#### ASSESSING QUALITY OF LIFE OF THE ELDERY PEOPLE IN KHON KAEN PROVINCE

. . .

Piyathida Sriruksa

A Thesis Submitted in Partial Fulfillment of the Requirements for the Degree of master of Public Health Health Systems Development Programme College of Public Health Chulalongkorn University Academic Year 2001 ISBN: 974-17-0546-8 ©College of Public Health, Chulalongkorn University Bangkok, Thailand

## I2069541x

Thesis Title	: Assessing Quality of Life of the Elderly People in Khon Kaen
	Province, Thailand
Ву	: Piyathida Sriruksa
Program	: Master of Public Health (Health Systems Development)
C	College of Public Health
Thesis Advisor	: Marc Van der Putten, M.P.H.

Accepted by the College of Public Health, Chulalongkorn University, Bangkok Thailand in Partial Fulfillment of the Requirements for the Master's Degree

Samlee Chiming dang Dean of the College of Public Health

(Samlee Plianbangchang, M.D., Dr.P.H.)

THESIS COMMITTEE

Roberno San Chairman

(Ratana Somrongthong, M.A.)

..... Thesis Advisor

(Marc Van der Putten, M.P.H.)

Idyin Jh ..... Member

(Professor Edgar J. Love, M.D., Ph.D.)

#### ABSTRACT

This thesis deals with the concept of quality of life of elderly people. This thesis portfolio consists of: (1) an essay on what is quality of life in elderly people and how it could be measured, (2) a data exercise on assessing quality of live of the elderly people in Thapra Village and describing the perspectives of health services providers related to activities that address quality of live of the elderly people in Khon Kaen, (3) a research proposal for assessing quality of live of the elderly people in Khon Kaen province, Thailand, (4) a portfolio presentation and (5) an annotated bibliography on the literature consulted related to quality of live and aging.

Improving the quality of life is a way to maintaining independence, and preventing and delay disease of the people in later life. While, the elderly people become the majority of the population in the world. Successful improvements in health conditions together with a lower birthrate and a lower infant mortality result in a greater average life expectancy. QOL of the elderly people can describe the circumstances, responded to intrinsic characteristics of an individual and the extrinsic social, economic and environment factors that affect well being. To assess the QOL, one of instrument that become worldwide accepted is WHOQOL-BREF which is can be used in a variety of settings while allowing the results from different populations and countries to be compared. Because of QOL is the individual's perception of their position in life. Therefore, in different situations, how elderly feel or perceive satisfaction may also change over time. Careful comparative studies in various countries would be necessary to examine the degree to which common definitions of contributing factors to QOL are cross applicable cultural. However, assessing quality of life help us to know the health needs, and the health problems of the elderly people in a variety of dimensions

Assessing Quality of Life of the Elderly People in Thapra village and health services activities affect the quality of life of the elderly people in Khon Kaen province. The objectives were (1) to describe the quality of life of the elderly people in Tha Pra Village, Khon Kaen province, (2) to identify the main factors that influence the quality of life of the elderly people in ThaPra Village, Khon Kaen province into 4 domains; Physical health factors, Psychological factors, Social factors and Environment factors and (3) to explore health services providers' perspectives on activities that address quality of life of the elderly people in Khon Kaen province. The data exercise was cross-sectional descriptive study design apply both quantitative method and qualitative method. WHOQOL-BREF was used for quantitative instrument and indepth interview quideline for quaitative insrument. The results indicated that the Thapra Village elderly people QOL the Physical domain score quite low. In addition, the highest proportions of factors that affect QOL were health problems, current illness, the old age (70-79) and higher education. For the qualitative data, Related to the aging policy in Khon Kean the Provincial Health Office act as a local MOPH to provide and implement policies. The community hospitals act as operational organizations. The findings from the data exercise confirm the problems described in the literature related to the elderly health. The data exercise on quality of life of the elderly people was important to gain

experience with the instrument and the interview technique this will contribute to improving the survey on quality of life for elderly in Khon Kean province.

Assessing the Quality of Life of the elderly people in Khon Kaen proposal was developed to describe the Quality of Life of the elderly people in Khon Kaen Province to inform decision making in term of policy, health promotion and social service. The specific objectives were to describe factors influence the quality of life of the elderly people Khon Kaen province into 4 domains; Physical health factors, Psychological factors, Social factors and Environment factors and to explore the perceptions of the elderly people on key factors affecting quality of life of the elderly people in Khon Kaen. This research proposal was designed as a cross sectional descriptive study applying quantitative and qualitative approaches. The tentative research plan was designed for 1 year and the budget requred were 70,000 baht. The expected outcome will provide as a useful recommendation for health policy, research and decision making on important aspect of health social services.

v

#### ACKNOWLEDGMENTS

I would like to express my sincere gratitude to Dr. Samlee Plianbangchang, the dean, for his kindness and give valuable commend. My special thanks to Prof. Chitr Sitthi – Amorn, and Prof. Edgar J. love for their valuable guidance.

I would like to convey my sincere gratitude to Assist. Prof. Dr. Nuntavarn Vichit-Vadakarn, Acharn Rattana Sumrongthong and Acharn Wacharin Tanyanont for given me new knowledge in each subject and be concerned about my study.

