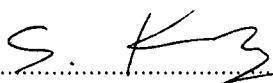


THESIS TITLE : THE DEVELOPMENT OF MANAGEMENT INFORMATION SYSTEM  
FOR PROVINCIAL PUBLIC HEALTH ADMINISTRATION.

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**ABSTRACT**

The objectives of this study were 1) to study the present situation and problems on working of information system for use in the Provincial Public Health Administration. 2) to study opinion towards for develope model of information system for Provincial Public Health Administration 3) to present the model for developement of information system for use in Provincial Public Health Administration.

The samples of this study were the persons of all levels involved with the public health information system in the Public Health Office, Region 6. The samples were separated into two groups : the executive and public health staff groups. The sampling group consisted 320 persons. This study tool are consisted of mailing questionnaires two groups for the executive groups and public health staff groups.

In computerizing the data, SPSS/PC+ had been used to analyze the percentage, mean, standard deviation and correlation by Chi-square test.

The result of this study were found out that :

1. The situation and problems on working of information system for use in the Provincial Public Health Administration :

The problem of data collecting was caused by excessive report forms which had been changed too often. Most samples had opinion that they should use the same network and forms in the data collecting to make it short, appropriate and complete. The problem in keeping the data such as there were excessive paper and no continuity in the collecting system. The tools were out of date and inadequate. It was suggested to store data in the computer or diskettes and if it is necessary to store the data on paper it should be stored in clear different categories according to the type of data. The problem of data analysis were lack of devices causing delays instead of a quick and accurate data analysis. Computerizing and usage of proper software had been suggested. The problem of data presentation were excessive presentation paper and the executives used little of the information. It was suggested that preparation be on paper and use computers to help in presentation. Typical obstacles were lack of staff, budget and material.

Problem in policy making, management system and organization, most samples saw that there should be development in information referring system by establishing Information Centers at district and provincial levels. Computerizing should be used in storing, processing and presenting information. There should be staff responsible for this center. The information can be transferred by modem or by storing in a diskette. This center should process information continuously and effectively.

2. The opinion towards for develope model of information system for Provincial Public Health Administration, it was found out that the data should be accurately recorded at the first place which it had been received. The data should be checked whether it had been filled properly before being processed by computer under particular staff and linked to all levels by computer on line system. This information system should be developed to serve the need of the executives and there should be a discussion between the form designer and the users.

3. The model for developement of information system for use in Provincial Public Health Administration, from problem analysis, opinion and advice including statistical analysis in correlation we had developed a new information system by establishing District and Provincial Information Centers to record, store, process and present the information by computer. The development of reporting data network is there are two types of transferring

data : transferring data from Tambol to District Information Centers by report-form on paper but from District to Provincial Centers data is sent by modem or diskettes. So the problems of incorrect or incomplete or late information or information unsuitable to the users need can be solved.

Information Centers, linking between Tambols to the Provincial levels, have to gather and shift the data into appropriate information. Therefore all the departments in the center have to coordinate consistently among themselves. There are three work groups according to their duties.

1. Network Coordinators who coordinate the data sources, develop information processing and organize the activities.
2. Information Collectors and Processors process the data into suitable information starting from collecting, storing, processing and presenting the information.
3. Information Service Department coordinates between Information Centers and users.

Therefore processing the information will be efficient and fruitful.