

AN APPROACH FOR DETERMINING THE ABILITY AND WILLINGNESS  
OF COMMUNITIES TO FINANCE THE CONTROL OF  
ONCHOCERCIASIS USING IVERMECTIN  
IN NIGERIA



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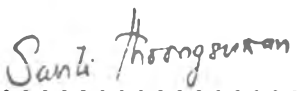
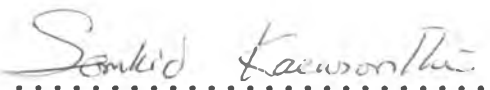


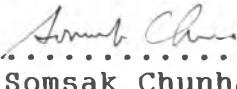
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The sustainability of endemic disease control activities is a problem in Nigeria, like in most developing countries due to the budgetary constraints of government and declining foreign AID from donors. Therefore, alternative financing sources are needed, and a virgin source is community financing.

However, issues regarding the ability and willingness of communities must be addressed before community financing is introduced. In this vein, a novel, simple, but comprehensive and practical methodology for reliably measuring these two attributes in community financing the control of onchocerciasis using ivermectin was designed.

The measures designed are: (1) Willingness to finance (WTF), which can be seen as a multi-dimensional index of consumer choice, and it was derived from the utility function; and (2) Ability to finance (ATF), which is a multi-dimensional index of the ability of the consumers and it was derived from the budgetary constraints of the utility function. The conventional willingness to pay (WTP) techniques were integrated into the approach.

A decision-making criteria using various values of ATF and WTF values, as well as the study tools needed for the methodology were designed. Additionally, a system of using a screen methodology for the valuation was illustrated. The approach also included the design of a model community financing scheme based on a pre-payment mechanism, and incorporating community self-distribution of ivermectin. Simulation modelling was used to test the quantitative model of the approach, and the results accorded well with all the set hypotheses.

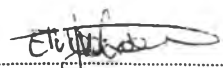
In as much as this approach was designed with onchocerciasis control with ivermectin as the focus, it can however be modified and used in other types of endemic disease control. This is especially if community financing is being considered. It can also be used as a rapid assessment technique in order to value consumer choice and issues about ability to support disease control programmes or projects.

Finally, though this study has its limitations, its strength lies in its possible practical uses as an operational tool.

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Obinna Emmanuel Onwujekwe  
April 1995.

## Table of contents

Abstract .....	ii
Acknowledgement .....	iii
Table of content .....	iv
List of figures .....	vi
List of tables .....	vii
Chapter 1 Introduction .....	1
1.1 Background .....	1
1.2 The problem .....	2
1.3 Rationale .....	4
1.4 Research Objectives .....	7
Chapter 2 Theoretical Framework .....	8
2.1 Review of previous works .....	9
2.2 Conceptual framework .....	13
Chapter 3 Research methods .....	21
3.1 The approach to this research .....	22
3.2 The design .....	22
3.3 Key words .....	25
3.4 Operational definitions .....	25
Chapter 4 Development of the approach .....	27
4.1 Introduction .....	27
4.2 Variables influencing Ability to finance and Willingness to Finance variables .....	28
4.3 Scale of measurement for these variables .....	34
4.4 Design of models for the approach .....	38
4.5 The study tools .....	54
Chapter 5 Multi-dimensional criteria .....	65
5.1 Criteria for the quantitative model .....	65
5.2 Criteria for the semi-quantitative model .....	67
5.3 Criteria for deciding on the type of community financing scheme to adopt .....	68
Chapter 6 A community financing scheme model .....	70
6.1 Introduction .....	70
6.2 Community level planning .....	70
6.3 Method of operating the account of the scheme.	75

6.4 Other possible sources of funding .....	76
6.5 Implementation and monitoring .....	77
6.6 Evaluation .....	78
6.7 Other possible community financing schemes ...	80
 Chapter 7 Evaluation of the approach .....	 81
7.1 Methodology for testing the quantitative static model .....	81
7.2 The result .....	82
 Chapter 8 A screen methodology for the approach .....	 86
8.1 Ability to finance .....	86
8.2 Willingness to finance .....	87
8.3 Interpretation of the ATF and WTF values .....	88
8.4 Evaluation of the screen methodology .....	90
 Chapter 9 Presentation of the approach and discussions ....	 91
9.1 The quantitative static model .....	94
9.2 The quantitative dynamic model .....	95
9.3 The semi-quantitative model .....	96
9.4 The multi-dimensional criteria .....	98
9.5 The study tools .....	99
9.6 A community financing scheme model .....	99
9.7 Testing the approach .....	99
9.8 General discussions .....	99
 References .....	 103
 Appendix .....	 107
Figure 1. Diagram illustrating the direct relationship of Aw and perceived need .....	107
Figure 2. Diagram illustrating the direct relationship between ATF and WTF .....	107
Figure 3. Diagram illustrating the direct relationship between utility and WTF .....	108
 Curriculum Vitae .....	 109

## List of Figures

**Figure:**

2.1	Diagram illustrating the multi-dimensional factors influencing the choice of a preventive health care consumer .....	15
2.2	An outline of the operational procedures for the study ..	16
4.1	Summary of the steps in the development of the WTF and ATF models .....	28
4.2	Summary of the stages in the development of the quantitative static model .....	39
4.3	Stages in the development of the quantitative dynamic model .....	48
4.4	Stages in the development of the semi-quantitative model .....	51
4.5	Stages in the development of the study tools .....	55
5.1	Illustration of the multi-dimensional criteria .....	65
6.1	A diagrammatic representation of a community financing (C.F) scheme .....	71
6.2	Showing detail of activities and time schedule for planning and implementing a community financing scheme .....	77
6.3	Itemized cost classifications accruing to different bodies involved in the community financing scheme .....	79
9.1	Illustration of the summary of the approach .....	93
	static model	

## List of Tables

**Tables:**

3.1 An illustration of the steps, approaches, and tools of the design .....	23
7.1 Result of the calculation of WTF values .....	83
7.2 Result of the OLS-regression analysis .....	83
8.1 The screen methodology result for the three hypothetical communities .....	90