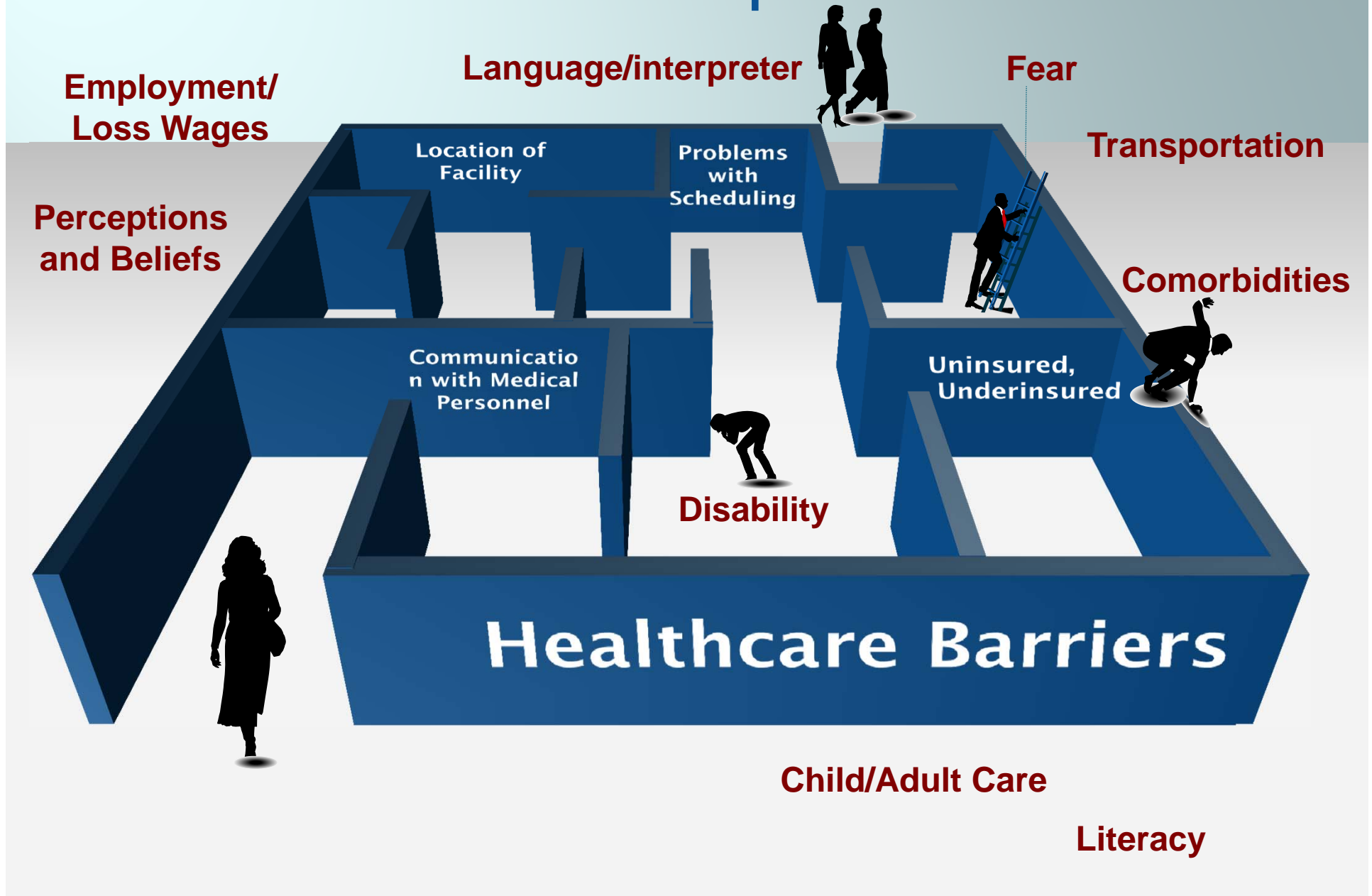


Patient Navigation Research Program (PNRP)

45th Regular Meeting of the
Board of Scientific Advisors

Center to Reduce Cancer Health
Disparities

U.S. Healthcare System Maze Needs a GPS for Vulnerable Populations



Patient Navigation as a Personalized GPS

Translate medical next steps and what to expect into lay language

Understanding of healthcare system pathways

Increasing access to clinical trials

Coaching and cultural, emotional and psychosocial support

Assistance with physical needs and other barriers to care

Facilitated referrals to community resources and social services




AGENDA

Patient Navigation Research Program

Accomplishments in Support of Science

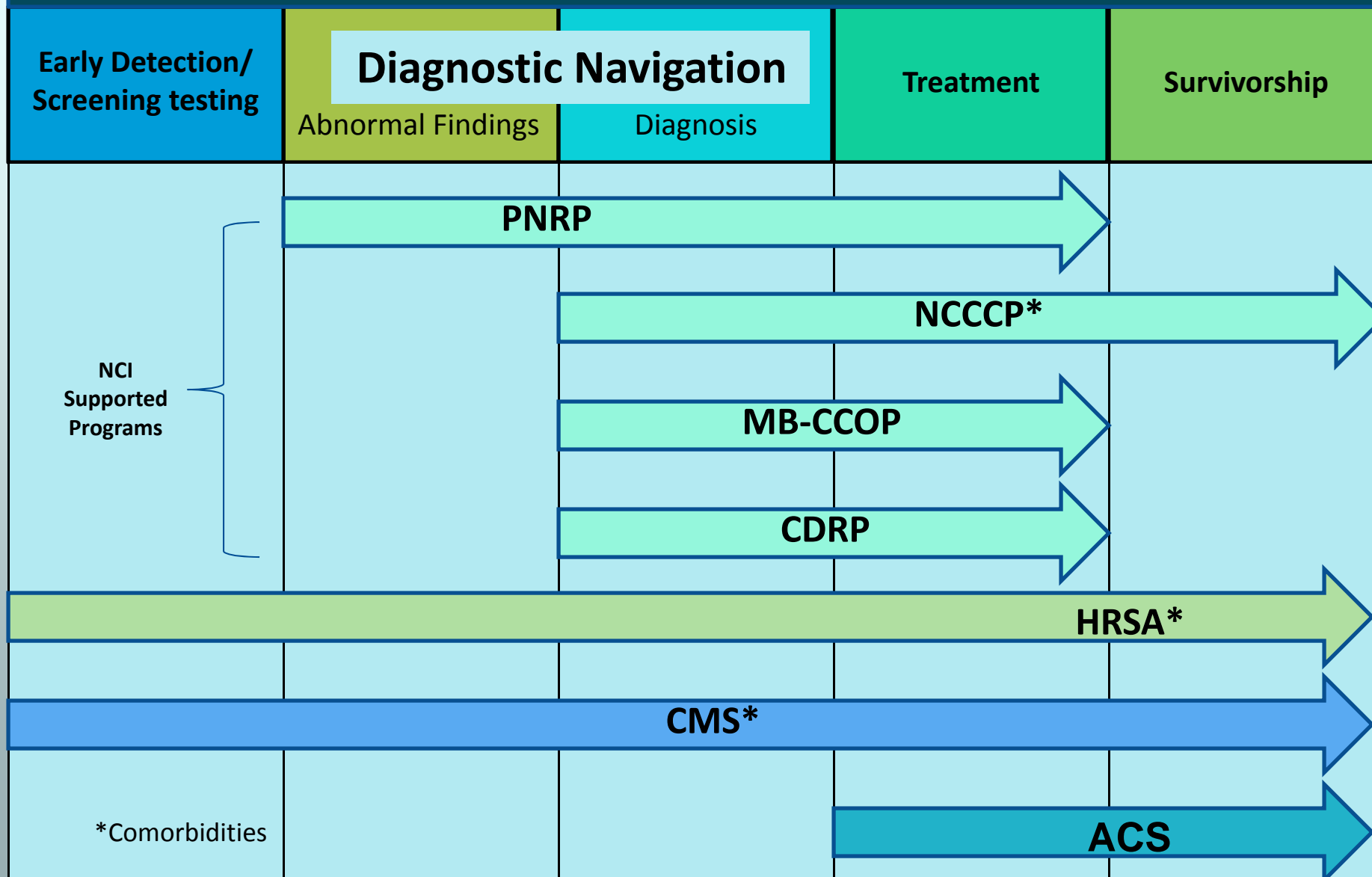
Interim Analysis and Findings

Select Research Project Scientific Contributions



Patient Navigation
Research Program
(PNRP)

National Navigation Programs Across Cancer Care



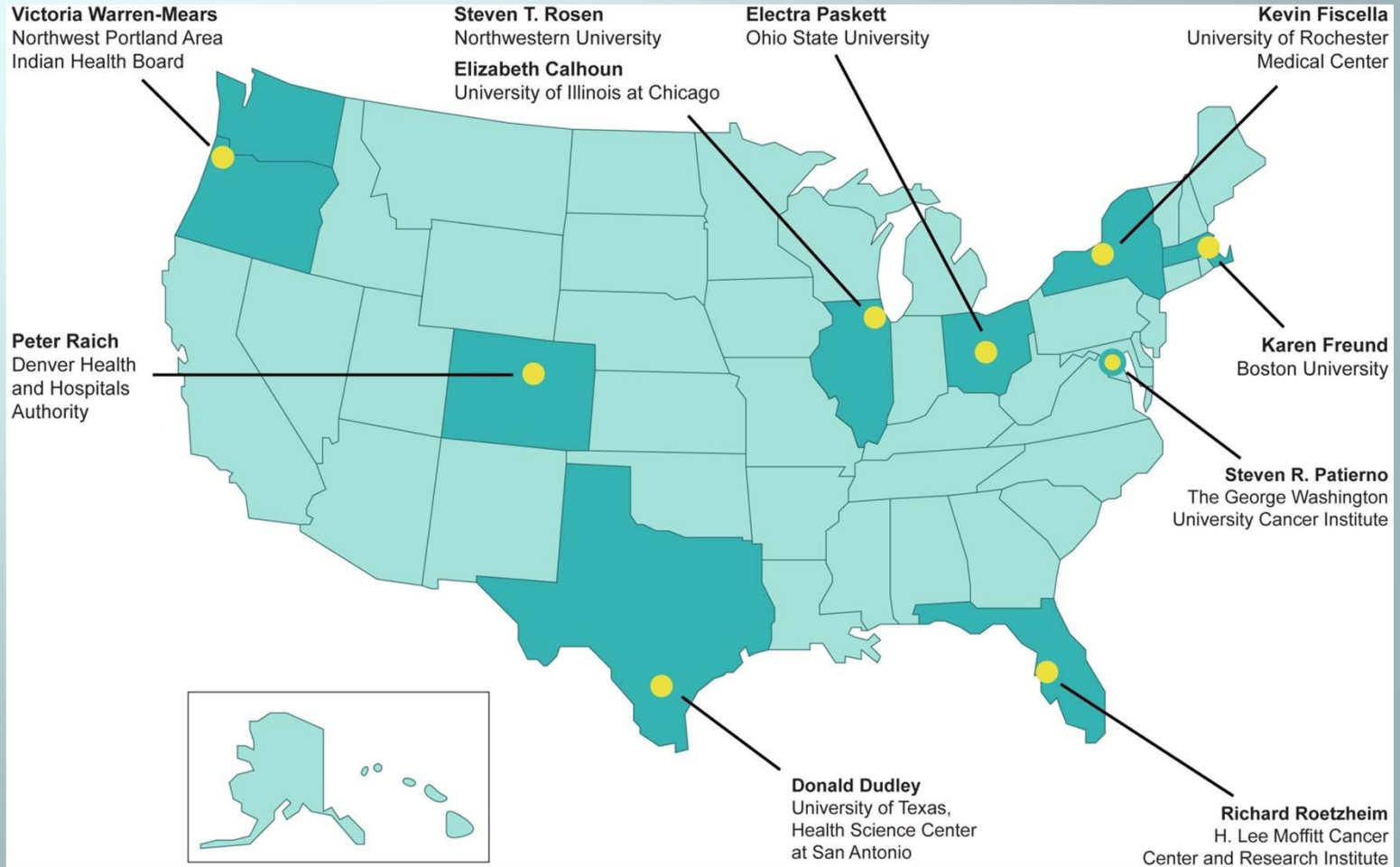
Patient Navigation Research Program

Navigators work with cancer patients to “navigate” the health care system and access appropriate social and financial services.



