


Integrating Program Planning and Evaluation Using Logic Models


By:
Thomas J. Chapel, MA, MBA
TChapel@cdc.gov



Disclaimer...

The findings and conclusions in this presentation are those of the author and do not necessarily represent the views of the Centers for Disease Control and Prevention.

2



Why We Evaluate...

“... The gods condemned Sisyphus to endlessly roll a rock up a hill, whence it would return each time to its starting place. They thought, with some reason...”

3

Why We Evaluate...

***...there was no punishment
more severe than eternally
futile labor...."***

The Myth of Sisyphus

4

Objectives: Be able to...

- State CDC Evaluation Framework steps and standards
- State the purpose of and components of logic models
- Construct simple logic models
- Use program theory insights to elaborate logic models
- Use logic models to frame/address questions in program planning and evaluation

5

Integrating Processes to Achieve Continuous Quality Improvement

- Continuous Quality Improvement (CQI) cycle.

- **Planning**—What actions will best reach our goals and objectives.
- **Performance measurement**—How are we doing?
- **Evaluation**—Why are we doing well or poorly?



6

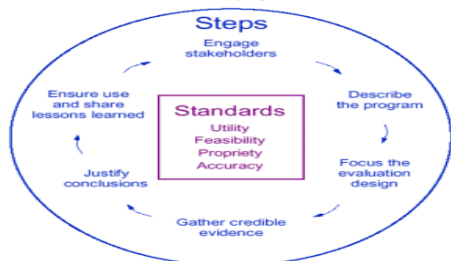
Defining Evaluation

- **Evaluation** is the systematic investigation of the merit, worth, or significance of any “*object*”
Michael Scriven
- **Program** is any organized public health action/activity implemented to achieve some result

7

Enter the CDC “Evaluation” Framework

FIGURE 1. Recommended framework for program evaluation



8

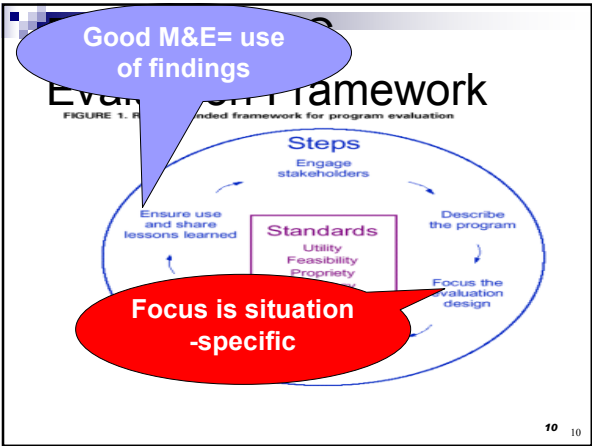
Good M&E = use of findings

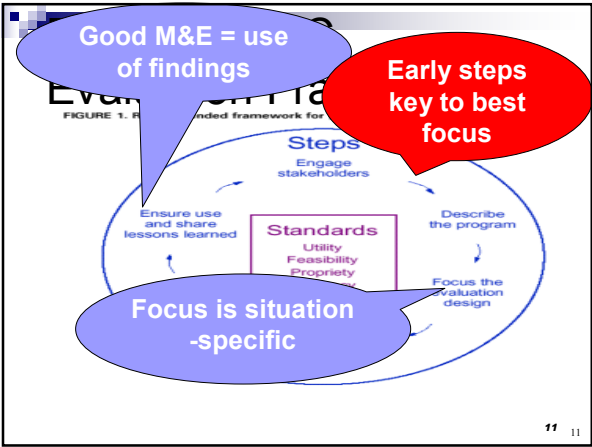
Evaluation Framework

FIGURE 1. Recommended framework for program evaluation



9





Underlying Logic of Steps

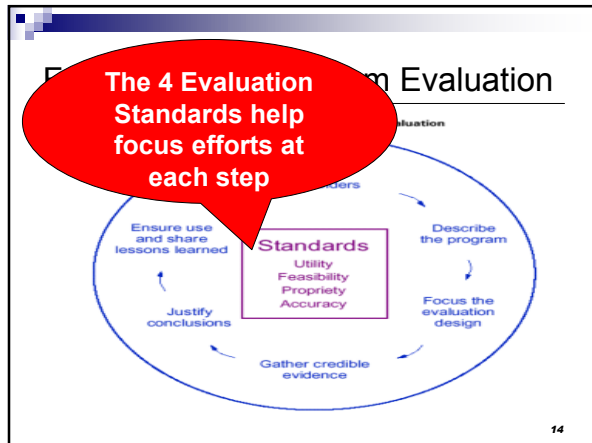
- **No M&E is good unless**... results are used to make a difference
- **No results are used unless**... a market has been created prior to creating the product
- **No market is created unless**.... the M&E is well-focused, including most relevant and useful questions
- **And...**

The slide is numbered 12 in the bottom right corner.

Establishing the Best Focus Means...

- **Framework Step 1:** Identifying who cares about our program besides us? Do they define program and “success” as we do?”
- **Framework Step 2:** What are milestones and markers on the roadmap to my main PH outcomes?

13



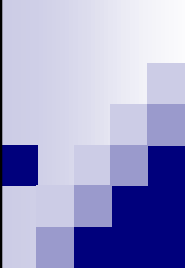
14

The Four Standards

No one “right” evaluation. Instead, best choice at each step is options that maximize:


- **Utility:** Who needs the info from this evaluation and what info do they need?
- **Feasibility:** How much money, time, and effort can we put into this?
- **Propriety:** Who needs to be involved in the evaluation to be ethical?
- **Accuracy:** What design will lead to accurate information?

15 15



Using Logic Models in Planning and Evaluation

Constructing Simple Logic Models




You Don't **Ever** Need a Logic Model, BUT, You **Always** Need a Program Description

Don't jump into planning or eval without clarity on:

- The big **"need"** your program is to address
- The key **target group(s)** who need to take action
- The kinds of actions they need to take (your intended **outcomes** or objectives)
- **Activities** needed to meet those outcomes
- "Causal" **relationships** between activities and outcomes

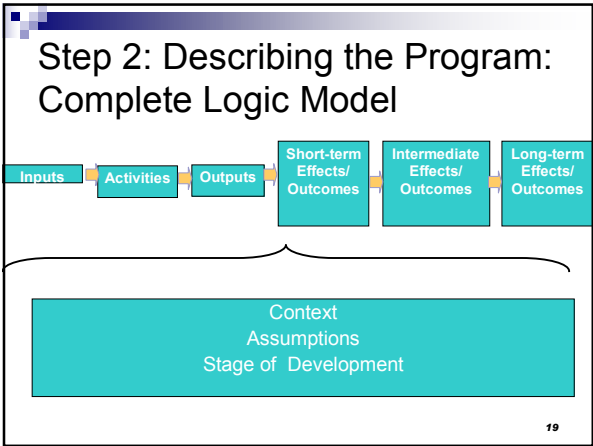
17

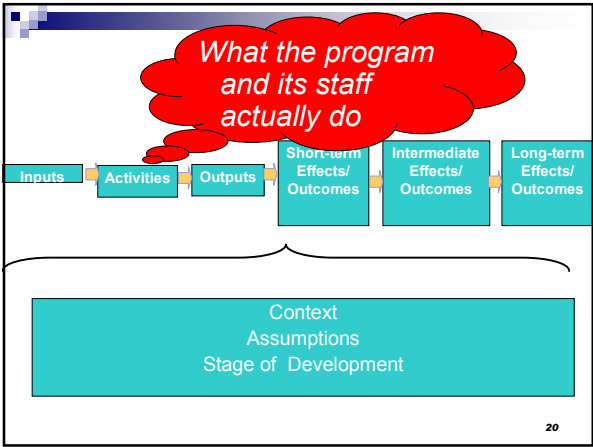


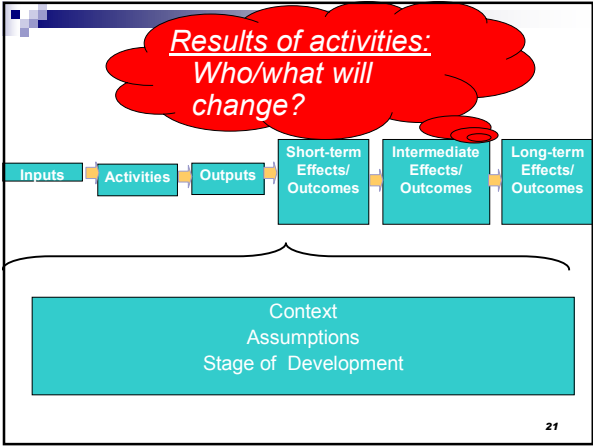
Logic Models and Program Description

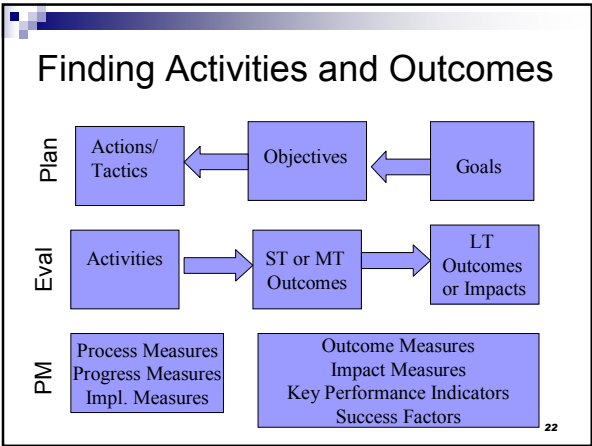
- ***Logic Models*** : *Graphic depictions of the **relationship** between your program's activities and its **intended** effects*

18









Goal 3: Disseminate information to guide policy, practice, and other actions to improve the nation's health

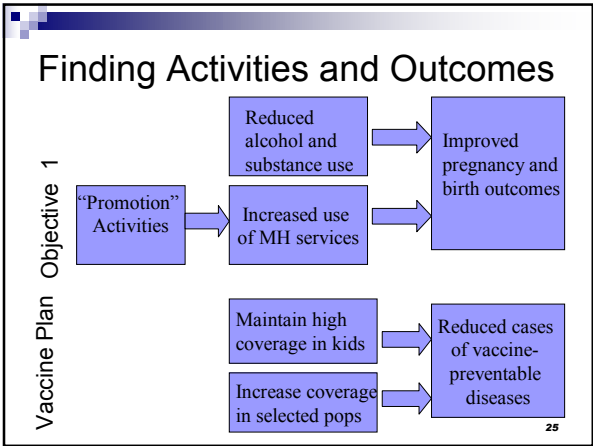
GOALS:

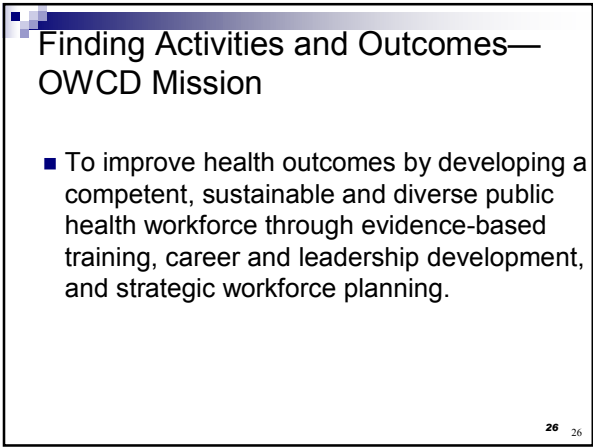
- GOAL 1:** Build a Sustainable National Environmental Public Health Tracking Network
- GOAL 2:** Enhance Environmental Public Health Tracking Workforce and Infrastructure
- GOAL 3:** Disseminate Information to Guide Policy, Practice, and Other Actions to Improve the Nation's Health
- GOAL 4:** Advance Environmental Public Health Science and Research
- GOAL 5:** Foster Collaboration Among Health and Environmental Programs

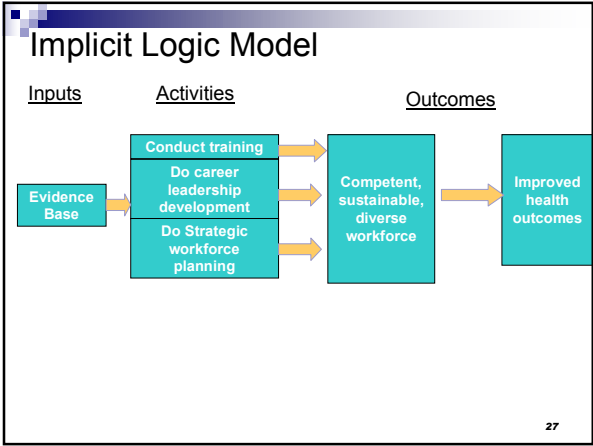
Finding Activities and Outcomes—Two Examples

- **Objective 1: Promote Healthy Pregnancy/Birth Outcomes.**
 - 1.4: Decrease alcohol, tobacco, and other substance use before, during, and after pregnancy.
 - 1.5: Promote use of mental health services for women and couples before, during, and after pregnancy.
- **Long-Term Goal: Vaccine Service Plan**
 - Vaccine-preventable disease reduction by increased vaccine coverage of selected populations and maintenance of high coverage in children

24







Identifying Org Issues from Mission— RFS Mission

- The mission of Refugee Family Services (RFS) is to support refugee women and children to achieve self-sufficiency in the U.S, by providing, education, direct services, and economic opportunity.

