, 44 (72.0%) were first authored by Native Hawaiian investigators and/or community members.

### New Investigators and Community Trainees

CNPs reported mentoring 719 new investigators (range, 4–90). CNP reports note that 69.7% of the 719 new investigators were members of the racial/ethnic/underserved populations served by the CNP. Each CNP worked with their community advisory committee to identify new investigators, and CNPs provided mentors to assistant or associate professors, post-docs, graduate students and, in some cases, high-school students. Top training topics for new investigators included CBPR, cultural competence, research ethics, data collection, grant writing, and manuscript writing. In a survey of new investigators affiliated with the CNPs, trainees

reported giving an average of 3 presentations at scientific meetings per year, publishing one first-authored and one non-first-authored peer-reviewed publication per year, and being part of six to seven funded grant applications over 5 years.<sup>9</sup> These rates of scholarly productivity are comparable to findings from other training programs targeting under-represented minorities.<sup>10</sup>

Additionally, CNPs provided training to more than 50,000 community members. Community members also received training in research methods, along with training to enhance their skills in health education, health literacy, advocacy, cancer screening and treatment navigation, and tobacco cessation counseling. There are no known standards for the expected extent of new investigator and community member involvement in disparities reduction endeavors; numbers of new investigators and community members trained by the 25 CNPs may contribute to development of standards.

### CBPR Benefits

From the qualitative data in the final reports, four major themes were identified (Table 3). The first three related to CBPR-related benefits, specifically how the use of CBPR improved research methods and participation, enhanced knowledge and intervention development, and strengthened community capacity. The fourth related to lessons learned by the CNPs over their 5-year programs.

*Improved Research Methods and Participation.* The final reports gave examples of how community engagement in priority setting (through jointly conducted needs assessments and brainstorming) increased community buy-in for research.<sup>11-16</sup> With sufficient trust and an introduction to research methods, report narratives spoke to increased willingness of communities to participate in controlled trials, favoring delayed intervention designs and designs in which the control group received a different intervention, rather than just standard care.<sup>17,18</sup> CNP reports included examples of how community members helped pretest data collection tools, which increased the readability and relevance of these tools.<sup>19,20</sup> Good recruitment and retention rates were attributed to having community members prioritize research needs, help to design recruitment materials, pretest data collection tools, and/or agree to serve as paid or volunteer research staff.<sup>19-24</sup> Community members also provided input on how to disseminate research findings.<sup>21,25,26</sup>

**Table 3. Benefits of CBPR and Lessons Learned**

Benefits of CBPR
CBPR can improve research methods and participation.
Buy-in is increased because priorities are established by the community.
Community interest and trust in research is increased through training and participation.
Controlled studies are possible, especially using delayed intervention design.
Data collection tools are more relevant after pretesting with community.
Recruitment, retention, and data completeness are increased with community participation.
CBPR can improve knowledge and intervention development.
New cancer-related knowledge about minority groups is generated when data are collected in the language of the community and/or by trained community members.
Interventions are better developed and adapted with community input.
CBPR can help to bridge the translation gap by using networks to disseminate information on what is needed and what works.
CBPR builds community capacity.
Our communities have increased knowledge of cancer prevention and control.
Our pool of minority and indigenous researchers is growing.
CBPR skills of nonminority researchers have been enhanced.
Community partners have expanded their skills in research and grant getting.
Individuals from the community have gained clinical, research, and organizational skills.
More cancer services are available in the community.
Lessons Learned
CBPR requires an iterative, power-sharing process that emphasizes transparency.
The definition of community may change with each project.
Community trust needs to be established.
Starting with educational programs may help increase community willingness to participate in research.
Community capacity must be built by offering training, participation, and leadership opportunities.
CBPR requires a team approach.
Qualitative research methods are as important as quantitative methods in CBPR.
CBPR partnerships must balance research need for findings with community need for action.
CBPR takes time and resources.

Note. CBPR, community-based participatory research.

