

## REFERENCES

- Anderson, M. 1983. An introduction to epidemiology, Macmillan Press London.
- Cannell C. F. 1970. A summary of research studies of interviewing methodology 1959 - 1970. Vital and health statistics series 2 research no. 67 DHEW pub.(HRA) 77-1373.
- Creese A. and Parker David 1994. Cost analysis in primary health care, A training manual for programme manager, World Health Organization Geneva.
- Chushaswasdekul and others. 1992. Anti tuberculosis programma in Thailand: A cost analysis. South East Asia J Trop Med Public health, 23:195-199.
- Drummond M.F. and others. 1986. Methods of economic evaluation of health care programmes, Oxford University Press.
- Jittinandana A. 1985. Socio-economic status of pulmonary tuberculosis patients. Thai Com. Dis. J., 11:79
- \_\_\_\_\_. 1989. Problems of Tuberculosis Treatment in Thailand. J Med Association, 72:601-604.
- \_\_\_\_\_. and Sunthai B. 1985. Health education and economic support in relation to the regularity of treatment in pulmonary tuberculosis patients. Thai Com. Dis. J., 11:240-6
- Kaewsonthi S. and Harding A. 1989. Internal and External costs of malaria Surveillance in Thailand. Social and economic research report No 6 Geneva, TDR
- Kamolratanakul P. and other 1993. Cost -effectiveness analysis of three short-course anti- tuberculosis programmes compared with a standard regimen in Thailand. J. Clin. Epidemiology 46:631-636.
- \_\_\_\_\_. and others, 1992. Comparison of direct and indirect costs between short-course and basic regimens in the Treatment of Tuberculosis. Com Dis J., 17:154-162.
- Kanchanaraksa S. 1988. Facts Finding Commission, National Epidemiology Board: Review of health situation in Thailand and malaria disease.
- Konjanort S and Darmass S. 1985. Time trend estimation of TB epidemiology by simulation model, Thai J. Tuberc. chest dis. 2:53-67

- Kornkeo K. 1988, The factors related to the behavior of the delay treatment in pulmonary. tuberculosis patients. Master degree thesis, Chulalongkorn University, Thailand.
- Mausnaer and Bahn. 1985. Epidemiology - An Introductory text, WB Saunders company West Washigton USA.
- Park and Park. 1992. Social & Preventive Medicine, Dehli, India
- Payanandana V. and others 1993. Report on an internal evaluation of the national tuberculosis programme Thailand, Tuberculosis Division, Department of Communicable disease control, Ministry of Public Health.
- \_\_\_\_\_. ana V. Others. 1994. Information prepare for an external evaluation of the National Tuberculosis Programme Thailand, Tuberculosis Division, Department of Communicable Diseases Control, Ministry of Public Health
- Pungrassami P and others. 1993. The Study of Patient's and doctor delay of Tuberculosis Case detection in TB Center Zone 12 Yala. Thai J Tuerc Chest Dis. 1993;14: 73-83
- Smith P.G and Rechard H. Morrow. 1991. Method for field trial of intervention against tropical diseases, A toolbox. UNDP /World Bank/ WHO special programme for research and training of tropical diseases
- Spinacci S. 1993. Guidelines for Tuberculosis Treatment in Adults and Children in National Tuberculosis Programme. Thai TUBERC CHEST DIS., 13:5-25.
- Stocks P. 1949 Sickness in the population of England and Wales 1994 -7 HMSO, London
- Tjiptoherijanto and Joesoef. 1988. Epidemiological Model and Cost Effectiveness Analysis of Tuberculosis Treatment Programs in Indonesia: Economics, Health and Tropical Diseases.
- Tesana N. others. 1991. Delay of case finding in 6th Zonal Tuberculosis Center. Thai J Tuberc Chest Dis 1991; 12 :187-194
- \_\_\_\_\_. 1989. A Joint WHO /IUATLD Working group on HIV infection and tuberculosis, World Health Organization, Global programms on AIDS an tuberculosis programme, Geneva.
- \_\_\_\_\_. 1993. World Development Report, The World Bank, Washington DC.
- \_\_\_\_\_. 1993. Human Development Report, United Nations Development Programme. Oxford University Press, Dehli, India.

