MAPS

Measurement Approaches to Partnership Success

25 years DETROIT URC
COMMUNITY-ACADEMIC URBAN RESEARCH CENTER

Preliminary results from a survey of long-standing community-based participatory research (CBPR) partnerships

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PRESENTER DISCLOSURE

Barbara A. Israel & Zachary Rowe (Co-Presenters)

The following personal financial relationships with commercial interests relevant to this presentation existed in the past twelve (12) months.

NO RELATIONSHIPS TO DISCLOSE

The Measurement Approaches to Partnership Success (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.

Measurement Approaches to Partnership Success (MAPS) Study: *Specific Aims*

Specific Aim 1

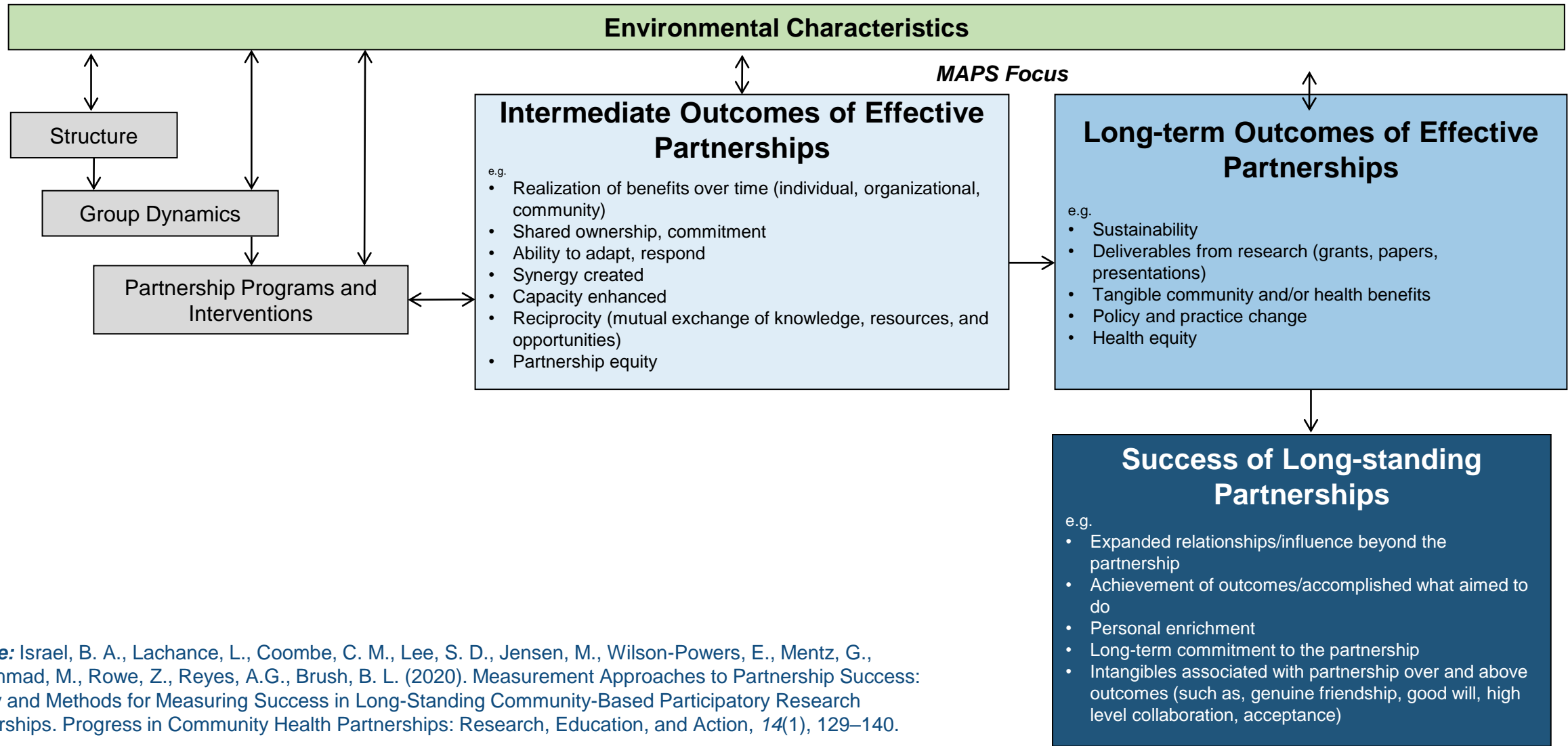Clearly define CBPR partnership success and develop a tool (MAPS) to assess partnership success.

