Evaluating Success in Community-University Partnerships

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Why measure success in long-standing CBPR Partnerships?

MAPS – Specific Aim No. 1

Clearly define CBPR partnership success and develop a tool (MAPS) to determine success in long-standing CBPR partnerships and intermediate and long-term contributing factors.

1

MAPS – Specific Aim No. 2

Test the psychometric qualities of the MAPS tool in a sample of long-standing CBPR partnerships existing 6 years, and longer.

2

MAPS – Specific Aim No. 3

Develop mechanisms to feed back and apply partnership evaluation findings, and widely disseminate the MAPS tool and feedback mechanism in a readily accessible and usable format.

3

MAPS is a project of the Detroit Community-Academic Urban Research Center (Detroit URC), and builds upon its work using a CBPR approach throughout all stages of the project.

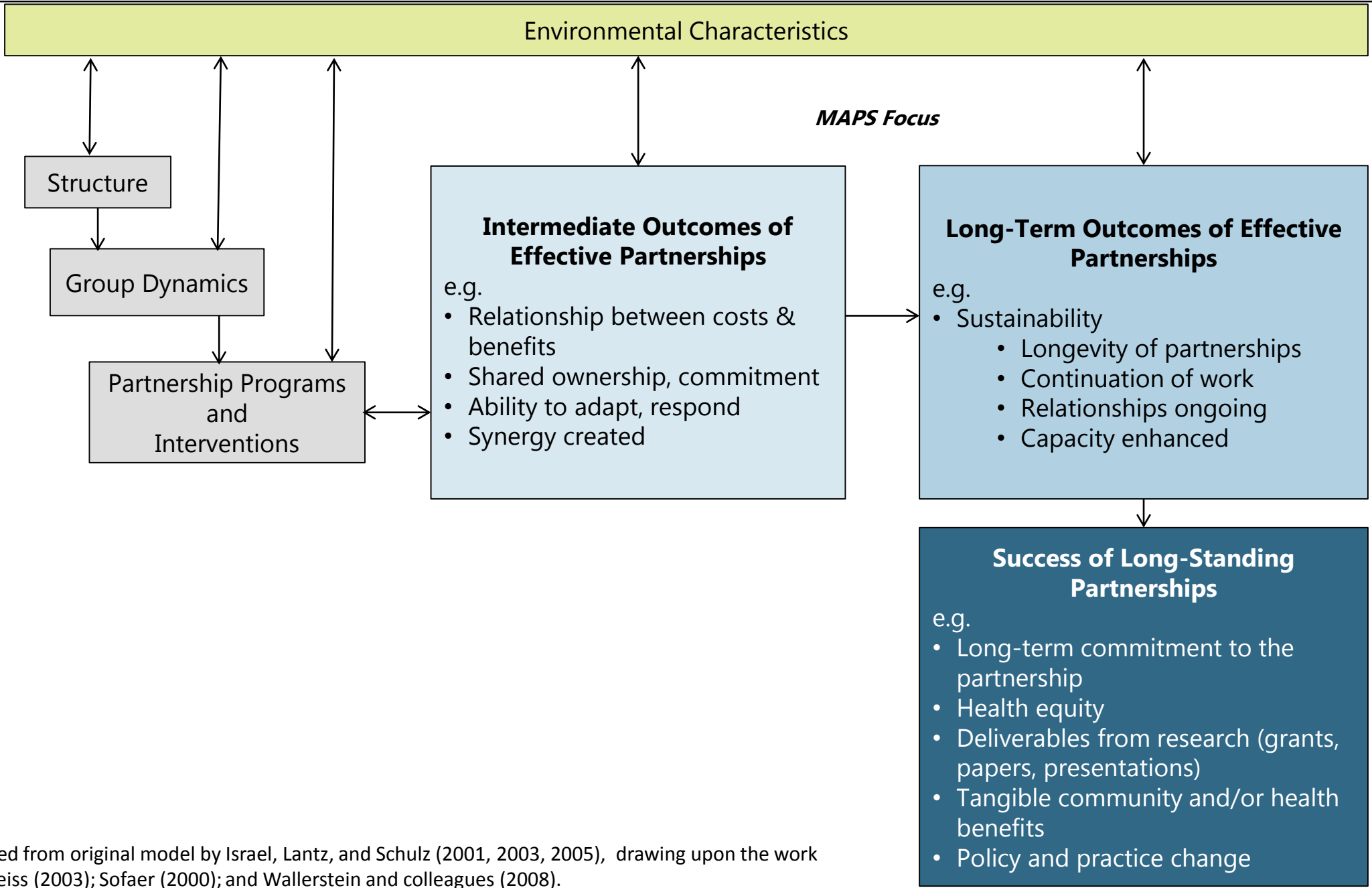Israel, Schulz, et al., Conceptual Framework for understanding & assessing success in long-standing CBPR partnerships[1-3]

