



Center for Public Health Systems Science

GEORGE WARREN BROWN
SCHOOL OF SOCIAL WORK



Washington University in St. Louis

Assessing the depth, breadth, and quality of community health programming

The Strength of Community Health Programming Index

Caren Bacon

AEA 2013 Annual Meeting

October 18, 2013



Presentation Overview

Introduction

Development

Preliminary
Results

Next Steps

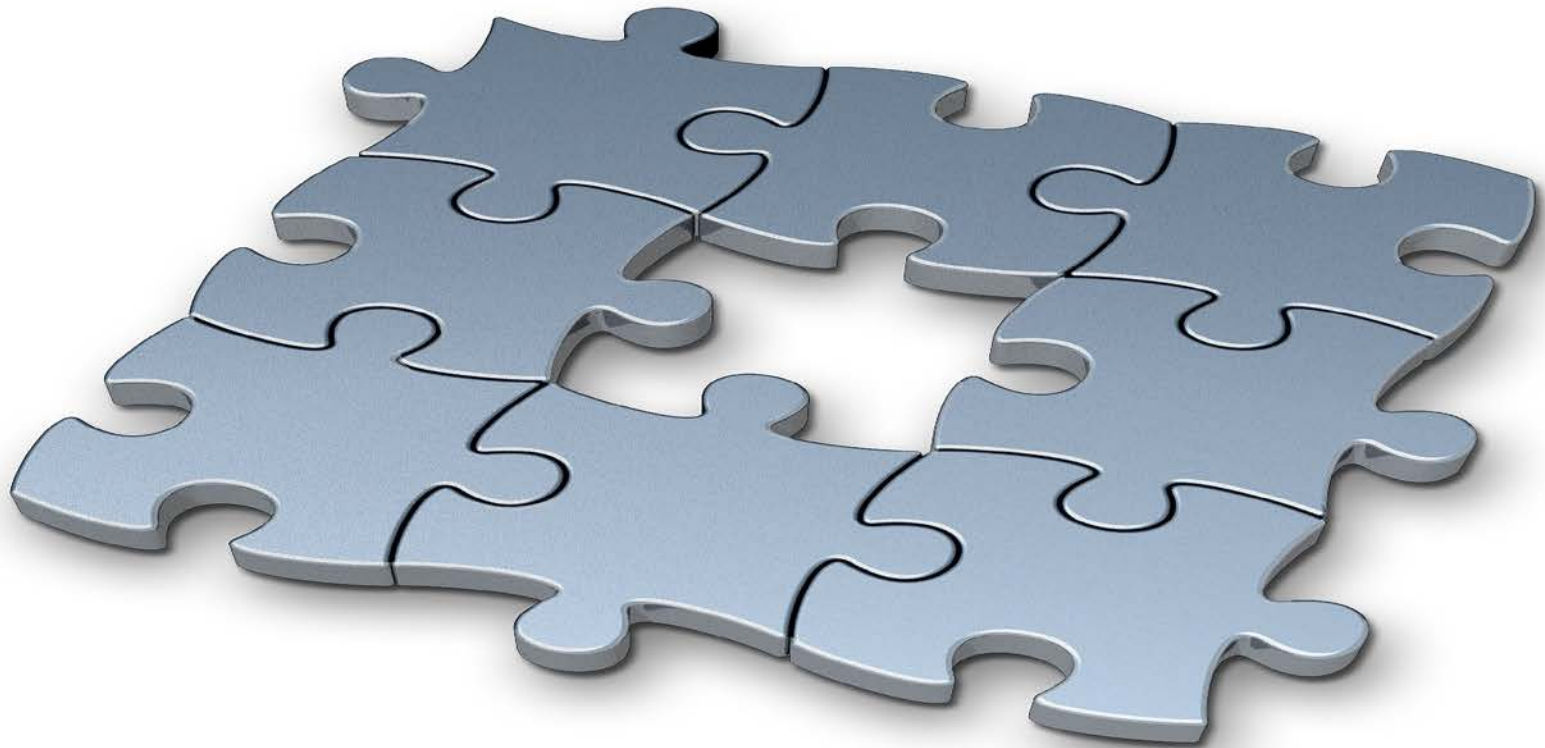
Future Use



Introduction



