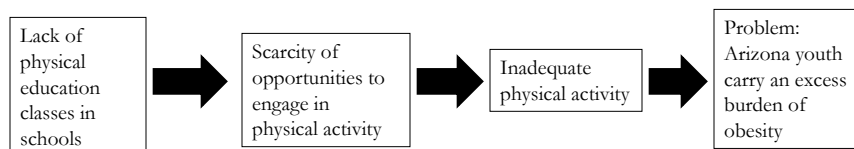


Post-hoc Program Theory Construction using Source Documentation

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What is a program theory?

- A way of looking at the problem a program addressing



Why is a program theory important?

- Helps evaluators know
 - where to look for change
 - What should be measured
- Important for impact/outcome evaluation



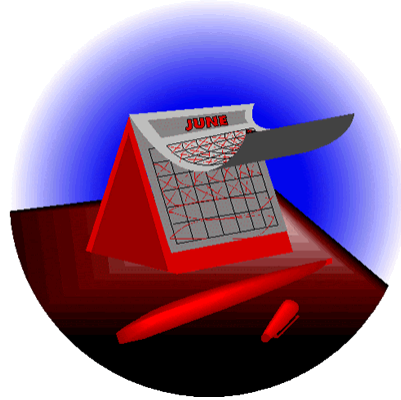
How do we typically build a program theory?

- Interviews with stakeholders, content experts
- Group exercises
- Model from past programs
- Research literature



When is the best time to produce a program theory?

- Up front
 - Before the program begins its implementation phase



In practice, when, if at all, are most program theories developed?

- During implementation phase or later
- What are the consequences?
 - Limited access to stakeholders, content experts
 - Limited resources
 - Limited time



So what do we do?



- Post-hoc program theory construction using source documentation
 - Assuming source documentation exists

Step 1: Gather source documentation

- May include:
 - Original grant proposal
 - Mission statement
 - Program manuals
 - Activity descriptions
 - Newsletters
 - Lesson plans
 - Meeting minutes



Step 2: Identify underlying conditions

- Using source documentation extrapolate underlying conditions

Source document	Written description
Mission statement	Problem: Arizona youth carry an excess burden of obesity
Parent newsletter	Nutrition not consistently taught in schools
Informational brochure	Youth have poor diets
Lesson plans	Lack of nutrition knowledge

Step 2 continued

Underlying Conditions

Problem Arizona youth carry an excess burden of obesity

Nutrition not consistently taught in schools

Youth have poor diets

Lack of nutrition knowledge

Source Documentation

Mission statement:
Find ways to prevent obesity and complications of obesity among youth in Arizona.

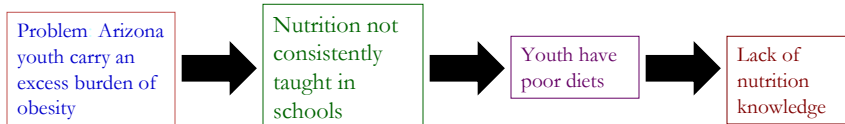
Newsletter article:
Letter from program director detailing unpredictable funding of nutrition education in public schools.

Brochure excerpt:
“Poor diet in childhood can damage health in the long-term.”

Lesson plans excerpt:
“At the end of the lesson, students will be able to identify nutrients found in green vegetables.”

Step 2 continued

Underlying Conditions



Source Documentation

Mission statement:

Find ways to prevent obesity and complications of obesity among youth in Arizona.

Newsletter article:

Letter from program director detailing unpredictable funding of nutrition education in public schools.

Brochure excerpt:

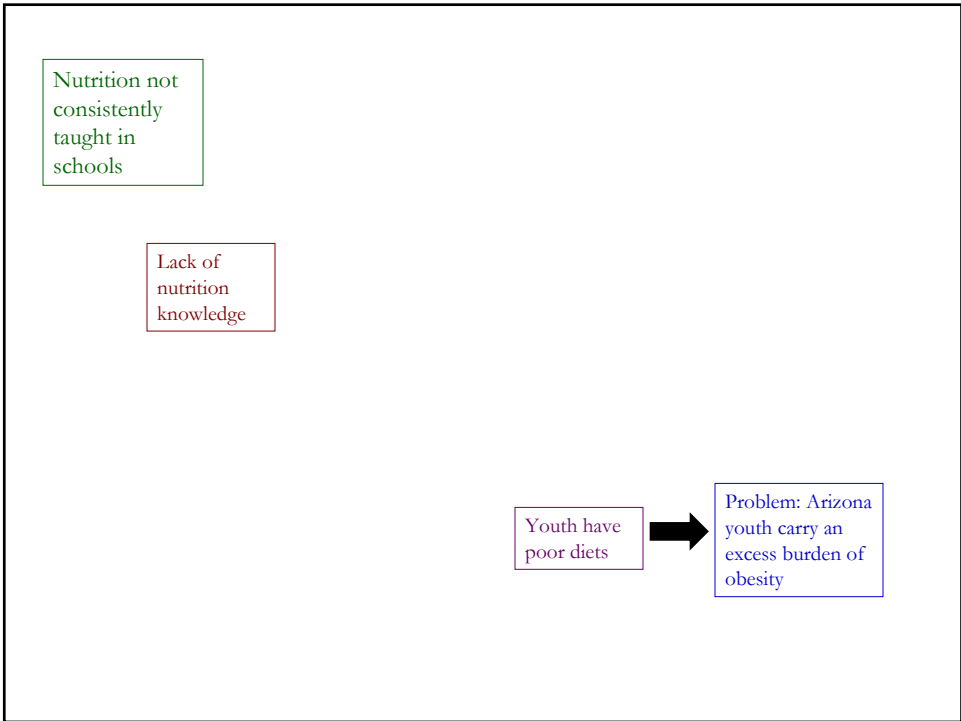
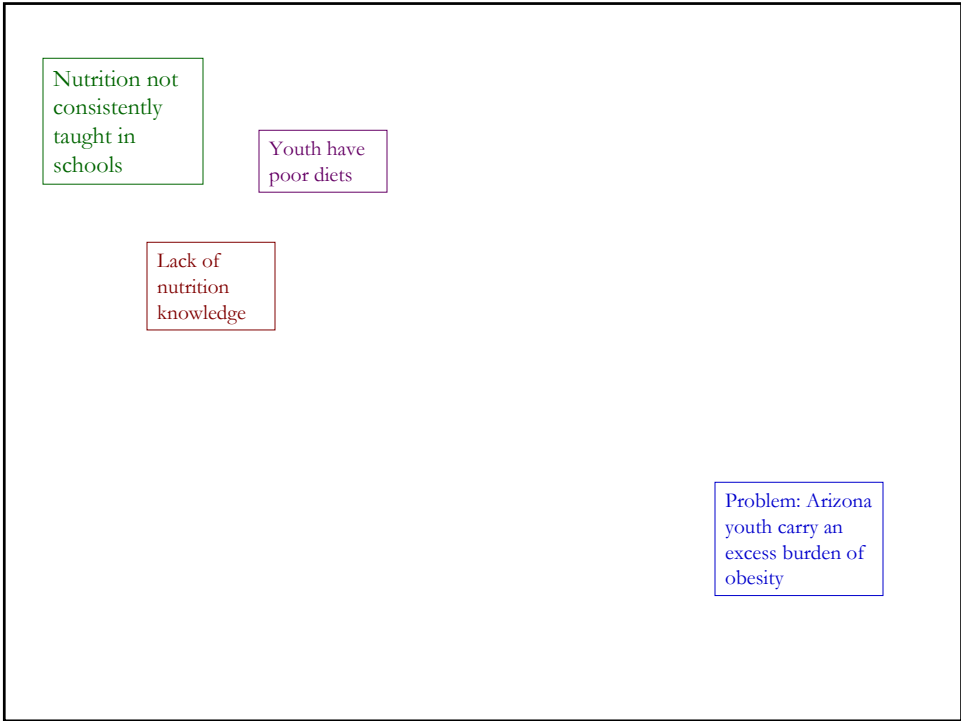
“Poor diet in childhood can damage health in the long-term.”

Lesson plans excerpt:

“At the end of the lesson, students will be able to identify nutrients found in green vegetables.”