Research for Improved Health (RIH) Systematic Literature Review[4] 2002-2008

MAPS Scoping Review 2007-2017

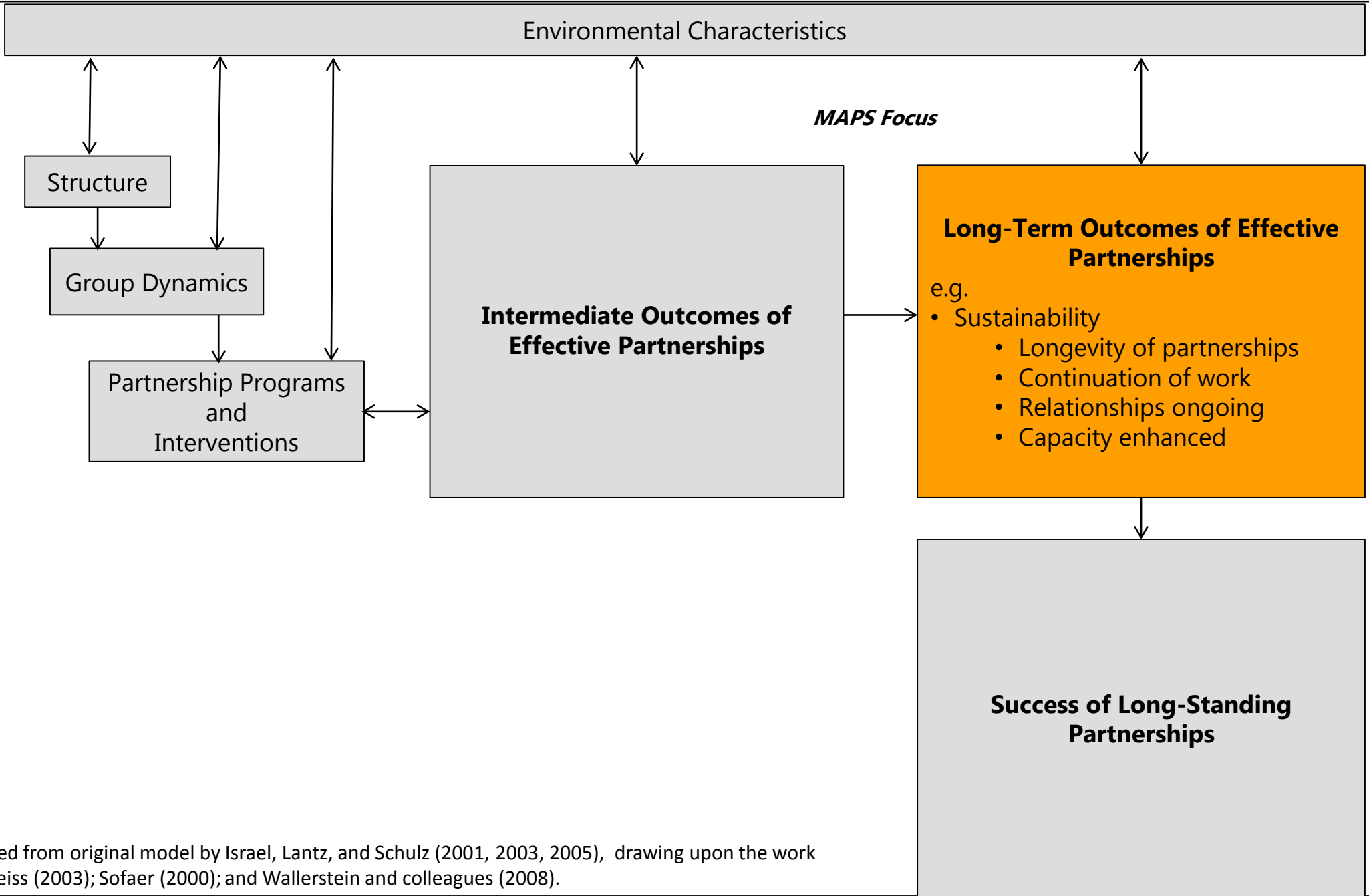MAPS Key Informant Interviews 2017

'MAPS' Measurement Item Pool

1) Schulz, A.J., Israel, B.A., & Lantz, P. (2003). Instrument for evaluating dimensions of group dynamics within community-based participatory research partnerships. *Evaluation and Program Planning,* 26(3), 249-262.
2) Israel, B.A., Parker, E.A., Rowe, Z., Salvatore, A., Minkler, M., Lopez, J. et al (2005). Community-based participatory research: Lessons learned from the Centers for Children's Environmental Health and Disease Prevention Research. *Environ Health Perspect.* 113(10), 1463-1471.
3) Israel, B. A., Lantz, P. M., McGranaghan, R., Guzman, J. R., Lichtenstein, R., & Rowe, Z. (2013). *Documentation and evaluation of CBPR partnerships: The use of in-depth interviews and closed-ended questionnaires.* In B. A. Israel, E. Eng, A. J. Schulz & E. A. Parker (Eds.), Methods for Community-Based Participatory Research for Health (pp. 369-403). San Francisco: Jossey-Bass.
4) Sandoval, J.A., Lucero, J., Oetzel, J., Avila, M., Belone, L., Mau, M., et al. (2012) Process and outcome constructs for evaluating community-based participatory research projects: a matrix of existing measures. *Health Education Research.* 27(4), 680-690.

Environmental Characteristics

MAPS Focus

Structure

Group Dynamics

Partnership Programs and Interventions

Intermediate Outcomes of Effective Partnerships

e.g.
- Relationship between costs & benefits
- Shared ownership, commitment
- Ability to adapt, respond
- Synergy created

Long-Term Outcomes of Effective Partnerships

e.g.
- Sustainability
  - Longevity of partnerships
  - Continuation of work
  - Relationships ongoing
  - Capacity enhanced

Success of Long-Standing Partnerships

e.g.
- Long-term commitment to the partnership
- Health equity
- Deliverables from research (grants, papers, presentations)
- Tangible community and/or health benefits
- Policy and practice change

Source: Adapted from original model by Israel, Lantz, and Schulz (2001, 2003, 2005), drawing upon the work of Lasker & Weiss (2003); Sofaer (2000); and Wallerstein and colleagues (2008).

