Developing Consensus-Based Models of Readiness and Capacity for Implementing Farmers' Market Interventions

INNOVATIONS IN COLLABORATIVE MODELING



East Lansing, MI June 14, 2016



Acronyms

- BCOP: Building Capacity for Obesity Prevention
- SNAP-Ed: Supplemental Nutrition Assistance Education Program
- CHC: Creating Healthy Communities Program
- PSE: Policy, System, Environmental Interventions
- EBT: Electronic Benefit Transfer Systems



Building Capacity for Obesity Prevention (BCOP) is...

A collaborative study between researchers and practitioners







Contributors

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Building Capacity for Obesity Prevention (BCOP) is...

- A collaborative study between researchers and practitioners
- To identify key aspects of community readiness and practitioner capacity for obesity prevention
- To develop web-based diagnostic tools to be used by public health and community nutrition practitioners in their planning of PSE interventions
 - Healthy Hunger Free Kids Act
 - U.S. Department of Agriculture
 - Centers for Disease Control and Prevention



- Getting EBT machines to markets
- Advertising about SNAP/EBT accessibility at markets
- Incentive programs that double the amount of benefit dollars shoppers can use at markets



Childcare/Preschool .⊑ Eating Healthy

- Creating a supportive space for nursing/breastfeedi ng
- Being supportive of breast milk storage and feeding
- Limiting sugarsweetened beverages and fried foods
- Starting a garden
- Including parents in childcare menu planning



Healthy Food Retail

- Increasing healthier food options at corner or small stores
- Advertising prompts to promote healthy food choices
- Increasing healthier foods in vending machines
- Promoting healthy check-out aisles (i.e., no candy in aisle)