*Improved Knowledge, Interventions, and Outcomes.* When data were collected in the language of the community and/or by trained community members, CNPs reported that they generated richer data that provided meaningful insights into minority perceptions of cancer etiology, screening, treatment, clinical trials, tissue banking, randomized controlled trials, and informed consent.<sup>27-34</sup> CBPR methods also informed the development of health education materials and interventions that were attractive to and welcomed by the community.<sup>18,25,30,35-38</sup> Many CNPs successfully employed community members in intervention delivery.<sup>39-45</sup>

The vast majority of these interventions, co-designed by community members, resulted in improved community cancer knowledge and outcomes. For example, CNP reports described culturally tailored interventions that resulted in reduced tobacco use among Asian immigrants<sup>46</sup> and Native Hawaiians.<sup>47</sup> They described CBPR projects that attracted rural dwelling adults to cancer screening for the first time<sup>40</sup>; increased breast and cervical cancer screening among Vietnamese, Hmong, Micronesian, Hispanics, and African-American women<sup>17,23,48-50</sup>; increased colorectal cancer screening among Chinese Americans,<sup>44</sup> Hispanics,<sup>51,52</sup> and African Americans<sup>53</sup>; increased Pap test follow-up among American Indian women<sup>54</sup>; increased hepatitis B immunization among Asian Americans<sup>55</sup>; increased prostate cancer screening among African Americans<sup>56,57</sup>; and increased minority participation in clinical trials.<sup>58,59</sup>

*Strengthened Community Capacity.* Community members engaged through the CNPs gained capacity in leadership, research, institutional review board issues, cancer care, strategic communications, and advocacy.<sup>60-62</sup> At least eight CNPs provided funds and technical assistance to communities to conduct their own studies on problems of concern to that community, including CNPs serving African Americans in Tennessee and South Carolina, Native Hawaiians in Hawai'i, Hispanics in the Pacific Northwest, and American Indians and Alaska Natives in the Pacific Northwest, Alaska, the Southwest, and Oklahoma.<sup>63,64</sup> In most cases, community members became stronger advocates for research after they gained experience as institutional review board members, research advisors, or research staff.<sup>65-67</sup> Community members who co-authored and co-presented findings from CNP projects extended their communication skills and their standing as community leaders.<sup>48</sup> Three CNPs arranged to guest edit

focused issues of peer-reviewed journals, featuring articles by community members alone or in partnership with academic researchers.<sup>68-71</sup> Participation in CNP activities also increased the number of community members with skills in delivering cancer prevention and control activities, for example, as cancer patient navigators, *promotoras*, tobacco cessation specialists, and media advocates.<sup>19,47,62,72-75</sup>

Finally, co-authors cited examples of how CNP research findings were used to help obtain additional funding or to enact policies that expanded cancer services in the community.<sup>76</sup> For example, CNPs worked to support expansion and creation of new cancer screening programs.<sup>55-57</sup> and cancer patient navigation programs were started or enhanced in Native Hawaiian, Pacific Islander, Asian, Hispanic, American Indian, and African-American communities across the United States.<sup>77</sup> Several CNPs started or strengthened programs for patients needing end-of-life care.<sup>78</sup> At least five CNPs worked with hospitals in their communities on successful applications to NCI's Community Cancer Center Program. Some CNPs mapped local resources through innovative methods such as GIS and asset mapping.<sup>79</sup> Others worked with tribal communities and community clinics to set up systems to better record cancer data.<sup>80,81</sup> Others developed regional coalitions of consumers and cancer-related organizations to enhance advocacy and action.<sup>76,82</sup> These activities help to speed the translation of knowledge into practice.

## LESSONS LEARNED

CNP reports documented several challenges in applying CBPR in reducing cancer health disparities (Table 3). For example, although the notion of "community" is key to CBPR work, report narratives noted that the definition of community is complicated and mutable. At the broad level, CNPs often made commitments to serve a specific disadvantaged group, usually within a defined geographic area. However, communities are not homogenous (e.g., Native Hawaiians living on different Hawaiian islands feel very distinct from each other), and some community partners and members may decide to join at the outset of the project, join later when the project is underway, or never join in CNP endeavors. CNPs serving African-American, Pacific Islander, Appalachian, and Korean communities found churches to be excellent partners for cancer health promotion.<sup>18,27,30,83</sup> Through time,