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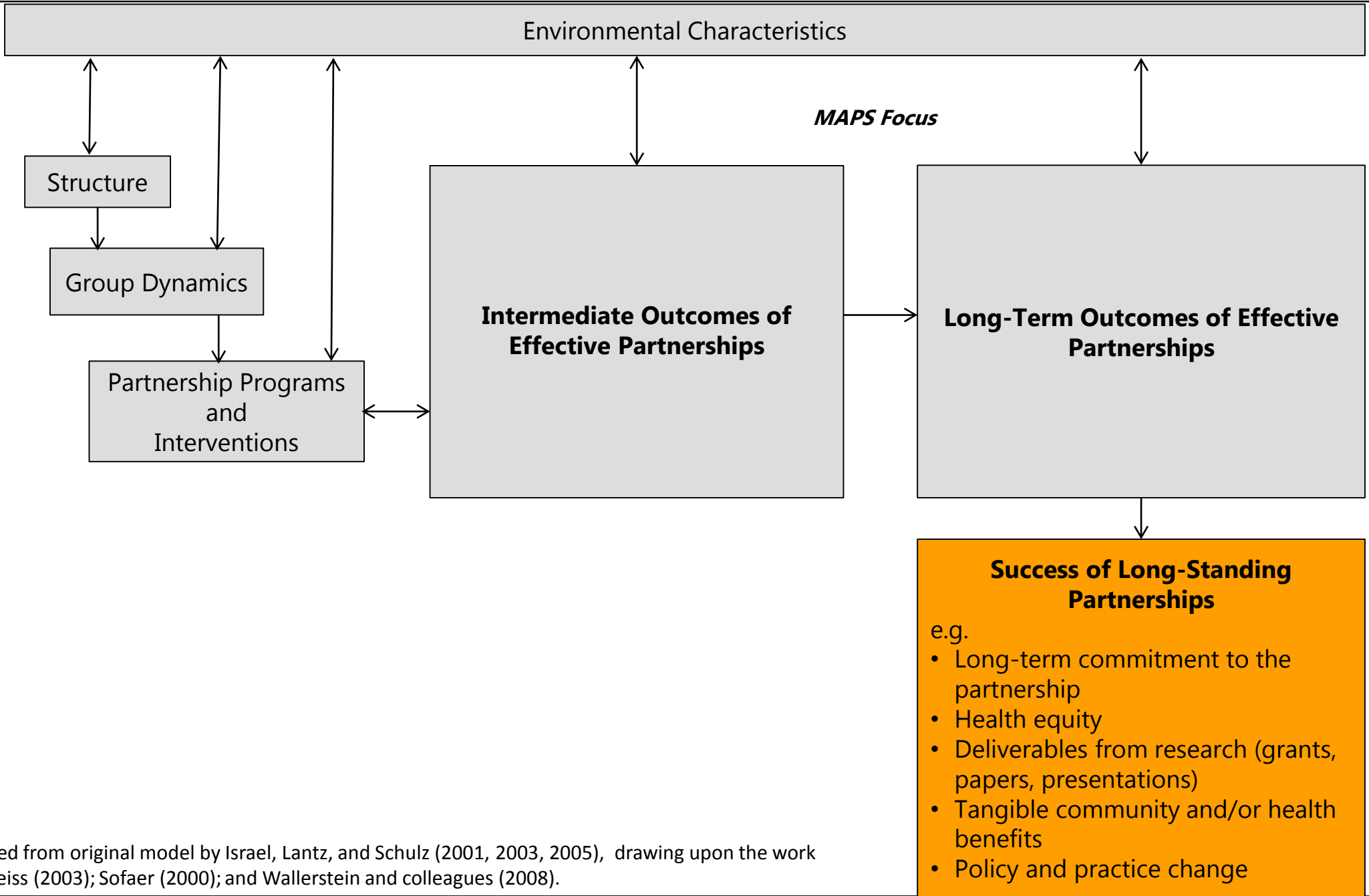
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METHODS

