What is ACCORDS?
Adult and Child Center for Outcomes Research and Delivery Science

ACCORDS is a 'one-stop shop' for pragmatic research:

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- Strong methodological cores and programs, led by national experts
- Consultations & team-building for grant proposals
- Mentorship, training & support for junior faculty
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ACCORDS Upcoming Events

June 5-6, 2023 10:00 -3:30 PM MT AHSB Conference Center	**COPRH Con 2023** **Reassessing the Evidence:** What is Needed for Real World Research and Practice **Featured Speakers:** Ross Brownson, PhD | Washington University in St. Louis Faith Kares, PhD | Beloved Community Maria Fernandez, PhD | University of Texas Health Sciences Center at Houston Ned Calonge, MD | Colorado School of Public Health **Register now at www.COPRHCon.com**

*all times 12-1pm MT unless otherwise noted

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Advancing Health Equity in Cancer Prevention and Control through Implementation Science:
Moving Our Evidence Base into Action for All

ACCORDS Methods and Challenges in Conducting Health Equity Research

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Senior Advisor for Implementation Science and Health Equity
Division of Cancer Control and Population Science, National Cancer Institute, USA

NIH NATIONAL CANCER INSTITUTE

May 15, 2023

Views are my own and do not reflect my employer, the National Cancer Institute, NIH.
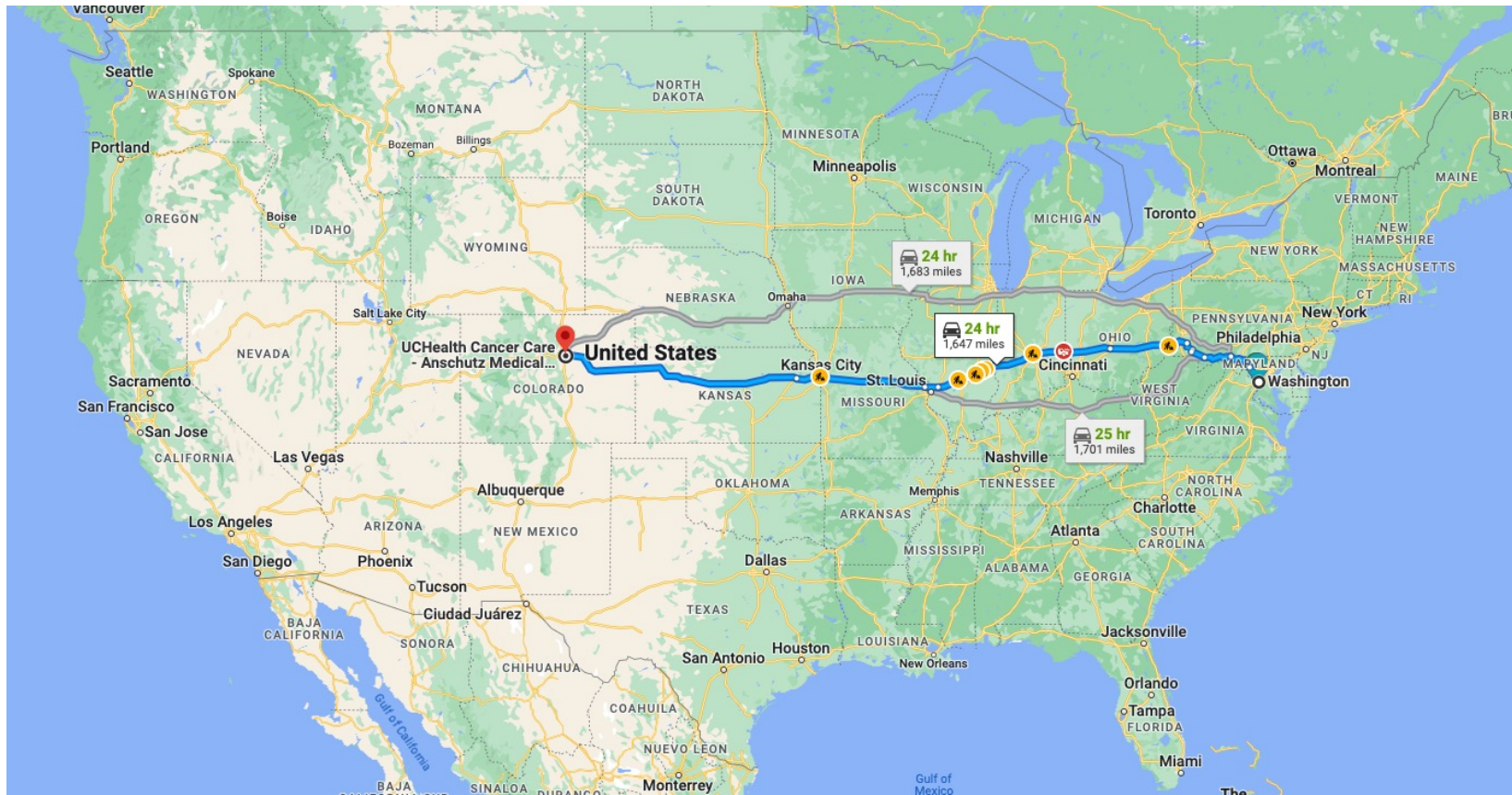
Researcher and Research Context