Tobacco Prevention and Cessation Initiative



Strategies

Tobacco Tax
Increase



Community Grants

- In-person cessation
- Smokefree policies
- Youth education

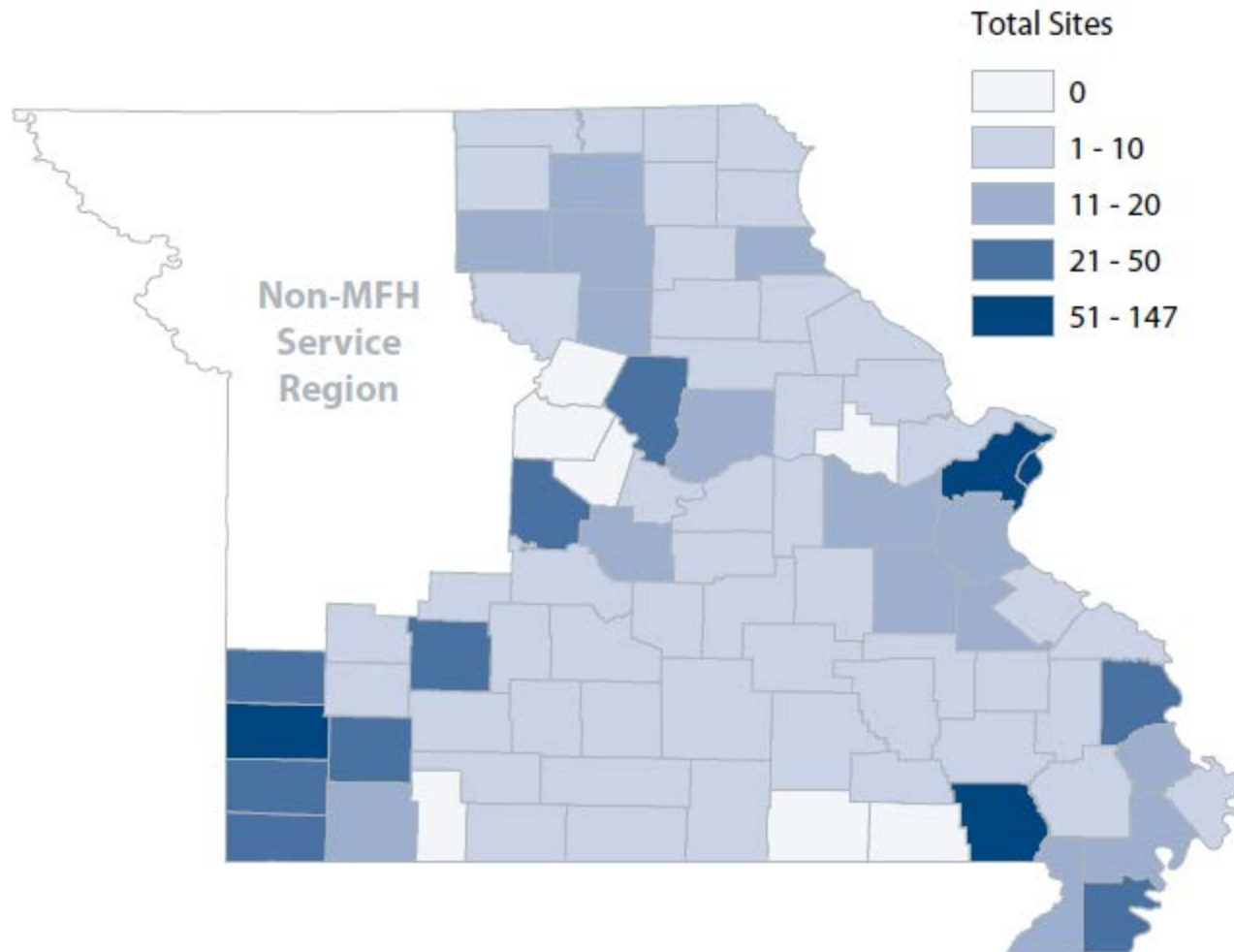
Quitline
Enhancement



Tobacco