I would like to express my deepest gratitude to my Advisor Acharn Marc Van der Putten, who provided me frequent guidance, valuable, constructive suggestion, comment for my study, support and appreciation.

I would like to express my hearty thanks Ms. Sununta Wongchalee and Ms. Polaya Puntura for their information support and my classmate for their good friendliness during this course.

Lastly, Thanks to Daddy and Mom for all inspiration and mentality supports me during my life and forever.

## List of Contents

	Pa	age
Abstra	ct	iii
Acknow	wledgements	vi
List of	Contents	vii
List of	Tables	x
List of	Figures	xii
Abbrev	viation and Acronyms	xiii
Referer	er I Introduction : Assessing Quality of Life of the Elderly People in Khon Kaen, Thailand nce er II Essay :What is Quality of Life in Elderly people	1 4
•	and how could it be measured?	5
2.1	Introduction	5
2.2	The Meaning of Older Age	7
2.3	The Life Course Perspective of Aging	8
2.4	Quality of Life (QOL)	10
2.5	Contributing Factors to QOL	14
2.6	Assessing the Quality of Life	19
2.7	WHOQOL	20
2.8	Administration of the WHOQOL-BREF	23

Refere	ences	29
2.12	Conclusion	28
2.11	Assessing QOL Limitations	26
2.10	The Advantage of the QOL Assessment	25
2.9	QOL of the Elderly People Research	23

.

## Chapter III Data Exercise : Assessing Quality of Life of the Elderly People

#### in Thapra village and Health Services Providers'

### Perspectives on Activities that Affect the Quality of Life

	of the Elderly People in Khon Kaen Province	32	
3.1	Introduction	32	
3.2	Objectives	34	
3.3	Operational Definitions	35	
3.4	Methodology	37	
3.5	Instruments	39	
3.6	Data Collection	40	
3.7	Data Management	41	
3.8	Data Analysis	41	
3.9	Results	42	
3.10	Discussions	61	
3.11	Conclusions	65	
3.12	Limitations	65	
3.13	Lesson Learned	66	
Refere	References 6		

Chapt	er IV	Research Proposal: Assessing Quality of Life	
		of the Elderly People in Khon Kaen Province	
4.1	Introdu	uction	
4.2	Resear	ch Question	
4.3	Object	ive	
4.4	Operat	tional Definitions	
4.5	Metho	dology	
4.6	Ethica	l Consideration	
4.7	Expect	ted Outcome	
4.8	Limita	tions	
4.9	Activit	ty Plan	
4.10	Budge	t	
Refere	ences		
Chap	ter V	Presentation	
Chap	ter VI	Annotated and Bibliography	
Аррен	ndices_		
		Thai version of the WHOQOL-BREF	
		In depth interview guideline	
		Khon Kaen Map	
		-	

Chapter IV	Research Proposal:	Assessing Qua	lity of Life
Chapter IV	nebeul en er op statte		

## List of Tables

x

Table 2.1:	Dimension of QOL 6 Domains and 28 Facets	13
Table 2.2:	Summary of Contributing Factors to Quality of Life	15
Table 2.3:	WHOQOL-BREF Domains	22
Table 3.1:	The In-depth interview key informant	39
Table 3.2:	Scale for degree of level of agreement	40
Table 3.3:	Baseline Characteristic of the study population	43
Table 3.4:	The overall quality of life and general health facets	
	of the respondents	44
Table 3.5:	Physical Health domain and facets incorporated	
	with domain of WHOQOL-BREF of the sample	45
Table 3.6:	Psychological domain and facets incorporated	
	with domain of WHOQOL-BREF of the sample	46
Table 3.7:	Social Relationship domain and facets incorporated	
	with domain of WHOQOL-BREF of the sample	47
Table 3.8:	Environmental domain and facets incorporated	
	with domain of WHOQOL-BREF of the sample	49
Table 3.9:	The domain raw score and transformed score	
	(Compared with WHOQOL-100)	50
Table 3.10:	Factors that influence Physical Health domains	52
Table 3.11:	Factors that influence Psychological domains	53
Table 3.12:	Factors that influence the social relation domains	54

.

Table 3.13:	Factors that influence environmental domains	55
Table 3.14:	Factors that influence all of QOL domains	56
Table 4.1:	The Distribution of sample size	82
Table 4.2:	Activity Plan of proposed study	89
Table 4.3:	Estimation Expenditure for program activities	90

÷

# List of figures

.

Figure 2.1:	Population Pyramid in 1995 and 2000	6
Figure 2.2:	A life course perspective for maintenance of	
	the highest possible level of functional capacity	9
Figure 4.1:	Conceptual Framework: Quality of Life of	
	the Elderly People in Khon Kaen Province	78
Figure 4.2:	Sampling Frame: Assessing the QOL of	
	the Elderly People in Khon Kaen Province	81

-

.

Page

## Abbreviation and Acronyms

.

QOL	Quality of Life	
QOLWHO	Quality of Life World Health Organization Instrument	
QOLWHO-BREF	A short form Quality of Life World Health Organization	
	Instrument	
CDC	Communicable Disease Control Center	
WHO	World Health Organization	
UN	United Nation	
РНО	Provincial Health Office	
МОРН	Ministry of Public Health	
www	World Wide Web	

-