

C345692 : MAJOR COMMUNITY MEDICINE

KEY WORD : UNIT COST/LABORATORY TESTS/DIAGNOSTIC IMAGING/CHULALONGKORN HOSPITAL

PINTUSORN HEMPISUT : UNIT COST OF THE LABORATORY TESTS AND DIAGNOSTIC IMAGING AT OUT PATIENT DEPARTMENT IN CHULALONGKORN HOSPITAL. THESIS ADVISORY. ASSO.PROF.DR. PIROM KAMOLRATANAKUL, ASST.PROF.DR.BODI DHANAMUN, DR.VIROJ TANGCHAROENSATHIEN, P.hd, 249 PP. ISBN 974-581-321-4.

The research aimed at finding the unit cost of the laboratory tests and diagnostic imaging at the out patient department of Chulalongkorn Hospital in the fiscal year 1991 from the perspective of providers. This is a descriptive study to collect data by using prospective and retrospective surveys. All sections of the out-patient department were classified into 3 cost centre categories: non-revenue producing cost centre (NRPCC), revenue producing cost centre (RPCC), and patient service (PS). Direct cost of diagnostic imaging and laboratory unit was summed up with the indirect cost allocated from NRPCC using an appropriate cost allocation criteria to produce the full cost of diagnostic imaging and laboratory cost. The full cost was then divided by the total number of each type of test requested reflecting the unit cost of each type of laboratory tests and diagnostic imaging studied.

It was found that capital cost, material cost and labour cost has a share of 21.95%, 44.97% and 33.07% of the unit cost in the laboratory tests, respectively. Service charges for the laboratory tests were lower than the unit cost except CBC, malaria, LE-cell, ESR, reticulocyte, acid phosphatase, stool examination. Most of the numbers of tests requested were higher than break even output except CBC, malaria, LE-cell, ESR, reticulocyte, acid phosphatase, stool examination. In diagnostic imaging capital cost, material cost and labour cost has a share of 39.44%, 32.68% and 27.88% of the unit cost, respectively. Service charges for the diagnostic imaging were higher than the unit cost except general X-ray, ERCP, hysterosalpingography, myelography, dacryocystography, ultrasound, teeth. Most of the numbers of tests requested were lower than break even output except general X-ray, ERCP, hysterosalpingography, myelography, dacryocystography, ultrasound, teeth.