Specific Aim 2

Test the psychometric qualities of the MAPS tool.

Specific Aim 3

Develop mechanisms to feedback and apply partnership evaluation findings and widely disseminate.

Conceptual Framework for Understanding and Assessing Success in Long-standing Community-Based Participatory Research Partnerships

Environmental Characteristics

MAPS Focus

Structure

Group Dynamics

Partnership Programs and Interventions

Intermediate Outcomes of Effective Partnerships

e.g.
- Realization of benefits over time (individual, organizational, community)
- Shared ownership, commitment
- Ability to adapt, respond
- Synergy created
- Capacity enhanced
- Reciprocity (mutual exchange of knowledge, resources, and opportunities)
- Partnership equity

Long-term Outcomes of Effective Partnerships

e.g.
- Sustainability
- Deliverables from research (grants, papers, presentations)
- Tangible community and/or health benefits
- Policy and practice change
- Health equity

Success of Long-standing Partnerships

e.g.
- Expanded relationships/influence beyond the partnership
- Achievement of outcomes/accomplished what aimed to do
- Personal enrichment
- Long-term commitment to the partnership
- Intangibles associated with partnership over and above outcomes (such as, genuine friendship, good will, high level collaboration, acceptance)

Source: Israel, B. A., Lachance, L., Coombe, C. M., Lee, S. D., Jensen, M., Wilson-Powers, E., Mentz, G., Muhammad, M., Rowe, Z., Reyes, A.G., Brush, B. L. (2020). Measurement Approaches to Partnership Success: Theory and Methods for Measuring Success in Long-Standing Community-Based Participatory Research Partnerships. Progress in Community Health Partnerships: Research, Education, and Action, *14*(1), 129–140.
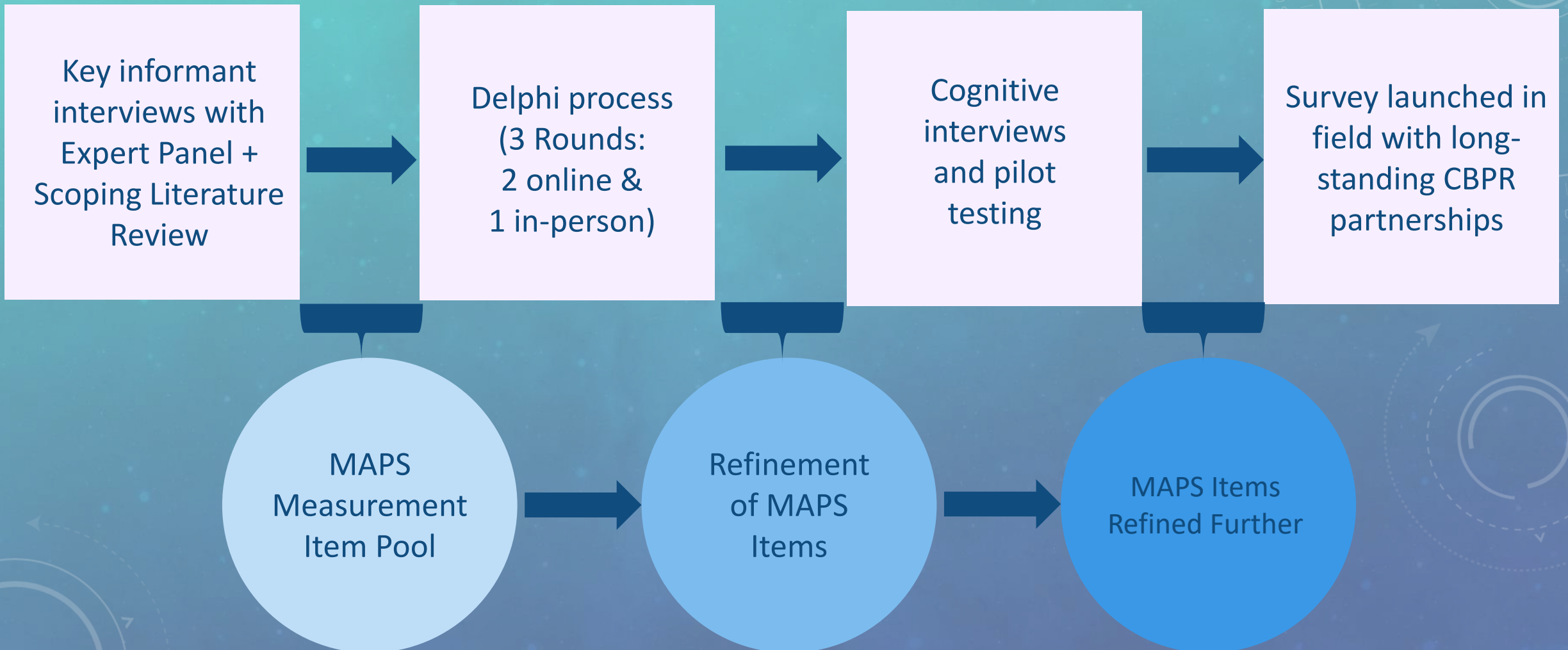
TABLE 1: THE MAPS QUESTIONNAIRE DOMAINS AND ITEMS