Figure 1. Application of an Anti-Racism Lens in Implementation Science
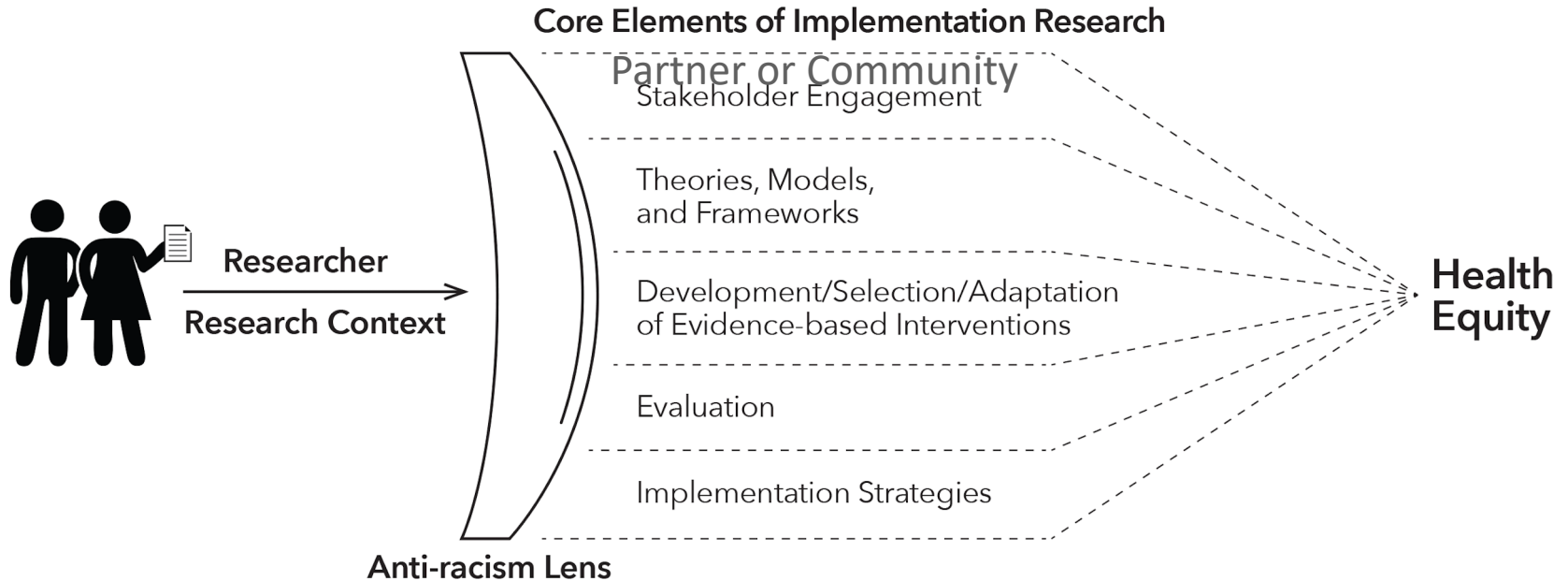
Shelton RC, Adsul P, Oh A, Moise N, Griffith D. Bringing an anti-racist lens to implementation science: Opportunities to advance a focus on equity and racial justice. *2021,* Implementation Research & Practice