The most important role of patient navigators is to ensure that individuals with suspicious cancer findings receive timely diagnosis and treatment.

PNRP Grantee Map



Cancer Types by Site

	Breast	Cervical	Colorectal	Prostate
Northwestern U – Chicago	X	X	X	X
UT – San Antonio	X	X		
University of Rochester	X		X	
Boston University	X	X		
Ohio State University	X	X	X	
GWU – Washington, DC	X			
Denver HHA	X		X	X
H Lee Moffitt - Tampa	X		X	
Northwest Portland Area Indian Health Board	X	X	X	X

PNRP Hypotheses

Will navigated patients...

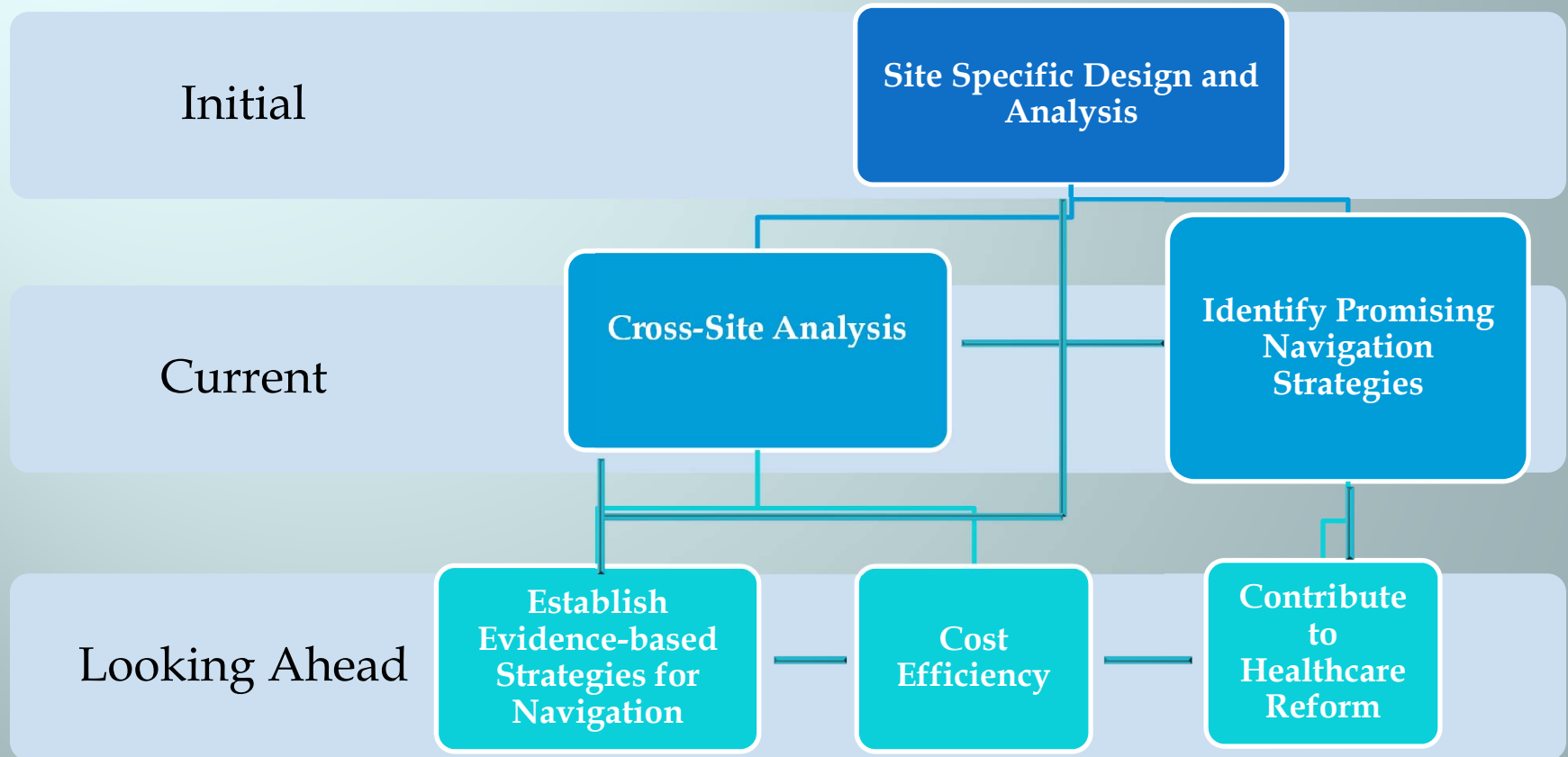
Receive **timelier, definitive resolution** following an abnormal finding?

Receive **timelier treatments** following a positive diagnosis?

Improve their **satisfaction** with the health care system experience?

