

ADSTRACT

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

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## WHATISA LOGIC MODEL? HOW CAN LOGIC MODELS BE USED IN RESEARCH? One of the ongoing challenges facing anthropology is A logic model is a description, often in the form of a + To reveal/ test/ critique the assumptions/ theories on diagram, of the relationship between goals, objectives engagement across sub-fields within anthropology as which a project is based well as between disciplines. As a participatory oriented and activities, as well as indicators of progress and + Can allow for a variety of theories, assumptions or First Nation Health Track health and social service impacts on health anthropologist and social work researcher, we resources available to complete the work. The presence beliefs to be linked as components of a central Organizations Goal community wellness and canacity find ourselves engaged in research that bridges of particular elements in a logic model and the theme -each linked to a specific set of activities and connections between elements are binged on disciplinary, institutional, organizational, and community These activities are necessary to the ongoin resources Underlving beliefs level stakeholders. Effective communication continues to underlying theories and assumptions-the empirical. + To develop and describe a program of research with development of programs and services sumptions be a cornerstone for meaningful participation at all philosophical and theoretical beliefs upon which a stakeholders that will Logic Model Bement Description under First Nations control lovels. This poster outlines the major features of an project is based (Tabori and Hermann 2001: Weiss Tools for the Assessment of Healt June 2002 · clarify the linkage between objectives, activities, approach borrowed from the health promotion field that 1007) search Component and Social Service Program Impacts on September and resources we have been using as a research tool. Logic models Community Wellness and Capacity" · ensure the appropriateness and timing of 2004 (LM) are diagrams that explicitly show the relationships proposed activities Current community health indicators and between objectives, activities aimed at meeting HOW HAVE LOGIC MODELSPEEN LISED? · reveal where expertise lies and how various 5 logic Model Bement Description program evaluative frameworks need to be objectives, indicators of activities, and resources Logic models have primarily been used in the area of stakeholders will work together adapted to Aboriginal world views. There is a available to undertake activities. LM were initially Develop a package to train staff in the program planning and evaluation (Dwyer and Makin hderlying + To describe a project to potential funders need to conduct research on concents of Long Term Objectives (LTO) collection of information on the proposed designed to assist community-based organizations in beliefs/assumptions + To create a blueprint for administration and planning 1997: Judge and Bauld 2001) Program planners or community health and canacity that will indicators assessing the effects of health and social service. deliverers can use them to show/evaluate how their inform the development of an appropriate programs More recently, however, we have begun to services result in favorable outcomes for program Provide training in a way that can be evaluative framework and indicators appreciate the utility of this approach as a means of participants. The model articulates program goals (long 2 delivered using independent learning rath clarifying our research process in multidisciplinary and term and short term) and then proceeds to identify Develop indicators and an evaluation than face to face instruction multi-cultural contexts. We report in this poster on the specific actions that the program will be responsible for CHALLENGES. in mowork for use by First Nation boalth Dissemination of results to community unfolding process of using LM, highlighting strengths and (process objectives). It also sets specific targets for organizations to track the effects of health + Time intensive members Research Component Goa weaknesses. The example we will draw on is our use of participant involvement with the program activities and and human service programs under their Figure 1: Research Project Logic Model + Scheduling difficulties 4 Revision of training package IM in the design and methodology of a research services and it identifies the measurable outcomes jurisdiction on community wellness and · Works most effectively when all stakeholders Development of followup strategy and strategy for a project aimed at identifying appropriate (indicators) that are intended as a result of program canacity resources can be present community health and capacity indicators for two activities + Need for development resources First Nations health organizations, health and meline Canadian First Nation health organizations. While only in larget Population social service program planners and service the early stages, LM have proven to be a particularly Completion of multimedia training package Program evaluation is the context in which we first STRENGTHS delivery professionals, community members Long Term Indicators (LTI) otober 20 effective means of facilitating collective understandings (ITO1) began to use logic models. The logic models were well + Opportunity for multi-stakeholder participatory of the complex and diverse theoretical and received and proved to be an effective means of Uof S Uof R, and SIFC research faculty, Implementation of training package with October 200 engagement from planning through decisionmethodological orientations represented in this research launching discussion and providing rationale for the making and action students, staff and