



CHAPTER VIII

ANALYSIS

The analysis helps provide answer to the primary and secondary research questions. The issues of data analysis has included:

Summarization of Data.

1. Primary outcome.

The primary outcome of the study, the pattern of health services utilization, has been summarized as follows :

1.1 Curative service. The utilization of curative service has been summarized in term of proportion, calculated from cases utilizing curative service per the total illnesses cases.

1.2 Maternal and child care health services. The outcome which is measured in term of number of cases receiving the services has been summarized in term of the proportion of those persons seeking each service per population in need.

2. Secondary outcome.

The data on associated factors have been summarized in term of means and proportions depending on the type of variables. The univariate and multi-variate analysis have been performed for the study variables.

Statistical Analysis.

The statistical test are required to provide the answer to the secondary research questions for determining the factors influencing health services utilization. The multiple regression has been used to analyse the multiple variables and the prediction of health services utilization can be determined.

The statistical tests for this study can be summarized in Table 9.

Table 9 Statistic test of association.

Outcome	Data summarize (95% C.I.)	Design	Statistical test	Significant
Number of cases utilized and nonutilized of each type of health services * by the studies variables.	Proportion	Multivariate	Multiple regression	p-value < 0.05

* curative service, antenatal service, delivery service, postnatal service, vaccination against tetanus, child immunization, contraceptive service

Dummy Table.

There has been 5 dummy tables as follows.

Table 10 Utilization pattern of curative service.

Diseases/symptoms	case no.	Type of curative care
	1	
	2	
	3	
	4	
	.	
	.	

Table 11 Utilization pattern of maternal and child health services, including family planning service.

Health services	Number of cases not use the services	Number of cases use the services
Antenatal care		
Birth attendant		
Postnatal care		
Vaccination against tetanus		
Child immunization		
Contraception		

Table 12 Curative service utilization by selected variables.

Variables	Curative service	
	Nonutilized	Utilized
Age		
Sex		
Education		
Ability to speak Thai		
Household status		
Annual household income		
Travelling difficulty		
Perceived severity of illnesses		
Mass media exposure by radio		

Table 13 Maternal and child health services utilization by selected variable.

Variables	Maternal and child care health services *	
	Nonutilized	Utilized
Age		
Education		
Ability to speak Thai		
Occupation		
Annual household income		
Travelling difficulty		
Mass media exposure by radio		
Number of pregnancies		
Delivery personnel		

* Antenatal care, delivery by health personnel, postnatal care, vaccination against tetanus, child immunization.

Table 14 Contraceptive utilization by selected variable.

Variables	Contraceptive utilization	
	Nonutilized	Utilized
Age		
Education		
Ability to speak Thai		
Occupation		
Annual household income		
Total children		
Ideal Number of children		
Number of pregnancies		
Travelling difficulty		
Mass media exposure by radio		



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