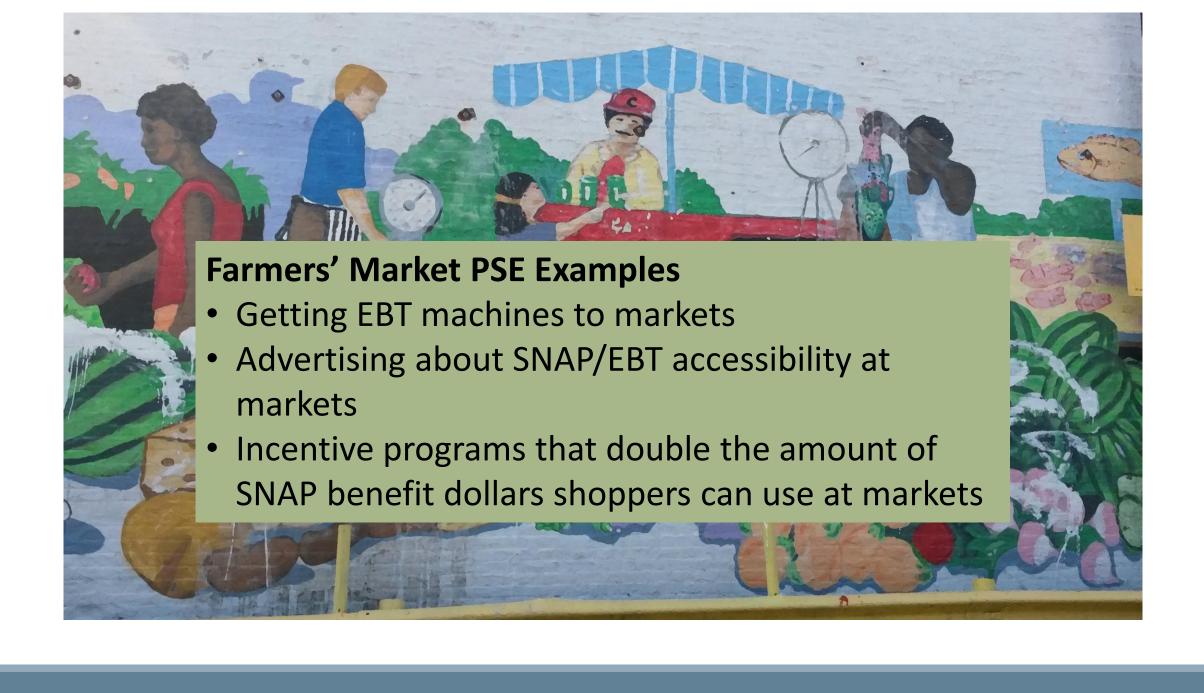
School

to

Farm

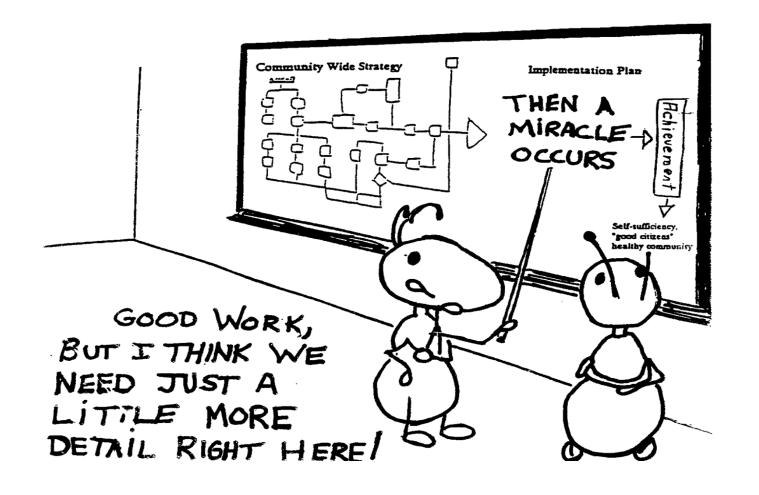
School gardensSalad bar activities

 Locally grown food purchased for cafeteria



Building Capacity for Obesity Prevention (BCOP) is...

- A collaborative study between researchers and practitioners
- To identify key aspects of community readiness and practitioner capacity for obesity prevention
- To develop diagnostic tools to be used by public health and community nutrition practitioners in their planning of PSE interventions