28 28

Using Logic Models in Planning and Evaluation

Example—Activities and
Outcomes

Constructing Logic Models: *Identify Activities and Outcomes* by....

1. Examining program descriptions, MISSIONS, VISIONS, PLANS, ETC and extracting these from the narrative, **OR**
2. **Reverse mapping**—Starting with outcomes, ask “how to” in order to generate the activities which produce them, **OR**
3. **Forward mapping**—Starting with activities, ask “so what” in order to generate the outcomes that are expected to result

30

Then...Do Some Sequencing...

- Divide the **activities** into 2 or more columns based on their **logical** sequence. Which activities have to occur before other activities can occur?
- Do same with the **outcomes**. Which outcomes have to occur before other outcomes can occur?

31

Listing Activities and Outcomes: Lead Poisoning

■ Activities

- Outreach
- Screening
- Case management
- **Referral** for medical tx
- Identification of kids with elevated lead (EBLL)
- Environmental assessment
- **Referral** for env clean-up
- Family training

■ Effects/Outcomes

- Lead source identified
- **Families** adopt in-home techniques
- **Providers** treats EBLL kids
- **Housing Authority** eliminates lead source
- **EBLL reduced**
- **Developmental “slide” stopped**
- **Q of L improved**

32

Global Logic Model: Childhood Lead Poisoning Program

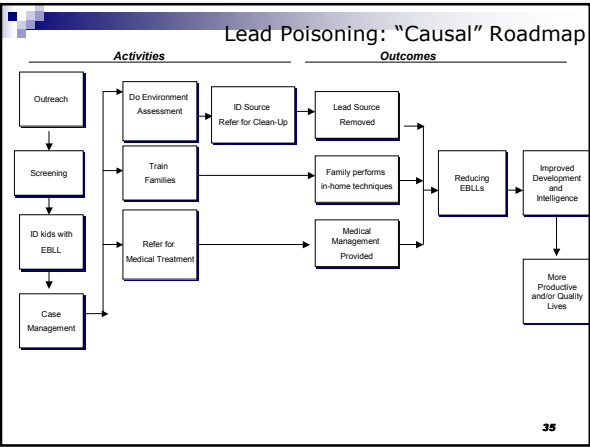
| Early Activities If we do... | Later Activities And we do... | Early Outcomes Then.... | Later Outcomes And then... |
|---------------------------------|---------------------------------------|------------------------------------|-------------------------------|
| Outreach | Refer EBLL kids for medical treatment | EBLL kids get medical treatment | |
| Screening | Train family in in-home techniques | Family performs in-home techniques | EBLL reduced |
| ID of elevated kids | Assess environment of EBLL child | Lead source identified | Develop1 slide stopped |
| Case manage EBLL kids | Refer environment for clean-up | Environment gets cleaned up | Quality of life improves |
| | | Lead source removed | |

33

For Planning and Evaluation

“Causal” Arrows Can Help

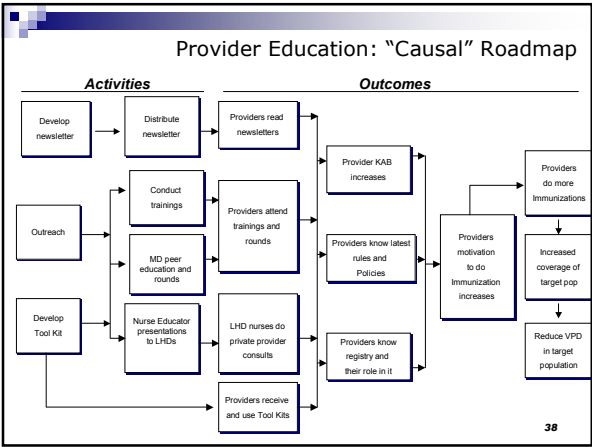
- **Not** a different logic model, but same elements in different format
- Arrows can go from:
 - **Activities to other activities:** Which activities feed which other activities?
 - **Activities to outcomes:** Which activities produce which intended outcomes?
 - **Early effects/outcomes to later ones:** Which early outcomes produce which later outcomes



Activities and Effects: Prov Ed

- **Activities**
 - Outreach to providers
 - Develop newsletters
 - Distribute newsletter
 - Immunization trainings
 - Distribute Tool Kits
 - Nurse educator presentations to LHD nurse staff
 - Physician peer educator presentations at conferences and rounds
- **Effects/Outcomes**
 - **Providers:**
 - read newsletters
 - attend trainings/rounds
 - receive/use tool kits
 - **Provider** KAB increases
 - **Providers** know latest developments and policies
 - **Providers** know registry/role
 - **Provider** motivation to immunize increases
 - **LHD** nurses do private consults with providers
 - **Providers** do more immunizations
 - Coverage among target pops increases
 - VPD in target pops reduced

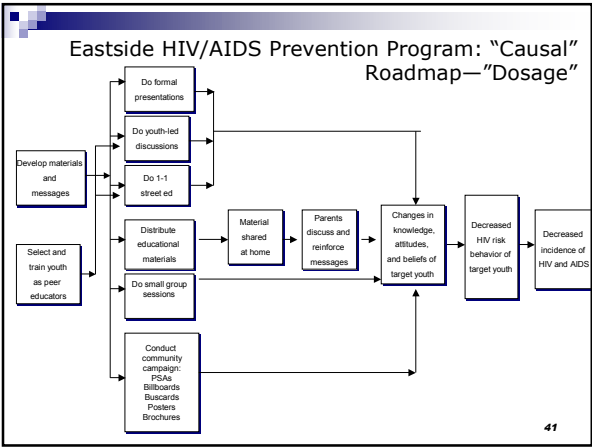
| Global Logic Model: Provider Education | | | |
|--|----------------------------------|-------------------------------------|----------------------|
| Early Activities | Later Activities | Early Outcomes | Later Outcomes |
| Do outreach to providers | Distribute newsletter | Provs read newsletters | KAB increases |
| Develop newsletter | Conduct immuno trainings | Provs attend trainings and rounds | Know policies |
| Develop Tool Kit | Nurse educator LHD presentations | Provs receive and use tool kits | Know registry |
| | Physician peer ed rounds | LHD nurses do private prov consults | Motivation increases |
| | | | Do more immuno |
| | | | Coverage increases |
| | | | VPD reduced |

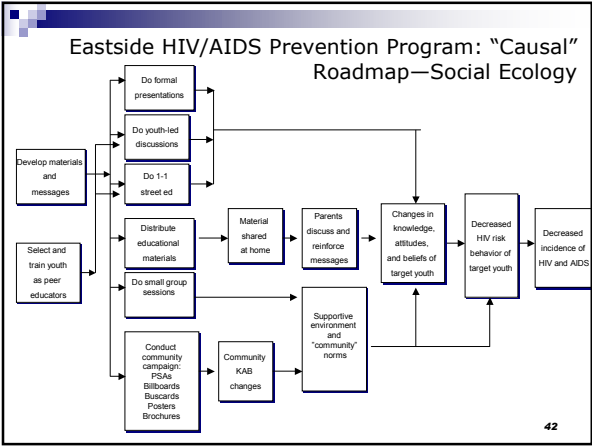


Group Exercise: *Constructing Simple Program Logic Model*

- Review list of activities and outcomes for your assigned case
- Tweak as needed and put each activity and outcome on a Post-It note.
- Place Post-it notes on 11x17 paper
- Arrange, as needed, to depict logical sequencing
- Draw lines to show causal connections

| Global Logic Model: Eastside HIV/AIDS Prevention | | | |
|--|--------------------------------------|---|--------------------------------------|
| Early Activities <i>If we ...</i> | Later Activities <i>And we...</i> | Early Outcomes <i>Then....</i> | Later Outcomes <i>And then...</i> |
| Develop materials and messages | Do formal presentations | Educational materials are brought home and shared | Reduced HIV risk behavior |
| Select and train youth as peer educators | Do group discussions | Change in knowledge about HIV and AIDS | Reduced incidence of HIV |
| | Distribute educational material | Change in attitudes and beliefs | |
| | Do youth-led education | | |
| | Do 1-1 street education | | |
| | Conduct community campaign: PSAs | | |
| | Buscards/billboards | | |
| | Posters/brochures | | |





Using Logic Models in Planning and Evaluation

Elaborating Our Program “Theory”—Mediators

Program Theory and Logic Models—Two Schools of Thought

- Any logic model is a program theory **versus.**
- Program theory as a disciplined “test” to validate and elaborate initial logic models

44

Mediator Relationships—Issue 1:
Filling in the Blanks

This?

Activities

→

Outcome

Or this?