infrastructure (e.g. office feedback process (LTO 2) March 200/ project types of interview questions we were asking. + Facilitates collective understanding of complex space); health and social service program Resources Report on training package feedback (LTO 2.4.5) March 2004 partners: First Nation health organizations: nhenomena The communication challenges in some research CIHR and HSURC financial support Final dissemination and training package for + Clearly articulated process that allows the environments are similar to the program evaluation September consideration of what worked and what did not CHALLENGE: EFFECTIVE COMMUNICATION IN RESEARCH use by managers and community context. The success of the logic model as a 2004 work in a research process THAT BRIDGES (SLB) DISCIPLINARY, INSTITUTIONAL Logic Model Rement Description practitionerscomplete (LTO4) communication tool in evaluation work lead us to 2 ORGANIZATIONAL AND COMMUNITY LEVEL Completion and presentation of community September consider its application in the diversely peopled STAKEHOLDERS literature and program documentation for video (LTO 3) 2004 research settings we work in -narticularly in the area of One of the challenges in this type of research is explicitly existing community health and capacity Process Activities (PA) community university research nartnershins. We have mbers of the research team Completion of renewal application (LTO 5) outlining the process in such a way that all stakeholders indicators and frameworks, including those since found that others are also using logic models in A Ponald Laborite Alligon Williams Namen Mubajarine George specific to a First Nation context and can link proposed activities with the rationale for Maslany, Georgia Bell Woodard, Michael McCubbin, Marcy Burka this way (Betts and Stuart 2002). nerenectives undertaking them and the expected outcomes. Charles (SPHERU) Shannon Avison (SIFC INCA) Clarifying the research process facilitates an inclusive Conduct key informant interviews with health Shawn Abenakew, Colleen Hamilton, and Nadia Sadnyk critical appraisal of the course of action and the and human service program directors Prince Albert Grand Council Health and Social Services theories underlying it -right from the planning stages. We + Athabasca Health Authority Complete logic models that identify Logic Model Bement Description HOW ARE WE USING THE LOGIC MODEL IN RESEARCH? have found logic models to be an effective tool in this program components contributing to process, essentially providing a common structure and We have used logic modeling to develop the structure Development of culturally appropriate and community health and capacity-building. Patter S.C. and M.E. Swart (2002) Allogic model application: Community language for conversations on collaboration to take for a research project. "First Nations Health Short Term Objectives (STO) relevent indicators of community health and highlighting indicators University collaboration. The Forum For Family and Consumer Issues 7(2) Development: Tools for Assessment of Health and Social place. capacity Retrieved November 11\* 2002 from Develop an initial evaluative framework http://www.ces.ncsu.edu/depts/fcs/pub/2002su/betts.htm Service Program Impacts on Community Wellness and based on First Nations perspectives of how Development of an evaluative framework Capacity" (Figure 1), Logic modeling was used in Dwver, J.J.M. and S. Makin (1997) Using a program logic model that workshop style discussions with the multidisciplinary team and why programs and services are that explains the theoretical basis for the focuses on performance measurement to develop a program. Canadian expected to realize community health and selection of particular indicators Journal of Public Health 88(6):421-424. and First Nation collaborators to develop the research capacity strategy. We drew on the numerous resources available Timeline Deliverable Judge, K and L Bauld (2001) Strong theory, flexible methods: Evaluating on structuring logic model workshops (University of Conduct interviews with health and human complex community-based initiatives. Critical Public Health 11(1):111-12 Toronto 2001, Tabori and Hermann 2001). This approach Final report on evaluative frameworks and service program personnel and focus October 2003 Short Term Indicators (SII) Tabori, LR and LA Mermann (2001) Project planning and evaluation indicators (SIO 1.2) facilitated our development of a research strategy that amune with health committee members and guidebook: A manual for practitioners and managers of self-sufficiency is both academically rigorous and contextually community members using the initial demonstration projects. Retrieved November 11\* 2002 from framework and logic models actools ilities/intercept.cfm?/offices/lead/hhi/4L\_GuidebookHU appropriate. The logic model was subsequently used to D\_withLogicModel.PDF describe the project in a successful funding Data analysis application1, and continues to guide the progress of the Liversity of Tomoto: The Health Communication Libit at the Center for Health Promotion (2001) Logic Models Workbook Version 6.1, Retrieved work as well as anchor discussions with team members. Synthesis report and booklet for use as December tocess Indicators (PI) November 11<sup>®</sup> 2002 from and collaborators terview tool (PA1) http://www.thcu.ca/infoandresources/publications/logicmodel.wkbk.v6.1.full aug27 pdf Completion of initial evaluative framework Jarch 2003 Funded by the Canadian Institutes of Health Research (CIHR HSM-52355) and logic models (PA 2.3.4) Weiss C H (1997) How can theory-based evaluation make greater and the Health Services Litization and Research Commission (HS BC) in headway? Evaluation Review 21(4):501-524 Completion of primary data collection and August 2003

analysis (PA 5.6)