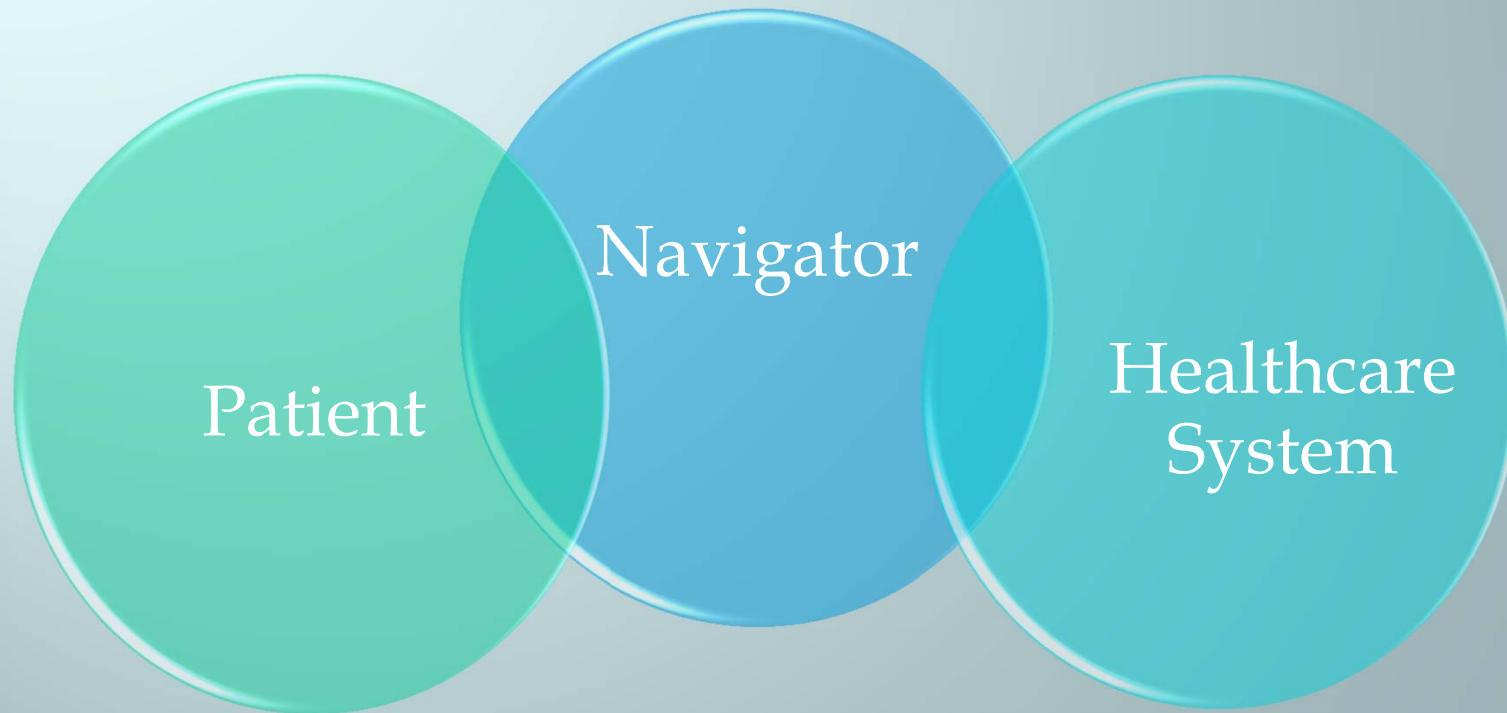
T1

PNRP Evolution



PNRP Triad

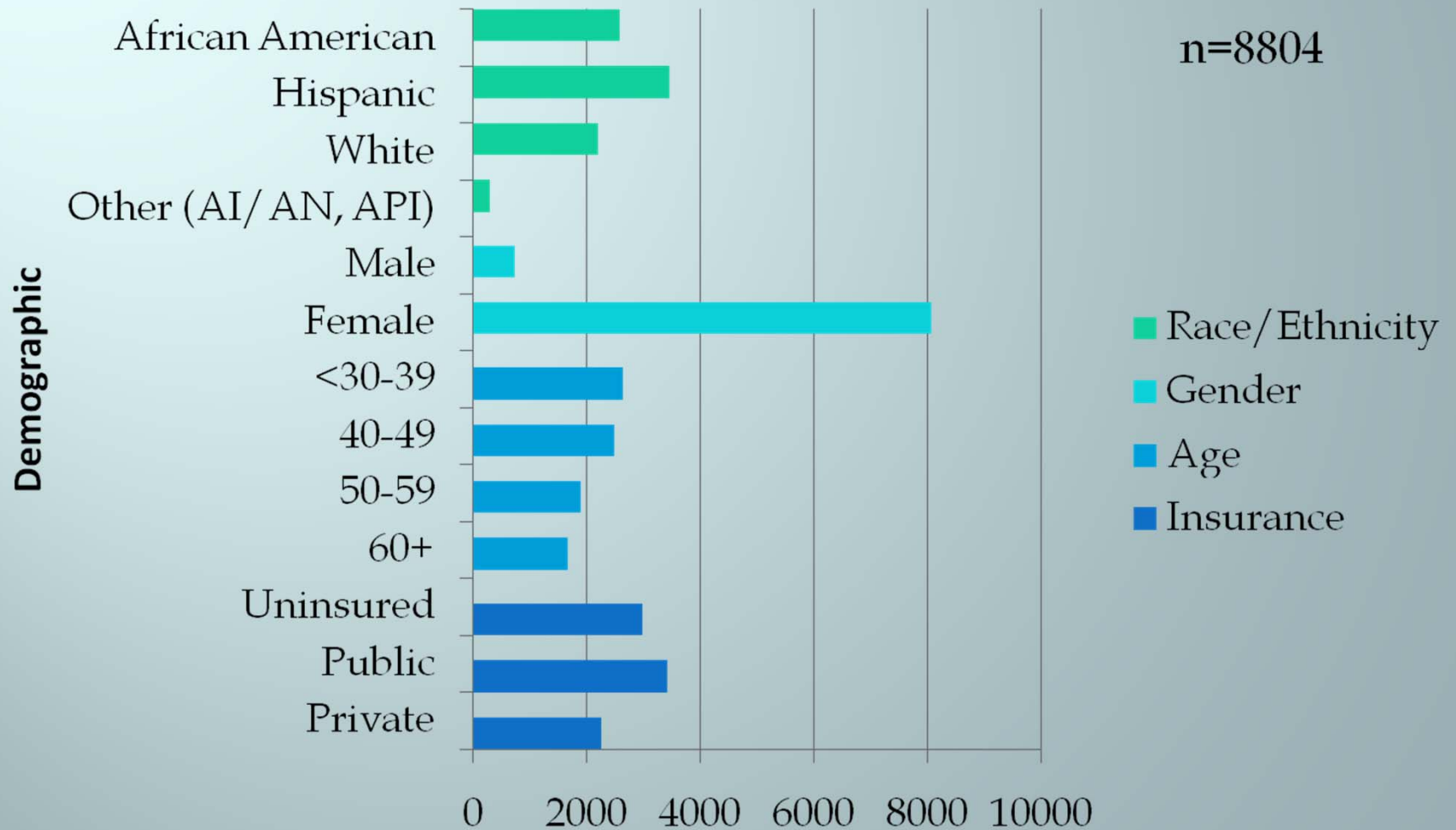
Enhancing Patient Access



PNRP Target Populations

Site	African American	Hispanic	Other (AI/AN, API)	Underserved (Low Income)
Northwestern U - Chicago	X	X		
UT - San Antonio		X		
University of Rochester				X
Boston University	X	X	X	X
Ohio State University	X			X
GWU - Washington, DC	X	X		X
Denver HHA	X	X		X
H Lee Moffitt - Tampa	X	X		X
Northwest Portland Area Indian Health Board			X	

Participant Characteristics



Navigation Delivery

In-
Person
&
Phone

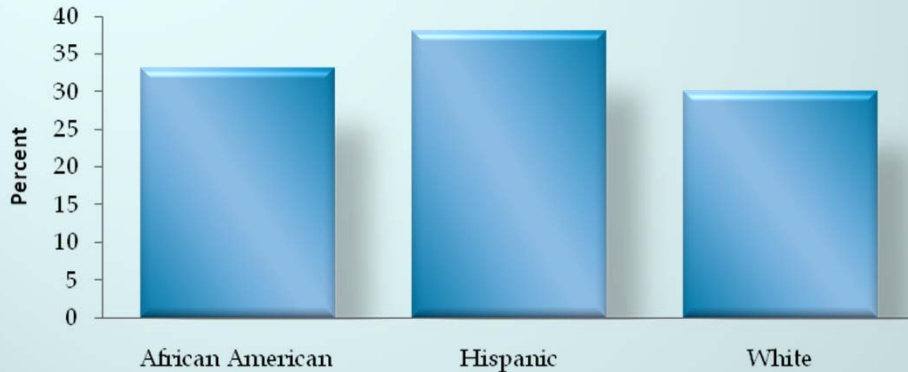
- Chicago- UIC/ ACCESS and Northwestern U/VA Medical Center
- Denver Health & Hospital Authority
- Northwest Portland Area Indian Health Board
- University of Rochester
- University of Texas at San Antonio Health Sciences Center
- Moffitt Cancer Center (Tampa)
- George Washington U Medical Center

Phone

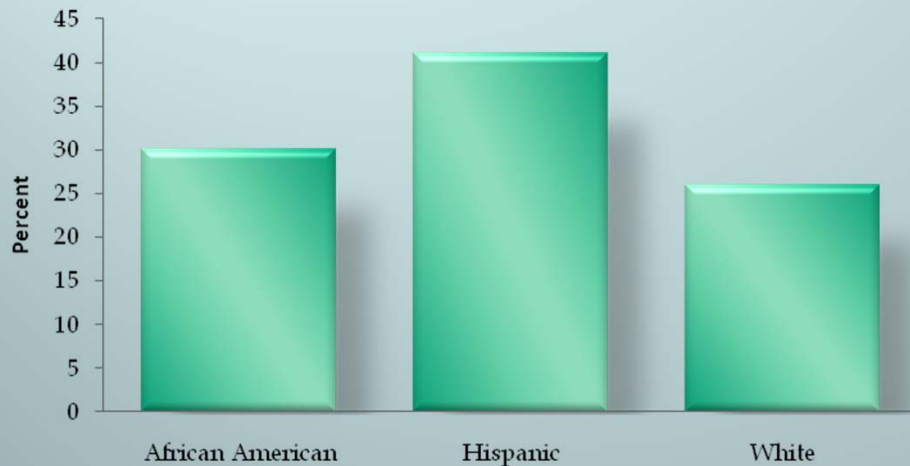
- Boston Medical Center
- Ohio State University

Navigator Profile Reflects Community

Race/Ethnicity



Navigator



Community

90% Female

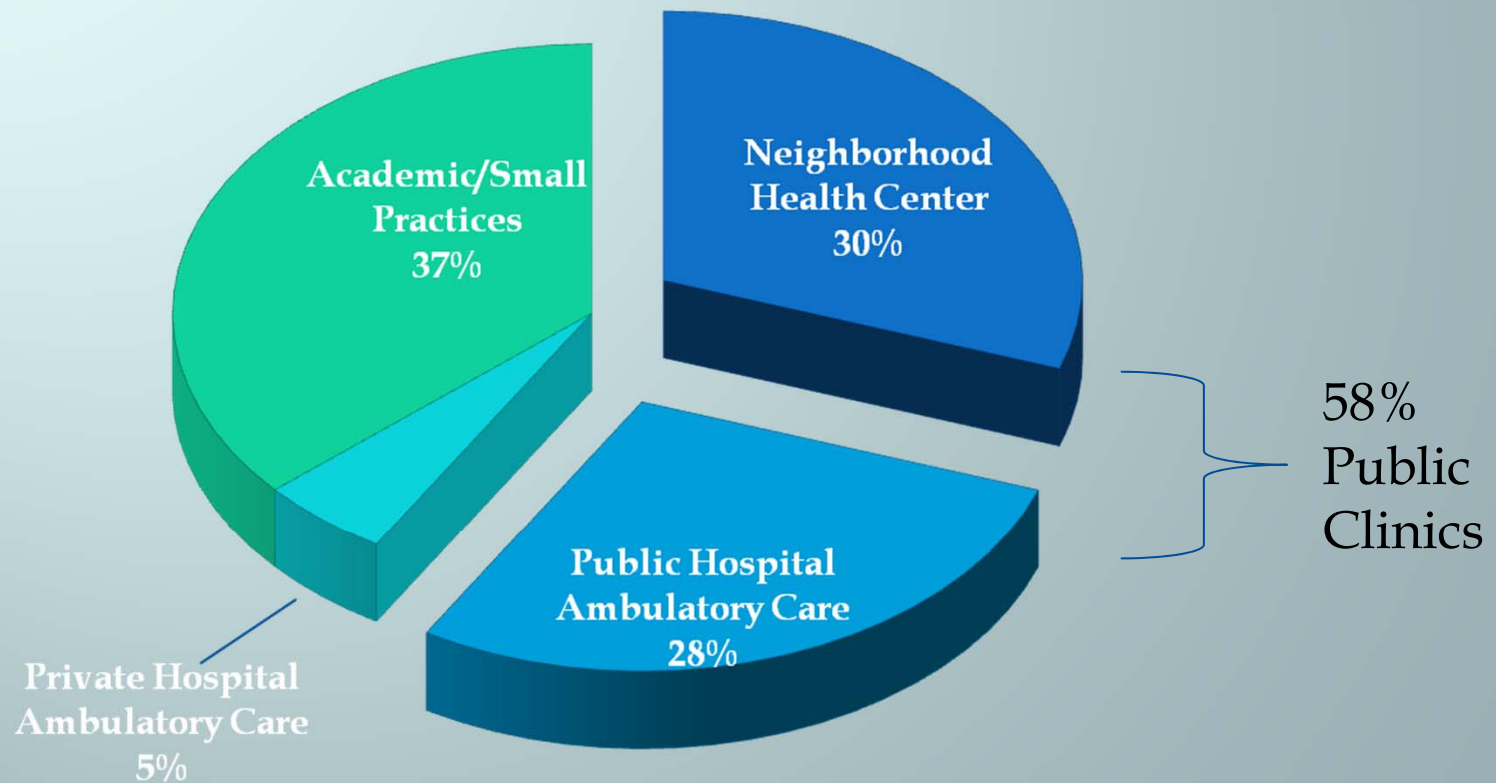
38 years old

24% Spanish primary language

89% education beyond high school

30% professional healthcare training

Healthcare System Settings (n=95)

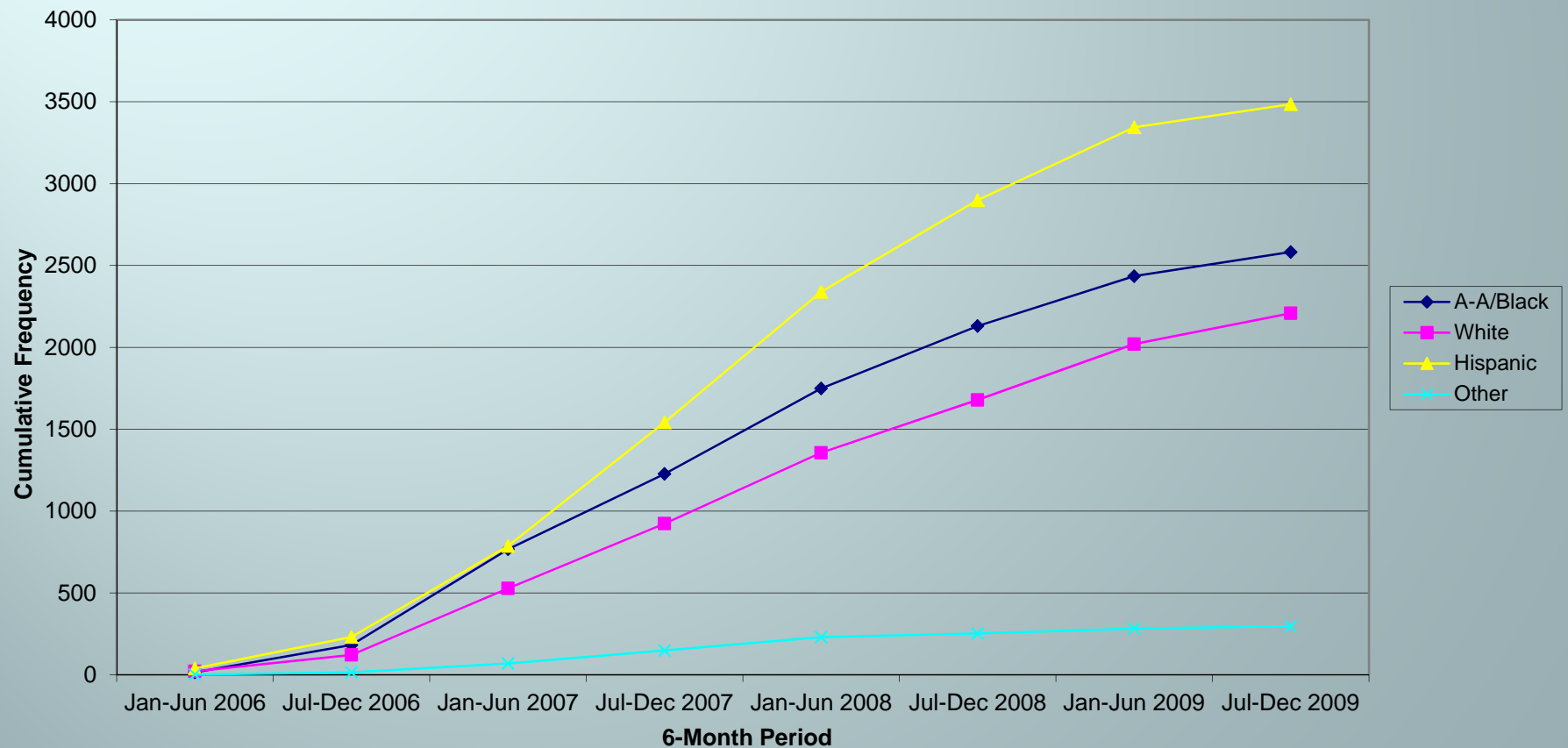


The image features a central blue 3D rectangular box with a gradient background. The box has a dark blue inner surface and a lighter blue outer surface, giving it a three-dimensional appearance. The text is centered within the box in a white, serif font.

