## Appendix A

Indicators

Mortality

-Easily available, basic, once in life(incidence), no special skill apart from death certification and reporting (Advantage).

-Mere mortality data include only toll of deaths due to specific diseases. Can not access to vulnerable age groups (Disadvantage).

Morbidity

-Episodes of illnesses occur much more often than death. Good recording system can describe magnitude of problems in terms of human sufferings, resource spending and clue for planning (Advantage).

-Subjective illnesses can not be recorded all the time. (Disadvantage).

PYLL (Potential Years of Life Lost)

-Medium applicability, less time and other resources required, need less technology, consider age at each death and can explore risk group (Advantage).

-Lack of consideration for morbidity, prolonged disability with low mortality(Disadvantage).

DALY (Disability Adjusted Life Years)

-Detailed and include both burden of premature mortality and disability. Therefore it is suitable for diseases with low mortality and prolonged disability (Advantage).

-Need detail information, sophisticated technology, more time, budget and manpower (Disadvantage).

## APPENDIX B

PROPOSED IMPLEMENTATION PLAN
(Year 1997-1998)

This project will be implemented during year 1997 and 1998. Prject implementation plan is as follow:

| Sr | Activity | Apr to Oct | Nov | Dec | Jan | Feb | Mar | Apr | May |
|---|---|---|---|---|---|---|---|---|---|
| 1. | Data source exploration | → | | | | | | | |
| 2. | Compilation and adjustment of collected data | | → | → | | | | | |
| 3. | Report writing(first draft) and taking opinion from experts | | | | → | | | | |
| 4. | Final adjustment of data | | | | | → | → | | |
| 5. | Consultation to experts and writing of final report | | | | | | | → | → |
| 6. | Submission of final report | | | | | | | | → |

## APPENDIX C

## (ESTIMATED BUDGET)

| | | |
|---|---|---|
| 1. Data Collection | | |
| - Assistants (salaries for data search) | 10,000.00 | B |
| - Stationary | 2,000.00 | B |
| 2.Data compilation and analysis | | |
| - for computer expert consultation | 10,000.00 | B |
| - for specialist opinion | 10,000.00 | B |
| 3.Report typing and binding | 5,000.00 | B |
| 4.Photocopy and binding copies | 2,000.00 | B |
| 5.Transport charges | 5,000.00 | B |
| 6.Incidental expenses | 6,000.00 | B |
| | 50,000.00 | B |

## APPENDIX D

Dummy Tables

Table 1 to 7. Leading Causes of Death in 1987 to 1993

| Sr. | Diseases | Deaths |
|---|---|---|
| | | |

Table 8. Prevalence of Communicable Diseases(1987 and 93)

| Sr. | Diseases | 1987 | 1993 |
|---|---|---|---|
| | | | |

Table 9.Prevalence of Non-communicable Diseases(87 & 93)

| Sr. | Diseases | 1987 | 1993 |
|---|---|---|---|
| | | | |

Table 10. Cause and Age Specific Mortality (1987 -1993)

*Disease*

| Age Group | 1987 | 1993 |
|---|---|---|
| 0-4 | | |
| 5-14 | | |
| 15-44 | | |
| 45-64 | | |
| 65+ | | |

APPENDIX E

## OUTPUT FROM HARVARD GBD MODEL

Disease: MALARIA
Region: MYAN87
Sex : T

*INPUTS*

| AGE GROUPS (Years) | DISEASE INCIDENCE RATE | REMISSION RATE | CASE FATALITY RATE |
|---|---|---|---|
| 0-4 | 0.001331 | 0.5 | 0.0044 |
| 5 - 14 | 0.0018899 | 0.5 | 0.0012 |
| 15 - 44 | 0.0033206 | 0.6 | 0.0014 |
| 45 - 64 | 0.0014968 | 0.5 | 0.0078 |
| 65+ | 0.0007114 | 0.5 | 0.0246 |

*OUTPUT FR MODEL*

| PREVALENCE RATE PER 1000 | EXPECTED DURATION | INCIDENCE RATE PER 1000 | CAUSE SPECIFIC MORTALITY RATE |
|---|---|---|---|
| 1.6720 | 1.72 | 0.0026 | 0.007357 |
| 3.4926 | 1.55 | 0.003 | 0.004191 |
| 5.3939 | 1.48 | 0.0118 | 0.007551 |
| 3.2828 | 1.67 | 0.0 | 0.0 |
| 1.5356 | 1.45 | 0.0 | 0.0 |

| POPULATION 1000 | PREVALENCE | INCIDENCE | CAUSE SPECIFIC DEATHS |
|---|---|---|---|
| 2,754 | 4,605 | 7 | 20 |
| 5,804 | 20,271 | 15 | 24 |
| 16,089 | 86,782 | 190 | 121 |
| 4,599 | 15,098 | 122 | 118 |
| 1,580 | 2,426 | 53 | 60 |

## Student's Curriculum Vitae

| | |
|---|---|
| Name | Win Naing |
| Nationality | Myanmar |
| Date of birth | 19 August, 1959 |

Education

| | |
|---|---|
| 1992 | M.Med.Sc (Preventive & Tropical medicine)<br>Institute of Medicine (1)<br>Yangon, Myanmar |
| 1985 | M.B.,B.S<br>Institute of Medicine (1)<br>Yangon, Myanmar |
| 1979 | Diploma in Printing and Publishing |

Area of Interest

Epidemiology

Work Experience

| | |
|---|---|
| 1993- | Assistant Epidemiologist<br>Central Epidemiologist<br>Department of Health, Yangon, Myanmar |
| 1992-1993 | Divisional Team Leader<br>Vector-borne Disease Control Team<br>Magway Division, Magway, Myanmar |
| 1989-1992 | Assistant Physician<br>Civil Hospital, Yangon, Myanmar |
| 1987-1989 | Assistant Physician<br>Civil Hospital, Namkham District hospital,<br>Northern Shan State, Myanmar |