



# **ANNUAL HEALTH BULLETIN 2001**



DEPARTMENT OF HEALTH SERVICES  
MINISTRY OF HEALTH AND EDUCATION  
THIMPU : BHUTAN

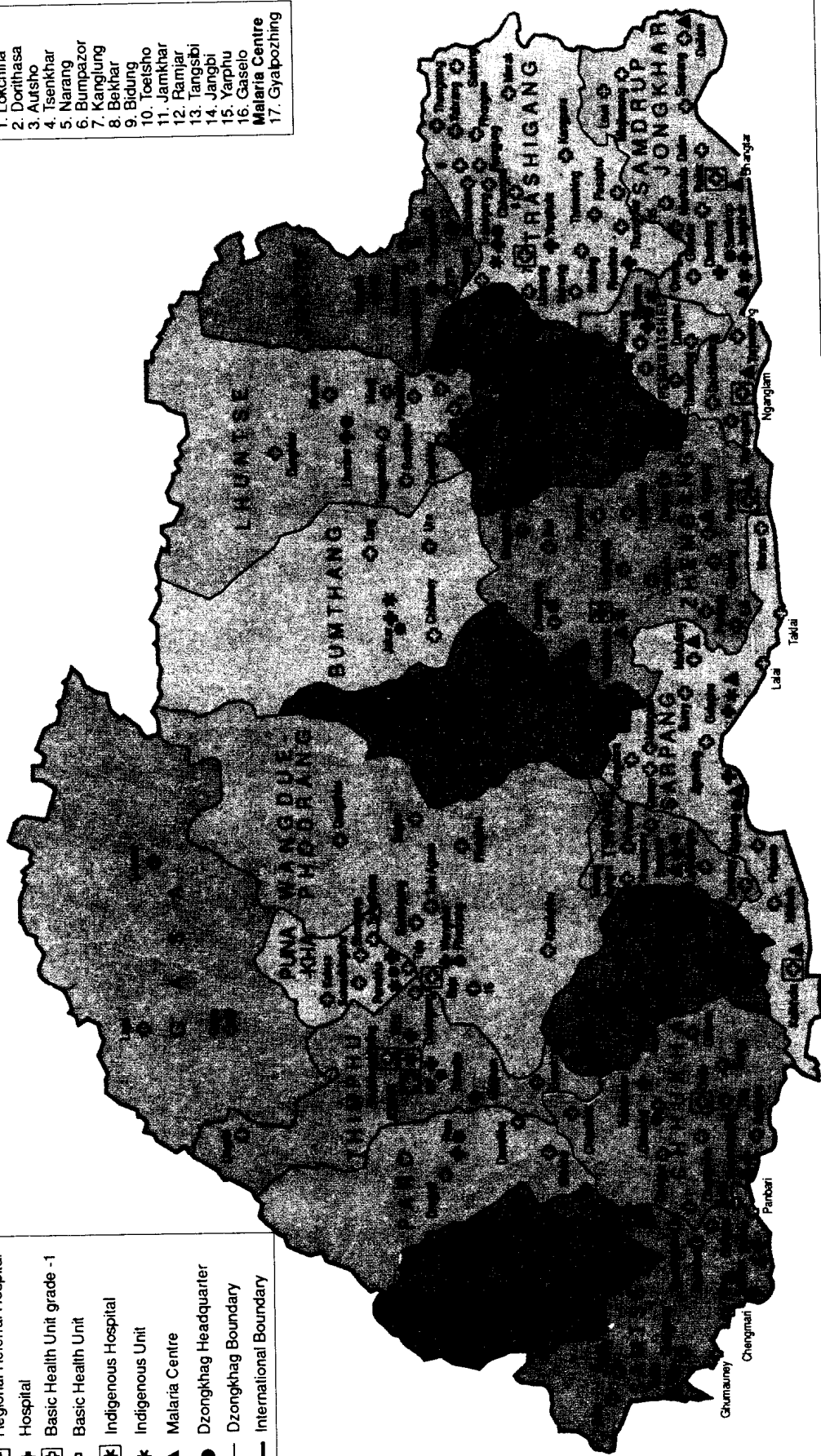
*August 2002*

*Thimphu*

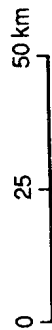
# Existing Health Facilities

| LEGEND |                            |
|--------|----------------------------|
|        | National Referral Hospital |
|        | Regional Referral Hospital |
|        | Hospital                   |
|        | Basic Health Unit grade -1 |
|        | Basic Health Unit          |
|        | Indigenous Hospital        |
|        | Indigenous Unit            |
|        | Malaria Centre             |
|        | Dzongkhag Headquarter      |
|        | Dzongkhag Boundary         |
|        | International Boundary     |

| New additional health facilities in 8 <sup>th</sup> YP |            |
|--|------------|
| BHU  |            |
| 1.   | Lokchha    |
| 2.   | Dorithasa  |
| 3.   | Autsho     |
| 4.   | Tsenkhar   |
| 5.   | Narang     |
| 6.   | Bumpazor   |
| 7.   | Kanglung   |
| 8.   | Bekhar     |
| 9.   | Bidung     |
| 10.  | Toelsho    |
| 11.  | Jamkhar    |
| 12.  | Ramjar     |
| 13.  | Tangsibi   |
| 14.  | Jangpi     |
| 15.  | Yarphu     |
| 16.  | Gaselo     |
| 17.  | Gyapozhing |



Note: Indigenous Unit not reflected in the Dzongkhags will be established during 8<sup>th</sup> Five year Plan.



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Map showing health infrastructure

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# **Section – A**

## **General Information**

## Foreword

The Annual Health Bulletin was published in 1986 for the first time and since then it has become an annual feature of information dissemination on health services delivered through various programmes and projects. This report mainly contains health data collected through routine reporting system including some survey results and research works carried out from time to time.

While the focus of this report is mainly to serve as feedback for health workers at all levels of health services in particular, there has been increasing interest shown by other sectors as a single most important information and data source on the overall impact of socio-economic development in general. This report, though not free from various limitations in terms of data quality, coverage and the contents as a whole, is intended to provide useful information to a wide range of societies at different levels and facilitate those who are interested in health related research projects.

The Health Information Unit (HIU), mainly responsible for bringing out this report, has been undergoing major changes with intensive efforts of enhancing the system to make it an efficient management tool for health services through optimum use of data/information gathered at different levels with the ultimate aim of meeting the crucial need for an effective tool for planning purposes. Thus, the Health Management Information System (HMIS), in its wider perspective, encompasses the gigantic task of help managing health system based on evidence. The HIU is still striving to fulfill this pivotal role as a central resource for not only the health information but also to take care of the whole gamut of almost all aspect of socio-economic indicators in the country despite its various difficulties and challenges.

It is through this booklet that we would like to caution all concerned that the information furnished in this bulletin is purely based on the data compiled by health facilities and does not cover the whole population of Bhutan. Therefore, it can not be taken to conform to a real and true country situation.

Looking back at the progress made in the past one year, major improvement and significant developments have been visible. The year 2001 was the last year of the 8FYP and presented an opportunity to review our progress & achievements and problems faced. The year has been particularly important for Health Department as the *global year for Mental Health*. In line with this theme, various activities have been initiated, among others, training of peripheral health workers besides advocacy and awareness creation. Consultative meetings were held involving community participation and exploration of traditional approaches to mental health problems.

In view of the constant problem of morbidity and mortality due to communicable diseases and the increasing risk of non-communicable diseases, the Department has undertaken number of activities. Various studies and surveys such as, Mental Health Survey, IEC impact study, alcohol and tobacco survey, Anaemia survey, EPI review, STD/Aids review, maternal health investigation, conducted pregnancy safer and infection control and hospital waste management studies. Other important initiatives were the preparation of the Breast Feeding policy and a Medical Health Council Act. An appropriate HIV surveillance system has been put in place. As usual, sero- surveillance and behavioral surveillance on ad-hoc basis were carried out as and when required to curb further spread of the disease. Multisectoral Task

Force for Health has been established in all the districts.

As we step into the 9<sup>th</sup> Five Year Plan, with its unique characteristic of geog-based planning & development, we foresee even greater achievement in reaching the health services to the grass roots level. Therefore, time has come for us to be well prepared to support this. Nevertheless, I am sure that with the wide-ranging experience gained so far and the sincere & dedicated support of all health workers from the field, we have no doubt that our wish would be fulfilled towards the goals and objectives set before us.

I, on behalf of this Ministry and my own behalf, would like to extend our sincere gratitude and appreciation to all collaborating agencies for their continuous support to Health. Further, we would like to appreciate our health workers placed throughout the length and breadth of the country for their tireless efforts in implementing health programmes successfully. It is our collective effort that progress & achievements are made. The same united spirit and cooperation is important to take us further forward and face the challenges ahead.

Secretary  
Ministry of Health and Education

# Introduction

The socio-economic development in Bhutan started by launching of the First Five Year Plan during the reign of the third monarch in 1961. Ever since, modern health care delivery system has also been gradually expanded throughout Bhutan. The health infrastructure has improved both in number and quality through successive Five Year Plans and by now a well-established infrastructure and service delivery network is in place.

The Department of Health Services under the Ministry of Health & Education has seen tremendous progress in the past 4 decades. It has also undergone rapid changes both in terms of organisation structure and the health services delivery system, making the overall health system an effective and efficient social sector in the development efforts of the country. The District health system in the primary level of health plays an important role in implementing the Department plans directly and this will further be integrated into a decentralised system extending further down from district to block level planning and implementation. This implies that the DMO/DHSO is solely responsible for the overall guidance, planning, implementation, monitoring and supervision of all health activities at local level. The decentralisation of health system, having gained enough experience in the integrated system of health services, is expected to be most effective in the implementation of 9FYP.

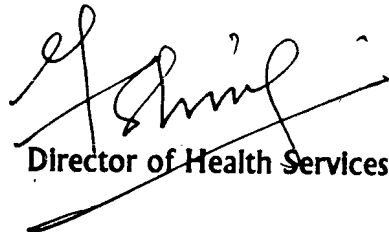
The national policy of health services is Primary Health Care (PHC) system approach whereby an integrated health delivery system is pursued ever since Bhutan became signatory to the Alma Ata Declaration for HFA strategy in 1978. All elements of Health Services are now delivered through 163 Basic Health Units spread all over the country. More than 445 Out Reach Clinics (ORCs) run by staff of the BHUs and Hospitals as routine service delivery outlets provide easy access to the prevailing PHC in the communities even to the most difficult areas. This network system is further facilitated by over one thousand Village Health Workers (VHWs) trained so far in the preventive aspects of health services. VHWs are constantly devoted to the spreading of Health messages to the community, treating simple illnesses and conducting out reach clinics.

One National Referral Hospital located at Thimphu, two Regional Referral Hospitals and 26 other District or regional level hospitals provide modern Medical care as well as referral services for the PHC network. Indigenous method of medical care is provided through 1 hospital in the capital and 19 other Indigenous Units attached to the district hospitals. The indigenous system, however, does not cater for in-patients i.e., these units deal mostly with OPD cases only. Efforts are also being made to enforce Health Education through simple practice of personal hygiene even in religious institutions. In fact, there is already a representative from the Central Monk body who is solely responsible for co-ordination of health activities between religion and health as a partnership effort towards better health. Another extensive area of health services is the School Health Programme looked after by the IECH as a major role of disseminating health information for intervention, creating awareness and mass education for the community.

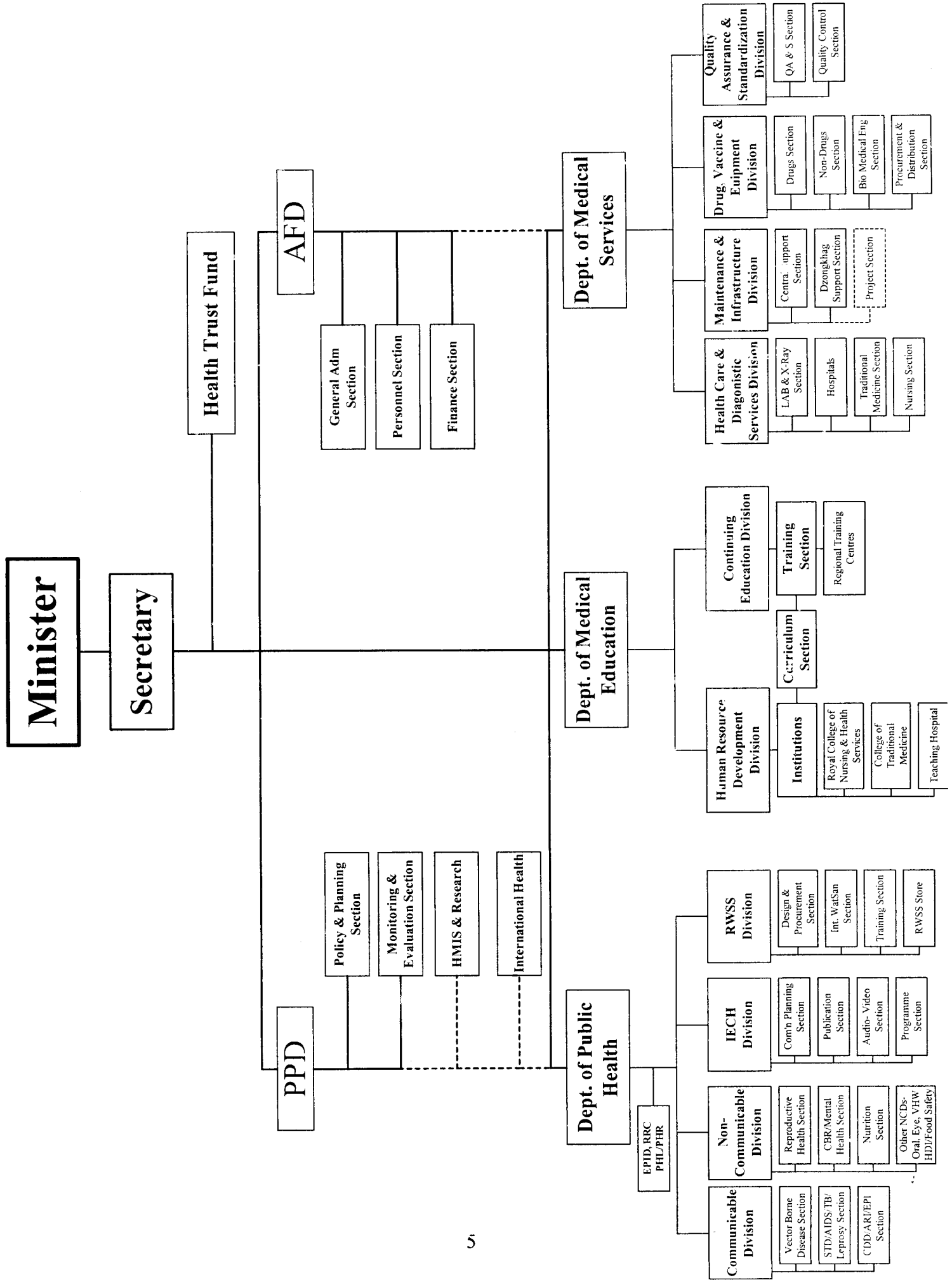
In spite of acute scarcity of human resource, Health Department manages with adequate manpower of different categories who are well trained in various fields such as, clinical, managerial and administrative fields both within and outside country. The Royal Institute of Health Sciences (RIHS) and the Institute of Traditional Medicine Services (ITMS) are the two main institutes where Nurses, Paramedical Workers, Technicians,

Dungtshos and sMenpas are trained. Although only pre-service training is imparted by these institutes, both on-the-job and refresher trainings as well as up-gradation courses have been given priority by the Department in recent years. The RIHS recently has been able to conduct even a BSc. Level Degree courses for Nurses in collaboration with the Australian Affiliation. Established in 1974, RIHS has been the nation's premier institute in the production of various categories of health manpower forming the backbone of the PHC system and bridge the gap between community and the modern Health Care facilities. The indigenous system is also committed to the production of required manpower, besides its efforts in the field of research on traditional medicine systems.

However, challenges are inevitable with regard to the numerous emerging diseases and risk for health being brought in as a result of changes in social and economic life of the general population. There are also already pressing issues on adolescent health that call for priority attention of the Government that need different policies for appropriate health interventions. Still there are other problem areas and issues that may have to be looked into carefully for a better future.

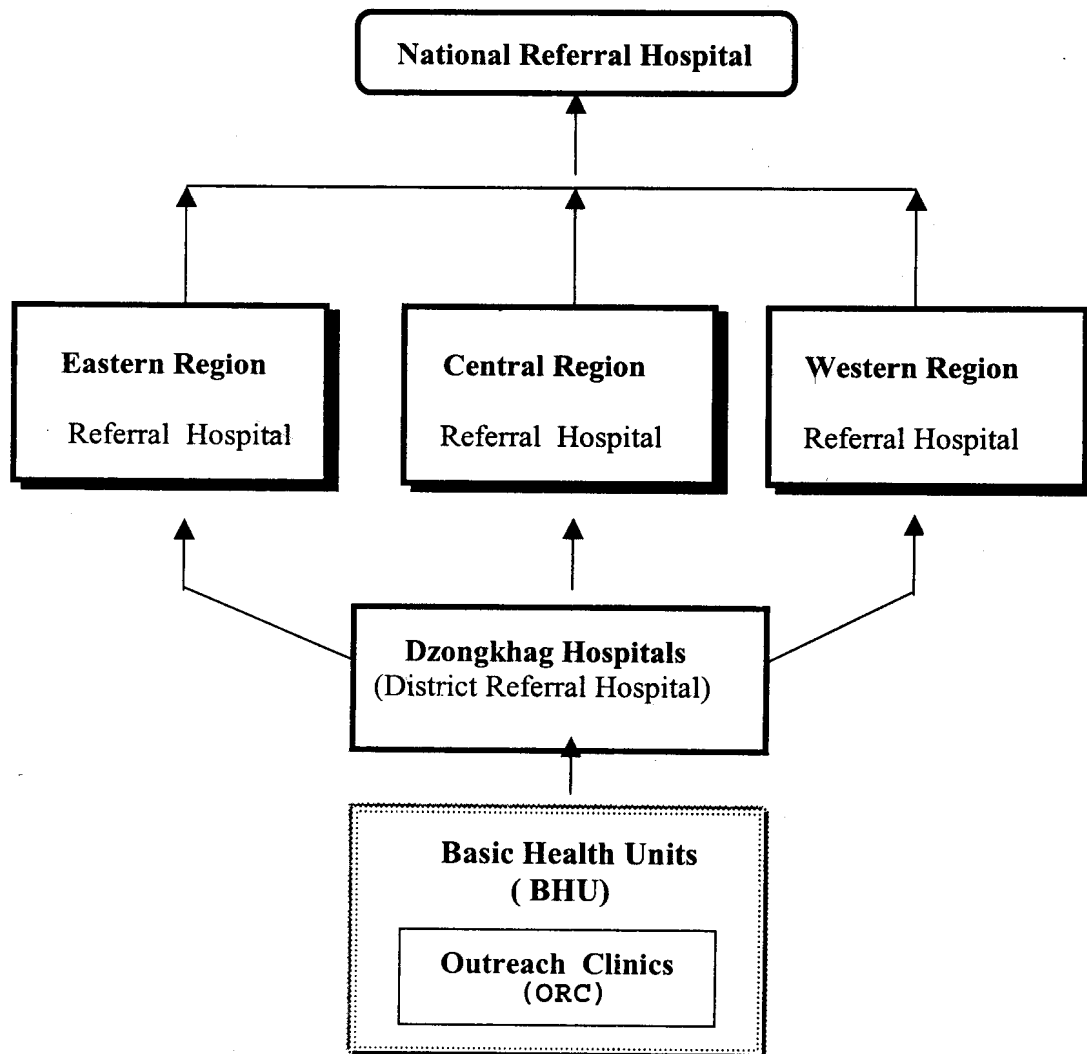


Director of Health Services



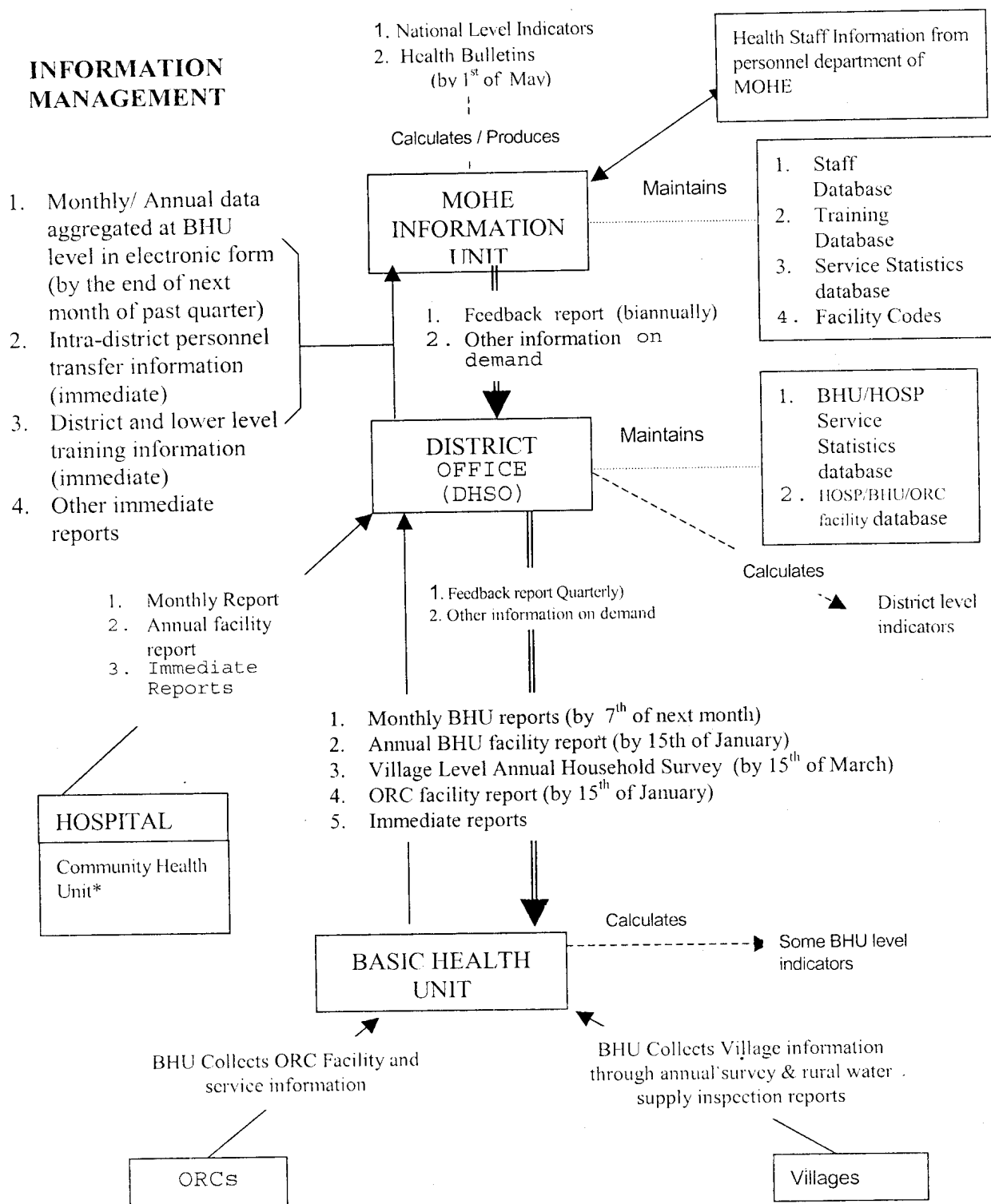
# MEDICAL STRUCTURE

## The Health Care Referral System



# Flow of Information

## INFORMATION MANAGEMENT



*Note: Some vertical programs (e.g. TB and Leprosy) reports are directly sent to respective program head quarters.*

*\* Community Health Unit (CHU) sends same information to DHISO as sent by BHUs. Morbidity data from CHU/ORCs managed by hospitals are added to the hospital OPD morbidity data."*

### Comparative Demographic indicators, 2001

| <i>Indicator</i>                                | <i>Rates</i> |             |             |
|---|--------------|-------------|-------------|
|   | <i>1984</i>  | <i>1994</i> | <i>2000</i> |
| Area (Sq. km)                                   | 46,500       | 46,500      | 46,500      |
| Population                                      | 56,205       | 63,890      | 68847       |
| Male  | 27,747       | 30,440      | 33489       |
| Female  | 28,458       | 33,450      | 35358       |
| Population under 15 years (%)*                  | NA           | 42.1        | 42.1        |
| Life Expectancy at birth (years)                | NA           | 66.1        | 66.1        |
| Urban population (%)*                           | NA           | 21          | 21          |
| Population density (%)*                         | NA           | 14.6        | 14          |
| Sex ratio (Males per 100 females)               | 102.8        | 105.1       | 106.6       |
| Dependency ratio                                | 80.0         | 91.7        | 77.4        |
| General Fertility Rate                          | 169.6        | 172.7       | 142.7       |
| Total Fertility Rate                            | NA           | 5.6         | 4.7         |
| Crude Birth Rate (per 1000 population)          | 39.1         | 39.9        | 34.1        |
| Crude Death Rate (per 1000 population)          | 13.4         | 9           | 8.6         |
| Population Growth Rate                          | 2.6          | 3.1         | 2.5         |
| Infant Mortality Rate (per 1000 live births)    | 102.8        | 70.7        | 60.5        |
| Under-5 Mortality Rate (per 1000 live births)   | 162.4        | 96.9        | 84.0        |
| Maternal mortality ratio (per 1000 live births) | 7.7          | 3.8         | 2.6         |
| Trained Birth attendance (%)                    | NA           | 10.9        | 23.6        |

Source: National Health/Demographic Surveys

\* Statistical Yearbook (2001), Central Statistical Organisation, Planning Commission, Thimphu

## Health indicators 2001

### A. Human Resource

| <i>Type of manpower</i>                     | <i>Indicator</i> |
|---|------------------|
| Number of doctors                           | 114              |
| Doctors per 10,000 population               | 1.7              |
| Ratio of doctors to hospital bed            | 1: 9             |
| No. of Drungtshos (Indigenous physicians)   | 31               |
| No. of sMenpas (Indigenous compounders)     | 23               |
| District Health Supervisory Officers (DHSC) | 23               |
| General Nurse Midwife/Staff Nurses (GNM)    | 255              |
| Health Assistants (HA)                      | 163              |
| Auxiliary Nurse Midwife (ANM)               | 133              |
| Basic Health Workers (BHW)                  | 176              |
| Assistant Nurses                            | 181              |
| Ratio of nurses to hospital bed             | 1: 5             |
| Nurses per 10,000 population                | 6.9              |
| Lab. Technicians                            | 75               |
| Dental Technicians                          | 38               |
| X-Ray Technicians                           | 21               |
| Pharmacy Technicians                        | 62               |
| O.T. Technicians                            | 14               |
| Eye Technicians                             | 19               |
| Other Technicians                           | 10               |
| Compounders/Para medical workers            | 20               |
| Malaria workers                             | 59               |

### B. Health Facilities

| <i>Type of facility</i>                          | <i>Indicator</i> |
|--|------------------|
| Number of hospitals*                             | 29               |
| Number of Basic Health Units (BHUs)*             | 163              |
| Indigenous hopsital                              | 1                |
| Indigenous Units                                 | 19               |
| Training institutes (including NIFH, Gaylegphug) | 3                |
| Outreach Clinics (ORC)*                          | 445              |
| Total hospital beds                              | 1023             |
| Population per hospital bed                      | 662              |
| Hospital bed per 10,000 population               | 15               |

Note: \* Please see annexure.



**Section – B**

**Annual Report  
on Health  
Programmes**



# **ROYAL INSTITUTE OF HEALTH SCIENCES**

## **Brief Report of the year 2001**

### **Introduction**

The Royal Institute of Health Sciences (RIHS) was established in January 1974 with UNICEF and WHO assistance as the Health School. It was upgraded as a Royal Institute of Health Sciences on 25<sup>th</sup> September 1989. The Institute is committed to train health human resources with adequate skills, motivation and competencies to provide comprehensive health care services to the people of Bhutan. The Institute also strives for the all round development of each student by forming in them habits of discipline, virtue, dedication and loyalty, and to make them useful citizens of the country.

It also provides continuing education for trained health personnel to ensure that the skills and quality of human resources keep pace with advancement in science and technology. This will enable the health workers to update their knowledge and skills to meet the demands of the changing health needs of the people.

### **Aims and Objectives**

The main aims and objectives of the Institute is to prepare and develop human resource for health in different disciplines required by the Department of Health Services for providing comprehensive health care services to the people of Bhutan.

### **Training Programme**

The current training program includes Diploma in General Nursing and Midwifery, Certificate in Health Sciences for Health Assistant and Auxiliary Nurse Midwife, and Certificate courses for Hospital Technicians. At any given point in time, there are more than 150 students. The Institute is also conducting Bachelor of Nursing conversion course for senior staff nurses in collaboration with LaTrobe University of Australia and Diploma in District Health Management and Supervision for senior Health Assistants and Auxiliary Nurse Midwives.

### **Targets**

The Institute strives to produce required number of health workers in different discipline based on the human resource master plan for the health sector.

### **Progress**

The following are the major activities carried out during the year.

1. A study on training need analysis and workload of health workers.
2. A KAP study on HIV/AIDS among students of Punakha High school
3. A study on micronutrients problem in Punakha Dzongkhag.
4. Enhanced GNM entry qualification to class 12 pass
5. Taking over and shifting of the trainees to new hostel complex
6. 92 trainees of different categories graduated and 72 more were recruited.
7. Introduction of weekly staff seminars
8. Staffing pattern approved by the RCSC
9. Published manual on Epidemiology for health workers

10. Published and circulated the 6 monthly issue of "The MIRROR
11. Strengthened the computer lab. with addition of 10 more computers.
12. Received teaching models from Japan Government

### Future plans

To conduct study on Training Need Assessment of training of Assistant clinical Officers

1. To conduct study on Training Need Analysis of health workers
2. To conduct second batch Bachelor of Nursing conversion
3. To conduct in-service and up-gradation courses
4. To focus on strengthening and improving the quality of training programmes.
5. To up-grade to a full-fledged degree college during 9<sup>th</sup> Plan

**Table showing enrolment status of trainees by category of profession**

| Category                | TRAINEES STATUS of 2001 |           |            | Graduated in 2001 |
|-------------------------|-------------------------|-----------|------------|-------------------|
|                         | Recruited               | Current   | Total      |                   |
| General Nurse Midwife   | 10                      | 18        | 28         | 14                |
| Health Assistant        | 15                      | 13        | 28         | 13                |
| Auxiliary Nurse Midwife | 15                      | 17        | 32         | 15                |
| Technicians :           | 0                       | 0         | 0          | 0                 |
| Laboratory              | 10                      | 6         | 16         | 7                 |
| X-ray                   | 4                       | 4         | 8          | 2                 |
| Pharmacy                | 4                       | 3         | 7          | 6                 |
| Dental                  | 4                       | 3         | 7          | 3                 |
| Eye                     | 4                       | 3         | 7          | 2                 |
| Physiotherapy           | 4                       | 3         | 7          | 3                 |
| Operation Theatre       | 3                       | 3         | 6          | 5                 |
| Basic Health Workers    | 0                       | 0         | 0          | 11                |
| Assistant Nurses        | 0                       | 0         | 0          | 11                |
|                         | <b>73</b>               | <b>73</b> | <b>146</b> | <b>92</b>         |

### Problems

No major problems were faced in executing the training programmes during the year. However, there is need to recruit and appoint requisite and appropriate teaching staff in view of the enhanced GNM entry qualification and introduction of B.Sc. Nursing programme.

### Conclusion

The RIHS takes great pride in being able to contribute significantly towards the overall development of health services by producing requisite numbers of health workers, nurses and technicians for the health care delivery systems in the country. We will sustain our efforts in producing more qualified and better skilled professional according to human resource master plan for health. We also thank all the stakeholders for their continued support, guidance and cooperation in the development of Institute.

## TRADITIONAL MEDICINE SERVICES

The Traditional Medicine Services (TMS) have three main functions - medical services for out patients; collection and manufacturing of indigenous medicines and research; and training of Physicians and Compounders (Drungtshos & sMenpas) as a continuous process. As of now, there are 19 district-level Indigenous Units attached to the district hospitals each run by a Drungtsho and sMenpa. The medicine services function parallel to the general hospital services. In total there are 31 Physicians and 23 Compounders. Service coverage has been presented below.

The institute trains and certifies Drungtshos after a 5 years training in traditional medical sciences whereas, for sMenpas (compounders) the duration is for 3 years. This is equally applicable to other categories of technicians such as, Pharmacy Technician, etc. Training is conducted strictly according to the revised programme of the training curriculum.

### OPD treated by Indigenous Hospital & Units in 2001

| Hospital/Unit             | Number of out-patients treated | Manpower  |           |
|---------------------------|--------------------------------|-----------|-----------|
|                           |                                | Drungtsho | sMenpa    |
| 1. Indigenous Hospital    | 98018                          | 13        | 8         |
| <b>Indigenous Units :</b> |                                |           |           |
| 1. Trashigang             | 4584                           | 1         | 1         |
| 2. Trongsa                | 2053                           | 1         | 1         |
| 3. Bumthang               | 6752                           | 1         | 1         |
| 4. Punakha                | 3542                           | 1         | 1         |
| 5. Haa                    | 6986                           | 1         | 1         |
| 6. Mongar                 | 3358                           | 1         | 2         |
| 7. Gaylegphug             | 2921                           | 1         | 1         |
| 8. Samdrub Jongakhar      | 4194                           | 1         | 1         |
| 9. Pemagatshel            | 2881                           | 1         | 1         |
| 10. Yebilabtsa            | 2008                           | 1         | 1         |
| 11. Paro                  | 10212                          | 1         | 0         |
| 12. Trashiyangtse         | 1518                           | 1         | 0         |
| 13. Lhuntse               | 3353                           | 1         | 0         |
| 14. Dagana                | 1188                           | 0         | 1         |
| 15. Tsirang               | 1383                           | 1         | 1         |
| 16. Samtse                | 3415                           | 1         | 1         |
| 17. Wangdi Phodrang       | 3669                           | 1         | 0         |
| 18. Chhukha               | -                              | 1         | 1         |
| 19. Gasa                  | 262                            | 1         | 0         |
| <b>Total :</b>            | <b>96569</b>                   | <b>31</b> | <b>23</b> |

During 2001, 8 Drungtshos have undergone 3 weeks tour to identify and study the herbal medicinal plants in the country. A team of 5 Drungtsho trainees were also sent for an orientation study tour to 3 Dzongkhags for 10 days. A total of 6 sMenpas have successfully completed and joined their regular service in traditional medical profession.

# REPRODUCTIVE HEALTH AND POPULATION

## Introduction

Over the ages the Reproductive Health activities in Bhutan has made satisfactory progress in all aspects. This is indicated by the improvement in the major programme indicators. In the field of Maternal health, Maternal Mortality ratio (MMR) has been brought down from 7.7/ 1000 live birth (1984) to 2.55 death / 1000 live birth (2000) in the span of less than 2 (two) decades. Antenatal attendance and trained deliveries are similarly improving. Maternal death investigation has been introduced through out the country since June 2001.

Above 90% infant immunisation is maintained throughout the last decade. Regular growth monitoring is being expanded to include all children under 5 years of age. In the family planning side the contraceptive prevalence rate (CPR) has increased from 18.8 (1994) to more than 30% (2000) within a span of 5 years. Contraceptive usage rate shows a uniform distribution of all methods throughout the country. IUD insertion facilities are being expanded to almost 90% of Health facilities by training of health workers in IUD insertion and supplying IUD insertion kits.

Uniform Cervical Cancer screening prevention programme is expanded to Paro dzongkhag. Advocacy and IEC addressing adolescent Reproductive Health issues are being introduced through different methods and media.

### **The immediate objectives for the year 2000 were as follows.**

1. To increase access to Reproductive Health Services.
2. To procure and supply adequate equipment/ instruments and contraceptives.
3. To improve skill and knowledge of Health workers.
4. To generate communities support to the programme and increase knowledge about Reproductive Health.
5. Conduct field studies and research on issue related to reproductive Health.
6. To improve supervision and monitoring at all level.

## ACHIEVEMENTS AND CURRENT STATUS OF PROGRAMME ACTIVITIES.

### *FAMILY PLANNING:-*

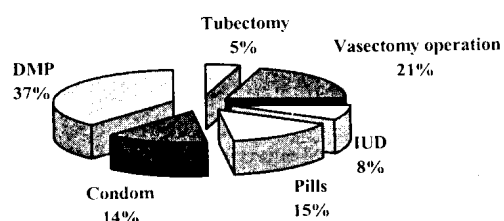
It is not possible to come to any definite inference regarding the trends and progress of the Family Planning activities as the report from Dzongkhags are not uniform. The following are some of the observation

- ❖ New users of IUD shows a slight increase from 2601 in the year 2000 to 2796 in the year 2001.
- ❖ Current user in DMPA shows an increasing trend, while it has decreased in OCP from 7379 to 6216.

**Table 1: Contraceptive use**

| <i>District</i> | <i>TO</i>   | <i>VO</i>   | <i>IUD</i>  | <i>Pills</i> | <i>Condom</i> | <i>DMPA</i>  | <i>Total</i> |
|-----------------|-------------|-------------|-------------|--------------|---------------|--------------|--------------|
| Bumthang        | 22          | 197         | 103         | 83           | 39            | 409          | 853          |
| Chhukha         | 547         | 1442        | 653         | 1205         | 1081          | 1961         | 6889         |
| Daga            | 13          | 282         | 26          | 680          | 640           | 673          | 2314         |
| Gasa            | 0           | 0           | 0           | 92           | 51            | 234          | 377          |
| Haa             | 30          | 64          | 8           | 183          | 150           | 153          | 588          |
| Lhuntse         | 23          | 309         | 96          | 106          | 71            | 560          | 1165         |
| Mongar          | 31          | 430         | 180         | 292          | 328           | 1214         | 2475         |
| Paro            | 110         | 249         | 186         | 664          | 521           | 1620         | 3350         |
| Pemagatshel     | 4           | 291         | 52          | 29           | 162           | 286          | 824          |
| Punakha         | 171         | 331         | 61          | 108          | 94            | 477          | 1242         |
| S'Jongkhar      | 116         | 1285        | 127         | 260          | 338           | 862          | 2988         |
| Samtse          | 239         | 1883        | 122         | 308          | 379           | 453          | 3384         |
| Sarpang         | 282         | 1022        | 402         | 509          | 239           | 852          | 3306         |
| Thimphu         | 133         | 305         | 124         | 413          | 226           | 550          | 1751         |
| Trashigang      | 4           | 330         | 69          | 176          | 485           | 1450         | 2514         |
| Trashiyangtse   | 13          | 445         | 259         | 28           | 235           | 270          | 1250         |
| Trongsa         | 80          | 170         | 70          | 62           | 82            | 340          | 804          |
| Tsirang         | 44          | 100         | 41          | 210          | 130           | 356          | 881          |
| W'Phodrang      | 6           | 151         | 39          | 339          | 448           | 571          | 1554         |
| Zhemgang        | 66          | 356         | 225         | 220          | 125           | 785          | 1777         |
| <b>TOTAL:</b>   | <b>1941</b> | <b>9884</b> | <b>2881</b> | <b>6126</b>  | <b>6016</b>   | <b>14740</b> | <b>41586</b> |

**Contraceptives methods used**



## Maternal Care services

### 1. Antenatal Care :-

Slight increase was observed in Antenatal registration (new cases), however, average no of visit / women remains almost static (2.4 visits). In some Dzongkhags only about 90% of the registered women are coming back for a second visits.

#### Antenatal Attendance

Table II

| <i>District</i> | <i>Antenatal cases</i> |            |                                    |
|-----------------|------------------------|------------|------------------------------------|
|                 | <i>New</i>             | <i>Old</i> | <i>Average time attended/woman</i> |
| 1. Bumthang     | 225                    | 756        | 3.36                               |
| 2. Chhukha      | 1813                   | 5270       | 2.91                               |
| 3. Daga         | 293                    | 256        | 0.87                               |
| 4. Garsa        | 26                     | 55         | 2.12                               |
| -5. Haa         | 127                    | 168        | 1.32                               |
| 6. Lhuntse      | 346                    | 509        | 1.47                               |
| 7. Mongar       | 856                    | 1082       | 1.26                               |
| 8. Paro         | 734                    | 1708       | 2.33                               |
| 9. Pemagatshel  | 271                    | 261        | 0.96                               |
| 10. Punakha     | 518                    | 1144       | 2.21                               |
| 11. S'Jongkhar  | 889                    | 1847       | 2.08                               |
| 12. Samtse      | 1175                   | 3257       | 2.77                               |
| 13. Sarpang     | 942                    | 2426       | 2.58                               |
| 14. Thimphu     | 2423                   | 8970       | 3.70                               |
| 15. Trashigang  | 867                    | 1522       | 1.76                               |
| 16. T'Yangtse   | 338                    | 480        | 1.42                               |
| 17. Trongsar    | 301                    | 554        | 1.84                               |
| 18. Tsirang     | 318                    | 697        | 2.19                               |
| 19. W'Phodrang  | 959                    | 1402       | 1.46                               |
| 20. Zhemgang    | 489                    | 1077       | 2.20                               |
| Total :         | 13910                  | 33441      | 2.40                               |

The report shows that 60.5% of women have attended antenatal clinic at least once during their pregnancy.

## Postnatal Attendance

Though no remarkable increase has been observed in new registration but the new repeat visits are encouraging. A proportion of 117% of the women are visiting PNC 2 times or more during postnatal period.

## Postnatal Attendance

Table III

| Sl.No | Dzongkhag        | Clinic Attendance |       |
|-------|------------------|-------------------|-------|
|       |                  | New               | Old   |
| 1     | Bumthang         | 300               | 256   |
| 2     | Chhuka           | 1212              | 1796  |
| 3     | Dagana           | 351               | 248   |
| 4     | Gasa             | 4                 | 5     |
| 5     | Haa              | 168               | 13    |
| 6     | Lhuntse          | 357               | 370   |
| 7     | Mongar           | 888               | 2744  |
| 8     | Pemagatshel      | 324               | 284   |
| 9     | Punakha          | 395               | 314   |
| 10    | Paro             | 356               | 547   |
| 11    | Samdrub Jongkhar | 791               | 855   |
| 12    | Sarpang          | 667               | 310   |
| 13    | Samtse           | 821               | 818   |
| 14    | Tashigang        | 668               | 301   |
| 15    | Thimphu          | 802               | 353   |
| 16    | Tsirang          | 148               | 135   |
| 17    | Trongsa          | 258               | 332   |
| 18    | Tashiyangtse     | 255               | 236   |
| 29    | Wangdi Phodrang  | 698               | 1413  |
| 20    | Zhemgang         | 396               | 188   |
|       | TOTAL            | 9832*             | 11536 |

\* 42.7% of total deliveries

## Trained deliveries:-

There is substantial increase in trained birth attendance in the year 2001(4257 in the year 2000). Among the attended deliveries 92.94% were normal deliveries and 1.5% had still births.

**Trained attendance during labour:-**
*Table IV*

| S.No | Dzongkhag    | Clinic Attendance |              |                  |                              |
|------|--------------|-------------------|--------------|------------------|------------------------------|
|      |              | Normal Deliveries | Still Birth  | Referred in /out | Average time attended/ women |
| 1    | Bumthang     | 205               | 3            | 11               | 219                          |
| 2    | Chunka       | 632               | 14           | 82               | 728                          |
| 3    | Dagana       | 60                | 3            | 4                | 67                           |
| 4    | Gasa         | 21                | 1            | 0                | 22                           |
| 5    | Haa          | 58                | 0            | 0                | 58                           |
| 6    | Lhuntse      | 246               | 4            | 28               | 278                          |
| 7    | Mongar       | 700               | 7            | 13               | 720                          |
| 8    | Pemagatshel  | 298               | 3            | 0                | 30                           |
| 9    | Punakha      | 255               | 8            | 23               | 286                          |
| 10   | Paro         | 243               | 6            | 38               | 287                          |
| 11   | S/Jongkhar   | 434               | 9            | 28               | 471                          |
| 12   | Sarpang      | 174               | 1            | 24               | 199                          |
| 13   | Samtse       | 420               | 8            | 30               | 458                          |
| 14   | Tashigang    | 556               | 7            | 21               | 584                          |
| 15   | Thimphu      | 346               | 1            | 11               | 358                          |
| 16   | Trongsa      | 37                | 0            | 0                | 37                           |
| 17   | Tsirang      | 234               | 6            | 13               | 253                          |
| 18   | Tashiyangtse | 132               | 2            | 15               | 149                          |
| 19   | W/phodrang   | 655               | 0            | 12               | 667                          |
| 20   | Zhemgang     | 322               | 14           | 8                | 344                          |
|      | TOTAL        | 6028<br>(92.94%)  | 97<br>(1.5%) | 361              | 6486                         |

Percentage of deliveries attended by trained health personnel = 28.2

**Complication of mother:-**

Aneamia (88.15%), Abortion (5.43%) and Hypertension (4.533%) are the commonest complication encountered during pregnancy. During, obstructed labour, breech deliveries are encountered frequently. Post partum haemorrhage and Retained placenta are the commonest complication after delivery of the baby.

**Complication of mother:-**
*Table V*

| Pregnancy    |       |       | Labour/ Delivery  |       |       | Post partum               |       |       |
|--------------|-------|-------|-------------------|-------|-------|---------------------------|-------|-------|
| Complication | Total | %     | Complication      | Total | %     | Complication              | Total | %     |
| Abortion     | 125   | 5.4%  | Obstructed Labour | 41    | 21.8% | P.P.H                     | 49    | 28.3% |
| A.P.H        | 18    | 0.8%  | Transverse lie    | 7     | 3.7%  | Retained Placenta         | 81    | 46.8% |
| P.I.D        | 102   | 4.5%  | Breech            | 52    | 27.7% | Pyrexia                   | 10    | 5.8%  |
| Aneamia      | 1983  | 88.2% | Ruptured Uterus   | 2     | 1.1%  | P.P.H / retained placenta | 22    | 12.7% |
| Hepatitis    | 1     | 0.1%  | Hypertension      | 11    | 9.9%  | others                    | 11    | 6.4%  |
| Malaria      | 6     | 0.3%  | Prematurity       | 34    | 18.1% |                           |       |       |
| Others       | 17    | 0.8%  | others            | 41    | 21.8% |                           |       |       |
| TOTAL        | 2249  | 100%  |                   | 188   | 100%  |                           | 173   | 100%  |

*Complications of pregnancy and delivery = 11.2%*

### **Maternal Death Investigation:-**

Maternal death Investigation was initiated through out the country from June 2001. Till December 2001 21 Maternal Death were reported by the Dzongkhags, of these 14 deaths were investigated (7 home deaths and 7 hospital deaths). Septicemia, Postpartum haemorrhage , severe Anemia and prolonged labour are the commonest causes of Maternal death.