Scoping Literature Review

Methods for Scoping Literature Review

- Aim of the MAPS Scoping Review: identify multi-dimensionality of "success in CBPR partnerships."
- Working with a health sciences informationist, searched three databases (PubMed, Scopus, CINAHL)
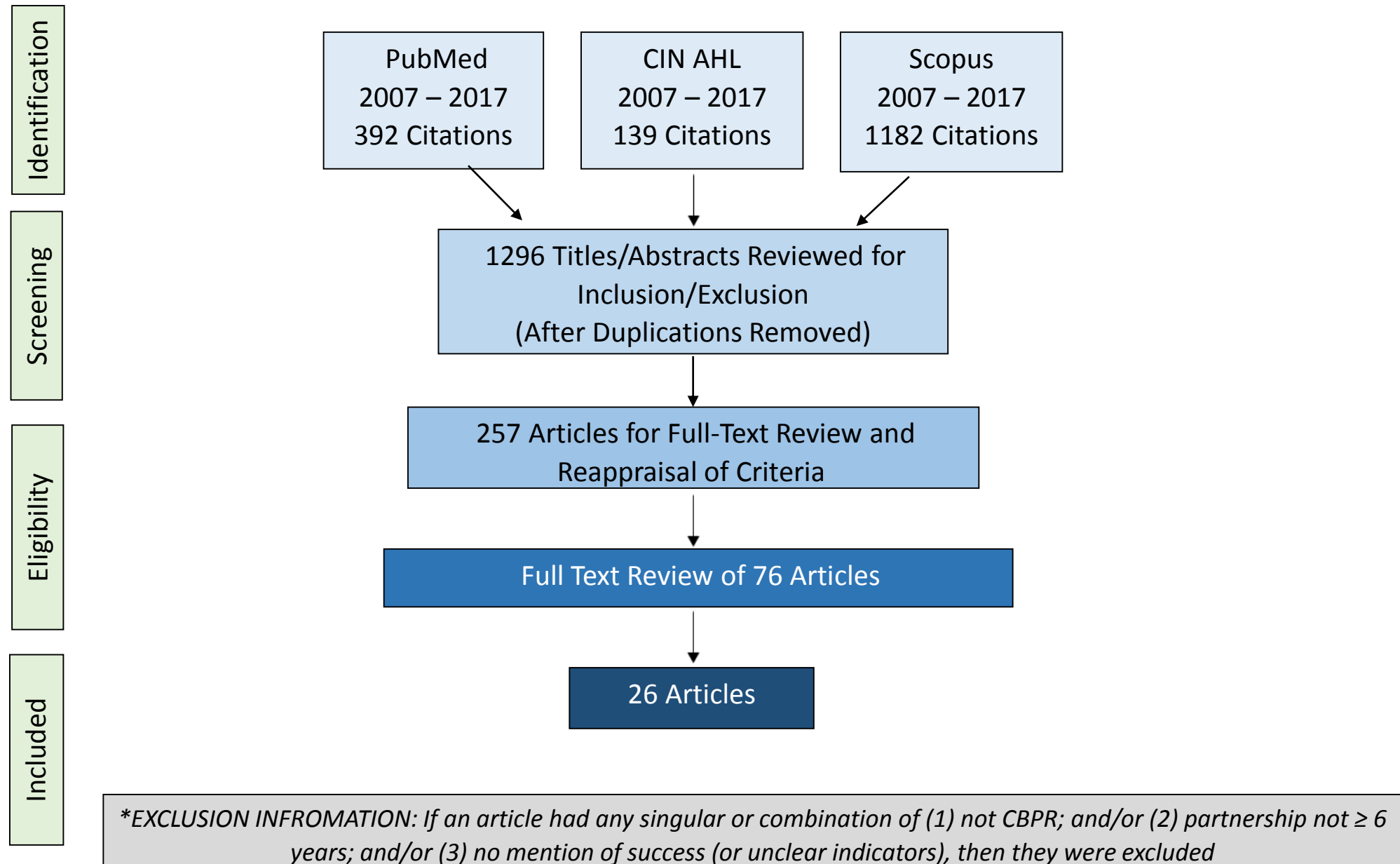
Inclusion Factors for Review

- Written in English
- Published between 2007-2017
- Described long-standing partnerships (> 6 years)
- Foused on evaluation of the partnership
- Addressed concepts or measures of partnership success

Exclusion Factors for Review

- Did not explicitly use a CBPR approach
- Reported intervention outcomes
- Focused on CBPR partnership development
- Were letters, opinion pieces, grey literature, or others

Scoping Literature Review - PRISMA Diagram

Identification

| PubMed 2007 – 2017 392 Citations | CIN AHL 2007 – 2017 139 Citations | Scopus 2007 – 2017 1182 Citations |

Screening

1296 Titles/Abstracts Reviewed for Inclusion/Exclusion (After Duplications Removed)

Eligibility

257 Articles for Full-Text Review and Reappraisal of Criteria

Full Text Review of 76 Articles

Included

26 Articles

EXCLUSION INFROMATION: If an article had any singular or combination of (1) not CBPR; and/or (2) partnership not ≥ 6 years; and/or (3) no mention of success (or unclear indicators), then they were excluded

