



Logic Models: A Tool for Engaging in Sub-Field, Multidisciplinary and Multi-Stakeholder Research?

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ABSTRACT

One of the ongoing challenges facing anthropology is engagement across sub-fields within anthropology as well as between disciplines. As a participatory oriented health anthropologist and social work researcher, we find ourselves engaged in research that bridges disciplinary, institutional, organizational, and community level stakeholders. Effective communication continues to be a cornerstone for meaningful participation at all levels. This poster outlines the major features of an approach borrowed from the health promotion field that have been used as a research tool. Logic models (LM) are diagrams that explicitly show the relationships between objectives, activities aimed at meeting objectives, indicators of activities, and resources available to undertake activities. LM were initially designed to assist community-based organizations in assessing the effects of health and social service programs. More recently, however, we have begun to appreciate the utility of this approach as a means of clarifying our research process in multidisciplinary and multi-cultural contexts. We report on this poster on the unfolding process of using LM, highlighting strengths and weaknesses. The example we will draw on is our use of LM in the design and methodology of a research strategy for a project aimed at identifying appropriate community health and capacity indicators for two Canadian First Nation health organizations. While only in the early stages, LM have proven to be a particularly effective means of facilitating collective understandings of the complex and diverse theoretical and methodological orientations represented in this research project.

CHALLENGE: EFFECTIVE COMMUNICATION IN RESEARCH THAT BRIDGES (SUB)DISCIPLINARY, INSTITUTIONAL, ORGANIZATIONAL, AND COMMUNITY LEVEL STAKEHOLDERS

One of the challenges in this type of research is explicitly outlining the process in such a way that all stakeholders can link proposed activities with the rationale for undertaking them and the expected outcomes. Clarifying the research process facilitates an inclusive critical appraisal of the course of action and the theories underlying it – right from the planning stages. We have found logic models to be an effective tool in this process, essentially providing a common structure and language for conversations on collaboration to take place.

WHAT IS A LOGIC MODEL?

A logic model is a description, often in the form of a diagram, of the relationship between goals, objectives and activities, as well as indicators of progress and resources available to complete the work. The presence of particular elements in a logic model and the connections between elements are hinged on underlying theories and assumptions – the empirical, philosophical and theoretical beliefs upon which a project is based (Babot and Hermann 2001; Weiss 1997).

HOW HAVE LOGIC MODELS BEEN USED?

Logic models have primarily been used in the area of program planning and evaluation (Dwyer and Makin 1997; Judge and Bauld 2001) Program planners or deliverers can use them to show/evaluate how their services result in favorable outcomes for program participants. The model articulates program goals (long term and short term) and then proceeds to identify specific actions that the program will be responsible for (process objectives). It also sets specific targets for participant involvement with the program activities and services, and it identifies the measurable outcomes (indicators) that are intended as a result of program activities.

Program evaluation is the context in which we first began to use logic models. The logic models were well received and proved to be an effective means of launching discussion and providing rationale for the types of interview questions we were asking.

The communication challenges in some research environments are similar to the program evaluation context. The success of the logic model as a communication tool in evaluation work lead us to consider its application in the diversely practiced research settings we work in – particularly in the area of community-university research partnerships. We have since found that others are also using logic models in this way (Batts and Stuart 2002).

HOW ARE WE USING THE LOGIC MODEL IN RESEARCH?

We have used logic modeling to develop the structure for a research project, "First Nations Health Development: Tools for Assessment of Health and Social Service Program Impacts on Community Wellness and Capacity" (Figure 1). Logic modeling was used in workshop style discussions with the multidisciplinary team and First Nation collaborators to develop the research strategy. We drew on the numerous resources available on structuring logic model workshops (University of Toronto 2001; Babot and Hermann 2001). This approach facilitated our development of a research strategy that is both academically rigorous and contextually appropriate. The logic model was subsequently used to describe the project in a successful funding application¹, and continues to guide the progress of the work as well as anchor discussions with team members and collaborators.

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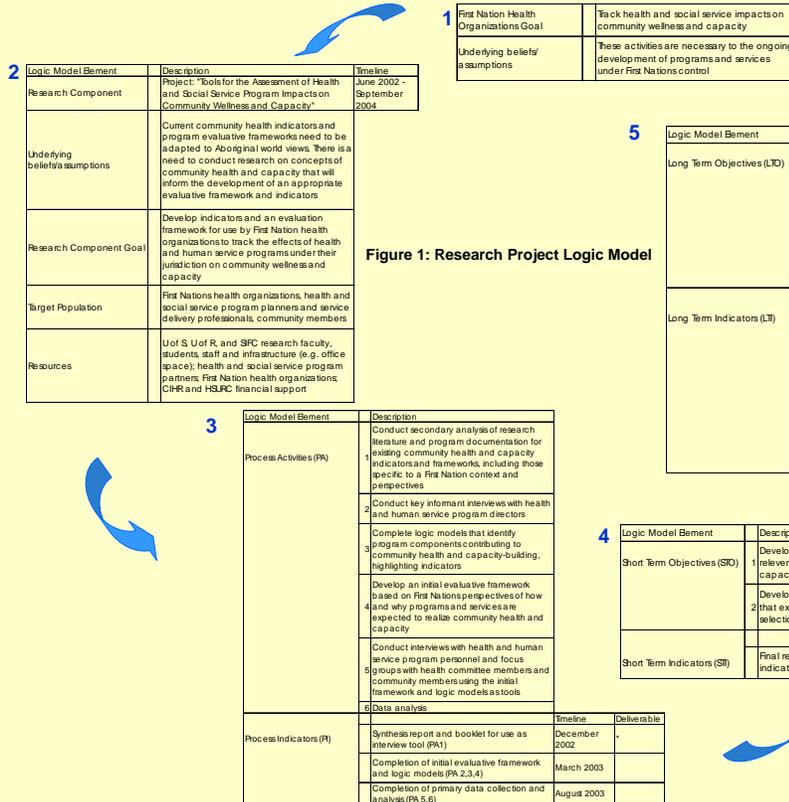


Figure 1: Research Project Logic Model

HOW CAN LOGIC MODELS BE USED IN RESEARCH?

- To reveal/ test/ critique the assumptions/ theories on which a project is based.
- Can allow for a variety of theories, assumptions or beliefs to be linked as components of a central theme – each linked to a specific set of activities and resources.
- To develop and describe a program of research with stakeholders that will:
 - clarify the linkage between objectives, activities and resources
 - ensure the appropriateness and timing of proposed activities
 - reveal where expertise lies and how various stakeholders will work together
- To describe a project to potential funders
- To create a blueprint for administration and planning

CHALLENGES

- Time intensive
- Scheduling difficulties
- Works most effectively when all stakeholders can be present.
- Need for development resources

STRENGTHS

- Opportunity for multi-stakeholder participatory engagement from planning through decision-making and action
- Facilitates collective understanding of complex phenomena
- Clearly articulated process that allows the consideration of what worked and what did not work in a research process

Other members of the research team

- Resat Labonte, Helen Wilson, Nazam Mahajrin, George Madany, George Bell Woodard, Michael McCubbin, Marcy Bakula-Charles (SPHR)
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