Policy
Change



Grantee Sites



Evaluation

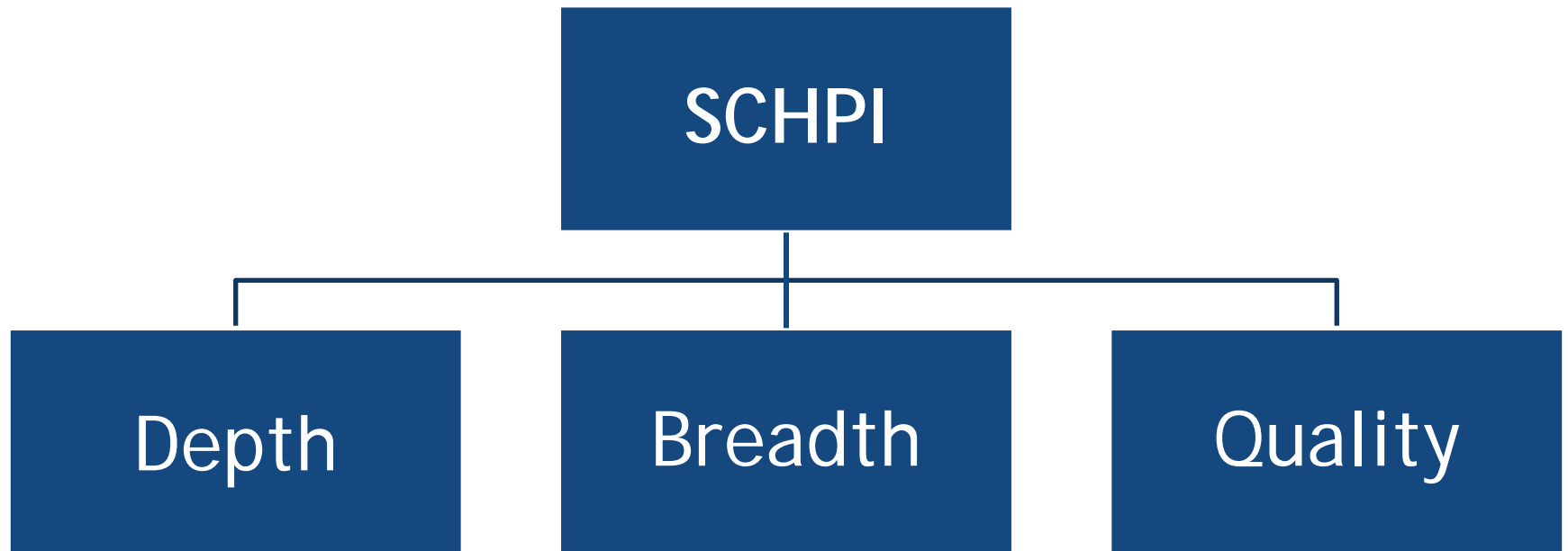




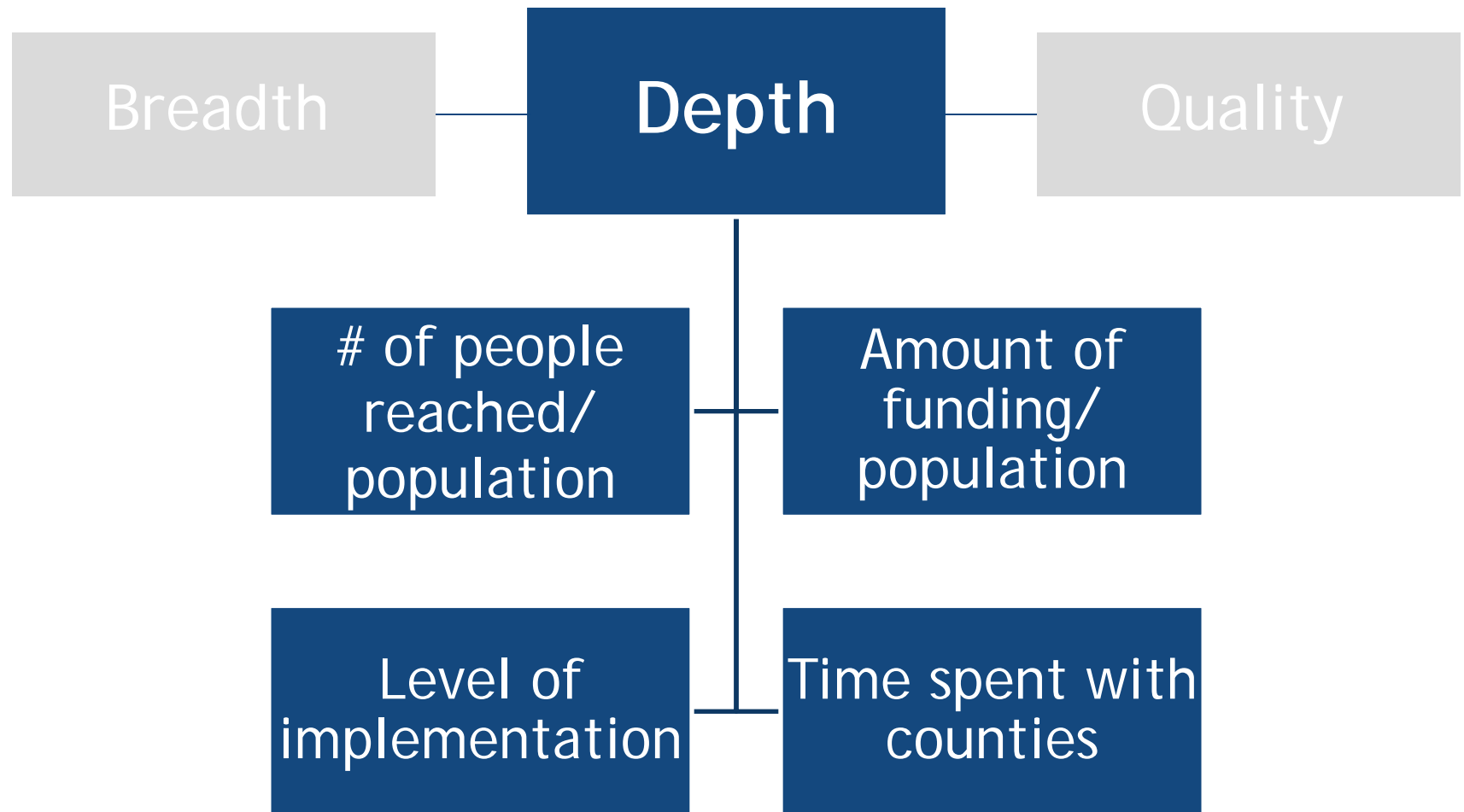
Development



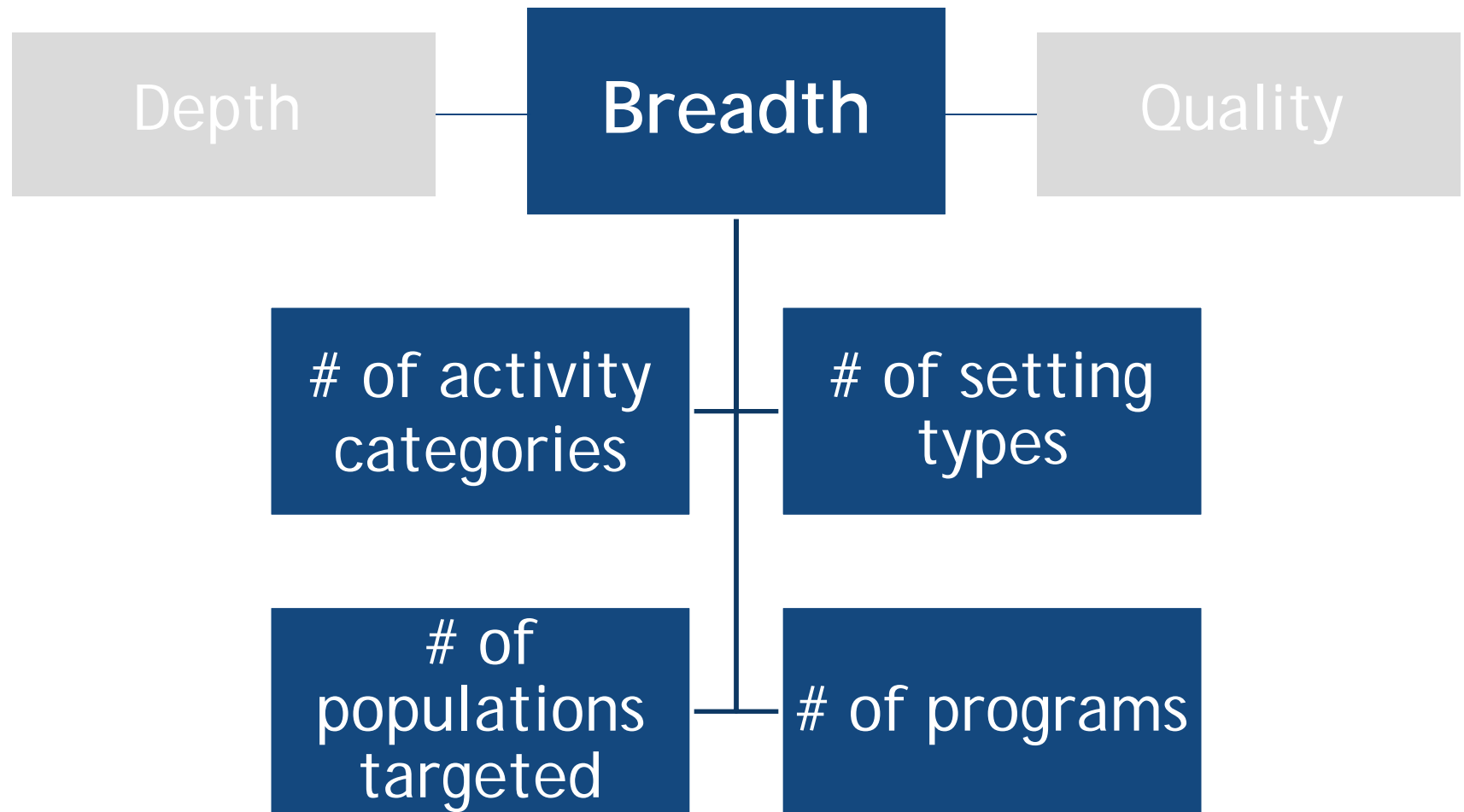
Strength of Community Health Programming Index