METHODS

Key Informant Interviews

Methods for Key Informant Interviews

- Semi-structured interview protocols were developed

- Questions were open-ended and organized by area of focus:
  - Defining Success
  - Success above and beyond outcomes
  - Costs & benefits of participation
  - Sustainability
  - Synergy
  - Equity in partnership

Methods for Key Informant Interviews

- Conducted Key Informant Interviews

- Pilot Testing (n=5)
  - 3 Community & 2 Academic Participants

- Expert Panel Member (n=16)
  - 8 Community & 8 Academic Expert Panelists

MAPS Community Expert Panelists:
Key Informants

Alex Allen
Executive Director
Chandler Park Conservancy
Detroit, Michigan

Linda Burhansstipanov
Founder/President & Grants Director
Native American Cancer Research Corporation
Denver, Colorado

Ella Greene-Moton
Administrator
CBOP Community Ethics Review Board
Flint, Michigan
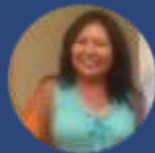
Marita Jones
Executive Director
Healthy Native Communities Partnership, Inc.
Shiprock, New Mexico

Angela Reyes
Executive Director
Detroit Hispanic Development Corporation
Detroit, Michigan

Al Richmond
Executive Director
Community-Campus Partnerships for Health
Raleigh, North Carolina

Zachary Rowe
Executive Director
Friends of Parkside
Detroit, Michigan

Peggy Shepard
Executive Director
WEACT for Environmental Justice
New York, New York

MAPS Academic Expert Panelists:
Key Informants

Elizabeth (Beth) Baker
Professor, College for Public Health & Social Justice
St. Louis University
St. Louis, Missouri

Cleopatra (Cleo) Caldwell
Professor, School of Public Health
University of Michigan
Ann Arbor, Michigan

Bonnie Duran
Associate Professor, School of Social Work
University of Washington
Seattle, Washington

Eugenia (Geni) Eng
Professor, School of Public Health
University of North Carolina at Chapel Hill
Chapel Hill, North Carolina

Meredith (Merry) Minkler
Professor Emerita, School of Public Health
University of California, Berkeley
Berkeley, California

Amy Schulz
Professor, School of Public Health
University of Michigan
Ann Arbor, Michigan

Melissa Valerio
Associate Professor, UT Health Science Center
UT Health School of Public Health San Antonio
Regional Campus
San Antonio, Texas

Nina Wallerstein
Professor of Public Health
University of New Mexico School of Medicine
Albuquerque, New Mexico

Data Management & Analysis for Key Informant Interviews

- Used a process of in vivo line-by-line restatements and open coding based on a grounded theory approach