PNRP
Recruitment and
Training

Enrolled Participants over Time

Cumulative Frequency of Eligible Patients for 6-Month Periods by Race/Ethnicity - Total Sample for All Cancer Sites

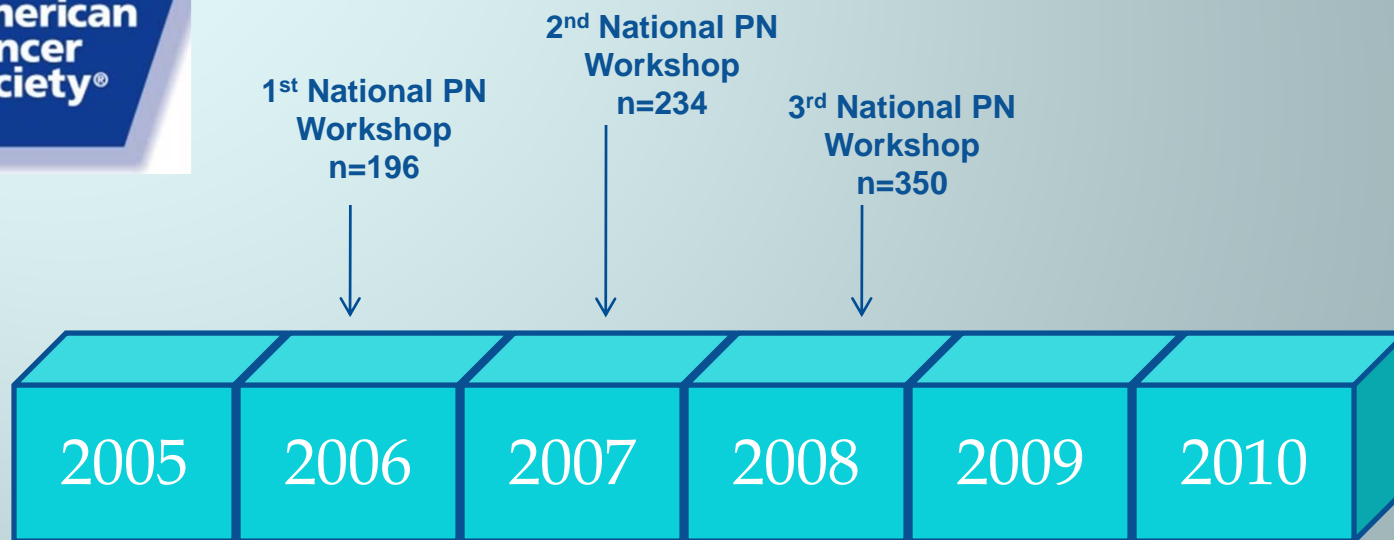


Best Practice Recruitment Strategies

Building Trust and Relationships

- Interact with **providers** and the **healthcare systems** to identify potential patients
- Engage with the **community** through participation in cultural events for opportunities to recruit for study participation
- Work with “**detailer**” to assist in forming relationships and obtaining provider buy-in to increase recruitment
- Meet with or telephone **patients** to discuss eligibility and what to expect in study participation

Local Training Expanded through National Workshops and Web-based Trainings



PNRP PN Toolkit

Barriers and Resources Webinars

Proactive Navigation Webinars
n=40

PN Training

– Core Competencies and Local Context –

National PN Training


- Standardized training across PNRP sites
- Build core competency
- Address training needs
- Control for training effects

Local PN Training

- Orientation training for new PNs/continued education training tailored to local context/patient culture
- Training on research surveys, tracking logs, ethics/IRB, and informed consent
- Small group and one-on-one onsite training to check on current cases, provide cancer specifics, receive feedback, and assess progress



Strength of PNRP Training
Shared set of competencies tailored to specific
local context and culture



Accomplishments
in Support of
Science

Tools and Resources: Researcher

Data Dictionary

Screening test/finding or diagnosis
 Diagnostic work-up
 Diagnosis
 Stage of disease
 Clinical trials
 Treatment

Cancer Type	Characteristics of Care Centers
Cost Effectiveness	Comorbidity
Family Medical History	Health Literacy
Patient Coping and Support	Patient Demographics
Patient Navigator Demographics	Patient Navigator Logs
Patient Navigator Performance Checklist	Patient Satisfaction

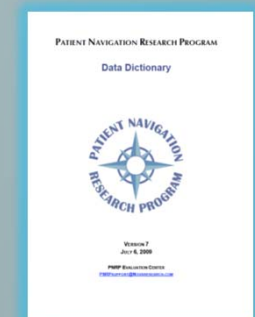
Geographic location
 Setting
 Onsite services
 Pts served/yr
 Pt Ethnicity/race

Impact of Events
 Scale (IES)
 Comm. & Attitudinal
 Self-Efficacy (CASE)

Barriers
 Actions
 PN encounters

Client interaction
 Care management
 Document
 Other intervention aspects

Satisfaction with care
 Satisfaction with navigator



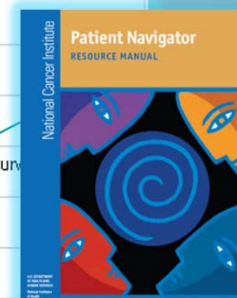
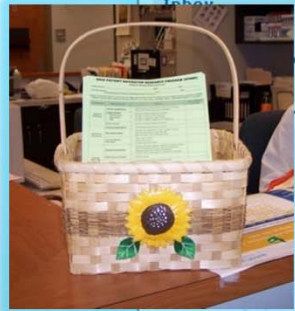
Tools and Resources: Patient and Provider

PNRP Online Community

Home File Repository

Item(s) 1 - 21 of 21

Type	Folder	Description
Folder	Calendars	Conference Call schedules,
PRV	Clinical Definitions Committee	
Folder	Committee & Listserv Information	Committee roster, descripti
PRV	Cost-Effectiveness Analysis Committee	
PRV	Data Dictionary/Upload Instructions/CDE Issues	Data Dictionary and Data U studies
PRV	Database/Web Site Committee	
Folder	Decision Log	
PRV	Design and Analysis Committee	
PRV	Health Policy Committee	
Folder	Instruments w/ Interview Guides	Excerpts from the Data Dictionary / Spanish Translation of Patient CEA Sur
Folder	navigator narratives	
Folder	Patient Navigator Training Toolkit	PNRP Training Resourc
PRV	Patient Navigator Webinar Training	
Folder	PNRP Meetings	Information pertaining to
PRV	Program Coordinators	
PRV	Publications and Policy Committee	
Folder	Publications/Presentations	
PRV	Regulatory Issues Committee	



Partners

National Cancer Institute

- NCI CTROC supports 2 supplements for navigation to clinical trials
- NCCCP uses PNRP instruments and resources
- National Outreach Network supports 4 PNRP community health educators
- CRCHD/DTB funds 17 diversity supplements

National Institutes of Health

- NCMHD supports HD Research Centers at Chicago (UIC P60) and U So. FL/Moffitt (P20), Chicago NW R24, and Boston RC1
- Office of AIDS Research funds 2 HIV/ AIDS-related malignancy supplements

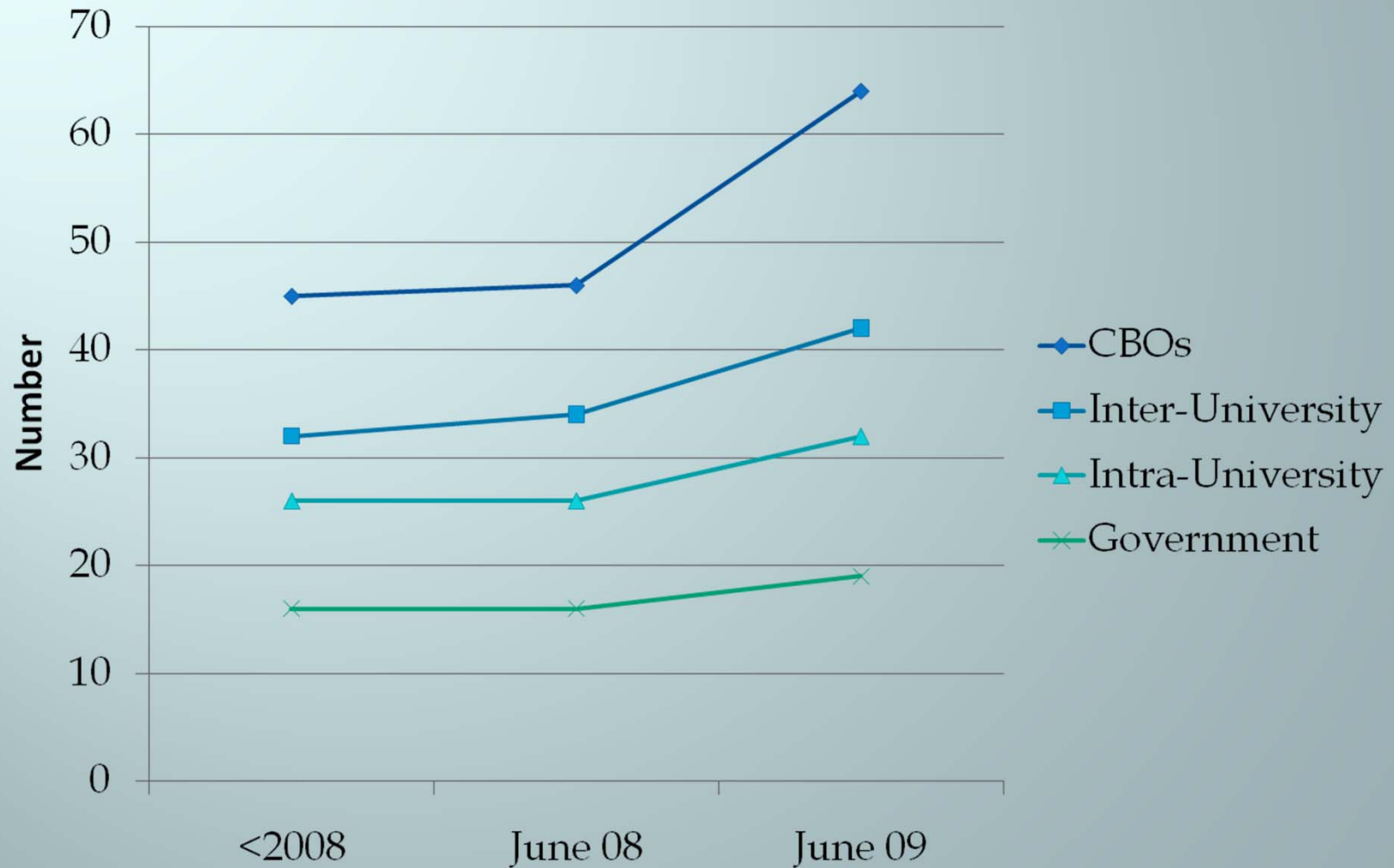
American Cancer Society

- Supports OH PNRP over 5 years
- Supported 3 National PN Workshops and partnered on webinar trainings
- Supporting the PN Leadership Summit (March 2010)

AVON Foundation

- Supports task and social network analysis for patient navigation

Site-Specific Partnerships / Collaborations





Interim
Analysis
Findings

PNRP Hypothesis - Interim Analysis

Will navigated patients...