Activities

→

Mediating Outcome

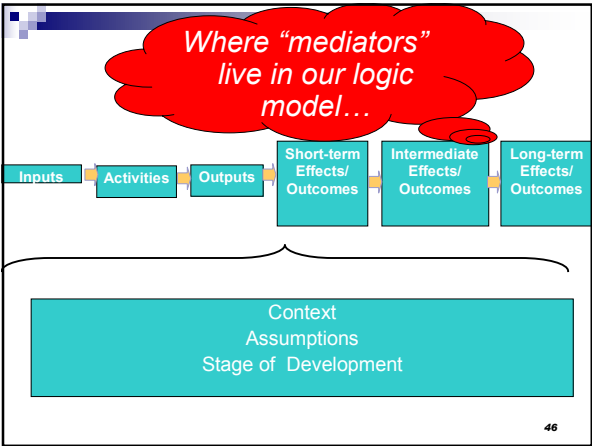
→

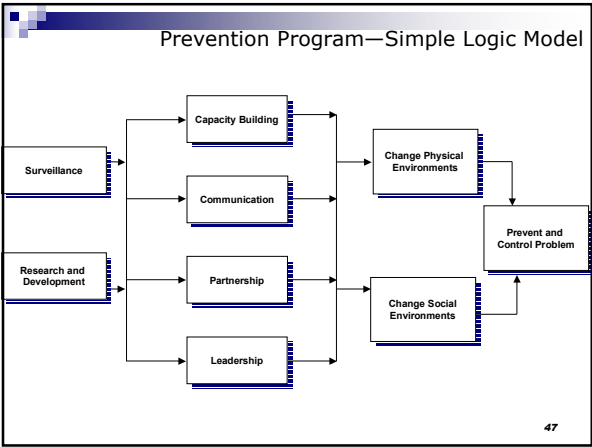
Mediating Outcome

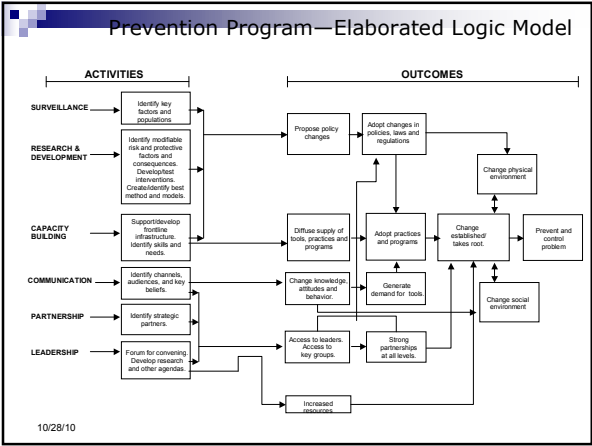
→

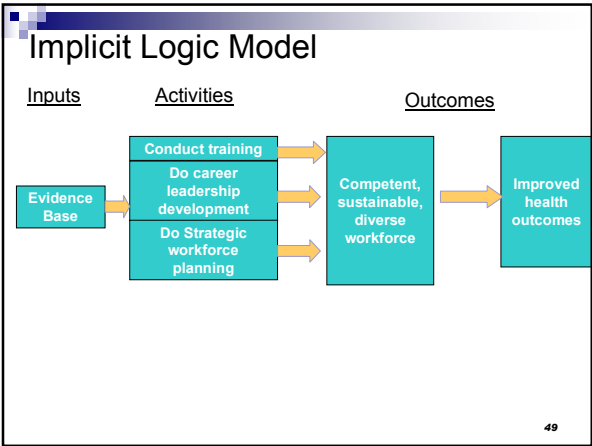
Outcome

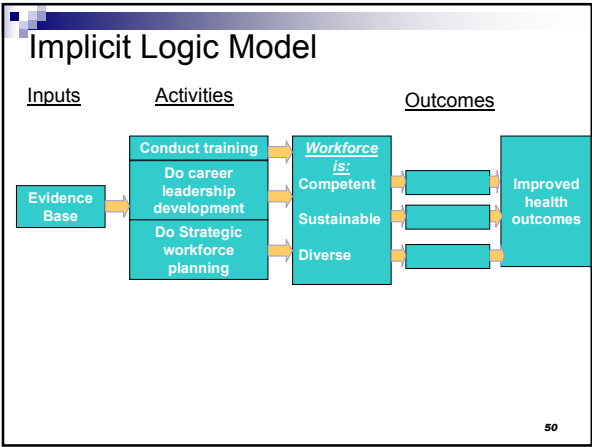
45

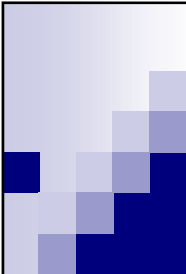






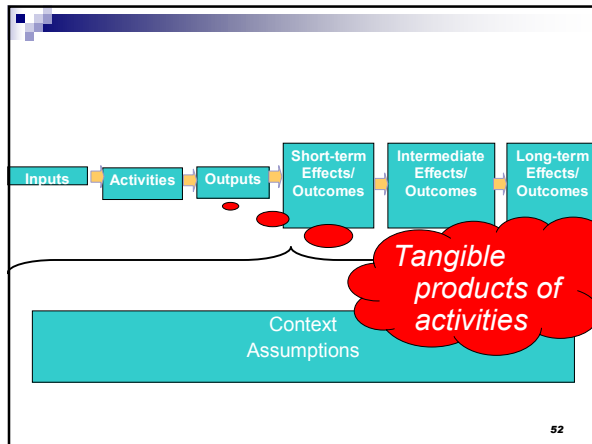






Using Logic Models in Planning and Evaluation

Elaborating Our Program “Theory”—Outputs, Inputs, and Moderators



Lead Poisoning: Sample Outputs

- Pool (#) of eligible kids
- Pool (#) of screened kids
- Referrals (#) to medical treatment
- Pool (#) of assessed homes
- Referrals (#) for clean-up

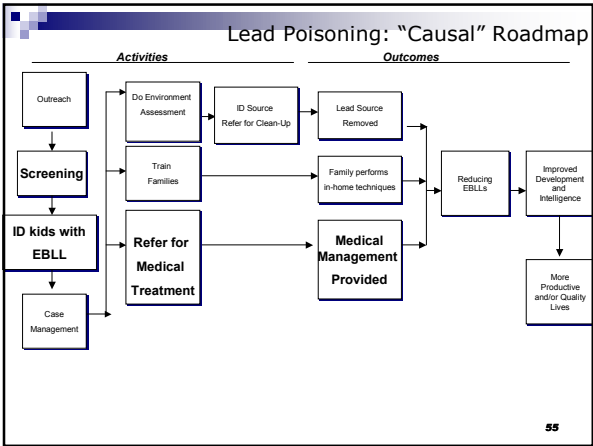
53

Doing the Right Things Right!

What Does “Good Training” Mean?

- Fidelity—reflect our “gold standard” plan?
- Reach—get to the “right” people?
- Penetration—get to enough of the “right” people?
- Exposure/Dose—give targets “enough” of our program to cause change?
- Staff/Target Match—delivered by “right” staff?

54 54



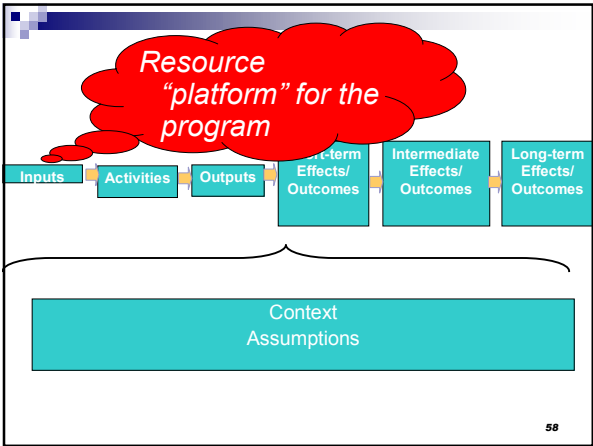
Lead Poisoning: "Upgraded" Outputs

- Pool (#) of screened kids (*meeting likely risk profile*)
- Pool (#) of eligible kids (*with lead level >XXd/ul*)
- Referrals (#) to (*qualified or willing*) medical treatment providers
- Pool (#) of assessed (*"leaded"*) homes
- Referrals (#) for clean-up (*to qualified or willing orgs*)

56

| Global Logic Model: Childhood Lead Poisoning Program | | | | |
|--|------------------------------------|---|------------------------------------|--------------------------|
| Early Activities | Later Activities | Outputs | Early Outcomes— | Later Outcomes |
| Outreach | | (#) of eligible kids meeting risk profile | EBLL kids get medical treatment | EBLL reduced |
| Screening | | (#) screened kids with lead < threshold | Family performs in-home techniques | Develop'l slide stopped |
| ID of elevated kids | Refer for medical tx | (#) referrals to qualified medical tx | Lead source identified | Quality of life improves |
| Do case mgmt | Train family in in-home techniques | (#) of families completing training | Environ cleaned up | |
| | Assess environ't | (#) of "leaded" homes | Lead source removed | |
| | Refer house for clean-up | (#) referrals to qualified clean-up | | |

57



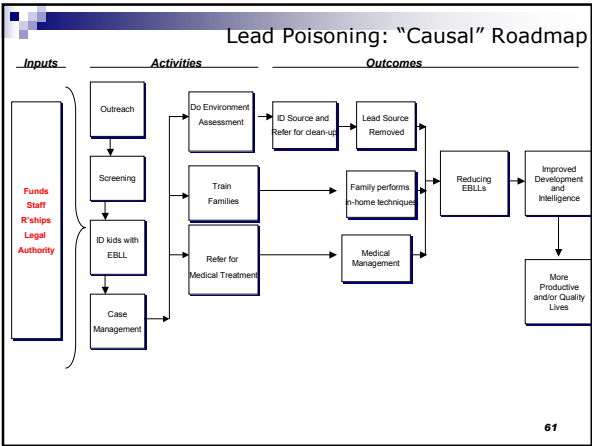
Lead Poisoning: Sample Inputs

- Funds
- Trained staff
- Legal authority to screen
- Relationships with orgs for med tx and env clean-up

59

| Global Logic Model: Childhood Lead Poisoning Program | | | | | |
|--|---------------------|------------------------------------|---|------------------------------------|--------------------------|
| Inputs | Early Activities | Later Activities | Outputs | Early Outcomes— | Later Outcomes |
| Funds | Outreach | | (#) of eligible kids meeting risk profile | EBLL kids get medical treatment | EBLL reduced |
| Trained staff | Screening | | (#) screened kids with lead < threshold | Family performs in-home techniques | Develop'l slide stopped |
| R'ships with orgs for med tx and clean up | ID of elevated kids | Refer for medical treatment | (#) referrals to qualified medical tx | Lead source identified | Quality of life improves |
| Legal authority | Do case mgmt | Train family in in-home techniques | (#) of families completing training | Environ cleaned up | |
| | | Assess environ't | (#) of "leaded" homes | Lead source removed | |
| | | Refer house for clean-up | (#) referrals to qualified clean-up | | |

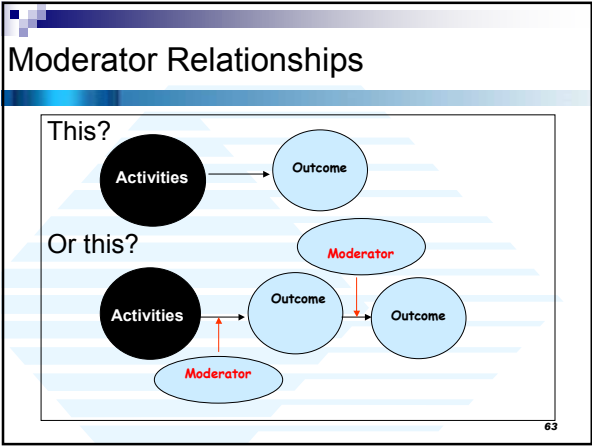
60

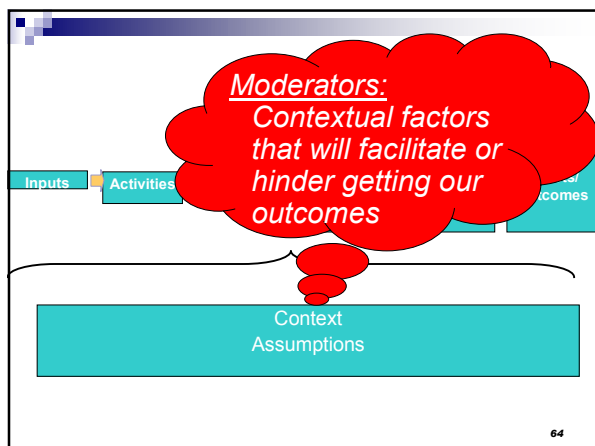


Moderators

- Is the relationship between activities and outcomes always the same, **OR**
- Are there characteristics of the situation or participant that influence the amount or intensity of the intended outcome produced?

62





Contextual Factors

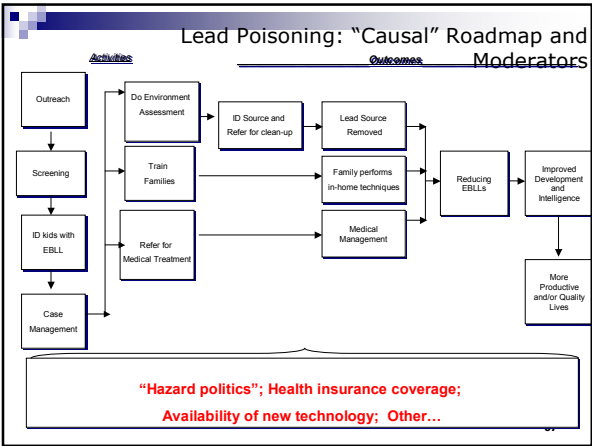
- Political
- Economic
- Social
- Technological

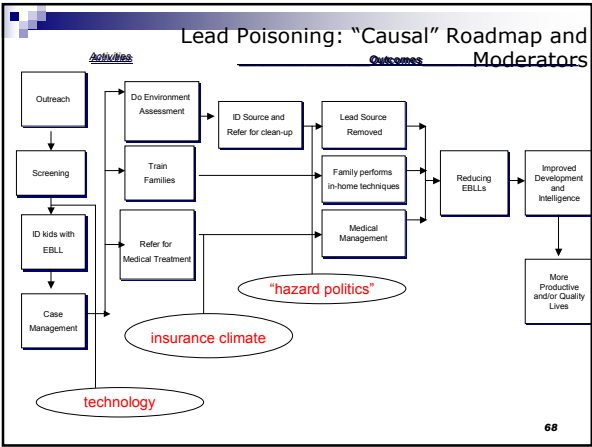
65

Moderators—Lead Poisoning

- Political—*“Hazard” politics*
- Economic—*Health insurance*
- Technological—*Availability of hand-held technology*

66





Note!