CANCER CONTROL & POPULATION SCIENCES RESEARCH FRAMEWORK
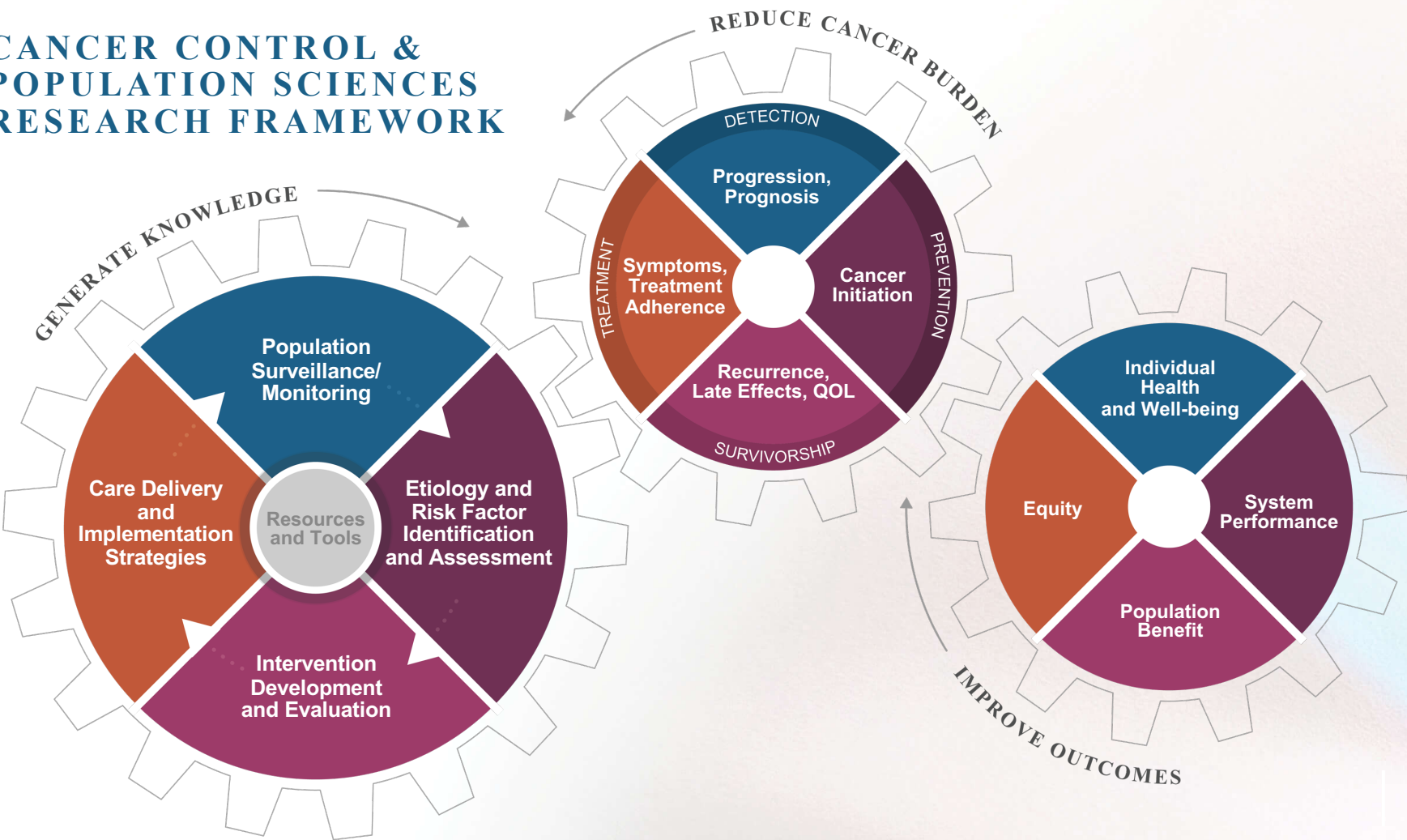
KEY CROSS-CUTTING AREAS OF FOCUS

Health Equity

Data Strategies

Modifiable Risk Factors

Climate Change

Evidence-based Policy

Digital Health

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Agenda

Social Determinants of Health and Multilevel Approaches

Communication and Impact Assessment

Organizational Mindset & Engagement

Defining Cancer Control Equity

Open Access Actionable Research tools and data

Why is an Equity lens important in Implementation Science?

- Our Evidence-Based Interventions (EBIs) may be inequitably applied to those with more resources

- Pragmatic approaches require an understanding of the "real-world" including history, local resources, and recognize local capacity that can impact disparities and sustainability

- Community (or "Stakeholder") engagement is an essential component of implementation models and frameworks

- Emphasis on context, multilevel approaches and intersecting systems which may be barriers or facilitators to implementation

What Are the Innovations?

Interventions · Tools · Programs

What Are the Implementation Challenges?

Underuse — Failing to deliver the innovation to those who would benefit

Overuse — Delivering the innovation to those who will not benefit

Who/What Is Affected?