Receive **timelier, definitive resolution** following abnormal findings?

Receive **timelier treatments** following a positive diagnosis?

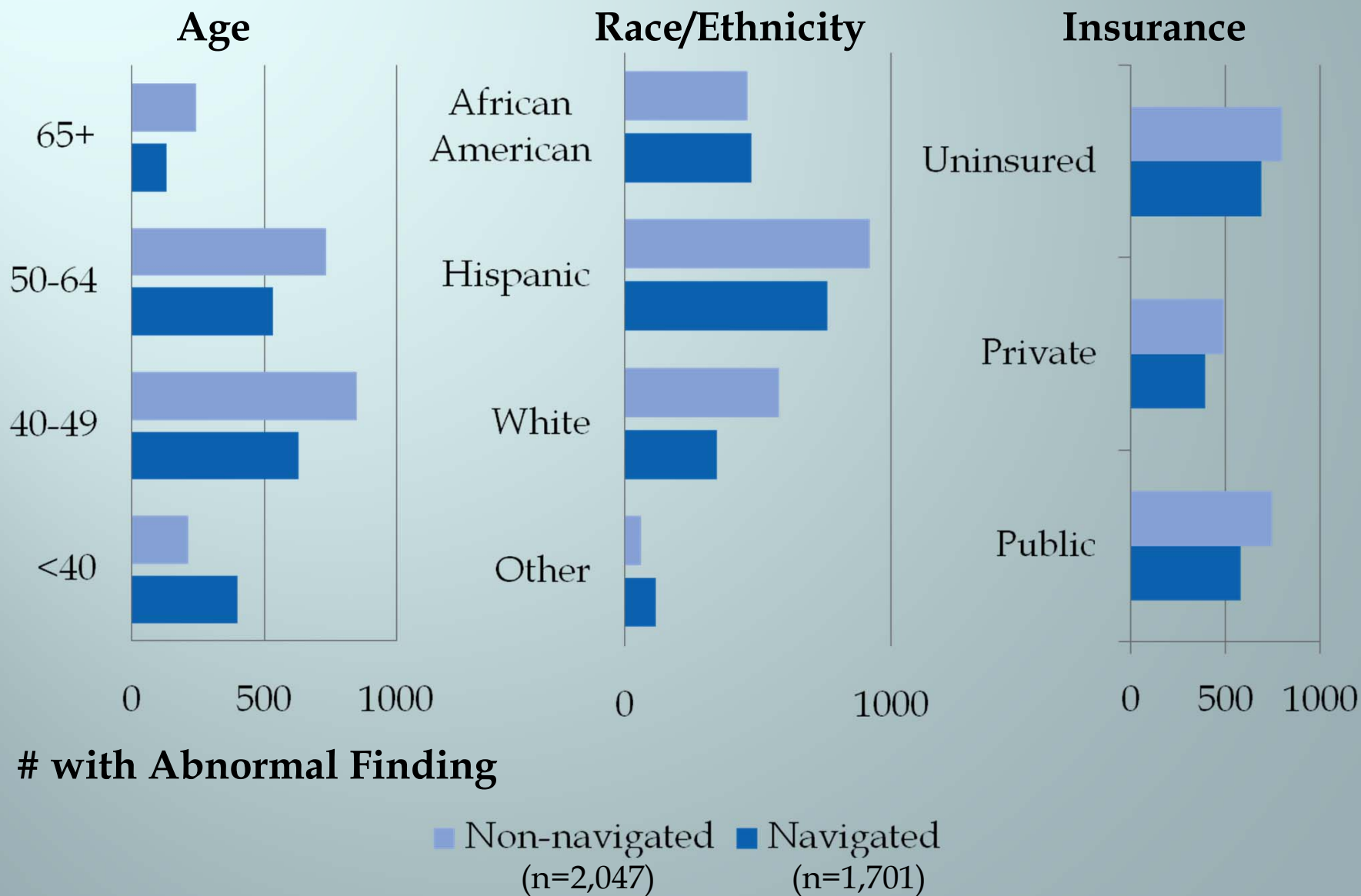
Improve their **satisfaction** with the health care system experience?