**MATERNAL DEATH REPORTED THROUGH HOME VISIT 2001**

*Table VI*

| <b>S.No.</b> | <b>Dzongkhag</b> | <b>Maternal Deaths Reported</b> | <b>Investigated Maternal Deaths</b> |                 |              |
|--------------|------------------|---------------------------------|-------------------------------------|-----------------|--------------|
|              |                  |                                 | <b>Home</b>                         | <b>Hospital</b> | <b>Total</b> |
| 1            | Bumthang         | 3                               | 0                                   | 0               | 0            |
| 2            | Chukha           | 0                               | 0                                   | 0               | 0            |
| 3            | Dagana           | 0                               | 0                                   | 0               | 0            |
| 4            | Gasa             | 2                               | 1                                   | 0               | 1            |
| 5            | Haa              | 0                               | 0                                   | 0               | 0            |
| 6            | Lhuntse          | 1                               | 0                                   | 0               | 0            |
| 7            | Monggar          | 1                               | 0                                   | 0               | 0            |
| 8            | Pemagatshel      | 0                               | 0                                   | 0               | 0            |
| 9            | Punakha          | 2                               | 0                                   | 0               | 0            |
| 10           | Paro             | 1                               | 1                                   | 0               | 1            |
| 11           | Samdrup jongkhar | 3                               | 0                                   | 0               | 0            |
| 12           | Sarpang          | 1                               | 1                                   | 0               | 1            |
| 13           | Samtse           | 1                               | 1                                   | 0               | 1            |
| 14           | Tashigang        | 2                               | 0                                   | 0               | 0            |
| 15           | Thimphu          | 0                               | 0                                   | 7               | 7            |
| 16           | Trongsa          | 0                               | 0                                   | 0               | 0            |
| 17           | Tsirang          | 2                               | 0                                   | 0               | 0            |
| 18           | Tashiyangtse     | 0                               | 0                                   | 0               | 0            |
| 19           | Wangdiphodrang   | 1                               | 0                                   | 0               | 0            |
| 20           | Zhemgang         | 1                               | 3                                   | 0               | 3            |
|              | <b>TOTAL</b>     | <b>21</b>                       | <b>7</b>                            | <b>7</b>        | <b>14</b>    |

*Maternal Mortality Ratio = 91.3 per 100,000 live births*

## Child Health Care:-

There is slight increase in total child clinic attendance. In an average a child under 1 year of age visits clinic approximately five (5) times. Clinic attendance of children more than one year of age also shows an increasing trend.

86% of the weighted children are normal in nutritional status, severe degree of malnutrition (Gr.III) encountered among the weighted children is 0.6%

Child Health Care (2001)

Table VII

| Sl. No. | Dzongkhag    | Child Attendance |       |                  |       | Nutritional Status |                |                |               |       |
|---------|--------------|------------------|-------|------------------|-------|--------------------|----------------|----------------|---------------|-------|
|         |              | Infant           |       | Children 1-5 yrs |       | Normal             | Malnutrition   |                |               |       |
|         |              | New              | Old   | New              | Old   |                    | Gr.I           | Gr.II          | Gr.III        | Total |
| 1       | Bumthang     | 300              | 2248  | 0                | 1276  | 286                | 8              | 5              | 1             | 14    |
| 2       | Chunka       | 2250             | 10050 | 6                | 3760  | 8875               | 501            | 81             | 82            | 664   |
| 3       | Dagana       | 444              | 1561  | 116              | 766   | 538                | 36             | 8              | 0             | 44    |
| 4       | Gasa         | 36               | 129   | 11               | 26    | 24                 | 0              | 0              | 0             | 0     |
| 5       | Haa          | 247              | 844   | 0                | 100   | 194                | 15             | 0              | 0             | 15    |
| 6       | Lhuntse      | 374              | 2361  | 37               | 1037  | 420                | 53             | 17             | 5             | 75    |
| 7       | Mongar       | 948              | 6438  | 53               | 4687  | 2193               | 222            | 33             | 8             | 263   |
| 8       | Pemagatshel  | 334              | 1752  | 42               | 1007  | 318                | 44             | 3              | 0             | 47    |
| 9       | Punakha      | 417              | 1997  | 0                | 389   | 1899               | 72             | 17             | 0             | 89    |
| 10      | Paro         | 521              | 2904  | 4                | 568   | 496                | 28             | 1              | 0             | 29    |
| 11      | S/Jongkhar   | 970              | 5198  | 34               | 1311  | 839                | 92             | 26             | 5             | 123   |
| 12      | Sarpang      | 1026             | 5832  | 65               | 2066  | 949                | 177            | 29             | 4             | 210   |
| 13      | Samtse       | 1669             | 6019  | 93               | 422   | 1092               | 149            | 24             | 1             | 174   |
| 14      | Tashigang    | 1120             | 5643  | 32               | 3432  | 2402               | 165            | 47             | 44            | 256   |
| 15      | Thimphu      | 2217             | 8959  | 43               | 2192  | 2021               | 189            | 71             | 17            | 277   |
| 16      | Trongsa      | 322              | 1559  | 0                | 196   | 328                | 44             | 14             | 2             | 60    |
| 17      | Tsirang      | 300              | 2748  | 5                | 2134  | 876                | 23             | 6              | 3             | 32    |
| 18      | Tashiyangtse | 437              | 2341  | 33               | 1590  | 967                | 45             | 12             | 8             | 65    |
| 19      | W/Phodrang   | 748              | 3250  | 13               | 1960  | 689                | 49             | 18             | 0             | 67    |
| 20      | Zhemgang     | 504              | 3148  | 5                | 3207  | 1662               | 349            | 47             | 9             | 405   |
|         | TOTAL        | 15184            | 75085 | 592              | 32126 | 27068<br>(86.5%)   | 2261<br>(7.2%) | 1746<br>(5.6%) | 185<br>(0.7%) | 4192  |

## CERVICAL CANCER SCREENING AND PREVENTION.

Cervical cancer screening and prevention programme was also extended to Paro Dzongkhag towards the end of the year. Out of 4903 Pap smears collected and examined, pre cancerous lesions were detected is approximately 9% of the slides. Abnormal smears are being managed appropriately.

*Note: Please refer Table VIII and IX*

## OTHER ACHIEVEMENTS

### 1. **Construction :**

- a RIHS hostel construction for boys and girls is completed and occupied by the students
- b Construction of 30 ORCs were initiated in various Dzongkhags.
- C Renovation of OT and Labour room with attached toilet carried out in four dzongkhags.

### 2. **Supplies and equipment:**

- a. Essential equipment for 30 ORCs procured and distributed to all newly constructed ORCs.
- b. Procured and supplied of Anaesthetic machine in JDWNRH and blood reagent for all the BHUs and 8 nos of labour bed procured and distributed in districts.

### 3. **In-service training**

Training of all categories of health workers on Midwifery Standards, HA and ANM on Blood grouping, 10 medical doctors on assisted delivery conducted at JDWNRH,

### 4. **Training outside country.**

Training of two lab technician in Thailand for three months on Cytology, 1 Gynaecologist on Colposcopy for six months in Thailand and study tour for five health workers on EmOC for 10 days in Bangladesh and training of EmOC team in Pakistan but have to return back without completion.

### 5. **Development and printing**

EmOC protocol developed, printed and distributed to all the health centers, Menstrual health booklet in English and Dzongkhag version printed and distributed.

### 6. **Others.**

Active Cervical cancer screening programme launched in Paro as pilot study  
Revitalization of Maternal Death Investigation initiated and briefed all DMOs in June.

## **Expanded Programme on Immunization (EPI)**

### **Background**

Coinciding with International Year of the Child celebrated on 15th Nov.1979, the EPI Programme for Bhutan was launched with the objective of reducing the seven vaccine preventable diseases viz., TB, Diphtheria, Pertussis, Tetanus, Polio, Measles & Hep.B. In December 1994, the Tetanus Toxoid vaccine for pregnant woman was also introduced into the programme followed by Hep.B Vaccine in mid 1996 for children under one year of age.

The EPI services have been fully integrated into the general health services delivered through the existing hospitals, BHUs and ORCs. Overall Immunization services are provided for effective coverage with all seven antigens aimed for infants under one year of age and to all pregnant women as well as women of child bearing age between 15 – 49 years.

### **Objectives**

- To reduce the seven vaccine preventable diseases to a level at which they are no longer a public health problem.
- To procure and supply cold chain, vaccination equipments and vaccines as per country requirement.
- To maintain the quality of EPI coverage above 90%
- To achieve polio eradication by 2005
- To achieve elimination of neonatal tetanus by 2005
- To reduce Measles cases by 90% and control Measles by 2005
- To increase the safety of injection used for all EPI vaccines.
- Surveillance for Adverse Events Following Immunization (AEFI)

### **Achievement so far**

Since 1986 there has been no case of polio reported so far. In a total of 13 AFP cases reviewed by the expert committee, two of them died. The specimen were tested by WHO accredited reference laboratories in Bangkok. All of the specimen were found negative.

### **Activities in the last fiscal year**

In 2001 SNIDs was carried out as a nation wide activity. In the six High Risk Dzongkhags including one Dungkhag, coverage was as follows -

|           |   |        |
|-----------|---|--------|
| 1st round | : | 97.50% |
| 2nd round | : | 97.47% |

In high risk population under 14 Dzongkhags, coverage was as follows -

|           |   |        |
|-----------|---|--------|
| 1st round | : | 98.45% |
| 2nd round | : | 95.12% |

Besides the administration of Polio to the under-5 population in the designated areas, the health services also administered vitamin A to the same population, with age ranging from 6 months during the first round of the SNIDs. These were done based on the findings of a study carried out by the health services that revealed evidence of a wider

prevalence of sub-clinical vitamin A deficiency among our children. Vitamin A deficiency also predisposes children to infections that are life threatening.

### EPI Survey

A nation wide EPI coverage evaluation survey was conducted with the following objectives --

To evaluate immunization coverage of children

To assess drop out rates

To define specific reasons for incomplete immunization

To assess TT coverage of mothers of 0-11 months of age.

### Methodology:

A random sample of 30 clusters were selected from 16 Dzongkhags out of 20 districts in total. Each cluster sample required at least 7 children in the age group of 12-23 months and a minimum of 7 mothers of infants in the age group of 0-11 months to evaluate TT coverage. The information was gathered either through verification of immunization card or by history or by both the sources. The survey took almost one month to complete. The following table shows reported coverage evaluation.

| Antigens          | Reported coverage (routine) | Evaluated Coverage (EPI survey) |                       |
|-------------------|-----------------------------|---------------------------------|-----------------------|
|                   |                             | <i>By Card only</i>             | <i>History + Card</i> |
| BCG               | 93%                         | 94.9%                           | 99.5%                 |
| DPT3              | 94%                         | 93.5%                           | 98.6%                 |
| OPV3              | 94%                         | 94.9%                           | 98.6%                 |
| Hep-B3            | 92%                         | 91.6%                           | 96.3%                 |
| Measles           | 81%                         | 91.0%                           | 96.3%                 |
| TT2               | 66%                         | 46.1%                           | 86.3%                 |
| Fully vaccinated* | -                           | 89.7%                           | -                     |
| Valid coverage**  | -                           | 64.5%                           | -                     |

\* Fully vaccinated children before their first birthday.

\*\* Fully vaccinated children by valid doses before their first birthday.

### Reasons for incomplete immunization or no immunization

| Sl. No. | Reasons                                   | Percentage |
|---------|---|------------|
| 1       | Unaware of need for immunization          | 25.0       |
| 2       | Vaccine not available/inadequate          | 16.7       |
| 3       | Family problem including mothers' illness | 8.3        |
| 4       | Children not brought because of illness   | 8.3        |
| 5       | Other reasons                             | 41.7       |

## Maternal TT Immunization

TT coverage in 212 mothers of children 0-11 months of age

| Antigen | Card |      | History |       | Card+History |       | Not immunized |      |
|---------|------|------|---------|-------|--------------|-------|---------------|------|
|         | No.  | %    | No.     | %     | No.          | %     | No.           | %    |
| TT1     | 73   | 34.4 | 122     | 57.55 | 195          | 91.98 | 17            | 8.02 |
| TT2     | 66   | 31.1 | 117     | 55.19 | 183          | 86.32 | 29            | 13.7 |
| TT3     | 42   | 19.8 | 75      | 35.38 | 117          | 55.19 | 95            | 44.8 |
| TT4     | 24   | 11.3 | 47      | 22.17 | 71           | 33.49 | 141           | 66.5 |
| TT5     | 22   | 10.4 | 17      | 8.02  | 39           | 18.4  | 173           | 81.6 |

- Only 40 (18.7%) of mothers had vaccination cards.
- 13.7% mothers never received any dose of TT vaccine.
- TT received during injuries not taken into consideration.
- NIDs/SNID doses of TT not included

## Vaccination validity and drop out rates

The survey covered a total of 214 children in the age group of 12-23 months in all the 30 sample clusters selected from 16 Dzongkhags. It was found that 203 children or 94.9% possessed immunization cards. Among these card holders only 64.5% had valid coverage by 1 year of age. Invalid doses for DPT were: 6.9% for 1<sup>st</sup> dose, 3.0% for 2nd dose and 2.5% for 3rd dose.

The cards revealed that 94.4% children were fully vaccinated for all antigens within correct schedule. However, 5.1% of the sample children were only partially immunized and 0.5% not vaccinated at all. The drop out rates between DPT1 – DPT3 was 0.9% whereas DPT1-Measles was 3.3%.

## ARI PROGRAMME:

### 1. Brief background

The Acute Respiratory Infection (ARI) Control activities were initially carried out since 1987 after the introduction of training of health workers on Mid- level Management Course. A Programme Manager was identified in November 1992 as the ARI was contributing the highest over all morbidity in early 1990s. The ARI Programme activities are being intensified since 1993 and prime focus of the program is to reduce under 5 deaths due to pneumonia. Implementation of IMCI/ECCD during 9 FYP is expected to address effectively infant and under five mortality rates due to respiratory infections.

### 2. Present status:

#### a) ARI morbidity/mortality report from BHUs:

| ARI cases                        | 1997          | 1998          | 1999          | 2000          | 2001          |
|----------------------------------|---------------|---------------|---------------|---------------|---------------|
| <b>1. Total morbidity cases</b>  | <b>495068</b> | <b>524328</b> | <b>559377</b> | <b>569489</b> | <b>616729</b> |
| 2. Cough & Cold                  | 121195        | 123233        | 135872        | 134724        | 132940        |
| 3. Pneumonia                     | 14050         | 12054         | 12420         | 11459         | 10372         |
| <b>4. &lt; 5 Morbidity cases</b> | <b>80454</b>  | <b>82048</b>  | <b>87072</b>  | <b>82300</b>  | <b>93140</b>  |
| 5. < 5 Cough & Cold              | 18689         | 19845         | 24504         | 22426         | 24438         |
| 6. < 5 Pneumonia                 | 4369          | 4198          | 5429          | 4810          | 5365          |
| 7. < 5 death due to pneumonia    | 8             | 21            | 23            | 21            | 10            |

#### b) ARI morbidity report from Hospitals:

| ARI cases                        | 1997          | 1998          | 1999          | 2000          | 2001          |
|----------------------------------|---------------|---------------|---------------|---------------|---------------|
| <b>1. Total morbidity cases</b>  | <b>491813</b> | <b>530694</b> | <b>488287</b> | <b>510490</b> | <b>498679</b> |
| 2. Cough & Cold                  | 73592         | 74400         | 76405         | 82513         | 74409         |
| 3. Pneumonia                     | 30322         | 36224         | 37241         | 35459         | 34429         |
| <b>4. &lt; 5 Morbidity cases</b> | <b>84024</b>  | <b>81198</b>  | <b>79200</b>  | <b>79516</b>  | <b>77594</b>  |
| 5. < 5 Cough & Cold              | 17090         | 16637         | 19441         | 19995         | 18587         |
| 6. < Pneumonia                   | 7807          | 8900          | 10197         | 8687          | 8843          |
| 7. < 5 death due to pneumonia    | 0             | 0             | 0             | 0             | 7             |

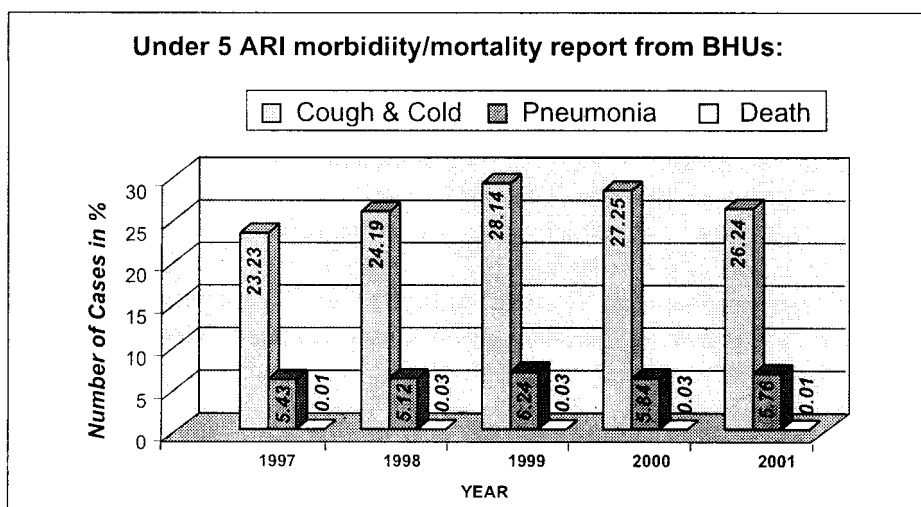
#### c) ARI Morbidity reported from BHUs in %

|                       | 1997  | 1998  | 1999  | 2000  | 2001  |
|-----------------------|-------|-------|-------|-------|-------|
| <b>Cough and Cold</b> | 24.48 | 23.50 | 24.29 | 23.66 | 21.56 |
| <b>Pneumonia</b>      | 2.84  | 2.30  | 2.22  | 2.01  | 1.68  |

#### d) ARI Morbidity reported from Hospitals in %

|                       | 1997  | 1998  | 1999  | 2000  | 2001  |
|-----------------------|-------|-------|-------|-------|-------|
| <b>Cough and Cold</b> | 14.96 | 14.02 | 15.65 | 16.16 | 14.92 |
| <b>Pneumonia</b>      | 6.17  | 6.83  | 7.63  | 6.95  | 6.90  |

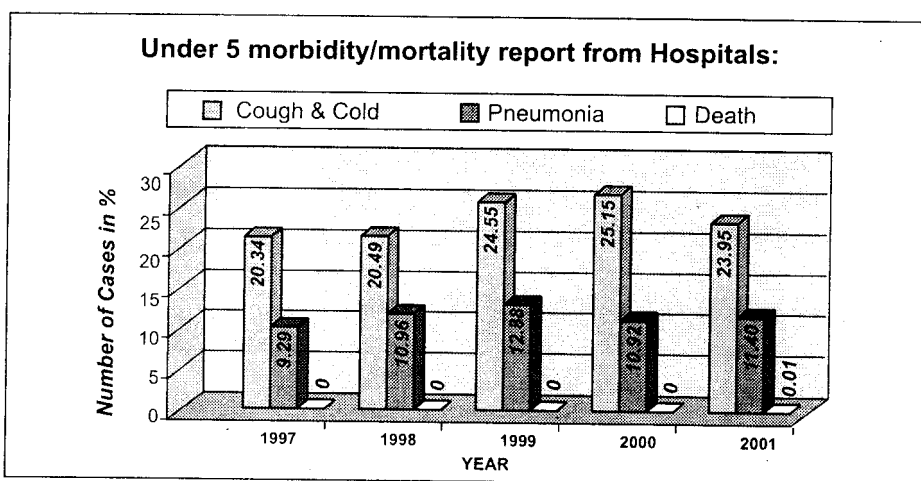
e) **Trend of under 5 ARI morbidity/mortality report from BHUs:**



**Note:**

According to BHUs under 5 morbidity report, pneumonia cases seems to be under control. However, it needs further study to keep track of the trend of mortality as according to the national health survey report of 2000, 21 % of deaths are due to ARI, which is a very high contribution to IMR. The program's concern is for the prevention and management of ARI at the household level which to a great extent depend on the effectiveness of district health services.

f) **Trend of under 5 ARI morbidity report from Hospitals:**



**Note:**

According to under five hospital morbidity report, they are dealing with more pneumonia cases in the hospitals. That means people are more aware of ARI and referrals from the periphery seems to be increasing. However, program is more concerned for the prevention of pneumonia and mortality due to pneumonia.

**3. Programme Policy/objective for 9 FYP:**

- Programme policy is to bring down ARI morbidity/mortality at a manageable level by implementing IMCI/ECCD strategies.

**4. Indicator:**

To reduce under 5 deaths due to pneumonia from 21% to below 15 % by the year 2007.

**5. Program Strategies:**

- Strengthening capacity building to improve the skills of health workers.
- Provision of supplies of drugs and equipment.
- Community participation to help diagnose and refer pneumonia cases and hence decrease mortality due to pneumonia.
- Close supervision and monitoring to help achieve objective/indicator.

# National Control of Diarrhoeal Diseases Programme

## Background

National Control of Diarrhoeal Diseases Program was initiated in 1982 in the Head Quarters & Program became operational in the district in 1984. The main reason for initiating Program was to coordinate with Dzongkhags, because of the high morbidity & mortality in the country.

The report submitted by the Hospitals & BHUs in 2001 indicates that the diarrhoeal diseases still ranks 2<sup>nd</sup> in morbidity patterns indicating 10.76 % of the total morbidity reported. However, mortality had been drastically declined indicating 3.53% of the total deaths reported from 12 districts.

### Objectives :-

- To reduce case fatality rate due to diarrhoea in children under the age of five years from 13 to 6% during the 9<sup>th</sup> Five Year Plan.
- To reduce diarrhoea incidence amongst five years of age by 21 to 10%.
- To enable mothers & care takers on management of diarrhoeal diseases at home.

### Progress during the year 2001:-

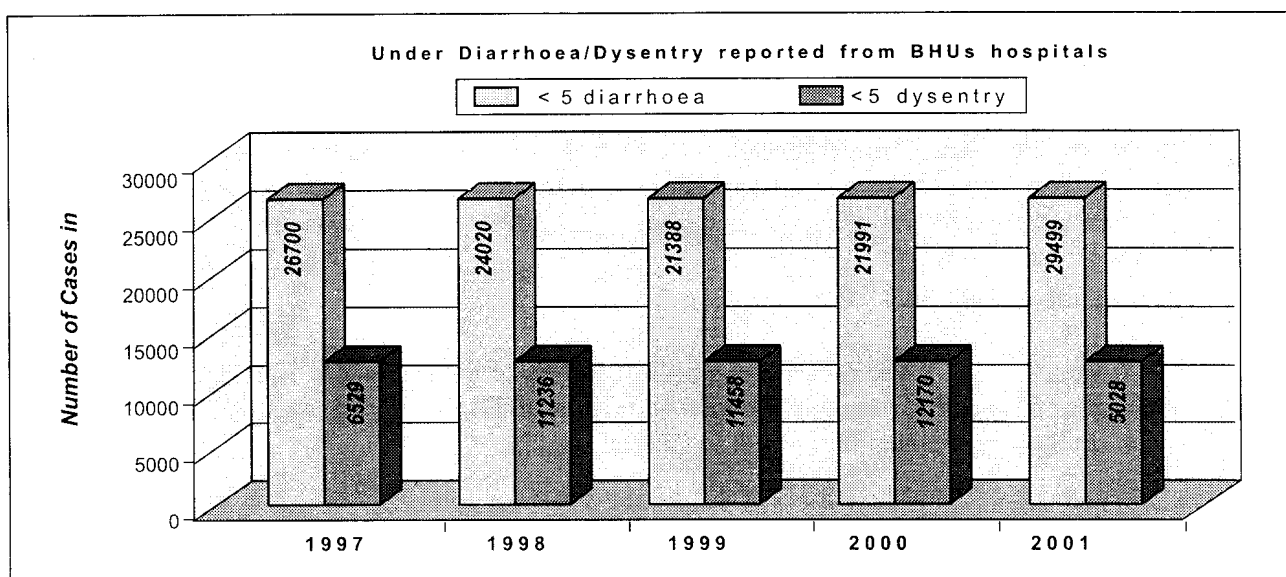
The Health Department had adapted a new strategy ie Integrated Management of Childhood Illness (IMCI) under which 5 PHD Programs are under the umbrella of this strategy. viz ARI, CDD, Nutrition, EPI and Malaria. As of now most of the IMCI related Programs were functioning discreetly, integrated work plan preparation & execution will be difficult at the initial phase. Only CDD & ARI have initiated this. The IMCI strategy addresses major child health problems, respond to demand, likely to have a major impact on child health status, promotes prevention & curative, is cost effective and improves equity.

In 2001, the program had initiated the IMCI strategy & trained 13 Health workers of various categories, Paediatricians, DMOs, GDMOs, Program people & DHSOs as training of trainers & 30 Health workers from 3 pilot districts on IMCI management during 2001. The program has a plan to expand this training to other Dzongkhag in a phased manner. Training of mothers, caregivers, & VHWs, on ORT through promotion of proper case management & awareness on IMCI/ECCD is a continued process aiming to the reduction of morbidity & mortality due to diarrhoeal diseases in the country.

During 2001 one ACO & one Health Assistant was sent for training on “**Clinical Management of Diarrhoeal Diseases**” for a period of two weeks at the International Centre for Diarrhoeal Diseases Research, Bangladesh to improve their knowledge & skills on diarrhoea management, thereby to benefit the children through their proper case management practices & imparting the knowledge & skills to their friends. Two Laboratory Technicians were also trained on “**Laboratory Diagnosis of Common Diarrhoeal Diseases Agents**” at the same Institute for a duration of two weeks to assist CDD Program to conduct Operational Research on diarrhoeal diseases at their hospital.

### Cases of diarrhoea & dysentery reported from hospitals & BHUs 1997 – 2001

| Year | Diarrhoea cases<br>< 5 years | Diarrhoea cases<br>> 5 years | Dysentery cases<br>< 5 years | Dysentery cases<br>> 5 years | Total cases reported |
|------|------------------------------|------------------------------|------------------------------|------------------------------|----------------------|
| 1997 | 26,700                       | 61,140                       | 6,529                        | 14,311                       | 108,680              |
| 1998 | 24,020                       | 56,783                       | 11,236                       | 32,609                       | 124,648              |
| 1999 | 21,388                       | 49,474                       | 11,458                       | 32,168                       | 114,488              |
| 2000 | 21,991                       | 50,812                       | 12,170                       | 34,967                       | 119,940              |
| 2001 | 29,499                       | 65,551                       | 5028                         | 13,765                       | 113,843              |



With regards to diarrhoea deaths, 38 deaths had been reported from 12 Dzongkhags which accounted 4.53% of 1075 total deaths mostly occurred above > 5 years of age & only 2 deaths were reported < 5 years showing 0.18% of the total deaths which seems to be declined, though the reports from the district is incomplete.

# NATIONAL TUBERCULOSIS CONTROL PROGRAMME (NTCP)

## I. Introduction:

National TB control Programme is an important public health Programme in Bhutan. It has been a fully integrated activity since its inception in 1976. Many review missions had been fielded as a result of which this programme has been strengthened in terms of introduction of standardized short course chemotherapy in 1994, standard reporting and recording system and DOTS since 1997. As far as feasible, all positive patients are admitted for two months and injections streptomycin is still being administered as one of the main bactericidal drugs. The concept of ambulatory DOTS is clear and is being followed wherever there are constraints with in-door admissions. During the continuation phase, family – based DOTS is being practised due to the scattered population and other geographical limitations. There are TB In-charges designated for patient recording, reporting and follow up in all the 25 reporting centers (Dzongkhags/Hospitals) in the country. Coordination activities in terms of Lab Technicians and TB In-charges in a hospital and between TB In-charges between Dzongkhags have been streamlined to facilitate patient follow up.

## II. Objectives for the 9<sup>th</sup> FYP

**1) Overall** - The overriding single objective or goal of NTCP is to prevent deaths from TB and to reduce the pool of infection of TB to such an extent that it ceases to be a public health problem in Bhutan.

### 2. Specific Objectives:

By the year 2007:

- i. 100% access to DOTS by more patient friendly and easily accessible treatment observation services through enhanced IEC and increased focus to community participation.
- ii. Improvement in the quality of services with focus on capacity building to ensure -
  - a. Gradual reduction of mortality on account of TB to such an extent that by the end of 9<sup>th</sup> FYP patient dying of TB will be less than 2.5% or so (from 5% now).
  - b. Detect at least 75% of estimated new smear positive TB cases and cure at least 85% of those detected.
  - c. Ensure that TB in HIV positive patients is diagnosed early, all such cases are promptly put on DOTS, their cure/completion of treatment ensured so that they can lead a productive life.
  - d. Multi-drug TB does not rise in the country.

## III. Strategies of NTCP to fulfill above objectives:

1. Nation-wide short course chemotherapy for all TB patients including name-patient drugs for chronic/drug resistant cases.

2. Strengthening diagnostic capabilities through establishment of laboratory facilities in health centers and appropriate training of relevant health personnel for early detection of cases through appropriate case detection methods.
3. Improved information, reporting, recording and monitoring system with enhanced patient follow up mechanisms.
4. Enhanced IEC activities in TB control to raise the awareness of the disease in all sections of society.
5. Community participation in TB control activities with wider spectrum of DOTS providers.

In nutshell, the main focus of activities in the 9<sup>th</sup> FYP will be strengthening diagnostic services, expanding the range of DOTS providers, enhanced community participation and improved monitoring and supervision of the Dzongkhags.

#### **IV. 2001 in Retrospect**

The work plan and activities for NTCP in 2001 progressed as planned. Some of the highlights are as follows.

1. A comprehensive and strategic 9<sup>th</sup> five year plan has been prepared for the programme with technical assistance from WHO.
2. 15 Dzongkhags were given financial and technical support for training of all relevant Health Workers in TB/DOTS. The rest of the Dzongkhags will be supported in 2002.
3. Financial support was given to all Dzongkhags/Hospitals (30) for observing World TB Day 2001 with the theme "STOP TB, FIGHT POVERTY". This, as usual, was an important occasion for creating awareness and reviewing the District/Hospital TB control activities.
4. A comprehensive TB control manual was developed and distributed to all Health centers and relevant institutions in the country. It is being widely followed and used as reference and training material.
5. WHO standard reference and IEC materials in TB including overheads, some posters and leaflets have been distributed to all the Dzongkhags/ Hospitals. Clinical Tuberculosis, 2<sup>nd</sup> edition by John Crofton, Norman Horne and Fred Miller has been procured and distributed to all Health Centers in the country as another standard reference material.
6. Seven Health Workers underwent short trainings and attended some workshops/seminars in the region on TB/DOTS. They will be accessed in future training activities in TB control as resource persons.
7. About 30 TB In-charges underwent an annual meeting – cum – workshop in Punakha. All relevant and senior resource persons facilitated this 3 days workshop which discussed all aspects of TB control activities in the country.

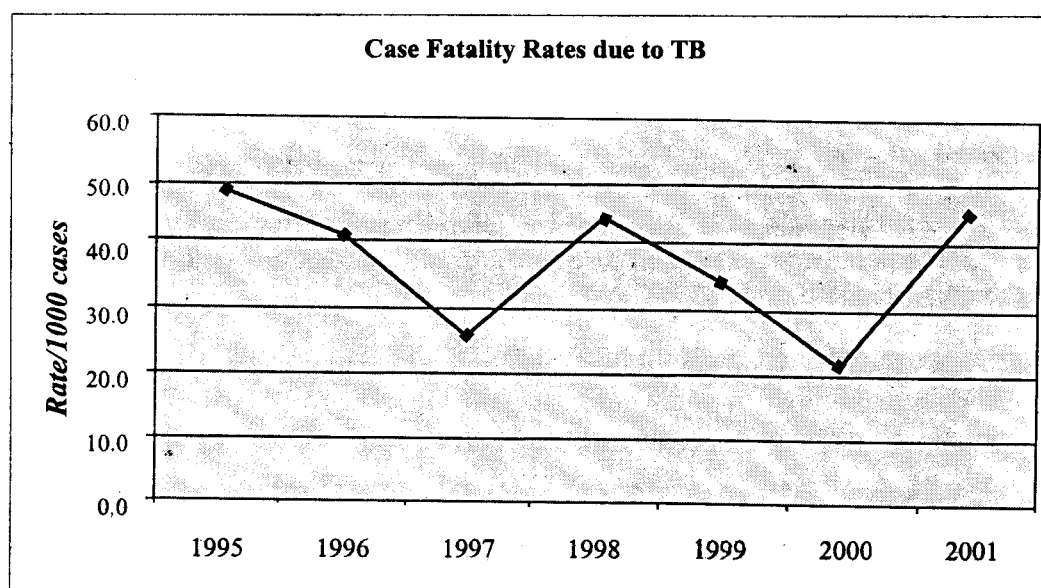
8. A 6 days training of lab technicians from all over the country was conducted on sputum microscopy including quality assurance, DOTS strategy and co-ordination between TB In-charges and lab technicians. A total of about 40 lab technicians attended this.

#### V .Epidemiology of TB in Bhutan

| <i>Year</i> | <i>Cases diagnosed and treated</i> |                        |                    |               |
|-------------|------------------------------------|------------------------|--------------------|---------------|
|             | <i>Pulmonary</i>                   | <i>Extra Pulmonary</i> | <i>Total cases</i> | <i>Deaths</i> |
| 1995        | 1014                               | 257                    | 1271               | 62<br>(48.8)  |
| 1996        | 942                                | 329                    | 1271               | 51<br>(40.1)  |
| 1997        | N/A                                | N/A                    | 1211               | 33<br>(27.3)  |
| 1998        | 924                                | 368                    | 1292               | 55<br>(42.6)  |
| 1999        | 778                                | 396                    | 1174               | 40<br>(34.1)  |
| 2000        | 777                                | 363                    | 1140               | 25<br>(21.9)  |
| 2001        | 719                                | 312                    | 1031               | 47<br>(45.6)  |

*Note: Figures within brackets show Case Fatality Rate per 1000 cases.*

- (1) Case detection rate -- 77%.
- (2) Treatment success rate -- > 90%.
- (3) Cases in 15 –44 years age – 73% (only sputum +ve cases)
- (4) Male: Female ratio = 54:46.
- (4) Sputum conversion rate at second month- 71%.



# STD/AIDS CONTROL PROGRAMME

## **I. Introduction:**

Bhutan initiated National STD/AIDS Control Programme in 1988. Prior to this, Sexually Transmitted Diseases (STDs), though managed through the various health facilities, were not targeted with active prevention measures. The Short Term Plan (STP) developed in 1989 to counter the spread of the global AIDS pandemic had brought STDs under attention. This led to the formulation and implementation of a three year Medium Term Plan (MTP-I) in 1990. And again in 1995, Strategic Medium Term Plan was developed to address the prevention of sexual transmission of HIV.

## **II. Situation Analysis**

### *Current Situation Assessment*

Although only a few HIV infections have so far been detected, but given the HIV/AIDS epidemic situation in the neighbouring countries, the Government as well as private sector in Bhutan are concerned about the future infection from HIV. So far, 29 HIV positive cases have been diagnosed.

Despite low prevalence of HIV infection at the moment, the country is at a significant risk of a widespread epidemic if timely interventions are not made. The major factors responsible for this may be liberal sexual mores that is prevalent in most parts of the country. A recent survey has shown that the HBs AG prevalence in a study population (ANC attendants & hospital outpatients) is to the tune of about 20%. These factors are compounded by the increased mobility of the people both within and outside the country. A nagging concern is that commercial sex workers are today not only limited to the bordering areas but also is becoming evident in some other major townships in the country.

The problem of intravenous drug use is not a major concern at present. However, emergency of this problem needs to be kept under surveillance as a few stray cases have been reported.

## **III. Program objectives/policy objectives**

1. Reduce risk of STD and HIV transmission
2. Reduce the morbidity & mortality associated with HIV/AIDS & STI
3. Reduce the social and economic impact of HIV infection & AIDS
4. VCT services and HIV surveillance system established in All Dzongkhags by 2007

## **IV. Strategies**

1. Prevent sexual transmission through multi-sectoral approach and IECH
2. Prevent transmission through blood and blood products
3. Prevent vertical transmission
4. Counselling and care facilities established
5. Program Strengthening and management

## **V. Implementation Strategy**

The programme will be coordinated and implemented by the Health Department. The programme will develop strategies, plan of activities, and monitor and evaluate the programme implementation. The programme will mainly focus on technical and operational support to the multi-sectoral response. Various units of the Department will involve in implementing the STD/AIDS programme activities. And activities will be decentralised at the Dzongkhags and geog levels. Further, relevant ministries, private sector and community-based organizations will identify focal points and develop workplans in collaboration with programme.

## **VI. Monitoring and evaluation mechanism**

Trends in HIV infection will be monitored through surveillance such as reporting of syndromes, analysis of sentinel data and monitoring of RPR prevalence among antenatal clinic attendees. Further, the programme will monitor through:

- Behavioural survey
- Progress Reports
- Internal and external reviews of the program

At the national level, the National AIDS Committee, which is multi-sectoral in nature, will be expanded to include a representative of the private sector. The AIDS Committees will continue to coordinate AIDS prevention efforts at the district level.

## **Condoms and Their Use in Preventing HIV Infection and Others STDs**

With nearly 29 people infected with HIV, most of them through sexual transmission, and an estimated 1084 cases of other sexually transmitted diseases occurring each year in the country (Bhutan), effective strategies for preventing these diseases are critical. Refraining from having sexual intercourse with an infected partner is the best way to prevent transmission of HIV and other STIs. But for those who have sexual intercourse, latex condoms are highly effective when used consistently and correctly.

### ***Condoms are effective in preventing HIV and other STDs***

The correct and consistent use of condoms during sexual intercourse can greatly reduce a person's risk of acquiring or transmitting most STIs, including HIV infection, Gonorrhea, Chlamydia, Trichomonas, human papilloma virus infection (HPV), and hepatitis B. Protecting yourself and others against STIs is important because it is life threatening and has no cure especially HIV/AIDS.

Laboratory studies show that condoms are very effective barriers to HIV and other STIs. In addition, several studies provide compelling evidence that condoms are highly effective in protecting against HIV infection when used for every act of intercourse. This protection is most evident from studies of couples in which one member is infected with HIV and the other is not, i.e., "discordant couples." In a 2-year study of discordant couples in Europe, among 124 couples that has reported consistent use of condoms, none of the uninfected partners became infected. In contrast, among the 121 couples who used condoms inconsistently, 12 (10%) of the uninfected partners became infected.

**Table showing HIV positive cases by age and sex**

| Year | Total Positive | Age   |       |       | Sex |   | Remarks             |
|------|----------------|-------|-------|-------|-----|---|---------------------|
|      |                | 15-24 | 25-34 | 35-44 | M   | F |                     |
| 1993 | 2              | 1     | 1     | 0     | 1   | 1 | Died due to malaria |
| 1994 | 1              | 0     | 1     | 0     | 1   | 0 | Healthy             |
| 1995 | 0              | 0     | 0     | 0     | 0   | 0 | No case             |
| 1996 | 4              | 0     | 4     | 0     | 3   | 1 | 3 living            |
| 1997 | 2              | 1     | 1     | 0     | 1   | 1 | 1 died              |
| 1998 | 0              | 0     | 0     | 0     | 0   | 0 | No case             |
| 1999 | 0              | 0     | 0     | 0     | 0   | 0 | No case             |
| 2000 | 9              | 5     | 3     | 1     | 3   | 6 | 1 died              |
| 2001 | 7              | 1     | 3     | 5     | 6   | 1 | 1 died              |
| 2002 | 4*             | 0     | 2     | 1     | 2   | 2 | All living          |

**Note:\* Minor under 15 months.**

## Public Health Laboratory Report for 2001

The PHL continued its Programme Support activities through trainings, surveys and diagnostic support. The final survey of five dzongkhags in the current cycle of IDDCP Cyclic monitoring was conducted and all the salt and urine samples collected for the survey analysed in-house. The analysis of samples gave the following results;

No. of Households consuming adequately iodised salt - 372 (95.2%)

No. of children(6-12yrs) with urinary iodine excretion level above 100 µg/L - 308 (88.3%)

Seven new cases of HIV infection were diagnosed, far more than in any other year. Regular activities like water analysis, TB microscopy & culture, STD/HIV diagnosis and IDD control activities were conducted.

### TESTS CARRIED OUT IN THE PUBLIC HEALTH LABORATORY, 2001

| Sl. No.                                      | Test Description                                | Total samples tested | No of tests carried out | Positive | Remarks  |
|--|---|----------------------|-------------------------|----------|--|
| <b>A Iodine Deficiency Disorders Control</b> |   |                      |                         |          |  |
| 1  | Salt analysis report for the country            | 11433                | 11433                   | N/A      | 10449 samples (91.39%) with acceptable iodine content, results for whole country |
| 2  | Salt analysis for IDDCP Cyclic Monitoring       | 391                  | 391                     | N/A      | 372 samples (95.2%) of samples with acceptable iodine content                    |
| 3  | Urinary Iodine estimation for Cyclic Monitoring | 349                  | 349                     | N/A      | 308 samples(88.3%) with adequate urinary iodine                                  |
| 4  | Monitoring of Salt Plant at Phuntsholing        | 1278                 | 1278                    | N/A      | 49 samples had inadequate iodine, tested by P/ling hospital                      |
| 5  | Salt samples                                    | 1                    | 1                       | N/A      | 1 sample had inadequate iodine   |
| <b>B STDs &amp; HIV/AIDS</b>                 |   |                      |                         |          |  |
| 4  | RPR test for syphilis                           | 5884                 | 5884                    | 251      | screening test for T. pallidum   |
| 5  | TPHA test                                       | 1434                 | 1434                    | 261      | confirmatory test for RPR positives  |
| 6  | HBsAg test for Hepatitis B                      | 7678                 | 7678                    | 349      |  |
| 7  | ELISA test for Hepatitis C                      | 3502                 | 3502                    | 7        |  |
| 8  | ELISA test for HIV                              | 8012                 | 8012                    | 7        | Screening test for HIV   |
| 9  | HIV Western Blot test                           |                      | 27                      | 22       | Confirmatory test for HIV positives  |
| <b>C Tuberculosis diagnosis</b>              |   |                      |                         |          |  |
| 10   | Sputum microscopy                               | 1848                 | 4919                    | 201      |  |
| 11   | Extra-pulmonary TB microscopy                   | 374                  | 374                     | 16       |  |
| 12   | Sputum culture                                  | 1124                 | 1124                    | 295      |  |
| 13   | Culture other than sputum                       | 275                  | 275                     | 40       |  |
| <b>D Water analysis</b>                      |   |                      |                         |          |  |
| 14   | Bacteriological                                 | 200                  | 200                     | 136      | 136 samples with bacterial growth  |
| 15   | Chemical  | 22                   | 229                     | 0        | No samples with unacceptable levels  |
|  | <b>Total</b>                                    | <b>43805</b>         | <b>47110</b>            |          |  |

## Rural water supply and sanitation Programme (RWSS)

The objective of the programme is to reduce morbidity and mortality due to water borne and water related diseases through provision of universal access to safe drinking water and adequate sanitation facilities. In line with the Health for All Goals, an intensified effort has been put in place since the beginning of the 8<sup>th</sup> Five Year Plan (1997-2002).

While there has been improvement in rural water supply, smokeless ovens and garbage disposal in the previous year, a slight decrease is observed in the coverage of sanitary latrines and animal sheds. However, there is not much difference. Further, since the percentage coverage is based on the physical count of the existing structures, the actual use and its impact on the general health of the population cannot be ascertained.

**Water and Sanitation coverage by district - 2001**

| District          | Percentage Coverage |             |              |              |                  |
|-------------------|---------------------|-------------|--------------|--------------|------------------|
|                   | Sanitary Latrine    | Piped Water | Animal Sheds | Garbage Pits | Smokeless Stoves |
| 1. Bumthang       | 94                  | 94          | 63           | 86           | 94               |
| 2. Chhukha        | 76                  | 59          | 24           | 39           | 42               |
| 3. Daga           | 79                  | 38          | 70           | 56           | 4                |
| 4. Gasa           | 89                  | 43          | 89           | 82           | 10               |
| 5. Haa            | 94                  | 93          | 39           | 42           | 77               |
| 6. Lhuntse        | 88                  | 84          | 63           | 45           | 6                |
| 7. Mongar         | 87                  | 68          | 62           | 51           | 7                |
| 8. Paro           | 81                  | 73          | 33           | 55           | 59               |
| 9. Pemagatshel    | 81                  | 89          | 67           | 36           | 0                |
| 10. Punakha       | 85                  | 76          | 62           | 68           | 39               |
| 11. S/Jongkhar    | 89                  | 69          | 63           | 51           | 14               |
| 12. Samtse        | 82                  | 53          | 60           | 52           | 19               |
| 13. Sarpang       | 82                  | 52          | 59           | 58           | 26               |
| 14. Thimphu       | 92                  | 96          | 55           | 53           | 67               |
| 15. Trashigang    | 90                  | 71          | 54           | 43           | 8                |
| 16. Trashiyangtse | 90                  | 76          | 74           | 44           | 2                |
| 17. Trongsa       | 87                  | 82          | 85           | 64           | 27               |
| 18. Tsirang       | 80                  | 67          | 85           | 45           | 27               |
| 19. W/Phodrang    | 95                  | 77          | 57           | 85           | 19               |
| 20. Zhemgang      | 79                  | 62          | 39           | 55           | 9                |
| National          | 85                  | 68          | 55           | 52           | 24               |

# National Leprosy Control Programme of Bhutan

## Introduction

Gidakom Hospital is a general hospital serving in the community as a district hospital under in Thimphu Dzongkhag. This hospital also functions as the National Referral Centre for Leprosy as well as TB thus catering a wider range of services including rehabilitative services.

The number of leprosy cases came down from 51 in 2000 to 40 case in 2001. The hospital has seen new registered cases more for the Western region (13 cases) as compared to the East (6 cases). All these 19 cases were detected through routine surveillance system and were higher compared to only 16 in the previous year. However, there was not a single new case found by regular contact surveys. Both the surveillance and contact surveys were carried out in all the districts, as usual, except Gasa.

The prevalence rate stands at 0.61 per 10,000 population and case detection rate found to be at 0.29/10,000. The deformity rate however was 38.9%, which is not satisfactory. There were 2 smear positive relapse after full MDT course, 1 each in the Central and the Northern regions. As in the past, no reconstructive surgery was offered due to negligible number of cases that came forward.

## Case management of patients, 2001

| <i>Type of patients</i>                     | <i>Number</i> |
|---|---------------|
| Number of patients at the beginning of year | 51            |
| Number of new cases detected                | 19            |
| Number of relapse                           | 2             |
| Regained to control                         | 0             |
| Transferred out etc.                        | 4             |
| Released from treatment                     | 19            |
| Number of patients at the end of the year   | 40            |
| Death                                       | 1             |

## Surveys

| <i>Survey type</i>     | <i>Enumerated</i> | <i>Examined</i> | <i>%</i> | <i>New patients found</i> |
|------------------------|-------------------|-----------------|----------|---------------------------|
| Contact survey         | 2564              | 1027            | 40.0     | 0                         |
| Mass surveys           | -                 | -               | -        | -                         |
| Focal (village) survey | 5301              | 3608            | 68.0     | 0                         |
| Others (School)        | 1037              | 1017            | 98.7     | 0                         |

# MALARIA SITUATION IN BHUTAN

## 1. Country profile

The Kingdom of Bhutan has three distinct climatic zones with alpine to temperate climate in the northern and central zones to hot and humid tropical climate in the southern zone.

Administratively, the country is divided into 20 Districts of which Samdrup Jongkhar, Sarpang, Samchi Dzongkhags and southern parts of Shemgang and Chukha Dzongkhags, sharing porous borders with India, are hyperendemic for malaria. There is perennial malaria transmission in this entire southern belt. The seasonality of malaria is well marked in Bhutan with peak caseload during pre and post monsoon seasons. The open border with India allows heavy migration of population across the border thus raising challenging cross border malaria problems.

## 2. Background Profile

Since many years malaria was known to be a dreaded disease in Bhutan. In the absence of modern medical treatment facilities many had succumbed to death from malaria. In order to mitigate this problem Royal Government conducted the first ever malaria survey by a consultant team from the National Malaria Eradication Program (NMEP), India. As a direct outcome of this survey, the NMEP in Bhutan was launched in 1964.

Initially the program was geared to eradication approach, but subsequently it was reoriented to the concept of control strategy. The change in the approach was necessitated by the realization of the fact that it was not possible to eradicate malaria. Accordingly the program was re-named as National Malaria Control Program (NMCP) in keeping with the global control strategy, and integrated into the general health services delivery system. While encouraging results were achieved in the early phase of the intervention program, there was however, a resurgence of malaria culminating into a worsening situation in 1984.

For all practical purposes, comparative analysis of malaria data has been worked out taking 1994 as the base year. This is done because NMCP changed its control strategy from Indoor Residual Spraying (IRS) with DDT to Synthetic Pyrethroid from 1995. With the introduction of the new insecticide, there has been a marked reduction of malaria morbidity and mortality over the years since 1995.

