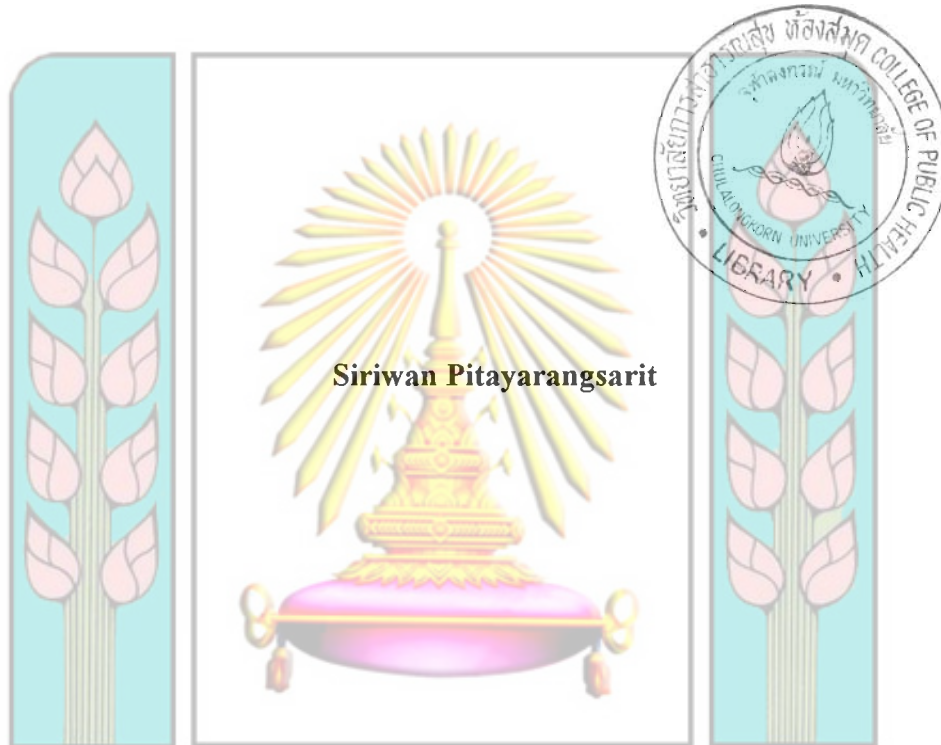


**EVALUATION OF DENTAL CARIES PREVENTION  
IN PRESCHOOL CHILDREN**



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**A Thesis submitted in Partial Fulfillment of the Requirements  
for the Degree of Master of Public Health**

Health Systems Development Programme

CHULALONGKORN UNIVERSITY

**Chulalongkorn University**

**College of Public Health**

**Academic Year 1996**

**ISBN 974 - 636 - 901 - 6**

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## ABSTRACT

The aim of this study was to evaluate the dental caries prevention activities of preschool children in Khon Kaen Province, Thailand and select an effective activity to test policy simulation.

Econometrics was used as a tool to analyse the associate factors and policy simulation. Three hundreds and nine couples and their three, five to six year-old children were interviewed and had oral examination in Khon Kaen Oral Health Survey. Multiple regression analysis showed significant factors associated with child's dental caries. The relationship of child sex, child age, parant's education with child dental caries were significant at 0.01 level. The relationship of parent's age and information from health volunteers were significant at 0.05 level.

Based on data exercise and literature review, the recommended policy was oral health promotion approach by volunteers. After simulation on assumption that all parent's received in formation from health volunteers and other factors are constant, child dental caries will be reduced by 34.52 %.

A 3-year project of community participation through volunteers was proposed. Development of a dental health database was planned. The objective of this project is to achieve dental caries prevention effectiveness. The intensity of participation ranges from the in formation sharing to consultation and decision making.