| MAPS Questionnaire Domains (n=7)	No. of Items (n=81)
Equity in the partnership	23 items
Reciprocity	6 items
Competence enhancement	11 items
Partnership synergy	7 items
Sustainability	16 items
Realization of benefits over time	8 items
Achievement of intermediate and long-term partnership goals/outcomes (e.g., equity)	10 items

MAPS PARTICIPANT RECRUITMENT

Partnership Eligibility Criteria Include:

1. Have been in existence for at least six years and continue to operate

2. Show evidence of following CBPR principles and norms

3. Conduct ongoing partnership evaluation

4. Show evidence of dissemination

5. Consent to participate

GEOGRAPHIC DISTRIBUTION OF COMPLETED PARTNERSHIPS
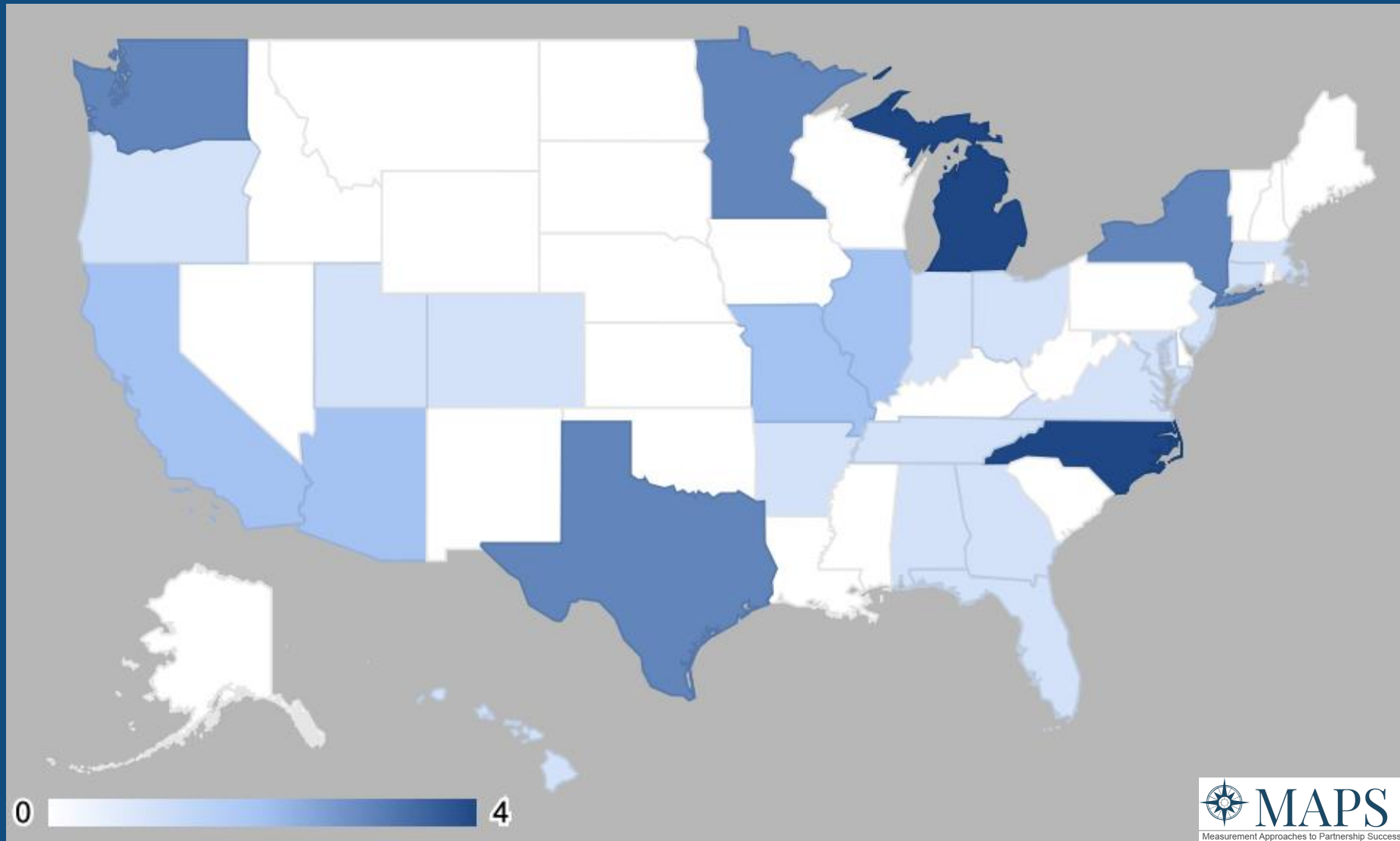
Of the _44 partnerships_ that have completed the MAPS study

