

Thesis Title Cost analysis of Rural Health Centre
Chak Jhumra, Faisalabad District, Pakistan
a case study.

Name Mian Zahid Malik

Degree Master of Primary Health Care Management

Thesis Supervisory Committee

Som-arch Wongkhomthong
M.D., M.P.H., D.H.Sc., D.T.M.& H.
Wattana S. Janjaroen, Ph.D.
Sommai Wansorn
B.Sc.(Hons.), M.Ed., M.As., C.A.S.
Chaweewon Boonshuyar
B.Ed., M.S.(Applied Stat.) 1st Hons.
M.S.P.H. (Bios.)

Date of Graduation 11 August, B.E. 2538 (1995)

Abstract

A retrospective descriptive study of the cost analysis of rural health centre, Chak Jhumra, Faisalabad was done for the year 1993-94. The objectives of the study was to analyze the total annual costs incurred on rural health centre and to calculate the total cost and unit cost of different services of the health centre.

The capital costs for building, equipment, furniture, vehicle, linen and bedding were annualized as Equivalent Annual Cost (EAC) by taking the present market prices and using a discount rate of 10%. To calculate recurrent cost of salaries, drugs/supplies and maintenance actual expenditure was considered. The total cost was apportioned under the different health activities at the rural health centre on the basis

of time and space utilization. Their unit costs were calculated by getting the information of total number of units of different health activities from records at the rural health centre.

A total of 2,374,614 (US\$ 87,948.66) was incurred on the rural health centre during the study period, 53.64% was recurrent costs. Salaries constituted 41.26 of the total costs. A sum of Rs. 41.67 (US\$ 1.54) per head per year on the primary health care was spent. Regarding the distribution of costs of the different health activities at the RHC, 37.44%, 17.06%, 12.85%, and 9.84% were incurred on OPD, inpatient, maternity care and diagnostic radiological services respectively. Only 2% of the total costs was spent on immunization programme.

Rs. 79.77 (US\$ 2.95) were incurred on each patient of the OPD. The most expensive activity at the centre was the inpatient i.e., Rs. 4,449.97 (US\$ 164.81) were incurred on each inpatient. Rs. 418.89 (US\$ 15.51) were incurred on providing antenatal and postnatal care to each pregnant woman. Rs. 62.45 (US\$ 2.31) were incurred on each beneficiary of vaccination programme i.e., pregnant mothers and children. The cost of a patient getting treatment for dental problem was estimated as Rs. 923.08 (US\$ 34.18). The cost of per exposure came out as Rs. 92.42 (US\$ 3.42) in the diagnostic radiological department. Per patient cost at sub health centre was calculated as Rs 104.4 (US\$3.87), somewhat costly than a patient of OPD of the RHC. Rs 50.20 (US\$ 1.85) have to spent on each case of medico-legal and postmortem examination.

It is recommended that record keeping should be proper and its importance be realized. Specialists should be posted and medicines be supplied according to the demand of rural health centre.