## 3. Prevention & Control Strategies

In the process of continuing change and development, the program strategy was re-aligned to new government policies and departmental directions both in terms of organizational structure and operational mechanisms. However, the modality of the control strategy remained the same through the decades.

## 4. Revised Program Strategy.

The major deviation from the existing strategy was the phasing out of DDT with substitution by Indoor Residual Spray (IRS) with Deltramethrin. The new Action Plan was implemented with effect from 1995, initially covering all the malaria endemic

Dzongkhags as determined by the available paradigms. However, IRS was discontinued and Plan of Action for implementation of Insecticide Treated Bed Net Program (ITBN) was launched in 1997 as recommended by WHO..

The new ITBN program was introduced in Bhutan in the context of the global Roll Back Malaria initiative (RBM). The main objective of the ITBN program is to ensure prevention of malaria infection and thereby reduce its morbidity and mortality through emphasis on personal protection by using insecticide treated bed nets. In the long run the program is planned to be sustained through community involvement and participation.

## 5. Epidemiological trend

Over the past 10 year period from 1990 to 2001, the ABER was maintained way above the 10% minimum prescribed level between 16.6 and 27.8 indicating consistency in case detection mechanism. The point of concern to the program, however, is the increase in Pf rate observation over the same period from 31.5% to 59.3% with the lowest trend at 31.5% recorded in 1995.

The malaria situation started to get worse again from 1990 onwards with API increasing from 53.6 and reaching its peak rise at 111.1 in 1994. Following this spurt the API showed marked improvement between 1995 and 2000 with a declining trend from 66.2 to 16.9, but with a sudden increase to 35.9 in 1999 (see table 1).

**Malaria Incidence in Bhutan from 1990 to 2001**

| YEAR | BSC   | T.+VE | T.PF  | ABER | API   | SPR  | Pf%  |
|------|-------|-------|-------|------|-------|------|------|
| 1990 | 33973 | 9497  | 4126  | 19.2 | 53.6  | 27.9 | 43.5 |
| 1991 | 67699 | 22126 | 12966 | 19.3 | 63.2  | 32.7 | 59.3 |
| 1992 | 73986 | 28900 | 13910 | 21.1 | 82.6  | 39.0 | 48.7 |
| 1993 | 80980 | 28392 | 12779 | 23.1 | 81.1  | 35.0 | 45.9 |
| 1994 | 97425 | 38901 | 15998 | 27.8 | 111.1 | 39.9 | 42.3 |
| 1995 | 83899 | 23195 | 7326  | 23.9 | 66.2  | 27.6 | 31.5 |
| 1996 | 76019 | 15696 | 6026  | 21.7 | 44.8  | 20.0 | 38.3 |
| 1997 | 68153 | 9029  | 3614  | 19.4 | 25.8  | 13.2 | 40.0 |
| 1998 | 58086 | 6995  | 3403  | 16.6 | 19.9  | 12.0 | 49.0 |
| 1999 | 79589 | 12591 | 6380  | 22.7 | 35.9  | 15.8 | 51.0 |
| 2000 | 76445 | 5935  | 2507  | 21.8 | 16.9  | 8    | 46   |
| 2001 | 65974 | 5982  | 3177  | 18   | 17    | 9    | 53   |

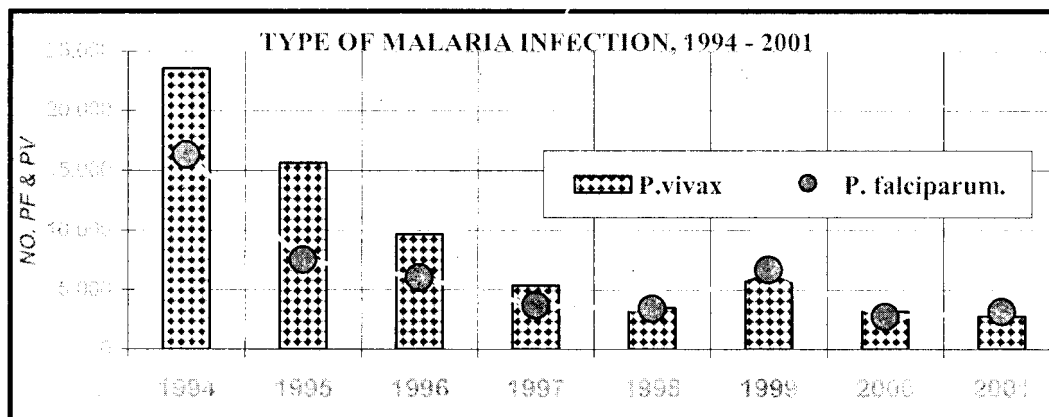
## 6. Malaria caseload trend

Taking 1994 as the base year, the overall case reduction rate over the years has seen consistent decline from 41% in 1995 to 85% in 2001.

## 7. Type of malaria infection trend:

Plasmodium falciparum and Plasmodium vivax are prevalent in Bhutan. P. vivax was seen the most predominant infection all through the decade from 1990. However, P

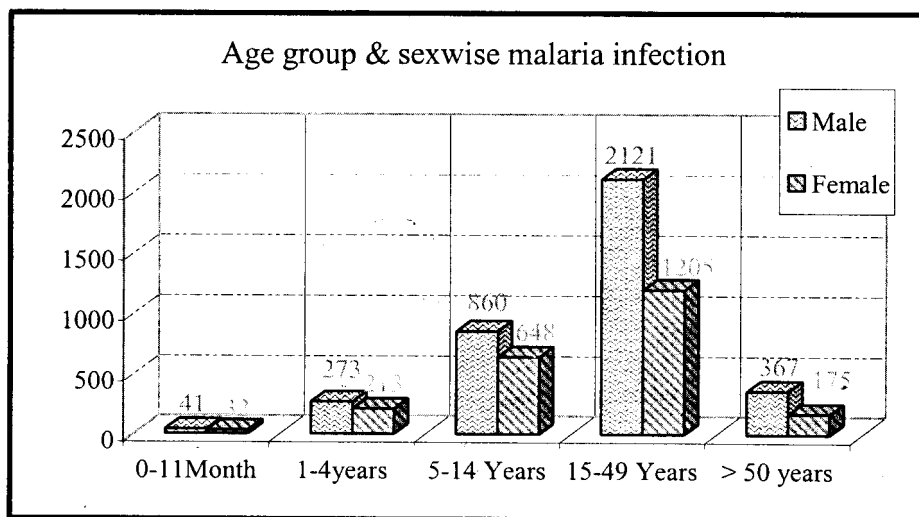
falciparum positive cases malaria showed a sudden increase to 12966 in 1991 compared to P. vivax positive cases of 9160.



The falciparum again showed a rising trend from 1998 and overtook vivax in 1999 with the positive caseload of 6665 compared to 5937 positive cases for vivax. But in 2000, it declined to 2738 cases compared to 3197 positive for P. Vivax.

## 8. Malaria infection in different age groups

The malaria infection among different age groups in 1998 and 1999 stands out clearly to show that the population of 15 to 49 year age group is the most vulnerable group. This age group is at highest risk of malaria infection followed by 5 to 14 year age group, which is about 50% less at risk of malaria than the 15 to 49 age group.

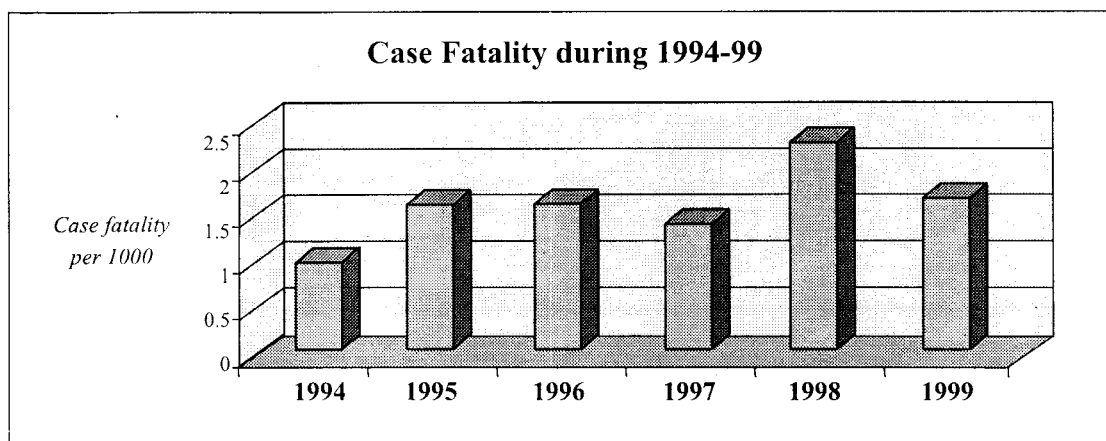


## 9. Comparative malaria caseload in five endemic Dzongkhags from 1994 to 2000

The malaria disease burden is well marked in five endemic Dzongkhags, viz. Sarpong, Samdrubjongkhar, Samtse, Chhukha and Zhemgang. The unhealthy competition among these Dzongkhags in the total annual caseload record is distinct with Sarpong leading the race. Samdrubjongkhar is a close second while Samtse, Chukha and Zhemgang hold third, fourth and fifth positions respectively. This trend is consistent throughout the 5 years period from 1997 to 2001.

## 10. Mortality due to malaria

There has been a marked reduction in the mortality due to malaria over the period from 1993 to 1997. However, a deteriorating trend was observed from 1998 which coincided with the withdrawal of IRS and launching of ITBN program (see graph below).



## 11. Malaria epidemics/outbreaks

No major outbreaks were reported in the recent past. Occasionally increased caseloads over few days do occur in focal transmission areas, and are usually reported by the reporting health centers as malaria outbreaks, but otherwise managed by the local health authorities. The recent outbreaks in Nunai village, Samdrup Jongkhar District with 109 case and 4 dead (19 Pv and 90 Pf) and Chuzagang village, Sarpang District with 55 cases and four dead (12 Pv and 43 Pf), overwhelmed the capacity of local health team to control and contain the outbreak. Necessary help had to be extended from the central program to bring the situation under control. But the potential for epidemics do exist considering the rapid growth of industrial and commercial activities in the country that has caused increasing population movement both within and across the border with India.

## 12. Population at risk of malaria

Over half country's population, about 170,000 to 180,000 who are resident in malaria areas with varying degree of transmission intensity are at risk of malaria. But the population living in the non-malaria areas is also exposed to malaria infection due to increasing mobility of these population groups into the high malaria transmission localities. They are therefore, at high risk of developing serious disease, and is a major factor for high malaria mortality. Of late, the health centers in non-malaria areas report sporadic cases on a regular basis.

## 13. Surveillance System

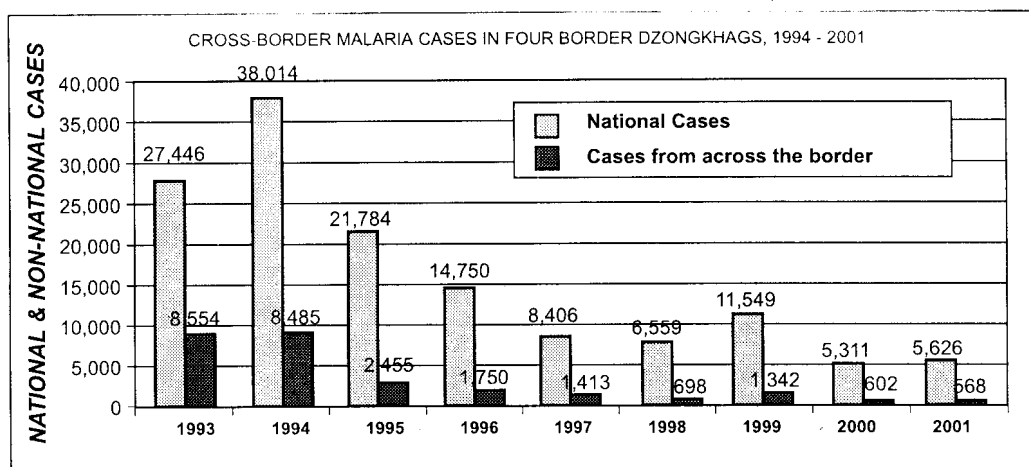
With the remarkable improvement of health service delivery system in the country, active surveillance was no longer necessary. It was also felt that people at risk of malaria were aware of malaria infection, and at the same time program achieved near control level in 1992. The program now relies entirely on passive surveillance system except during outbreak situations when active fever surveillance is resorted to.

## 14. Diagnostic Tools

The main stay of malaria diagnosis is the peripheral blood film examination by simple microscopy using Giemsa's stain. All health centers in malaria endemic areas have at least one functioning microscope. Since 2000 Rapid Diagnostic Test (RDT) kits as additional diagnostic tool have also been supplied to all health centers in the country for use during emergency situations. It may be emphasized here that RDT **does not substitute** for microscopy. The **GOLD STANDARD** for malaria diagnosis is still the microscopy.

## 15. Cross Border Malaria :

Mosquitoes know no boundaries. Bhutan's southern Dzongkhags share border with Assam and West Bengal. The porous nature of this border puts malaria control program in a predicament situation. The control programs on both sides of the border need



to implement their control activities in a synchronized manner. It is also important to adopt a standardized vector control strategy and treatment protocol by both health authorities so as to minimize the risk of development of resistance to insecticides and drugs.

As health care is provided free in Bhutan, non-national across the border seek medical treatment in Bhutan on daily basis. Annual statistics indicate that the total non-national malaria cases is proportionate to the total national malaria cases. This trend clearly speaks of the similar epidemiology of malaria disease in the vicinity of the border areas. Therefore, the cross-border malaria transmission is an accepted phenomenon requiring concerted and collaborative efforts from both sides of the border to combat the malaria menace.

## 16. Conclusion

Malaria control program is currently in transition period. The IRS program has been completely phased out, and with the introduction of ITBN program in 1999, there has been an upsurge in malaria cases in the same year. This was a serious concern to the government. Consequently, in-depth review of the program was conducted in April 2001. Pending the review recommendations, current parasitic and vector control measures have been stepped up. It is hoped that with the implementation of the renewed control strategy, malaria situation would no longer pose a major public health problem.

# COMMUNITY BASED REHABILITATION PROGRAMME

## Introduction

The CBR Programme was started as a pilot project in one district in 1997, and expanded to another district in 2000. The pilot project focussed on training of some of the personnel, identification of persons with disabilities in two blocks each of the two districts, and initiation of some rehabilitation services for those identified as in need of services. Since the Programme is still at an initial stage, the review emphasised suggestions for improvements in the future, to be considered when formulating strategies for the 9<sup>th</sup> Five Year Plan.

The major achievements of the CBR Programme to date are summarised below.

### 1. Coverage

- The CBR programme was initiated in two Geogs – namely Khaling in Trashigang District and Mewang in Thimphu District.
- 
- Identification of people with disabilities was carried out using a questionnaire to estimate the prevalence of disability. A training course was conducted for Health Assistants (HAs), Auxiliary Nurse Midwives (ANMs), Basic Health Workers (BHWs) and Physiotherapy Technicians (PTTs) in identification of people with disabilities. A door-to-door survey was then carried out in both the pilot programme areas. The prevalence of disability established from these two Geogs is about 3.5 %. The figures below give the estimated prevalence of disability, the age and gender distribution of the identified persons with disability.

Speech and hearing disabilities and visual disabilities constitute the largest group as identified in the pilot survey, pointing to the direction of emphasis for interventions in the next phase. The surveys have identified more disabled persons in the age group of 15 years and above. The gender distribution is almost equal, as brought out in the survey, hence equal emphasis would need to be placed on the needs of girls and women with disabilities.

- Identification of children with speech and hearing disabilities has been initiated in all schools.
- The BHU staff collected disability information from all districts. The updated data as on January 2002 are presented in the tables below. This information confirms the data from the pilot survey, that speech and hearing and visual disabilities constitute the largest group of persons with disabilities. The age distribution is also the same as in the earlier survey. These findings are only indicative and will need to be backed up by additional prevalence surveys in the next Five Year Plan.

## DZONGKHAG WISE DISABILITY INFORMATION

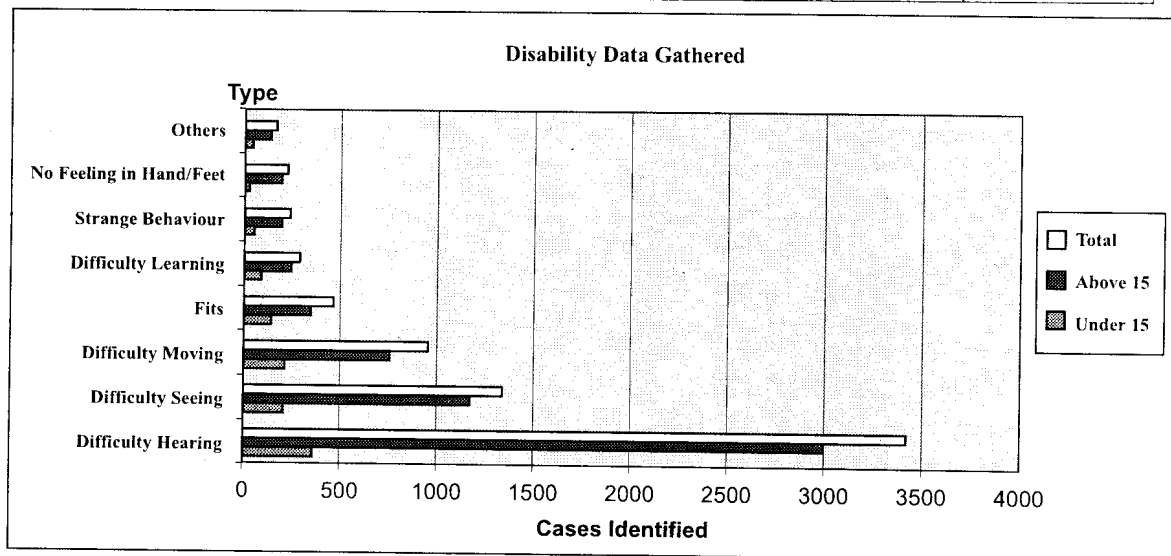
| Sl.No | Dzongkhag     | Difficulty Seeing |      | Speech/Hearing |      | Difficulty Moving |     | Others |    | Total |
|-------|---------------|-------------------|------|----------------|------|-------------------|-----|--------|----|-------|
|       |               | C                 | A    | C              | A    | C                 | A   | C      | A  |       |
| 1.    | S/Jongkhar    | 0                 | 6    | 10             | 36   | 2                 | 12  | 0      | 0  | 75    |
| 2.    | Trongsa       | 7                 | 32   | 8              | 46   | 2                 | 12  | 2      | 0  | 124   |
| 3.    | Punakha       | 1                 | 28   | 9              | 79   | 3                 | 27  | 0      | 8  | 170   |
| 4.    | Chukha        | 9                 | 103  | 52             | 667  | 19                | 92  | 0      | 5  | 1146  |
| 5.    | Sarpang       | 4                 | 70   | 30             | 221  | 21                | 42  | 1      | 1  | 473   |
| 6.    | Bumthang      | 3                 | 76   | 10             | 91   | 3                 | 37  | 0      | 0  | 246   |
| 7.    | Thimphu       | 4                 | 22   | 5              | 45   | 3                 | 18  | 1      | 6  | 141   |
| 8.    | Haa           | 2                 | 42   | 2              | 55   | 1                 | 25  | 1      | 23 | 167   |
| 9.    | Mongar        | 12                | 155  | 46             | 305  | 15                | 75  | 2      | 4  | 759   |
| 10.   | Pema Gatshel  | 1                 | 35   | 8              | 58   | 1                 | 15  | 0      | 0  | 131   |
| 11.   | Zhemgang      | 10                | 44   | 19             | 99   | 10                | 28  | 0      | 0  | 257   |
| 12.   | Trashiyangtse | 13                | 82   | 31             | 94   | 13                | 37  | 0      | 0  | 316   |
| 13.   | Gasa          | 0                 | 25   | 2              | 14   | 2                 | 27  | 0      | 0  | 78    |
| 14.   | Lhuentse      | 0                 | 0    | 0              | 0    | 0                 | 5   | 0      | 0  | 10    |
| 15.   | Paro          | 7                 | 54   | 11             | 92   | 3                 | 43  | 0      | 6  | 228   |
| 16.   | Tsirang       | 10                | 15   | 5              | 50   | 0                 | 14  | 15     | 15 | 141   |
| 17.   | Samtse        | 17                | 121  | 43             | 551  | 28                | 131 | 0      | 2  | 1070  |
| 18.   | Trashigang    | 30                | 209  | 66             | 394  | 13                | 125 | 8      | 18 | 1026  |
| 19.   | W/Phodrang    | 20                | 34   | 40             | 110  | 25                | 50  | 0      | 0  | 323   |
| 20.   | Dagana        |                   |      |                |      |                   |     |        |    |       |
|       | Total         | 150               | 1153 | 397            | 3007 | 164               | 815 | 30     | 88 | 6,881 |

C = Children ≤ 15 years

A = Adult ≥ 15 years

## CATEGORIES OF DISABILITIES IDENTIFIED

| Sl No | Type of disability        | Under 15 | Above 15 | Total |
|-------|---------------------------|----------|----------|-------|
| 1.    | Difficulty Speech/Hearing | 397      | 3,007    | 3,404 |
| 2.    | Difficulty Seeing         | 150      | 1,153    | 1,303 |
| 3.    | Difficulty Moving         | 164      | 815      | 979   |
| 4.    | Fits                      | 103      | 359      | 462   |
| 5.    | Difficulty Learning       | 47       | 214      | 261   |
| 6.    | Strange Behaviour         | 24       | 162      | 186   |
| 7.    | No Feeling in Hand/Feet   | 18       | 150      | 168   |
| 8.    | Others                    | 30       | 88       | 118   |



## POLICY AND PROGRAMME OBJECTIVES FOR THE 9<sup>th</sup> FIVE YEAR PLAN

### *Programme objectives*

1. To introduce community-oriented disability prevention and rehabilitation services as an integral part of the comprehensive primary health care delivery system in all Dzongkhags.
2. To undertake human resource development in rehabilitation disciplines and community rehabilitation at all levels.
3. To develop a National Rehabilitation Resource Centre for the country.
4. To diminish the overall impact of disability through awareness and provision of other appropriate rehabilitation interventions.
5. To facilitate the involvement of other sectors in disability prevention and rehabilitation programmes through the multi-sectoral approach.

### STRATEGIES

The overall guiding strategy for support to programmes for/with people with disabilities is the ***community-based model*** with the principle of grass-root participation in development. Disability prevention and rehabilitation programmes will be ***integrated*** in the planning, service delivery, and evaluation in the health care delivery system. The programmes will ***mobilise*** traditional family units and social structures, along with available supportive traditional practices to create a ***sustainable network*** to improve the quality of life of people with disabilities.

***Complementary programmes*** and strategies will be developed and implemented to meet the goals. ***Views of persons with disabilities and their families*** will be taken into account in addressing their needs. Systems will be put in place to ensure ***quality of services*** to meet the needs of people with disabilities and their families. ***Cost-effectiveness*** will be promoted through efficient and effective use of resources available to increase access for people with disabilities. ***Monitoring, assessment and evaluation*** will be incorporated in the Programme from the start but occurring at several levels.

### EXPANSION OF COVERAGE TO ALL 20 DZONGKHAGS

During the first year of the 9<sup>th</sup> Five Year Plan, the services will be initiated in the 6 dzongkhags where physiotherapy units are already established in the hospitals. The other districts will be covered over the subsequent years, as trained personnel become available. Since the absolute numbers of persons with disabilities who would require interventions are likely to be low and since the health infrastructure from the district downwards is already in place and functioning, it is considered feasible to initiate coverage of services for all those identified as in need of interventions, during the 9<sup>th</sup> Five Year Plan.

## **Community Mental Health Programme, Bhutan**

The 8th five-year Plan Development Program of Bhutan [1997-2002] has identified Mental Health as a priority area for development in the health sector and launched the Community Mental Health Program in 1997 with the objective to:

- Sensitise health personnel at all levels to be able to provide mental health care along with general health services.
- Reduce problems related to alcohol, drug dependence, and mental and neurological disorders.

The World Health Organization Played a key role in it's development by providing both financial and technical assistance. Since than a series of ground work activities has been carried out by the programme.

### **Strategies:**

Some of the strategies and approaches for community mental health are: identification of mental health activities at different level of health system. Accordingly appropriate training and activities in mental health care identified for different categories of health workers and other significant people in the community such as the village health workers, monks, police, teachers etc.

### **Programme Management:**

The programme will be totally integrated into the general health services with only a central programme which will be co-ordinated by a programme officer who will be responsible to plan, supervise, monitor and co-ordinate mental health activities. The program would emphasize on community based mental health care strategy and at the same time a specialised mental facility will also be developed to provide back-up support for [preventive and curative requirements.

### **Plan of action:**

The plan of action can be considered in two phases:

#### ***Phase 1, 1997-2001***

Activities implemented during the phase 1 plan of action.

1. Advocacy awareness activities.
2. Development of IEC materials
3. Establishment of regular psychiatric OPD clinic at JDWNRH.
4. Training of Medical Officers and Nurses.
5. Initiated to work on exploring traditional approach to mental health care.
6. A two-week clinical attachment for trainees of RIHS with the psychiatric unit

- in JDWNRH has been established.
7. Collaboration with the education sector for student counselling service including parents awareness and education program.
  8. Pilot Mental Health Survey is being conducted during April and May 2002 in Paro, Bumthang and Trashigang Dzongkhags.
  9. Essential indicator on mental disorders has been incorporated in the new HMIS recording and reporting system.

**The phase 2 of the program will coincide with the 9<sup>th</sup> five-year plan of development (2002 – 2007):**

During this phase, we would like to consolidate on the activities we have already embarked now. In addition, we will be establishing mental health care services in the community i.e. at the village and BHU levels. We will also introduce community-based rehabilitation at the village and the family level. In order to successfully implement all these activities at the grass roots level and sustain them, we will need to establish a national resource centre for supporting the program.

**Programme Indicator in the 9<sup>th</sup> Five Year Plan.**

1. Determine the prevalence of mental disorders in the country.
2. Provision of basic mental health care covering all Dzongkhags by the end of 2007.

**Pilot Mental Health Survey in Bhutan.  
Occurrence, attitudes, treatment practices and cultural influence.**

The prevalence of most mental disorders is remarkably the small all over the world, and there is no evidence to expect that it should be different for Bhutan. However, with the unique culture and development history of Bhutan, the challenging question is if people with mental disorders have enhanced opportunities for better life if modern allopathic treatment can be complemented by indigenous and traditional practises, which are abound in Bhutan.

The main purpose of the project is to describe how the most severe mental disorders such as schizophrenia, epilepsy, severe depression, mental retardation, psychosis and suicide are managed today in Bhutan; to get a firm knowledge of the attitudes towards mental disorders; and of what should be done in the future to provide basic psychiatric care and rehabilitation services at the community level as specified in the 9<sup>th</sup> Five year Plan (FYP). The other important objective of the study is to assess the impact of mental health education to the community and to determine the reliability of the community in reporting mental disorder cases.

To increase project efficiency, this project tested a more comprehensive research strategy combining qualitative and quantitative methodology. The survey took place in Paro, Bumthang, and Trashigang district from 22<sup>nd</sup> April to 30<sup>th</sup> May 2002. The first stage involved a primary identification of potential cases with severe

mental disorder through a workshop with community representatives, religious and traditional healers and health workers. Based upon their information, 378 cases-families were identified for a survey interview and confirmatory diagnostic test. Another 244 control-families who did not have cases and who were randomly selected were also interview.

The focal point of the reject is the Public Health Department with technical support from the Psychiatry Department, JDWNR Hospital, Health research and Epidemiology Unit, and The District Health Officials. The project is funded by Danida and WHO.

### Preliminary Findings.

The community representatives reported a total of 378 cases during the workshop out of which about 260 cases were confirmed to have a diagnosable mental disorder (this figure also includes a few cases who are confirmed during the field survey but who were not reported during the workshop). The diagnostic break-up of the cases is as follows (see table 1, figure in parenthesis are the actual number of cases confirmed); 104 (83) cases of alcohol dependency syndrome; 110 (69) cases of epilepsy; 61(36) cases of depression;41(39)cases of mental retardation;44(17) cases of psychosis; 18(16) cases of suicide. More than 60% of the cases reported were confirmed to have a diagnosable psychiatric disorder except psychosis, which is 39%.

| Disorder           | Paro                            |    |          | Bumthang                       |    |         | Trashigang                      |    |           |           |
|--------------------|---------------------------------|----|----------|--------------------------------|----|---------|---------------------------------|----|-----------|-----------|
|                    | Total HH:225                    |    |          | Total HH Visisted: 110         |    |         | Total HH visited: 287           |    |           | 622       |
|                    | Total No. of cases reported:139 |    |          | Total No. of cases reported:57 |    |         | Total No. of cases reported:182 |    |           | 378       |
|                    | M                               | F  | Total    | M                              | F  | Total   | M                               | F  | Total     |           |
| ADS                | 34                              | 4  | 38 (24)  | 4                              | 1  | 5 (4)   | 33                              | 28 | 61 (55)   | 104 (83)  |
| Epilepsy           | 16                              | 16 | 32 (21)  | 6                              | 6  | 12 (9)  | 42                              | 24 | 61 (55)   | 110 (69)  |
| Depression         | 11                              | 17 | 28 (28)  | 4                              | 15 | 19 (11) | 6                               | 8  | 66 (39)   | 61 (49)   |
| Mental Retardation | 5                               | 9  | 14 (9)   | 5                              | 3  | 8 (10)  | 8                               | 11 | 14 (10)   | 41 (39)   |
| Psychosis          | 9                               | 10 | 19 (10)  | 3                              | 9  | 12 (5)  | 7                               | 6  | 19 (20)   | 44 (17)   |
| Suicide            | 1                               | 7  | 8 (9)    | 1                              | 0  | 1 (1)   | 4                               | 5  | 13 (2)    | 18 (16)   |
| Total              | 76                              | 63 | 139 (88) | 23                             | 34 | 57 (40) | 100                             | 82 | 182 (132) | 378 (273) |

A general screening questionnaire to asses the knowledge, attitude and practices regarding sever psychiatric cases was applied to all the 378 case-families interview as well as to another 244 control-families which were not reported to have cases to see if there is significant differences between them. The result are being analysed now which would be able to present in the next Annual Health Bulletin.

## **Consultant Meeting with the Community Representatives of Paro, Bumthang and Trashigang Dzongkhag on Mental health.**

As part of a pilot study to determine the prevalence of serious mental disorders and treatment practices in the country, a consultative meeting was organized with the community representatives of Paro, Bumthang and Trashigang Dzongkhags from 4th to 19<sup>th</sup> April 2002. More than a 300 people participated in the meeting. A number of issues related to mental health of the people were discussed. One of the significant highlights of the meeting was the participation from the religious community (representatives from the Dratshang and Rabdey), traditional medicine (Dungtshos from the Institute of Traditional Medicine and from Dzongkhag hospitals) and doctors and health workers from Thimphu and from the district.

While inaugurating and chairing a few sessions of the meeting with chimis, gups, mangup, tshopas, chupens and village health workers of Dzongkhags, the Dzongdas of respective Dzongkhags highlighted the importance of mental health in our day-to-day life and addressed measures to prevent mental disorders. They stressed that the Royal Government of Bhutan is taking an enormous burden by giving free treatment to all its citizens and that the government is further considering to provide basic mental health care at the community level. They discussed the importance of people's participation in looking after their own health, especially in mental health.

Dr. Chencho Dorji, psychiatrist and resource person in the workshop stressed the need to understand mental disorder as a spectrum of psychological symptoms and that psychosis (madness) should be understood as an end result of a severe psychological problem. He informed the gathering that nearly 70 percent of the patients who came to seek help in the hospitals around the country had depression and anxiety and that psychosis constituted only about 6 percent of all mental disorders. Other serious mental retardation constituted about 25 percent of the disorders. He also pointed out that mentally ill people are the most disabled and neglected lot in the population due to lack of adequate knowledge about mental disorders and stigma attached to mental disorders in the community. He informed that there is now effective treatment available for the mentally disorderd persons and that such patients need not be kept for long duration in hospitals. But he cautioned that due to the lack of insight in some patients with psychosis, relapses are common unless the family and relatives supervise the medication. Therefore, he stressed on the importance of community and family support in treating and looking after mentally disordered persons.

The Dratshang representative, explained the role of religion and Buddhism in particular, which can play a mitigating role ion everyday stress and the prevention of discontent, reed, dissatisfaction and mental stress among the believers. Dungtsho Wangchuk and other Drungtshos form Dzongkhag Hospital informed that mental disorders and their treatment were described in the Buddhist and Sowa Righpa literature and that few cases are taking treatment from them.

Tandin Chogyel, Program Officer for mental health Program said that considering that for perhaps the first time in the country, all relevant sectors in the treatment of patients were able to participate and discuss issues and thus it has paved a way for the relevant sectors to work together.

The participants, expressed the appreciation of the Community to the Royal Government for providing them with not only free health care services, but also in providing information and educate them about various health matters. They said that this meeting was especially fruitful because of the presence the clergy, the drungtshos and the doctors from the district and from Thimphu. The community representatives could clarify doubts and beliefs from both modern and traditional; medicine perspectives. They pledged on behalf of the community that they would provide their full support and cooperation in looking after their mentally ill people on the district.

Dr. Chencho Dorji pointed out that this is only a pilot project to see if this method of survey is feasible in Bhutan and to see common grounds under which the traditional; and modern treatment services can be integrated or giving in tandem. One of the advantages of this type of consultative meeting and survey is that the community can be effectively informed about mental disorders and that cases can be identified more quickly. The program has plans to conduct similar surveys in the rest of the country of the methodology is found effective.

One of the direct outcomes of the meeting was the collection of the data pertaining to severe mental disorders such as psychosis, epilepsy, mental retardation, suicide, depression and alcohol dependence in Paro, Bumthang and Trashigang Dzongkhags. Those identified persons were visited during the field survey April and May to confirm the diagnosis and offer appropriate treatment. The districts were selected based upon the maximum number of cases reported to the program in 2001; easy accessibility by road transport and due to the geographical distribution of the districts.

## Brief overview of deaths reported during 2001

Considering the country's mortality data as a most important and crucial information required for developing the future plan of action, the Department of Health introduced very informative Death Certificate system from the beginning of the year 2000 at two levels i.e. Hospital and BHU levels. It is mandatory to certify all the deaths that occur in the health facilities or at home by the respective health staff in their operational area and submit the carbon copy of the death certificate to the Health Department for health planning. Though the inception of the system has attained more than two years, the system has not shown any significant momentum for timely reporting, completeness of information, accuracy in specifying cause of death.

Presently the deaths are under reported. As of now only 12 Dzongkhags have reported 1075 deaths - 639 from BHUs and 436 from Hospital Level Form in the year 2001 and 8 districts have not at all submitted the death reports. Among the reported cases, the major causes of death beside Unknown, Old Age and Others are Cardiovascular disease which tops the rank with 16% and followed by Cirrhosis of liver 9%, Malignancies 9%, COPD/Br. Asthma 8%, Injuries 7%, Diarrhoea & Dysentery 4%, and Renal failure 4%. *(Note: Unknown and Old Age are excluded from the denominator).*

**Level Wise reported deaths for the year 2001**

| Cause of Death                         | Hospital Level | BHU Level  | Total       |
|--|----------------|------------|-------------|
| Others                                 | 67             | 78         | 145         |
| Cardiovascular disorder                | 50             | 93         | 143         |
| Unknown                                | 4              | 137        | 141         |
| Cirrhosis of liver                     | 43             | 37         | 80          |
| Malignancies                           | 44             | 32         | 76          |
| Corpulmonary disease/Bronchitis Asthma | 21             | 49         | 70          |
| Injuries                               | 29             | 29         | 58          |
| Old Age                                | 3              | 49         | 52          |
| Diarrhoea and Dysentery                | 15             | 23         | 38          |
| Renal failure                          | 19             | 18         | 37          |
| Encephalopathy/Epilepsy                | 17             | 19         | 36          |
| Lower Respiratory Tract Infection      | 15             | 17         | 32          |
| Nutritional Deficiency                 | 20             | 10         | 30          |
| Road Traffic Accidents (RTA)           | 21             | 9          | 30          |
| Tuberculosis                           | 15             | 13         | 28          |
| Prematurity                            | 20             | 2          | 22          |
| Septicemia                             | 20             | 0          | 20          |
| Suicide                                | 2              | 12         | 14          |
| Malaria                                | 6              | 3          | 9           |
| Maternal Death                         | 2              | 6          | 8           |
| PUO                                    | 1              | 3          | 4           |
| Perinatal Condition                    | 2              | 0          | 2           |
| <b>Total</b>                           | <b>436</b>     | <b>639</b> | <b>1075</b> |

### Cause specific Deaths Report for selected districts, 2001

| Cause of death                    | Chukha    | Mongar     | Paro      | Punakha  | S/ Jongkhar | Samtse    | Sarpang   | Thimphu    | Trashigang | Trongsa   | Tsirang   | Yangtse   | Total      | Percentage |
|-----------------------------------|-----------|------------|-----------|----------|-------------|-----------|-----------|------------|------------|-----------|-----------|-----------|------------|------------|
| Others                            | 10        | 12         | 16        | 0        | 4           | 10        | 1         | 43         | 33         | 0         | 7         | 9         | 145        | 16         |
| Cardiovascular disorder           | 4         | 27         | 20        |          | 10          | 3         | 8         | 36         | 22         | 4         | 5         | 4         | 143        | 16         |
| Cirrhosis of liver                | 0         | 12         | 6         | 0        | 3           | 1         | 4         | 34         | 19         | 0         | 0         | 1         | 80         | 9          |
| Malignancies                      | 1         | 5          | 14        | 1        | 3           | 1         | 6         | 37         | 5          | 1         | 0         | 2         | 76         | 9          |
| COPD/Br. Asthma                   | 2         | 10         | 5         | 2        | 3           | 3         | 5         | 14         | 19         | 2         | 2         | 3         | 70         | 8          |
| Injuries                          | 14        | 9          | 5         | 0        | 2           | 1         | 5         | 13         | 7          | 2         | 0         | 0         | 58         | 7          |
| Diarrhoea and Dysentery           | 0         | 8          | 1         | 1        | 3           | 2         | 3         | 5          | 11         | 1         | 1         | 2         | 38         | 4          |
| Renal failure                     | 0         | 10         | 5         | 0        | 0           | 0         | 0         | 12         | 7          | 0         | 1         | 2         | 37         | 4          |
| Encephalopathy/Epilepsy           | 1         | 3          | 4         | 0        | 4           | 1         | 2         | 12         | 5          | 0         | 1         | 3         | 36         | 4          |
| Lower Respiratory Tract Infection | 2         | 4          | 6         | 0        | 2           | 2         | 2         | 8          | 1          | 0         | 4         | 1         | 32         | 4          |
| Nutritional Deficiency            | 1         | 8          | 1         | 0        | 1           | 0         | 1         | 11         | 4          | 0         | 0         | 3         | 30         | 3          |
| Road Traffic Accidents            | 8         | 6          | 4         | 2        | 1           | 0         | 0         | 6          | 1          | 2         | 0         | 0         | 30         | 3          |
| Tuberculosis                      | 0         | 2          | 2         | 0        | 5           | 1         | 2         | 9          | 2          | 0         | 5         | 0         | 28         | 3          |
| Prematurity                       | 0         | 2          | 0         | 0        | 0           | 0         | 1         | 19         | 0          | 0         | 0         | 0         | 22         | 2          |
| Septicemia                        | 0         | 2          | 0         | 0        | 1           | 0         | 0         | 16         | 0          | 0         | 0         | 1         | 20         | 2          |
| Sucide                            | 1         | 1          | 5         | 0        | 0           | 1         | 1         | 0          | 4          | 0         | 0         | 1         | 14         | 2          |
| Malaria                           | 2         | 0          | 0         | 0        | 0           | 0         | 3         | 2          | 0          | 0         | 2         | 0         | 9          | 1          |
| Maternal Death                    | 0         | 1          | 0         | 0        | 1           | 1         | 1         | 1          | 2          | 0         | 1         | 0         | 8          | 1          |
| PUO                               | 0         | 0          | 0         | 0        | 1           | 0         | 3         | 0          | 0          | 0         | 0         | 0         | 4          | 0          |
| Perinatal Condition               | 0         | 0          | 0         | 0        | 0           | 0         | 0         | 2          | 0          | 0         | 0         | 0         | 2          | 0          |
| <b>Total</b>                      | <b>46</b> | <b>122</b> | <b>94</b> | <b>6</b> | <b>44</b>   | <b>27</b> | <b>48</b> | <b>280</b> | <b>142</b> | <b>12</b> | <b>29</b> | <b>32</b> | <b>882</b> | <b>100</b> |

In BHU level reporting particularly, it is observed that the cause of death is frequently written as “old age”, which comprises of 8% of the 639 reported cases. Other common feature of cause of death in BHU Level Form is “Unknown” which comprises 22 % of the 639 reported cases. It may be because that the health worker may not be in a position to precisely define the cause of death if the death occurred in homes. In such cases the underlying causes of death could at least be arrived at if the history describing some signs and symptoms or the nature of illness are taken from the relatives and reflected in the death certificate.

In order to ensure timely flow of mortality data from the periphery, reports should be reviewed at the Dzongkhag level either through quarterly/biannual/annual

reviews or during routine supervisory visits. This will enable them to make use of the data for health planning at their own local levels thus improving the quality of data. While going through the entire exercise of compilation of the records it is observed that the individual who issued the death certificate has taken so lightly that many of the important information asked in the format are not filled. The mortality report from 8 districts (those not in the list) were not available for compilation.

***Deaths due to road traffic accidents (RTA)/Injuries in selected districts.***

When deaths due RTA and injuries are clubbed together it occupies the third rank of total death and it is found more common in Chhukha Dzongkhag. This may be due to more vehicular traffic on the highway risking for increasing accidents. Besides, this district has the major construction works under different projects.

|                  | <b><i>RTA</i></b> | <b><i>Injuries</i></b> | <b><i>Total</i></b> | <b><i>%</i></b> |
|------------------|-------------------|------------------------|---------------------|-----------------|
| Chhukha          | 8                 | 14                     | 22                  | 25              |
| Thimphu          | 6                 | 13                     | 19                  | 22              |
| Mongar           | 6                 | 9                      | 15                  | 17              |
| Paro             | 4                 | 5                      | 9                   | 10              |
| Trashigang       | 1                 | 7                      | 8                   | 9.1             |
| Sarpang          | 0                 | 5                      | 5                   | 5.7             |
| Trongsa          | 2                 | 2                      | 4                   | 4.5             |
| Samdrub Jongkhar | 1                 | 2                      | 3                   | 3.4             |
| Punakha          | 2                 | 0                      | 2                   | 2.3             |
| Samtse           | 0                 | 1                      | 1                   | 1.1             |
| Tsirang          | 0                 | 0                      | 0                   | 0               |
| Yangtse          | 0                 | 0                      | 0                   | 0               |
| <b>Total</b>     | <b>30</b>         | <b>58</b>              | <b>88</b>           | <b>100</b>      |

**Deaths due to Malignancies**

Among the dzongkhags, Thimphu has highest deaths due to malignancies, which is of course, referred cases from the periphery. Comparatively, Paro dzongkhag stands second with large differences from other dzongkhags. On assumption, either Paro has very good health awareness and most accessible to hospital services for better treatment and diagnosis or the actual prevalence rate itself is higher than the other dzongkhags due to some of the underlying factors which influences malignancies like socio-behavioral practices which may not be common in other dzongkhags. The other reason could be that, other dzongkhags might have the prevalence rate as high as Paro, but the diagnosis is missed as the people do not come to health facilities due to ignorance, not having the easy access to health facilities or the competency of health workers is not enough to the extent of diagnosing malignancy. It will only be clear if some sort of study is carried out.