- A multiphase consensus-based modeling approach

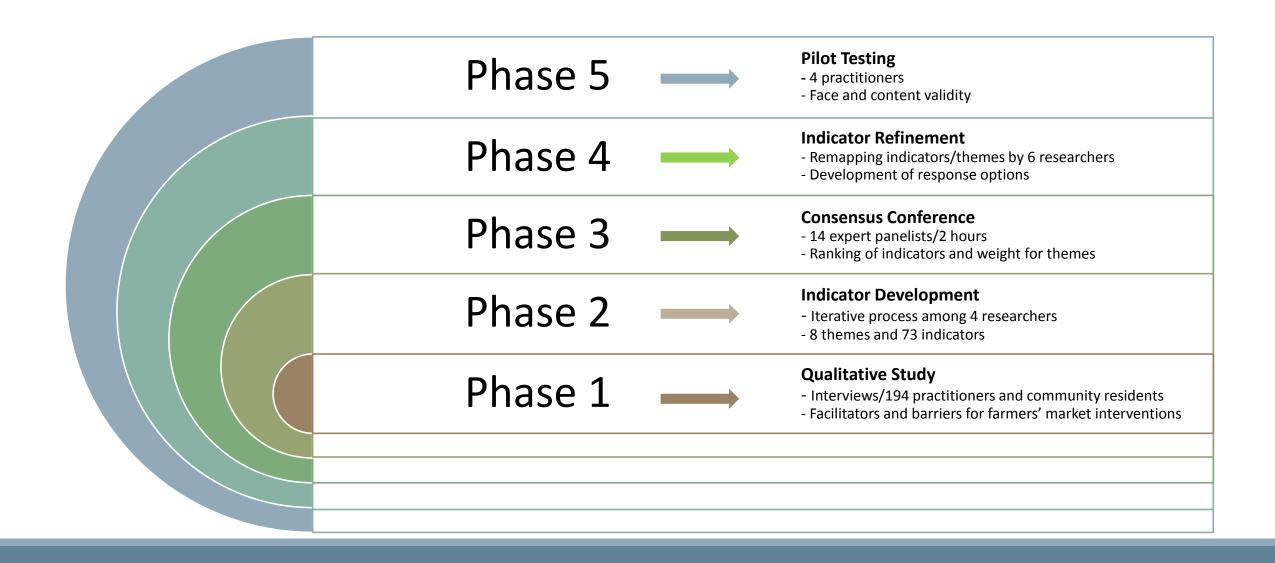


Consensus-based Modeling Approach

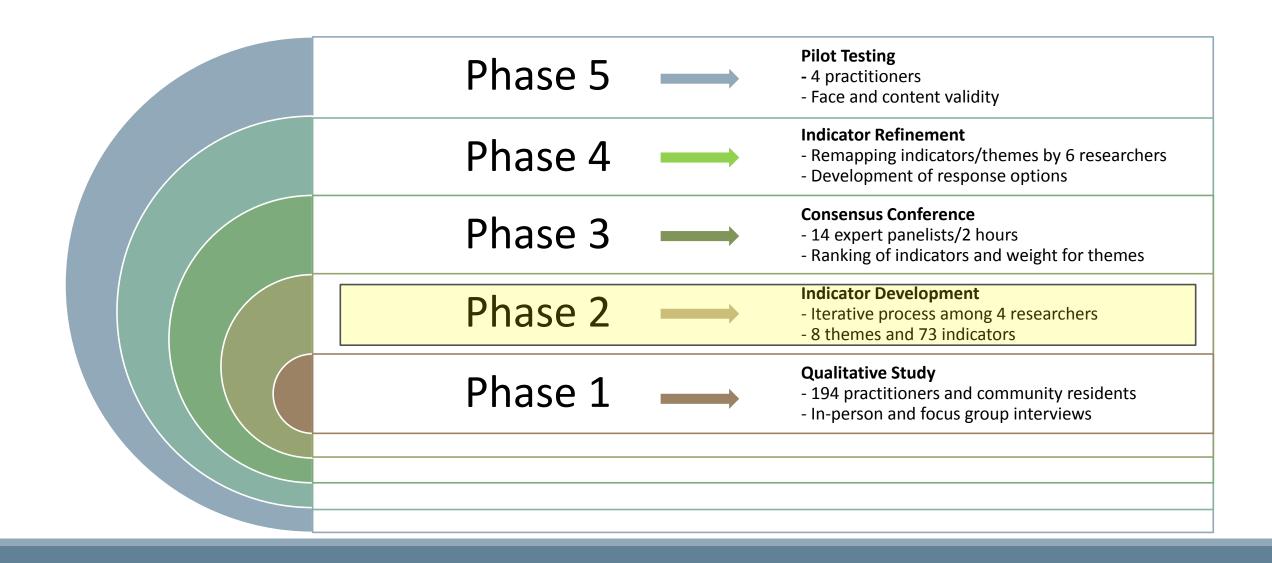
- Tailor implementation strategies based on the realities of community and capacity
- Include two key actors of intervention strategies (i.e., community residents and practitioners)
- Use a multi-phase iterative process of action and reflection