Policy · Community · Health Care System · Provider · Individual

How Do We Improve Implementation?

Interactive Assistance — Working with stakeholders during implementation

Adapt and Tailor — Modifying implementation based on needs

Support Practitioners — Empowering them to effectively implement the innovations

Engage Consumers — Involving individuals and families directly

How Do We Know If Implementation Is Successful?

Acceptability — Innovation is perceived to be appropriate to stakeholders

Uptake — Innovation is used

Cost — Acceptable cost of supporting innovation delivery

Fidelity — Innovation is delivered as intended

Sustainment — Innovation is effectively delivered over time

What Are the Desired Outcomes?

Increased Years of Life · Improved Quality of Life · Health Equity

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Are innovations addressing or exacerbating disparities?

Are there inequalities that are part of the context creating barriers?

Are there opportunities to engage key Community Partners?

What are culturally, historically, and contextually appropriate strategies for people/places do the thing?

How much and how well was the innovation implemented? Who benefits?

Evaluation of Disparities and Equity based on common definitions

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Equitable Implementation

"Equitable implementation occurs when strong equity components (including explicit attention to the culture, history, values, and needs of the community) are integrated into the principles and tools of implementation science to facilitate quality implementation of effective programs for a specific community or group of communities."

Six Considerations for Advancing Equity through Implementation Science

2. Social Determinants of Health and Multilevel Approaches

5. Communication and Impact Assessment

3. Organizational Mindset & Engagement

1. Defining Cancer Control Equity

4. Open Access Actionable Research tools and data

1. Conceptualizing Cancer Control Equity

Cancer control equity:
Everyone has a fair and just opportunity to prevent, detect, receive quality care, and survive cancer with optimal quality of life.

The way in which practitioners define health equity may not be the way *the community* defines health equity.

That is, part of the process of achieving health equity is *letting the community define it.*

Practitioner Delphi Study, US Cancer Control (2021-22)

In Research & Practice Application:

- **Health Equity as an Outcome**

- **Health Equity as a Process**

Action and Evidence

Oh and Adjei, 2022; Korn, Oh, et al (in progress)

2. Social Determinants of Health and Multilevel Approaches
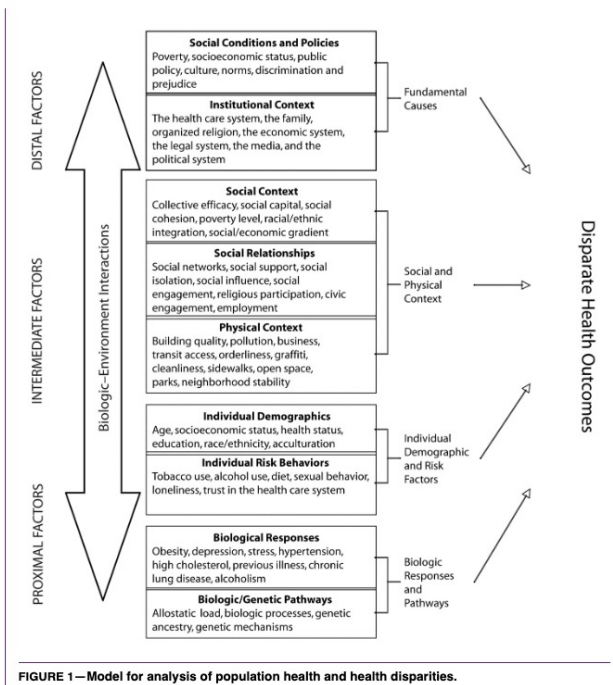
FIGURE 1—Model for analysis of population health and health disparities.