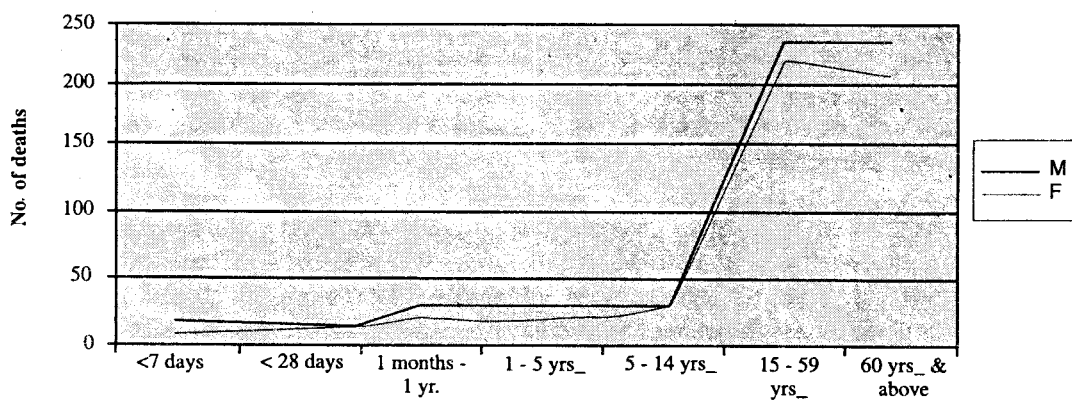
### Deaths due to Malignancies in selected districts

| Dzongkhag   | No. of cases | Dzongkhag | No. of cases |
|-------------|--------------|-----------|--------------|
| Thimphu     | 37           | Yangtse   | 2            |
| Paro        | 14           | Trongsa   | 1            |
| Sarpang     | 6            | Punakha   | 1            |
| Mongar      | 5            | Chukha    | 1            |
| Trashigang  | 5            | Samtse    | 1            |
| S/ Jongkhar | 3            | Tsirang   | 0            |
| Total       | 70           | Total     | 6            |

### Age group & Disease wise death 2001

| Age group        | Male | Female | Total |
|------------------|------|--------|-------|
| <7days           | 16   | 9      | 25    |
| < 28 days        | 14   | 13     | 27    |
| 1 months - 1 yr. | 28   | 19     | 47    |
| 1 - 5 yrs        | 25   | 15     | 40    |
| 5 - 14 yrs       | 27   | 24     | 51    |
| 15 - 59 yrs      | 230  | 213    | 443   |
| 60 yrs_ & above  | 232  | 206    | 438   |
| Age unknown      | 0    | 0      | 4     |
| Total            | 572  | 499    | 1075  |

### Deaths by age & sex



**Section – C**

**Annexures**



## HOSPITAL ACTIVITIES REPORT (Bhutan - 2001)

| Sl. No.             | Type of activity       | Number        |
|---------------------|------------------------|---------------|
| 1                   | Sanctioned Beds        | 1023          |
| 2                   | Available Beds         | 951           |
| 3                   | Admission              | 32367         |
| 4                   | Patient days           | 197040        |
| 5                   | Bed Occupancy          | 56.8          |
| 6                   | Average length of stay | 6.1           |
| <b>Out patients</b> |                        |               |
| 1                   | New                    | 554923        |
| 2                   | Old                    | 199291        |
|                     | <b>Total</b>           | <b>754214</b> |
| <b>X-Ray</b>        |                        |               |
| 1                   | Chest                  | 15146         |
| 2                   | B/meal                 | 198           |
| 3                   | Others                 | 15557         |
|                     | <b>Total</b>           | <b>30901</b>  |
| <b>Laboratory</b>   |                        |               |
| 1                   | Blood                  | 74727         |
| 2                   | Stool                  | 4258          |
| 3                   | Urine                  | 33514         |
| 4                   | Skin                   | 178           |
| 5                   | Sputum                 | 7161          |
| 6                   | MP                     | 9933          |
| 7                   | Others                 | 20802         |
|                     | <b>Total</b>           | <b>150573</b> |
| <b>Dental</b>       |                        |               |
| 1                   | Prophylaxis            | 1426          |
| 2                   | Filling                | 12111         |
| 3                   | Extractions            | 17663         |
| 4                   | Others                 | 25112         |
|                     | <b>Total</b>           | <b>56312</b>  |

# HOSPITAL ACTIVITIES REPORT

## (Bhutan - 2001)

| <b>Surgical</b>       |                         |              |
|-----------------------|-------------------------|--------------|
| 1                     | Major                   | 693          |
| 2                     | Minor                   | 5006         |
| 3                     | Others                  | 4932         |
|                       | <b>Total</b>            | <b>10631</b> |
| <b>Gynaecological</b> |                         |              |
| 1                     | Major                   | 576          |
| 2                     | Minor                   | 1173         |
| 3                     | Others                  | 319          |
|                       | <b>Total</b>            | <b>2068</b>  |
| <b>Obstetric</b>      |                         |              |
| 1                     | Total number of births  | 4035         |
| 2                     | Normal deliveries       | 3279         |
| 3                     | Prolonged labour        | 173          |
| 4                     | Breech                  | 111          |
| 5                     | Twins (sets)            | 48           |
| 6                     | Still birth             | 53           |
| 7                     | Premature               | 105          |
| 8                     | Caesarean section       | 444          |
| 9                     | Forceps delivery        | 44           |
| 10                    | Vacuum delivery         | 97           |
| 11                    | Antepartum Haemorrhage  | 61           |
| 12                    | Post-partum Haemorrhage | 88           |
| 13                    | Inversion of uterus     | 3            |
| 14                    | Retained Placenta       | 153          |
| 15                    | Pre-eclampsia           | 108          |
| 16                    | Eclampsia               | 14           |
| 17                    | Ruptured uterus         | 11           |
| 18                    | Sepsis                  | 46           |
| 19                    | Severe Anaemia          | 133          |
| 20                    | Abortion                | 250          |

**HOSPITAL ACTIVITIES REPORT**  
**(Bhutan - 2001)**

|                    |                   |              |
|--------------------|-------------------|--------------|
| <b>Orthopaedic</b> |                   |              |
| 1                  | Major             | 288          |
| 2                  | Minor             | 917          |
| 3                  | Others            | 437          |
|                    | <b>Total</b>      | <b>1642</b>  |
| <b>ENT</b>         |                   |              |
| 1                  | Major             | 233          |
| 2                  | Minor             | 440          |
| 3                  | Others            | 105          |
|                    | <b>Total</b>      | <b>778</b>   |
| <b>Eye</b>         |                   |              |
| 1                  | Major             | 392          |
| 2                  | Minor             | 1694         |
| 3                  | Others            | 5355         |
|                    | <b>Total</b>      | <b>7441</b>  |
| <b>Ultra sound</b> |                   |              |
| 1                  | Pelvis            | 3194         |
| 2                  | Abdomen           | 6881         |
| 3                  | Foetus            | 3318         |
| 4                  | Enchocardiography | 4            |
| 5                  | Endoscopy         | 1443         |
| 6                  | Other             | 211          |
|                    | <b>Total</b>      | <b>15051</b> |
| <b>Urology</b>     |                   |              |
| 1                  | Major             | 26           |
| 2                  | Minor             | 51           |
|                    | <b>Total</b>      | <b>77</b>    |

## HOSPITAL ACTIVITIES REPORT FOR 2001

| Sl. No.             | Department             | Hospital     |              |              |
|---------------------|------------------------|--------------|--------------|--------------|
|                     |                        | Bumthang     | Damphu       | Tshimalakha  |
| 1                   | Sanctioned Beds        | 40           | 20           | 20           |
| 2                   | Available Beds         | 33           | 20           | 28           |
| 3                   | Admission              | 423          | 788          | 1061         |
| 4                   | Patient days           | 2130         | 3164         | 4471         |
| 5                   | Bed Occupancy          | 17.7         | 43.3         | 43.7         |
| 6                   | Average length of stay | 5.0          | 4.0          | 4.2          |
| <b>Out patients</b> |                        |              |              |              |
| 1                   | New                    | 7996         | 23810        | 17694        |
| 2                   | Old                    | 4474         | 4203         | 3736         |
|                     | <b>Total</b>           | <b>12470</b> | <b>28013</b> | <b>21430</b> |
| <b>X-Ray</b>        |                        |              |              |              |
| 1                   | Chest                  | 114          | 302          | 557          |
| 2                   | B/meal                 |              |              | 2            |
| 3                   | Others                 | 77           | 229          | 854          |
|                     | <b>Total</b>           | <b>191</b>   | <b>531</b>   | <b>1413</b>  |
| <b>Laboratory</b>   |                        |              |              |              |
| 1                   | Blood                  | 1158         | 2911         | 3280         |
| 2                   | Stool                  | 62           | 514          | 228          |
| 3                   | Urine                  | 637          | 381          | 1673         |
| 4                   | Skin                   |              |              | 35           |
| 5                   | Sputum                 | 37           | 186          | 227          |
| 6                   | MP                     |              |              | 215          |
| 7                   | Others                 |              | 188          | 265          |
|                     | <b>Total</b>           | <b>1894</b>  | <b>4180</b>  | <b>5923</b>  |
| <b>Dental</b>       |                        |              |              |              |
| 1                   | Prophylaxis            | 16           | 19           | 90           |
| 2                   | Filling                | 257          | 455          | 649          |
| 3                   | Extractions            | 356          | 610          | 597          |
| 4                   | Others                 | 349          | 454          | 595          |
|                     | <b>Total</b>           | <b>978</b>   | <b>1538</b>  | <b>1931</b>  |
| <b>Surgical</b>     |                        |              |              |              |
| 1                   | Major                  |              |              | 6            |
| 2                   | Minor                  | 71           | 114          | 60           |
| 3                   | Others                 |              | 471          | 5            |
|                     | <b>Total</b>           | <b>71</b>    | <b>585</b>   | <b>71</b>    |

| Sl. No. | Department              | Hospital    |           |             |
|---------|-------------------------|-------------|-----------|-------------|
|         |                         | Bumthang    | Damphu    | Tshimalakha |
|         | <b>Gynaecological</b>   |             |           |             |
| 1       | Major                   |             |           | 3           |
| 2       | Minor                   |             | 13        | 9           |
| 3       | Others                  |             | 69        | 2           |
|         | <b>Total</b>            |             | <b>82</b> | <b>14</b>   |
|         | <b>Obstetric</b>        |             |           |             |
| 1       | Total number of births  | 44          | 82        | 80          |
| 2       | Normal deliveries       | 41          | 73        | 70          |
| 3       | Prolonged labour        | 2           | 3         | 4           |
| 4       | Breech                  | 1           | 3         | 1           |
| 5       | Twins (sets)            |             |           | 3           |
| 6       | Still birth             | 1           | 3         | 2           |
| 7       | Premature               |             | 1         | 2           |
| 8       | Caesarean section       |             |           | 3           |
| 9       | Forceps delivery        |             | 4         | 1           |
| 10      | Vacuum delivery         |             |           | 3           |
| 11      | Antepartum Haemorrhage  | 1           |           | 4           |
| 12      | Post-partum Haemorrhage | 1           | 4         | 1           |
| 13      | Retained Placenta       | 2           | 3         | 8           |
| 14      | Pre-eclampsia           |             |           | 2           |
| 15      | Sepsis                  |             | 1         | 5           |
| 16      | Severe Anaemia          |             | 3         |             |
| 17      | Abortion                | 3           | 10        | 13          |
|         | <b>Orthopaedic</b>      |             |           |             |
| 1       | Major                   |             |           | 15          |
| 2       | Minor                   | 4           | 10        | 130         |
| 3       | Others                  |             | 57        | 5           |
|         | <b>Total</b>            | <b>4</b>    | <b>67</b> | <b>150</b>  |
|         | <b>ENT</b>              |             |           |             |
| 1       | Minor                   |             |           | 6           |
| 2       | Others                  |             | 3         |             |
|         | <b>Total</b>            |             | <b>3</b>  | <b>6</b>    |
|         | <b>Eye</b>              |             |           |             |
| 1       | Major                   | 25          |           | 1           |
| 2       | Minor                   | 48          |           | 596         |
| 3       | Others                  | 973         | 6         | 315         |
|         | <b>Total</b>            | <b>1046</b> | <b>6</b>  | <b>912</b>  |

## HOSPITAL ACTIVITIES REPORT FOR 2001

| Sl. No. | Department             | Hospital     |              |              |
|---------|------------------------|--------------|--------------|--------------|
|         |                        | Phuntsholing | Sarpang      | Gelephu      |
| 1       | Sanctioned Beds        | 20           | 20           | 40           |
| 2       | Available Beds         | 25           | 12           | 40           |
| 3       | Admission              | 1644         | 502          | 1648         |
| 4       | Patient days           | 5836         | 2909         | 5446         |
| 5       | Bed Occupancy          | 64.0         | 66.4         | 37.3         |
| 6       | Average length of stay | 3.5          | 5.8          | 3.3          |
|         | <b>Out patients</b>    |              |              |              |
| 1       | New                    | 54614        | 21503        | 44556        |
| 2       | Old                    | 5345         | 6304         | 15265        |
|         | <b>Total</b>           | <b>59959</b> | <b>27807</b> | <b>59821</b> |
|         | <b>X-Ray</b>           |              |              |              |
| 1       | Chest                  |              |              | 951          |
| 2       | B/meal                 |              |              | 29           |
| 3       | Others                 |              |              | 1071         |
|         | <b>Total</b>           |              |              | <b>2051</b>  |
|         | <b>Laboratory</b>      |              |              |              |
| 1       | Blood                  | 4887         | 819          | 6956         |
| 2       | Stool                  | 170          | 145          | 207          |
| 3       | Urine                  | 3496         | 287          | 4036         |
| 4       | Sputum                 | 920          | 178          | 585          |
| 5       | MP                     | 3489         |              |              |
| 6       | Others                 | 7506         | 940          | 2229         |
|         | <b>Total</b>           | <b>20468</b> | <b>2369</b>  | <b>14013</b> |
|         | <b>Dental</b>          |              |              |              |
| 1       | Prophylaxis            | 102          |              | 25           |
| 2       | Filling                | 1171         |              | 755          |
| 3       | Extractions            | 1759         |              | 1300         |
| 4       | Others                 | 2236         |              | 1963         |
|         | <b>Total</b>           | <b>5268</b>  |              | <b>4043</b>  |
|         | <b>Surgical</b>        |              |              |              |
| 1       | Major                  | 66           |              | 45           |
| 2       | Minor                  | 1049         | 3            | 1929         |
| 3       | Others                 | 4111         |              | 86           |
|         | <b>Total</b>           | <b>5226</b>  | <b>3</b>     | <b>2060</b>  |

| Sl. No. | Department              | Hospital     |         |            |
|---------|-------------------------|--------------|---------|------------|
|         |                         | Phuntsholing | Sarpang | Gelephu    |
|         | <b>Gynaecological</b>   |              |         |            |
| 1       | Major                   |              |         | 6          |
| 2       | Minor                   |              |         | 217        |
| 3       | Others                  |              |         | 8          |
|         | <b>Total</b>            |              |         | <b>231</b> |
|         | <b>Obstretic</b>        |              |         |            |
| 1       | Total number of births  | 288          | 47      | 171        |
| 2       | Normal deliveries       | 282          | 44      | 154        |
| 3       | Prolonged labour        | 22           | 3       | 18         |
| 4       | Breech                  | 5            | 3       | 4          |
| 5       | Twins (sets)            | 1            | 1       |            |
| 6       | Still birth             | 3            |         | 2          |
| 7       | Premature               | 8            | 1       | 2          |
| 8       | Caesarean section       |              |         | 11         |
| 9       | Forceps delivery        | 2            |         |            |
| 10      | Vacuum delivery         | 2            |         |            |
| 11      | Antepartum Haemorrhage  | 6            |         | 1          |
| 12      | Post-partum Haemorrhage | 16           |         | 4          |
| 13      | Inversion of uterus     | 1            |         |            |
| 14      | Retained Placenta       | 7            | 3       | 9          |
| 15      | Pre-eclampsia           | 10           | 2       | 2          |
| 16      | Eclampsia               | 2            |         |            |
| 17      | Ruptured uterus         | 4            |         |            |
| 18      | Sepsis                  | 5            | 1       | 2          |
| 19      | Severe Anaemia          | 8            | 3       | 32         |
| 20      | Abortion                | 37           | 8       | 14         |
|         | <b>Orthopaedic</b>      |              |         |            |
| 1       | Minor                   | 106          |         |            |
| 2       | Others                  | 235          |         |            |
|         | <b>Total</b>            | <b>341</b>   |         |            |
|         | <b>ENT</b>              |              |         |            |
| 1       | Major                   |              |         | 4          |
| 2       | Minor                   | 166          |         | 27         |
| 3       | Others                  | 9            |         |            |
|         | <b>Total</b>            | <b>175</b>   |         | <b>31</b>  |
|         | <b>Eye</b>              |              |         |            |
| 1       | Minor                   | 26           |         |            |



## HOSPITAL ACTIVITIES REPORT FOR 2001

| Sl. No. | Department             | Hospital     |              |              |
|---------|------------------------|--------------|--------------|--------------|
|         |                        | Lhuntse      | Mongar       | Paro         |
| 1       | Sanctioned Beds        | 20           | 80           | 40           |
| 2       | Available Beds         | 20           | 80           | 40           |
| 3       | Admission              | 812          | 2066         | 1613         |
| 4       | Patient days           | 4732         | 18256        | 7994         |
| 5       | Bed Occupancy          | 64.8         | 62.5         | 54.8         |
| 6       | Average length of stay | 5.8          | 8.8          | 5.0          |
|         | <b>Out patients</b>    |              |              |              |
| 1       | New                    | 8250         | 18975        | 21967        |
| 2       | Old                    | 2017         | 4273         | 3846         |
|         | <b>Total</b>           | <b>10267</b> | <b>23248</b> | <b>25813</b> |
|         | <b>X-Ray</b>           |              |              |              |
| 1       | Chest                  |              | 748          | 616          |
| 2       | B/meal                 |              | 20           | 27           |
| 3       | Others                 |              | 602          | 689          |
|         | <b>Total</b>           |              | <b>1370</b>  | <b>1332</b>  |
|         | <b>Laboratory</b>      |              |              |              |
| 1       | Blood                  | 1879         | 16043        | 1924         |
| 2       | Stool                  | 92           | 548          | 315          |
| 3       | Urine                  | 605          | 4820         | 1032         |
| 4       | Skin                   | 6            | 18           | 7            |
| 5       | Sputum                 | 64           | 964          | 232          |
| 6       | Others                 | 159          | 505          | 29           |
|         | <b>Total</b>           | <b>2805</b>  | <b>22898</b> | <b>3539</b>  |
|         | <b>Dental</b>          |              |              |              |
| 1       | Prophylaxis            | 15           | 63           | 36           |
| 2       | Filling                | 180          | 716          | 800          |
| 3       | Extractions            | 227          | 733          | 497          |
| 4       | Others                 | 219          | 1387         | 1448         |
|         | <b>Total</b>           | <b>641</b>   | <b>2899</b>  | <b>2781</b>  |
|         | <b>Surgical</b>        |              |              |              |
| 1       | Major                  | 4            | 19           | 55           |
| 2       | Minor                  | 137          | 105          | 241          |
| 3       | Others                 | 39           | 12           | 41           |
|         | <b>Total</b>           | <b>180</b>   | <b>136</b>   | <b>337</b>   |

| Sl. No. | Department              | Hospital   |            |           |
|---------|-------------------------|------------|------------|-----------|
|         |                         | Lhuntse    | Mongar     | Paro      |
|         | <b>Gynaecological</b>   |            |            |           |
| 1       | Major                   | 8          | 24         | 3         |
| 2       | Minor                   | 61         | 25         | 38        |
| 3       | Others                  | 28         |            |           |
|         | <b>Total</b>            | <b>97</b>  | <b>49</b>  | <b>41</b> |
|         | <b>Obstretic</b>        |            |            |           |
| 1       | Total number of births  | 41         | 118        | 231       |
| 2       | Normal deliveries       | 40         | 53         | 220       |
| 3       | Prolonged labour        | 1          | 11         | 12        |
| 4       | Breech                  | 3          | 7          | 4         |
| 5       | Twins (sets)            |            | 1          |           |
| 6       | Still birth             | 2          | 3          | 4         |
| 7       | Premature               | 1          | 3          | 6         |
| 8       | Caesarean section       |            | 22         |           |
| 9       | Forceps delivery        |            | 5          | 1         |
| 10      | Vacuum delivery         |            |            | 7         |
| 11      | Antepartum Haemorrhage  |            | 2          | 2         |
| 12      | Post-partum Haemorrhage | 1          | 2          | 3         |
| 13      | Retained Placenta       | 2          | 5          | 9         |
| 14      | Pre-eclampsia           |            | 2          | 6         |
| 15      | Sepsis                  | 2          | 2          | 3         |
| 16      | Severe Anaemia          | 3          | 7          | 7         |
| 17      | Abortion                | 2          | 11         | 32        |
|         | <b>Orthopaedic</b>      |            |            |           |
| 1       | Major                   | 15         | 27         | 8         |
| 2       | Minor                   | 41         | 96         | 59        |
| 3       | Others                  | 23         |            |           |
|         | <b>Total</b>            | <b>79</b>  | <b>123</b> | <b>67</b> |
|         | <b>ENT</b>              |            |            |           |
| 1       | Major                   | 12         |            | 2         |
| 2       | Minor                   | 88         | 1          | 5         |
| 3       | Others                  | 47         |            |           |
|         | <b>Total</b>            | <b>147</b> | <b>1</b>   | <b>7</b>  |
|         | <b>Eye</b>              |            |            |           |
| 1       | Major                   | 128        | 42         | 3         |
| 2       | Minor                   | 457        | 9          | 2         |
| 3       | Others                  | 235        |            |           |
|         | <b>Total</b>            | <b>820</b> | <b>51</b>  | <b>5</b>  |

## HOSPITAL ACTIVITIES REPORT FOR 2001

| Sl. No. | Department             | Hospital     |              |              |
|---------|------------------------|--------------|--------------|--------------|
|         |                        | Pemagatshel  | Punakha      | Samtse       |
| 1       | Sanctioned Beds        | 20           | 20           | 60           |
| 2       | Available Beds         | 30           | 30           | 48           |
| 3       | Admission              | 850          | 1608         | 1629         |
| 4       | Patient days           | 4287         | 5924         | 9378         |
| 5       | Bed Occupancy          | 39.2         | 54.1         | 53.5         |
| 6       | Average length of stay | 5.0          | 3.7          | 5.8          |
|         | <b>Out patients</b>    |              |              |              |
| 1       | New                    | 13260        | 30182        | 21220        |
| 2       | Old                    | 2297         | 13485        | 14709        |
|         | <b>Total</b>           | <b>15557</b> | <b>43667</b> | <b>35929</b> |
|         | <b>X-Ray</b>           |              |              |              |
| 1       | Chest                  | 137          | 499          | 410          |
| 2       | Others                 | 123          | 398          | 472          |
|         | <b>Total</b>           | <b>260</b>   | <b>897</b>   | <b>882</b>   |
|         | <b>Laboratory</b>      |              |              |              |
| 1       | Blood                  | 348          | 7709         | 3532         |
| 2       | Stool                  | 25           | 323          | 427          |
| 3       | Urine                  | 401          | 5765         | 2563         |
| 4       | Skin                   |              | 3            |              |
| 5       | Sputum                 | 103          | 216          | 265          |
| 6       | MP                     |              | 799          | 1580         |
| 7       | Others                 | 479          | 135          | 5810         |
|         | <b>Total</b>           | <b>1356</b>  | <b>14950</b> | <b>14177</b> |
|         | <b>Dental</b>          |              |              |              |
| 1       | Prophylaxis            | 25           | 616          | 53           |
| 2       | Filling                | 55           | 459          | 150          |
| 3       | Extractions            | 384          | 286          | 329          |
| 4       | Others                 | 360          | 842          | 380          |
|         | <b>Total</b>           | <b>824</b>   | <b>2203</b>  | <b>912</b>   |
|         | <b>Surgical</b>        |              |              |              |
| 1       | Major                  |              | 19           | 7            |
| 2       | Minor                  | 58           | 130          | 54           |
| 3       | Others                 | 3            | 52           | 14           |
|         | <b>Total</b>           | <b>61</b>    | <b>201</b>   | <b>75</b>    |

| Sl. No. | Department              | Hospital    |             |            |
|---------|-------------------------|-------------|-------------|------------|
|         |                         | Pemagatshel | Punakha     | Samtse     |
|         | <b>Gynaecological</b>   |             |             |            |
| 1       | Minor                   |             | 6           |            |
|         | <b>Obstretic</b>        |             |             |            |
| 1       | Total number of births  | 36          | 175         | 169        |
| 2       | Normal deliveries       | 36          | 162         | 136        |
| 3       | Prolonged labour        | 1           | 10          | 11         |
| 4       | Breech                  | 2           | 7           | 8          |
| 5       | Twins (sets)            |             | 3           | 2          |
| 6       | Still birth             | 2           | 3           | 2          |
| 7       | Premature               |             | 3           | 1          |
| 8       | Caesarean section       |             |             | 16         |
| 9       | Forceps delivery        |             |             | 12         |
| 10      | Vacuum delivery         |             | 3           | 1          |
| 11      | Antepartum Haemorrhage  |             | 2           | 4          |
| 12      | Post-partum Haemorrhage | 3           | 9           | 7          |
| 13      | Retained Placenta       | 4           | 11          | 5          |
| 14      | Pre-eclampsia           | 2           | 12          |            |
| 15      | Ruptured uterus         |             |             | 1          |
| 16      | Sepsis                  |             | 2           | 1          |
| 17      | Severe Anaemia          |             | 4           | 20         |
| 18      | Abortion                |             | 15          | 22         |
|         | <b>Orthopaedic</b>      |             |             |            |
| 1       | Major                   |             |             | 12         |
| 2       | Minor                   |             | 23          | 32         |
| 3       | Others                  |             | 10          | 6          |
|         | <b>Total</b>            |             | <b>33</b>   | <b>50</b>  |
|         | <b>Eye</b>              |             |             |            |
| 1       | Major                   |             |             | 3          |
| 2       | Minor                   |             | 30          | 402        |
| 3       | Others                  |             | 1507        | 171        |
|         | <b>Total</b>            |             | <b>1537</b> | <b>576</b> |

## HOSPITAL ACTIVITIES REPORT FOR 2001

| Sl. No.             | Department             | Hospital     |              |              |
|---------------------|------------------------|--------------|--------------|--------------|
|                     |                        | Gomtu        | Sipsu        | S/jongkhar   |
| 1                   | Sanctioned Beds        | 12           | 10           | 20           |
| 2                   | Available Beds         | 12           | 15           | 46           |
| 3                   | Admission              | 650          | 1019         | 843          |
| 4                   | Patient days           | 2924         | 3355         | 6907         |
| 5                   | Bed Occupancy          | 66.8         | 61.3         | 41.1         |
| 6                   | Average length of stay | 4.5          | 3.3          | 8.2          |
| <b>Out patients</b> |                        |              |              |              |
| 1                   | New                    | 24555        | 9018         | 15570        |
| 2                   | Old                    | 5848         | 2710         | 2837         |
|                     | <b>Total</b>           | <b>30403</b> | <b>11728</b> | <b>18407</b> |
| <b>X-Ray</b>        |                        |              |              |              |
| 1                   | Chest                  | 230          |              | 212          |
| 2                   | B/meal                 | 2            |              |              |
| 3                   | Others                 | 270          |              | 206          |
|                     | <b>Total</b>           | <b>502</b>   |              | <b>418</b>   |
| <b>Laboratory</b>   |                        |              |              |              |
| 1                   | Blood                  | 1620         | 2979         | 2820         |
| 2                   | Stool                  | 91           | 395          | 46           |
| 3                   | Urine                  | 325          | 1132         | 999          |
| 4                   | Skin                   |              |              | 1            |
| 5                   | Sputum                 | 74           | 453          | 329          |
| 6                   | MP                     |              | 1241         | 2596         |
| 7                   | Others                 | 37           | 435          | 1407         |
|                     | <b>Total</b>           | <b>2147</b>  | <b>6635</b>  | <b>8198</b>  |
| <b>Dental</b>       |                        |              |              |              |
| 1                   | Prophylaxis            |              |              | 4            |
| 2                   | Filling                |              |              | 109          |
| 3                   | Extractions            | 5            |              | 370          |
| 4                   | Others                 | 51           |              | 287          |
|                     | <b>Total</b>           | <b>56</b>    |              | <b>770</b>   |
| <b>Surgical</b>     |                        |              |              |              |
| 1                   | Minor                  | 12           | 33           | 48           |
| 2                   | Others                 | 49           | 5            |              |
|                     | <b>Total</b>           | <b>61</b>    | <b>38</b>    | <b>48</b>    |

| Sl. No. | Department              | Hospital  |           |             |
|---------|-------------------------|-----------|-----------|-------------|
|         |                         | Gomtu     | Sipsu     | S/jongkhar  |
|         | <b>Gynaecological</b>   |           |           |             |
| 1       | Minor                   |           | 10        | 3           |
|         | <b>Obstretic</b>        |           |           |             |
| 1       | Total number of births  | 85        | 61        | 83          |
| 2       | Normal deliveries       | 85        | 56        | 75          |
| 3       | Prolonged labour        |           | 1         | 5           |
| 4       | Breech                  |           | 4         | 2           |
| 5       | Twins (sets)            |           | 1         | 1           |
| 6       | Still birth             |           | 2         | 1           |
| 7       | Premature               |           | 2         |             |
| 8       | Forceps delivery        |           | 1         |             |
| 9       | Vacuum delivery         |           |           | 5           |
| 10      | Antepartum Haemorrhage  |           | 1         | 2           |
| 11      | Post-partum Haemorrhage |           | 1         |             |
| 12      | Retained Placenta       | 1         | 5         | 7           |
| 13      | Pre-eclampsia           |           |           | 2           |
| 14      | Sepsis                  |           |           | 1           |
| 15      | Severe Anaemia          |           | 2         | 2           |
| 16      | Abortion                | 5         | 2         | 19          |
|         | <b>Orthopaedic</b>      |           |           |             |
| 1       | Minor                   | 18        | 11        | 4           |
| 2       | Others                  | 45        | 7         |             |
|         | <b>Total</b>            | <b>63</b> | <b>18</b> | <b>4</b>    |
|         | <b>ENT</b>              |           |           |             |
| 1       | Minor                   | 1         | 2         |             |
| 2       | Others                  | 27        |           |             |
|         | <b>Total</b>            | <b>28</b> | <b>2</b>  |             |
|         | <b>Eye</b>              |           |           |             |
| 1       | Minor                   | 4         | 2         | 3           |
| 2       | Others                  | 47        |           | 2101        |
|         | <b>Total</b>            | <b>51</b> | <b>2</b>  | <b>2104</b> |

## HOSPITAL ACTIVITIES REPORT FOR 2001

| Sl. No.             | Department             | Hospital     |              |              |
|---------------------|------------------------|--------------|--------------|--------------|
|                     |                        | Deothang     | Yebilepcha   | Trashigang   |
| 1                   | Sanctioned Beds        | 50           | 40           | 75           |
| 2                   | Available Beds         | 51           | 48           | 38           |
| 3                   | Admission              | 1194         | 1292         | 1493         |
| 4                   | Patient days           | 8801         | 5206         | 10001        |
| 5                   | Bed Occupancy          | 47.3         | 29.7         | 72.1         |
| 6                   | Average length of stay | 7.4          | 4.0          | 6.7          |
| <b>Out patients</b> |                        |              |              |              |
| 1                   | New                    | 15203        | 9750         | 13893        |
| 2                   | Old                    | 3104         | 807          | 9477         |
|                     | <b>Total</b>           | <b>18307</b> | <b>10557</b> | <b>23370</b> |
| <b>X-Ray</b>        |                        |              |              |              |
| 1                   | Chest                  | 798          |              | 66           |
| 2                   | B/meal                 | 8            |              |              |
| 3                   | Others                 | 916          |              | 56           |
|                     | <b>Total</b>           | <b>1722</b>  |              | <b>122</b>   |
| <b>Laboratory</b>   |                        |              |              |              |
| 1                   | Blood                  | 4563         |              | 7647         |
| 2                   | Stool                  | 67           |              | 340          |
| 3                   | Urine                  | 1258         |              | 1838         |
| 4                   | Skin                   |              |              | 21           |
| 5                   | Sputum                 | 290          |              | 1160         |
| 6                   | Others                 | 57           |              | 160          |
|                     | <b>Total</b>           | <b>6235</b>  |              | <b>11166</b> |
| <b>Dental</b>       |                        |              |              |              |
| 1                   | Prophylaxis            |              |              | 73           |
| 2                   | Filling                | 309          |              | 644          |
| 3                   | Extractions            | 396          |              | 1453         |
| 4                   | Others                 | 600          |              | 1037         |
|                     | <b>Total</b>           | <b>1305</b>  |              | <b>3207</b>  |
| <b>Surgical</b>     |                        |              |              |              |
| 1                   | Major                  | 38           | 2            |              |
| 2                   | Minor                  | 198          | 48           | 37           |
| 3                   | Others                 | 14           | 2            |              |
|                     | <b>Total</b>           | <b>250</b>   | <b>52</b>    | <b>37</b>    |

| Sl. No. | Department              | Hospital  |            |            |
|---------|-------------------------|-----------|------------|------------|
|         |                         | Deothang  | Yebilepcha | Trashigang |
|         | <b>Gynaecological</b>   |           |            |            |
| 1       | Major                   | 20        | 17         | 5          |
| 2       | Minor                   | 4         | 38         | 16         |
| 3       | Others                  | 20        | 1          | 8          |
|         | <b>Total</b>            | <b>44</b> | <b>56</b>  | <b>29</b>  |
|         | <b>Obstretic</b>        |           |            |            |
| 1       | Total number of births  | 66        | 114        | 136        |
| 2       | Normal deliveries       | 52        | 87         | 103        |
| 3       | Prolonged labour        |           | 6          | 4          |
| 4       | Breech                  | 5         | 8          | 2          |
| 5       | Twins (sets)            | 1         | 2          | 4          |
| 6       | Still birth             | 1         | 8          | 5          |
| 7       | Premature               | 3         | 3          |            |
| 8       | Caesarean section       | 13        | 19         | 15         |
| 9       | Forceps delivery        |           |            | 2          |
| 10      | Vacuum delivery         |           | 3          | 8          |
| 11      | Antepartum Haemorrhage  |           | 2          | 5          |
| 12      | Post-partum Haemorrhage |           | 8          | 1          |
| 13      | Retained Placenta       | 1         | 5          | 13         |
| 14      | Pre-eclampsia           |           | 6          | 1          |
| 15      | Sepsis                  |           |            | 2          |
| 16      | Severe Anaemia          |           |            | 5          |
| 17      | Abortion                | 1         | 13         | 24         |
|         | <b>Orthopaedic</b>      |           |            |            |
| 1       | Major                   | 4         |            |            |
| 2       | Minor                   | 34        | 2          |            |
|         | <b>Total</b>            | <b>38</b> | <b>2</b>   |            |
|         | <b>ENT</b>              |           |            |            |
| 1       | Minor                   | 2         |            |            |

## HOSPITAL ACTIVITIES REPORT FOR 2001

| Sl. No. | Department             | Hospital    |              |             |
|---------|------------------------|-------------|--------------|-------------|
|         |                        | Riserboo    | JDWNRH       | Gidakom     |
| 1       | Sanctioned Beds        | 30          | 200          | 60          |
| 2       | Available Beds         | 40          | 182          | 60          |
| 3       | Admission              | 733         | 8425         | 428         |
| 4       | Patient days           | 5200        | 54579        | 17063       |
| 5       | Bed Occupancy          | 35.6        | 82.2         | 77.9        |
| 6       | Average length of stay | 7.1         | 6.5          | 39.9        |
|         | <b>Out patients</b>    |             |              |             |
| 1       | New                    | 1152        | 137016       | 9872        |
| 2       | Old                    | 3634        | 78223        | 5176        |
|         | <b>Total</b>           | <b>3634</b> | <b>78223</b> | <b>5176</b> |
|         | <b>X-Ray</b>           |             |              |             |
| 1       | Chest                  | 20          | 9408         | 78          |
| 2       | B/meal                 |             | 110          |             |
| 3       | Others                 | 10          | 9498         | 86          |
|         | <b>Total</b>           | <b>30</b>   | <b>19016</b> | <b>164</b>  |
|         | <b>Laboratory</b>      |             |              |             |
| 1       | Blood                  | 373         |              | 1660        |
| 2       | Stool                  | 55          |              | 153         |
| 3       | Urine                  | 260         |              | 1430        |
| 4       | Skin                   | 11          |              | 73          |
| 5       | Sputum                 | 103         |              | 642         |
| 6       | Others                 | 2           |              | 172         |
|         | <b>Total</b>           | <b>804</b>  |              | <b>4130</b> |
|         | <b>Dental</b>          |             |              |             |
| 1       | Prophylaxis            | 16          | 273          |             |
| 2       | Filling                | 105         | 5156         |             |
| 3       | Extractions            | 151         | 7687         | 2           |
| 4       | Others                 | 126         | 11366        |             |
|         | <b>Total</b>           | <b>398</b>  | <b>24482</b> | <b>2</b>    |
|         | <b>Surgical</b>        |             |              |             |
| 1       | Major                  |             | 432          |             |
| 2       | Minor                  | 43          | 493          | 93          |
| 3       | Others                 |             | 28           |             |
|         | <b>Total</b>           | <b>43</b>   | <b>953</b>   | <b>93</b>   |

| Sl. No. | Department              | Hospital |             |          |
|---------|-------------------------|----------|-------------|----------|
|         |                         | Riserboo | JDWNRH      | Gidakom  |
|         | <b>Gynaecological</b>   |          |             |          |
| 1       | Major                   |          | 490         |          |
| 2       | Minor                   |          | 731         | 1        |
| 3       | Others                  |          | 183         |          |
|         | <b>Total</b>            |          | <b>1404</b> | <b>1</b> |
|         | <b>Obstretic</b>        |          |             |          |
| 1       | Total number of births  | 22       | 1842        | 27       |
| 2       | Normal deliveries       | 21       | 1356        | 27       |
| 3       | Prolonged labour        |          | 49          | 3        |
| 4       | Breech                  |          | 28          |          |
| 5       | Twins (sets)            |          | 26          |          |
| 6       | Still birth             | 1        | 5           |          |
| 7       | Premature               |          | 65          | 1        |
| 8       | Caesarean section       |          | 345         |          |
| 9       | Forceps delivery        |          | 16          |          |
| 10      | Vacuum delivery         |          | 61          |          |
| 11      | Antepartum Haemorrhage  | 1        | 27          |          |
| 12      | Post-partum Haemorrhage | 2        | 21          | 1        |
| 13      | Inversion of uterus     | 1        |             |          |
| 14      | Retained Placenta       | 1        | 43          | 1        |
| 15      | Pre-eclampsia           |          | 57          | 1        |
| 16      | Eclampsia               |          | 10          |          |
| 17      | Ruptured uterus         |          | 4           |          |
| 18      | Sepsis                  | 1        | 13          |          |
| 19      | Severe Anaemia          | 2        | 20          |          |
| 20      | Abortion                | 2        | 13          |          |
|         | <b>Orthopaedic</b>      |          |             |          |
| 1       | Major                   | 1        | 204         |          |
| 2       | Minor                   | 1        | 340         |          |
| 3       | Others                  |          | 49          |          |
|         | <b>Total</b>            | <b>2</b> | <b>593</b>  |          |
|         | <b>ENT</b>              |          |             |          |
| 1       | Major                   |          | 215         |          |
| 2       | Minor                   |          | 141         |          |
| 3       | Others                  |          | 18          |          |
|         | <b>Total</b>            |          | <b>374</b>  |          |

| Sl. No. | Department         | Hospital |              |         |
|---------|--------------------|----------|--------------|---------|
|         |                    | Riserboo | JDWNRH       | Gidakom |
|         | <b>Eye</b>         |          |              |         |
| 1       | Major              |          | 179          |         |
| 2       | Minor              |          | 113          |         |
|         | <b>Total</b>       |          | <b>292</b>   |         |
|         | <b>Ultra sound</b> |          |              |         |
| 1       | Pelvis             |          | 3194         |         |
| 2       | Abdomen            |          | 6881         |         |
| 3       | Foetus             |          | 3318         |         |
| 4       | Enchocardiography  |          | 4            |         |
| 5       | Endoscopy          |          | 1443         |         |
| 6       | Other              |          | 211          |         |
|         | <b>Total</b>       |          | <b>15051</b> |         |
|         | <b>Urology</b>     |          |              |         |
| 1       | Major              |          | 26           |         |
| 2       | Minor              |          | 51           |         |
|         | <b>Total</b>       |          | <b>77</b>    |         |

## HOSPITAL ACTIVITIES REPORT FOR 2001

| Sl. No. | Department             | Hospital      |              |              |
|---------|------------------------|---------------|--------------|--------------|
|         |                        | Trashiyangtse | Trongsa      | Bajo         |
| 1       | Sanctioned Beds        | 20            | 10           | 10           |
| 2       | Available Beds         | 25            | 18           | 10           |
| 3       | Admission              | 562           | 451          | 633          |
| 4       | Patient days           | 3382          | 3166         | 1929         |
| 5       | Bed Occupancy          | 37.1          | 48.2         | 52.8         |
| 6       | Average length of stay | 6.0           | 7.0          | 3.0          |
|         | <b>Out patients</b>    |               |              |              |
| 1       | New                    | 6716          | 11483        | 16668        |
| 2       | Old National           | 4916          | 2605         |              |
|         | <b>Total</b>           | <b>11632</b>  | <b>14088</b> | <b>16668</b> |
|         | <b>Laboratory</b>      |               |              |              |
| 1       | Blood                  | 560           | 1059         |              |
| 2       | Stool                  | 12            | 43           |              |
| 3       | Urine                  | 211           | 365          |              |
| 4       | Skin                   | 3             |              |              |
| 5       | Sputum                 | 59            | 74           |              |
| 6       | MP                     | 13            |              |              |
| 7       | Others                 | 5             | 282          |              |
|         | <b>Total</b>           | <b>863</b>    | <b>1823</b>  |              |
|         | <b>Dental</b>          |               |              |              |
| 1       | Filling                |               | 97           | 44           |
| 2       | Extractions            |               | 467          | 54           |
| 3       | Others                 |               | 1384         | 28           |
|         | <b>Total</b>           |               | <b>1948</b>  | <b>126</b>   |
|         | <b>Surgical</b>        |               |              |              |
| 1       | Minor                  | 1             | 49           |              |
|         | <b>Gynaecological</b>  |               |              |              |
| 1       | Minor                  | 1             |              |              |
|         | <b>Obstretic</b>       |               |              |              |
| 1       | Total number of births | 14            | 32           | 71           |
| 2       | Normal deliveries      | 12            | 27           | 67           |
| 3       | Prolonged labour       |               | 1            | 6            |

| Sl. No. | Department              | Hospital      |          |      |
|---------|-------------------------|---------------|----------|------|
|         |                         | Trashiyangtse | Trongsa  | Bajo |
| 4       | Breech                  |               | 2        | 12   |
| 5       | Twins (sets)            | 1             |          | 1    |
| 6       | Still birth             |               | 1        | 2    |
| 7       | Premature               |               |          | 3    |
| 8       | Vacuum delivery         | 2             | 2        |      |
| 9       | Antepartum Haemorrhage  |               | 1        |      |
| 10      | Post-partum Haemorrhage | 1             | 2        |      |
| 11      | Inversion of uterus     |               |          | 1    |
| 12      | Retained Placenta       |               | 2        | 6    |
| 13      | Pre-eclampsia           |               |          | 3    |
| 14      | Eclampsia               |               |          | 2    |
| 15      | Ruptured uterus         |               |          | 2    |
| 16      | Sepsis                  |               |          | 5    |
| 17      | Severe Anaemia          | 2             | 4        | 9    |
| 18      | Abortion                |               |          | 4    |
|         | <b>Orthopaedic</b>      |               |          |      |
| 1       | Major                   | 2             |          |      |
| 2       | Minor                   | 1             | 5        |      |
|         | <b>Total</b>            | <b>3</b>      | <b>5</b> |      |
|         | <b>ENT</b>              |               |          |      |
| 1       | Minor                   | 1             |          |      |
| 2       | Others                  |               | 1        |      |
|         | <b>Total</b>            | <b>1</b>      | <b>1</b> |      |
|         | <b>Eye</b>              |               |          |      |
| 1       | Major                   | 11            |          |      |
| 2       | Minor                   | 2             |          |      |
|         | <b>Total</b>            | <b>13</b>     |          |      |



**List of Health facilities in each district (May 2002)**

| Districts     | Hospitals   | Basic Health Unit  | Outreach Clinic |
|---------------|---|--|-----------------|
| <b>Bhutan</b> | <b>29</b>   | <b>163</b>   | <b>445</b>      |
| Bumthang      | Bumthang Hospital   | Chhumay<br>Tang<br>Ura   | 14              |
| Chhukha       | Tsimalakha Hospital<br>Phuntsholing Hospital<br>Gedu Hospital | Bongo, Balujora*<br>Chongekha, Dungna<br>Tala, Chapchha<br>Getana, Chhukha<br>Lokchina                     | 42              |
| Dagana        |   | Dagana - I<br>Dagapela<br>Drujegang<br>Akhochin<br>Tshangkha<br>Lajab<br>Jurugang                          | 9               |
| Gasa          |   | Gasa<br>Lungnana<br>Laya   | 3               |
| Haa           | IMTRAT Hospital   | Bali - I<br>Yangthang<br>Sangbekha<br>Dorithasa  | 15              |
| Lhuntse       | Lhuntse Hospital  | Dungkhar, Menji<br>Patpachhu, Tangmachhu<br>Khoma, Autsho<br>Gorsum/Ungar<br>Ladrong, Tsenkhar<br>Zangkhar | 32              |

| Districts   | Hospitals  | Basic Health Units   | ORC |
|-------------|--|--|-----|
| Mongar      | Mongar Hospital                                      | Drametse, Balam<br>Gongdu/Dagsa<br>Kengkhar, Bumpazor<br>Lingmethang, Chaskhar<br>Nagor/Silambi<br>Gyalpozhing, Thangrong<br>Tsakaling, Ngatshang<br>Tsamang, Yadi<br>Junmi/Belam<br>Yangbari<br>Serzhong/Muhung | 44  |
| Paro        | Paro Hospital  | Bitekha<br>Dawakha<br>Drugyal  | 24  |
| Pemagatshel | Pemagatshel Hospital                                 | Dungmin<br>Yurung<br>Chhimong<br>Thrumchung  | 20  |
| Punakha     | Punakha Hospital                                     | Kabisa<br>Shelngana<br>Samadingkha<br>Tshochasa<br>Talo/Mendegang  | 7   |
| Samtse      | Samtse Hospital<br>Gomtu Hospital<br>Sibsoo Hospital | Dorokha, Tedu<br>Bara *<br>Buka *<br>Chargaray *<br>Chengmari, Ghumauney<br>Denchukha, Sengten<br>Panbari *<br>Nainital, Dumtey  | 2   |

| Districts        | Hospitals  | Basic Health Units   | ORC |
|------------------|--|--|-----|
| Samdrup Jongkhar | Samdrup Jongkhar Hospital<br>Dewathang Hospital                            | Raitar - I<br>Nganglam - I<br>Dalim *<br>Daifam, Dechheling<br>Martshala, Gomdar<br>Minjiwoong, Kulikata<br>Norbugang, Orong<br>Shingkharlauri<br>Samrang *                          | 29  |
| Sarpang          | Sarpang Hospital<br>Gaylegphug Hospital                                    | Kalikhola - I<br>Norbuling, Jigmeling<br>Dovangaon *<br>Jigme Chholing ( Surey )<br>Chhuzangang (Taklai)<br>Gongdara *<br>Umling (Lalai)<br>Nichula *<br>Maogaon *<br>Phibsoo, Manas | 11  |
| Thimphu          | JDWNR Hospital<br>IBF Hospital<br>Gidakom Hospital<br>Lungtenphug Hospital | Dechhen Chholing - I<br>Thinleygang<br>Gaynekha<br>Lingzhi   | 25  |
| Trashigang       | Yangtse Hospital   | Khamdang, Tomiyangsa<br>Yalang, Kheni<br>Jamkhar, Ramjar   | 23  |
| Tsirang          | Damphu Hospital  | Burichhu *<br>Khorsani, Tsirangdara<br>Lamidara (Mendegang)<br>Danasey *<br>Patalay *  | 3   |

| Districts       | Hospital  | BHU   | ORC |
|-----------------|---|---|-----|
| Trashigang      | Trashigang Hospital<br>Riserboo Hospital<br>Yonphula Hospital | Bartsham, Bikhar<br>Phongmay, Bidung<br>Ozarong, Khaling<br>Rangjung, Radi<br>Yabrang, Merak<br>Sakten Yangnyer<br>Thungkhar, Kangpara<br>Chhangmi, Nanong<br>Thongrong, Pasaphu<br>Thrimshing(Tsangpo) | 62  |
| Trongsa         | Trongsa Hospital  | Langthel (Tongtophel)<br>Kungarabten<br>Nabji<br>Bemji<br>Trashiling  | 16  |
| Wangdi Phodrang | Wangdi Hospital<br>(Tencholing)                               | Bajo - I<br>Dangchhu<br>Kamichhu (Jala)<br>Phobjikha<br>Samtegang<br>Sephru<br>Teki Agona<br>Gaselo   | 23  |
| Zhemgang        | Yebilabtsa Hospital   | Panbang - I<br>Gomphu, Drogar<br>Zhemgang, Goshing<br>Khomshar, Lelegang<br>Shingkhar, Buli<br>Langdorbi, Edi<br>Kagtong, Pantang   | 41  |

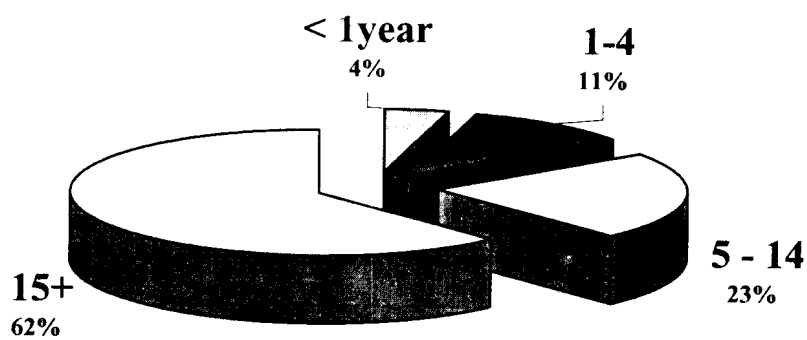
Note: Hospital list excludes 1 Indigenous Hospital.

\* Centres not functioning.