Logic Models make the program theory **clear**, not **true**!

Avoiding “garbage in, garbage out” in your logic model—An inductive approach

Continuous Quality Improvement (CQI) cycle.

- **Planning**—What actions will best reach our goals and objectives.
- **Performance measurement**—How are we doing?
- **Evaluation**—Why are we doing well or poorly?



70

Avoiding “garbage in, garbage out”—Thinking about accuracy from the start

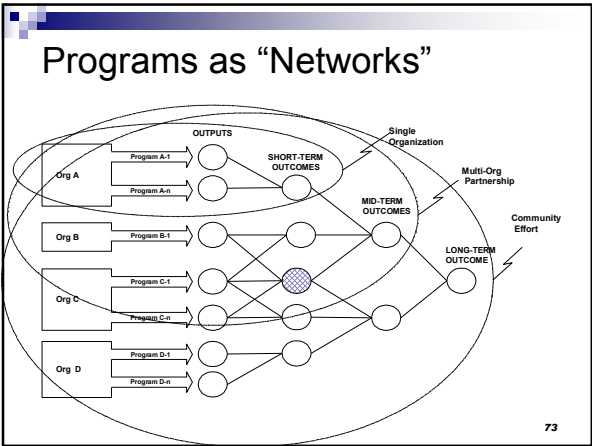
- Pay attention to the link between activities and things that “bound” them.
- Does my program make sense given:
 - **Context**
 - **Assumptions**
 - **Resources**

71

How Detailed?

- Function of purpose of the logic model
 - Stakeholders—global view alone
 - Managers—detailed action plans
- BUT, view collection of models as a related family--“nested” models
- Not different models, but each an elaboration of level above

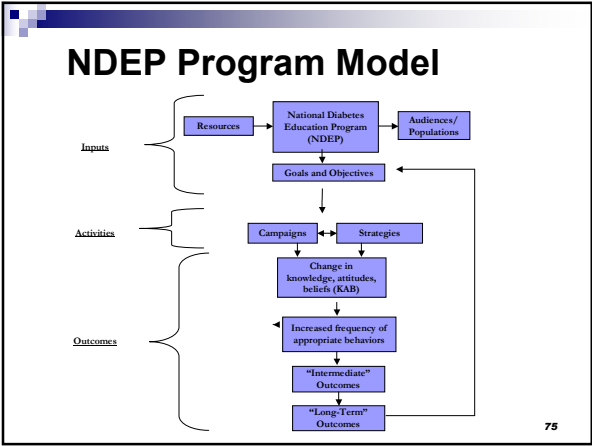
72

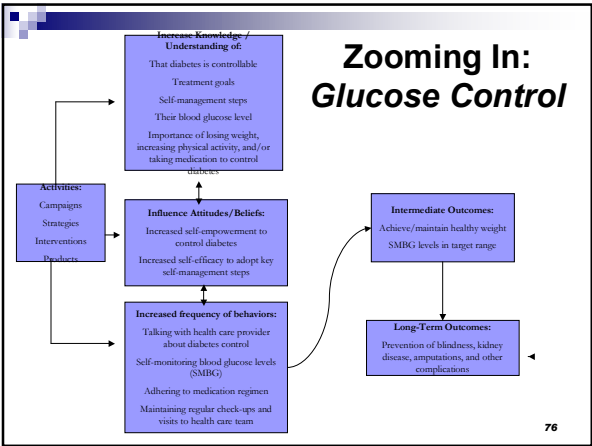


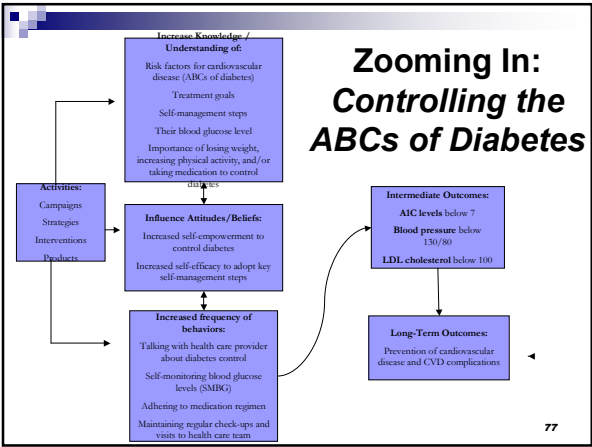
How Detailed?

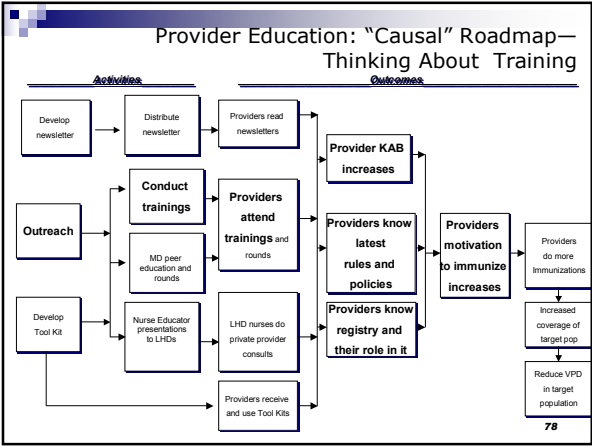
- Function of purpose of the logic model
 - Stakeholders—global view alone
 - Managers—detailed action plans
- BUT, view collection of models as a related family--“nested” models
- Not different models, but each an elaboration of level above

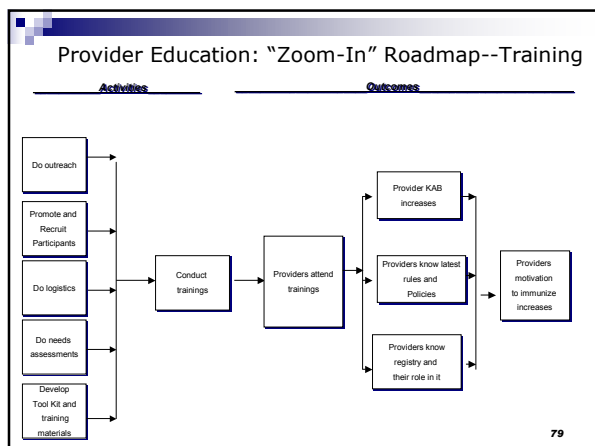
74











Using Logic Models in Planning and Evaluation

Recap—Components of Logic Models

Key Take-Away Points

1. Never need an LM, always need a program description
2. Many LM formats work—match choice to situation
3. A little bit of LM goes a long way
4. LM's make programs clear, not true

81 81

More Key Take-Away Points

1. LMs work with or without an evidence base
2. LMs can be used prospectively or retrospectively
3. PROCESS USE is sometimes the big yield
4. Activities and outcomes yield much insight
5. But, other components add value WHEN used right

82 82

Outputs

1. What they tell us: Not just quantity but quality; what does it mean to do our activities “right”?
2. Prospective Use: Clarifies what level of quality intensity is needed; may cause us to rethink or rescale program
3. Retrospective: First focus for our process evaluation

83 83

Eastside: Outputs

1. # of peer educators who have completed training; # who meet demog of targeted at risk youth
2. % of busses with pre-tested buscards; % of “right” routes with busses with buscards
3. # of 1:1 street encounters with kids meeting high risk profile; % of street encounters with an “intake” or profile completed
4. # of materials distributed directly to parents; % of materials pre-tested for acceptability with parents

84 84

Inputs

1. What they tell us: Resource platform needed to mount our program; “killer assumptions”
2. Prospective Use: Add activities to assure inputs; implement only where inputs in place; forge ahead to sure failure
3. Retrospective Use: Include “errant” inputs in the evaluation; validate problem for “next time”; document efforts to attain inputs

85 85

Eastside: Inputs


1. Approval from school board
2. Approval from buscompany
3. Prior (sufficient) info on community norms, demog, values
4. Prior (sufficient) inventory of relevant and useful materials

86 86

Moderators

1. What they tell us: Context factors (P-E-S-T) that need to be aligned for activities→ outcomes; “killer assumptions”
2. Prospective Use: Add activities to remove bad/assure good context; implement only where moderators supportive; “work around”; forge ahead to sure failure
3. Retrospective Use: Include “errant” moderators in the evaluation; validate problem for “next time”


87 87



Eastside: Moderators


1. Political:
 1. Parent-school board/school r'ship
 2. Health dept/school r'ship
 3. Testing mania
2. Economic:
 1. Car/bus ridership
3. Social
 1. Norms/values about risk behaviors and solutions
 2. Literacy/language
4. Technological/Other
 1. Condom/clean needle access

88 88



Using Logic Models in Planning and Evaluation

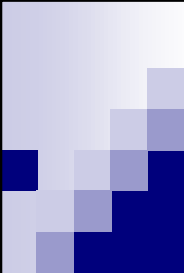
Putting Your Logic Model to Use



Informs Two Steps in CDC Eval F'work


- **In F'work Step 1. Engage Stakeholders:**
 - ☐ Who are major stakeholders for our efforts?
 - ☐ Where in this model do they want to see success?
 - ☐ Who needs to be engaged upfront to ensure use of results?
- **In F'work Step 3. Setting Eval Focus:**
 - ☐ Today, 1 year, 5 years, 10 years, where in the model should I be measuring changes?
 - ☐ If no change, where should I look for problems?

90



Using Logic Models in Planning and Evaluation


Step 1. Engaging Stakeholders



Who are Stakeholders?


- Three major groups:
 - Those served or affected by the program
 - Those involved in program operation
 - Primary intended users of the evaluation findings

92



Which S'holders Matter Most?

Who is:
Affected by the program?
Involved in program operations?
Intended users of evaluation findings?



Of these, who do we most need to:
Enhance credibility?
Implement program changes?
Advocate for changes?
Fund, authorize, expand program?

93

What Unique Needs/Preferences Do They Have....

Might agree/disagree on:

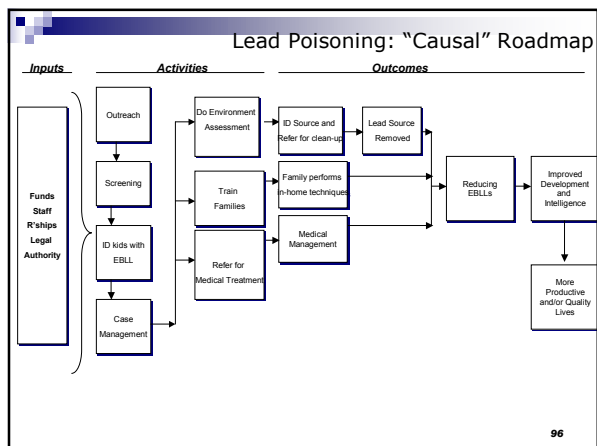
- The activities and outcomes depicted?
- The “roadmap”?
 - Which outcomes in roadmap = program “success”?
 - How *much* progress on outcomes = program “success”?
 - Choices of data collection/analysis methods?