Multiphase Consensus-based Modeling



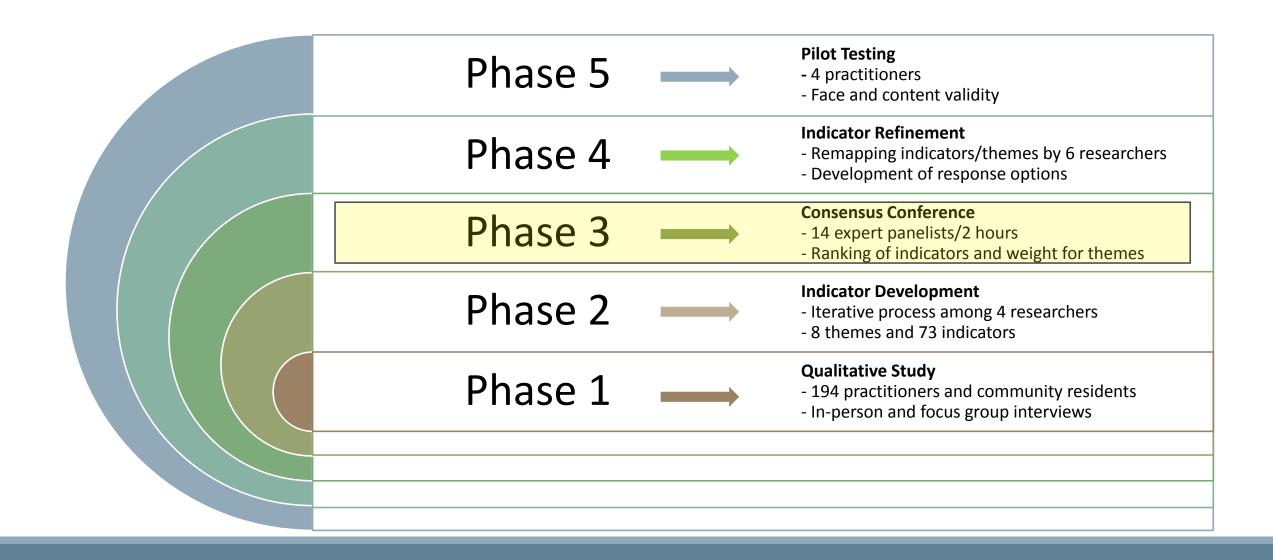
Multiphase Consensus-based Modeling

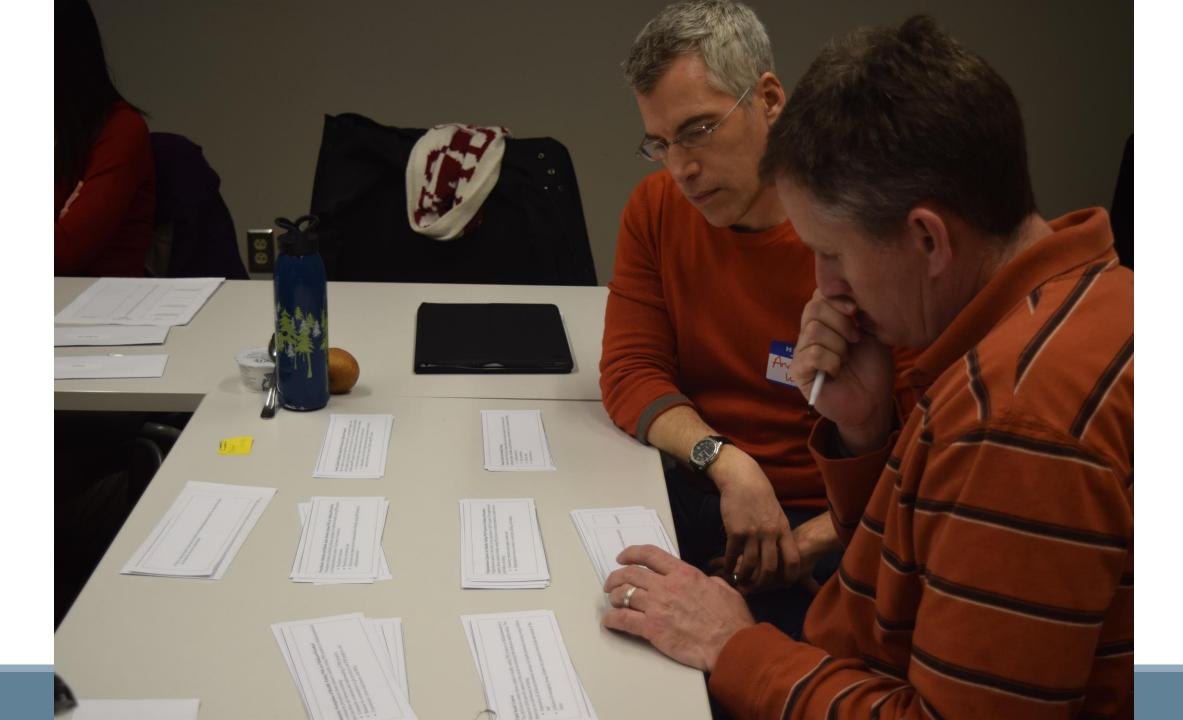


Phase 2: Initial Theme & Indicator Development

Theme	Definition	# Indicators					
Organizational Capacity	Organizational capacity includes having the budgets, human capital, resources and work plans to implement FM PSE projects.						
Practitioner Awareness	This theme includes practitioner exposure to EBT implementation, healthy food incentive programs at FM, and utilizing FM to educate SNAP-Ed recipients.						
Practitioner Attitudes and Beliefs	This theme includes practitioner perceptions of use of FM among people receiving SNAP and other low-income populations, as well as perceptions of FM staff.						
Networks & Relationships	This theme refers to the social capital, or the networks of relationships from which practitioners and community members can draw to help implement and support FM PSE	7					
Community Perceptions	Are there programs in your service area to support increasing the number of farmers/ve awareness, adv	Are there programs in your service area to support increasing the number of farmers/vendors able to sell products at farmers' markets?					
Logistical Factors	Are there incentive programs in your service area that target vulnerable populations (i.e. with disabilities, seniors, and people with diabetes)?						
Sustainability	This theme reference you or other partners in your community secured funding sources for healthy food farmers' markets?						
Community Food Norms and Skills	This theme includes community skills needed to take advantage of farmers' market PSE projects, perceptions of food choice and quality available at farmers' markets, and perceptions of the health benefits of foods at farmers' markets.	11					