## Morbidity cases reported from BHUs - Bhutan, 2001

| Sl. No            | Diseases                          | 0 - 11/12    |              | 1 - 4        |              | 5 - 14       |              | 15 +          |               | Total         | %          |
|-------------------|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|------------|
|                   |                                   | M            | F            | M            | F            | M            | F            | M             | F             |               |            |
| 1                 | Diarrhoea/dysentery               | 2804         | 2985         | 7157         | 6810         | 10434        | 10273        | 17193         | 13779         | 71435         | 11.58      |
| 2                 | Cough and cold                    | 4125         | 4022         | 7758         | 8533         | 14799        | 16807        | 39107         | 37789         | 132940        | 21.56      |
| 3                 | Pneumonia                         | 1128         | 1001         | 1670         | 1566         | 963          | 944          | 1582          | 1518          | 10372         | 1.68       |
| 4                 | Helminthic infestation            | 40           | 47           | 2833         | 2431         | 4208         | 4299         | 5569          | 5573          | 25000         | 4.05       |
| 5                 | Skin infection                    | 1503         | 1628         | 4141         | 4413         | 8783         | 8330         | 18458         | 14429         | 61685         | 10.00      |
| 6                 | Malaria                           | 14           | 13           | 173          | 147          | 582          | 506          | 1692          | 1084          | 4211          | 0.68       |
| 7                 | Fever of unknown origin           | 518          | 538          | 1156         | 1284         | 2097         | 2161         | 6434          | 5512          | 19700         | 3.19       |
| 8                 | Conjunctivities                   | 759          | 858          | 1702         | 1908         | 3215         | 3489         | 8674          | 10026         | 30631         | 4.97       |
| 9                 | Otitis media                      | 613          | 589          | 1357         | 1377         | 2117         | 2020         | 2166          | 2138          | 12377         | 2.01       |
| 10                | Nutritional deficiency            | 147          | 165          | 639          | 771          | 1256         | 1501         | 4729          | 6705          | 15913         | 2.58       |
| 11                | Peptic ulcer syndrome             | 2            | 2            | 52           | 141          | 1721         | 2197         | 15520         | 17370         | 37005         | 6.00       |
| 12                | Diseases of teeth and gum         | 46           | 59           | 250          | 403          | 1945         | 2219         | 6451          | 6148          | 17521         | 2.84       |
| 13                | Urinary tract infection/nephritis | 12           | 14           | 137          | 152          | 417          | 553          | 2928          | 4632          | 8845          | 1.43       |
| 14                | Injuries                          | 58           | 58           | 781          | 782          | 3930         | 2346         | 12099         | 4692          | 24746         | 4.01       |
| 15                | STD                               |              |              |              |              | 4            | 18           | 628           | 283           | 933           | 0.15       |
| 16                | Childhood diseases                | 33           | 35           | 373          | 441          | 1567         | 1567         | 348           | 350           | 4714          | 0.76       |
| 17                | Diseases of female genital tract  |              | 9            |              | 30           |              | 178          |               | 2668          | 2885          | 0.47       |
| 18                | Headache                          | 26           | 27           | 533          | 787          | 4896         | 5994         | 20603         | 25463         | 58329         | 9.46       |
| 19                | Others                            | 858          | 762          | 2414         | 2540         | 5736         | 6181         | 29534         | 29462         | 77487         | 12.56      |
| <b>Total</b>      |                                   | <b>12686</b> | <b>12812</b> | <b>33126</b> | <b>34516</b> | <b>68670</b> | <b>71583</b> | <b>193715</b> | <b>189621</b> | <b>616729</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>2.06</b>  | <b>2.08</b>  | <b>5.37</b>  | <b>5.60</b>  | <b>11.13</b> | <b>11.61</b> | <b>31.41</b>  | <b>30.75</b>  | <b>100</b>    |            |

BHU Morbidity by age



Morbidity cases reported from BHUs - Bumthang Dzongkhag, 2001

| Sl. No            | Diseases                          | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 +         |              | Total        | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |                                   | M           | F           | M           | F           | M            | F            | M            | F            |              |            |
| 1                 | Diarrhoea/dysentery               | 39          | 36          | 76          | 80          | 217          | 172          | 331          | 250          | 1201         | 9.68       |
| 2                 | Cough and cold                    | 62          | 55          | 118         | 117         | 356          | 515          | 1024         | 1238         | 3485         | 28.09      |
| 3                 | Pneumonia                         | 6           | 3           | 3           | 5           | 3            | 6            | 8            | 6            | 40           | 0.32       |
| 4                 | Helminthic infestation            |             |             | 11          | 10          | 39           | 28           | 55           | 85           | 228          | 1.84       |
| 5                 | Skin infection                    | 10          | 15          | 42          | 50          | 169          | 186          | 293          | 254          | 1019         | 8.21       |
| 6                 | Malaria                           |             |             |             |             |              |              | 1            |              | 1            | 0.01       |
| 7                 | Fever of unknown origin           | 1           | 4           | 3           | 3           | 8            | 9            | 73           | 31           | 132          | 1.06       |
| 8                 | Conjunctivities                   | 14          | 9           | 22          | 30          | 69           | 54           | 164          | 264          | 626          | 5.05       |
| 9                 | Otitis media                      | 8           | 4           | 14          | 21          | 58           | 51           | 41           | 60           | 257          | 2.07       |
| 10                | Nutritional deficiency            | 3           | 4           | 15          | 14          | 13           | 27           | 70           | 129          | 275          | 2.22       |
| 11                | Peptic ulcer syndrome             |             |             | 1           |             | 95           | 57           | 397          | 466          | 1016         | 8.19       |
| 12                | Diseases of teeth and gum         |             | 1           | 3           | 1           | 85           | 72           | 164          | 246          | 572          | 4.61       |
| 13                | Urinary tract infection/nephritis |             |             | 4           | 2           | 1            | 4            | 53           | 48           | 112          | 0.90       |
| 14                | Injuries                          | 1           |             | 11          | 6           | 90           | 28           | 193          | 85           | 414          | 3.34       |
| 15                | STD                               |             |             |             |             |              |              | 1            |              | 1            | 0.01       |
| 16                | Childhood diseases                |             |             | 1           | 1           | 6            | 4            | 1            | 1            | 14           | 0.11       |
| 17                | Diseases of female genital tract  |             |             |             |             |              | 2            |              | 28           | 30           | 0.24       |
| 18                | Headache                          |             |             |             | 2           | 102          | 162          | 454          | 778          | 1498         | 12.07      |
| 19                | Others                            | 14          | 9           | 38          | 37          | 82           | 112          | 572          | 621          | 1485         | 11.97      |
| <b>Total</b>      |                                   | <b>158</b>  | <b>140</b>  | <b>362</b>  | <b>379</b>  | <b>1393</b>  | <b>1489</b>  | <b>3895</b>  | <b>4590</b>  | <b>12406</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>1.27</b> | <b>1.13</b> | <b>2.92</b> | <b>3.05</b> | <b>11.23</b> | <b>12.00</b> | <b>31.40</b> | <b>37.00</b> | <b>100</b>   |            |

Morbidity cases reported from BHUs - Chhukha Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 +         |              | Total        | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |                                   | M           | F           | M           | F           | M            | F            | M            | F            |              |            |
| 1                 | Diarrhoea/dysentery               | 499         | 546         | 931         | 946         | 1307         | 1385         | 3112         | 2256         | 10982        | 13.32      |
| 2                 | Cough and cold                    | 545         | 600         | 1086        | 1117        | 1860         | 2018         | 5565         | 4079         | 16870        | 20.45      |
| 3                 | Pneumonia                         | 192         | 161         | 304         | 280         | 194          | 191          | 202          | 129          | 1653         | 2.00       |
| 4                 | Helminthic infestation            | 22          | 25          | 524         | 523         | 824          | 784          | 955          | 742          | 4399         | 5.33       |
| 5                 | Skin infection                    | 197         | 210         | 455         | 471         | 990          | 998          | 2219         | 1395         | 6935         | 8.41       |
| 6                 | Malaria                           |             |             |             |             | 5            | 6            | 114          | 48           | 173          | 0.21       |
| 7                 | Fever of unknown origin           | 88          | 82          | 159         | 172         | 265          | 323          | 1071         | 665          | 2825         | 3.43       |
| 8                 | Conjunctivities                   | 66          | 86          | 147         | 168         | 286          | 292          | 852          | 642          | 2539         | 3.08       |
| 9                 | Otitis media                      | 75          | 94          | 177         | 178         | 249          | 253          | 339          | 305          | 1670         | 2.02       |
| 10                | Nutritional deficiency            | 14          | 20          | 93          | 123         | 242          | 289          | 739          | 1088         | 2608         | 3.16       |
| 11                | Peptic ulcer syndrome             |             |             | 4           | 35          | 349          | 363          | 2284         | 2034         | 5069         | 6.15       |
| 12                | Diseases of teeth and gum         | 44          | 54          | 119         | 144         | 369          | 452          | 1796         | 1120         | 4098         | 4.97       |
| 13                | Urinary tract infection/nephritis |             | 1           | 15          | 26          | 113          | 137          | 508          | 687          | 1487         | 1.80       |
| 14                | Injuries                          | 23          | 18          | 167         | 145         | 577          | 399          | 2400         | 751          | 4480         | 5.43       |
| 15                | STD                               |             |             |             |             | 2            | 3            | 146          | 51           | 202          | 0.24       |
| 16                | Childhood diseases                | 6           | 13          | 78          | 123         | 181          | 156          | 49           | 30           | 636          | 0.77       |
| 17                | Diseases of female genital tract  |             |             |             |             |              | 63           |              | 877          | 940          | 1.14       |
| 18                | Headache                          | 5           | 8           | 46          | 53          | 417          | 500          | 1803         | 2180         | 5012         | 6.08       |
| 19                | Others                            | 244         | 145         | 295         | 340         | 746          | 865          | 4300         | 2965         | 9900         | 12.00      |
| <b>Total</b>      |                                   | <b>2020</b> | <b>2063</b> | <b>4600</b> | <b>4844</b> | <b>8976</b>  | <b>9477</b>  | <b>28454</b> | <b>22044</b> | <b>82478</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>2.45</b> | <b>2.50</b> | <b>5.58</b> | <b>5.87</b> | <b>10.88</b> | <b>11.49</b> | <b>34.50</b> | <b>26.73</b> | <b>100</b>   |            |

Morbidity cases reported from BHUs - Dagana Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 +         |              | Total        | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |                                   | M           | F           | M           | F           | M            | F            | M            | F            |              |            |
| 1                 | Diarrhoea/dysentery               | 115         | 96          | 319         | 285         | 509          | 588          | 738          | 563          | 3213         | 11.58      |
| 2                 | Cough and cold                    | 188         | 155         | 291         | 442         | 604          | 781          | 1744         | 1585         | 5790         | 20.87      |
| 3                 | Pneumonia                         | 36          | 45          | 67          | 60          | 59           | 44           | 53           | 56           | 420          | 1.51       |
| 4                 | Helminthic infestation            |             |             | 160         | 123         | 261          | 277          | 290          | 240          | 1351         | 4.87       |
| 5                 | Skin infection                    | 72          | 80          | 157         | 188         | 350          | 454          | 700          | 656          | 2657         | 9.58       |
| 6                 | Malaria                           |             |             |             |             |              | 3            | 12           | 3            | 18           | 0.06       |
| 7                 | Fever of unknown origin           | 25          | 21          | 28          | 30          | 90           | 79           | 326          | 334          | 933          | 3.36       |
| 8                 | Conjunctivitis                    | 45          | 10          | 56          | 46          | 74           | 127          | 388          | 376          | 1122         | 4.04       |
| 9                 | Otitis media                      | 42          | 29          | 77          | 83          | 85           | 84           | 135          | 97           | 632          | 2.28       |
| 10                | Nutritional deficiency            | 8           | 1           | 14          | 20          | 48           | 81           | 254          | 266          | 692          | 2.49       |
| 11                | Peptic ulcer syndrome             |             |             | 2           | 7           | 95           | 226          | 582          | 599          | 1511         | 5.45       |
| 12                | Diseases of teeth and gum         |             |             | 9           | 16          | 384          | 381          | 391          | 346          | 1527         | 5.50       |
| 13                | Urinary tract infection/nephritis | 1           |             | 4           | 3           | 19           | 31           | 113          | 95           | 266          | 0.96       |
| 14                | Injuries                          | 1           |             | 14          | 18          | 137          | 125          | 398          | 253          | 946          | 3.41       |
| 15                | STD                               |             |             |             |             |              |              | 14           | 3            | 17           | 0.06       |
| 16                | Childhood diseases                |             |             |             | 1           | 15           | 14           | 17           | 17           | 64           | 0.23       |
| 17                | Diseases of female genital tract  |             |             |             |             |              | 4            |              | 77           | 81           | 0.29       |
| 18                | Headache                          |             |             | 7           | 22          | 198          | 495          | 1124         | 1198         | 3044         | 10.97      |
| 19                | Others                            | 19          | 23          | 114         | 129         | 311          | 406          | 1260         | 1202         | 3464         | 12.48      |
| <b>Total</b>      |                                   | <b>552</b>  | <b>460</b>  | <b>1319</b> | <b>1473</b> | <b>3239</b>  | <b>4200</b>  | <b>8539</b>  | <b>7966</b>  | <b>27748</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>1.99</b> | <b>1.66</b> | <b>4.75</b> | <b>5.31</b> | <b>11.67</b> | <b>15.14</b> | <b>30.77</b> | <b>28.71</b> | <b>100</b>   |            |

Morbidity cases reported from BHUs - Gasa Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |             | 15 +         |              | Total       | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|--------------|-------------|--------------|--------------|-------------|------------|
|                   |                                   | M           | F           | M           | F           | M            | F           | M            | F            |             |            |
| 1                 | Diarrhoea/dysentery               | 2           | 4           | 9           | 8           | 48           | 22          | 113          | 59           | 265         | 10.65      |
| 2                 | Cough and cold                    | 8           | 11          | 14          | 10          | 59           | 45          | 233          | 151          | 531         | 21.33      |
| 3                 | Pneumonia                         |             |             |             |             | 1            |             | 1            | 1            | 3           | 0.12       |
| 4                 | Helminthic infestation            |             |             | 5           | 3           | 13           | 10          | 28           | 14           | 73          | 2.93       |
| 5                 | Skin infection                    |             |             | 4           | 3           | 16           | 20          | 51           | 34           | 128         | 5.14       |
| 6                 | Malaria                           |             |             |             |             |              |             |              |              | 0           | 0.00       |
| 7                 | Fever of unknown origin           |             |             |             |             | 1            | 1           | 3            | 8            | 13          | 0.52       |
| 8                 | Conjunctivitis                    |             | 1           |             | 3           | 11           | 8           | 35           | 70           | 128         | 5.14       |
| 9                 | Otitis media                      | 1           |             | 3           | 5           | 16           | 9           | 9            | 12           | 55          | 2.21       |
| 10                | Nutritional deficiency            |             |             |             |             | 5            | 4           | 43           | 48           | 100         | 4.02       |
| 11                | Peptic ulcer syndrome             |             |             |             |             | 7            | 1           | 67           | 72           | 147         | 5.91       |
| 12                | Diseases of teeth and gum         |             |             | 1           |             | 1            | 2           | 31           | 27           | 62          | 2.49       |
| 13                | Urinary tract infection/nephritis |             |             | 1           |             |              | 1           | 7            | 8            | 17          | 0.68       |
| 14                | Injuries                          |             |             | 2           | 1           | 21           | 15          | 64           | 37           | 140         | 5.62       |
| 15                | STD                               |             |             |             |             |              |             | 1            |              | 1           | 0.04       |
| 16                | Childhood diseases                |             |             |             |             | 8            | 1           | 3            | 1            | 13          | 0.52       |
| 17                | Diseases of female genital tract  |             |             |             |             |              |             |              |              | 0           | 0.00       |
| 18                | Headache                          |             |             | 4           |             | 30           | 30          | 218          | 201          | 483         | 19.41      |
| 19                | Others                            |             | 2           | 4           | 1           | 21           | 24          | 166          | 112          | 330         | 13.26      |
| <b>Total</b>      |                                   | <b>11</b>   | <b>18</b>   | <b>47</b>   | <b>34</b>   | <b>258</b>   | <b>193</b>  | <b>1073</b>  | <b>855</b>   | <b>2489</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>0.44</b> | <b>0.72</b> | <b>1.89</b> | <b>1.37</b> | <b>10.37</b> | <b>7.75</b> | <b>43.11</b> | <b>34.35</b> | <b>100</b>  |            |

### Morbidity cases reported from BHUs - Haa Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |              | 15 +         |              | Total        | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|------------|
|                   |                                   | M           | F           | M           | F           | M           | F            | M            | F            |              |            |
| 1                 | Diarrhoea/dysentery               | 6           | 12          | 69          | 76          | 125         | 113          | 316          | 193          | 910          | 6.26       |
| 2                 | Cough and cold                    | 32          | 41          | 192         | 213         | 348         | 537          | 1485         | 1155         | 4003         | 27.55      |
| 3                 | Pneumonia                         | 1           | 5           | 12          | 10          |             |              |              |              | 28           | 0.19       |
| 4                 | Helminthic infestation            |             | 2           | 14          | 42          | 59          | 80           | 205          | 126          | 528          | 3.63       |
| 5                 | Skin infection                    | 22          | 31          | 82          | 131         | 158         | 183          | 456          | 485          | 1548         | 10.65      |
| 6                 | Malaria                           |             |             |             |             |             |              |              |              | 0            | 0.00       |
| 7                 | Fever of unknown origin           |             |             |             | 4           | 9           | 18           | 16           | 26           | 73           | 0.50       |
| 8                 | Conjunctivitis                    |             |             | 12          | 28          | 33          | 61           | 128          | 112          | 374          | 2.57       |
| 9                 | Otitis media                      |             | 1           | 10          | 15          | 18          | 10           | 5            | 11           | 70           | 0.48       |
| 10                | Nutritional deficiency            |             |             | 2           | 6           | 22          | 31           | 166          | 191          | 418          | 2.88       |
| 11                | Peptic ulcer syndrome             |             |             |             |             | 21          | 33           | 544          | 587          | 1185         | 8.15       |
| 12                | Diseases of teeth and gum         |             |             | 3           | 11          | 26          | 40           | 50           | 73           | 203          | 1.40       |
| 13                | Urinary tract infection/nephritis |             |             |             |             | 1           | 1            | 64           | 31           | 97           | 0.67       |
| 14                | Injuries                          |             | 2           | 16          | 22          | 48          | 35           | 154          | 128          | 405          | 2.79       |
| 15                | STD                               |             |             |             |             |             |              | 2            |              | 2            | 0.01       |
| 16                | Childhood diseases                |             |             |             |             |             |              |              |              | 0            | 0.00       |
| 17                | Diseases of female genital tract  |             |             |             |             |             | 3            |              | 19           | 22           | 0.15       |
| 18                | Headache                          |             |             | 5           | 22          | 71          | 95           | 768          | 902          | 1863         | 12.82      |
| 19                | Others                            | 21          | 36          | 84          | 139         | 203         | 237          | 1086         | 997          | 2803         | 19.29      |
| <b>Total</b>      |                                   | <b>82</b>   | <b>130</b>  | <b>501</b>  | <b>719</b>  | <b>1142</b> | <b>1477</b>  | <b>5445</b>  | <b>5036</b>  | <b>14532</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>0.56</b> | <b>0.89</b> | <b>3.45</b> | <b>4.95</b> | <b>7.86</b> | <b>10.16</b> | <b>37.47</b> | <b>34.65</b> | <b>100</b>   |            |

### Morbidity cases reported from BHUs - Lhuntse Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 +         |              | Total        | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |                                   | M           | F           | M           | F           | M            | F            | M            | F            |              |            |
| 1                 | Diarrhoea/dysentery               | 102         | 140         | 301         | 238         | 426          | 451          | 403          | 427          | 2458         | 11.86      |
| 2                 | Cough and cold                    | 135         | 126         | 184         | 214         | 517          | 588          | 1537         | 1437         | 4738         | 22.86      |
| 3                 | Pneumonia                         | 21          | 23          | 35          | 18          | 6            | 3            | 14           | 13           | 133          | 0.64       |
| 4                 | Helminthic infestation            |             | 1           | 89          | 85          | 155          | 204          | 242          | 271          | 1047         | 5.05       |
| 5                 | Skin infection                    | 46          | 54          | 182         | 146         | 494          | 402          | 619          | 577          | 2530         | 12.21      |
| 6                 | Malaria                           |             |             |             |             |              |              |              |              | 0            | 0.00       |
| 7                 | Fever of unknown origin           | 13          | 4           | 2           | 4           | 13           | 9            | 28           | 36           | 97           | 0.47       |
| 8                 | Conjunctivitis                    | 25          | 24          | 88          | 46          | 167          | 149          | 392          | 644          | 1528         | 7.37       |
| 9                 | Otitis media                      | 12          | 9           | 46          | 38          | 83           | 63           | 58           | 92           | 421          | 2.03       |
| 10                | Nutritional deficiency            | 24          | 3           | 10          | 10          | 18           | 27           | 95           | 170          | 336          | 1.62       |
| 11                | Peptic ulcer syndrome             |             |             |             | 1           | 25           | 38           | 379          | 477          | 920          | 4.44       |
| 12                | Diseases of teeth and gum         |             |             | 7           | 4           | 43           | 33           | 193          | 250          | 530          | 2.56       |
| 13                | Urinary tract infection/nephritis |             | 1           | 5           | 5           | 7            | 18           | 114          | 197          | 347          | 1.67       |
| 14                | Injuries                          |             | 4           | 25          | 19          | 218          | 126          | 405          | 292          | 1000         | 4.82       |
| 15                | STD                               |             |             |             |             |              |              | 31           | 38           | 46           | 0.22       |
| 16                | Childhood diseases                |             | 6           | 13          | 15          | 104          | 139          | 7            | 10           | 286          | 1.38       |
| 17                | Diseases of female genital tract  |             | 1           |             | 5           |              | 10           |              | 73           | 89           | 0.43       |
| 18                | Headache                          |             |             | 6           | 30          | 240          | 256          | 636          | 974          | 2142         | 10.33      |
| 19                | Others                            | 5           | 10          | 68          | 62          | 138          | 182          | 699          | 899          | 2079         | 10.07      |
| <b>Total</b>      |                                   | <b>365</b>  | <b>402</b>  | <b>1061</b> | <b>940</b>  | <b>2654</b>  | <b>2689</b>  | <b>5852</b>  | <b>6764</b>  | <b>20727</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>1.76</b> | <b>1.94</b> | <b>5.12</b> | <b>4.54</b> | <b>12.80</b> | <b>12.97</b> | <b>28.23</b> | <b>32.63</b> | <b>100</b>   |            |

Morbidity cases reported from BHUs - Monggar Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 +         |              | Total        | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |                                   | M           | F           | M           | F           | M            | F            | M            | F            |              |            |
| 1                 | Diarrhoea/dysentery               | 249         | 233         | 698         | 595         | 1073         | 1027         | 1853         | 1235         | 6963         | 12.22      |
| 2                 | Cough and cold                    | 372         | 303         | 600         | 724         | 1123         | 1173         | 3886         | 3095         | 11276        | 19.78      |
| 3                 | Pneumonia                         | 138         | 93          | 186         | 137         | 77           | 79           | 206          | 174          | 1090         | 1.91       |
| 4                 | Helminthic infestation            | 5           | 2           | 527         | 203         | 553          | 432          | 651          | 601          | 2974         | 5.22       |
| 5                 | Skin infection                    | 115         | 125         | 393         | 438         | 727          | 669          | 2191         | 1396         | 6054         | 10.62      |
| 6                 | Malaria                           | 1           |             | 5           | 2           | 22           | 13           | 65           | 42           | 150          | 0.26       |
| 7                 | Fever of unknown origin           | 9           | 1           | 24          | 29          | 36           | 25           | 190          | 56           | 370          | 0.65       |
| 8                 | Conjunctivitis                    | 73          | 73          | 176         | 206         | 360          | 404          | 1088         | 1084         | 3464         | 6.08       |
| 9                 | Otitis media                      | 63          | 39          | 141         | 131         | 219          | 218          | 234          | 240          | 1285         | 2.25       |
| 10                | Nutritional deficiency            | 15          | 20          | 47          | 60          | 181          | 156          | 557          | 475          | 1511         | 2.65       |
| 11                | Peptic ulcer syndrome             |             | 1           | 9           | 10          | 95           | 128          | 1190         | 1198         | 2631         | 4.62       |
| 12                | Diseases of teeth and gum         |             | 1           | 8           | 35          | 115          | 136          | 504          | 437          | 1236         | 2.17       |
| 13                | Urinary tract infection/nephritis | 1           | 3           | 4           | 19          | 43           | 67           | 346          | 467          | 950          | 1.67       |
| 14                | Injuries                          | 7           | 4           | 40          | 67          | 375          | 221          | 1355         | 428          | 2497         | 4.38       |
| 15                | STD                               |             |             |             |             |              | 2            | 85           | 65           | 152          | 0.27       |
| 16                | Childhood diseases                | 5           | 2           | 21          | 29          | 87           | 86           | 19           | 26           | 275          | 0.48       |
| 17                | Diseases of female genital tract  |             | 1           |             | 4           |              | 12           |              | 193          | 210          | 0.37       |
| 18                | Headache                          | 4           | 3           | 20          | 36          | 387          | 393          | 2055         | 1932         | 4830         | 8.47       |
| 19                | Others                            | 66          | 77          | 281         | 294         | 713          | 740          | 3279         | 3628         | 9078         | 15.93      |
| <b>Total</b>      |                                   | <b>1123</b> | <b>981</b>  | <b>3180</b> | <b>3019</b> | <b>6186</b>  | <b>5981</b>  | <b>19754</b> | <b>16772</b> | <b>56996</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>1.97</b> | <b>1.72</b> | <b>5.58</b> | <b>5.30</b> | <b>10.85</b> | <b>10.49</b> | <b>34.66</b> | <b>29.43</b> | <b>100</b>   |            |

Morbidity cases reported from BHUs - Paro Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 +         |              | Total        | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |                                   | M           | F           | M           | F           | M            | F            | M            | F            |              |            |
| 1                 | Diarrhoea/dysentery               | 43          | 52          | 122         | 113         | 160          | 134          | 354          | 298          | 1276         | 8.02       |
| 2                 | Cough and cold                    | 70          | 70          | 193         | 192         | 510          | 469          | 1030         | 1109         | 3643         | 22.90      |
| 3                 | Pneumonia                         | 23          | 35          | 50          | 48          | 14           | 11           | 48           | 53           | 282          | 1.77       |
| 4                 | Helminthic infestation            |             | 1           | 28          | 39          | 68           | 69           | 91           | 82           | 378          | 2.38       |
| 5                 | Skin infection                    | 19          | 9           | 56          | 90          | 182          | 164          | 343          | 289          | 1152         | 7.24       |
| 6                 | Malaria                           |             |             |             |             |              |              | 2            | 3            | 5            | 0.03       |
| 7                 | Fever of unknown origin           | 2           | 2           | 6           | 24          | 21           | 25           | 104          | 92           | 276          | 1.74       |
| 8                 | Conjunctivitis                    | 3           | 17          | 24          | 60          | 81           | 70           | 172          | 199          | 626          | 3.94       |
| 9                 | Otitis media                      | 7           | 2           | 34          | 20          | 54           | 49           | 54           | 45           | 265          | 1.67       |
| 10                | Nutritional deficiency            | 2           | 6           | 11          | 21          | 30           | 31           | 90           | 215          | 406          | 2.55       |
| 11                | Peptic ulcer syndrome             |             |             |             |             | 66           | 78           | 626          | 753          | 1523         | 9.58       |
| 12                | Diseases of teeth and gum         | 1           |             | 4           | 19          | 53           | 58           | 162          | 194          | 491          | 3.09       |
| 13                | Urinary tract infection/nephritis |             |             | 1           | 3           | 13           | 16           | 84           | 157          | 274          | 1.72       |
| 14                | Injuries                          |             |             | 15          | 16          | 77           | 68           | 299          | 134          | 609          | 3.83       |
| 15                | STD                               |             |             |             |             |              |              | 16           | 1            | 17           | 0.11       |
| 16                | Childhood diseases                | 1           |             | 7           | 11          | 70           | 82           | 26           | 23           | 220          | 1.38       |
| 17                | Diseases of female genital tract  |             |             |             | 1           |              | 7            |              | 40           | 48           | 0.30       |
| 18                | Headache                          |             |             | 5           | 16          | 129          | 154          | 668          | 993          | 1965         | 12.35      |
| 19                | Others                            | 17          | 20          | 69          | 83          | 154          | 160          | 933          | 1014         | 2450         | 15.40      |
| <b>Total</b>      |                                   | <b>188</b>  | <b>214</b>  | <b>625</b>  | <b>756</b>  | <b>1682</b>  | <b>1645</b>  | <b>5102</b>  | <b>5694</b>  | <b>15906</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>1.18</b> | <b>1.35</b> | <b>3.93</b> | <b>4.75</b> | <b>10.57</b> | <b>10.34</b> | <b>32.08</b> | <b>35.80</b> | <b>100</b>   |            |

Morbidity cases reported from BHUs - Pemagatshel Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 +         |              | Total       | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|-------------|------------|
|                   |                                   | M           | F           | M           | F           | M            | F            | M            | F            |             |            |
| 1                 | Diarrhoea/dysentery               | 29          | 24          | 82          | 75          | 147          | 115          | 137          | 145          | 754         | 11.28      |
| 2                 | Cough and cold                    | 55          | 46          | 87          | 95          | 246          | 243          | 358          | 456          | 1586        | 23.72      |
| 3                 | Pneumonia                         | 12          | 5           | 6           | 12          | 8            | 2            | 14           | 14           | 73          | 1.09       |
| 4                 | Helminthic infestation            |             |             | 47          | 43          | 39           | 58           | 47           | 112          | 346         | 5.17       |
| 5                 | Skin infection                    | 33          | 29          | 84          | 75          | 152          | 162          | 164          | 302          | 1001        | 14.97      |
| 6                 | Malaria                           |             |             |             |             |              |              | 4            |              | 4           | 0.06       |
| 7                 | Fever of unknown origin           | 1           |             | 7           | 9           | 5            | 9            | 31           | 51           | 113         | 1.69       |
| 8                 | Conjunctivitis                    | 11          | 16          | 35          | 41          | 36           | 44           | 78           | 136          | 397         | 5.94       |
| 9                 | Otitis media                      | 1           | 4           | 16          | 17          | 29           | 25           | 29           | 49           | 170         | 2.54       |
| 10                | Nutritional deficiency            | 1           | 1           | 6           | 5           | 4            | 2            | 25           | 89           | 133         | 1.99       |
| 11                | Peptic ulcer syndrome             |             |             | 1           | 1           | 28           | 31           | 110          | 185          | 356         | 5.32       |
| 12                | Diseases of teeth and gum         |             |             |             | 2           | 15           | 13           | 53           | 79           | 162         | 2.42       |
| 13                | Urinary tract infection/nephritis |             |             |             | 1           | 4            | 7            | 23           | 77           | 112         | 1.67       |
| 14                | Injuries                          |             |             | 6           | 18          | 28           | 25           | 69           | 53           | 199         | 2.98       |
| 15                | STD                               |             |             |             |             |              |              | 15           | 10           | 25          | 0.37       |
| 16                | Childhood diseases                |             |             |             |             |              | 2            | 2            | 1            | 5           | 0.07       |
| 17                | Diseases of female genital tract  |             |             |             |             |              | 1            |              | 17           | 18          | 0.27       |
| 18                | Headache                          |             |             | 2           | 18          | 77           | 68           | 111          | 237          | 513         | 7.67       |
| 19                | Others                            | 7           | 3           | 14          | 18          | 55           | 38           | 217          | 368          | 720         | 10.77      |
| <b>Total</b>      |                                   | <b>150</b>  | <b>128</b>  | <b>393</b>  | <b>430</b>  | <b>873</b>   | <b>845</b>   | <b>1487</b>  | <b>2381</b>  | <b>6687</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>2.24</b> | <b>1.91</b> | <b>5.88</b> | <b>6.43</b> | <b>13.06</b> | <b>12.64</b> | <b>22.24</b> | <b>35.61</b> | <b>100</b>  |            |

Morbidity cases reported from BHUs - Punakha Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 +         |              | Total        | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |                                   | M           | F           | M           | F           | M            | F            | M            | F            |              |            |
| 1                 | Diarrhoea/dysentery               | 64          | 60          | 227         | 225         | 424          | 452          | 553          | 514          | 2519         | 11.42      |
| 2                 | Cough and cold                    | 98          | 94          | 248         | 228         | 662          | 840          | 1279         | 1449         | 4898         | 22.21      |
| 3                 | Pneumonia                         | 50          | 53          | 90          | 81          | 43           | 50           | 45           | 48           | 460          | 2.09       |
| 4                 | Helminthic infestation            |             | 1           | 80          | 78          | 155          | 131          | 207          | 238          | 890          | 4.04       |
| 5                 | Skin infection                    | 50          | 36          | 124         | 172         | 572          | 522          | 723          | 623          | 2822         | 12.80      |
| 6                 | Malaria                           |             |             |             |             |              |              |              |              | 0            | 0.00       |
| 7                 | Fever of unknown origin           | 8           | 9           | 23          | 27          | 42           | 34           | 288          | 158          | 589          | 2.67       |
| 8                 | Conjunctivitis                    | 8           | 11          | 33          | 36          | 108          | 125          | 244          | 415          | 980          | 4.44       |
| 9                 | Otitis media                      | 20          | 11          | 33          | 34          | 80           | 66           | 62           | 65           | 371          | 1.68       |
| 10                | Nutritional deficiency            | 1           | 4           | 12          | 10          | 42           | 52           | 237          | 413          | 771          | 3.50       |
| 11                | Peptic ulcer syndrome             |             |             |             | 2           | 15           | 38           | 524          | 604          | 1183         | 5.37       |
| 12                | Diseases of teeth and gum         |             |             | 3           | 3           | 43           | 71           | 162          | 178          | 460          | 2.09       |
| 13                | Urinary tract infection/nephritis |             | 1           | 4           | 1           | 8            | 8            | 82           | 129          | 233          | 1.06       |
| 14                | Injuries                          | 1           | 2           | 27          | 22          | 187          | 92           | 496          | 165          | 992          | 4.50       |
| 15                | STD                               |             |             |             |             |              | 3            | 23           | 7            | 33           | 0.15       |
| 16                | Childhood diseases                | 1           | 1           | 16          | 14          | 189          | 232          | 18           | 23           | 494          | 2.24       |
| 17                | Diseases of female genital tract  |             |             |             | 1           |              | 2            |              | 75           | 78           | 0.35       |
| 18                | Headache                          |             |             | 3           | 11          | 104          | 138          | 737          | 1006         | 1999         | 9.07       |
| 19                | Others                            | 16          | 16          | 65          | 62          | 181          | 223          | 829          | 885          | 2277         | 10.33      |
| <b>Total</b>      |                                   | <b>317</b>  | <b>299</b>  | <b>988</b>  | <b>1007</b> | <b>2855</b>  | <b>3079</b>  | <b>6509</b>  | <b>6995</b>  | <b>22049</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>1.44</b> | <b>1.36</b> | <b>4.48</b> | <b>4.57</b> | <b>12.95</b> | <b>13.96</b> | <b>29.52</b> | <b>31.72</b> | <b>100</b>   |            |

Morbidity cases reported from BHUs - Samdrupjongkhar Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 +         |              | Total        | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |                                   | M           | F           | M           | F           | M            | F            | M            | F            |              |            |
| 1                 | Diarrhoea/dysentery               | 150         | 169         | 458         | 434         | 844          | 712          | 1215         | 865          | 4847         | 9.67       |
| 2                 | Cough and cold                    | 350         | 332         | 607         | 688         | 1423         | 1572         | 3293         | 2938         | 11203        | 22.36      |
| 3                 | Pneumonia                         | 125         | 101         | 177         | 172         | 91           | 92           | 106          | 118          | 982          | 1.96       |
| 4                 | Helminthic infestation            |             | 1           | 174         | 175         | 330          | 351          | 473          | 475          | 1979         | 3.95       |
| 5                 | Skin infection                    | 132         | 135         | 322         | 334         | 713          | 476          | 1817         | 1057         | 4986         | 9.95       |
| 6                 | Malaria                           | 5           | 7           | 53          | 47          | 247          | 224          | 624          | 402          | 1609         | 3.21       |
| 7                 | Fever of unknown origin           | 25          | 30          | 110         | 113         | 219          | 196          | 748          | 550          | 1991         | 3.97       |
| 8                 | Conjunctivitis                    | 34          | 40          | 95          | 100         | 222          | 198          | 745          | 804          | 2238         | 4.47       |
| 9                 | Otitis media                      | 38          | 31          | 93          | 108         | 194          | 179          | 216          | 182          | 1041         | 2.08       |
| 10                | Nutritional deficiency            | 12          | 7           | 39          | 43          | 77           | 89           | 402          | 432          | 1101         | 2.20       |
| 11                | Peptic ulcer syndrome             |             | 1           | 3           | 7           | 112          | 92           | 1135         | 1339         | 2689         | 5.37       |
| 12                | Diseases of teeth and gum         |             |             | 17          | 9           | 79           | 64           | 330          | 310          | 809          | 1.61       |
| 13                | Urinary tract infection/nephritis | 4           | 3           | 22          | 21          | 39           | 38           | 309          | 719          | 1155         | 2.31       |
| 14                | Injuries                          | 4           | 7           | 68          | 47          | 312          | 129          | 1038         | 299          | 1904         | 3.80       |
| 15                | STD                               |             |             |             |             | 2            | 1            | 33           | 8            | 44           | 0.09       |
| 16                | Childhood diseases                | 4           |             | 8           | 12          | 101          | 95           | 12           | 9            | 241          | 0.48       |
| 17                | Diseases of female genital tract  |             | 1           |             | 2           |              | 4            |              | 149          | 156          | 0.31       |
| 18                | Headache                          |             |             | 35          | 35          | 553          | 570          | 1503         | 1581         | 4277         | 8.54       |
| 19                | Others                            | 59          | 36          | 136         | 147         | 383          | 353          | 2908         | 2832         | 6854         | 13.68      |
| <b>Total</b>      |                                   | <b>942</b>  | <b>901</b>  | <b>2417</b> | <b>2494</b> | <b>5941</b>  | <b>5435</b>  | <b>16907</b> | <b>15069</b> | <b>50106</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>1.88</b> | <b>1.80</b> | <b>4.82</b> | <b>4.98</b> | <b>11.86</b> | <b>10.85</b> | <b>33.74</b> | <b>30.07</b> | <b>100</b>   |            |

Morbidity cases reported from BHUs - Samtse Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 +         |              | Total        | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |                                   | M           | F           | M           | F           | M            | F            | M            | F            |              |            |
| 1                 | Diarrhoea/dysentery               | 106         | 110         | 351         | 301         | 557          | 499          | 588          | 573          | 3085         | 8.46       |
| 2                 | Cough and cold                    | 216         | 189         | 538         | 518         | 1081         | 1094         | 2287         | 2624         | 8547         | 23.45      |
| 3                 | Pneumonia                         | 34          | 28          | 55          | 48          | 29           | 31           | 59           | 80           | 364          | 1.00       |
| 4                 | Helminthic infestation            | 2           | 4           | 253         | 222         | 342          | 321          | 288          | 382          | 1814         | 4.98       |
| 5                 | Skin infection                    | 84          | 104         | 279         | 301         | 712          | 524          | 934          | 845          | 3783         | 10.38      |
| 6                 | Malaria                           |             |             | 1           | 1           | 7            | 8            | 15           | 6            | 38           | 0.10       |
| 7                 | Fever of unknown origin           | 32          | 30          | 124         | 132         | 364          | 286          | 929          | 983          | 2880         | 7.90       |
| 8                 | Conjunctivitis                    | 23          | 31          | 52          | 63          | 114          | 144          | 199          | 275          | 901          | 2.47       |
| 9                 | Otitis media                      | 24          | 9           | 51          | 67          | 107          | 118          | 96           | 127          | 599          | 1.64       |
| 10                | Nutritional deficiency            | 4           |             | 28          | 12          | 38           | 45           | 179          | 496          | 802          | 2.20       |
| 11                | Peptic ulcer syndrome             |             |             | 3           | 8           | 85           | 105          | 691          | 1164         | 2056         | 5.64       |
| 12                | Diseases of teeth and gum         |             | 1           | 8           | 13          | 58           | 60           | 187          | 210          | 537          | 1.47       |
| 13                | Urinary tract infection/nephritis | 2           | 1           | 8           | 6           | 13           | 18           | 75           | 187          | 310          | 0.85       |
| 14                | Injuries                          | 3           | 3           | 40          | 37          | 258          | 137          | 537          | 280          | 1295         | 3.55       |
| 15                | STD                               |             |             |             |             |              |              | 4            | 3            | 7            | 0.02       |
| 16                | Childhood diseases                | 2           | 2           | 21          | 32          | 163          | 133          | 50           | 58           | 461          | 1.26       |
| 17                | Diseases of female genital tract  |             |             |             | 1           |              | 12           |              | 275          | 288          | 0.79       |
| 18                | Headache                          |             | 1           | 37          | 81          | 448          | 576          | 1778         | 2170         | 5091         | 13.97      |
| 19                | Others                            | 12          | 31          | 95          | 110         | 329          | 302          | 1224         | 1484         | 3587         | 9.84       |
| <b>Total</b>      |                                   | <b>544</b>  | <b>544</b>  | <b>1944</b> | <b>1953</b> | <b>4705</b>  | <b>4413</b>  | <b>10120</b> | <b>12222</b> | <b>36445</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>1.49</b> | <b>1.49</b> | <b>5.33</b> | <b>5.36</b> | <b>12.91</b> | <b>12.11</b> | <b>27.77</b> | <b>33.54</b> | <b>100</b>   |            |

Morbidity cases reported from BHUs - Sarpang Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 +         |              | Total        | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |                                   | M           | F           | M           | F           | M            | F            | M            | F            |              |            |
| 1                 | Diarrhoea/dysentery               | 234         | 220         | 375         | 456         | 656          | 698          | 1109         | 861          | 4609         | 10.66      |
| 2                 | Cough and cold                    | 235         | 297         | 474         | 487         | 706          | 845          | 1464         | 1437         | 5945         | 13.76      |
| 3                 | Pneumonia                         | 80          | 92          | 183         | 152         | 73           | 66           | 91           | 80           | 817          | 1.89       |
| 4                 | Helminthic infestation            | 3           | 5           | 126         | 95          | 163          | 142          | 152          | 160          | 846          | 1.96       |
| 5                 | Skin infection                    | 143         | 172         | 386         | 409         | 524          | 534          | 1116         | 808          | 4092         | 9.47       |
| 6                 | Malaria                           | 8           | 6           | 109         | 96          | 273          | 231          | 768          | 524          | 2015         | 4.66       |
| 7                 | Fever of unknown origin           | 155         | 168         | 330         | 350         | 513          | 573          | 987          | 833          | 3909         | 9.04       |
| 8                 | Conjunctivitis                    | 50          | 56          | 130         | 120         | 218          | 215          | 362          | 383          | 1534         | 3.55       |
| 9                 | Otitis media                      | 36          | 44          | 138         | 128         | 184          | 205          | 155          | 160          | 1050         | 2.43       |
| 10                | Nutritional deficiency            | 4           | 8           | 48          | 40          | 84           | 96           | 203          | 362          | 845          | 1.96       |
| 11                | Peptic ulcer syndrome             |             |             | 2           | 4           | 139          | 164          | 849          | 902          | 2060         | 4.77       |
| 12                | Diseases of teeth and gum         |             |             | 9           | 41          | 126          | 150          | 341          | 277          | 944          | 2.18       |
| 13                | Urinary tract infection/nephritis | 2           |             | 13          | 13          | 58           | 64           | 296          | 461          | 907          | 2.10       |
| 14                | Injuries                          | 5           | 4           | 63          | 56          | 311          | 158          | 941          | 311          | 1849         | 4.28       |
| 15                | STD                               |             |             |             |             |              |              | 47           | 28           | 75           | 0.17       |
| 16                | Childhood diseases                | 1           | 1           | 18          | 30          | 117          | 98           | 23           | 36           | 324          | 0.75       |
| 17                | Diseases of female genital tract  |             |             |             |             |              | 16           |              | 108          | 124          | 0.29       |
| 18                | Headache                          | 2           | 2           | 34          | 56          | 570          | 630          | 1850         | 2035         | 5179         | 11.98      |
| 19                | Others                            | 104         | 105         | 255         | 206         | 475          | 464          | 2287         | 2200         | 6096         | 14.10      |
| <b>Total</b>      |                                   | <b>1062</b> | <b>1180</b> | <b>2693</b> | <b>2739</b> | <b>5190</b>  | <b>5349</b>  | <b>13041</b> | <b>11966</b> | <b>43220</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>2.46</b> | <b>2.73</b> | <b>6.23</b> | <b>6.34</b> | <b>12.01</b> | <b>12.38</b> | <b>30.17</b> | <b>27.69</b> | <b>100</b>   |            |

Morbidity cases reported from BHUs - Shemgang Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 +         |              | Total        | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |                                   | M           | F           | M           | F           | M            | F            | M            | F            |              |            |
| 1                 | Diarrhoea/dysentery               | 114         | 123         | 452         | 388         | 715          | 633          | 904          | 626          | 3955         | 11.47      |
| 2                 | Cough and cold                    | 175         | 169         | 389         | 489         | 925          | 1047         | 2364         | 2401         | 7959         | 23.09      |
| 3                 | Pneumonia                         | 52          | 25          | 59          | 62          | 22           | 32           | 33           | 49           | 334          | 0.97       |
| 4                 | Helminthic infestation            | 1           |             | 78          | 97          | 195          | 231          | 410          | 477          | 1489         | 4.32       |
| 5                 | Skin infection                    | 75          | 73          | 243         | 230         | 421          | 416          | 1328         | 889          | 3675         | 10.66      |
| 6                 | Malaria                           |             |             | 3           | 1           | 20           | 16           | 52           | 22           | 114          | 0.33       |
| 7                 | Fever of unknown origin           | 22          | 20          | 67          | 78          | 128          | 104          | 340          | 253          | 1012         | 2.94       |
| 8                 | Conjunctivitis                    | 38          | 43          | 64          | 86          | 169          | 177          | 446          | 617          | 1640         | 4.76       |
| 9                 | Otitis media                      | 49          | 36          | 69          | 89          | 99           | 107          | 106          | 81           | 636          | 1.84       |
| 10                | Nutritional deficiency            | 6           | 4           | 25          | 57          | 52           | 43           | 257          | 254          | 698          | 2.02       |
| 11                | Peptic ulcer syndrome             | 1           |             | 9           | 10          | 152          | 162          | 992          | 1101         | 2427         | 7.04       |
| 12                | Diseases of teeth and gum         |             |             | 18          | 12          | 100          | 120          | 467          | 479          | 1196         | 3.47       |
| 13                | Urinary tract infection/nephritis | 1           |             | 8           | 4           | 7            | 10           | 156          | 221          | 407          | 1.18       |
| 14                | Injuries                          | 1           | 1           | 34          | 54          | 245          | 115          | 768          | 328          | 1546         | 4.48       |
| 15                | STD                               |             |             |             |             |              | 4            | 31           | 14           | 49           | 0.14       |
| 16                | Childhood diseases                | 2           | 1           | 7           | 8           | 44           | 50           | 24           | 16           | 152          | 0.44       |
| 17                | Diseases of female genital tract  |             |             |             | 2           |              | 5            |              | 145          | 152          | 0.44       |
| 18                | Headache                          | 1           | 1           | 18          | 21          | 294          | 344          | 828          | 1101         | 2608         | 7.57       |
| 19                | Others                            | 22          | 19          | 138         | 141         | 424          | 382          | 1809         | 1488         | 4423         | 12.83      |
| <b>Total</b>      |                                   | <b>560</b>  | <b>515</b>  | <b>1681</b> | <b>1829</b> | <b>4012</b>  | <b>3998</b>  | <b>11315</b> | <b>10562</b> | <b>34472</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>1.62</b> | <b>1.49</b> | <b>4.88</b> | <b>5.31</b> | <b>11.64</b> | <b>11.60</b> | <b>32.82</b> | <b>30.64</b> | <b>100</b>   |            |