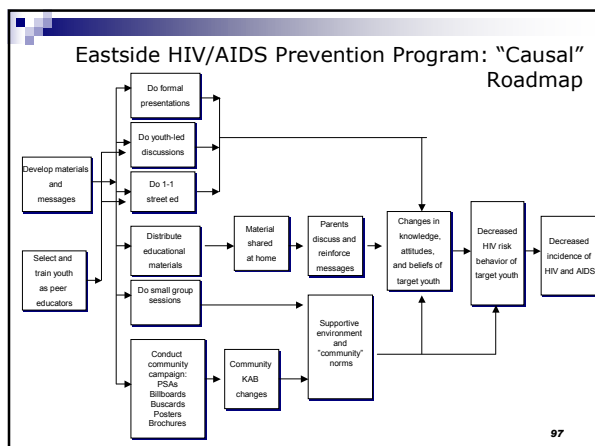
94

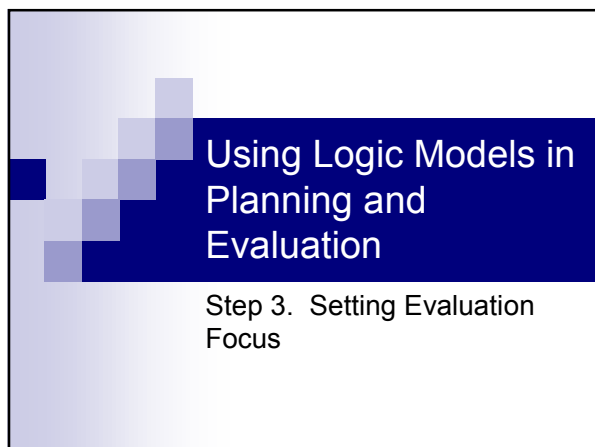
Case Exercise—Stakeholders

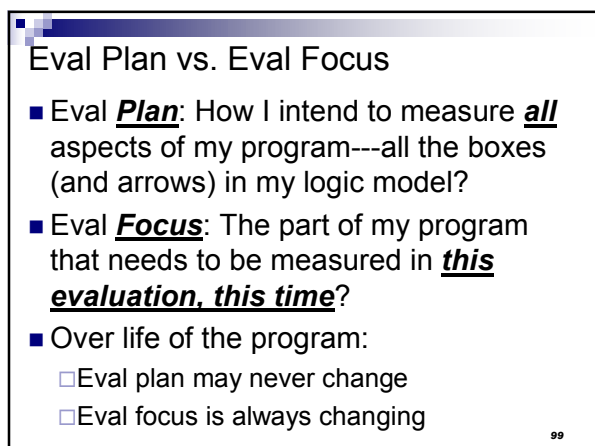
- We need [*this stakeholder*]...
- To provide/enhance our [*any/all of: credibility, implementation, funding, advocacy*]...
- And, to keep them engaged as the project progresses...
- We'll need to demonstrate [*which selected activities or outcomes*].

95









Evaluation Can Be About Anything

- Evaluation can focus on any/all parts of the logic model
- Evaluation questions can pertain to
 - Boxes---did this component occur as expected
 - Arrows---what was the relationship between components

100

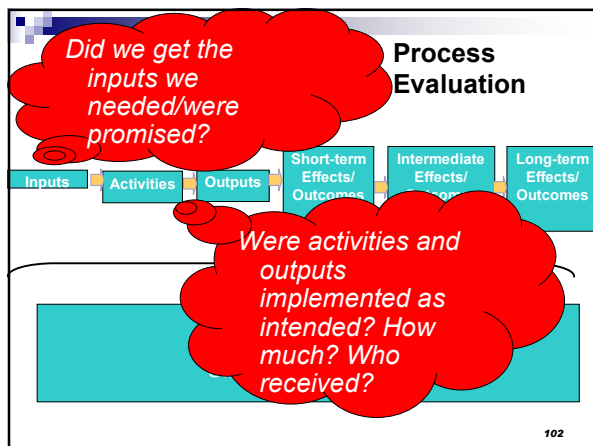
Phases and Types of Evaluation

| Program Stage | Before Program Begins | New Program | (More) Established Program | Mature Program |
|------------------------|--|--------------------------------------|--|---|
| Phase | FORMATIVE | | SUMMATIVE | |
| Evaluation Type | Needs Assessment | Process Evaluation | Outcome Evaluation | Impact Evaluation |
| (Some) Questions Asked | To what extent is the need being met? What can be done to address this need? | Is the program operating as planned? | Is the program achieving its short-term outcomes/objectives? | Is the program achieving its long-term outcomes and impacts?? |

Source: Based on slides from Jennifer Nichols, Porter Novelli

101

Process Evaluation



102

Outcome Evaluation

Inputs

Activities

Outputs

Short-term Effects/ Outcomes

Intermediate Effects/ Outcomes

Long-term Effects/ Outcomes

Which outcomes occurred? How much outcome occurred

Development

103

Efficiency Evaluation

Inputs

Activities

Outputs

Short-term Effects/ Outcomes

Intermediate Effects/ Outcomes

Long-term Effects/ Outcomes

(How) was implementation quality related to inputs?

Development

104

Causal Attribution

Inputs

Activities

Outputs

Short-term Effects/ Outcomes

Intermediate Effects/ Outcomes

Long-term Effects/ Outcomes

Did outcomes occur because of our activities and outputs?

Development

105

Setting Focus: Some Rules

Based on “utility” standard:

- **Purpose:** Toward what end is the evaluation being conducted?
- **User:** Who wants the info and what are they interested in?
- **Use:** How will they use the info?

106

Step 1 Helps Here...

From Step 1:

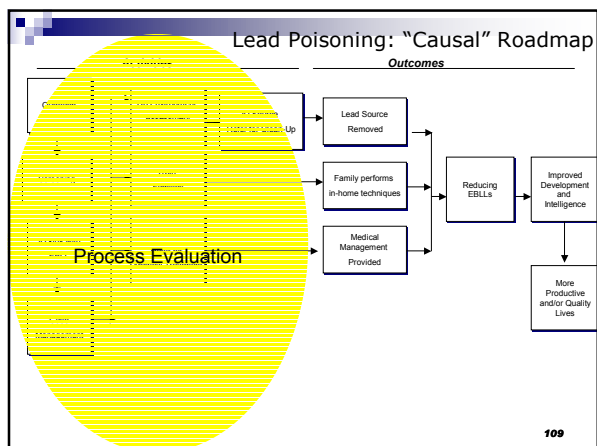
- What are key stakeholders most interested in?
- Must I address their needs in the focus for THIS evaluation?

107

(Some) Potential Purposes/ Uses

- **Show accountability**
- Test program implementation
- “Continuous” program improvement
- Increase the knowledge base
- Other...
- Other...

108



Process Evaluation

- The type and quantity of services provided
- The number of people receiving services
- What actually happens during implementation
- How much money the project costs
- The staffing for services/programs
- The number of coalition activities and meetings
- Assessment of program fidelity

110

Process Evaluation

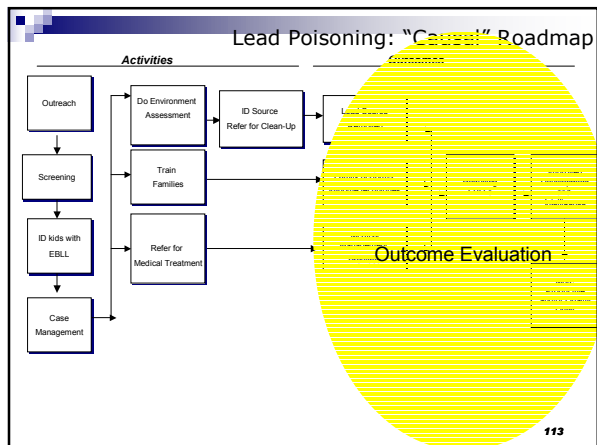
- The type and quantity of services provided
- The number of people receiving services
- What actually happens during implementation
- How much money the project costs
- The staffing for services/programs
- The number of coalition activities and meetings
- Assessment of program fidelity

111

(Some) Potential Purposes

- Test program implementation
- **Show accountability**
- **“Continuous” program improvement**
- Increase the knowledge base
- Other...
- Other...

112



Outcome Evaluation

- Results of program services
- Changes in individuals
 - ☐ Knowledge/awareness
 - ☐ Attitudes
 - ☐ Beliefs
- Changes in the environment
- Changes in behaviors
- Changes in disease trend

114

“Reality Checking” the Focus

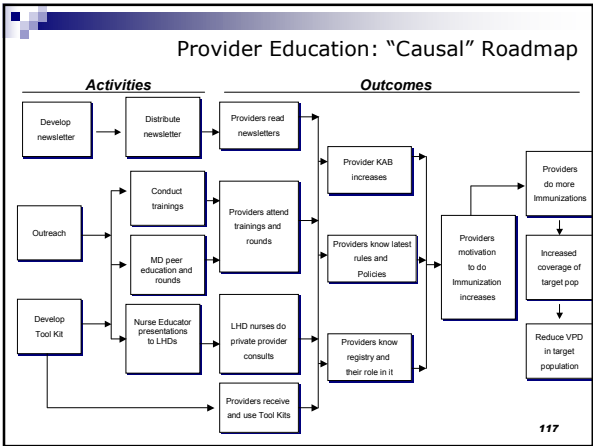
Based on “feasibility” standard:

- **Stage of Development:** How long has the program been in existence?
- **Program Intensity:** How intense is the program? How much impact is reasonable to expect?
- **Resources:** How much time, money, expertise are available?

115

| Global Logic Model: Provider Education | | | |
|--|----------------------------------|-------------------------------------|----------------------|
| Early Activities | Later Activities | Early Outcomes | Later Outcomes |
| Do outreach to providers | Distribute newsletter | Provs read newsletters | KAB increases |
| Develop newsletter | Conduct immuno trainings | Provs attend trainings and rounds | Know policies |
| Develop Tool Kit | Nurse educator LHD presentations | Provs receive and use tool kits | Know registry |
| | Physician peer ed rounds | LHD nurses do private prov consults | Motivation increases |
| | | | Do more immuno |
| | | | Coverage increases |
| | | | VPD reduced |

116



117

Some Evaluation Scenarios

- **Scenario 1:** At Year 1, other communities want to adopt your model but want to know “what are they in for”

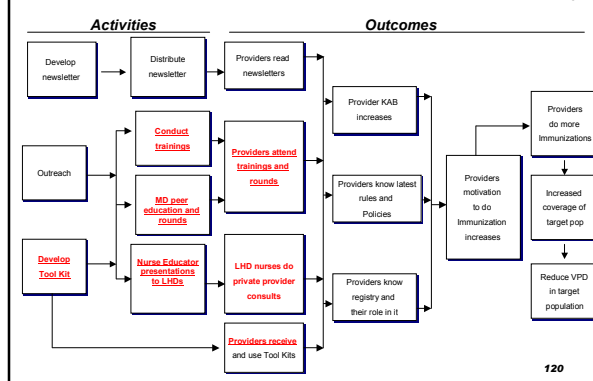
118

Scenario 1:

- **Purpose:** Examine program implementation
- **User:** The “other community”
- **Use:** To make a determination, based on your experience, whether they want to adopt this project or not

119

Provider Education: “Causal” Roadmap



120

Some Evaluation Scenarios

- **Scenario II:** At Year 5, declining state revenues mean you need to justify to legislators the importance of your efforts so as to continue funds.