Warnecke, Oh, et al. Approaching Health Disparities from a Population Perspective: The National Institutes of Health Centers for Population Health and Health Disparities. AJPH (2008)
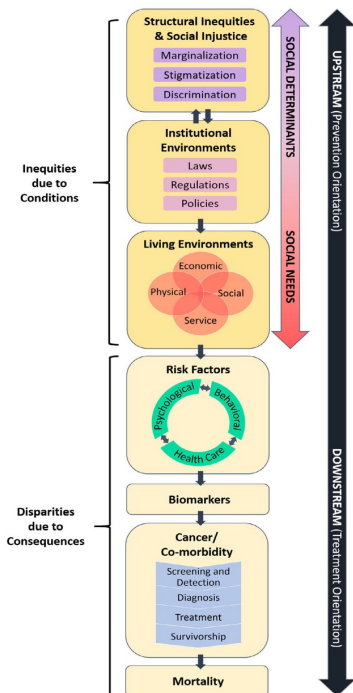
Alcarez, et al. Understanding and addressing social determinants to advance cancer health equity in the United States: A blueprint for practice, research, and policy. *CA Cancer J Clin.* 2020;70:31-46
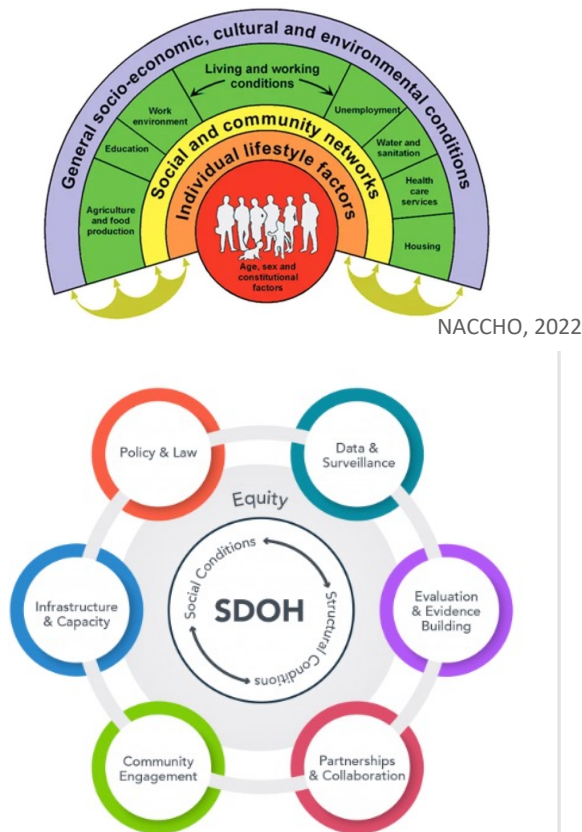
NACCHO, 2022

Social Determinants, Social Risk, and Health Related Social Needs

1. Contextual & Multilevel impacts on implementation outcomes and equity
2. Implementation of SDOH, Social Risk and Health Related Social Needs interventions

Korn et al. Systematic Reviews (2022) 11:117
https://doi.org/10.1186/s13643-022-01995-4

Systematic Reviews

PROTOCOL   **Open Access**

Social determinants of health and cancer screening implementation and outcomes in the USA: a systematic review protocol

Ariella R. Korn[1]*, Callie Walsh-Bailey[2], Meagan Pilar[3], Brittney Sandler[3], Prema Bhattacharjee[4], W. Todd Moore[4,5], Ross C. Brownson[2,6], Karen M. Emmons[7] and April Y. Oh[4]

JNCI J Natl Cancer Inst (2022) 114(12): djac171

OXFORD

https://doi.org/10.1093/jnci/djac171
First published online September 8, 2022
Article

National Cancer Institute–Funded Social Risk Research in Cancer Care Delivery: Opportunities for Future Research

Janeth I. Sanchez, PhD, MPH[1,]* Brenda A. Adjei, EdD, MPA[1] Gurvaneet Randhawa, MD, MPH,[1] Josh Medel, MS,[1] Michelle Doose, PhD, MPH[2] April Oh, PhD, MPH[3] Paul B. Jacobsen, PhD[1]

Social determinants of health and U.S. cancer screening interventions: a systematic review
(Korn, et al, CA Journal, In Press)
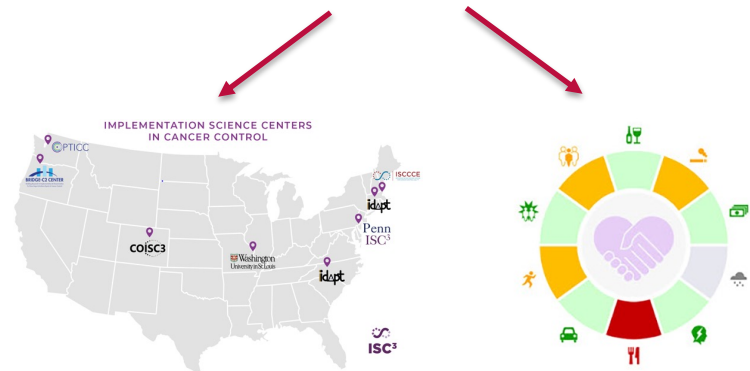
1. Outer Context SDOH Assessment