Morbidity cases reported from BHUs - Thimphu Dzongkhag, 2001

| Sl. No.    | Disease                           | 0 - 11/12 |      | 1 - 4 |      | 5 - 14 |       | 15 +  |       | Total | %     |
|------------|-----------------------------------|-----------|------|-------|------|--------|-------|-------|-------|-------|-------|
|            |                                   | M         | F    | M     | F    | M      | F     | M     | F     |       |       |
| 1          | Diarrhoea/dysentery               | 190       | 162  | 454   | 438  | 338    | 469   | 870   | 502   | 3423  | 11.30 |
| 2          | Cough and cold                    | 306       | 255  | 626   | 775  | 1028   | 1098  | 2435  | 2058  | 8581  | 28.34 |
| 3          | Pneumonia                         | 80        | 43   | 96    | 94   | 59     | 61    | 96    | 83    | 612   | 2.02  |
| 4          | Helminthic infestation            | 1         | 1    | 98    | 68   | 93     | 88    | 110   | 96    | 555   | 1.83  |
| 5          | Skin infection                    | 52        | 78   | 194   | 203  | 393    | 451   | 1072  | 637   | 3080  | 10.17 |
| 6          | Malaria                           |           |      |       |      |        |       |       |       | 0     | 0.00  |
| 7          | Fever of unknown origin           | 13        | 17   | 38    | 52   | 27     | 31    | 80    | 65    | 323   | 1.07  |
| 8          | Conjunctivitis                    | 33        | 26   | 76    | 68   | 124    | 148   | 432   | 390   | 1297  | 4.28  |
| 9          | Otitis media                      | 33        | 38   | 69    | 50   | 82     | 66    | 91    | 85    | 514   | 1.70  |
| 10         | Nutritional deficiency            | 3         | 3    | 21    | 28   | 37     | 53    | 267   | 287   | 699   | 2.31  |
| 11         | Peptic ulcer syndrome             |           |      | 1     | 1    | 23     | 68    | 894   | 759   | 1746  | 5.77  |
| 12         | Diseases of teeth and gum         |           |      | 7     | 16   | 93     | 122   | 285   | 245   | 768   | 2.54  |
| 13         | Urinary tract infection/nephritis |           |      | 9     | 10   | 15     | 24    | 204   | 254   | 516   | 1.70  |
| 14         | Injuries                          |           |      | 50    | 45   | 212    | 136   | 885   | 224   | 1552  | 5.12  |
| 15         | STD                               |           |      |       |      |        |       | 7     | 5     | 12    | 0.04  |
| 16         | Childhood diseases                | 1         | 3    | 87    | 71   | 215    | 197   | 35    | 25    | 634   | 2.09  |
| 17         | Diseases of female genital tract  |           |      |       |      |        |       |       | 154   | 154   | 0.51  |
| 18         | Headache                          | 5         |      | 4     | 8    | 97     | 140   | 622   | 858   | 1734  | 5.73  |
| 19         | Others                            | 51        | 56   | 180   | 180  | 308    | 337   | 1783  | 1188  | 4083  | 13.48 |
| Total      |                                   | 768       | 682  | 2010  | 2107 | 3144   | 3489  | 10168 | 7915  | 30283 | 100   |
| Percentage |                                   | 2.54      | 2.25 | 6.64  | 6.96 | 10.38  | 11.52 | 33.58 | 26.14 | 100   |       |

Morbidity cases reported from BHUs - Trashigang Dzongkhag, 2001

| Sl. No.    | Disease                           | 0 - 11/12 |      | 1 - 4 |      | 5 - 14 |       | 15 +  |       | Total | %     |
|------------|-----------------------------------|-----------|------|-------|------|--------|-------|-------|-------|-------|-------|
|            |                                   | M         | F    | M     | F    | M      | F     | M     | F     |       |       |
| 1          | Diarrhoea/dysentery               | 326       | 444  | 938   | 919  | 1288   | 1152  | 1831  | 1896  | 8794  | 13.31 |
| 2          | Cough and cold                    | 444       | 457  | 858   | 868  | 1283   | 1648  | 3854  | 4617  | 14029 | 21.23 |
| 3          | Pneumonia                         | 111       | 127  | 132   | 131  | 60     | 49    | 122   | 159   | 891   | 1.35  |
| 4          | Helminthic infestation            | 4         | 4    | 317   | 292  | 447    | 552   | 630   | 725   | 2971  | 4.50  |
| 5          | Skin infection                    | 176       | 186  | 515   | 537  | 1025   | 964   | 1948  | 1910  | 7261  | 10.99 |
| 6          | Malaria                           |           |      | 2     |      | 6      | 2     | 21    | 17    | 48    | 0.07  |
| 7          | Fever of unknown origin           | 32        | 30   | 82    | 79   | 126    | 154   | 503   | 573   | 1579  | 2.39  |
| 8          | Conjunctivitis                    | 99        | 145  | 316   | 338  | 548    | 604   | 1439  | 1769  | 5258  | 7.96  |
| 9          | Otitis media                      | 60        | 58   | 144   | 166  | 239    | 258   | 270   | 263   | 1458  | 2.21  |
| 10         | Nutritional deficiency            | 7         | 15   | 47    | 63   | 98     | 96    | 404   | 457   | 1187  | 1.80  |
| 11         | Peptic ulcer syndrome             |           |      | 7     | 43   | 194    | 275   | 1500  | 1841  | 3860  | 5.84  |
| 12         | Diseases of teeth and gum         |           | 1    | 16    | 47   | 142    | 185   | 547   | 711   | 1649  | 2.50  |
| 13         | Urinary tract infection/nephritis |           |      | 15    | 14   | 39     | 44    | 198   | 401   | 711   | 1.08  |
| 14         | Injuries                          | 3         | 8    | 64    | 70   | 319    | 199   | 658   | 348   | 1669  | 2.53  |
| 15         | STD                               |           |      |       |      |        | 2     | 52    | 23    | 77    | 0.12  |
| 16         | Childhood diseases                | 5         | 1    | 28    | 18   | 79     | 63    | 15    | 16    | 225   | 0.34  |
| 17         | Diseases of female genital tract  |           | 5    |       | 8    |        | 19    |       | 152   | 184   | 0.28  |
| 18         | Headache                          |           |      | 79    | 129  | 385    | 533   | 1890  | 2432  | 5448  | 8.24  |
| 19         | Others                            | 61        | 84   | 324   | 301  | 630    | 680   | 2796  | 3910  | 8786  | 13.29 |
| Total      |                                   | 1328      | 1565 | 3884  | 4023 | 6908   | 7479  | 18678 | 22220 | 66085 | 100   |
| Percentage |                                   | 2.01      | 2.37 | 5.88  | 6.09 | 10.45  | 11.32 | 28.26 | 33.62 | 100   |       |

Morbidity cases reported from BHUs - Trashiyangtse Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 +         |              | Total        | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |                                   | M           | F           | M           | F           | M            | F            | M            | F            |              |            |
| 1                 | Diarrhoea/dysentery               | 99          | 151         | 331         | 319         | 475          | 448          | 648          | 615          | 3086         | 16.10      |
| 2                 | Cough and cold                    | 137         | 107         | 182         | 209         | 427          | 496          | 1342         | 1353         | 4253         | 22.18      |
| 3                 | Pneumonia                         | 24          | 32          | 22          | 31          | 11           | 8            | 16           | 21           | 165          | 0.86       |
| 4                 | Helminthic infestation            |             |             | 42          | 48          | 100          | 98           | 137          | 118          | 543          | 2.83       |
| 5                 | Skin infection                    | 54          | 57          | 160         | 147         | 370          | 348          | 606          | 640          | 2382         | 12.43      |
| 6                 | Malaria                           |             |             |             |             |              |              | 2            | 2            | 4            | 0.02       |
| 7                 | Fever of unknown origin           | 5           | 3           | 12          | 13          | 31           | 31           | 94           | 77           | 266          | 1.39       |
| 8                 | Conjunctivitis                    | 28          | 55          | 78          | 85          | 131          | 136          | 336          | 447          | 1296         | 6.76       |
| 9                 | Otitis media                      | 24          | 47          | 52          | 43          | 89           | 67           | 88           | 79           | 489          | 2.55       |
| 10                | Nutritional deficiency            | 4           | 5           | 20          | 20          | 20           | 18           | 102          | 146          | 335          | 1.75       |
| 11                | Peptic ulcer syndrome             |             |             |             | 3           | 42           | 45           | 358          | 447          | 895          | 4.67       |
| 12                | Diseases of teeth and gum         |             |             | 4           | 2           | 33           | 43           | 196          | 251          | 529          | 2.76       |
| 13                | Urinary tract infection/nephritis |             |             | 4           | 1           | 6            | 16           | 64           | 106          | 197          | 1.03       |
| 14                | Injuries                          | 1           | 1           | 16          | 15          | 199          | 59           | 334          | 109          | 734          | 3.83       |
| 15                | STD                               |             |             |             |             |              |              | 8            | 1            | 9            | 0.05       |
| 16                | Childhood diseases                |             |             | 4           | 9           | 4            | 9            | 6            | 5            | 37           | 0.19       |
| 17                | Diseases of female genital tract  |             |             |             |             |              | 3            |              | 57           | 60           | 0.31       |
| 18                | Headache                          | 1           |             | 4           | 9           | 145          | 173          | 349          | 598          | 1279         | 6.67       |
| 19                | Others                            | 25          | 28          | 70          | 72          | 186          | 202          | 993          | 1036         | 2612         | 13.62      |
| <b>Total</b>      |                                   | <b>402</b>  | <b>486</b>  | <b>1001</b> | <b>1026</b> | <b>2269</b>  | <b>2200</b>  | <b>5679</b>  | <b>6108</b>  | <b>19171</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>2.10</b> | <b>2.54</b> | <b>5.22</b> | <b>5.35</b> | <b>11.84</b> | <b>11.48</b> | <b>29.62</b> | <b>31.86</b> | <b>100</b>   |            |

Morbidity cases reported from BHUs - Trongsa Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |              | 15 +         |              | Total        | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|------------|
|                   |                                   | M           | F           | M           | F           | M           | F            | M            | F            |              |            |
| 1                 | Diarrhoea/dysentery               | 94          | 82          | 251         | 223         | 259         | 302          | 369          | 394          | 1974         | 10.68      |
| 2                 | Cough and cold                    | 160         | 123         | 193         | 181         | 386         | 422          | 1021         | 1443         | 3929         | 21.25      |
| 3                 | Pneumonia                         | 29          | 18          | 22          | 26          | 9           | 9            | 18           | 24           | 155          | 0.84       |
| 4                 | Helminthic infestation            | 1           |             | 81          | 92          | 112         | 138          | 145          | 166          | 735          | 3.98       |
| 5                 | Skin infection                    | 28          | 20          | 89          | 99          | 197         | 219          | 410          | 455          | 1517         | 8.20       |
| 6                 | Malaria                           |             |             |             |             | 1           |              | 5            | 8            | 14           | 0.08       |
| 7                 | Fever of unknown origin           | 56          | 74          | 73          | 93          | 93          | 113          | 214          | 222          | 938          | 5.07       |
| 8                 | Conjunctivitis                    | 32          | 26          | 56          | 54          | 95          | 93           | 334          | 432          | 1122         | 6.07       |
| 9                 | Otitis media                      | 22          | 25          | 42          | 40          | 61          | 51           | 68           | 68           | 377          | 2.04       |
| 10                | Nutritional deficiency            | 12          | 10          | 24          | 41          | 37          | 47           | 81           | 171          | 423          | 2.29       |
| 11                | Peptic ulcer syndrome             |             |             | 7           | 6           | 39          | 78           | 542          | 796          | 1468         | 7.94       |
| 12                | Diseases of teeth and gum         |             |             | 3           | 13          | 44          | 53           | 184          | 249          | 546          | 2.95       |
| 13                | Urinary tract infection/nephritis |             |             | 2           | 1           | 6           | 13           | 55           | 130          | 207          | 1.12       |
| 14                | Injuries                          | 4           | 1           | 33          | 20          | 80          | 67           | 264          | 99           | 568          | 3.07       |
| 15                | STD                               |             |             |             |             |             | 1            | 44           | 12           | 57           | 0.31       |
| 16                | Childhood diseases                | 3           | 3           | 10          | 9           | 107         | 112          | 14           | 32           | 290          | 1.57       |
| 17                | Diseases of female genital tract  |             | 1           |             |             |             | 3            |              | 49           | 53           | 0.29       |
| 18                | Headache                          | 6           | 9           | 46          | 54          | 139         | 152          | 611          | 1047         | 2064         | 11.16      |
| 19                | Others                            | 65          | 11          | 53          | 62          | 88          | 142          | 693          | 939          | 2053         | 11.10      |
| <b>Total</b>      |                                   | <b>512</b>  | <b>403</b>  | <b>985</b>  | <b>1014</b> | <b>1753</b> | <b>2015</b>  | <b>5072</b>  | <b>6736</b>  | <b>18490</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>2.77</b> | <b>2.18</b> | <b>5.33</b> | <b>5.48</b> | <b>9.48</b> | <b>10.90</b> | <b>27.43</b> | <b>36.43</b> | <b>100</b>   |            |

Morbidity cases reported from BHUs - Tsirang Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |              | 15 +         |              | Total       | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|------------|
|                   |                                   | M           | F           | M           | F           | M           | F            | M            | F            |             |            |
| 1                 | Diarrhoea/dysentery               | 36          | 39          | 77          | 63          | 96          | 130          | 178          | 168          | 787         | 9.47       |
| 2                 | Cough and cold                    | 45          | 54          | 105         | 99          | 139         | 244          | 380          | 515          | 1581        | 19.03      |
| 3                 | Pneumonia                         | 14          | 17          | 18          | 27          | 18          | 22           | 39           | 40           | 195         | 2.35       |
| 4                 | Helminthic infestation            | 1           |             | 52          | 31          | 62          | 79           | 39           | 58           | 322         | 3.88       |
| 5                 | Skin infection                    | 19          | 23          | 64          | 60          | 129         | 129          | 293          | 234          | 951         | 11.45      |
| 6                 | Malaria                           |             |             |             |             |             | 2            | 4            | 5            | 11          | 0.13       |
| 7                 | Fever of unknown origin           | 25          | 26          | 43          | 51          | 55          | 89           | 209          | 322          | 820         | 9.87       |
| 8                 | Conjunctivitis                    | 10          | 6           | 5           | 11          | 16          | 17           | 46           | 57           | 168         | 2.02       |
| 9                 | Otitis media                      | 6           | 3           | 11          | 14          | 34          | 24           | 22           | 39           | 153         | 1.84       |
| 10                | Nutritional deficiency            |             | 1           | 3           | 1           | 4           | 4            | 35           | 89           | 137         | 1.65       |
| 11                | Peptic ulcer syndrome             | 1           |             | 3           | 2           | 13          | 34           | 133          | 171          | 357         | 4.30       |
| 12                | Diseases of teeth and gum         | 1           | 1           | 2           | 1           | 9           | 11           | 41           | 87           | 153         | 1.84       |
| 13                | Urinary tract infection/nephritis | 1           | 1           | 3           | 3           | 2           | 2            | 32           | 55           | 99          | 1.19       |
| 14                | Injuries                          |             | 1           | 8           | 7           | 38          | 30           | 111          | 61           | 256         | 3.08       |
| 15                | STD                               |             |             |             |             |             | 1            |              | 1            | 2           | 0.02       |
| 16                | Childhood diseases                |             | 1           | 4           | 4           | 17          | 20           | 8            | 7            | 61          | 0.73       |
| 17                | Diseases of female genital tract  |             |             |             | 6           |             | 10           |              | 38           | 54          | 0.65       |
| 18                | Headache                          | 1           | 2           | 11          | 10          | 82          | 88           | 473          | 750          | 1417        | 17.05      |
| 19                | Others                            | 8           | 6           | 24          | 25          | 62          | 51           | 246          | 363          | 785         | 9.45       |
| <b>Total</b>      |                                   | <b>168</b>  | <b>181</b>  | <b>433</b>  | <b>415</b>  | <b>776</b>  | <b>987</b>   | <b>2289</b>  | <b>3060</b>  | <b>8309</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>2.02</b> | <b>2.18</b> | <b>5.21</b> | <b>4.99</b> | <b>9.34</b> | <b>11.88</b> | <b>27.55</b> | <b>36.83</b> | <b>100</b>  |            |

Morbidity cases reported from BHUs - Wangdue Dzongkhag, 2001

| Sl. No.           | Disease                           | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |              | 15 +         |              | Total        | %          |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|------------|
|                   |                                   | M           | F           | M           | F           | M           | F            | M            | F            |              |            |
| 1                 | Diarrhoea/dysentery               | 307         | 312         | 636         | 628         | 770         | 771          | 1571         | 1339         | 6334         | 13.16      |
| 2                 | Cough and cold                    | 492         | 538         | 773         | 867         | 1116        | 1132         | 2526         | 2649         | 10093        | 20.97      |
| 3                 | Pneumonia                         | 100         | 95          | 153         | 172         | 186         | 188          | 411          | 370          | 1675         | 3.48       |
| 4                 | Helminthic infestation            |             |             | 127         | 162         | 198         | 226          | 414          | 405          | 1532         | 3.18       |
| 5                 | Skin infection                    | 176         | 181         | 310         | 329         | 489         | 509          | 1175         | 943          | 4112         | 8.54       |
| 6                 | Malaria                           |             |             |             |             | 1           | 1            | 3            | 2            | 7            | 0.01       |
| 7                 | Fever of unknown origin           | 18          | 17          | 25          | 21          | 51          | 52           | 200          | 177          | 561          | 1.17       |
| 8                 | Conjunctivitis                    | 174         | 183         | 237         | 319         | 353         | 423          | 794          | 910          | 3393         | 7.05       |
| 9                 | Otitis media                      | 82          | 95          | 137         | 130         | 137         | 117          | 88           | 78           | 864          | 1.80       |
| 10                | Nutritional deficiency            | 48          | 53          | 174         | 197         | 204         | 310          | 523          | 927          | 2436         | 5.06       |
| 11                | Peptic ulcer syndrome             |             |             |             | 1           | 126         | 181          | 1723         | 1875         | 3906         | 8.12       |
| 12                | Diseases of teeth and gum         |             |             | 9           | 14          | 127         | 153          | 367          | 379          | 1049         | 2.18       |
| 13                | Urinary tract infection/nephritis |             | 3           | 15          | 19          | 23          | 34           | 145          | 202          | 441          | 0.92       |
| 14                | Injuries                          | 3           | 2           | 82          | 97          | 198         | 182          | 730          | 397          | 1691         | 3.51       |
| 15                | STD                               |             |             |             |             |             | 1            | 68           | 36           | 105          | 0.22       |
| 16                | Childhood diseases                | 1           | 1           | 50          | 54          | 60          | 83           | 19           | 14           | 282          | 0.59       |
| 17                | Diseases of female genital tract  |             |             |             |             |             | 2            |              | 142          | 144          | 0.30       |
| 18                | Headache                          | 1           | 1           | 167         | 174         | 428         | 497          | 2125         | 2490         | 5883         | 12.22      |
| 19                | Others                            | 32          | 39          | 107         | 131         | 247         | 281          | 1454         | 1331         | 3622         | 7.53       |
| <b>Total</b>      |                                   | <b>1434</b> | <b>1520</b> | <b>3002</b> | <b>3315</b> | <b>4714</b> | <b>5143</b>  | <b>14336</b> | <b>14666</b> | <b>48130</b> | <b>100</b> |
| <b>Percentage</b> |                                   | <b>2.98</b> | <b>3.16</b> | <b>6.24</b> | <b>6.89</b> | <b>9.79</b> | <b>10.69</b> | <b>29.79</b> | <b>30.47</b> | <b>100</b>   |            |



## Hospital morbidity report for Bhutan - 2001

| Sl. No            | Diseases                                      | 0 - 11/12    |              | 1 - 4        |              | 5 - 14       |              | 15 - 49       |               | 50 +         |              | Total         | %          |
|-------------------|---|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|--------------|--------------|---------------|------------|
|                   |   | M            | F            | M            | F            | M            | F            | M             | F             | M            | F            |               |            |
| 1                 | Bacterial and amoebic intestinal infections   | 810          | 913          | 1537         | 1768         | 2022         | 2002         | 4111          | 3027          | 1379         | 1224         | 18793         | 3.77       |
| 2                 | Viral and other intestinal infections         | 1615         | 1607         | 3483         | 3038         | 3969         | 3782         | 5556          | 3997          | 1591         | 1218         | 29856         | 5.99       |
| 3                 | Tuberculosis                                  | 8            | 2            | 9            | 18           | 45           | 142          | 436           | 403           | 358          | 335          | 1756          | 0.35       |
| 4                 | Children's diseases                           | 22           | 58           | 264          | 297          | 816          | 752          | 309           | 249           | 52           | 35           | 2854          | 0.57       |
| 5                 | Tonsillitis                                   | 101          | 117          | 292          | 403          | 1020         | 1210         | 2072          | 2082          | 625          | 585          | 8507          | 1.71       |
| 6                 | Scabies                                       | 130          | 219          | 474          | 550          | 716          | 805          | 1224          | 814           | 525          | 416          | 5873          | 1.18       |
| 7                 | Hepatitis                                     | 14           | 9            | 29           | 24           | 57           | 69           | 193           | 143           | 31           | 23           | 592           | 0.12       |
| 8                 | Malaria                                       | 12           | 11           | 70           | 64           | 251          | 188          | 743           | 403           | 119          | 50           | 1911          | 0.38       |
| 9                 | Gonorrhoea                                    |              |              |              |              | 7            | 9            | 716           | 468           | 131          | 85           | 1416          | 0.28       |
| 10                | Intestinal worms                              | 28           | 101          | 1037         | 1081         | 1568         | 1498         | 1757          | 1433          | 787          | 607          | 9897          | 1.98       |
| 11                | Other infections                              | 26           | 43           | 263          | 280          | 551          | 578          | 817           | 654           | 269          | 252          | 3733          | 0.75       |
| 12                | Neoplasms                                     |              |              | 1            |              | 1            | 2            | 54            | 54            | 123          | 114          | 349           | 0.07       |
| 13                | Endocrine, metabolic and nutritional diseases | 107          | 184          | 608          | 640          | 827          | 819          | 1241          | 1297          | 740          | 618          | 7081          | 1.42       |
| 14                | Anaemia                                       | 87           | 134          | 209          | 225          | 687          | 794          | 1189          | 2367          | 778          | 813          | 7283          | 1.46       |
| 15                | Mental disorder                               | 2            | 1            |              | 5            | 6            | 9            | 93            | 93            | 22           | 28           | 259           | 0.05       |
| 16                | Diseases of the eye                           | 353          | 483          | 889          | 1002         | 1881         | 2104         | 4733          | 4330          | 1800         | 1406         | 18981         | 3.81       |
| 17                | Diseases of the ear                           | 386          | 375          | 936          | 951          | 1739         | 1822         | 2596          | 2148          | 895          | 667          | 12515         | 2.51       |
| 18                | Diseases of the nervous system                | 36           | 34           | 76           | 124          | 275          | 334          | 1127          | 894           | 339          | 222          | 3461          | 0.69       |
| 19                | Diseases of the circulatory system            | 6            | 8            | 27           | 23           | 250          | 390          | 2959          | 3375          | 2971         | 2736         | 12745         | 2.56       |
| 20                | ARI   | 3496         | 3512         | 5834         | 5745         | 8020         | 9196         | 16487         | 13978         | 4563         | 3578         | 74409         | 14.92      |
| 21                | Other diseases of the respiratory system      | 1579         | 1588         | 2796         | 2880         | 3337         | 3665         | 6587          | 5790          | 3243         | 2964         | 34429         | 6.90       |
| 22                | Diseases of the teeth and gum                 | 42           | 60           | 421          | 499          | 2525         | 2749         | 7797          | 7554          | 3107         | 2273         | 27027         | 5.42       |
| 23                | Peptic ulcer and gastritis                    | 78           | 92           | 295          | 409          | 1709         | 2218         | 10229         | 11187         | 4008         | 3567         | 33792         | 6.78       |
| 24                | Other diseases of the digestive system        | 147          | 179          | 338          | 374          | 867          | 997          | 2366          | 2541          | 1491         | 1303         | 10603         | 2.13       |
| 25                | Diseases of the urinary system                | 19           | 15           | 110          | 130          | 428          | 564          | 2234          | 3874          | 895          | 1033         | 9302          | 1.87       |
| 26                | Diseases of male genital organs               | 5            |              | 22           |              | 94           |              | 555           |               | 250          |              | 926           | 0.19       |
| 27                | Diseases of breast                            |              |              |              | 3            |              | 16           |               | 586           |              | 71           | 676           | 0.14       |
| 28                | Diseases of female genital organs             |              |              |              | 5            |              | 97           |               | 3568          |              | 598          | 4268          | 0.86       |
| 29                | Pregnancy, childbirth and the puerperium      |              |              |              |              |              |              |               | 2842          |              | 4            | 2846          | 0.57       |
| 30                | Diseases of the skin                          | 1538         | 1608         | 3627         | 3687         | 6618         | 6196         | 14123         | 9926          | 3668         | 2600         | 53591         | 10.75      |
| 31                | Diseases of the musculo-skeletal system       | 13           | 30           | 86           | 109          | 692          | 779          | 8446          | 6351          | 3607         | 3003         | 23116         | 4.64       |
| 32                | Acute abdomen                                 | 5            | 7            | 117          | 215          | 380          | 488          | 932           | 1139          | 407          | 237          | 3927          | 0.79       |
| 33                | Fever of unknown origin                       | 276          | 279          | 590          | 477          | 828          | 920          | 3468          | 2203          | 661          | 350          | 10052         | 2.02       |
| 34                | Headache                                      | 51           | 61           | 213          | 317          | 2160         | 2626         | 7026          | 7699          | 2825         | 2324         | 25302         | 5.07       |
| 35                | Other symptoms and signs                      | 474          | 498          | 859          | 1026         | 1468         | 1567         | 4143          | 3501          | 1756         | 1635         | 16927         | 3.39       |
| 36                | Injuries                                      | 134          | 230          | 819          | 833          | 2371         | 1802         | 7153          | 3243          | 1923         | 1113         | 19624         | 3.94       |
| <b>Total</b>      |   | <b>11600</b> | <b>12458</b> | <b>26331</b> | <b>27205</b> | <b>48185</b> | <b>51189</b> | <b>123472</b> | <b>114213</b> | <b>45939</b> | <b>38087</b> | <b>498679</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>2.33</b>  | <b>2.50</b>  | <b>5.28</b>  | <b>5.46</b>  | <b>9.66</b>  | <b>10.26</b> | <b>24.76</b>  | <b>22.90</b>  | <b>9.21</b>  | <b>7.64</b>  | <b>100</b>    |            |

## Hospital morbidity report for Bumthang Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 - 49      |              | 50 +        |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|-------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M            | F            | M            | F            | M           | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 4           | 8           | 21          | 22          | 40           | 28           | 59           | 42           | 14          | 13          | 251          | 2.32       |
| 2                 | Viral and other intestinal infections         | 32          | 43          | 101         | 79          | 173          | 137          | 165          | 114          | 36          | 37          | 917          | 8.47       |
| 3                 | Tuberculosis                                  |             |             |             |             |              |              | 2            |              |             |             | 2            | 0.02       |
| 4                 | Children's diseases                           |             |             |             |             | 5            | 2            |              |              |             |             | 7            | 0.06       |
| 5                 | Tonsillitis                                   |             |             |             |             | 15           | 8            | 72           | 65           | 20          | 16          | 196          | 1.81       |
| 6                 | Scabies                                       | 2           |             | 4           | 5           | 5            | 4            | 10           | 5            | 1           |             | 36           | 0.33       |
| 7                 | Hepatitis                                     |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 8                 | Malaria                                       |             |             |             | 1           |              | 1            | 1            |              |             |             | 3            | 0.03       |
| 9                 | Gonorrhoea                                    |             |             |             |             |              |              | 36           | 15           | 1           |             | 52           | 0.48       |
| 10                | Intestinal worms                              |             | 1           | 37          | 20          | 62           | 60           | 51           | 32           | 13          | 15          | 291          | 2.69       |
| 11                | Other infections                              |             |             |             |             |              |              | 6            | 2            |             |             | 8            | 0.07       |
| 12                | Neoplasms                                     |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases |             |             | 1           | 1           | 15           | 7            | 19           | 12           | 3           | 5           | 63           | 0.58       |
| 14                | Anaemia                                       | 1           |             | 1           | 2           | 4            | 5            | 12           | 58           | 14          | 14          | 111          | 1.02       |
| 15                | Mental disorder                               |             |             |             |             |              |              |              | 1            |             |             | 1            | 0.01       |
| 16                | Diseases of the eye                           | 8           | 11          | 12          | 24          | 62           | 64           | 149          | 139          | 51          | 52          | 572          | 5.28       |
| 17                | Diseases of the ear                           | 18          | 17          | 39          | 41          | 77           | 79           | 82           | 53           | 28          | 17          | 451          | 4.16       |
| 18                | Diseases of the nervous system                |             |             |             | 1           | 10           | 2            | 5            | 1            | 4           | 2           | 25           | 0.23       |
| 19                | Diseases of the circulatory system            |             |             |             |             |              | 1            | 44           | 37           | 44          | 39          | 165          | 1.52       |
| 20                | ARI   | 78          | 86          | 111         | 129         | 254          | 253          | 434          | 435          | 95          | 81          | 1956         | 18.06      |
| 21                | Other diseases of the respiratory system      | 34          | 40          | 61          | 53          | 114          | 100          | 180          | 172          | 49          | 40          | 843          | 7.78       |
| 22                | Diseases of the teeth and gum                 |             |             | 14          | 11          | 67           | 56           | 176          | 135          | 38          | 31          | 528          | 4.88       |
| 23                | Peptic ulcer and gastritis                    |             |             |             |             | 41           | 47           | 400          | 391          | 119         | 117         | 1115         | 10.30      |
| 24                | Other diseases of the digestive system        | 1           | 1           | 3           | 3           | 5            | 7            | 18           | 14           | 12          | 13          | 77           | 0.71       |
| 25                | Diseases of the urinary system                | 1           |             | 2           | 5           | 6            | 5            | 28           | 70           | 10          | 8           | 135          | 1.25       |
| 26                | Diseases of male genital organs               |             |             | 1           |             | 6            |              | 18           |              | 3           |             | 28           | 0.26       |
| 27                | Diseases of breast                            |             |             |             |             |              |              |              | 26           |             |             | 26           | 0.24       |
| 28                | Diseases of female genital organs             |             |             |             | 2           |              | 2            |              | 106          |             |             | 110          | 1.02       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |              |              |              | 5            |             |             | 5            | 0.05       |
| 30                | Diseases of the skin                          | 36          | 40          | 67          | 69          | 195          | 164          | 417          | 251          | 73          | 63          | 1375         | 12.70      |
| 31                | Diseases of the musculo-skeletal system       |             |             |             |             | 3            | 5            | 103          | 73           | 50          | 37          | 271          | 2.50       |
| 32                | Acute abdomen                                 |             |             | 1           |             | 1            | 2            | 5            | 1            | 1           | 1           | 12           | 0.11       |
| 33                | Fever of unknown origin                       |             |             |             |             | 11           | 15           | 86           | 72           | 22          | 16          | 222          | 2.05       |
| 34                | Headache                                      |             |             |             | 1           | 26           | 37           | 158          | 106          | 35          | 28          | 391          | 3.61       |
| 35                | Other symptoms and signs                      |             | 1           |             |             | 5            | 6            | 10           | 6            | 3           | 1           | 32           | 0.30       |
| 36                | Injuries                                      | 4           |             | 18          | 16          | 93           | 48           | 205          | 89           | 49          | 31          | 553          | 5.11       |
| <b>Total</b>      |   | <b>219</b>  | <b>248</b>  | <b>494</b>  | <b>485</b>  | <b>1295</b>  | <b>1145</b>  | <b>2951</b>  | <b>2528</b>  | <b>788</b>  | <b>677</b>  | <b>10830</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>2.02</b> | <b>2.29</b> | <b>4.56</b> | <b>4.48</b> | <b>11.96</b> | <b>10.57</b> | <b>27.25</b> | <b>23.34</b> | <b>7.28</b> | <b>6.25</b> | <b>100</b>   |            |

# Hospital morbidity report for Damphu hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 - 49      |              | 50 +         |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M            | F            | M            | F            | M            | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 28          | 36          | 45          | 69          | 75           | 87           | 114          | 113          | 86           | 56          | 709          | 4.37       |
| 2                 | Viral and other intestinal infections         | 40          | 53          | 76          | 110         | 109          | 132          | 115          | 123          | 90           | 67          | 915          | 5.64       |
| 3                 | Tuberculosis                                  |             |             |             |             |              |              |              |              |              |             | 0            | 0.00       |
| 4                 | Children's diseases                           |             | 2           | 1           | 5           | 21           | 14           | 10           | 11           | 3            |             | 67           | 0.41       |
| 5                 | Tonsillitis                                   | 19          | 39          | 39          | 64          | 88           | 76           | 77           | 86           | 65           | 56          | 609          | 3.75       |
| 6                 | Scabies                                       | 4           | 4           | 11          | 14          | 27           | 34           | 32           | 25           | 28           | 17          | 196          | 1.21       |
| 7                 | Hepatitis                                     |             |             |             |             |              |              | 1            | 2            |              |             | 3            | 0.02       |
| 8                 | Malaria                                       |             |             | 1           | 2           | 1            | 13           | 17           | 13           | 16           |             | 63           | 0.39       |
| 9                 | Gonorrhoea                                    |             |             |             |             |              |              | 4            | 3            | 2            |             | 9            | 0.06       |
| 10                | Intestinal worms                              | 3           | 8           | 14          | 17          | 26           | 30           | 32           | 28           | 15           | 15          | 188          | 1.16       |
| 11                | Other infections                              |             | 10          | 16          | 19          | 20           | 31           | 41           | 34           | 15           | 10          | 196          | 1.21       |
| 12                | Neoplasms                                     |             |             |             |             |              | 1            |              |              |              |             | 1            | 0.01       |
| 13                | Endocrine, metabolic and nutritional diseases | 2           |             | 3           | 3           | 4            | 10           | 7            | 13           | 8            | 5           | 55           | 0.34       |
| 14                | Anaemia                                       | 1           | 1           | 2           | 5           | 10           | 15           | 27           | 55           | 21           | 15          | 152          | 0.94       |
| 15                | Mental disorder                               |             |             |             |             |              |              |              |              |              |             | 0            | 0.00       |
| 16                | Diseases of the eye                           | 42          | 51          | 95          | 93          | 115          | 135          | 125          | 133          | 93           | 52          | 934          | 5.76       |
| 17                | Diseases of the ear                           | 21          | 30          | 50          | 75          | 72           | 106          | 86           | 66           | 57           | 37          | 600          | 3.70       |
| 18                | Diseases of the nervous system                | 2           |             | 7           | 22          | 29           | 44           | 53           | 50           | 24           | 19          | 250          | 1.54       |
| 19                | Diseases of the circulatory system            |             |             |             |             |              | 10           | 20           | 32           | 27           | 22          | 111          | 0.68       |
| 20                | ARI   | 110         | 118         | 193         | 201         | 269          | 404          | 397          | 294          | 200          | 134         | 2320         | 14.30      |
| 21                | Other diseases of the respiratory system      | 66          | 88          | 121         | 143         | 170          | 210          | 237          | 259          | 190          | 161         | 1645         | 10.14      |
| 22                | Diseases of the teeth and gum                 | 5           | 11          | 26          | 46          | 82           | 91           | 110          | 103          | 80           | 66          | 620          | 3.82       |
| 23                | Peptic ulcer and gastritis                    | 3           | 12          | 39          | 63          | 97           | 142          | 203          | 217          | 139          | 106         | 1021         | 6.29       |
| 24                | Other diseases of the digestive system        | 4           | 11          | 6           | 25          | 36           | 52           | 70           | 61           | 39           | 36          | 340          | 2.10       |
| 25                | Diseases of the urinary system                |             |             | 1           | 6           | 9            | 26           | 45           | 68           | 22           | 32          | 209          | 1.29       |
| 26                | Diseases of male genital organs               |             |             | 1           |             | 2            |              | 9            |              | 7            |             | 19           | 0.12       |
| 27                | Diseases of breast                            |             |             |             |             |              | 1            |              | 16           |              | 1           | 18           | 0.11       |
| 28                | Diseases of female genital organs             |             |             |             | 1           |              | 13           |              | 84           |              | 17          | 115          | 0.71       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |              |              |              |              |              |             | 0            | 0.00       |
| 30                | Diseases of the skin                          | 59          | 87          | 145         | 191         | 228          | 272          | 288          | 321          | 210          | 158         | 1959         | 12.08      |
| 31                | Diseases of the musculo-skeletal system       | 5           | 18          | 28          | 48          | 73           | 97           | 165          | 182          | 133          | 124         | 873          | 5.38       |
| 32                | Acute abdomen                                 |             |             |             |             | 3            | 4            | 9            | 11           | 5            | 5           | 37           | 0.23       |
| 33                | Fever of unknown origin                       |             |             | 4           | 12          | 18           | 21           | 17           | 41           | 56           | 24          | 193          | 1.19       |
| 34                | Headache                                      | 28          | 40          | 62          | 81          | 89           | 139          | 156          | 199          | 133          | 106         | 1033         | 6.37       |
| 35                | Other symptoms and signs                      | 5           | 4           | 13          | 19          | 31           | 37           | 74           | 88           | 41           | 37          | 349          | 2.15       |
| 36                | Injuries                                      | 1           | 3           | 13          | 19          | 43           | 49           | 102          | 84           | 64           | 34          | 412          | 2.54       |
| <b>Total</b>      |   | <b>448</b>  | <b>626</b>  | <b>1012</b> | <b>1353</b> | <b>1747</b>  | <b>2296</b>  | <b>2643</b>  | <b>2815</b>  | <b>1869</b>  | <b>1412</b> | <b>16221</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>2.76</b> | <b>3.86</b> | <b>6.24</b> | <b>8.34</b> | <b>10.77</b> | <b>14.15</b> | <b>16.29</b> | <b>17.35</b> | <b>11.52</b> | <b>8.70</b> | <b>100</b>   |            |

### Hospital morbidity report for Tshimalakha Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |              | 15 - 49      |              | 50 +         |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M           | F            | M            | F            | M            | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 6           | 13          | 21          | 30          | 26          | 49           | 58           | 69           | 73           | 5           | 350          | 2.50       |
| 2                 | Viral and other intestinal infections         | 94          | 81          | 77          | 76          | 78          | 126          | 150          | 170          | 118          | 12          | 982          | 7.02       |
| 3                 | Tuberculosis                                  |             |             |             |             |             |              |              |              |              |             | 0            | 0.00       |
| 4                 | Children's diseases                           |             |             | 3           | 7           | 12          | 12           | 8            | 3            | 5            |             | 50           | 0.36       |
| 5                 | Tonsillitis                                   |             | 1           | 1           | 3           | 2           | 25           | 28           | 59           | 44           | 2           | 165          | 1.18       |
| 6                 | Scabies                                       | 8           | 11          | 17          | 17          | 16          | 40           | 61           | 50           | 44           |             | 264          | 1.89       |
| 7                 | Hepatitis                                     |             |             |             |             |             |              |              |              | 3            |             | 3            | 0.02       |
| 8                 | Malaria                                       |             |             |             |             |             |              |              |              |              |             | 0            | 0.00       |
| 9                 | Gonorrhoea                                    |             |             |             |             |             |              |              | 6            | 13           |             | 19           | 0.14       |
| 10                | Intestinal worms                              |             | 10          | 37          | 45          | 52          | 77           | 87           | 109          | 89           | 3           | 509          | 3.64       |
| 11                | Other infections                              |             |             |             |             |             |              |              |              | 3            |             | 3            | 0.02       |
| 12                | Neoplasms                                     |             |             |             |             |             |              |              |              |              |             | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases |             |             |             | 1           | 1           | 4            | 12           | 19           | 20           |             | 57           | 0.41       |
| 14                | Anaemia                                       |             |             | 2           | 4           | 11          | 30           | 37           | 121          | 70           | 10          | 285          | 2.04       |
| 15                | Mental disorder                               |             |             |             |             | 1           |              | 1            | 2            |              |             | 4            | 0.03       |
| 16                | Diseases of the eye                           | 6           | 14          | 27          | 56          | 71          | 111          | 135          | 179          | 185          | 34          | 818          | 5.85       |
| 17                | Diseases of the ear                           |             |             | 7           | 4           | 8           | 22           | 18           | 18           | 24           | 1           | 102          | 0.73       |
| 18                | Diseases of the nervous system                |             |             | 4           | 3           | 6           | 27           | 21           | 58           | 77           | 6           | 202          | 1.44       |
| 19                | Diseases of the circulatory system            |             |             | 1           |             | 2           | 6            | 6            | 83           | 106          | 13          | 217          | 1.55       |
| 20                | ARI   | 126         | 101         | 110         | 136         | 142         | 257          | 295          | 428          | 428          | 46          | 2069         | 14.79      |
| 21                | Other diseases of the respiratory system      | 5           | 4           | 5           | 2           | 15          | 33           | 39           | 69           | 73           | 11          | 256          | 1.83       |
| 22                | Diseases of the teeth and gum                 |             |             | 2           | 12          | 35          | 95           | 165          | 224          | 280          | 27          | 840          | 6.01       |
| 23                | Peptic ulcer and gastritis                    |             |             | 1           | 3           | 6           | 74           | 102          | 303          | 271          | 27          | 787          | 5.63       |
| 24                | Other diseases of the digestive system        |             |             |             | 1           |             | 23           | 27           | 105          | 96           | 9           | 261          | 1.87       |
| 25                | Diseases of the urinary system                |             |             |             | 1           | 1           | 5            | 11           | 54           | 47           |             | 119          | 0.85       |
| 26                | Diseases of male genital organs               |             |             |             |             | 1           |              |              |              |              |             | 1            | 0.01       |
| 27                | Diseases of breast                            |             |             |             |             |             | 2            |              | 9            |              | 2           | 13           | 0.09       |
| 28                | Diseases of female genital organs             |             |             |             |             |             |              |              | 84           |              |             | 84           | 0.60       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |             |              |              |              |              |             | 0            | 0.00       |
| 30                | Diseases of the skin                          | 37          | 31          | 38          | 59          | 68          | 140          | 180          | 285          | 351          | 24          | 1213         | 8.67       |
| 31                | Diseases of the musculo-skeletal system       |             |             |             | 1           | 2           | 34           | 59           | 272          | 309          | 46          | 723          | 5.17       |
| 32                | Acute abdomen                                 |             |             | 1           | 4           | 16          | 56           | 159          | 171          | 132          | 11          | 550          | 3.93       |
| 33                | Fever of unknown origin                       | 152         | 126         | 116         | 110         | 98          | 172          | 190          | 259          | 239          | 16          | 1478         | 10.57      |
| 34                | Headache                                      |             |             |             | 6           | 36          | 162          | 228          | 302          | 376          | 24          | 1134         | 8.11       |
| 35                | Other symptoms and signs                      | 2           |             | 1           | 7           | 2           | 11           | 10           | 34           | 29           |             | 96           | 0.69       |
| 36                | Injuries                                      |             | 1           | 4           | 3           | 9           | 24           | 59           | 79           | 147          | 6           | 332          | 2.37       |
| <b>Total</b>      |   | <b>436</b>  | <b>393</b>  | <b>475</b>  | <b>591</b>  | <b>717</b>  | <b>1617</b>  | <b>2146</b>  | <b>3624</b>  | <b>3652</b>  | <b>335</b>  | <b>13986</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>3.12</b> | <b>2.81</b> | <b>3.40</b> | <b>4.23</b> | <b>5.13</b> | <b>11.56</b> | <b>15.34</b> | <b>25.91</b> | <b>26.11</b> | <b>2.40</b> | <b>100</b>   |            |

### Hospital morbidity report for Phuntsholing Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |             | 15 - 49      |              | 50 +        |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|--------------|-------------|--------------|--------------|-------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M            | F           | M            | F            | M           | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 12          | 25          | 32          | 42          | 39           | 28          | 87           | 52           | 11          | 13          | 341          | 1.41       |
| 2                 | Viral and other intestinal infections         | 58          | 63          | 176         | 179         | 188          | 150         | 298          | 275          | 33          | 42          | 1462         | 6.03       |
| 3                 | Tuberculosis                                  |             |             |             |             |              |             |              |              |             |             | 0            | 0.00       |
| 4                 | Children's diseases                           |             | 3           | 8           | 20          | 28           | 15          | 4            | 6            |             |             | 84           | 0.35       |
| 5                 | Tonsillitis                                   |             |             | 5           | 6           | 21           | 22          | 25           | 32           |             | 1           | 112          | 0.46       |
| 6                 | Scabies                                       | 1           | 1           | 5           | 4           | 17           | 8           | 25           | 20           | 4           | 1           | 86           | 0.35       |
| 7                 | Hepatitis                                     |             |             |             |             |              |             |              |              |             |             | 0            | 0.00       |
| 8                 | Malaria                                       |             |             | 1           | 1           | 7            | 2           | 16           | 6            | 3           |             | 36           | 0.15       |
| 9                 | Gonorrhoea                                    |             |             |             |             |              |             | 11           | 3            | 2           |             | 16           | 0.07       |
| 10                | Intestinal worms                              |             | 1           | 38          | 48          | 62           | 54          | 53           | 42           | 9           | 5           | 312          | 1.29       |
| 11                | Other infections                              | 3           | 3           | 14          | 16          | 16           | 23          | 47           | 34           | 1           | 3           | 160          | 0.66       |
| 12                | Neoplasms                                     |             |             |             |             |              |             |              |              |             |             | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases |             | 3           | 16          | 13          | 29           | 31          | 67           | 135          | 12          | 6           | 312          | 1.29       |
| 14                | Anaemia                                       |             |             |             |             |              |             | 5            | 17           | 1           | 1           | 24           | 0.10       |
| 15                | Mental disorder                               |             |             |             |             |              |             |              | 2            |             |             | 2            | 0.01       |
| 16                | Diseases of the eye                           | 17          | 19          | 20          | 28          | 85           | 84          | 198          | 186          | 32          | 19          | 688          | 2.84       |
| 17                | Diseases of the ear                           | 25          | 27          | 54          | 54          | 113          | 80          | 130          | 111          | 9           | 7           | 610          | 2.51       |
| 18                | Diseases of the nervous system                |             | 2           | 1           | 5           | 20           | 12          | 66           | 52           | 9           | 13          | 180          | 0.74       |
| 19                | Diseases of the circulatory system            |             |             |             |             | 5            | 7           | 80           | 97           | 49          | 36          | 274          | 1.13       |
| 20                | ARI   | 226         | 273         | 496         | 436         | 580          | 546         | 1148         | 1041         | 113         | 113         | 4972         | 20.49      |
| 21                | Other diseases of the respiratory system      | 52          | 51          | 129         | 159         | 195          | 190         | 531          | 563          | 87          | 79          | 2036         | 8.39       |
| 22                | Diseases of the teeth and gum                 | 11          | 9           | 60          | 68          | 315          | 313         | 712          | 915          | 152         | 96          | 2651         | 10.93      |
| 23                | Peptic ulcer and gastritis                    |             |             | 2           |             | 5            | 5           | 133          | 214          | 40          | 31          | 430          | 1.77       |
| 24                | Other diseases of the digestive system        | 2           | 3           | 12          | 14          | 29           | 46          | 284          | 376          | 47          | 42          | 855          | 3.52       |
| 25                | Diseases of the urinary system                |             | 3           | 6           | 5           | 2            | 9           | 62           | 143          | 14          | 11          | 255          | 1.05       |
| 26                | Diseases of male genital organs               |             |             | 1           |             |              |             | 41           |              | 3           |             | 45           | 0.19       |
| 27                | Diseases of breast                            |             |             |             | 1           |              | 6           |              | 74           |             | 1           | 82           | 0.34       |
| 28                | Diseases of female genital organs             |             |             |             |             |              | 14          |              | 390          |             | 7           | 411          | 1.69       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |              |             |              | 2            |             |             | 2            | 0.01       |
| 30                | Diseases of the skin                          | 75          | 94          | 269         | 267         | 417          | 346         | 895          | 659          | 107         | 41          | 3170         | 13.06      |
| 31                | Diseases of the musculo-skeletal system       |             | 1           | 6           | 8           | 77           | 79          | 589          | 601          | 121         | 105         | 1587         | 6.54       |
| 32                | Acute abdomen                                 | 1           | 2           | 11          | 26          | 61           | 94          | 253          | 431          | 26          | 22          | 927          | 3.82       |
| 33                | Fever of unknown origin                       |             |             | 4           |             | 1            | 1           | 12           | 10           |             |             | 28           | 0.12       |
| 34                | Headache                                      |             | 2           | 23          | 13          | 89           | 105         | 383          | 648          | 54          | 49          | 1366         | 5.63       |
| 35                | Other symptoms and signs                      |             |             | 11          | 3           | 5            | 4           | 45           | 56           | 18          | 12          | 154          | 0.63       |
| 36                | Injuries                                      | 2           |             | 40          | 27          | 96           | 54          | 240          | 82           | 45          | 8           | 594          | 2.45       |
| <b>Total</b>      |   | <b>485</b>  | <b>585</b>  | <b>1440</b> | <b>1443</b> | <b>2502</b>  | <b>2328</b> | <b>6440</b>  | <b>7275</b>  | <b>1002</b> | <b>764</b>  | <b>24264</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>2.00</b> | <b>2.41</b> | <b>5.93</b> | <b>5.95</b> | <b>10.31</b> | <b>9.59</b> | <b>26.54</b> | <b>29.98</b> | <b>4.13</b> | <b>3.15</b> | <b>100</b>   |            |