121

Scenario 2:

Purpose: Determine program impact

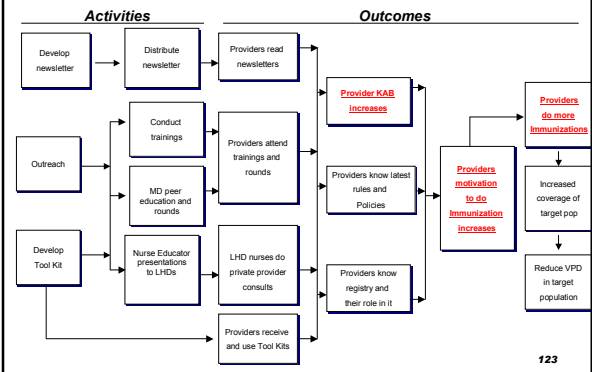
User: Your org and/or the legislators

Use:

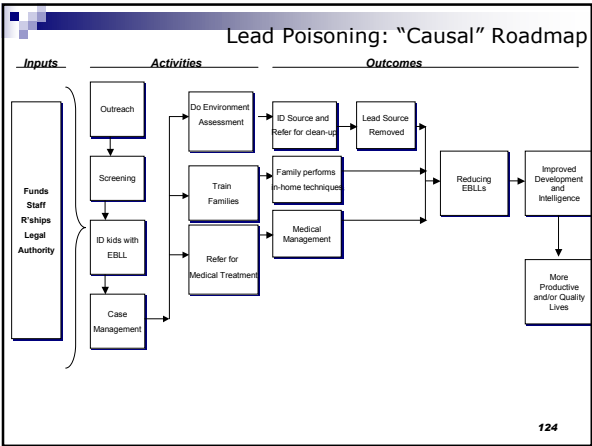
- You want to muster evidence to prove to legislators you are effective enough to warrant funding, or
- Legislators want you to show evidence that proves sufficient effectiveness to warrant funding

122

Provider Education: "Causal" Roadmap



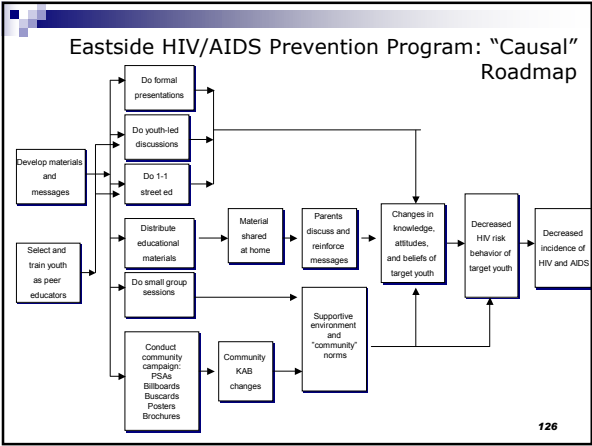
123

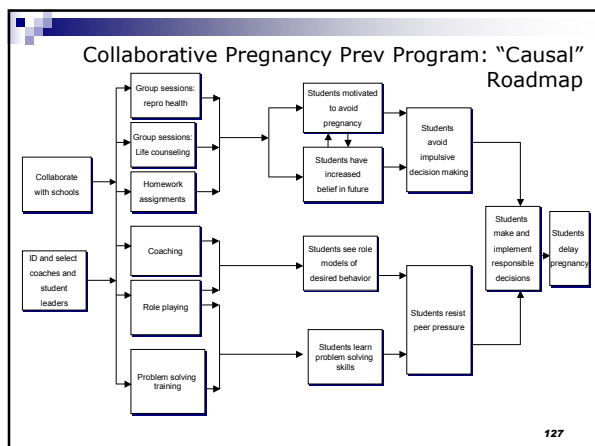


Group Exercise:
Evaluation Focus

1. *User*
2. *Purpose/Use*
3. *These parts of the logic model are in the focus to meet purpose/use...*
4. *Some specific questions...*
5. *Is this focus feasible given stage, intensity, resources?*

125





Taking Stock...What We've Done:

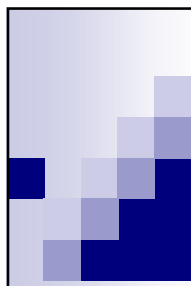
- Clarified relationship of activities and outcomes
- Identified inputs, outputs, and moderators
- Ensured clarity and consensus with stakeholders
- Helped identify a focus for my evaluation

128

Taking Stock...What's Next:


- Elaborate evaluation questions
- Write indicators
- Affirm evaluation design
- Choose data collection sources and methods
- Define data analysis plan
- Determine how best to report findings to ensure use

129



Using Logic Models in Planning and Evaluation

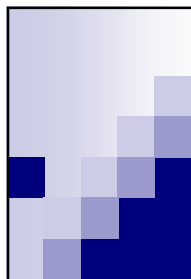
Putting Your Logic Model to
Use in Program Planning



By Clarifying Sequence of Activities → Outcomes...

- Helps you identify/refine/affirm:
 - ☐ Mission/vision
 - ☐ Goals/objectives
 - ☐ Most important intended outcomes—the “staked claim”
 - ☐ Strategy/workplan
 - ☐ “Critical path”
 - ☐ Key strategic issues

131



Defining Your “Vision” and “Mission”

Logic Models and Program Mission and Vision

- Vision—How the world will be different because of our program. i.e. “A world without...”
[Look in the distal side of the model]
- Mission—What major levers we will employ to change the world.
[Look at the intermediate outcomes and major activities to achieve them]¹³³

Traditional Program Logic Model

Vision—the “ideal state” of the world we aspire to, and the big lever we hope to influence

```
graph LR; Inputs --> Activities --> Outputs --> Short-term[Short-term Outcomes] --> Intermediate[Intermediate Outcomes] --> Long-term[Long-term Outcomes/Impacts]; Vision((Vision)) --- Long-term;
```

What the program needs... What the program does... Who/what will change as a result of the program?

134

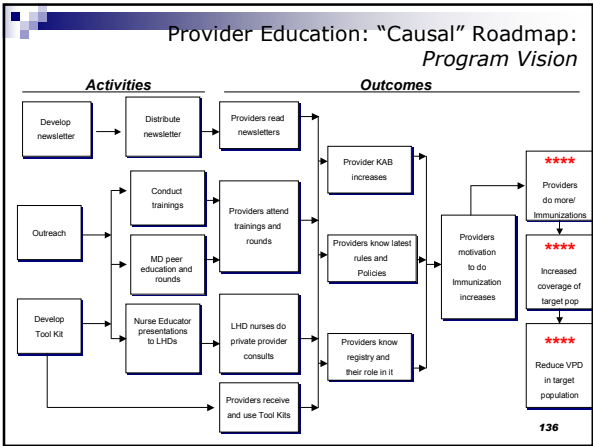
Traditional Program Logic Model

*Mission—two components: the purpose for which we were created, **and**, the big areas we deploy to make a difference*

```
graph LR; Inputs --> Activities --> Outputs --> Short-term[Short-term Outcomes] --> Intermediate[Intermediate Outcomes] --> Long-term[Long-term Outcomes/Impacts]; Mission1((Mission)) --- Activities; Mission2((Mission)) --- Short-term;
```

What the program needs... What the program does... Who/what will change as a result of the program?

135



Logic Models and Program Mission and Vision

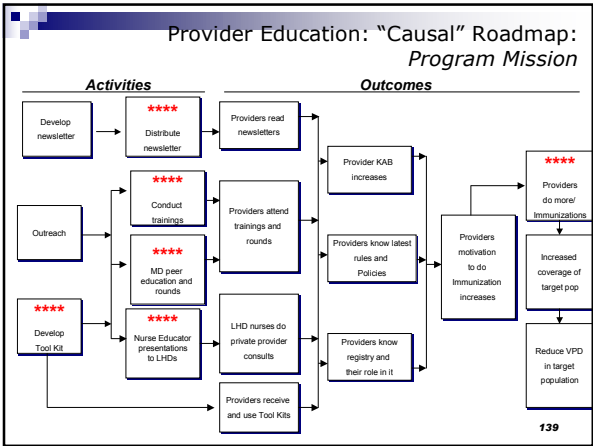
- Vision—VPDs are eliminated because providers ensure good vaccine coverage

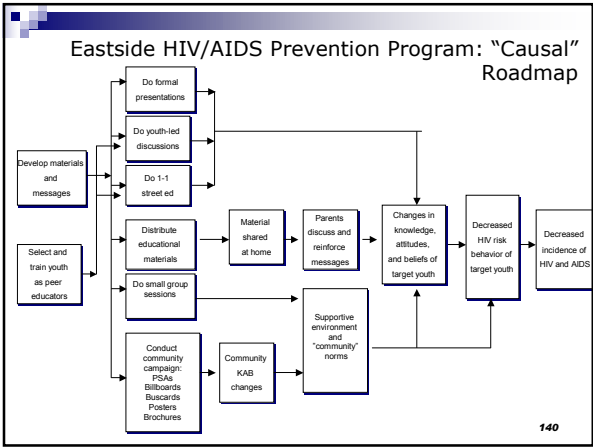
137

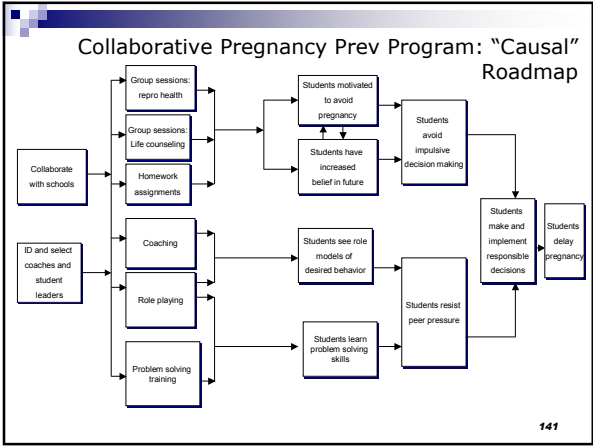
Logic Models and Program Mission and Vision

- Mission—Providers ensure good vaccine coverage because our program provides the information, training, and role models needed to educate and motivate them

138







Defining Goals and Objectives

These must be integrated...

■ Continuous Quality Improvement (CQI) cycle.

□ **Planning**—*What* actions will best reach our goals and objectives.

□ **Performance measurement**—How are we doing?

□ **Evaluation**—*Why* are we doing well or poorly?

What do we do?

Why are we doing well or poorly?

How do we do it?

How are we doing?

143

Traditional Program Logic Model—A Program “Roadmap”

Inputs

Short-term Outcomes/Impacts

Long-term Outcomes/Impacts

Strategies

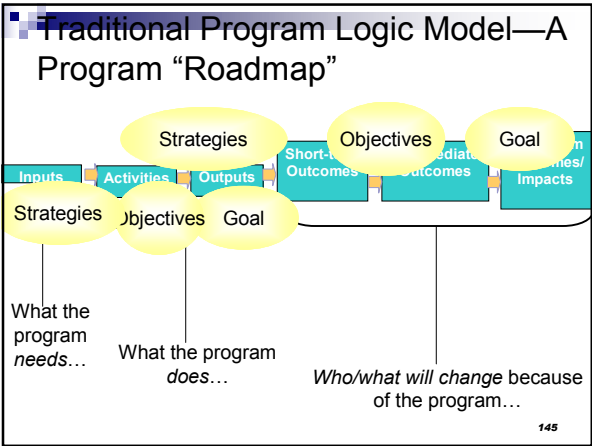
Objectives

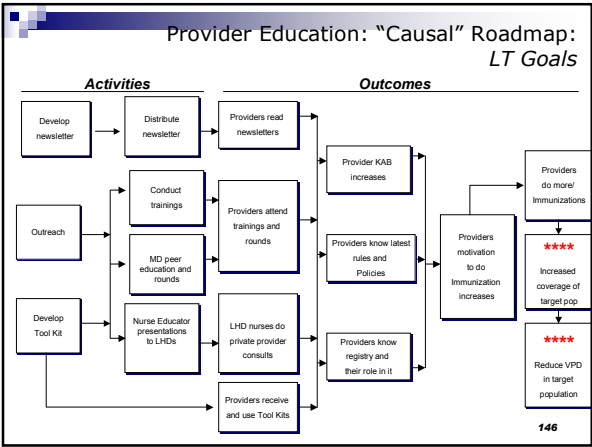
Goals

What the program needs...

use

144

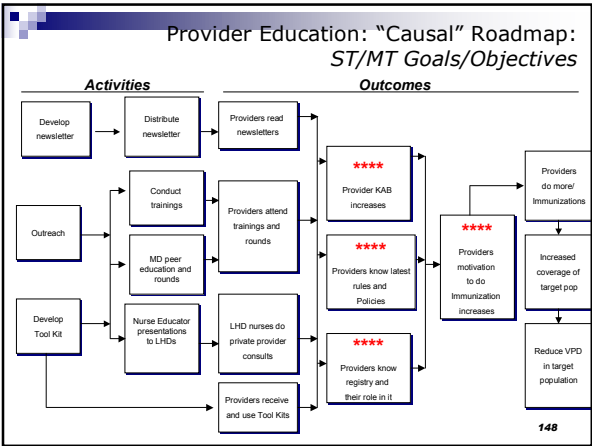




And Now in Narrative...