T1

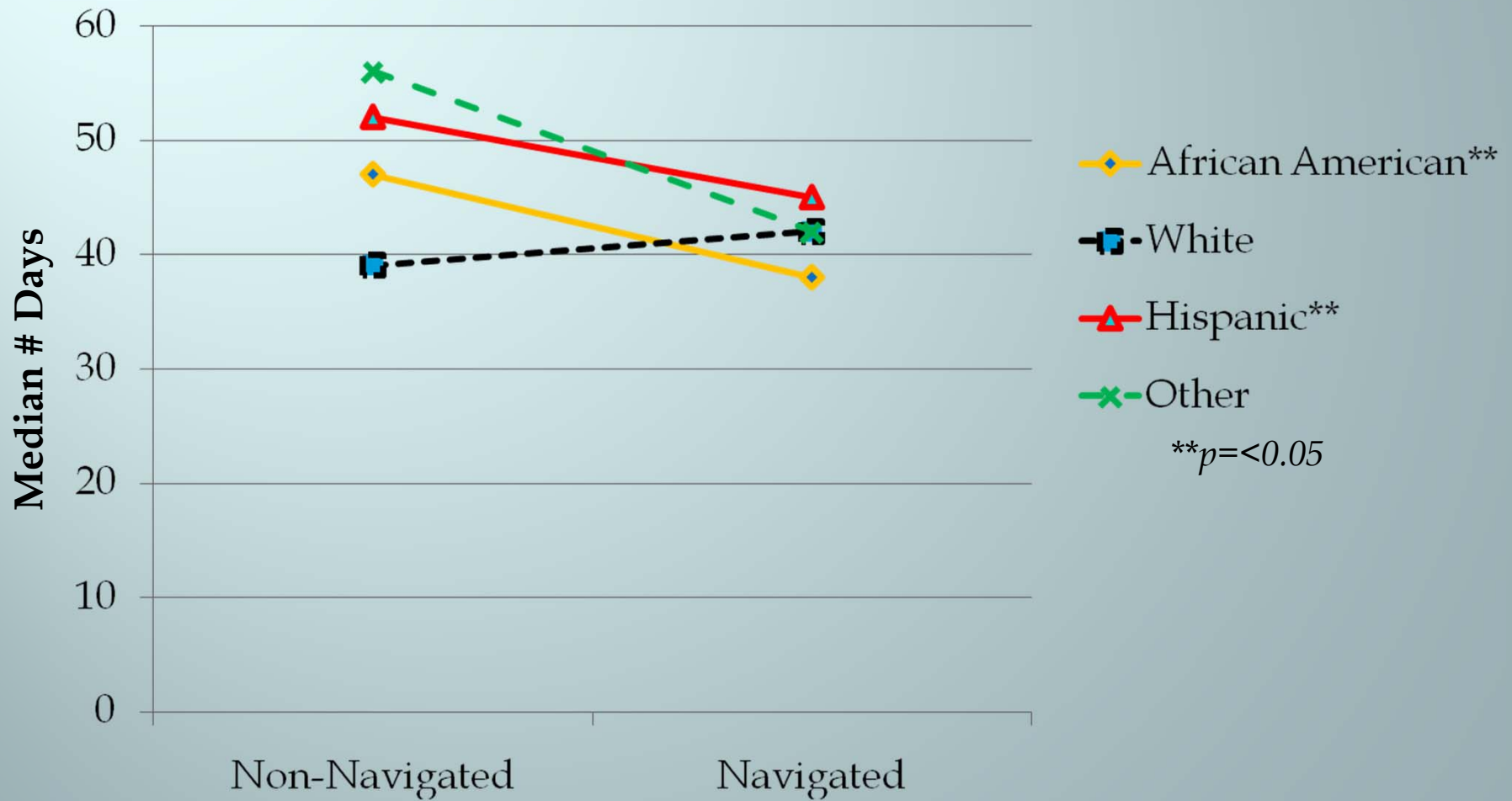


Breast

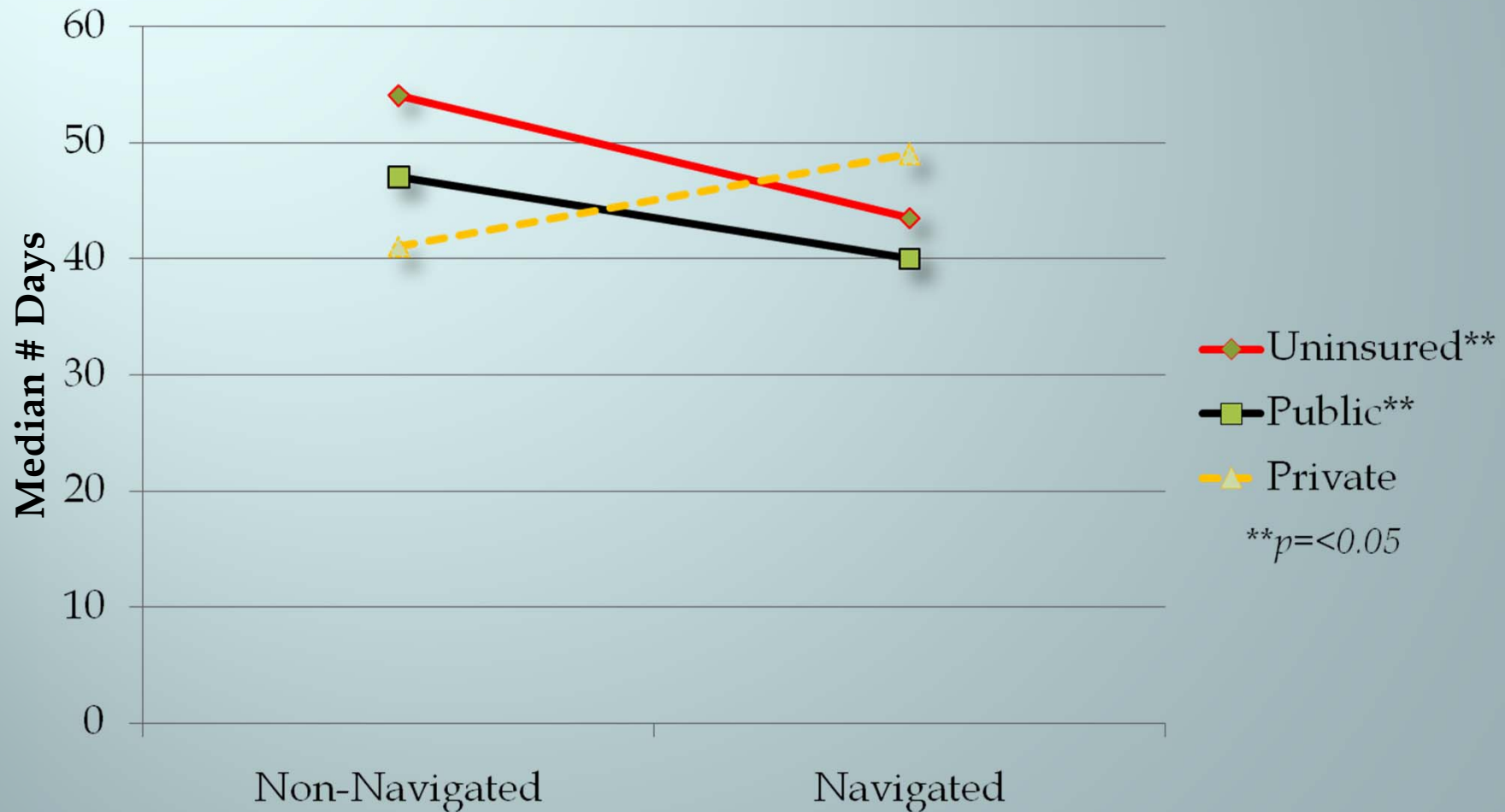
Selected Demographic Characteristics of Study Participants (Breast)



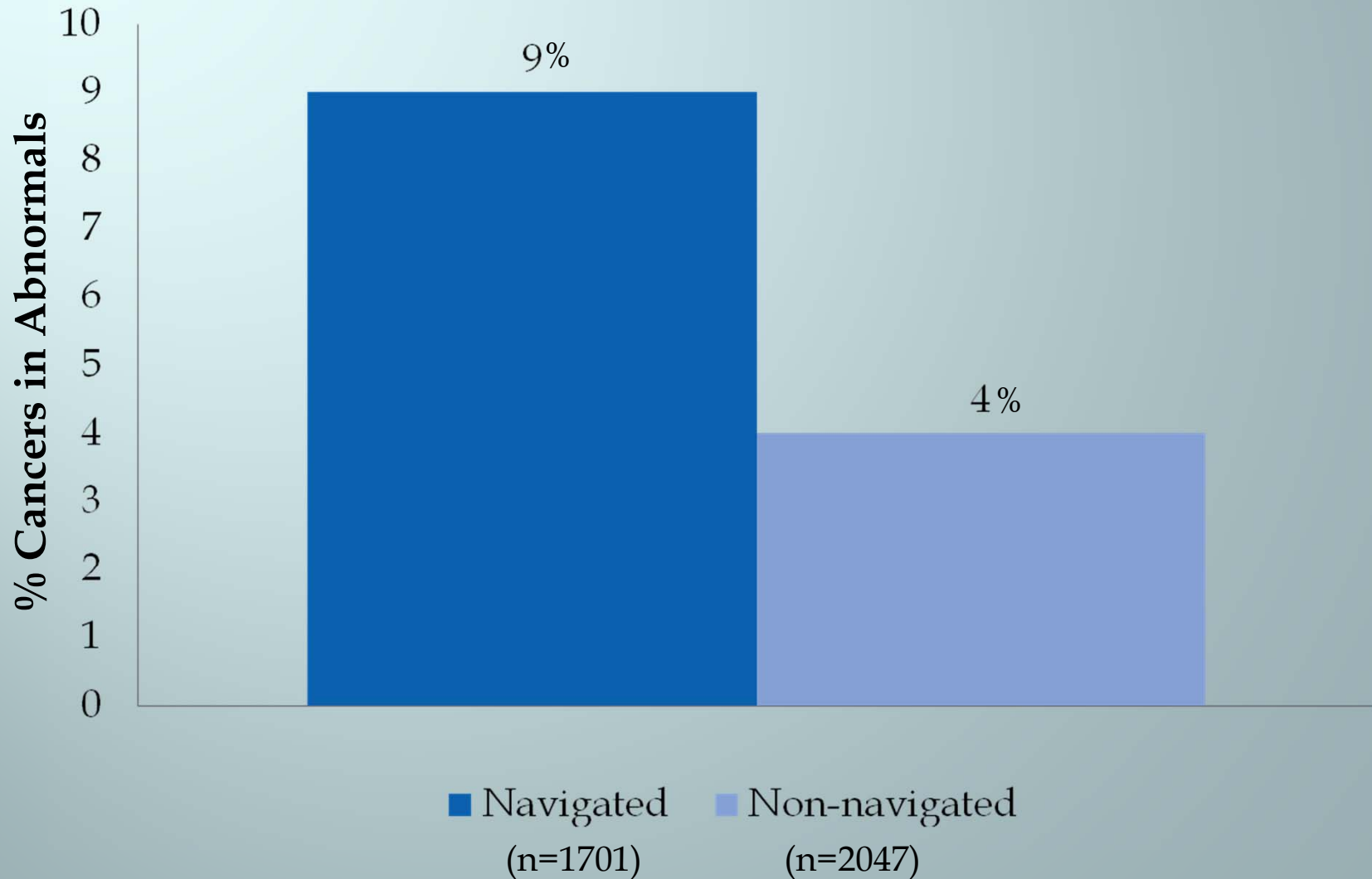
Median T1 by Racial/Ethnic Group (Breast)



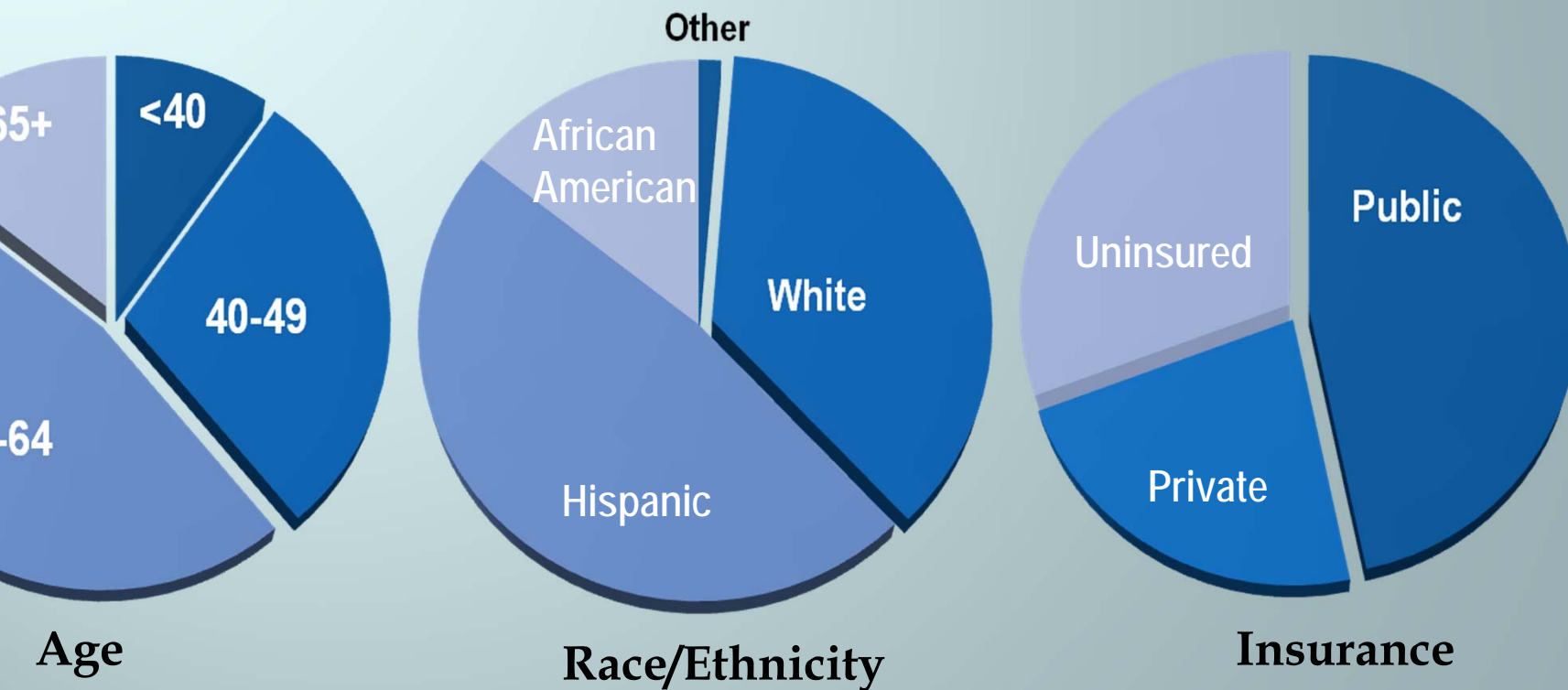
Median T1 by Insurance Coverage (Breast)



Percentage of Diagnosed Cancers (Breast)