Step 3: Sequencing underlying conditions

- Determine relationships between underlying conditions
 - Check with if-then methodology
 - Intuition & reasoning



Nutrition not consistently taught in schools

Lack of nutrition knowledge



Youth have poor diets



Problem: Arizona youth carry an excess burden of obesity

Nutrition not consistently taught in schools



Lack of nutrition knowledge



Youth have poor diets



Problem: Arizona youth carry an excess burden of obesity

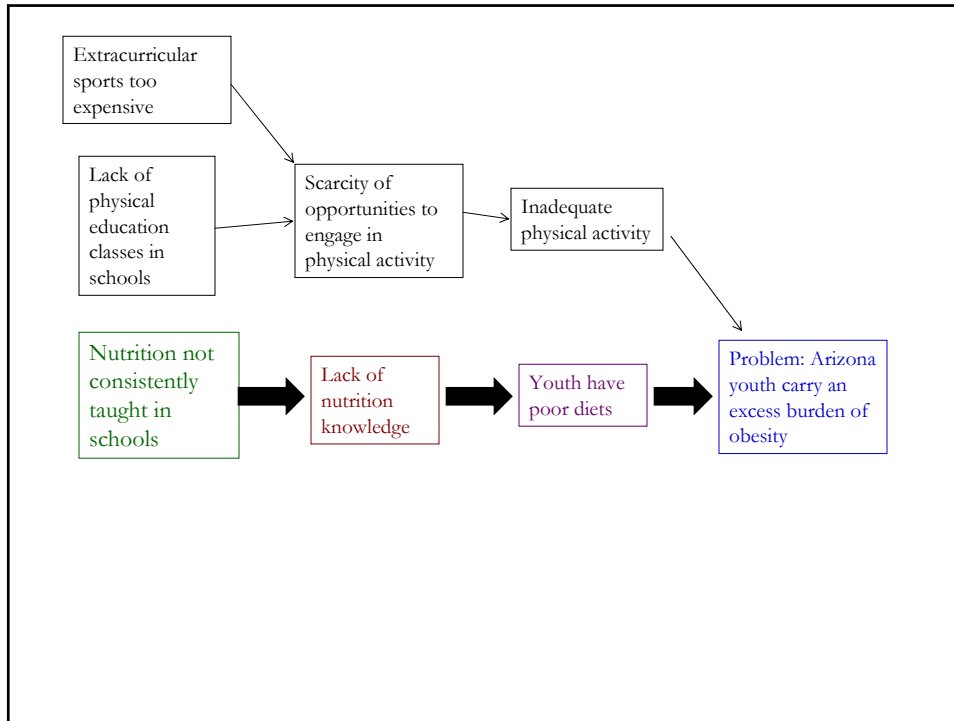
Step 4: Verify with stakeholders

- Confirms logic with content experts
- Obtains buy-in
- Requires less time than a priori interviews

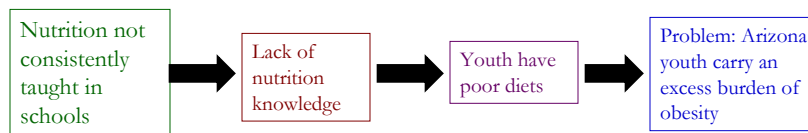


Limitations

- Only reflects what the program is already doing
 - Important underlying conditions may not have been previously identified
 - Targeted underlying conditions may not be the most critical
- Process may illuminate there is not a logical connection between underlying conditions & problem



Step 5: Create logic model based on program theory



Programmatic Assumptions	Inputs	Activities/ Strategies	Outputs	Immediate Outcomes	Intermediate Outcomes	Long-term Outcomes
<ul style="list-style-type: none"> •Youth need to understand risk factors for obesity •Barriers prevent youth from understanding obesity risk factors & leading healthy lifestyles 	<ul style="list-style-type: none"> •State funding •Private grant funding 	<ul style="list-style-type: none"> • Offer supplemental nutrition classes in schools •Raise parent awareness 	<ul style="list-style-type: none"> •Number of classes taught •Number of articles in parent newsletters 	<ul style="list-style-type: none"> •Increase number of children & parents who receive nutrition education 	<ul style="list-style-type: none"> •Improve/ encourage balanced diet among youth 	<ul style="list-style-type: none"> •Decrease Arizona's obesity burden among youth

Conclusions

- Post-hoc program theory construction offers a methodology under the realistic, but not ideal, situation of creating a program theory with limited:
 - Time
 - Resources
 - Access to content expert, stakeholders



Thank You!

Questions?