Depth Construct



Breadth Construct



Scoring - Depth & Breadth

| | | | | | | | |
|------------------------|----------------------|--------------|---------------|----------------|------------------------------|--------------------------------|-----------|
| September 2013 Summary | Staff and Volunteers | Partnerships | Policy Change | Systems Change | Material & Media Development | Published/Aired Media Messages | Site Data |
|------------------------|----------------------|--------------|---------------|----------------|------------------------------|--------------------------------|-----------|

Change Site:

Activity Type: [Capacity Building](#) | [Education](#) | [Advocacy](#) | [Cessation](#)

- Place a check mark next to each cessation activity you conducted for Mark Twain Elementary School this month.
- Enter number of units where indicated.

| Cessation Activity | Number of Units |
|--|---|
| <input type="checkbox"/> Distributed cessation materials <i>(e.g., cessation program workbook, tips for quitting)</i> | <input type="text"/> persons |
| <input checked="" type="checkbox"/> Referred employees to outside cessation services <i>(e.g., Missouri Tobacco Quitline)</i> | <input type="text" value="50"/> persons |
| <input type="checkbox"/> Provided free nicotine replacement therapy | <input type="text"/> persons |
| <input type="checkbox"/> Provided subsidized nicotine replacement therapy | <input type="text"/> persons |
| <input type="checkbox"/> Conducted cessation classes | <input type="text"/> total persons <input type="text"/> unique persons <input type="text"/> hours |
| <input type="checkbox"/> Conducted carbon monoxide tests | <input type="text"/> persons |
| <input checked="" type="checkbox"/> Pursued cessation-related systems change <i>(e.g., hospital/clinic-wide tobacco-user identification system)</i> | |
| <input type="checkbox"/> Other cessation activity | |

Previous: [Advocacy](#)

[Next](#)

[Return to Sites Menu](#)

Quality Construct



Scoring - Quality

- Challenge of using retrospective data
- Use of grantee documents
- Introduction of subjectivity