- To make a significant reduction in incidence of vaccine preventable diseases in targeted populations by making substantial increases in vaccine coverage in these same populations, *OR*
- To reduce VPD by 50% by 2010 in [name] target groups by increasing vaccine coverage to 85% in these groups by 2008.

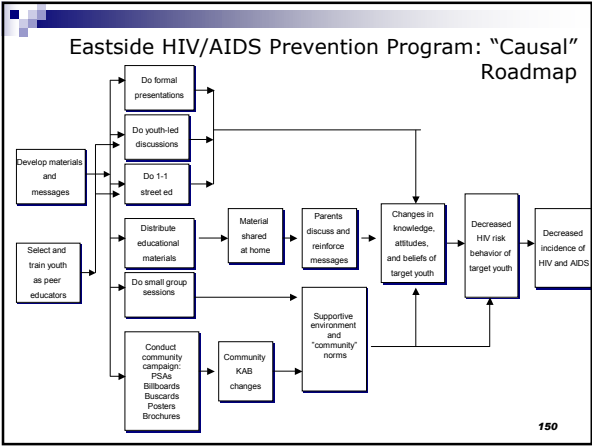
147

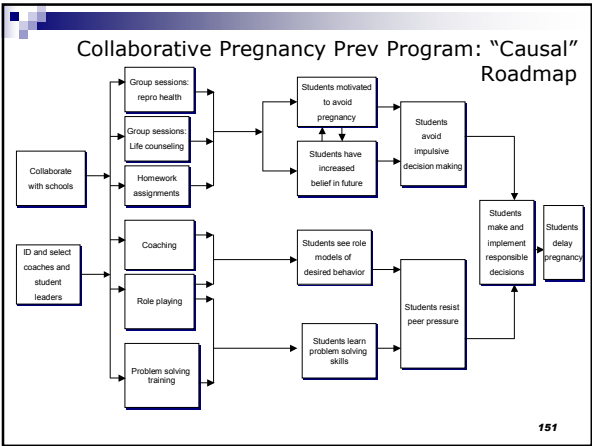


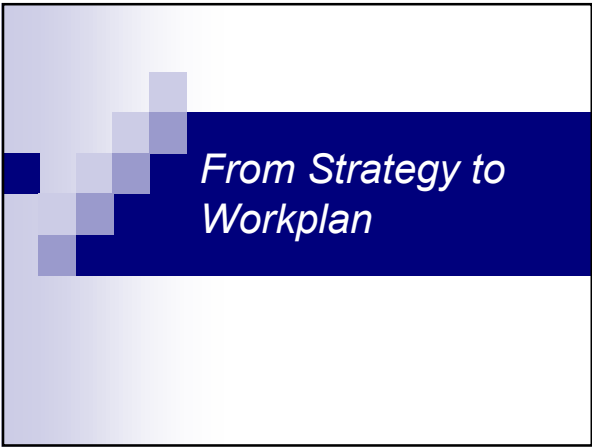
And Now in Narrative...

- By 2008, to increase to 50% the percentage of immunizations for [named target] VPDs administered by private physicians.
- By 2006, to increase to 85% the percentage of primary care physicians who:
 - Have appropriate levels of KAB regarding need and proper administration of [named] vaccines.
 - Know the content of our state's rules and regulations regarding administration of [named] vaccines
 - Express intent to offer and to administer vaccines to appropriate patients presenting at their practice

149



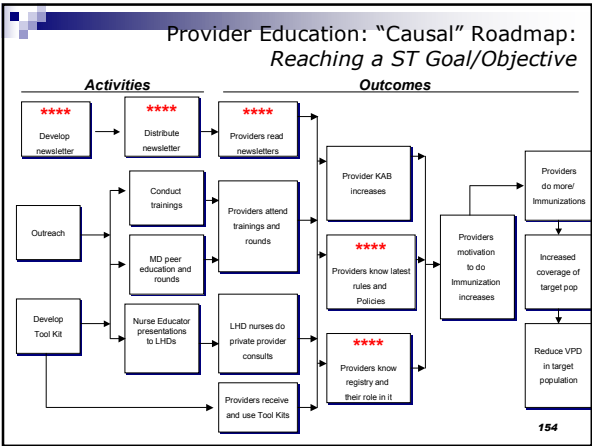


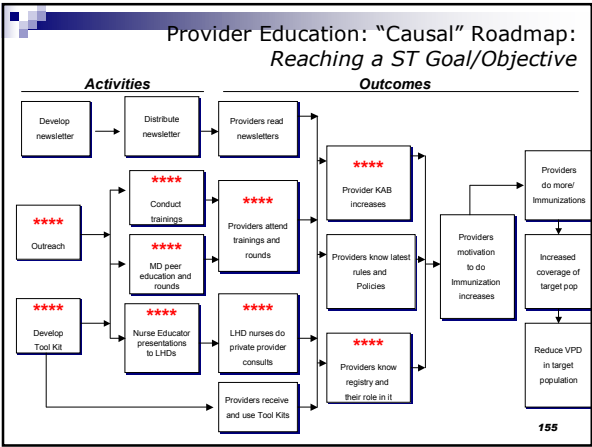


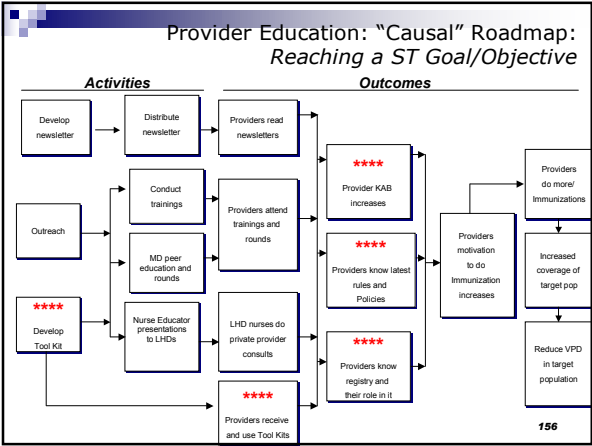
Models are Roadmaps...

- Just as model shows how ST/MT goals (objectives) lead to LT ones and how....
- Model also shows what activities need to be in place to meet my ST/MT goals (objectives)

153





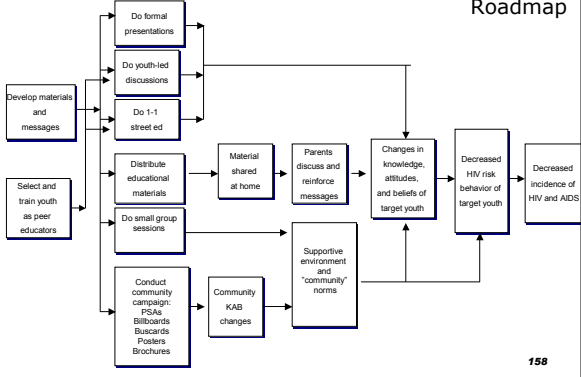


An Example in Narrative...

- By 2006, 80% of targeted primary care physicians will acknowledge receipt of a tool kit and 50% will have used it:
 - By end of 2004, develop and pre-test tool kit with target audience of PCPs
 - By end of 2005, distribute tool kit to all PCPs in our state who practice in areas with high percentages of [named] target population

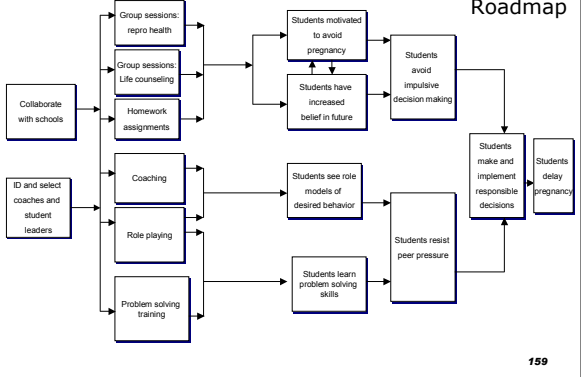
157

Eastside HIV/AIDS Prevention Program: "Causal" Roadmap

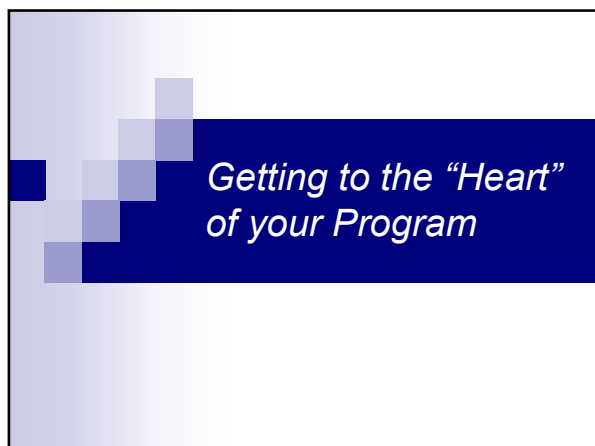


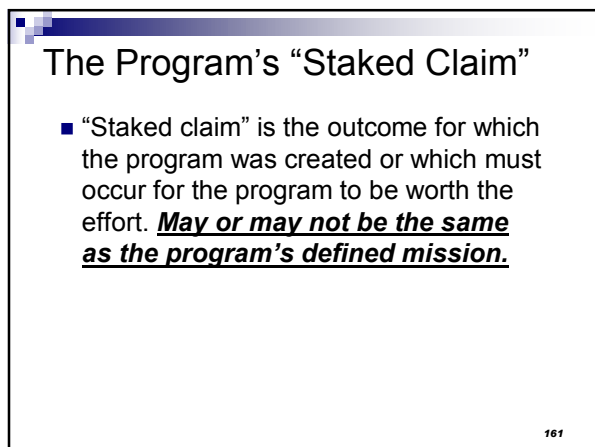
158

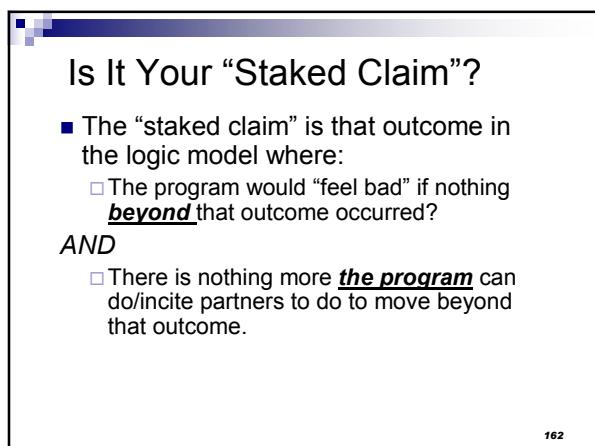
Collaborative Pregnancy Prev Program: "Causal" Roadmap



159





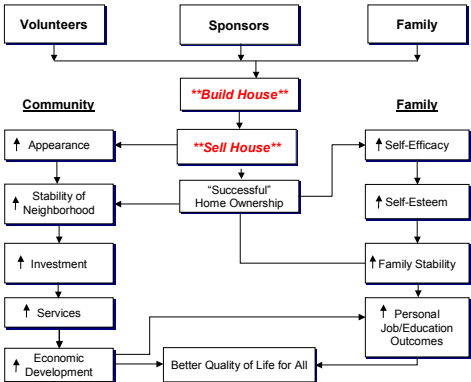


Choosing Key Outcomes— “Staking Our Claim”