2. Cross Site Pilot Implementation studies 13

December 12, 2022

CMS — CENTERS FOR MEDICARE & MEDICAID SERVICES

Addressing Health-Related Social Needs in Medicaid

BIDEN-HARRIS ADMINISTRATION NATIONAL STRATEGY ON HUNGER, NUTRITION, AND HEALTH

SEPTEMBER 2022

THE WHITE HOUSE WASHINGTON

CMS — CENTERS FOR MEDICARE & MEDICAID SERVICES

CMMI Cross Model Learning Network
Care Redesign: Social Determinants of Health (SDOH) Affinity Group

Redesigning Care Around the Social Determinants of Health:

A resource guide and introduction to the CMLN Social Determinants of Health Affinity Group

LEARNING HEALTH POLICY SYSTEM

EVIDENCE-BASED POLICY
FEDERAL
STATE
LOCAL
ORGANIZATION

STAKEHOLDERS

MEASURES

EVIDENCE BASED POLICY IMPLEMENTATION

IMPLEMENTATION STRATEGIES

HEALTH OUTCOMES
COMMUNITY/PUBLIC HEALTH
HEALTH CARE ORGANIZATION
FAMILY/PROVIDER
INDIVIDUAL

IMPLEMENTATION OUTCOMES

FIGURE 1 | Learning health policy system.

https://www.medicaid.gov/health-related-social-needs/index.html

3. Organizational "Equity Mindset"… or Foundation for Cancer Control Equity in three parts

"Mindset": refer to the awareness, set of beliefs, and expectations individuals and communities hold around equity; their understanding of what it is and the importance of it; and their own and their institution's responsibility in promoting it, to include aspects of accountability

How can you apply an equity lens in the actual groundwork of cancer prevention and control?

- A systemic approach is needed to shift the current mindset: increased ownership, prioritization, and accountability

- Build capacity in practitioners' and leadership knowledge, resources, and skills for advancing and achieving equity in practice

- Broadening the scope of equity beyond race/ethnicity

Organizational policies and strategies for fostering equity in implementation.

- Organizations need to implement equitable practices internally.

- Promote incentives and/or processes for holding organizations accountable.

- Broaden equitable access to health related data, resources, and tools.

The Health Equity Research and DEIA in Research Organizations are Hand in Hand

Partnering with Communities

- Context of Community partnerships

    - COVID-19 pandemic highlighted value

    - Fostering trust and transparency

    - Build, do not manufacture

    - Systems accountability for fostering community partnerships

- Partnership Process

    - Partnerships need be beneficial to community organizations and community members in tangible ways.

    - Structures for community partnerships and what works can vary.

    - More efforts need to be made to engage community members and to reimburse them.

Areas for growth -→ advance power sharing, extends reach beyond cancer care, need for best practices

ComPASS
Community Partnerships to
Advance Science for Society

Continuum of Community Engagement

Figure 3. The Continuum of Community Engagement in Research: Perspective and Experience

Key, et al, Progress in Community Health Partnerships: Research, Education, and Action, Volume 13, Issue 4, Winter 2019, pp. 427-434 (Article)