## Hospital morbidity report for IMTRAT MI ROOM (Phuntsholing) - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |              | 15 - 49      |              | 50 +         |              | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M           | F            | M            | F            | M            | F            |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 182         | 174         | 191         | 221         | 243         | 204          | 197          | 163          | 136          | 152          | 1863         | 6.87       |
| 2                 | Viral and other intestinal infections         | 214         | 215         | 225         | 213         | 212         | 161          | 174          | 205          | 164          | 186          | 1969         | 7.26       |
| 3                 | Tuberculosis                                  |             |             |             |             | 24          | 111          | 231          | 227          | 267          | 266          | 1126         | 4.15       |
| 4                 | Children's diseases                           | 11          | 20          | 34          | 50          | 45          | 35           | 27           | 18           | 19           | 18           | 277          | 1.02       |
| 5                 | Tonsillitis                                   | 73          | 70          | 74          | 69          | 94          | 95           | 109          | 102          | 93           | 113          | 892          | 3.29       |
| 6                 | Scabies                                       | 65          | 82          | 104         | 107         | 114         | 133          | 138          | 133          | 136          | 152          | 1164         | 4.29       |
| 7                 | Hepatitis                                     |             |             |             |             |             |              |              | 2            | 2            | 2            | 6            | 0.02       |
| 8                 | Malaria                                       |             |             |             |             | 4           | 5            | 11           | 9            | 8            | 5            | 42           | 0.15       |
| 9                 | Gonorrhoea                                    |             |             |             |             |             | 4            | 54           | 70           | 82           | 82           | 292          | 1.08       |
| 10                | Intestinal worms                              | 14          | 28          | 53          | 88          | 100         | 118          | 129          | 113          | 114          | 110          | 867          | 3.20       |
| 11                | Other infections                              |             |             |             |             | 8           | 20           | 26           | 27           | 27           | 30           | 138          | 0.51       |
| 12                | Neoplasms                                     |             |             |             |             |             |              |              |              |              |              | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases | 61          | 89          | 96          | 107         | 126         | 124          | 122          | 157          | 162          | 146          | 1190         | 4.39       |
| 14                | Anaemia                                       | 53          | 71          | 74          | 80          | 97          | 116          | 130          | 152          | 158          | 183          | 1114         | 4.11       |
| 15                | Mental disorder                               |             |             |             |             |             |              |              |              |              |              | 0            | 0.00       |
| 16                | Diseases of the eye                           | 19          | 90          | 31          | 44          | 36          | 51           | 62           | 67           | 66           | 61           | 527          | 1.94       |
| 17                | Diseases of the ear                           | 15          | 36          | 47          | 59          | 62          | 68           | 117          | 142          | 159          | 163          | 868          | 3.20       |
| 18                | Diseases of the nervous system                | 3           | 8           | 6           | 12          | 14          | 13           | 13           | 21           | 25           | 28           | 143          | 0.53       |
| 19                | Diseases of the circulatory system            |             |             |             |             | 1           | 43           | 129          | 130          | 189          | 178          | 670          | 2.47       |
| 20                | ARI   | 67          | 73          | 86          | 116         | 131         | 151          | 161          | 159          | 139          | 143          | 1226         | 4.52       |
| 21                | Other diseases of the respiratory system      | 109         | 106         | 121         | 125         | 156         | 180          | 208          | 223          | 229          | 209          | 1666         | 6.14       |
| 22                | Diseases of the teeth and gum                 |             |             |             |             | 16          | 35           | 42           | 45           | 47           | 45           | 230          | 0.85       |
| 23                | Peptic ulcer and gastritis                    | 35          | 51          | 48          | 61          | 86          | 154          | 230          | 266          | 300          | 331          | 1562         | 5.76       |
| 24                | Other diseases of the digestive system        | 48          | 65          | 80          | 107         | 120         | 148          | 170          | 191          | 223          | 219          | 1371         | 5.05       |
| 25                | Diseases of the urinary system                |             |             | 4           | 11          | 48          | 55           | 63           | 88           | 98           | 84           | 451          | 1.66       |
| 26                | Diseases of male genital organs               |             |             |             |             |             |              | 15           |              | 18           |              | 33           | 0.12       |
| 27                | Diseases of breast                            |             |             |             |             |             |              |              |              |              |              | 0            | 0.00       |
| 28                | Diseases of female genital organs             |             |             |             |             |             | 4            |              | 6            |              | 6            | 16           | 0.06       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |             |              |              |              |              |              | 0            | 0.00       |
| 30                | Diseases of the skin                          | 30          | 71          | 115         | 125         | 143         | 160          | 204          | 240          | 262          | 258          | 1608         | 5.93       |
| 31                | Diseases of the musculo-skeletal system       |             |             |             |             | 10          | 20           | 115          | 179          | 179          | 177          | 680          | 2.51       |
| 32                | Acute abdomen                                 |             | 2           | 2           | 2           | 2           | 2            | 12           | 13           | 16           | 9            | 60           | 0.22       |
| 33                | Fever of unknown origin                       |             |             |             | 4           | 5           | 10           | 16           | 18           | 18           | 16           | 87           | 0.32       |
| 34                | Headache                                      | 1           | 4           | 27          | 65          | 149         | 168          | 190          | 202          | 212          | 233          | 1251         | 4.61       |
| 35                | Other symptoms and signs                      | 85          | 89          | 112         | 144         | 197         | 222          | 230          | 224          | 227          | 238          | 1768         | 6.52       |
| 36                | Injuries                                      | 96          | 160         | 179         | 193         | 197         | 207          | 227          | 234          | 248          | 229          | 1970         | 7.26       |
| <b>Total</b>      |   | <b>1181</b> | <b>1504</b> | <b>1709</b> | <b>2003</b> | <b>2440</b> | <b>2817</b>  | <b>3552</b>  | <b>3826</b>  | <b>4023</b>  | <b>4072</b>  | <b>27127</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>4.35</b> | <b>5.54</b> | <b>6.30</b> | <b>7.38</b> | <b>8.99</b> | <b>10.38</b> | <b>13.09</b> | <b>14.10</b> | <b>14.83</b> | <b>15.01</b> | <b>100</b>   |            |

## Hospital morbidity report for Gelephu Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 - 49      |              | 50 +        |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|-------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M            | F            | M            | F            | M           | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 12          | 17          | 77          | 118         | 200          | 224          | 310          | 202          | 62          | 58          | 1280         | 3.68       |
| 2                 | Viral and other intestinal infections         | 59          | 58          | 221         | 300         | 443          | 418          | 434          | 271          | 149         | 125         | 2478         | 7.13       |
| 3                 | Tuberculosis                                  |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 4                 | Children's diseases                           |             |             | 3           | 2           | 7            | 3            | 4            | 2            |             |             | 21           | 0.06       |
| 5                 | Tonsillitis                                   | 6           | 5           | 61          | 56          | 122          | 150          | 206          | 177          | 73          | 62          | 918          | 2.64       |
| 6                 | Scabies                                       |             |             | 37          | 46          | 74           | 36           | 76           | 37           | 7           | 12          | 325          | 0.93       |
| 7                 | Hepatitis                                     |             |             |             |             | 10           | 20           | 30           | 40           | 7           | 10          | 117          | 0.34       |
| 8                 | Malaria                                       |             |             | 18          | 10          | 53           | 45           | 206          | 122          | 35          | 15          | 504          | 1.45       |
| 9                 | Gonorrhoea                                    |             |             |             |             |              |              | 10           | 5            |             |             | 15           | 0.04       |
| 10                | Intestinal worms                              | 1           | 30          | 107         | 174         | 224          | 185          | 250          | 153          | 112         | 84          | 1320         | 3.80       |
| 11                | Other infections                              |             |             | 1           |             | 1            | 1            | 6            | 5            |             |             | 14           | 0.04       |
| 12                | Neoplasms                                     |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases |             |             | 1           |             |              |              | 10           | 2            | 2           |             | 15           | 0.04       |
| 14                | Anaemia                                       |             |             |             |             |              | 7            | 54           | 90           | 7           | 11          | 169          | 0.49       |
| 15                | Mental disorder                               |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 16                | Diseases of the eye                           | 3           | 26          | 54          | 95          | 219          | 303          | 531          | 411          | 170         | 114         | 1926         | 5.54       |
| 17                | Diseases of the ear                           | 11          | 2           | 56          | 82          | 216          | 275          | 381          | 250          | 126         | 60          | 1459         | 4.20       |
| 18                | Diseases of the nervous system                |             |             |             |             | 1            |              | 1            |              |             |             | 2            | 0.01       |
| 19                | Diseases of the circulatory system            |             |             |             |             |              | 3            | 69           | 57           | 36          | 28          | 193          | 0.56       |
| 20                | ARI   | 33          | 69          | 261         | 391         | 633          | 1004         | 1248         | 964          | 463         | 333         | 5399         | 15.53      |
| 21                | Other diseases of the respiratory system      |             | 40          | 125         | 180         | 289          | 315          | 297          | 302          | 280         | 271         | 2099         | 6.04       |
| 22                | Diseases of the teeth and gum                 | 1           | 1           | 14          | 12          | 133          | 158          | 333          | 274          | 81          | 61          | 1068         | 3.07       |
| 23                | Peptic ulcer and gastritis                    | 1           | 1           | 7           | 13          | 97           | 224          | 891          | 896          | 398         | 335         | 2863         | 8.23       |
| 24                | Other diseases of the digestive system        |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 25                | Diseases of the urinary system                |             |             |             | 2           | 9            | 10           | 97           | 164          | 13          | 15          | 310          | 0.89       |
| 26                | Diseases of male genital organs               |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 27                | Diseases of breast                            |             |             |             |             |              |              |              | 18           |             |             | 18           | 0.05       |
| 28                | Diseases of female genital organs             |             |             |             |             |              |              |              | 49           |             |             | 49           | 0.14       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 30                | Diseases of the skin                          | 6           | 24          | 140         | 329         | 521          | 731          | 1375         | 1042         | 418         | 287         | 4873         | 14.01      |
| 31                | Diseases of the musculo-skeletal system       |             |             | 5           |             | 1            | 20           | 177          | 99           | 31          | 5           | 338          | 0.97       |
| 32                | Acute abdomen                                 |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 33                | Fever of unknown origin                       | 5           | 5           | 7           | 5           | 18           | 55           | 181          | 118          | 8           | 5           | 407          | 1.17       |
| 34                | Headache                                      |             |             | 1           | 27          | 197          | 310          | 595          | 503          | 354         | 332         | 2319         | 6.67       |
| 35                | Other symptoms and signs                      | 4           | 50          | 322         | 388         | 504          | 602          | 751          | 743          | 430         | 361         | 4155         | 11.95      |
| 36                | Injuries                                      |             |             | 5           | 4           | 13           | 9            | 51           | 29           | 3           | 2           | 116          | 0.33       |
| <b>Total</b>      |   | <b>142</b>  | <b>328</b>  | <b>1523</b> | <b>2234</b> | <b>3985</b>  | <b>5108</b>  | <b>8574</b>  | <b>7025</b>  | <b>3265</b> | <b>2586</b> | <b>34770</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>0.41</b> | <b>0.94</b> | <b>4.38</b> | <b>6.43</b> | <b>11.46</b> | <b>14.69</b> | <b>24.66</b> | <b>20.20</b> | <b>9.39</b> | <b>7.44</b> | <b>100</b>   |            |

### Hospital morbidity report for Sarpang Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 - 49      |              | 50 +        |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|-------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M            | F            | M            | F            | M           | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 20          | 15          | 37          | 45          | 54           | 73           | 196          | 201          | 37          | 42          | 720          | 4.00       |
| 2                 | Viral and other intestinal infections         | 26          | 40          | 79          | 71          | 81           | 88           | 163          | 68           | 18          | 11          | 645          | 3.59       |
| 3                 | Tuberculosis                                  |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 4                 | Children's diseases                           |             |             | 1           |             | 4            | 1            | 6            | 3            |             |             | 15           | 0.08       |
| 5                 | Tonsillitis                                   |             |             |             | 1           | 34           | 35           | 89           | 83           | 15          | 14          | 271          | 1.51       |
| 6                 | Scabies                                       |             |             | 1           | 1           | 5            | 3            | 15           | 3            | 1           |             | 29           | 0.16       |
| 7                 | Hepatitis                                     |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 8                 | Malaria                                       | 9           | 7           | 27          | 25          | 104          | 61           | 166          | 95           | 20          | 8           | 522          | 2.90       |
| 9                 | Gonorrhoea                                    |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 10                | Intestinal worms                              | 1           |             | 50          | 36          | 46           | 28           | 42           | 37           | 6           | 7           | 253          | 1.41       |
| 11                | Other infections                              |             |             |             |             |              |              | 2            | 7            |             |             | 9            | 0.05       |
| 12                | Neoplasms                                     |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases |             |             | 1           |             | 3            | 5            | 12           | 12           | 5           | 5           | 43           | 0.24       |
| 14                | Anaemia                                       |             |             | 1           |             | 5            | 3            | 7            | 14           | 3           | 3           | 36           | 0.20       |
| 15                | Mental disorder                               |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 16                | Diseases of the eye                           | 15          | 20          | 36          | 37          | 70           | 61           | 113          | 114          | 46          | 30          | 542          | 3.01       |
| 17                | Diseases of the ear                           | 26          | 20          | 65          | 51          | 116          | 130          | 115          | 80           | 18          | 14          | 635          | 3.53       |
| 18                | Diseases of the nervous system                | 2           | 5           | 8           | 27          | 19           | 52           | 147          | 118          | 24          | 20          | 422          | 2.35       |
| 19                | Diseases of the circulatory system            |             |             |             |             | 1            | 2            | 39           | 40           | 21          | 29          | 132          | 0.73       |
| 20                | ARI   | 223         | 224         | 480         | 410         | 631          | 749          | 902          | 977          | 151         | 107         | 4854         | 26.99      |
| 21                | Other diseases of the respiratory system      | 20          | 26          | 23          | 30          | 23           | 14           | 10           | 7            | 14          | 14          | 181          | 1.01       |
| 22                | Diseases of the teeth and gum                 |             |             | 21          | 22          | 64           | 58           | 120          | 116          | 55          | 23          | 479          | 2.66       |
| 23                | Peptic ulcer and gastritis                    |             |             |             |             | 35           | 37           | 207          | 268          | 99          | 77          | 723          | 4.02       |
| 24                | Other diseases of the digestive system        |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 25                | Diseases of the urinary system                |             |             |             | 2           | 13           | 19           | 89           | 260          | 11          | 35          | 429          | 2.39       |
| 26                | Diseases of male genital organs               |             |             |             |             |              |              | 8            |              |             |             | 8            | 0.04       |
| 27                | Diseases of breast                            |             |             |             |             |              |              |              | 23           |             |             | 23           | 0.13       |
| 28                | Diseases of female genital organs             |             |             |             |             |              |              |              | 65           |             |             | 65           | 0.36       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |              |              |              | 49           |             |             | 49           | 0.27       |
| 30                | Diseases of the skin                          | 69          | 56          | 212         | 180         | 243          | 328          | 508          | 515          | 86          | 76          | 2273         | 12.64      |
| 31                | Diseases of the musculo-skeletal system       |             |             |             |             | 6            | 5            | 59           | 31           | 14          | 17          | 132          | 0.73       |
| 32                | Acute abdomen                                 |             |             | 1           | 13          | 68           | 86           | 89           | 82           | 15          | 11          | 365          | 2.03       |
| 33                | Fever of unknown origin                       | 23          | 24          | 114         | 76          | 150          | 144          | 528          | 521          | 92          | 83          | 1755         | 9.76       |
| 34                | Headache                                      |             |             |             | 5           | 189          | 204          | 646          | 616          | 102         | 81          | 1843         | 10.25      |
| 35                | Other symptoms and signs                      |             |             |             |             |              | 2            | 16           | 12           | 6           | 3           | 39           | 0.22       |
| 36                | Injuries                                      | 1           | 1           | 20          | 14          | 96           | 61           | 180          | 76           | 25          | 17          | 491          | 2.73       |
| <b>Total</b>      |   | <b>435</b>  | <b>438</b>  | <b>1177</b> | <b>1046</b> | <b>2060</b>  | <b>2249</b>  | <b>4474</b>  | <b>4493</b>  | <b>884</b>  | <b>727</b>  | <b>17983</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>2.42</b> | <b>2.44</b> | <b>6.55</b> | <b>5.82</b> | <b>11.46</b> | <b>12.51</b> | <b>24.88</b> | <b>24.98</b> | <b>4.92</b> | <b>4.04</b> | <b>100</b>   |            |

## Hospital morbidity report for Haa IMTRAT Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |             | 15 - 49      |              | 50 +         |              | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M           | F           | M            | F            | M            | F            |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 16          | 15          | 45          | 50          | 56          | 67          | 87           | 86           | 60           | 46           | 528          | 2.00       |
| 2                 | Viral and other intestinal infections         | 50          | 49          | 63          | 62          | 68          | 70          | 60           | 49           | 50           | 42           | 563          | 2.14       |
| 3                 | Tuberculosis                                  |             |             |             |             |             |             | 17           | 20           | 15           | 11           | 63           | 0.24       |
| 4                 | Children's diseases                           | 3           | 2           |             |             | 6           | 2           | 7            | 4            | 3            |              | 27           | 0.10       |
| 5                 | Tonsillitis                                   |             |             | 24          | 44          | 36          | 52          | 49           | 47           | 43           | 52           | 347          | 1.32       |
| 6                 | Scabies                                       | 6           | 6           | 30          | 33          | 58          | 52          | 65           | 59           | 45           | 34           | 388          | 1.47       |
| 7                 | Hepatitis                                     |             |             |             |             |             |             | 1            |              |              |              | 1            | 0.00       |
| 8                 | Malaria                                       |             |             |             |             |             |             | 6            |              | 2            |              | 8            | 0.03       |
| 9                 | Gonorrhoea                                    |             |             |             |             | 2           |             | 25           | 10           | 12           | 2            | 51           | 0.19       |
| 10                | Intestinal worms                              |             |             | 20          | 24          | 41          | 34          | 44           | 30           | 38           | 29           | 260          | 0.99       |
| 11                | Other infections                              | 2           | 1           | 36          | 37          | 53          | 53          | 45           | 44           | 56           | 56           | 383          | 1.45       |
| 12                | Neoplasms                                     |             |             |             |             |             |             |              |              |              |              | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases | 16          | 22          | 29          | 28          | 32          | 26          | 28           | 38           | 34           | 30           | 283          | 1.07       |
| 14                | Anaemia                                       |             |             | 10          | 12          | 51          | 66          | 63           | 101          | 52           | 53           | 408          | 1.55       |
| 15                | Mental disorder                               |             |             |             |             |             |             |              | 4            | 1            | 3            | 8            | 0.03       |
| 16                | Diseases of the eye                           |             |             | 82          | 71          | 74          | 57          | 77           | 82           | 88           | 84           | 615          | 2.34       |
| 17                | Diseases of the ear                           |             |             | 18          | 21          | 46          | 41          | 46           | 50           | 46           | 45           | 313          | 1.19       |
| 18                | Diseases of the nervous system                |             |             |             |             | 14          | 29          | 26           | 31           | 25           | 27           | 152          | 0.58       |
| 19                | Diseases of the circulatory system            |             |             |             |             | 3           |             | 297          | 317          | 318          | 328          | 1263         | 4.80       |
| 20                | ARI   | 228         | 261         | 263         | 240         | 278         | 344         | 385          | 333          | 271          | 271          | 2874         | 10.91      |
| 21                | Other diseases of the respiratory system      | 205         | 190         | 251         | 346         | 529         | 599         | 707          | 614          | 631          | 689          | 4761         | 18.08      |
| 22                | Diseases of the teeth and gum                 |             |             | 10          | 12          | 314         | 301         | 482          | 461          | 482          | 492          | 2554         | 9.70       |
| 23                | Peptic ulcer and gastritis                    |             |             | 5           | 9           | 86          | 100         | 188          | 258          | 244          | 239          | 1129         | 4.29       |
| 24                | Other diseases of the digestive system        |             |             |             |             | 137         | 154         | 290          | 323          | 292          | 321          | 1517         | 5.76       |
| 25                | Diseases of the urinary system                |             |             |             |             | 30          | 40          | 168          | 217          | 183          | 231          | 869          | 3.30       |
| 26                | Diseases of male genital organs               |             |             |             |             | 8           |             | 139          |              | 128          |              | 275          | 1.04       |
| 27                | Diseases of breast                            |             |             |             |             |             | 2           |              | 52           |              | 40           | 94           | 0.36       |
| 28                | Diseases of female genital organs             |             |             |             |             |             |             |              | 189          |              | 180          | 369          | 1.40       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |             |             |              | 109          |              |              | 109          | 0.41       |
| 30                | Diseases of the skin                          | 89          | 106         | 160         | 174         | 140         | 139         | 200          | 199          | 187          | 195          | 1589         | 6.03       |
| 31                | Diseases of the musculo-skeletal system       |             |             |             |             | 52          | 57          | 534          | 552          | 613          | 604          | 2412         | 9.16       |
| 32                | Acute abdomen                                 |             |             |             |             |             |             | 19           | 18           | 22           | 22           | 81           | 0.31       |
| 33                | Fever of unknown origin                       |             |             |             |             |             |             | 4            | 8            | 6            | 12           | 30           | 0.11       |
| 34                | Headache                                      |             |             |             |             | 43          | 41          | 91           | 91           | 113          | 122          | 501          | 1.90       |
| 35                | Other symptoms and signs                      | 2           | 2           | 3           | 11          | 26          | 30          | 110          | 132          | 112          | 105          | 533          | 2.02       |
| 36                | Injuries                                      |             |             | 1           | 10          | 134         | 137         | 199          | 181          | 175          | 141          | 978          | 3.71       |
| <b>Total</b>      |   | <b>617</b>  | <b>654</b>  | <b>1050</b> | <b>1184</b> | <b>2317</b> | <b>2493</b> | <b>4459</b>  | <b>4709</b>  | <b>4347</b>  | <b>4506</b>  | <b>26336</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>2.34</b> | <b>2.48</b> | <b>3.99</b> | <b>4.50</b> | <b>8.80</b> | <b>9.47</b> | <b>16.93</b> | <b>17.88</b> | <b>16.51</b> | <b>17.11</b> | <b>100</b>   |            |

## Hospital morbidity report for Lhuntse Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |              | 15 - 49      |              | 50 +         |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M           | F            | M            | F            | M            | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 18          | 20          | 48          | 45          | 63          | 63           | 135          | 85           | 31           | 11          | 519          | 4.40       |
| 2                 | Viral and other intestinal infections         | 27          | 20          | 54          | 26          | 55          | 39           | 53           | 24           | 9            | 2           | 309          | 2.62       |
| 3                 | Tuberculosis                                  |             |             |             |             |             |              |              |              |              |             | 0            | 0.00       |
| 4                 | Children's diseases                           |             | 1           | 2           | 5           | 28          | 18           | 8            | 2            |              |             | 64           | 0.54       |
| 5                 | Tonsillitis                                   |             |             | 1           | 1           | 17          | 19           | 47           | 34           | 1            | 6           | 126          | 1.07       |
| 6                 | Scabies                                       | 2           | 4           | 13          | 30          | 43          | 62           | 63           | 22           | 1            |             | 240          | 2.03       |
| 7                 | Hepatitis                                     | 1           |             | 2           | 3           | 2           | 7            | 10           | 16           | 2            | 1           | 44           | 0.37       |
| 8                 | Malaria                                       |             |             |             |             |             |              | 1            |              |              |             | 1            | 0.01       |
| 9                 | Gonorrhoea                                    |             |             |             |             |             |              | 11           | 5            |              |             | 16           | 0.14       |
| 10                | Intestinal worms                              | 1           | 1           | 17          | 20          | 29          | 25           | 59           | 34           | 7            |             | 193          | 1.64       |
| 11                | Other infections                              |             |             | 2           | 1           |             | 2            | 12           | 13           | 1            |             | 31           | 0.26       |
| 12                | Neoplasms                                     |             |             |             |             |             |              |              |              |              |             | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases |             |             | 1           |             | 1           | 1            | 4            | 5            | 7            |             | 19           | 0.16       |
| 14                | Anaemia                                       |             |             | 1           | 1           |             | 2            | 5            | 10           | 4            | 3           | 26           | 0.22       |
| 15                | Mental disorder                               |             |             |             |             |             |              | 3            | 1            | 1            | 1           | 6            | 0.05       |
| 16                | Diseases of the eye                           | 1           |             | 9           | 12          | 44          | 61           | 175          | 161          | 59           | 20          | 542          | 4.59       |
| 17                | Diseases of the ear                           | 11          | 11          | 21          | 15          | 27          | 28           | 42           | 37           | 8            | 1           | 201          | 1.70       |
| 18                | Diseases of the nervous system                |             |             | 2           | 6           | 4           | 7            | 40           | 26           | 2            |             | 87           | 0.74       |
| 19                | Diseases of the circulatory system            |             |             | 2           | 1           | 1           | 7            | 133          | 113          | 86           | 35          | 378          | 3.20       |
| 20                | ARI   | 191         | 174         | 196         | 182         | 245         | 217          | 400          | 285          | 129          | 72          | 2091         | 17.72      |
| 21                | Other diseases of the respiratory system      | 13          | 8           | 30          | 23          | 10          | 12           | 47           | 26           | 39           | 8           | 216          | 1.83       |
| 22                | Diseases of the teeth and gum                 |             |             | 3           | 8           | 36          | 39           | 139          | 91           | 41           | 37          | 394          | 3.34       |
| 23                | Peptic ulcer and gastritis                    |             |             |             |             | 191         | 270          | 562          | 618          | 283          | 142         | 2066         | 17.51      |
| 24                | Other diseases of the digestive system        | 3           | 2           | 11          | 9           | 9           | 17           | 46           | 35           | 5            | 1           | 138          | 1.17       |
| 25                | Diseases of the urinary system                |             |             | 2           |             | 4           | 2            | 26           | 36           | 2            | 1           | 73           | 0.62       |
| 26                | Diseases of male genital organs               |             |             |             |             | 3           |              | 5            |              | 1            |             | 9            | 0.08       |
| 27                | Diseases of breast                            |             |             |             |             |             |              |              | 5            |              |             | 5            | 0.04       |
| 28                | Diseases of female genital organs             |             |             |             |             |             | 1            |              | 20           |              |             | 21           | 0.18       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |             |              |              | 4            |              |             | 4            | 0.03       |
| 30                | Diseases of the skin                          | 95          | 90          | 96          | 97          | 136         | 186          | 297          | 261          | 139          | 64          | 1461         | 12.38      |
| 31                | Diseases of the musculo-skeletal system       |             |             |             |             | 4           | 10           | 206          | 240          | 156          | 74          | 690          | 5.85       |
| 32                | Acute abdomen                                 |             |             |             |             | 4           | 6            | 14           | 11           | 3            |             | 38           | 0.32       |
| 33                | Fever of unknown origin                       | 1           |             | 6           | 2           | 18          | 24           | 51           | 34           | 7            |             | 143          | 1.21       |
| 34                | Headache                                      |             |             |             |             | 102         | 138          | 269          | 397          | 183          | 110         | 1199         | 10.16      |
| 35                | Other symptoms and signs                      |             |             | 2           |             | 6           | 3            | 24           | 12           | 9            | 2           | 58           | 0.49       |
| 36                | Injuries                                      |             |             | 2           | 7           | 26          | 50           | 175          | 103          | 26           |             | 389          | 3.30       |
| <b>Total</b>      |   | <b>364</b>  | <b>331</b>  | <b>523</b>  | <b>494</b>  | <b>1108</b> | <b>1316</b>  | <b>3062</b>  | <b>2766</b>  | <b>1242</b>  | <b>591</b>  | <b>11797</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>3.09</b> | <b>2.81</b> | <b>4.43</b> | <b>4.19</b> | <b>9.39</b> | <b>11.16</b> | <b>25.96</b> | <b>23.45</b> | <b>10.53</b> | <b>5.01</b> | <b>100</b>   |            |

## Hospital morbidity report for Monggar Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |             | 15 - 49      |              | 50 +        |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M           | F           | M            | F            | M           | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 2           | 3           | 16          | 14          | 6           | 10          | 89           | 25           | 15          | 6           | 186          | 1.02       |
| 2                 | Viral and other intestinal infections         | 39          | 29          | 75          | 92          | 110         | 74          | 268          | 81           | 31          | 13          | 812          | 4.45       |
| 3                 | Tuberculosis                                  |             |             | 3           | 5           | 7           | 7           | 36           | 38           | 22          | 16          | 134          | 0.73       |
| 4                 | Children's diseases                           |             |             | 2           | 1           | 13          | 21          |              |              |             |             | 37           | 0.20       |
| 5                 | Tonsillitis                                   |             |             | 2           | 2           | 9           | 37          | 165          | 176          | 16          | 23          | 430          | 2.36       |
| 6                 | Scabies                                       | 3           | 3           | 2           | 7           | 7           | 9           | 40           | 23           | 8           | 3           | 105          | 0.58       |
| 7                 | Hepatitis                                     |             |             |             | 1           |             |             | 2            | 1            |             |             | 4            | 0.02       |
| 8                 | Malaria                                       |             |             |             |             | 1           |             | 1            | 1            | 1           |             | 4            | 0.02       |
| 9                 | Gonorrhoea                                    |             |             |             |             |             |             | 44           | 10           | 1           |             | 55           | 0.30       |
| 10                | Intestinal worms                              |             | 1           | 15          | 22          | 33          | 13          | 20           | 19           | 2           | 1           | 126          | 0.69       |
| 11                | Other infections                              |             | 2           | 1           | 3           |             | 4           | 2            |              |             |             | 12           | 0.07       |
| 12                | Neoplasms                                     |             |             |             |             |             |             |              |              |             |             | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases | 1           | 2           | 9           | 12          | 5           | 11          | 34           | 19           | 17          | 10          | 120          | 0.66       |
| 14                | Anaemia                                       | 2           | 1           | 4           | 6           | 10          | 21          | 103          | 148          | 32          | 20          | 347          | 1.90       |
| 15                | Mental disorder                               |             |             |             |             |             |             | 1            |              |             |             | 1            | 0.01       |
| 16                | Diseases of the eye                           | 11          | 12          | 27          | 18          | 66          | 52          | 288          | 217          | 70          | 51          | 812          | 4.45       |
| 17                | Diseases of the ear                           | 24          | 14          | 28          | 29          | 56          | 46          | 137          | 81           | 15          | 10          | 440          | 2.41       |
| 18                | Diseases of the nervous system                | 1           | 1           | 2           | 2           | 9           | 4           | 77           | 19           | 1           | 1           | 117          | 0.64       |
| 19                | Diseases of the circulatory system            | 1           |             | 4           | 3           | 18          | 18          | 175          | 232          | 172         | 138         | 761          | 4.17       |
| 20                | ARI   | 116         | 106         | 176         | 198         | 232         | 237         | 787          | 344          | 36          | 30          | 2262         | 12.40      |
| 21                | Other diseases of the respiratory system      | 12          | 10          | 16          | 33          | 23          | 26          | 94           | 100          | 52          | 65          | 431          | 2.36       |
| 22                | Diseases of the teeth and gum                 |             |             | 21          | 26          | 204         | 213         | 1094         | 975          | 181         | 155         | 2869         | 15.73      |
| 23                | Peptic ulcer and gastritis                    |             |             | 2           | 9           | 31          | 26          | 647          | 540          | 90          | 100         | 1445         | 7.92       |
| 24                | Other diseases of the digestive system        |             | 4           | 10          | 11          | 9           | 11          | 43           | 42           | 11          | 5           | 146          | 0.80       |
| 25                | Diseases of the urinary system                | 3           | 1           | 4           | 6           | 15          | 14          | 199          | 210          | 14          | 16          | 482          | 2.64       |
| 26                | Diseases of male genital organs               | 3           |             |             |             |             |             | 4            |              | 2           |             | 9            | 0.05       |
| 27                | Diseases of breast                            |             |             |             |             |             |             |              | 4            |             |             | 4            | 0.02       |
| 28                | Diseases of female genital organs             |             |             |             |             |             |             |              | 232          |             |             | 232          | 1.27       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |             |             |              | 40           |             |             | 40           | 0.22       |
| 30                | Diseases of the skin                          | 41          | 34          | 99          | 102         | 159         | 209         | 661          | 388          | 96          | 62          | 1851         | 10.15      |
| 31                | Diseases of the musculo-skeletal system       |             |             |             | 1           | 20          | 17          | 664          | 381          | 109         | 104         | 1296         | 7.11       |
| 32                | Acute abdomen                                 |             |             |             |             | 1           |             | 1            | 1            |             |             | 3            | 0.02       |
| 33                | Fever of unknown origin                       |             |             | 1           | 4           | 4           | 4           | 11           | 5            | 1           | 3           | 33           | 0.18       |
| 34                | Headache                                      |             |             | 1           | 1           | 34          | 49          | 367          | 321          | 54          | 41          | 868          | 4.76       |
| 35                | Other symptoms and signs                      |             |             | 6           | 9           | 38          | 22          | 269          | 171          | 60          | 34          | 609          | 3.34       |
| 36                | Injuries                                      | 2           | 1           | 24          | 15          | 94          | 61          | 597          | 235          | 85          | 41          | 1155         | 6.33       |
| <b>Total</b>      |   | <b>261</b>  | <b>224</b>  | <b>550</b>  | <b>632</b>  | <b>1214</b> | <b>1216</b> | <b>6920</b>  | <b>5079</b>  | <b>1194</b> | <b>948</b>  | <b>18238</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>1.43</b> | <b>1.23</b> | <b>3.02</b> | <b>3.47</b> | <b>6.66</b> | <b>6.67</b> | <b>37.94</b> | <b>27.85</b> | <b>6.55</b> | <b>5.20</b> | <b>100</b>   |            |

## Hospital morbidity report for Paro Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |             | 15 - 49      |              | 50 +        |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|--------------|-------------|--------------|--------------|-------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M            | F           | M            | F            | M           | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 13          | 13          | 33          | 30          | 28           | 24          | 101          | 90           | 41          | 34          | 407          | 1.91       |
| 2                 | Viral and other intestinal infections         | 66          | 53          | 212         | 149         | 180          | 185         | 260          | 261          | 76          | 63          | 1505         | 7.07       |
| 3                 | Tuberculosis                                  |             |             |             |             |              |             |              |              |             |             | 0            | 0.00       |
| 4                 | Children's diseases                           |             |             | 7           | 6           | 17           | 13          | 3            | 7            | 1           |             | 54           | 0.25       |
| 5                 | Tonsillitis                                   |             |             | 9           | 14          | 34           | 41          | 36           | 52           | 11          | 6           | 203          | 0.95       |
| 6                 | Scabies                                       |             |             | 9           | 9           | 9            | 11          | 27           | 21           | 4           | 6           | 96           | 0.45       |
| 7                 | Hepatitis                                     |             |             |             |             |              |             |              |              |             |             | 0            | 0.00       |
| 8                 | Malaria                                       |             |             |             |             |              |             | 1            |              |             |             | 1            | 0.00       |
| 9                 | Gonorrhoea                                    |             |             |             |             |              |             | 15           | 1            | 1           |             | 17           | 0.08       |
| 10                | Intestinal worms                              |             |             | 49          | 52          | 75           | 72          | 58           | 71           | 34          | 32          | 443          | 2.08       |
| 11                | Other infections                              |             |             |             |             | 1            | 1           | 1            |              |             |             | 3            | 0.01       |
| 12                | Neoplasms                                     |             |             |             |             |              |             |              |              |             |             | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases |             |             |             |             | 2            | 2           | 2            | 4            | 1           | 4           | 15           | 0.07       |
| 14                | Anaemia                                       |             |             |             | 2           | 4            | 9           | 26           | 86           | 4           | 15          | 146          | 0.69       |
| 15                | Mental disorder                               |             |             |             |             |              |             |              |              |             |             | 0            | 0.00       |
| 16                | Diseases of the eye                           | 18          | 10          | 37          | 44          | 106          | 119         | 252          | 280          | 83          | 85          | 1034         | 4.86       |
| 17                | Diseases of the ear                           | 5           | 6           | 12          | 19          | 43           | 50          | 31           | 34           | 7           | 7           | 214          | 1.01       |
| 18                | Diseases of the nervous system                |             |             |             |             |              | 2           | 1            |              |             |             | 3            | 0.01       |
| 19                | Diseases of the circulatory system            | 1           | 1           | 2           | 1           | 1            | 1           | 32           | 33           | 18          | 22          | 112          | 0.53       |
| 20                | ARI   | 154         | 150         | 341         | 311         | 480          | 517         | 1279         | 1275         | 216         | 194         | 4917         | 23.11      |
| 21                | Other diseases of the respiratory system      | 9           | 8           | 8           | 5           |              |             | 3            | 1            | 4           | 3           | 41           | 0.19       |
| 22                | Diseases of the teeth and gum                 |             |             | 17          | 21          | 215          | 222         | 594          | 648          | 185         | 151         | 2053         | 9.65       |
| 23                | Peptic ulcer and gastritis                    |             |             | 23          | 25          | 130          | 124         | 848          | 1146         | 265         | 292         | 2853         | 13.41      |
| 24                | Other diseases of the digestive system        |             |             |             |             |              |             |              |              |             |             | 0            | 0.00       |
| 25                | Diseases of the urinary system                |             |             | 3           | 5           | 15           | 12          | 95           | 101          | 27          | 16          | 274          | 1.29       |
| 26                | Diseases of male genital organs               |             |             |             |             | 1            |             | 2            |              | 1           |             | 4            | 0.02       |
| 27                | Diseases of breast                            |             |             |             |             |              |             |              | 6            |             |             | 6            | 0.03       |
| 28                | Diseases of female genital organs             |             |             |             |             |              |             |              | 144          |             | 1           | 145          | 0.68       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |              |             |              |              |             |             | 0            | 0.00       |
| 30                | Diseases of the skin                          | 36          | 35          | 89          | 93          | 832          | 180         | 438          | 435          | 110         | 90          | 2338         | 10.99      |
| 31                | Diseases of the musculo-skeletal system       |             |             | 1           |             | 41           | 37          | 434          | 343          | 160         | 152         | 1168         | 5.49       |
| 32                | Acute abdomen                                 |             |             |             |             | 3            | 2           | 5            | 4            | 2           | 3           | 19           | 0.09       |
| 33                | Fever of unknown origin                       |             |             |             |             |              |             |              |              |             |             | 0            | 0.00       |
| 34                | Headache                                      |             |             | 7           | 8           | 37           | 39          | 360          | 372          | 150         | 131         | 1104         | 5.19       |
| 35                | Other symptoms and signs                      | 23          | 32          | 50          | 60          | 146          | 157         | 324          | 392          | 139         | 143         | 1466         | 6.89       |
| 36                | Injuries                                      |             |             | 28          | 26          | 72           | 48          | 218          | 150          | 58          | 33          | 633          | 2.98       |
| <b>Total</b>      |   | <b>325</b>  | <b>308</b>  | <b>937</b>  | <b>880</b>  | <b>2472</b>  | <b>1868</b> | <b>5446</b>  | <b>5957</b>  | <b>1598</b> | <b>1483</b> | <b>21274</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>1.53</b> | <b>1.45</b> | <b>4.40</b> | <b>4.14</b> | <b>11.62</b> | <b>8.78</b> | <b>25.60</b> | <b>28.00</b> | <b>7.51</b> | <b>6.97</b> | <b>100</b>   |            |

### Hospital morbidity report for MI Room (Paro) - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |              | 15 - 49      |              | 50 +         |              | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M           | F            | M            | F            | M            | F            |              |            |
| 1                 | Bacterial and amoebic intestinal infections   |             | 38          | 54          | 63          | 96          | 100          | 108          | 113          | 92           | 89           | 753          | 4.82       |
| 2                 | Viral and other intestinal infections         | 9           | 37          | 48          | 56          | 76          | 86           | 98           | 108          | 71           | 70           | 659          | 4.21       |
| 3                 | Tuberculosis                                  |             |             |             |             |             |              | 4            | 2            |              |              | 6            | 0.04       |
| 4                 | Children's diseases                           |             |             | 31          | 38          | 41          | 48           | 14           | 11           | 3            | 2            | 188          | 1.20       |
| 5                 | Tonsillitis                                   |             |             | 10          | 14          | 78          | 88           | 115          | 101          | 74           | 76           | 556          | 3.56       |
| 6                 | Scabies                                       | 5           | 25          | 48          | 60          | 69          | 72           | 82           | 90           | 73           | 72           | 596          | 3.81       |
| 7                 | Hepatitis                                     |             |             |             |             |             |              |              |              |              |              | 0            | 0.00       |
| 8                 | Malaria                                       |             |             |             |             |             |              |              |              |              |              | 0            | 0.00       |
| 9                 | Gonorrhoea                                    |             |             |             |             |             |              | 23           | 5            |              |              | 28           | 0.18       |
| 10                | Intestinal worms                              |             |             |             |             | 39          | 48           | 117          | 129          | 88           | 92           | 513          | 3.28       |
| 11                | Other infections                              |             |             | 1           | 2           | 21          | 31           | 44           | 50           | 34           | 32           | 215          | 1.38       |
| 12                | Neoplasms                                     |             |             |             |             |             |              |              |              |              |              | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases |             |             | 48          | 56          | 78          | 82           | 55           | 53           | 61           | 62           | 495          | 3.17       |
| 14                | Anaemia                                       |             | 4           | 17          | 21          | 29          | 31           | 37           | 44           | 41           | 41           | 265          | 1.69       |
| 15                | Mental disorder                               |             |             |             |             |             |              |              |              |              |              | 0            | 0.00       |
| 16                | Diseases of the eye                           |             |             | 42          | 54          | 66          | 83           | 106          | 115          | 72           | 70           | 608          | 3.89       |
| 17                | Diseases of the ear                           |             |             |             |             | 44          | 50           | 75           | 82           | 75           | 77           | 403          | 2.58       |
| 18                | Diseases of the nervous system                |             |             | 2           | 2           | 4           | 6            | 8            | 7            | 2            | 3            | 34           | 0.22       |
| 19                | Diseases of the circulatory system            |             |             |             |             | 45          | 57           | 126          | 137          | 167          | 178          | 710          | 4.54       |
| 20                | ARI   | 171         | 181         | 199         | 226         | 232         | 248          | 242          | 238          | 203          | 203          | 2143         | 13.71      |
| 21                | Other diseases of the respiratory system      | 80          | 82          | 158         | 183         | 161         | 169          | 189          | 195          | 245          | 228          | 1690         | 10.81      |
| 22                | Diseases of the teeth and gum                 | 4           | 4           | 7           | 7           | 48          | 63           | 76           | 83           | 114          | 117          | 523          | 3.34       |
| 23                | Peptic ulcer and gastritis                    |             |             |             |             | 62          | 68           | 175          | 196          | 221          | 221          | 943          | 6.03       |
| 24                | Other diseases of the digestive system        |             |             |             |             | 63          | 72           | 121          | 144          | 161          | 164          | 725          | 4.64       |
| 25                | Diseases of the urinary system                |             |             |             |             | 33          | 37           | 101          | 124          | 86           | 98           | 479          | 3.06       |
| 26                | Diseases of male genital organs               |             |             |             |             | 1           |              | 18           |              | 9            |              | 28           | 0.18       |
| 27                | Diseases of breast                            |             |             |             |             |             |              |              | 1            |              |              | 1            | 0.01       |
| 28                | Diseases of female genital organs             |             |             |             |             |             | 6            |              | 45           |              | 16           | 67           | 0.43       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |             |              |              |              |              |              | 0            | 0.00       |
| 30                | Diseases of the skin                          |             |             | 1           | 3           | 52          | 62           | 89           | 86           | 102          | 114          | 509          | 3.26       |
| 31                | Diseases of the musculo-skeletal system       |             |             |             |             | 14          | 26           | 232          | 232          | 267          | 268          | 1039         | 6.64       |
| 32                | Acute abdomen                                 |             |             |             |             |             |              |              |              |              |              | 0            | 0.00       |
| 33                | Fever of unknown origin                       |             |             |             |             |             |              |              |              |              |              | 0            | 0.00       |
| 34                | Headache                                      |             |             |             |             | 52          | 70           | 112          | 122          | 123          | 127          | 606          | 3.88       |
| 35                | Other symptoms and signs                      |             |             |             |             | 14          | 17           | 26           | 30           | 33           | 33           | 153          | 0.98       |
| 36                | Injuries                                      |             | 1           | 37          | 39          | 93          | 100          | 125          | 123          | 96           | 87           | 701          | 4.48       |
| <b>Total</b>      |   | <b>269</b>  | <b>372</b>  | <b>703</b>  | <b>824</b>  | <b>1511</b> | <b>1720</b>  | <b>2518</b>  | <b>2666</b>  | <b>2513</b>  | <b>2540</b>  | <b>15636</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>1.72</b> | <b>2.38</b> | <b>4.50</b> | <b>5.27</b> | <b>9.66</b> | <b>11.00</b> | <b>16.10</b> | <b>17.05</b> | <b>16.07</b> | <b>16.24</b> | <b>100</b>   |            |