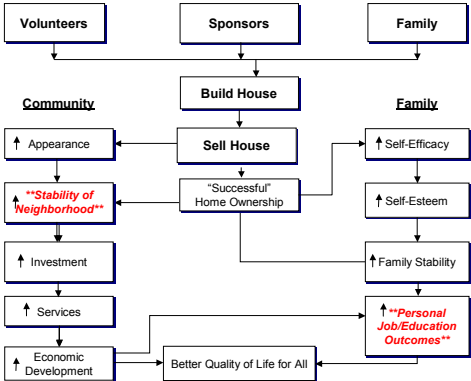
- Want to include outcome(s) that is (are):
 - Relevant**—sufficiently **“downstream”** to matter to stakeholders
 - Responsive**—sufficiently **“upstream”** that program’s efforts can be expected to make a difference

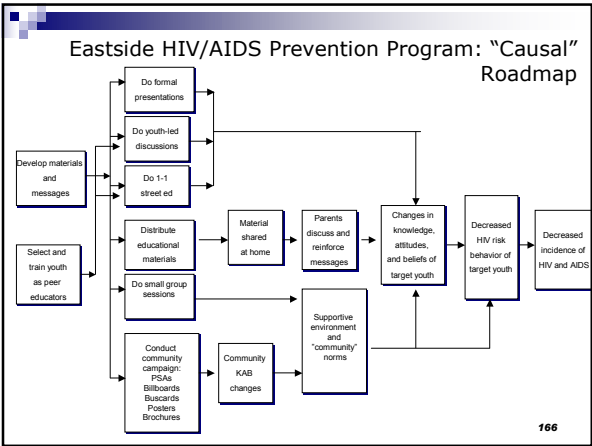
163

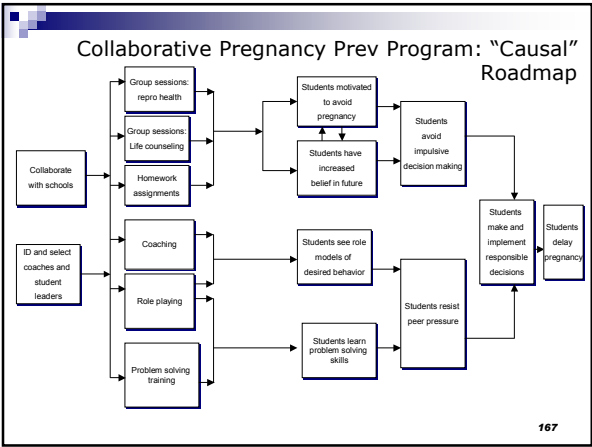
Habitat for Humanity: *The full story: The mission...*



Habitat for Humanity: *The “staked claim”...*







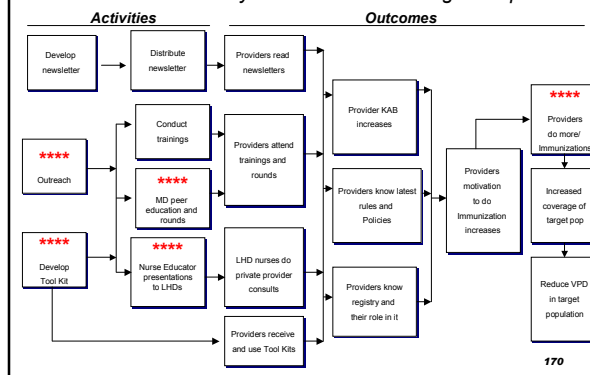
Identifying Your Priority Path

What Is My “Priority Path”?

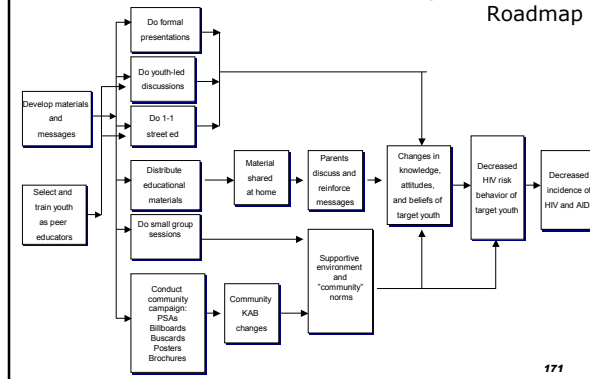
- “Staked claim” gives clarity on where you need to get to be “successful”
- But roadmap is a large landscape
- Critical path—If I can’t do it all, which path(s):
 - Are likely to get me there quickest?
 - Are most cost-effective?
 - Are most likely to have long-term impact?
 - Are the “vital organs” I need to preserve at all costs?

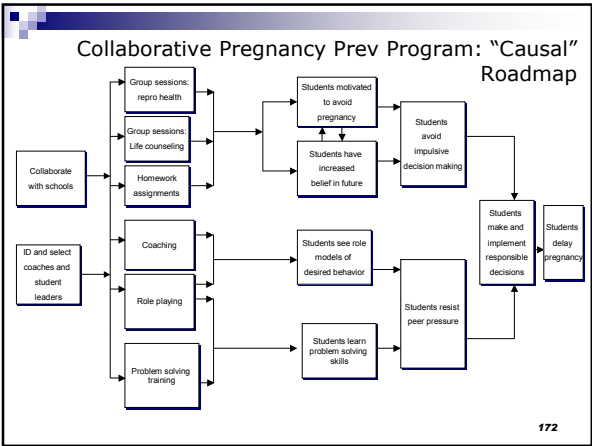
169

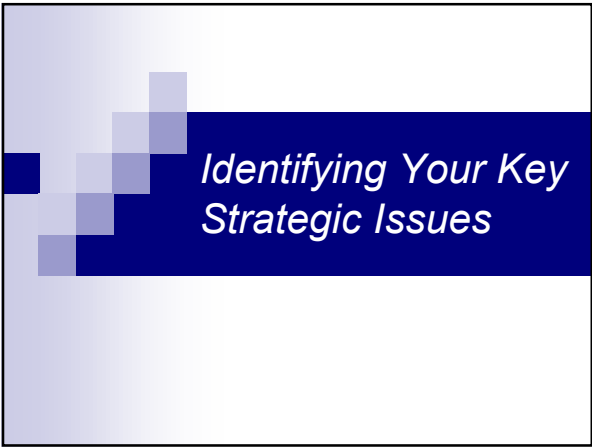
Provider Education: "Causal" Roadmap:
Priority Path= "Role Modeling" Components



Eastside HIV/AIDS Prevention Program: "Causal" Roadmap





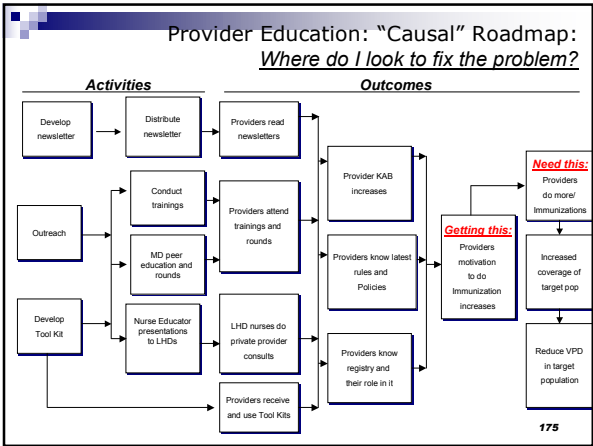


What If You're Falling Short of Your "Staked Claim"?

Logic model helps you visualize:

- ☐ What activities are not happening?
- ☐ What "arrows" need strengthening?
- ☐ What activities might I need to add to increase "oomph"!

174

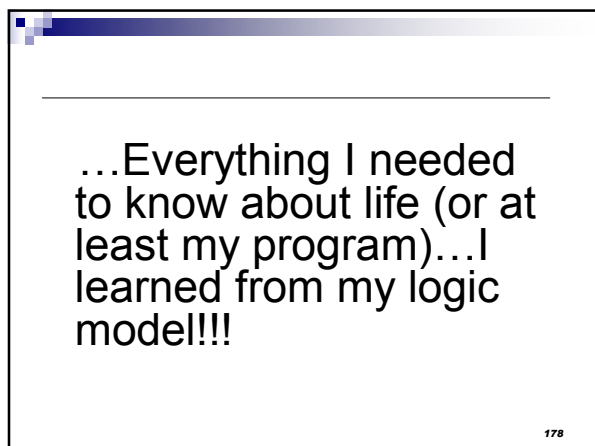


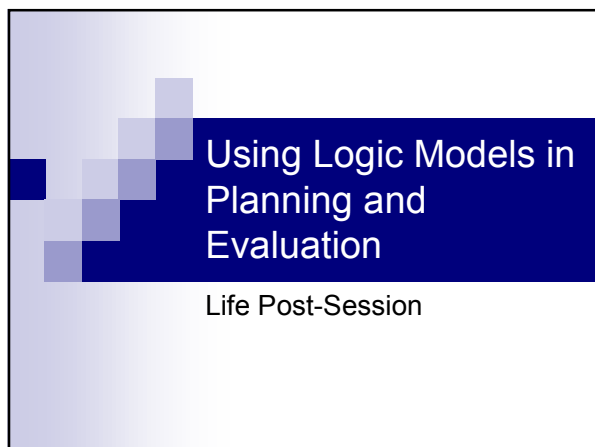


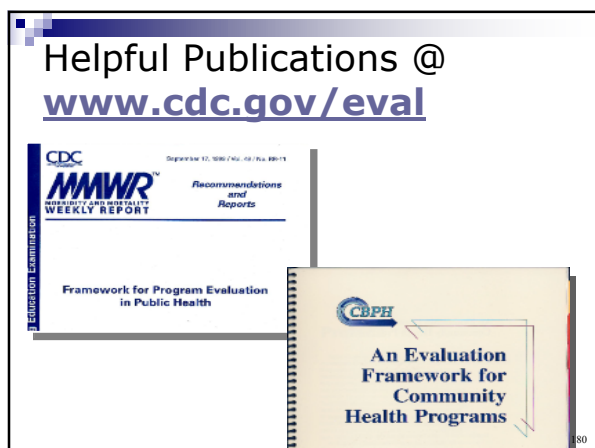
Upfront Small Investment...

- Clarified relationship of activities and outcomes
- Ensured clarity and consensus with stakeholders
- Helped define the right focus for my evaluation
- Clarified vision, mission, goals, objectives, and their interconnection
- Helped me clarify my "critical path"
- Help me cut to the "heart" of my program and...
- How best to get there

177







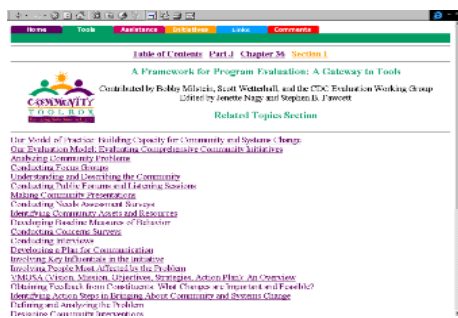
Helpful Resources

- NEW! Intro to Program Evaluation for PH Programs—A Self-Study Guide:
<http://www.cdc.gov/eval/whatsnew.htm>
- Logic Model Sites
 - Innovation Network: <http://www.innonet.org/>
 - Harvard Family Research Project: <http://www.gse.harvard.edu/hfrp/>
 - University of Wisconsin-Extension: <http://www.uwex.edu/ces/lmcourse/>
 - CDC/DASH: <http://www.cdc.gov/healthyyouth/evaluation/resources.htm#4>
 - CDC/STD: <http://www.cdc.gov/std/program/progeval/TOC-PGprogeval.htm>
- Texts
 - Kellogg Foundation Logic Model Development Guide:
www.wkcf.org
 - W.K. Kellogg Foundation Evaluation Resources:
<http://www.wkcf.org/programming/overview.aspx?CID=281>
 - Rogers et al. Program Theory in Evaluation. New Directions Series: Jossey-Bass, Fall 2000
 - Chen, H. Theory-Driven Evaluations. Sage. 1990

181

Community Tool Box

<http://ctb.ku.edu>



182