4. Open Access Actionable Research tools and data

5/17/23   Adsul P, Chambers DA, Brandt HM, et al. Grounding Implementation Science in Health Equity for Cancer Prevention and Control. Implement Sci Commun. 2022; 3(1):56. Published 2022 Jun 3. doi:10.1186/s43058-022-00311-4
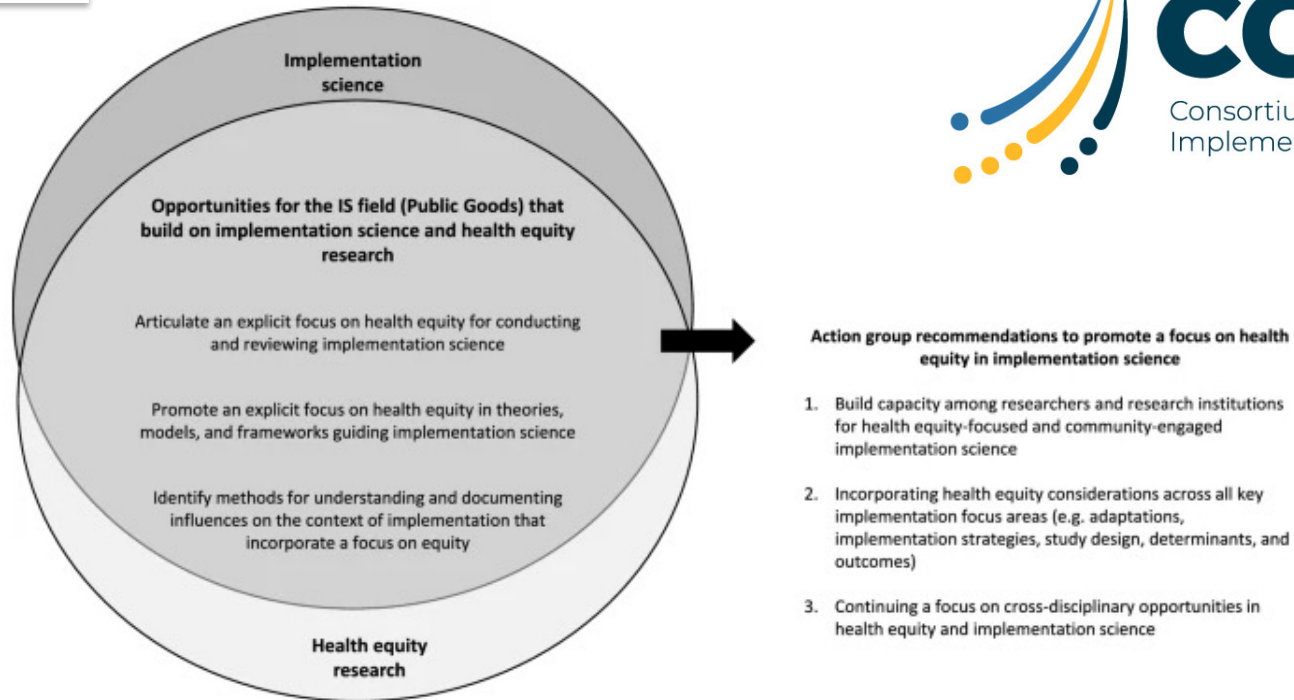
Data Sharing as a tool for equity, inclusion, and engagement

- Harmonization without Marginalization
- Designing for Data Sharing
- Value Proposition and Incentives
- Ownership and Context

https://events.cancer.gov/dccps/ISdatasharing

5/17/23

Open Access Tools

Capacity Building Database

The Implementation Science Centers in Cancer Control (ISC³) Capacity Building Database includes a variety of resources for researchers, practitioners, trainees, and anyone else interested in learning or using implementation science.

Use the ISC³ Database below to find resources for:

- Learning the basics of implementation science
- Advancing your implementation science skillset
- Using implementation science in your studies or office

If you have a resource you think should be included in the ISC³ Database, please send details including the resource name and description to isc3@icf.com.

⋙ EBCCP
Evidence-Based Cancer Control Programs

DISSEMINATION & IMPLEMENTATION MODELS IN HEALTH
AN INTERACTIVE WEBTOOL TO HELP YOU USE D&I MODELS

About Us | Contact Us

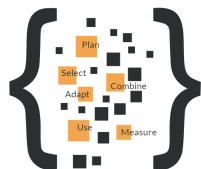Access the D&I Models Webtool | Guidance | Submit Models

Health Equity Extension

Helping Navigate Dissemination and Implementation Models

The D&I Models Webtool is an interactive, online resource designed to help researchers and practitioners navigate D&I Models through planning, selecting, combining, adapting, using, and linking to measures.

Access The D&I Models Webtool Here!

Plan
Select
Combine
Adapt
Use
Measure

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ISC3 Health Equity Tool Kit
Brief Orientation to Health Equity and Implementation Science
Key Health Equity Language and Concepts
Annotated List of Key Literature on Health-Equity Focused Implementation Science
Overview and Key Considerations in Community and Partner Engagement in the Research Process for Integrating Health Equity in Implementation Science
Researcher Reflection on Research Partners, Perspectives of Community, Processes, Decision Making, and Biases in the Work
Framing Health Equity in Implementation Research: Determinants, Process, and Outcomes
Addressing, Measuring, and Evaluating Health Equity in Implementation Research
Key Considerations Data Collection and Analysis for Health Equity Implementation Science
Approaches to Implementation Trials Addressing Health Equity

Aschbrenner, K.A., Zaidi, M., Chen, M., Hudson, M., Tabak, R.G., Mazzucca-Ragan, S.., Walsh-Bailey, C., Likumahuwa-Ackman, S., & Shelton, R.C. Implementation Science Centers in Cancer Control (ISC³); 2023 May. An Implementation Scientist's Toolkit for Getting Started with Health Equity-Focused Implementation Research.