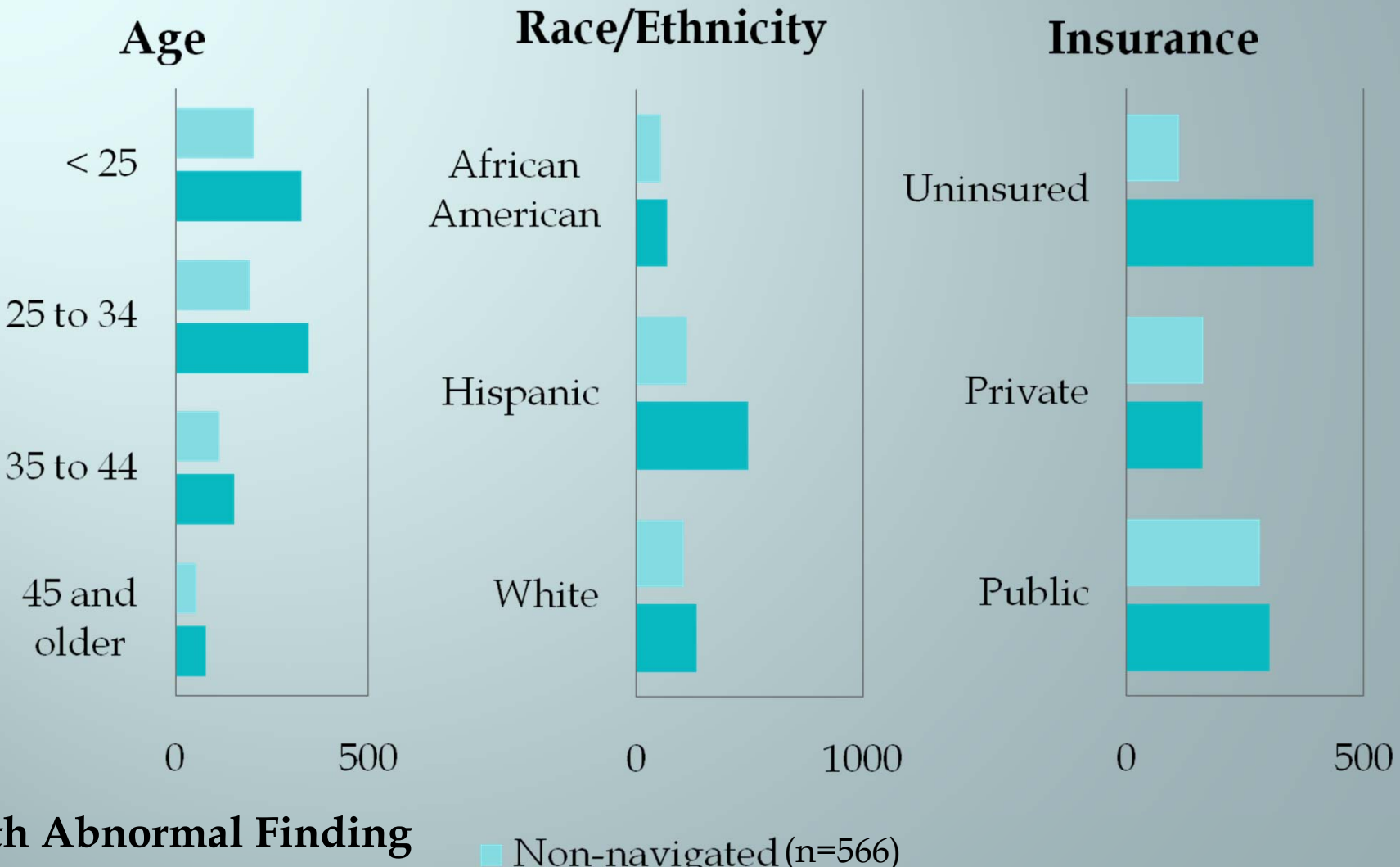
Demographic Characteristics of Navigated Participants Diagnosed with Breast Cancer (n=154)



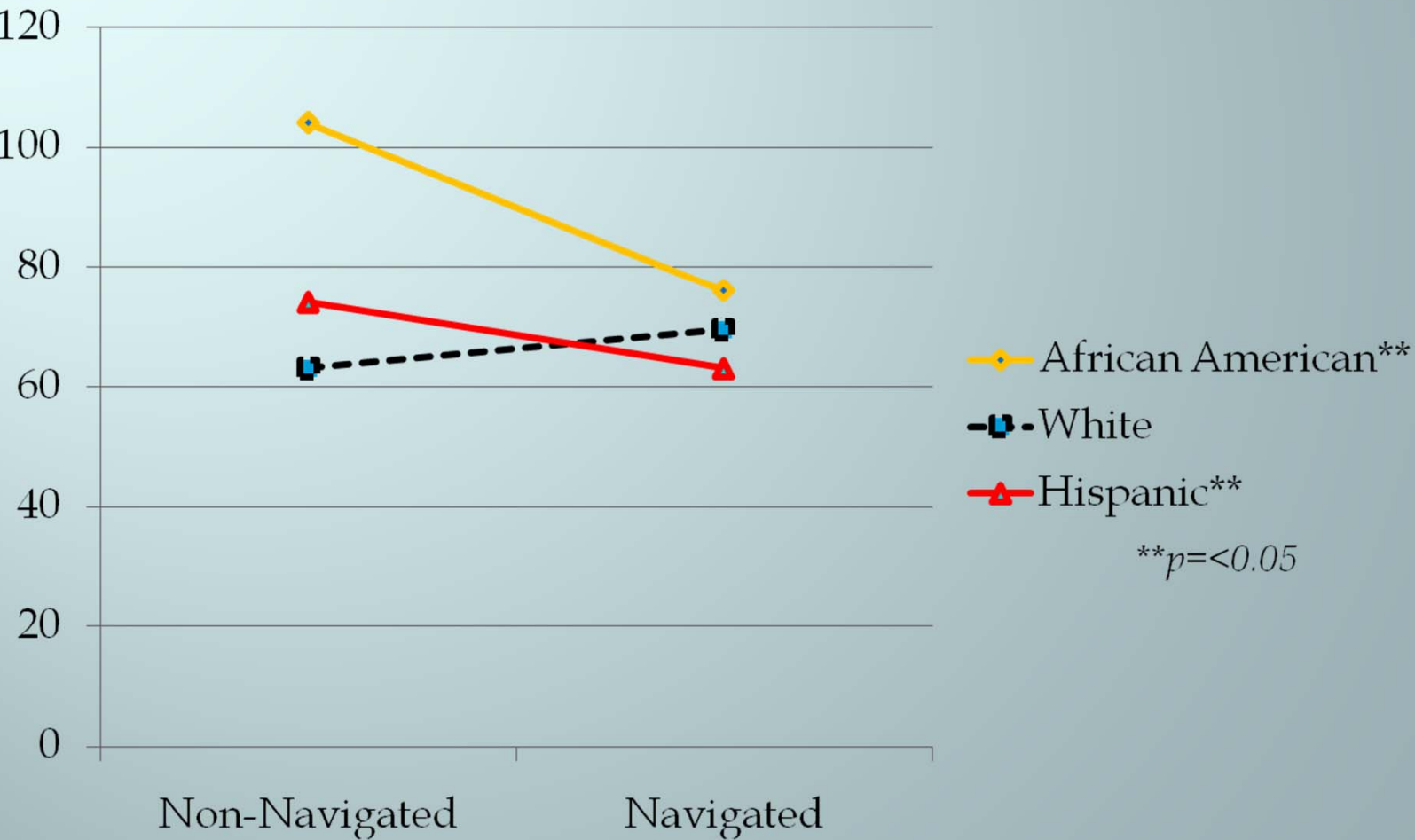


Cervix

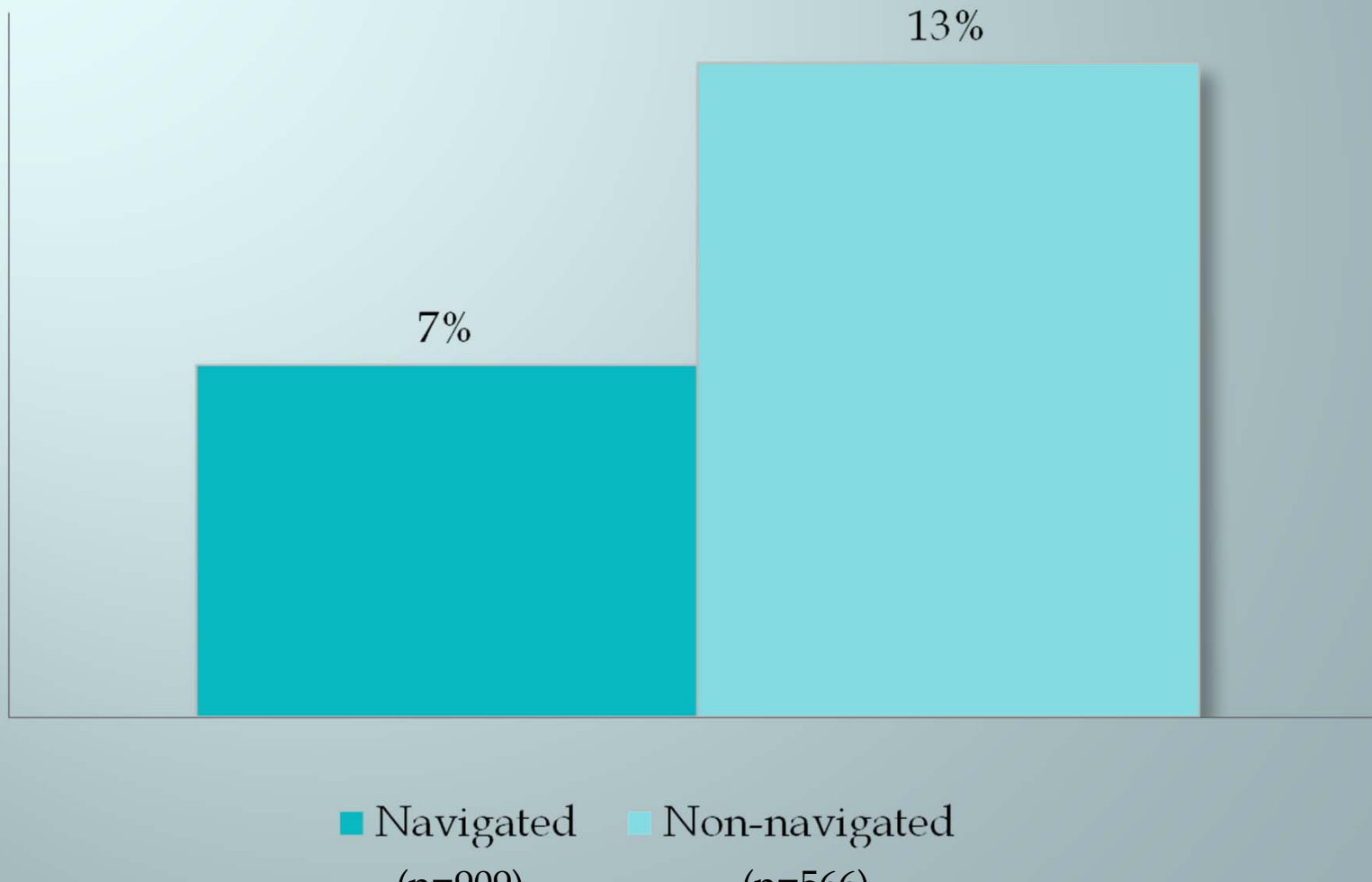
Selected Demographic Characteristics of Participants (Cervix)



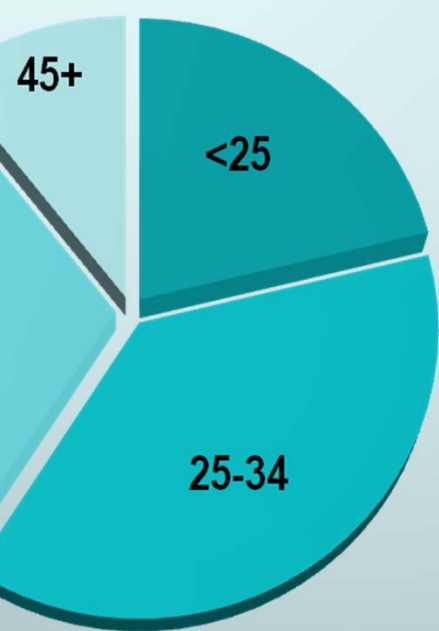
Median T1 by Racial/Ethnic Group (Cervix)



