

**ECONOMIC BURDEN OF HIV/AIDS IN MYANMAR:
PROVIDER PERSPECTIVE**



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This study emphasizes on how to estimate the provider direct cost for the treatment and prevention of HIV/AIDS patients in Myanmar for the next 5 years. Since there is no such study conducted in Myanmar, it is a good starting point for further and more in-depth study.

This thesis is a methodologic study using a costing model which calculates the cost of treatment and prevention of HIV/AIDS patients. HIV/AIDS cases are projected for the next 5 years and the cost to be incurred by the Government is projected by Epimodel.

In order to calculate the cost of treatment and investigation, the data were collected from 40 AIDS patients admitted to the Infectious Diseases Hospital, Yangon, Myanmar from April 1 1994 to March 31 1995. The calculation of the cost of prevention was based on the information obtained from discussion with health personnel from the Central Health Education Bureau, Department of Health, Myanmar.

HIV point prevalence is estimated based on sentinel surveillance reports. Variables required for insertion in the Epimodel are also estimated. Baseline, medium and high intervention scenarios of HIV/AIDS are constructed by using some assumptions.

In this study, the economic burden of HIV/AIDS according to different scenarios is calculated and costs for each cost item and each activity in each scenario in each year are calculated and compared. Given the assumptions, the total provider costs for HIV/AIDS with and without screening are 644.2 million kyats and 560 million kyats respectively for the next 5 years in baseline interventions.

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ABBREVIATIONS

AIDS	: Acquired Immuno-deficiency Syndrome
AIW	: AIDS in the World
ANC	: Antenatal Clinic
ARC	: AIDS Related Complex
AZT	: Azidothymidine
CBR	: Crude Birth Rate
CC	: Capital Cost
CDR	: Crude Death Rate
CHEB	: Central Health Education Bureau
CMSD	: Central Medical Store Depot
CSW	: Commercial Sex Worker
DOH	: Department of Health
GDP	: Gross Domestic Product
GPA	: Global Program on AIDS
HIV	: Human Immuno-deficiency Virus
IDH	: Infectious Diseases Hospital
IDU	: Intra-venous Drug User
IP	: In-patient
IPD	: In-patient Department
LC	: Labor Cost
MC	: Material Cost
MCC	: Medical Care Cost
MOH	: Ministry of Health
MONPED	: Ministry of National Planning and Economic Development
NESDP	: National Economic and Social Development Program
NGO	: Non-Governmental Organization
NHC	: National Health Committee
NHP	: National Health Plan
NRPCC	: Non Revenue Producing Cost Center
OP	: Out-patient
OPD	: Out-patient Department
PGL	: Persistent Generalized Lymphadenopathy

ABBREVIATIONS (Continued)

PHC	: Primary Health Care
PHP	: People Health Plan
PS	: Patient Service
RPCC	: Revenue Producing Cost Center
RSC	: Routine Service Cost
SEA	: South East Asian
SEARO	: South East Asian Regional Office (of WHO)
STD	: Sexually Transmitted Diseases
TB	: Tuberculosis
UCLA	: University of California, Los Angeles
UNDP	: United Nations Development Program
WHO	: World Health Organization