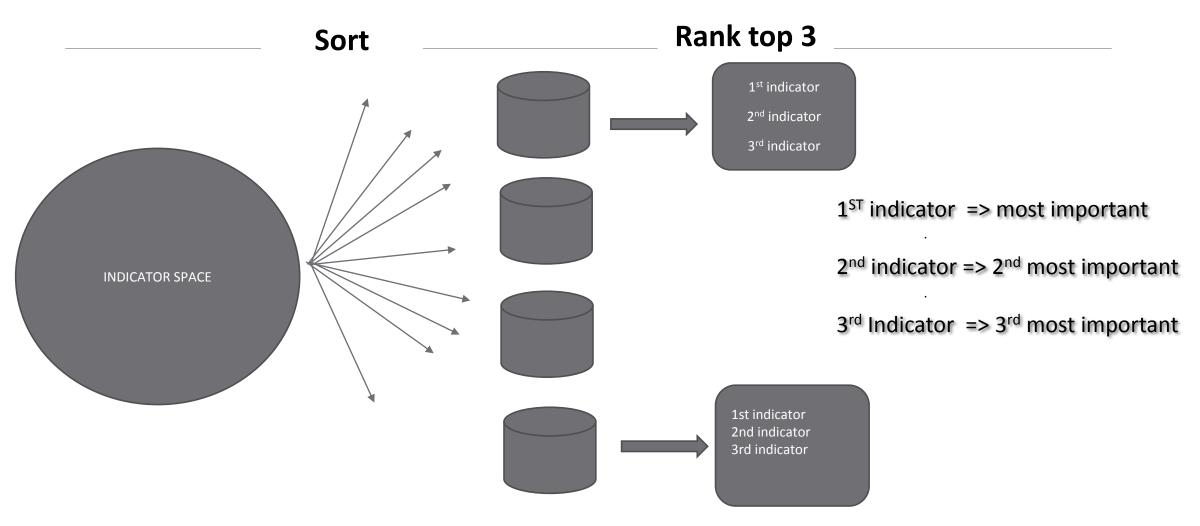
Multiphase Consensus-based Modeling





Phase 3: Consensus Conference, Part 1

Sorting & Ranking of Indicators



Sorting and Ranking – Sample worksheet

Indicator	Team1	Team2	Team3	Team4	Team5	x1	x2	хЗ	х4	х5	TOTAL
70	1	1		2		3	3	0	2	0	8
9			2	3	2	0	0	2	1	2	5
4			1			0	0	3	0	0	3
11					1	0	0	0	0	3	3
57		3	3		3	0	1	1	0	1	3
71				1		0	0	0	3	0	3
36	2					2	0	0	0	0	2
40		2				0	2	0	0	0	2
65	3					1	0	0	0	0	1
1						0	0	0	0	0	0
2						0	0	0	0	0	0
3						0	0	0	0	0	0
5						()	()	()	0	()	0

Sustainability –

Consensus-based Rankings of factors that increase the supply and demand of farmers' market PSE projects.

Is there a feedback mechanism for informing local farmers' markets about the foods preferred by your service population?

Are there programs in your service area aimed at increasing the number of fruit and vegetable vendors at local farmers' markets?

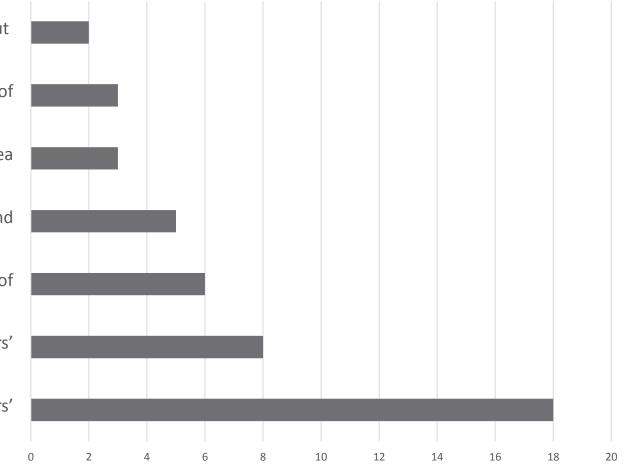
Is there space available in high-traffic/highly visible areas in your service area for locating a farmers' market?

What percent of vendors at local farmers' markets sell fresh fruits and vegetables? Record percent from 0% to 100%.

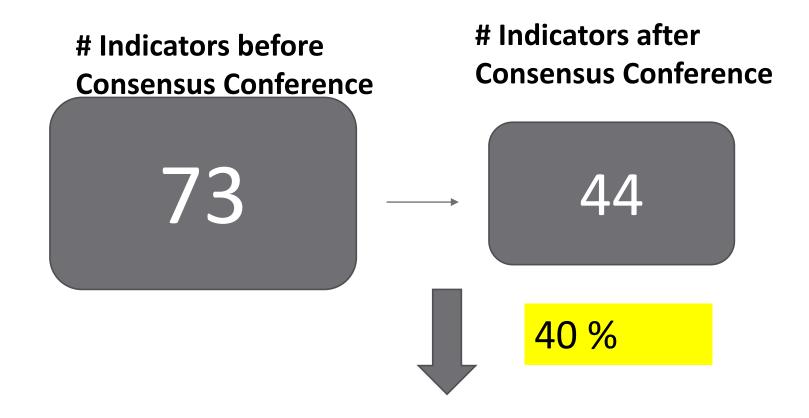
Are there programs in your service area to support increasing the number of farmers/vendors able to sell products at farmers' markets?

Are there enough farmers/vendors to support current and/or new farmers' markets in your service area?

Do you have enough vendors in your service area to support farmers' markets?