Scoring - Quality





Preliminary Construct Scores



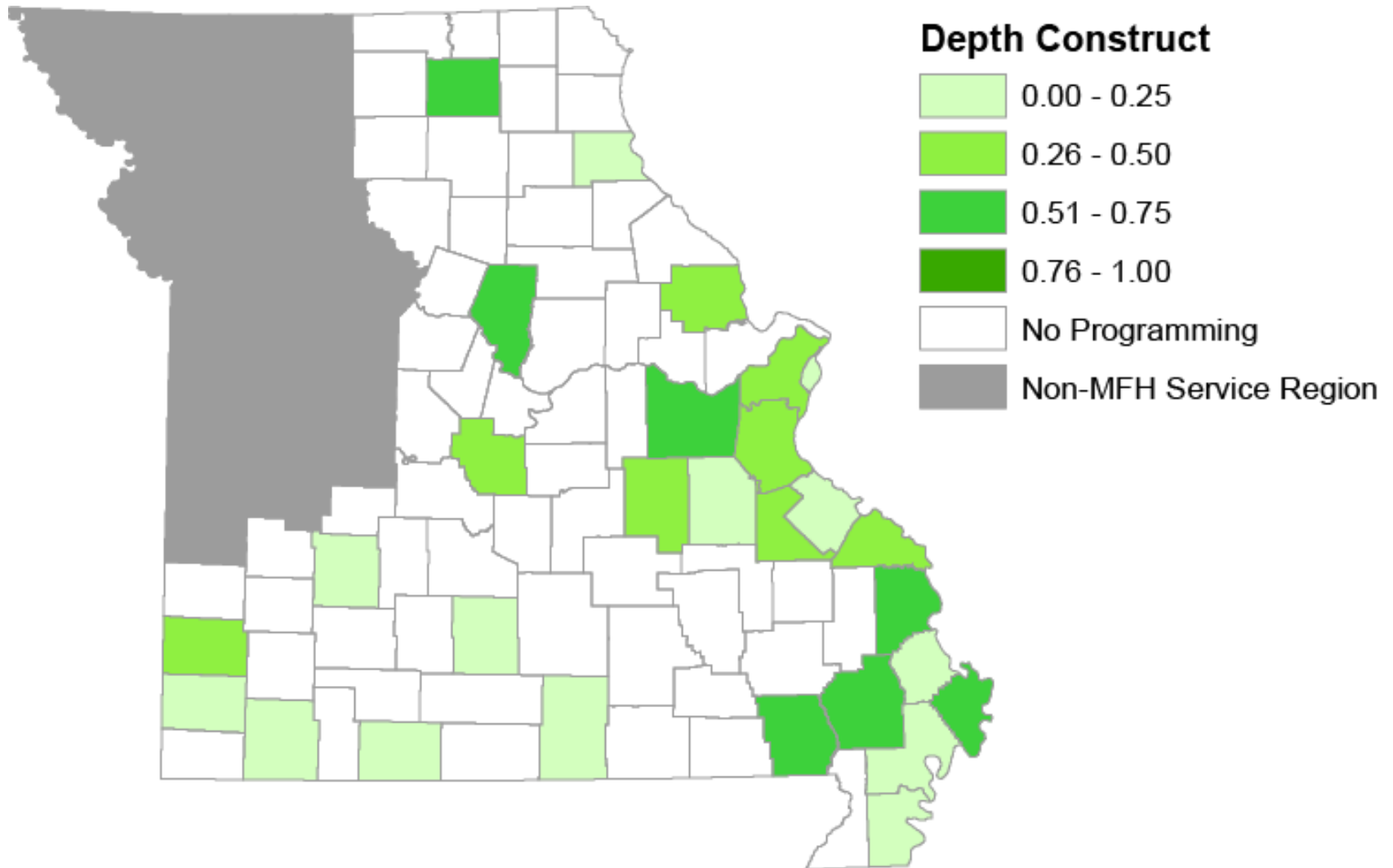
Construct Score Calculation

- Indicators were range standardized

$$\text{Range standardized value} = \left(\text{Raw value} - \text{Indicator minimum} \right) / \text{Indicator range}$$