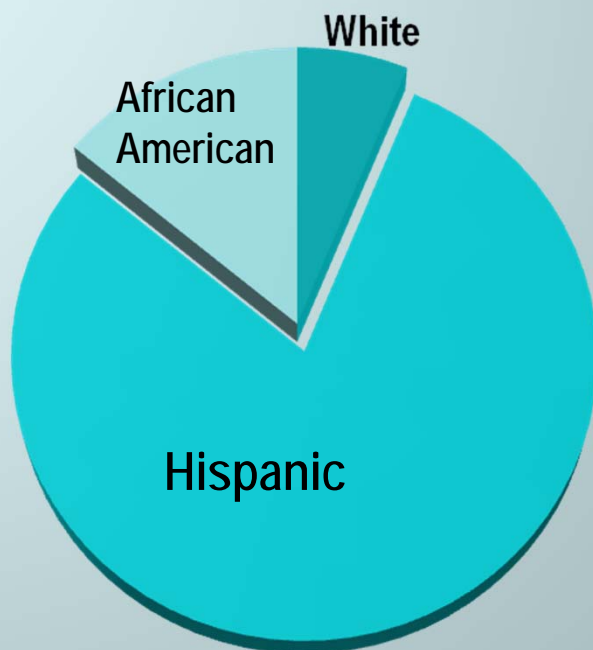
Percentage of Diagnosed Cancers (Cervix)



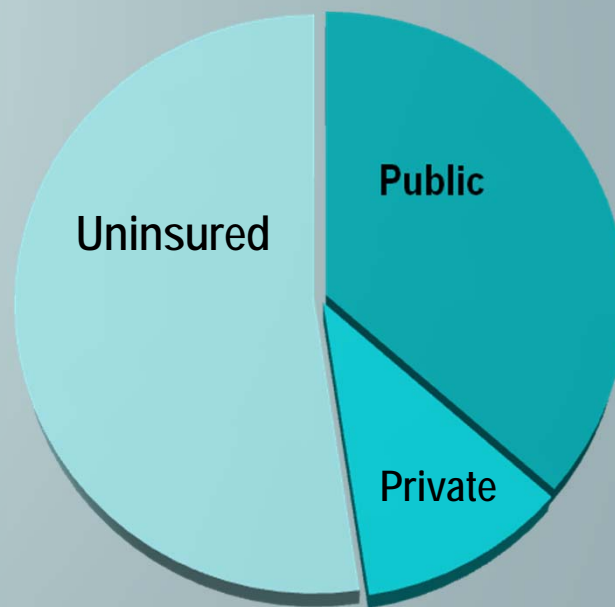
Demographic Characteristics of Navigated Participants Diagnosed with Cervix Cancer (n=66)



Age



Race/Ethnicity

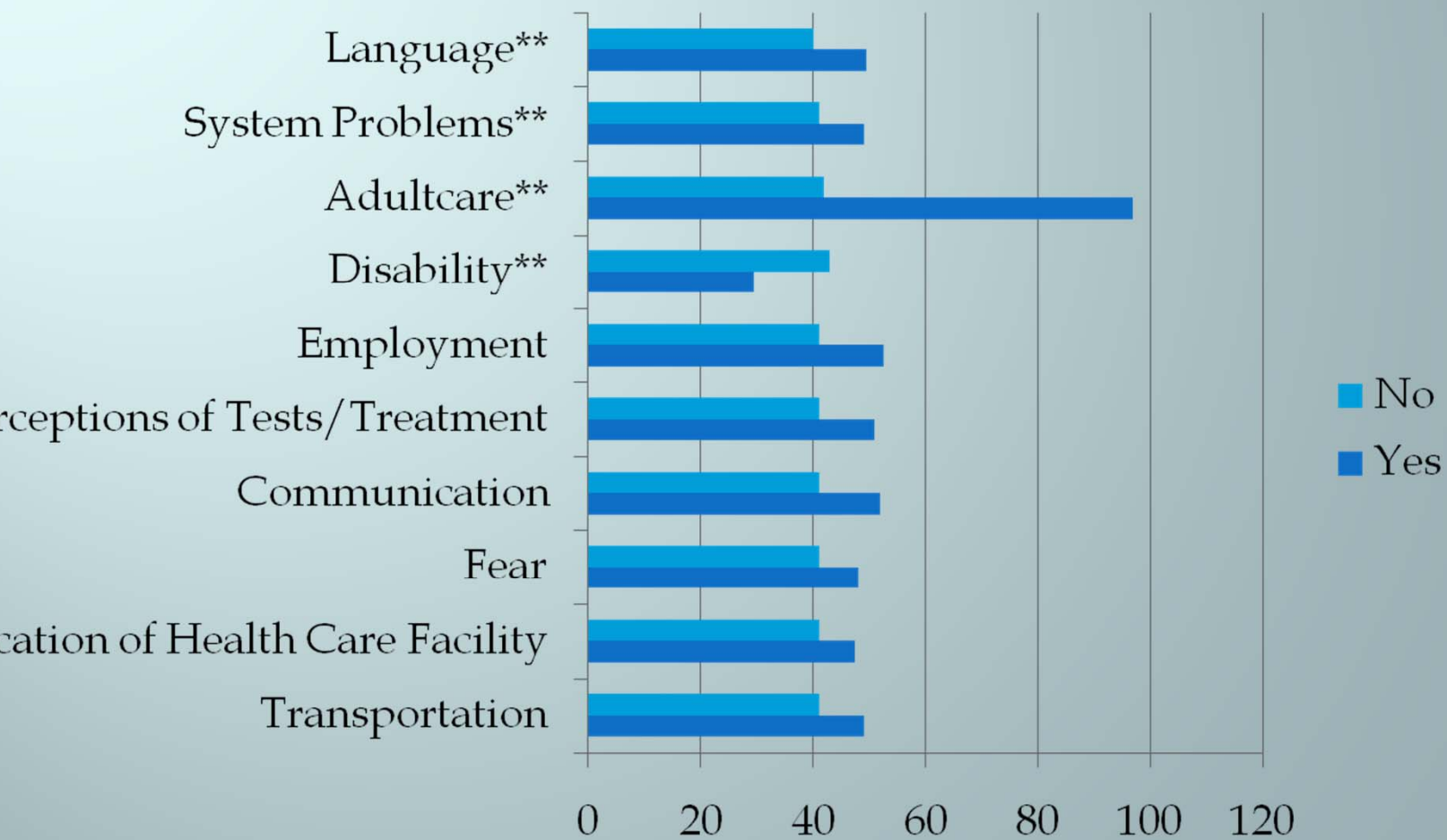


Insurance

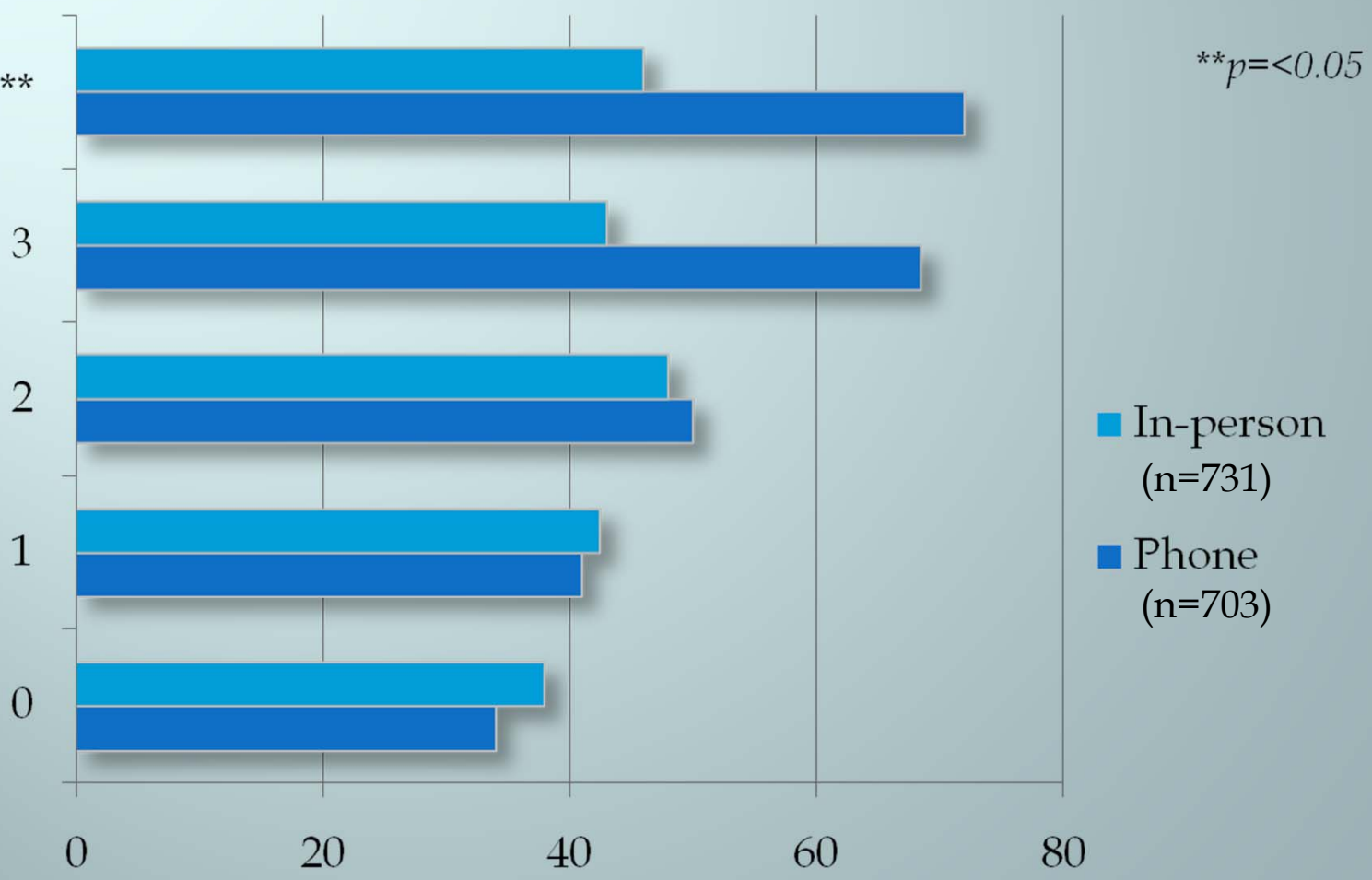


Barriers Analysis

Significant Barriers and Time to Diagnostic Resolution (Breast)



Impact of Navigation Delivery on Time to Diagnostic Resolution (Breast)



Impact on Diagnostic Resolution

1 navigated
patients...

receive **timelier,**
positive resolution
following an
abnormal finding?

Navigation
may decrease
time to
diagnostic
resolution for

- African Americans
- Hispanics
- Uninsured

For **3 or more
barriers, in-
person**
navigation may
be a useful
strategy for
reducing time to
diagnostic
resolution.

For **0-2 barriers,**
**telephone
navigation** may
be a useful
strategy for
reducing time to
diagnostic
resolution.



Select Research
Projects
Overviews

Highlights

Enrolling successfully patients from diverse/underserved populations into a patient navigation study

Delivery: Assessing models of patient navigation delivery

Resource Efficiency: Developing science supported resources and tools for patients, providers, and researchers

Position: Understanding how to position navigation based on number of barriers, population, and navigation delivery

Next Steps

Final Data Analysis

All cancer sites

Diagnosed cases

All instruments

Dissemination of
Scientific Information

Next Generation Navigation Research

Delivery:

Benefits and components to Navigation, populations, best practices, and comparative effectiveness

Resource Efficiency:

Navigation and resource efficiency

Position:

Barriers, time, diagnostic resolution and treatment, and cancer survival

PNRP Program Staff

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Dr. Kenneth Chu

Donald Corle, M.S. (DCP)

<http://crchd.cancer.gov>