Sorting and Ranking

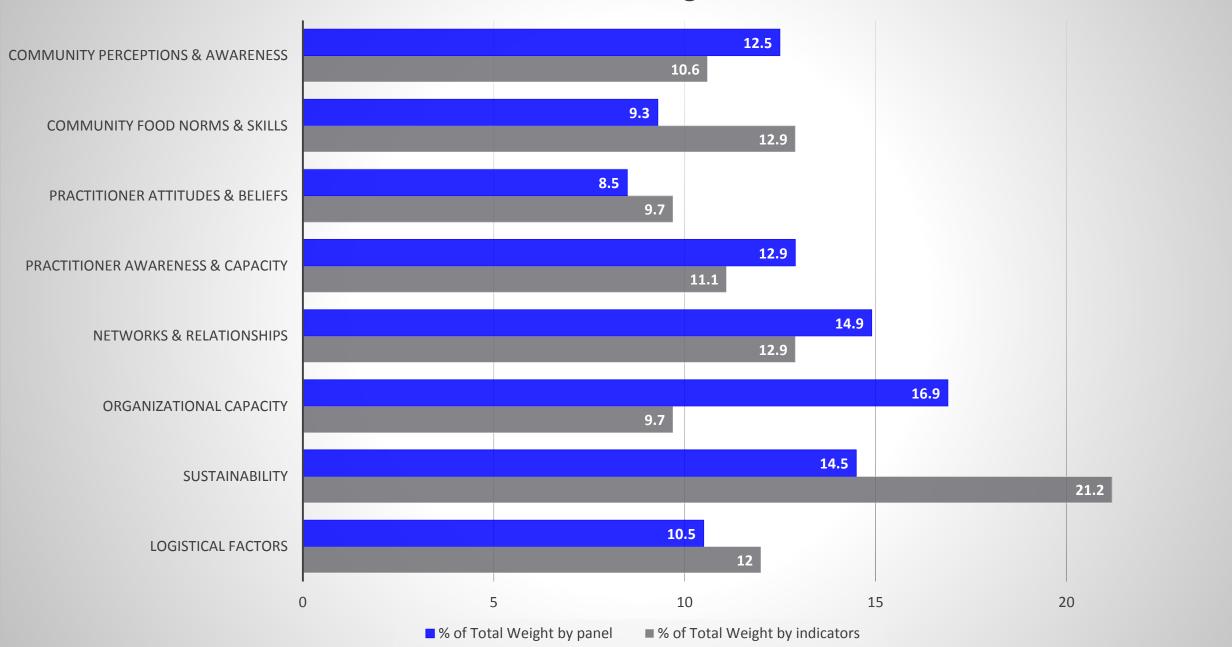


Phase 3: Consensus Conference, Part 2

Weighting Themes

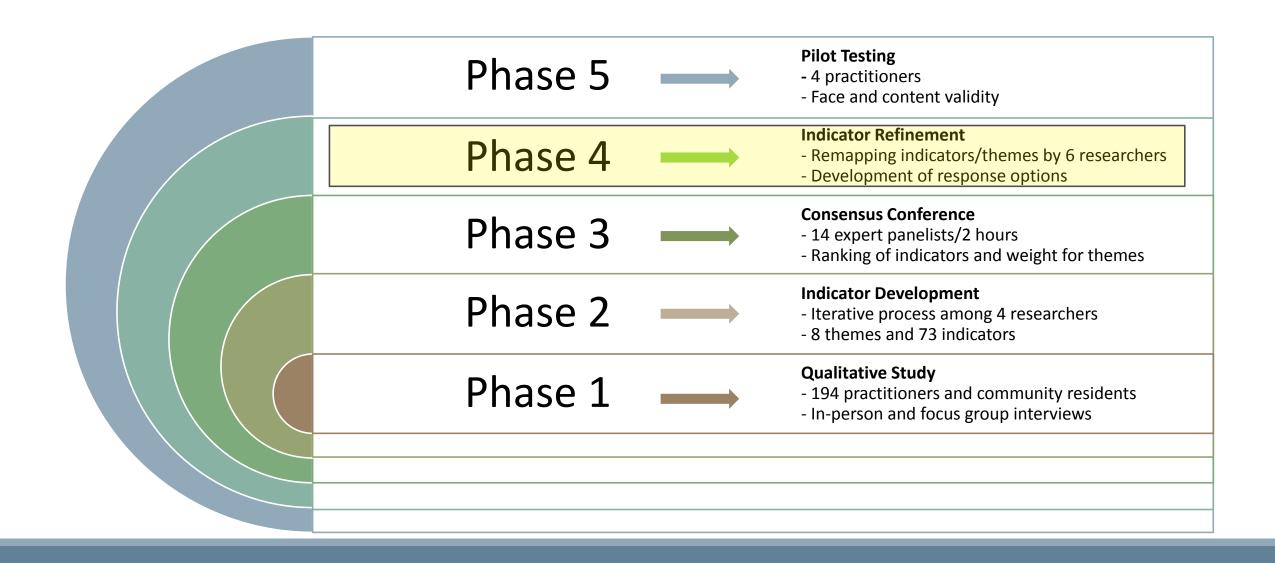


Theme Weights



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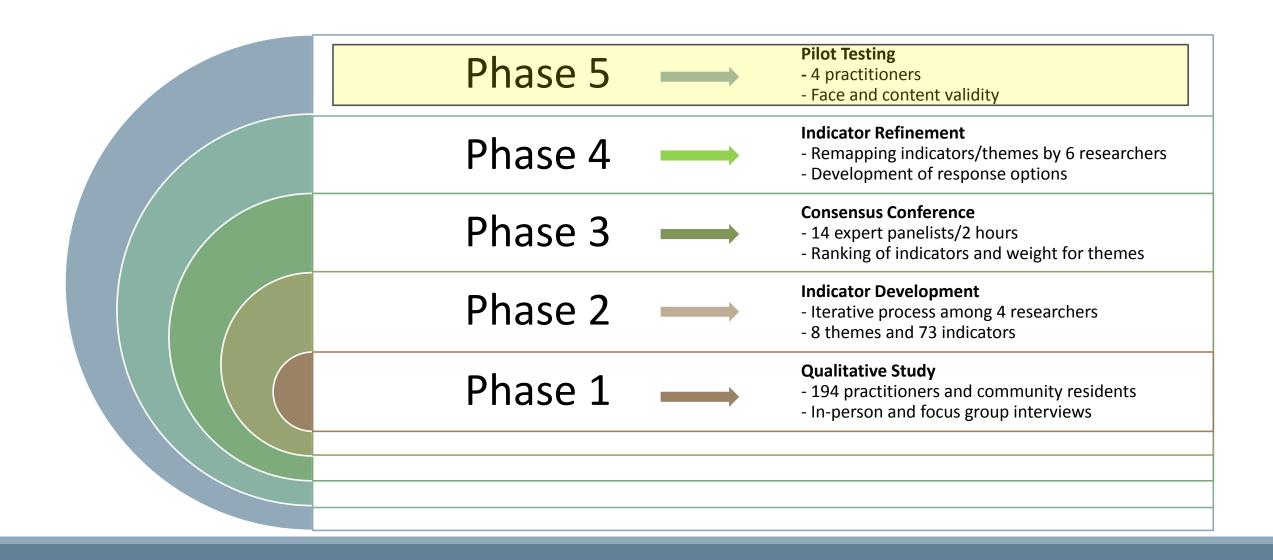
Multiphase Consensus-based Modeling



Phase 4: Indicator Refinement

- Reviewed comments from panel
- Revised language of some indicators
- Merged indicators to create new indicators
 - Took higher weight of the merged indicators to be weight of the new indicator.
- Reviewed possible response options for the FM PSE and mapped theme to scores on a scale of 0 to 1.

Multiphase Consensus-based Modeling



Phase 5: Pilot Testing – phone interview

- ☐ What is your overall impression of this instrument?
- ☐ What did you like best?
- ☐ What could be improved?
- ☐ How long did it take you to answer the questions?
- ☐ In what ways can you see yourself or anther practitioner using this instrument?
- ☐ What would motivate you to use this instrument?

Phase 5: Pilot Testing - Revisions

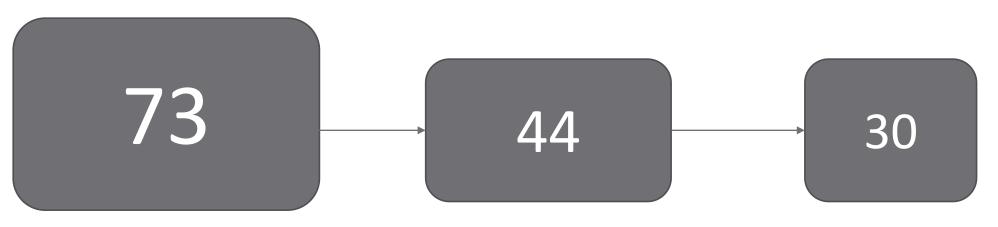
Revision	Example
Words or phrases in indicators that pilot testers had to read more than once or didn't understand	"Foods commonly consumed by my service population" was changed to "fruits and
were revised for clarity.	vegetables commonly consumed by your service population."
Eliminated "how much," "how many," and "how often" from indicators. Specific frequencies were	In the past year, to what extent did you collaborate or partner with another practitioner
difficult for pilot testers to quantitify. Indicators were revised to begin with "To what extent."	or organization to work on FM PSE projects?
Pilot testers reported that many indicators were too long and/or had repetitive wording. The stem	
"To what extent" was removed from each indicator and now appears once at the beginning of each	
section.	
To address repetitive language, a definition key was added to the tool. Indicators were shortened by	"People receiving SNAP benefit or other low-income populations in your service area"
using only keywords instead of a longer description.	was shorted to "people"
Examples were added to indicators to clarify terms that pilot testers didn't understand or suggested	"Famer education programs" was added as an example to clarify the phrase "agricultural
for clarity.	development programs."
Response options for all indicators in all four tools were changed to the same Likert scale. A Don't	Not at All, Slightly, Moderately, Very, Extremely, Don't Know.
Know option was added to those questions that pilot testers could not answer.	
The format of the tool was changed to organize indicators by theme. Each section included a theme	
title and definition.	
Pilot testing helped the research team refine the definition of service area.	Pilot testers' definitions of service area included entire counties, census track areas and
	specific towns. Pilot testers were not using zip codes to define their service area(s) so this
	question was removed from the PSE READI and a field added so specific counties could
	be listed.