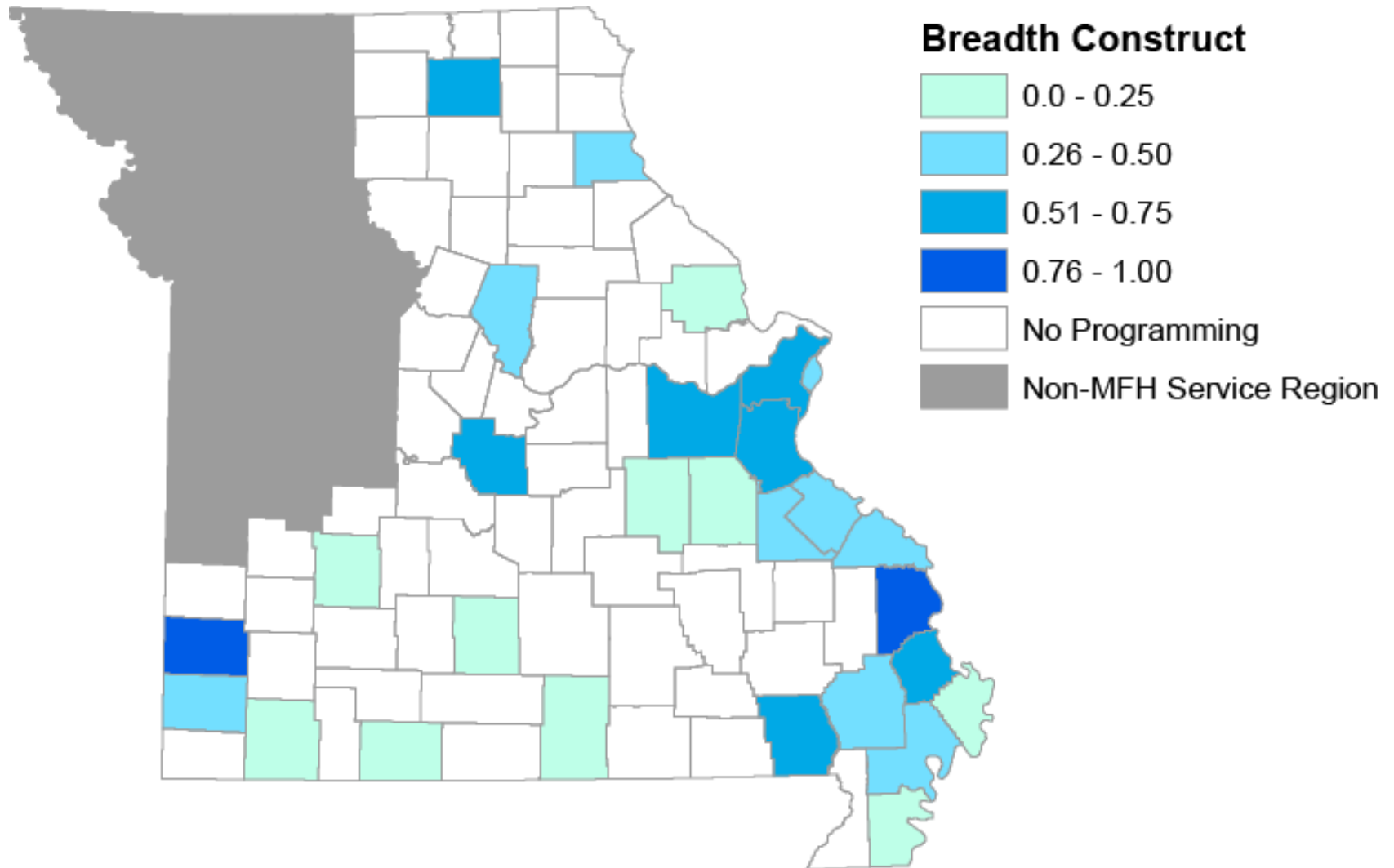
- All values are now on a scale of 0 to 1