5. Communication Science and Impact Assessment

- Patient & Provider level: Knowledge and Innovation = Empowerment, Ownership, and Health Literacy for all

- *Organizational Level: Perceived value of equity agendas*

- Community level: Communication Science driven strategies for implementation (culture, engagement, literacy, acceptability)

- Communication and Information Inequalities

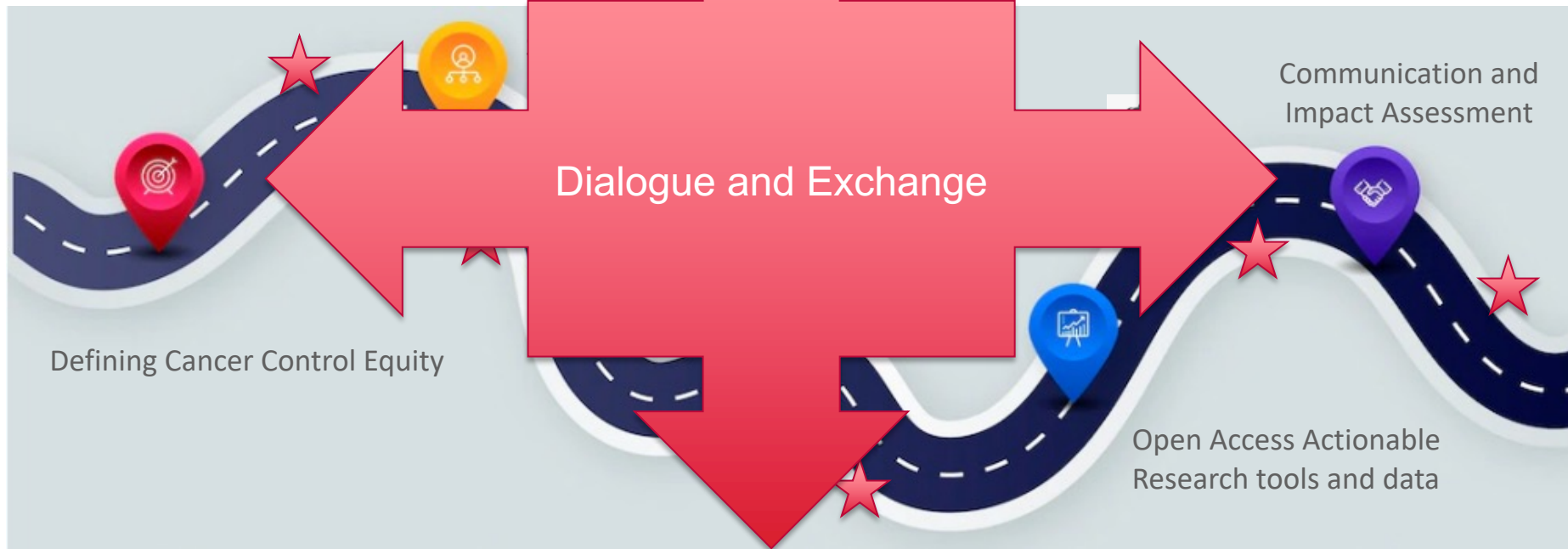**TRANSLATIONAL SCIENCE BENEFITS**

Clinical   Community   Economic   Policy

N? Considerations for Advancing Equity through Implementation Science

Communication and Impact Assessment

Dialogue and Exchange

Defining Cancer Control Equity

Open Access Actionable Research tools and data

Notice of Intent to Publish a Funding Opportunity Announcement for Advancing Cancer Control Equity Research through Transformative Solutions Coordination Center (U24 Clinical Trial Optional)

Notice Number:

NOT-CA-23-068

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June 14-15	November 28-30
15th Joint BSA/NCAB Meeting	*16th Joint BSA/NCAB Meeting*

Center)
Purpose: Advance cancer control equity research by using

Notice of Intent to Publish a Funding Opportunity Announcement for Advancing Cancer Control Equity Research Through Transformative Solutions (U19 Clinical Trial Optional)

Notice Number:

NOT-CA-23-066

partners to implement interventions that incorporate the lived experiences of those who face cancer inequities

Questions?

Contact us! To contact the IS team, email us: NCIdccpsISteam@mail.nih.gov or visit our staff directory: https://cancercontrol.cancer.gov/is/about/staff.

- Acknowledgements: David Chambers, Cynthia Vinson, Amy Caplon, Brenda Adjei, Prajakta Adsul, Rachel Shelton, Rachel Tabak, Kelly Aschbrenner, ISC3 Health Equity Task Force, NCI Delphi KII and Focus Group participants

Ms. Clarita Reed
1922-2017

Dr. Richard Warnecke
1937-2022