Summary of Indicator Refinement

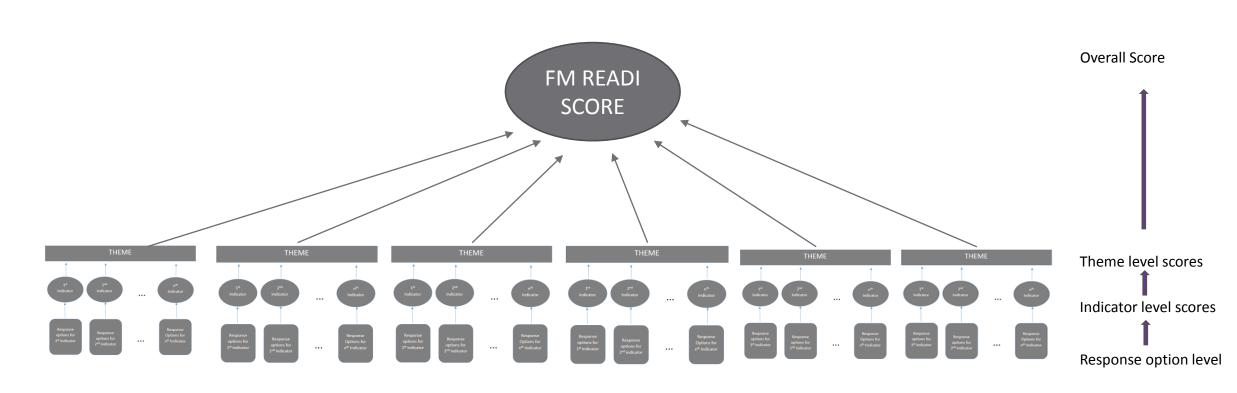
of Indicators before Consensus Conference

Indicators after Consensus Conference

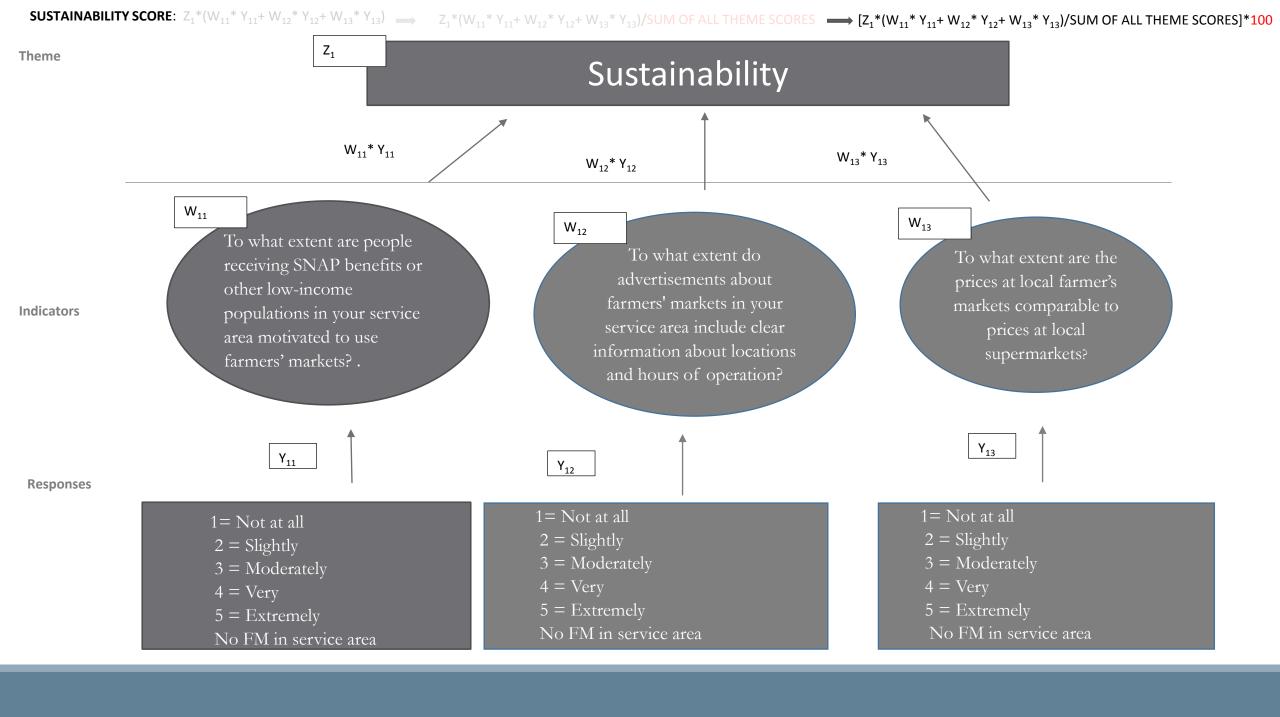
Indicators after
Review of consensus
conference results,
80% rule & Pilot
testing



FM PSE READI: Putting it all together



Response options developed in **phase 4**Weights applied to theme and Indicator scores developed from **phase 3**



Ongoing work

- Assessing content validity of the tool using an external panel of researchers on implementation of Farmers' market projects/ interventions.
- Operationalizing the tool to an online platform.
 - Developing a database of online resources the tool will draw recommendations from.
 - Collecting additional contextual variables to produce customized reports to accompany recommendations generated by the tool.
- www.bcop.com

Questions & Answers

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