the number and type of churches involved with the CNPs often expanded. With the addition of new churches, new partners within the church had to be engaged, and the CNP needed to restart its process of building trust and research capacity. This illustrates the iterative, power-sharing nature of CBPR, full of starts and restarts as networks widen and new community representatives join. Several authors found success in starting the trust-building process by offering cancer education programs and conducting needs assessments, both of which can increase community willingness to participate in future research.<sup>84</sup> Some CNPs attempted to analyze network variability over time. For example, a longitudinal study of the interrelationships that increased and decreased over the 5 years among CNP partners in Detroit led to development of a new conceptual and methodological approach for empirically modeling the sustainability of community health networks.<sup>85</sup> Another analysis of social network patterns among CNP partners in Massachusetts showed increase in ties and reciprocity over the duration of the CNP project among community and academic partners, and the increase was associated with success in program development, funding, and publications.<sup>86</sup>

CNPs also were charged to develop CBPR skills in new investigators and to build a cadre of CBPR researchers from underserved groups.<sup>9</sup> Although there was documented success in this arena,<sup>87</sup> great variation across CNPs was noted in the background of new investigators. For example, some already had NIH funding (e.g., R03s or K awards), whereas others were pre-doctoral students (especially in CNPs serving new immigrants and Pacific Islanders). Thus, CNPs had different pools from which to draw. They also had different expectations for new investigators in terms of using NIH pilot funds to launch independent research careers successfully.

CBPR requires a team approach, and members of the community need to be equal partners on the team. Thus, along with cancer education, CNPs found it essential to build community capacity in areas outside of cancer and research, for example, in grant writing and advocacy.<sup>88</sup> Qualitative research methods seem to be as important as quantitative methods in CBPR, and community members can become very effective collectors of both focus group and survey data. They also may be more effective at delivering interventions than individuals from outside the community. However, capacity development takes time and resources, and developing solid community

research partners is a process that may take years, not months. CNPs appreciated the flexibility to use CNP funds to conduct community outreach and to nurture community leadership, and they noted that few other funding mechanisms support the extensive level of capacity building required by CBPR.

CBPR projects strive to strike a balance between research and action.<sup>88-90</sup> Researchers, of course, need scientific data to demonstrate their responsiveness to the mechanisms that fund their research. In addition, findings need to be reported in peer-reviewed publications (the currency of academia), and should serve as baseline data for future research applications. However, communities need action, manifested as real improvements in cancer prevention, screening, and treatment, including expansion of services, increased access to (affordable) services, broadened participation in health insurance, and improved sensitivity of providers. If research findings are not used to prevent cancer or improve systems of cancer detection and care in these communities, then evidence may serve to widen the translation gap.<sup>3,91</sup> For example, as communities gain capacity, their demand for education and assistance can exceed the ability of the CNP and the local health care system to meet them. Thus, CNPs were called on to help communities write grant proposals and to advocate for expanded cancer care services. CNP staff also served as critical change agents within their own institutions to examine institutional factors and policies that might impact access to and acceptability of care.

## DISCUSSION

### Limitations

A limitation of this study was its use of final reports as the primary source of data. It is likely that CNPs put their “best face” on their work in their reports, and there was no way to get an objective measure of the quality of their work. However, principal investigators were able to provide abundant citations of work to illustrate their CBPR-related activities and successes in improving the science of cancer disparities reduction while building the capacity of underserved communities. A second limitation was the lack of partner input into this manuscript, because partners were not likely included in the preparation of the CNP final reports, and data for this paper were extracted in 2013, 3 years after the close of the

CNP initiative. However, anecdotal information from CNP principal investigators suggests that lessons learned were a regular topic of discussion in Community Advisory Board meetings and informed reporting.

## CONCLUSION

Collectively, the CNP initiative engaged a broad array of community partners and scholars and reported a number of benefits associated with CBPR. CBPR guided development of strong partnerships that improved research designs, focused interventions toward community needs and interests, and strengthened capacity of partners. The findings can help to

inform other community–university partnerships engaging in CBPR. They also can inform government and private funders on the benefits of targeting resources to CBPR efforts to reduce cancer disparities.

