

Thesis Title Unit Cost of Radiology Section, Pathology Section
and Special Investigation Unit in Chonburi
Hospital, Fiscal Year 1991

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ABSTRACT

Nowadays, the need of resources are more than the existing resources available. Knowing the " Unit Cost " of any given services in the hospital are the proper way to allocate a limited resources for working the most efficient and proper utilization. This study is a part of the Chonburi Hospital 's research for unit cost in the hospital, which aims to study in Radiology Section, Pathology Section and Special Investigation Unit only, by using retrospective data collection in the fiscal year 1991 (1 October 1990 - 30 September 1991). All departments in the hospital are classified into cost centres such as Transient cost centre 1 (TCC1), Transient cost centre 2 (TCC2), Transient cost centre 3 (TCC3) and Absorbing cost centre (ACC). Costs will then be allocate by Double Step Down Method using appropriate allocation criteria. The results of the study are as follow :

Radiology Section total cost equals to 9,160,518.62 Baht. Clinical Pathology cost equals to 7,281,098.22 Baht. Blood Bank cost equals to 3,474,671.33 Baht. Anatomical Pathology cost equals to 3,424,736.40 Baht. Ultrasound cost equals to 346,884.14 Baht. EKG cost equals to 181,591.41 Baht. EEG cost equals to 289,779.01 Baht. Gastroscopy cost equals to 393,307.04 Baht and Hemodialysis cost equals to 1,445,202.83 Baht. The unit cost of Radiology Section are 134.20 Baht per film, divide to Fix cost are 106.73 Baht and Variable cost are 27.47 Baht. Clinical Pathology are 21.12 Baht per test, divide to Fix cost are 14.40 Baht and Variable cost are 6.72 Baht. Blood Bank are 263.97 Baht per obtain one unit and 303.46 Baht per use one unit, divide to Fix cost are 79.91 Baht and Variable cost are 184.06 Baht per obtain one unit and 223.55 Baht per use one unit. Anatomical Pathology are 178.95 Baht per patient, divide to Fix cost are 169.56 Baht and Variable cost are 9.39 Baht. Ultrasound are 141.64 Baht per patient, divide to Fix cost are 122.97 Baht and Variable cost are 18.67 Baht. EKG are 36.35 Baht per patient, divide to Fix cost are 23.58 Baht and Variable cost are 12.77 Baht. EEG are 1,212.46 Baht per patient, divide to Fix cost are 1,141.54 Baht and Variable cost are 70.92 Baht. Gastroscopy are 739.30 Baht per patient, divide to Fix cost are 604.92 Baht and Variable cost are 134.38 Baht. Hemodialysis are 1,476.20 Baht per patient, divide to Fix cost are 932.76 Baht and Variable cost are 543.44 Baht. The unit cost of examination in plan film x-ray are between 118.23-159.17 Baht and Special x-ray are between 193.15-947 Baht. Clinical Pathology are between 14.79-554.40 Baht. Blood Bank are between 107.55-202.80 Baht. Anatomical Pathology are between 171.69-360.38 Baht. Ultrasound are 146.52 Baht. EKG are 58.83 Baht. EEG are 1,205.29 Baht. Gastroscopy are 893.01 Baht and Hemodialysis are 1,405 Baht.

The application of this research outcomes to increase the efficiency of Chonburi Hospital and others hospitals in Ministry of Public Health are recommended. Future researches should be emphasized on the development of information system for unit cost analysis, break even point of each service and how to increase the efficiency of the whole hospital and each service.