APPENDIX

PATIENTS QUESTIONNAIRE FOR COSTS AND PERFORMANCE

(Please put circle in appropriate alternative and put the number in blank. Don't put any number in the right hand side boxes from the line)

ID No

Patients No

Demographic characteristics:	
A. Gender 1 Male 2 Female (1)	<input type="checkbox"/> 1
B. Marital status 1 Married 2 Unmarried 3 Separated 4 Widow 5 Widower (2)	<input type="checkbox"/> 2
C. Age yr. . (3) (4) D.Weight.KG...(5) (6)	<input type="checkbox"/> 3,4
E. Occupation 1 Farmer 2 Casual laborer 3 Unemployed 4 Business 5 Gvt.Employee 6 Vender 7 Others (7)	<input type="checkbox"/> 5,6
F. Education 1 No formal education 2 Primary 3 secondary 4 Higher (8)	<input type="checkbox"/> 7
G. Income per month B..(9)(10)(11)(12) (13)	<input type="checkbox"/> 8
	<input type="checkbox"/> 9, 10, 11,12,13
1. Reason for seeking care 1 Chest pain 2 Haemoptisis (14) 3 Cough 4 Weight loss 5 lethargy 5 fever 6 Other (14)	<input type="checkbox"/> 14
2. Days with symptom(s).....(15)(16)	<input type="checkbox"/> 15 16
3. Days under Family care.....(17) (18)	<input type="checkbox"/> 17 18
4. After Symptom(s) where did you Initially visit for care?(19) 1 Drugs store 2 Traditional Healer 3 Health Center 4 TB Center 5 Private Clinic 6 BMA Clinic	<input type="checkbox"/> 19

5. If you went to Drug Store for care, (20)	20
1 Mode of travel 1 bus 2 car 3 taxi 4 walk	
2 Distance Km ....(21)(22)	21 22
3 Travelling fare B...(23)(24)(25)	23 24 25
4 Travelling time minute (.....) (26) (27) (28)	26 27 28
5 Drugs cost B..... (29)(30)(31)(32)	29, 30, 31 32
6 Accompanying Persons NO...(33)	33
7 How much thy can earn on a day B..... (34)(35)(36)	34 35 36
8 No of visit....(37)	37
6. If you went to BA Clinic for care	
1 Mode of travel 1 bus 2 car 3 taxi 4 walk (38)	38
2 Distance Km ....(39)(40)	39 40
3 Travelling fare B ....(41)(42)(43)	41 42 43
4 Travelling time Minutes..... (44)(45) (46)	44 45 46
5 Drugs & consultation B... (47)(48)(49)	47 48 49
6 Accompanying Persons No...(50)	50
7 How much they can earn on a day B.....(51)(52)(53)	51 52 53
8 No of visits.... (54)	54
7. If you went to health center for care,	
1 Mode of travel 1 bus 2 car 3 taxi 4 walk (55)	55
2 Distance Km .....(56)(57)	56 57

3 Travelling fare...(58)(59)	58	59	
4 Travelling time two ways Minutes... (60) (61) (62)	60	61	62
5 Drugs B.....(63)(64)(65)	63	64	65
6 Accompanying Persons No...(66)	66		
7 How much they can earn on a day B.....(67)(68)(69)	67	68	69
8 No of visits.... (70)	70		
8. If you went to private clinic for care 1 Mode of travel 1 bus 2 car 3 taxi 4 walk (71)	71		
2 Distance Km ....(72)(73)	72	73	
3 Travelling fare B...(74)(75)(76)	74	75	76
4 Travelling time Minutes ..... (77) (78) (79)	77	78	79
5 Drug and consultation B... (80)(81) (82)	80	81	82
6 Accompanying Persons No...(83)	83		
7 How much they can earn on a day B.....(84)(85)(86)	84	85	86
8 No of visits.... (87)	87		
9. If you went to Traditional healer,(88) 1 Mode of travel 1 bus 2 car 3 taxi 4 walk	88		
2 Distance Km ....(89)(90)	89	90	
3 Travelling fare B...(91)(92)(93)	91	92	93

4 Travelling time minutes (.....) (94) (95) (96)	94 95 96
5 Drugs cost B..... (97)(98)(99)(100)	97, 98, 99 100
6 Accompanying Persons NO...(101)	101
7 How much thy can earn on a day B..... (102)(103)(104)	102 103 104
8 No of visit....(105)	105
10.Information related to present care seeking at TB Clinic	
1 Mode of travel 1 bus 2 car 3 taxi 4 walk (106)	106
2 Distance KM ...(107)(108)	107,108
3 Travelling fare B....(109)(110)(111)	109 110 111
4 Travelling time Mit.. (112)(113)(114)	112 113 114
5 No of accompany person ....(115)	115
11. How much they can earn on a day B.....(116)(117)(118)	116 117 118
12. How many hours did you work before sick Hr..... (119)(120)	
13. Would you work as before ? 1 Yes (121) 2 No	119 120 121
14. If no how many days you can not work due to illness? days.. (122)	122
15. Who takes care you (123) 1 relative 2 hired person	123

16. If hired person how much do you pay  
per month B .....(124)(125)(126)

124	125	126

17. If relative his/her occupation (127)

- 1 Farmer
- 2 Casual laborer
- 3 Bossiness
- 4 Government Employee
- 5 Vender
- 6 Unemployed
- 7 Others

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## CURRICULUM VITAE

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