- Multiple coders worked to reach consensus on the codes

- Codebook developed through this process

- Used NVivo data management software

FINDINGS-TO-DATE

Success in long-standing CBPR partnerships:
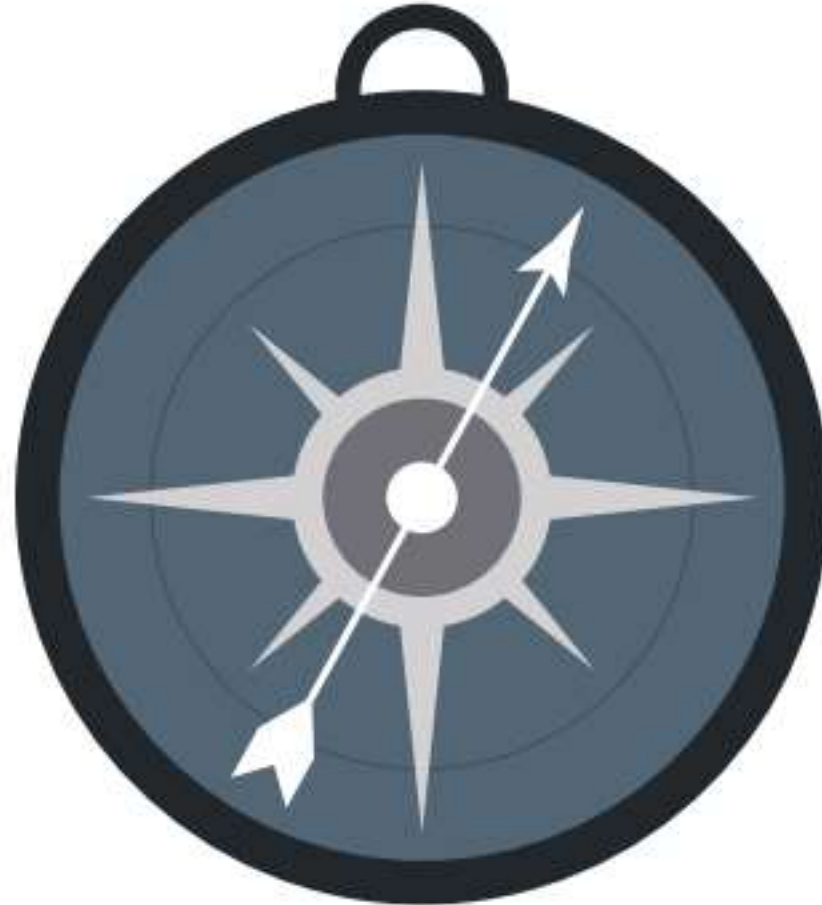
# Seven Combined Dimensions of Success

- Equitable Relationships
- Partnership Synergy
- Reciprocity
- Competence Enhancement
- Sustainability
- Realization of Benefits over Time
- Achievement of Intermediate and Long-Term Partnership Goals / Outcomes

EQUITABLE RELATIONSHIPS:

An environment has been created that enhances open, equitable, collaborative, and authentic relationships, and increases a sense of pride, loyalty, ownership, and sharing of power within the partnership.

Sample Items from Delphi Questionnaire:

- The partnership incorporates each partner's knowledge and expertise.

- Partnership decisions are made through overall agreement (e.g., consensus, unanimity).

- Partners get to know and care about each other.
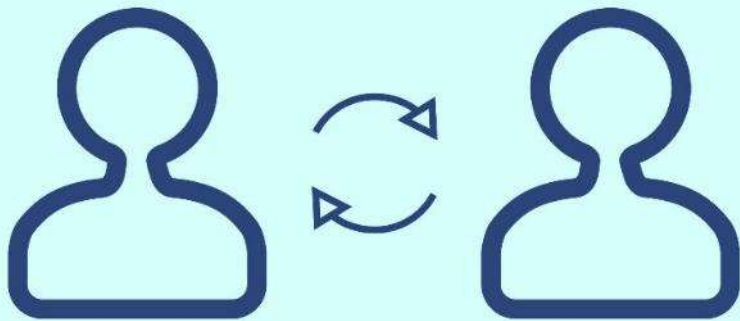
RECIPROCITY:

The mutual and equitable exchange of knowledge, resources, and opportunities between partners over time.

Sample Items from Delphi Questionnaire:

- The distribution of resources is fair.

- Partners recognize each other's expertise.

- Partners feel free to build off of the ideas, skills, and abilities of one another.

Competence Enhancement:

The partnership enhances partners' competence (e.g. skills, knowledge, expertise) to leverage resources, share power, and combine diverse perspectives in order to conduct CBPR and make changes in the community.

Sample Items from Delphi Questionnaire:

- Partners enhance their ability to leverage the influence of the partnership for their own work.

- The partnership provides the opportunity for all partners to enhance their knowledge and skills.

- Partners gain knowledge and skills that are transferable outside the partnership.

Why is this important?

Next Steps

- Currently conducting Delphi Process with Expert Panel to determine important concepts to measure with MAPS tool

- Develop draft MAPS tool and pilot test

- Administer MAPS survey to all partners in 55 long-standing CBPR partnerships

- Conduct validity testing using both classical and modern psychometric methods

- Disseminate findings to participating partnerships & more broadly

Measurement Approaches to Partnership Success (MAPS)
Research Team
October 2017

To learn more about the Measurement Approaches to Partnership Success (MAPS) project, please contact MAPS Project Manager Megan Jensen.

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