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Appendix. Participants			
Institution, Location	Name of CNP	PI Name	NCI Grant No.
LBJ Tropical Medical Center, Pago Pago, American Samoa	American Samoa Community Cancer Network (ASCCN)	Victor Tofaeono	U01CA114590
University of Kentucky, Lexington, KY	Appalachia Community Cancer Network (ACCN)	Mark Dignan	U01CA114622
University of Arkansas for Medical Sciences, Little Rock, AK	Arkansas Cancer Community Network (AR-CCN)	Ronda Henry-Tillman	U01CA114607
University of California Davis Cancer Center, Davis, CA	Asian American Network for Cancer Awareness, Research and Training	Moon S. Chen, Jr.	U01CA114640
Temple University, Philadelphia, PA	ATECAR—Asian Community Cancer Network	Grace X. Ma	U01CA114582
Lineberger Cancer Center, UNC-Chapel Hill, NC	Carolina Community Network (CCN)	Paul Godley	U01CA114629
Karmanos Cancer Center, Wayne State University, Detroit, MI	CNP for Older, Underserved African-American Adults	Terrence Albrecht	U01CA114641
University of Colorado, Denver, CO	Colorado Front Range Latino Community Network (CFRLCN)	Paula A. Espinoza	U01CA114604
University of Alabama at Birmingham Comprehensive Cancer Center, Birmingham, AL	Deep South Network for Cancer Control	Ed Partridge	U01CA114619
Fred Hutchinson Cancer Research Center, Seattle, WA	Hispanic Community Network to Reduce Cancer Disparities	Beti Thompson	U01CA114633
Papa Ola Lōkahi, Honolulu, HI	‘Imi Hale—Native Hawaiian Cancer Network	Clayton Chong / Kathryn L. Braun	U01CA114630
Med Star Research Institute, Washington, DC	Latin American Cancer Research Coalition (LACRC)	Elmer E. Huerta	U01CA114593
Harvard School of Public Health, Boston, MA	Massachusetts Community Networks to Eliminate Cancer Disparities Through Education, Research, and Training (MASS CONECT)	Howard K. Koh / K. Viswanath	U01CA114644
Meharry Medical College, Nashville, TN	Meharry Medical College-Community Health Centers Network	Margaret K. Hargreaves	U01CA114641
Morehouse School of Medicine, Atlanta, GA	National Black Leadership Initiative on Cancer III: Community Networks Program (NBLIC III)	Daniel S. Blumenthal	U01CA114652
Siteman Cancer Center, Washington University, St. Louis, MO	Program for the Elimination of Cancer Disparities (PECaD)	Graham A. Colditz	U01CA114594
University of Texas Health Science Center at San Antonio, TX	Redes En Acción: National Latino Cancer Research Network	Amilie Ramirez	U01CA114657
University of Washington, Seattle, WA	Regional Native American Community Networks Program	Dedra S Buchwald	U01CA114642
University of South Carolina, Columbia, SC	South Carolina Cancer Disparities Community Network (SCCDCN)	James R. Hebert	U01CA114601
Inter Tribal Council of Arizona	Southwest American Indian Collaborative Network (SAICN)	Kathryn Coe	U01CA114696
H. Lee Moffitt Cancer Center, University of South Florida, Tampa Bay, FL	Tampa Bay Community Cancer Network (TB-CCN): A Model for Reducing Health Disparities	Cathy D. Meade	U01CA114627
Mayo Clinic College of Medicine, Rochester, MN	The American Indian/Alaska Native Initiative on Cancer (Spirit of EAGLES)	Judith Salmon Kaur	U01CA114609
University of Maryland, Baltimore, MD	The Maryland Regional Community Network Program To Eliminate Cancer Health Disparities (MRCN)	Claudia Baquet	U01CA114650
University of Oklahoma, Oklahoma City, OK	University of Oklahoma Community Networks Project (OUCNP)	Janis E. Campbell	U01CA114626
California State University, Fullerton, CA	WINCART: Weaving an Islander Network for Cancer Awareness, Research and Training	Sora Park Tanjasiri	U01CA114591

Notes. CNP, Community Network Program; NCI, National Cancer Institute; PI, principal investigator.