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MANEE RANGPHOLSUMRIT: UNIT COST OF PHARMACY SERVICES
IN 1998 AT CHACHOENGSAO HOSPITAL. THESIS ADVISORS: PETCHARAT
PONGCHAROENGSAK, Ph.D., ARTHORN RIEWPAIBOON, Ph.D., 108 p. ISBN
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The objective of this study was to determine unit costs of pharmacy services in the provider perspective at Chachoengsao Hospital. This study was a descriptive survey research. Type of data collection was retrospective during fiscal year 1998. Organization structure of hospital was analyzed and cost centers were identified. All cost centers were classified into three categories; non-revenue producing cost center (NRPCC), revenue producing cost center (RPCC), and patient services (PS). Direct costs of each cost center were calculated by labor costs, material costs and capital costs. Indirect costs with appropriate allocation criteria, of each pharmacy service were allocated from cost centers, which directly support pharmacy services. The full costs of each pharmacy service was a summation of direct costs and indirect costs. This final full costs were divided by the total number of each pharmacy service to produce the unit costs of outpatient pharmacy services, unit costs of inpatient pharmacy service, unit costs of drug stock, unit costs of drug compounding, and unit costs of therapeutic drug monitoring program. When costs of drugs were subtracted from full costs of each service, the operating costs would be obtained.

The results showed that full costs were 65,459,353.71 baht and total direct costs were 62,675,098.57 baht. Costs of outpatient dispensing were 170.89 baht per prescription and 59.59 baht per drug item. Costs of inpatient dispensing were 302.99 baht per prescription, 79.85 baht per drug item, 704.68 baht per patient, and 154.43 baht per patient day. For drug stock management, costs of purchasing function were 765.29 baht per order and 582.55 baht per drug item. Costs of stock dispensing function were 2,305.34 baht per sheet and 90.70 baht per drug item. Costs of drug compounding were 40.41 baht per liter of sterile drug, 100.35 baht per liter of internal non-sterile liquid dosage form, 21.89 baht per liter of external non-sterile liquid dosage form, 0.27 baht per gram of non-sterile semi-solid dosage form, and 68.07 baht per liter of antiseptic drug. Costs of Therapeutic Drug Monitoring were 5,986.02 baht per case.

The study of unit cost of all pharmacy services provides basic information for pharmacy administrator for planning and developing the department in order to improve services effectively and efficiently.