TABLE 2: CHARACTERISTICS OF PARTNERSHIPS (n=44)

Size of Partnership n (%)		Years of Existence n (%)		Community Type n (%)	
Small: 3-8 partners	15 (34%)	6-9 Years	20 (46%)	Urban	19 (43%)
Medium: 9-15 partners	17 (39%)	10-14 Years	15 (34%)	Rural	7 (16%)
Large: 16+ partners	12 (27%)	15+ Years	9 (20%)	Suburban	1 (2%)
				Tribal	1 (2%)
				More than one	16 (37%)

TABLE 3: CRONBACH'S ALPHA & INTERNAL CONSISTENCY

MAPS Questionnaire Domain	Cronbach's Alpha	95% CI
Equity in the partnership	0.947	(0.940,0.953)
Reciprocity	0.856	(0.836,0.875)
Competence enhancement	0.916	(0.904,0.927)
Partnership synergy	0.891	(0.876,0.905)
Sustainability	0.905	(0.892,0.917)
Realization of benefits over time	0.846	(0.824,0.866)
Achievement of intermediate and long-term goals/outcomes	0.913	(0.901,0.924)

TABLE 4: CONVERGENT AND DIVERGENT VALIDITY:
Using MAPS "Reciprocity" Domain Compared with all other Domains

Items from MAPS RECIPROCITY Domain	Equity	RECIPROCITY	Competence	Synergy	Sustainability	Realization of benefits over time	Achievement of intermediate or long-term goals/ outcomes
				Cronbach's Alpha			
53. Partners incorporate the ideas, skills, and abilities of one another.	0.665	0.829	0.648	0.676	0.557	0.561	0.583
52. Partners are a resource for each other.	0.599	0.813	0.602	0.623	0.541	0.549	0.526
56. Over time, all partners exchange their expertise within the partnership.	0.643	0.805	0.634	0.635	0.563	0.530	0.606
54. Partners recognize each other's expertise.	0.603	0.795	0.558	0.632	0.465	0.465	0.493
57. Partners support each other outside of partnership activities (for example, attend events, celebrate partner's achievements, provide letters of support).	0.574	0.753	0.558	0.597	0.481	0.493	0.516
55. The exchange of expertise among partners may vary at different points in time in the partnership.	0.488	0.645	0.483	0.457	0.447	0.475	0.440

TABLE 5: TEST-RETEST RELIABILITY

MAPS Questionnaire Domain	Percentage of Agreement
Equity in the partnership	93.21
Reciprocity	97.40
Competence Enhancement	90.91
Partnership Synergy	96.88
Sustainability	88.67
Realization of Benefits over time	88.67
Achievement of intermediate and long-term outcomes	86.88
Overall	91.28

SUMMARY OF PRELIMINARY ANALYSIS – THE MAPS QUESTIONNAIRE DEMONSTRATES:

- INTERNAL CONSISTENCY

  - Cronbach's Alpha show that all measured domains having high levels of internal consistency and reliability.

- CONVERGENCE/DIVERGENCE VALIDITY

  - Correlations demonstrate items converge to the appropriate domain and diverge from other domains.

- RELIABILITY OVER TIME

  - Test-Retest analysis demonstrates that when applied over time, item responses show consistent measurement of the domain.

THANK YOU!
The Measurement Approaches to Partnership Success (MAPS) Team

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