Preliminary Depth Construct Scores



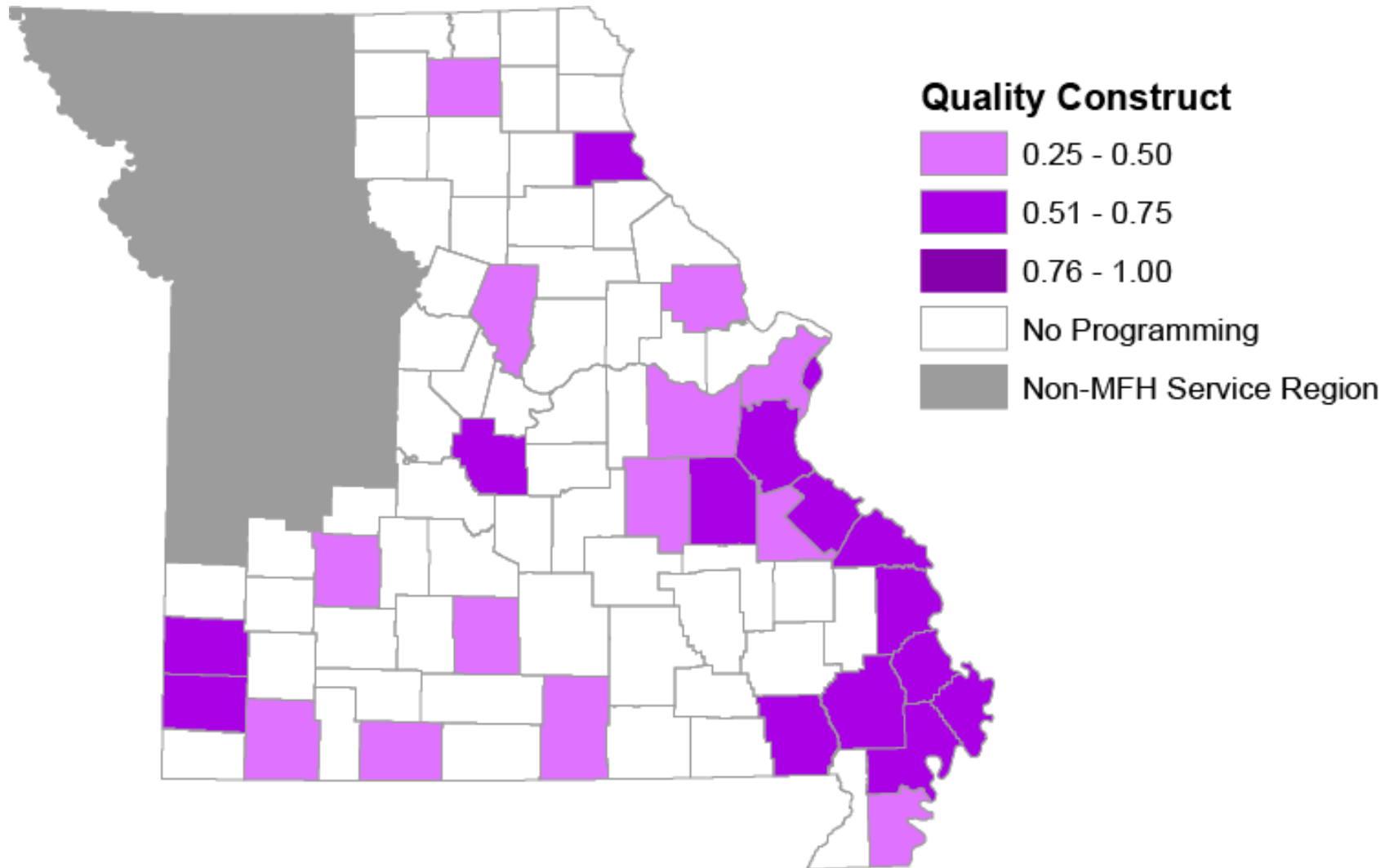


Preliminary Breadth Construct Scores





Preliminary Quality Construct Scores



Preliminary Construct Scores - County Examples

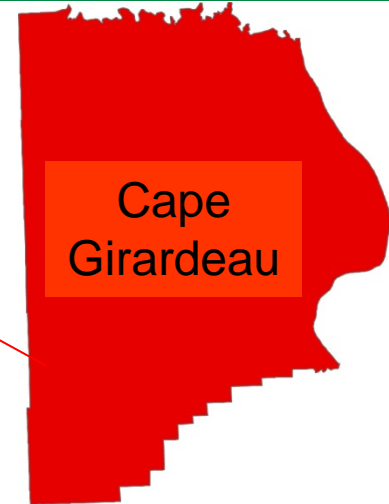
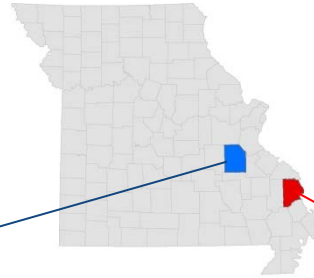


Construct Scores

Depth: 0.03
Breadth: 0.02
Quality: 0.65

Sample of Activities in the County

- 1 active grant in the county
- Freedom from Smoking Clinics
- Teens Against Tobacco Use programs



Construct Scores

Depth: 0.75
Breadth: 0.83
Quality: 0.63

Sample of Activities in the County

- 5 active grants in the county
- Tobacco Policy Awareness Activities
- Freedom from Smoking Clinics
- Teens Against Tobacco Use programs

Next Steps



Next Steps for SCHPI



Future Use

Future use of SCHPI





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Questions?

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