### Hospital morbidity report for Pemagatshel Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |              | 15 - 49      |              | 50 +        |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M           | F            | M            | F            | M           | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 13          | 8           | 38          | 25          | 26          | 49           | 114          | 74           | 19          | 19          | 385          | 3.39       |
| 2                 | Viral and other intestinal infections         | 27          | 27          | 118         | 62          | 172         | 153          | 187          | 129          | 16          | 21          | 912          | 8.03       |
| 3                 | Tuberculosis                                  |             |             |             |             |             |              |              |              |             |             | 0            | 0.00       |
| 4                 | Children's diseases                           |             | 2           | 7           | 4           | 30          | 39           | 4            | 1            |             |             | 87           | 0.77       |
| 5                 | Tonsillitis                                   |             |             |             |             | 4           | 7            | 24           | 19           |             | 1           | 55           | 0.48       |
| 6                 | Scabies                                       |             |             |             | 1           |             | 2            | 27           | 3            | 2           |             | 35           | 0.31       |
| 7                 | Hepatitis                                     |             |             |             | 1           |             | 1            | 3            | 4            |             | 1           | 10           | 0.09       |
| 8                 | Malaria                                       |             |             |             | 1           |             |              | 11           | 2            |             |             | 14           | 0.12       |
| 9                 | Gonorrhoea                                    |             |             |             |             | 5           | 4            | 12           | 12           |             |             | 33           | 0.29       |
| 10                | Intestinal worms                              |             |             | 19          | 3           | 34          | 30           | 22           | 22           | 2           | 2           | 134          | 1.18       |
| 11                | Other infections                              | 4           | 2           | 17          | 12          | 48          | 50           | 42           | 44           | 1           | 6           | 226          | 1.99       |
| 12                | Neoplasms                                     |             |             |             |             |             |              |              |              |             | 0           | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases | 1           |             | 1           |             | 6           | 6            | 50           | 47           | 8           | 8           | 127          | 1.12       |
| 14                | Anaemia                                       |             |             |             |             | 1           | 3            | 15           | 55           | 6           | 19          | 99           | 0.87       |
| 15                | Mental disorder                               |             |             |             |             |             |              |              |              |             |             | 0            | 0.00       |
| 16                | Diseases of the eye                           | 5           | 3           | 9           | 3           | 13          | 18           | 37           | 48           | 5           | 23          | 164          | 1.44       |
| 17                | Diseases of the ear                           | 17          | 12          | 78          | 33          | 88          | 83           | 116          | 108          | 14          | 8           | 557          | 4.90       |
| 18                | Diseases of the nervous system                | 1           |             |             | 1           | 7           | 4            | 17           | 18           | 1           | 1           | 50           | 0.44       |
| 19                | Diseases of the circulatory system            |             |             |             |             |             |              | 43           | 71           | 36          | 30          | 180          | 1.58       |
| 20                | ARI   | 88          | 66          | 123         | 73          | 133         | 199          | 462          | 433          | 49          | 45          | 1671         | 14.71      |
| 21                | Other diseases of the respiratory system      | 89          | 59          | 117         | 67          | 87          | 127          | 369          | 259          | 63          | 76          | 1313         | 11.56      |
| 22                | Diseases of the teeth and gum                 | 1           | 2           | 5           |             | 7           | 14           | 32           | 53           | 20          | 12          | 146          | 1.29       |
| 23                | Peptic ulcer and gastritis                    |             |             | 1           | 1           | 14          | 17           | 284          | 389          | 39          | 51          | 796          | 7.01       |
| 24                | Other diseases of the digestive system        | 1           | 1           | 6           | 2           | 5           | 12           | 47           | 55           | 43          | 12          | 184          | 1.62       |
| 25                | Diseases of the urinary system                | 3           | 1           | 9           | 14          | 17          | 22           | 120          | 299          | 26          | 40          | 551          | 4.85       |
| 26                | Diseases of male genital organs               | 1           |             | 3           |             | 6           |              | 25           |              | 4           |             | 39           | 0.34       |
| 27                | Diseases of breast                            |             |             |             |             |             |              |              | 15           |             |             | 15           | 0.13       |
| 28                | Diseases of female genital organs             |             |             |             |             |             |              |              | 45           |             |             | 45           | 0.40       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |             |              |              | 11           |             |             | 11           | 0.10       |
| 30                | Diseases of the skin                          | 55          | 36          | 106         | 72          | 186         | 217          | 634          | 429          | 63          | 57          | 1855         | 16.33      |
| 31                | Diseases of the musculo-skeletal system       | 1           |             | 2           | 1           | 23          | 30           | 273          | 203          | 60          | 55          | 648          | 5.70       |
| 32                | Acute abdomen                                 |             |             |             | 1           | 1           | 4            | 1            | 2            |             | 2           | 11           | 0.10       |
| 33                | Fever of unknown origin                       |             |             | 2           | 3           |             |              | 8            | 14           | 1           | 1           | 29           | 0.26       |
| 34                | Headache                                      |             |             | 1           | 3           | 31          | 48           | 115          | 130          | 10          | 9           | 347          | 3.05       |
| 35                | Other symptoms and signs                      |             | 1           | 2           | 1           | 26          | 25           | 86           | 81           | 8           | 14          | 244          | 2.15       |
| 36                | Injuries                                      | 1           | 2           | 10          | 11          | 33          | 28           | 204          | 62           | 27          | 9           | 387          | 3.41       |
| <b>Total</b>      |   | <b>308</b>  | <b>222</b>  | <b>674</b>  | <b>395</b>  | <b>1003</b> | <b>1192</b>  | <b>3384</b>  | <b>3137</b>  | <b>523</b>  | <b>522</b>  | <b>11360</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>2.71</b> | <b>1.95</b> | <b>5.93</b> | <b>3.48</b> | <b>8.83</b> | <b>10.49</b> | <b>29.79</b> | <b>27.61</b> | <b>4.60</b> | <b>4.60</b> | <b>100</b>   |            |

# Hospital morbidity report for Punakha Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |             | 15 - 49      |              | 50 +        |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M           | F           | M            | F            | M           | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 61          | 57          | 130         | 121         | 136         | 118         | 397          | 284          | 76          | 66          | 1446         | 4.78       |
| 2                 | Viral and other intestinal infections         | 106         | 113         | 262         | 223         | 282         | 318         | 521          | 419          | 111         | 91          | 2446         | 8.08       |
| 3                 | Tuberculosis                                  |             |             |             |             |             |             | 2            | 1            | 2           | 1           | 6            | 0.02       |
| 4                 | Children's diseases                           | 1           | 2           | 19          | 16          | 88          | 102         | 18           | 29           |             | 2           | 277          | 0.92       |
| 5                 | Tonsillitis                                   |             |             | 5           | 2           | 15          | 28          | 60           | 65           | 7           | 5           | 187          | 0.62       |
| 6                 | Scabies                                       | 2           | 2           | 7           | 7           | 28          | 24          | 37           | 17           | 9           | 2           | 135          | 0.45       |
| 7                 | Hepatitis                                     | 4           | 2           | 9           | 5           | 13          | 5           | 16           | 8            |             |             | 62           | 0.20       |
| 8                 | Malaria                                       |             |             |             |             |             |             | 5            | 2            |             | 2           | 9            | 0.03       |
| 9                 | Gonorrhoea                                    |             |             |             |             |             | 1           | 34           | 15           | 3           |             | 53           | 0.18       |
| 10                | Intestinal worms                              |             | 1           | 25          | 25          | 43          | 53          | 60           | 48           | 9           | 10          | 274          | 0.91       |
| 11                | Other infections                              |             |             | 1           | 2           | 13          | 10          | 22           | 14           | 2           | 1           | 65           | 0.21       |
| 12                | Neoplasms                                     |             |             |             |             |             |             | 1            | 1            |             |             | 2            | 0.01       |
| 13                | Endocrine, metabolic and nutritional diseases | 2           |             | 16          | 14          | 14          | 9           | 33           | 41           | 8           | 6           | 143          | 0.47       |
| 14                | Anaemia                                       |             |             | 4           | 3           | 10          | 12          | 35           | 126          | 13          | 20          | 223          | 0.74       |
| 15                | Mental disorder                               |             |             |             |             |             |             | 14           | 14           | 2           | 1           | 31           | 0.10       |
| 16                | Diseases of the eye                           | 22          | 28          | 44          | 53          | 104         | 136         | 468          | 480          | 139         | 126         | 1600         | 5.29       |
| 17                | Diseases of the ear                           | 30          | 36          | 52          | 55          | 90          | 86          | 160          | 133          | 19          | 9           | 670          | 2.21       |
| 18                | Diseases of the nervous system                |             |             | 6           | 7           | 27          | 19          | 116          | 95           | 33          | 32          | 335          | 1.11       |
| 19                | Diseases of the circulatory system            | 1           | 1           | 5           | 3           | 2           | 2           | 110          | 111          | 91          | 79          | 405          | 1.34       |
| 20                | ARI   | 150         | 184         | 370         | 349         | 478         | 517         | 1556         | 1329         | 253         | 213         | 5399         | 17.84      |
| 21                | Other diseases of the respiratory system      | 157         | 165         | 229         | 276         | 319         | 379         | 677          | 667          | 183         | 158         | 3210         | 10.60      |
| 22                | Diseases of the teeth and gum                 |             | 2           | 18          | 18          | 129         | 126         | 456          | 416          | 117         | 73          | 1355         | 4.48       |
| 23                | Peptic ulcer and gastritis                    |             |             | 3           | 8           | 72          | 99          | 931          | 1019         | 240         | 240         | 2612         | 8.63       |
| 24                | Other diseases of the digestive system        | 1           | 7           | 5           | 10          | 26          | 42          | 151          | 107          | 64          | 25          | 438          | 1.45       |
| 25                | Diseases of the urinary system                | 2           | 1           | 10          | 7           | 15          | 18          | 140          | 286          | 27          | 29          | 535          | 1.77       |
| 26                | Diseases of male genital organs               |             |             |             |             | 2           |             | 15           |              | 3           |             | 20           | 0.07       |
| 27                | Diseases of breast                            |             |             |             |             |             |             |              | 20           |             |             | 20           | 0.07       |
| 28                | Diseases of female genital organs             |             |             |             |             |             |             |              | 206          |             | 3           | 209          | 0.69       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |             |             |              | 101          |             |             | 101          | 0.33       |
| 30                | Diseases of the skin                          | 85          | 104         | 235         | 199         | 495         | 402         | 1120         | 897          | 214         | 134         | 3885         | 12.83      |
| 31                | Diseases of the musculo-skeletal system       |             |             | 4           | 6           | 54          | 34          | 579          | 444          | 178         | 113         | 1412         | 4.66       |
| 32                | Acute abdomen                                 |             |             | 1           | 2           | 5           | 6           | 21           | 19           | 5           | 1           | 60           | 0.20       |
| 33                | Fever of unknown origin                       | 2           |             | 2           | 2           | 5           | 6           | 33           | 18           | 3           | 4           | 75           | 0.25       |
| 34                | Headache                                      |             | 1           | 6           | 8           | 90          | 101         | 280          | 374          | 92          | 81          | 1033         | 3.41       |
| 35                | Other symptoms and signs                      | 1           |             | 1           | 3           | 11          | 13          | 58           | 43           | 18          | 13          | 161          | 0.53       |
| 36                | Injuries                                      | 3           | 4           | 41          | 36          | 162         | 84          | 589          | 279          | 123         | 55          | 1376         | 4.55       |
| <b>Total</b>      |   | <b>630</b>  | <b>710</b>  | <b>1510</b> | <b>1460</b> | <b>2728</b> | <b>2750</b> | <b>8715</b>  | <b>8128</b>  | <b>2044</b> | <b>1595</b> | <b>30270</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>2.08</b> | <b>2.35</b> | <b>4.99</b> | <b>4.82</b> | <b>9.01</b> | <b>9.08</b> | <b>28.79</b> | <b>26.85</b> | <b>6.75</b> | <b>5.27</b> | <b>100</b>   |            |

### Hospital morbidity report for Samtse Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |             | 15 - 49      |              | 50 +        |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|--------------|-------------|--------------|--------------|-------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M            | F           | M            | F            | M           | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 14          | 14          | 31          | 26          | 46           | 49          | 145          | 227          | 38          | 25          | 615          | 3.49       |
| 2                 | Viral and other intestinal infections         | 93          | 91          | 158         | 148         | 171          | 155         | 193          | 167          | 65          | 28          | 1269         | 7.19       |
| 3                 | Tuberculosis                                  |             |             |             |             |              |             |              |              |             |             | 0            | 0.00       |
| 4                 | Children's diseases                           |             |             | 6           | 8           | 20           | 16          | 14           | 9            | 3           |             | 76           | 0.43       |
| 5                 | Tonsillitis                                   |             |             | 3           | 7           | 27           | 59          | 78           | 82           | 4           | 3           | 263          | 1.49       |
| 6                 | Scabies                                       |             |             |             | 2           | 5            | 4           | 16           | 10           | 2           | 2           | 41           | 0.23       |
| 7                 | Hepatitis                                     | 1           |             | 1           | 2           | 3            | 2           | 11           | 2            |             |             | 22           | 0.12       |
| 8                 | Malaria                                       |             |             | 2           | 1           | 7            | 5           | 11           | 8            | 1           | 4           | 39           | 0.22       |
| 9                 | Gonorrhoea                                    |             |             |             |             |              | 3           |              |              |             |             | 3            | 0.02       |
| 10                | Intestinal worms                              | 2           | 1           | 28          | 32          | 60           | 48          | 49           | 34           | 4           | 7           | 265          | 1.50       |
| 11                | Other infections                              |             |             |             | 2           | 3            | 2           | 8            | 2            |             | 1           | 18           | 0.10       |
| 12                | Neoplasms                                     |             |             |             |             |              |             |              |              |             |             | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases | 4           | 3           | 8           | 8           | 13           | 10          | 50           | 38           | 14          | 5           | 153          | 0.87       |
| 14                | Anaemia                                       | 1           |             |             |             | 3            | 7           | 32           | 308          | 3           | 4           | 358          | 2.03       |
| 15                | Mental disorder                               |             |             |             |             |              |             | 2            |              |             |             | 2            | 0.01       |
| 16                | Diseases of the eye                           | 22          | 18          | 31          | 35          | 94           | 85          | 217          | 253          | 48          | 43          | 846          | 4.80       |
| 17                | Diseases of the ear                           | 21          | 11          | 48          | 40          | 74           | 76          | 129          | 108          | 15          | 9           | 531          | 3.01       |
| 18                | Diseases of the nervous system                |             |             |             |             | 7            | 6           | 25           | 25           | 12          |             | 75           | 0.43       |
| 19                | Diseases of the circulatory system            |             |             | 2           | 3           | 2            | 12          | 126          | 239          | 115         | 220         | 719          | 4.08       |
| 20                | ARI   | 133         | 104         | 246         | 220         | 275          | 305         | 558          | 546          | 94          | 77          | 2558         | 14.50      |
| 21                | Other diseases of the respiratory system      | 59          | 59          | 137         | 120         | 166          | 210         | 511          | 446          | 107         | 108         | 1923         | 10.90      |
| 22                | Diseases of the teeth and gum                 |             |             | 13          | 14          | 69           | 77          | 143          | 211          | 45          | 29          | 601          | 3.41       |
| 23                | Peptic ulcer and gastritis                    | 1           | 6           | 23          | 16          | 71           | 73          | 410          | 478          | 101         | 89          | 1268         | 7.19       |
| 24                | Other diseases of the digestive system        | 2           | 1           | 2           | 5           | 3            |             | 12           | 6            | 1           |             | 32           | 0.18       |
| 25                | Diseases of the urinary system                |             | 2           | 11          | 7           | 22           | 15          | 133          | 306          | 11          | 25          | 532          | 3.02       |
| 26                | Diseases of male genital organs               |             |             |             |             | 4            |             | 20           |              | 1           |             | 25           | 0.14       |
| 27                | Diseases of breast                            |             |             |             | 1           |              |             |              | 20           |             |             | 21           | 0.12       |
| 28                | Diseases of female genital organs             |             |             |             |             |              | 2           |              | 120          |             | 2           | 124          | 0.70       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |              |             |              | 1            |             |             | 1            | 0.01       |
| 30                | Diseases of the skin                          | 109         | 80          | 212         | 226         | 389          | 338         | 728          | 508          | 101         | 51          | 2742         | 15.55      |
| 31                | Diseases of the musculo-skeletal system       |             |             | 6           | 2           | 41           | 39          | 400          | 272          | 96          | 78          | 934          | 5.30       |
| 32                | Acute abdomen                                 | 3           |             | 7           | 8           | 19           | 25          | 51           | 74           | 16          | 9           | 212          | 1.20       |
| 33                | Fever of unknown origin                       |             |             |             |             | 1            |             |              |              | 1           |             | 2            | 0.01       |
| 34                | Headache                                      |             |             | 1           | 5           | 29           | 53          | 180          | 278          | 20          | 27          | 593          | 3.36       |
| 35                | Other symptoms and signs                      |             |             | 8           | 12          | 18           | 14          | 53           | 24           | 8           | 7           | 144          | 0.82       |
| 36                | Injuries                                      | 1           | 1           | 37          | 21          | 122          | 63          | 256          | 79           | 39          | 13          | 632          | 3.58       |
| <b>Total</b>      |   | <b>466</b>  | <b>391</b>  | <b>1021</b> | <b>971</b>  | <b>1764</b>  | <b>1753</b> | <b>4561</b>  | <b>4881</b>  | <b>965</b>  | <b>866</b>  | <b>17639</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>2.64</b> | <b>2.22</b> | <b>5.79</b> | <b>5.50</b> | <b>10.00</b> | <b>9.94</b> | <b>25.86</b> | <b>27.67</b> | <b>5.47</b> | <b>4.91</b> | <b>100</b>   |            |

### Hospital morbidity report for Gomtu Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |             | 15 - 49      |              | 50 +        |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|--------------|-------------|--------------|--------------|-------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M            | F           | M            | F            | M           | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 1           | 1           | 4           | 3           | 9            | 4           | 100          | 20           | 4           | 4           | 150          | 0.62       |
| 2                 | Viral and other intestinal infections         | 93          | 88          | 305         | 229         | 342          | 309         | 853          | 349          | 47          | 40          | 2655         | 10.93      |
| 3                 | Tuberculosis                                  |             |             |             |             |              | 1           | 9            | 6            |             |             | 16           | 0.07       |
| 4                 | Children's diseases                           | 2           | 3           | 52          | 35          | 139          | 119         | 83           | 53           | 2           | 3           | 491          | 2.02       |
| 5                 | Tonsillitis                                   |             | 1           | 12          | 10          | 74           | 66          | 258          | 150          | 19          | 8           | 598          | 2.46       |
| 6                 | Scabies                                       |             |             | 4           | 9           | 22           | 22          | 83           | 42           | 17          | 1           | 200          | 0.82       |
| 7                 | Hepatitis                                     |             |             | 4           | 2           | 1            | 3           | 2            | 2            |             | 1           | 15           | 0.06       |
| 8                 | Malaria                                       |             |             | 10          | 9           | 36           | 25          | 114          | 61           | 10          | 7           | 272          | 1.12       |
| 9                 | Gonorrhoea                                    |             |             |             |             |              |             | 1            | 1            |             |             | 2            | 0.01       |
| 10                | Intestinal worms                              | 3           | 1           | 89          | 71          | 119          | 100         | 105          | 57           | 2           | 2           | 549          | 2.26       |
| 11                | Other infections                              |             |             | 14          | 2           | 32           | 24          | 67           | 21           | 16          | 6           | 182          | 0.75       |
| 12                | Neoplasms                                     |             |             |             |             |              |             |              |              |             |             | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases |             |             |             |             |              |             |              | 2            |             |             | 2            | 0.01       |
| 14                | Anaemia                                       | 1           | 1           | 20          | 13          | 38           | 39          | 157          | 269          | 23          | 28          | 589          | 2.43       |
| 15                | Mental disorder                               |             |             |             |             |              |             |              |              |             |             | 0            | 0.00       |
| 16                | Diseases of the eye                           | 28          | 19          | 44          | 46          | 99           | 94          | 359          | 185          | 30          | 25          | 929          | 3.83       |
| 17                | Diseases of the ear                           | 11          | 8           | 20          | 15          | 28           | 31          | 57           | 33           | 3           | 8           | 214          | 0.88       |
| 18                | Diseases of the nervous system                |             |             |             |             | 1            | 2           | 3            | 8            |             | 2           | 16           | 0.07       |
| 19                | Diseases of the circulatory system            |             |             |             |             |              | 2           | 37           | 21           | 12          | 13          | 85           | 0.35       |
| 20                | ARI   | 126         | 104         | 271         | 229         | 279          | 274         | 686          | 358          | 101         | 45          | 2473         | 10.18      |
| 21                | Other diseases of the respiratory system      | 38          | 34          | 139         | 84          | 130          | 143         | 725          | 331          | 103         | 50          | 1777         | 7.32       |
| 22                | Diseases of the teeth and gum                 |             | 1           | 6           | 11          | 39           | 38          | 361          | 210          | 7           | 11          | 684          | 2.82       |
| 23                | Peptic ulcer and gastritis                    |             |             | 9           | 11          | 47           | 65          | 672          | 399          | 53          | 45          | 1301         | 5.36       |
| 24                | Other diseases of the digestive system        |             | 1           | 4           |             | 2            | 1           | 22           | 18           | 3           |             | 51           | 0.21       |
| 25                | Diseases of the urinary system                | 1           |             | 3           | 5           | 15           | 19          | 70           | 143          | 6           | 8           | 270          | 1.11       |
| 26                | Diseases of male genital organs               |             |             |             |             | 2            |             | 8            |              | 1           |             | 11           | 0.05       |
| 27                | Diseases of breast                            |             |             |             |             |              |             |              | 14           |             |             | 14           | 0.06       |
| 28                | Diseases of female genital organs             |             |             |             |             |              | 1           |              | 93           |             |             | 94           | 0.39       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |              |             |              | 92           |             |             | 92           | 0.38       |
| 30                | Diseases of the skin                          | 77          | 60          | 272         | 228         | 402          | 380         | 1038         | 426          | 85          | 46          | 3014         | 12.41      |
| 31                | Diseases of the musculo-skeletal system       | 1           |             | 8           | 4           | 37           | 19          | 852          | 249          | 72          | 40          | 1282         | 5.28       |
| 32                | Acute abdomen                                 |             | 1           | 1           | 4           | 2            | 6           | 20           | 13           | 1           |             | 48           | 0.20       |
| 33                | Fever of unknown origin                       | 39          | 73          | 173         | 138         | 302          | 281         | 1204         | 533          | 86          | 77          | 2906         | 11.97      |
| 34                | Headache                                      | 3           | 1           | 18          | 10          | 130          | 81          | 633          | 447          | 53          | 38          | 1414         | 5.82       |
| 35                | Other symptoms and signs                      |             |             | 1           |             | 3            | 1           | 8            | 15           | 2           |             | 30           | 0.12       |
| 36                | Injuries                                      | 3           | 5           | 61          | 32          | 247          | 127         | 1150         | 154          | 66          | 16          | 1861         | 7.66       |
| <b>Total</b>      |   | <b>427</b>  | <b>402</b>  | <b>1544</b> | <b>1200</b> | <b>2577</b>  | <b>2277</b> | <b>9737</b>  | <b>4775</b>  | <b>824</b>  | <b>524</b>  | <b>24287</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>1.76</b> | <b>1.66</b> | <b>6.36</b> | <b>4.94</b> | <b>10.61</b> | <b>9.38</b> | <b>40.09</b> | <b>19.66</b> | <b>3.39</b> | <b>2.16</b> | <b>100</b>   |            |

### Hospital morbidity report for Sipsu Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 - 49      |              | 50 +         |             | Total       | %          |
|-------------------|---|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|------------|
|                   |   | M           | F           | M           | F           | M            | F            | M            | F            | M            | F           |             |            |
| 1                 | Bacterial and amoebic intestinal infections   | 14          | 12          | 28          | 33          | 36           | 34           | 51           | 53           | 36           | 43          | 340         | 3.90       |
| 2                 | Viral and other intestinal infections         | 41          | 34          | 60          | 54          | 44           | 53           | 58           | 50           | 24           | 22          | 440         | 5.04       |
| 3                 | Tuberculosis                                  | 5           | 2           | 2           | 2           | 2            | 2            | 7            | 6            | 13           | 5           | 46          | 0.53       |
| 4                 | Children's diseases                           |             | 1           | 2           | 7           | 11           | 10           | 14           | 6            | 6            | 5           | 62          | 0.71       |
| 5                 | Tonsillitis                                   |             |             | 6           | 8           | 28           | 30           | 36           | 41           | 30           | 28          | 207         | 2.37       |
| 6                 | Scabies                                       |             |             | 1           | 2           | 11           | 23           | 21           | 23           | 20           | 14          | 115         | 1.32       |
| 7                 | Hepatitis                                     |             |             |             |             | 1            |              |              |              |              |             | 1           | 0.01       |
| 8                 | Malaria                                       |             | 1           | 1           |             | 5            | 4            | 14           | 13           | 3            | 1           | 42          | 0.48       |
| 9                 | Gonorrhoea                                    |             |             |             |             |              |              |              |              |              |             | 0           | 0.00       |
| 10                | Intestinal worms                              |             |             | 25          | 21          | 42           | 32           | 30           | 32           | 20           | 16          | 218         | 2.50       |
| 11                | Other infections                              |             |             | 19          | 21          | 24           | 26           | 19           | 25           | 20           | 15          | 169         | 1.94       |
| 12                | Neoplasms                                     |             |             |             |             |              |              |              |              |              |             | 0           | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases |             | 1           | 2           | 2           | 3            | 4            | 10           | 13           | 3            | 1           | 39          | 0.45       |
| 14                | Anaemia                                       |             |             | 5           | 5           | 27           | 30           | 38           | 43           | 41           | 47          | 236         | 2.70       |
| 15                | Mental disorder                               |             |             |             | 3           | 3            | 7            | 4            | 14           | 6            | 6           | 43          | 0.49       |
| 16                | Diseases of the eye                           | 25          | 26          | 31          | 34          | 48           | 40           | 50           | 59           | 34           | 33          | 380         | 4.36       |
| 17                | Diseases of the ear                           | 15          | 16          | 25          | 37          | 35           | 43           | 47           | 46           | 30           | 25          | 319         | 3.66       |
| 18                | Diseases of the nervous system                | 3           | 1           | 4           | 3           | 10           | 8            | 16           | 18           | 7            | 7           | 77          | 0.88       |
| 19                | Diseases of the circulatory system            |             |             |             |             |              | 3            | 20           | 32           | 22           | 17          | 94          | 1.08       |
| 20                | ARI   | 49          | 47          | 76          | 84          | 93           | 136          | 145          | 170          | 70           | 57          | 927         | 10.62      |
| 21                | Other diseases of the respiratory system      | 56          | 59          | 63          | 63          | 72           | 58           | 121          | 116          | 90           | 69          | 767         | 8.79       |
| 22                | Diseases of the teeth and gum                 |             | 1           | 2           | 6           | 8            | 15           | 39           | 37           | 20           | 18          | 146         | 1.67       |
| 23                | Peptic ulcer and gastritis                    |             |             | 14          | 31          | 70           | 58           | 160          | 194          | 95           | 81          | 703         | 8.06       |
| 24                | Other diseases of the digestive system        | 1           | 2           | 3           | 1           | 3            | 1            | 8            | 9            | 3            | 7           | 38          | 0.44       |
| 25                | Diseases of the urinary system                |             |             | 1           | 7           | 8            | 30           | 14           | 58           | 19           | 35          | 172         | 1.97       |
| 26                | Diseases of male genital organs               |             |             |             |             |              |              | 3            |              |              |             | 3           | 0.03       |
| 27                | Diseases of breast                            |             |             |             |             |              |              |              | 3            |              |             | 3           | 0.03       |
| 28                | Diseases of female genital organs             |             |             |             |             |              | 9            |              | 62           |              | 12          | 83          | 0.95       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |              |              |              | 27           |              |             | 27          | 0.31       |
| 30                | Diseases of the skin                          | 88          | 79          | 149         | 120         | 130          | 151          | 260          | 202          | 120          | 114         | 1413        | 16.19      |
| 31                | Diseases of the musculo-skeletal system       |             |             | 5           | 9           | 23           | 26           | 51           | 52           | 40           | 45          | 251         | 2.88       |
| 32                | Acute abdomen                                 |             |             | 2           | 2           | 5            | 2            | 2            | 3            | 3            | 3           | 22          | 0.25       |
| 33                | Fever of unknown origin                       | 2           | 3           | 7           | 3           | 7            | 11           | 31           | 17           | 8            | 7           | 96          | 1.10       |
| 34                | Headache                                      |             |             | 6           | 9           | 37           | 50           | 110          | 144          | 65           | 51          | 472         | 5.41       |
| 35                | Other symptoms and signs                      |             |             | 3           | 2           | 16           | 15           | 83           | 84           | 30           | 28          | 261         | 2.99       |
| 36                | Injuries                                      | 5           | 6           | 37          | 29          | 74           | 71           | 105          | 81           | 62           | 43          | 513         | 5.88       |
| <b>Total</b>      |   | <b>304</b>  | <b>291</b>  | <b>579</b>  | <b>598</b>  | <b>876</b>   | <b>982</b>   | <b>1567</b>  | <b>1733</b>  | <b>940</b>   | <b>855</b>  | <b>8725</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>3.48</b> | <b>3.34</b> | <b>6.64</b> | <b>6.85</b> | <b>10.04</b> | <b>11.26</b> | <b>17.96</b> | <b>19.86</b> | <b>10.77</b> | <b>9.80</b> | <b>100</b>  |            |

## Hospital morbidity report for Samdrupjongkhar Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 - 49      |              | 50 +         |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M            | F            | M            | F            | M            | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 16          | 24          | 61          | 77          | 53           | 51           | 85           | 72           | 11           | 9           | 459          | 3.67       |
| 2                 | Viral and other intestinal infections         | 43          | 34          | 128         | 110         | 99           | 124          | 69           | 93           | 8            | 9           | 717          | 5.74       |
| 3                 | Tuberculosis                                  |             |             |             | 2           |              | 1            | 3            | 1            |              | 2           | 9            | 0.07       |
| 4                 | Children's diseases                           |             | 1           | 2           | 5           | 12           | 5            | 2            | 3            | 1            |             | 31           | 0.25       |
| 5                 | Tonsillitis                                   | 1           |             | 10          | 6           | 35           | 59           | 46           | 91           | 7            | 2           | 257          | 2.06       |
| 6                 | Scabies                                       |             |             | 1           | 2           | 3            | 4            | 14           | 4            |              | 2           | 30           | 0.24       |
| 7                 | Hepatitis                                     |             |             |             |             | 1            | 1            | 4            | 7            | 1            |             | 14           | 0.11       |
| 8                 | Malaria                                       |             |             | 2           |             | 7            | 5            | 20           | 8            | 2            |             | 44           | 0.35       |
| 9                 | Gonorrhoea                                    |             |             |             |             |              |              | 13           | 6            |              |             | 19           | 0.15       |
| 10                | Intestinal worms                              |             | 1           | 14          | 13          | 9            | 11           | 7            | 11           |              | 1           | 67           | 0.54       |
| 11                | Other infections                              | 9           | 9           | 31          | 39          | 49           | 74           | 107          | 100          | 1            | 7           | 426          | 3.41       |
| 12                | Neoplasms                                     |             |             |             |             |              |              |              |              |              |             | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases | 1           | 1           |             |             |              | 1            | 8            | 4            | 6            | 3           | 24           | 0.19       |
| 14                | Anaemia                                       |             |             | 5           | 4           | 5            | 9            | 12           | 72           | 8            | 9           | 124          | 0.99       |
| 15                | Mental disorder                               |             |             |             |             |              | 2            | 4            |              |              |             | 6            | 0.05       |
| 16                | Diseases of the eye                           | 11          | 17          | 18          | 24          | 43           | 67           | 166          | 136          | 29           | 26          | 537          | 4.30       |
| 17                | Diseases of the ear                           | 16          | 11          | 29          | 30          | 50           | 70           | 108          | 64           | 10           | 2           | 390          | 3.12       |
| 18                | Diseases of the nervous system                |             | 2           | 4           | 2           | 11           | 16           | 62           | 87           | 8            | 11          | 203          | 1.63       |
| 19                | Diseases of the circulatory system            |             |             | 1           | 1           | 1            | 10           | 78           | 92           | 83           | 51          | 317          | 2.54       |
| 20                | ARI   | 132         | 106         | 280         | 229         | 333          | 416          | 587          | 548          | 61           | 35          | 2727         | 21.83      |
| 21                | Other diseases of the respiratory system      | 49          | 44          | 60          | 74          | 21           | 26           | 51           | 64           | 30           | 26          | 445          | 3.56       |
| 22                | Diseases of the teeth and gum                 | 9           | 9           | 31          | 21          | 79           | 83           | 189          | 236          | 41           | 26          | 724          | 5.80       |
| 23                | Peptic ulcer and gastritis                    |             |             | 7           | 3           | 41           | 54           | 270          | 357          | 36           | 50          | 818          | 6.55       |
| 24                | Other diseases of the digestive system        | 10          | 1           | 32          | 29          | 55           | 59           | 53           | 75           | 20           | 10          | 344          | 2.75       |
| 25                | Diseases of the urinary system                | 1           |             | 4           | 3           | 4            | 5            | 68           | 121          | 4            | 8           | 218          | 1.75       |
| 26                | Diseases of male genital organs               |             |             |             |             | 2            |              | 27           |              | 1            |             | 30           | 0.24       |
| 27                | Diseases of breast                            |             |             |             |             |              |              |              | 36           |              |             | 36           | 0.29       |
| 28                | Diseases of female genital organs             |             |             |             |             |              | 1            |              | 168          |              |             | 169          | 1.35       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |              |              |              | 4            |              |             | 4            | 0.03       |
| 30                | Diseases of the skin                          | 47          | 41          | 132         | 148         | 160          | 198          | 405          | 287          | 42           | 46          | 1506         | 12.06      |
| 31                | Diseases of the musculo-skeletal system       |             |             | 3           | 3           | 27           | 32           | 338          | 245          | 56           | 51          | 755          | 6.04       |
| 32                | Acute abdomen                                 |             |             | 1           |             |              |              |              |              |              |             | 1            | 0.01       |
| 33                | Fever of unknown origin                       | 2           | 1           | 5           | 6           | 5            | 5            | 5            | 1            |              | 2           | 32           | 0.26       |
| 34                | Headache                                      | 2           |             | 4           | 6           | 48           | 58           | 137          | 221          | 12           | 20          | 508          | 4.07       |
| 35                | Other symptoms and signs                      | 1           | 2           | 6           | 7           | 18           | 14           | 36           | 22           | 3            | 4           | 113          | 0.90       |
| 36                | Injuries                                      | 2           | 1           | 24          | 16          | 79           | 40           | 145          | 58           | 15           | 6           | 386          | 3.09       |
| <b>Total</b>      |   | <b>352</b>  | <b>305</b>  | <b>895</b>  | <b>860</b>  | <b>1250</b>  | <b>1501</b>  | <b>3119</b>  | <b>3294</b>  | <b>496</b>   | <b>418</b>  | <b>12490</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>2.82</b> | <b>2.44</b> | <b>7.17</b> | <b>6.89</b> | <b>10.01</b> | <b>12.02</b> | <b>24.97</b> | <b>26.37</b> | <b>3.971</b> | <b>3.35</b> | <b>100</b>   |            |

## Hospital morbidity report for Deothang Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |             | 15 - 49      |              | 50 +         |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M           | F           | M            | F            | M            | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 16          | 9           | 35          | 23          | 36          | 18          | 204          | 43           | 8            | 10          | 402          | 2.51       |
| 2                 | Viral and other intestinal infections         | 20          | 23          | 69          | 55          | 55          | 32          | 170          | 53           | 9            | 3           | 489          | 3.06       |
| 3                 | Tuberculosis                                  |             |             | 1           | 2           | 3           | 4           | 22           | 13           | 4            | 3           | 52           | 0.32       |
| 4                 | Children's diseases                           |             | 1           | 1           |             | 9           | 13          | 7            | 6            |              |             | 37           | 0.23       |
| 5                 | Tonsillitis                                   |             |             | 6           | 3           | 10          | 16          | 102          | 60           | 3            | 3           | 203          | 1.27       |
| 6                 | Scabies                                       | 1           | 1           | 7           | 3           | 7           | 1           | 35           | 17           | 7            | 2           | 81           | 0.51       |
| 7                 | Hepatitis                                     |             |             |             | 1           |             | 2           | 5            | 2            |              |             | 10           | 0.06       |
| 8                 | Malaria                                       |             | 2           | 3           | 6           | 13          | 13          | 41           | 31           | 8            | 7           | 124          | 0.77       |
| 9                 | Gonorrhoea                                    |             |             |             |             |             |             | 31           | 5            |              |             | 36           | 0.22       |
| 10                | Intestinal worms                              |             |             | 20          | 13          | 20          | 13          | 75           | 11           |              |             | 152          | 0.95       |
| 11                | Other infections                              |             |             |             |             |             |             | 4            |              |              |             | 4            | 0.02       |
| 12                | Neoplasms                                     |             |             |             |             |             |             |              |              |              |             | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases | 1           | 3           | 12          | 2           | 5           | 2           | 48           | 15           | 1            | 2           | 91           | 0.57       |
| 14                | Anaemia                                       | 1           |             | 1           | 3           |             |             | 16           | 21           | 4            | 5           | 51           | 0.32       |
| 15                | Mental disorder                               |             |             |             |             |             |             | 5            | 2            | 1            |             | 8            | 0.05       |
| 16                | Diseases of the eye                           | 7           | 8           | 9           | 8           | 17          | 15          | 192          | 50           | 6            | 6           | 318          | 1.99       |
| 17                | Diseases of the ear                           | 16          | 12          | 37          | 25          | 50          | 46          | 190          | 65           | 7            | 4           | 452          | 2.82       |
| 18                | Diseases of the nervous system                |             |             | 3           |             | 2           | 3           | 182          | 18           | 6            | 6           | 220          | 1.37       |
| 19                | Diseases of the circulatory system            |             |             | 1           | 1           | 3           |             | 276          | 145          | 79           | 116         | 621          | 3.88       |
| 20                | ARI   | 119         | 80          | 172         | 148         | 131         | 148         | 704          | 388          | 39           | 54          | 1983         | 12.39      |
| 21                | Other diseases of the respiratory system      | 55          | 21          | 48          | 48          | 37          | 37          | 268          | 119          | 50           | 44          | 727          | 4.54       |
| 22                | Diseases of the teeth and gum                 |             |             | 11          | 14          | 125         | 147         | 669          | 354          | 40           | 42          | 1402         | 8.76       |
| 23                | Peptic ulcer and gastritis                    | 1           |             | 7           |             | 20          | 8           | 560          | 357          | 21           | 44          | 1018         | 6.36       |
| 24                | Other diseases of the digestive system        |             |             |             |             |             | 1           | 17           | 9            |              | 2           | 29           | 0.18       |
| 25                | Diseases of the urinary system                | 2           |             | 2           | 7           | 5           | 8           | 121          | 120          | 9            | 3           | 277          | 1.73       |
| 26                | Diseases of male genital organs               | 1           |             | 4           |             | 7           |             | 20           |              | 1            |             | 33           | 0.21       |
| 27                | Diseases of breast                            |             |             |             |             |             |             |              | 34           |              |             | 34           | 0.21       |
| 28                | Diseases of female genital organs             |             |             |             |             |             |             |              | 34           |              | 1           | 35           | 0.22       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |             |             |              | 44           |              |             | 44           | 0.27       |
| 30                | Diseases of the skin                          | 59          | 37          | 129         | 91          | 146         | 128         | 1092         | 238          | 30           | 34          | 1984         | 12.40      |
| 31                | Diseases of the musculo-skeletal system       |             |             |             |             | 12          | 5           | 487          | 65           | 13           | 16          | 598          | 3.74       |
| 32                | Acute abdomen                                 |             |             | 4           | 9           | 11          | 6           | 60           | 48           | 2            | 5           | 145          | 0.91       |
| 33                | Fever of unknown origin                       | 34          | 16          | 48          | 41          | 78          | 66          | 691          | 250          | 46           | 34          | 1304         | 8.15       |
| 34                | Headache                                      |             |             | 2           | 1           | 18          | 13          | 194          | 138          | 9            | 10          | 385          | 2.41       |
| 35                | Other symptoms and signs                      | 6           | 6           | 34          | 29          | 93          | 52          | 1171         | 484          | 51           | 74          | 2000         | 12.50      |
| 36                | Injuries                                      | 1           | 2           | 19          | 8           | 46          | 23          | 438          | 98           | 12           | 5           | 652          | 4.07       |
| <b>Total</b>      |   | <b>340</b>  | <b>221</b>  | <b>685</b>  | <b>541</b>  | <b>959</b>  | <b>820</b>  | <b>8097</b>  | <b>3337</b>  | <b>466</b>   | <b>535</b>  | <b>16001</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>2.12</b> | <b>1.38</b> | <b>4.28</b> | <b>3.38</b> | <b>5.99</b> | <b>5.12</b> | <b>50.60</b> | <b>20.85</b> | <b>2.912</b> | <b>3.34</b> | <b>100</b>   |            |

# Hospital morbidity report for Zhemgang Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |             | 15 - 49      |              | 50 +         |             | Total       | %          |
|-------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|-------------|------------|
|                   |   | M           | F           | M           | F           | M           | F           | M            | F            | M            | F           |             |            |
| 1                 | Bacterial and amoebic intestinal infections   | 2           | 2           | 25          | 13          | 20          | 26          | 133          | 55           | 12           | 6           | 294         | 3.02       |
| 2                 | Viral and other intestinal infections         | 18          | 16          | 43          | 34          | 45          | 46          | 121          | 52           | 5            | 6           | 386         | 3.96       |
| 3                 | Tuberculosis                                  |             |             |             |             |             |             | 6            | 7            | 2            | 2           | 17          | 0.17       |
| 4                 | Children's diseases                           |             |             | 7           | 7           | 56          | 41          | 10           | 9            |              |             | 130         | 1.33       |
| 5                 | Tonsillitis                                   |             |             |             |             | 13          | 19          | 21           | 26           | 4            | 1           | 84          | 0.86       |
| 6                 | Scabies                                       |             | 1           | 6           |             |             | 5           | 72           | 8            | 2            | 2           | 96          | 0.98       |
| 7                 | Hepatitis                                     |             |             |             |             | 1           | 3           | 13           | 5            | 3            | 2           | 27          | 0.28       |
| 8                 | Malaria                                       |             | 1           |             | 1           | 1           | 2           | 25           | 10           | 3            | 1           | 44          | 0.45       |
| 9                 | Gonorrhoea                                    |             |             |             |             |             |             | 15           | 3            |              |             | 18          | 0.18       |
| 10                | Intestinal worms                              |             |             | 14          | 8           | 6           | 10          | 39           | 10           | 1            | 1           | 89          | 0.91       |
| 11                | Other infections                              |             |             | 7           | 6           | 14          | 13          | 26           | 11           | 1            | 2           | 80          | 0.82       |
| 12                | Neoplasms                                     |             |             |             |             |             |             |              |              |              |             | 0           | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases |             | 4           | 18          | 27          | 4           | 8           | 83           | 40           | 7            | 4           | 195         | 2.00       |
| 14                | Anaemia                                       |             |             |             |             | 2           |             | 6            | 14           | 1            |             | 23          | 0.24       |
| 15                | Mental disorder                               |             |             |             |             |             |             | 3            | 16           |              | 1           | 20          | 0.21       |
| 16                | Diseases of the eye                           | 2           | 2           | 13          | 15          | 7           | 7           | 46           | 29           | 11           | 11          | 143         | 1.47       |
| 17                | Diseases of the ear                           | 8           | 7           | 22          | 26          | 24          | 37          | 59           | 37           | 6            | 4           | 230         | 2.36       |
| 18                | Diseases of the nervous system                |             |             | 1           |             | 1           |             | 3            | 5            | 3            |             | 13          | 0.13       |
| 19                | Diseases of the circulatory system            |             |             |             |             | 1           | 3           | 81           | 97           | 33           | 50          | 265         | 2.72       |
| 20                | ARI   | 39          | 50          | 93          | 77          | 132         | 144         | 451          | 205          | 27           | 16          | 1234        | 12.66      |
| 21                | Other diseases of the respiratory system      | 20          | 26          | 55          | 47          | 54          | 66          | 162          | 107          | 41           | 29          | 607         | 6.23       |
| 22                | Diseases of the teeth and gum                 |             |             | 1           | 2           | 8           | 6           | 57           | 49           | 5            | 6           | 134         | 1.37       |
| 23                | Peptic ulcer and gastritis                    |             |             |             |             | 13          | 14          | 295          | 329          | 42           | 33          | 726         | 7.45       |
| 24                | Other diseases of the digestive system        |             |             |             |             | 2           | 1           | 14           | 19           | 3            | 6           | 45          | 0.46       |
| 25                | Diseases of the urinary system                |             |             | 3           | 5           | 9           | 7           | 70           | 111          | 8            | 8           | 221         | 2.27       |
| 26                | Diseases of male genital organs               |             |             | 1           |             | 3           |             | 17           |              | 1            |             | 22          | 0.23       |
| 27                | Diseases of breast                            |             |             |             | 1           |             |             |              | 18           |              |             | 19          | 0.19       |
| 28                | Diseases of female genital organs             |             |             |             |             |             |             |              | 396          |              |             | 396         | 4.06       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |             |             |              | 146          |              |             | 146         | 1.50       |
| 30                | Diseases of the skin                          | 17          | 37          | 98          | 94          | 123         | 149         | 663          | 262          | 40           | 22          | 1505        | 15.44      |
| 31                | Diseases of the musculo-skeletal system       |             |             |             | 1           | 2           | 6           | 186          | 116          | 23           | 20          | 354         | 3.63       |
| 32                | Acute abdomen                                 |             |             |             |             |             | 1           | 5            | 4            |              |             | 10          | 0.10       |
| 33                | Fever of unknown origin                       | 4           | 12          | 32          | 23          | 44          | 42          | 218          | 141          | 31           | 9           | 556         | 5.70       |
| 34                | Headache                                      |             | 1           | 1           | 1           | 19          | 26          | 204          | 180          | 18           | 11          | 461         | 4.73       |
| 35                | Other symptoms and signs                      |             | 1           | 8           | 9           | 38          | 37          | 153          | 108          | 17           | 6           | 377         | 3.87       |
| 36                | Injuries                                      |             | 3           | 22          | 11          | 55          | 61          | 426          | 128          | 51           | 26          | 783         | 8.03       |
| <b>Total</b>      |   | <b>110</b>  | <b>163</b>  | <b>470</b>  | <b>408</b>  | <b>697</b>  | <b>780</b>  | <b>3683</b>  | <b>2753</b>  | <b>401</b>   | <b>285</b>  | <b>9750</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>1.13</b> | <b>1.67</b> | <b>4.82</b> | <b>4.18</b> | <b>7.15</b> | <b>8.00</b> | <b>37.77</b> | <b>28.24</b> | <b>4.113</b> | <b>2.92</b> | <b>100</b>  |            |

## Hospital morbidity report for Trashigang Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |             | 15 - 49      |              | 50 +        |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M           | F           | M            | F            | M           | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 17          | 14          | 45          | 52          | 71          | 44          | 226          | 181          | 27          | 14          | 691          | 5.40       |
| 2                 | Viral and other intestinal infections         | 27          | 18          | 73          | 39          | 82          | 45          | 105          | 98           | 14          | 9           | 510          | 3.98       |
| 3                 | Tuberculosis                                  |             |             |             |             |             |             |              | 1            | 1           |             | 2            | 0.02       |
| 4                 | Children's diseases                           |             |             | 2           | 2           | 4           | 14          | 1            | 3            |             |             | 26           | 0.20       |
| 5                 | Tonsillitis                                   | 1           |             | 9           | 9           | 40          | 51          | 87           | 125          | 3           | 3           | 328          | 2.56       |
| 6                 | Scabies                                       | 1           | 2           | 6           | 6           | 12          | 14          | 33           | 17           | 7           | 4           | 102          | 0.80       |
| 7                 | Hepatitis                                     |             |             | 2           | 1           | 3           |             | 5            | 2            |             |             | 13           | 0.10       |
| 8                 | Malaria                                       | 3           |             | 4           | 3           | 4           | 3           | 31           | 15           | 1           |             | 64           | 0.50       |
| 9                 | Gonorrhoea                                    |             |             |             |             |             |             | 39           | 18           | 2           | 1           | 60           | 0.47       |
| 10                | Intestinal worms                              | 1           | 2           | 33          | 23          | 38          | 40          | 63           | 61           | 14          | 14          | 289          | 2.26       |
| 11                | Other infections                              |             |             |             | 1           |             | 1           | 1            | 1            |             |             | 4            | 0.03       |
| 12                | Neoplasms                                     |             |             |             |             |             |             |              |              |             |             | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases | 3           | 1           | 7           | 1           | 7           | 11          | 41           | 36           | 9           | 5           | 121          | 0.94       |
| 14                | Anaemia                                       |             |             | 1           | 1           | 5           | 6           | 22           | 60           | 3           | 10          | 108          | 0.84       |
| 15                | Mental disorder                               |             |             |             |             |             |             | 1            | 3            |             |             | 4            | 0.03       |
| 16                | Diseases of the eye                           | 6           | 18          | 26          | 19          | 85          | 81          | 303          | 310          | 80          | 53          | 981          | 7.66       |
| 17                | Diseases of the ear                           | 15          | 10          | 13          | 25          | 45          | 39          | 79           | 59           | 7           | 8           | 300          | 2.34       |
| 18                | Diseases of the nervous system                |             |             | 1           | 1           |             | 3           | 8            | 6            | 1           | 1           | 21           | 0.16       |
| 19                | Diseases of the circulatory system            |             |             |             |             |             | 1           | 33           | 42           | 23          | 17          | 116          | 0.91       |
| 20                | ARI   | 63          | 57          | 128         | 106         | 109         | 113         | 444          | 384          | 60          | 27          | 1491         | 11.64      |
| 21                | Other diseases of the respiratory system      | 24          | 25          | 29          | 27          | 31          | 37          | 141          | 136          | 31          | 20          | 501          | 3.91       |
| 22                | Diseases of the teeth and gum                 |             |             | 14          | 6           | 102         | 91          | 498          | 565          | 144         | 59          | 1479         | 11.55      |
| 23                | Peptic ulcer and gastritis                    | 1           | 1           | 7           | 11          | 57          | 63          | 440          | 544          | 72          | 64          | 1260         | 9.84       |
| 24                | Other diseases of the digestive system        | 1           | 3           | 6           | 3           | 7           | 10          | 76           | 112          | 11          | 7           | 236          | 1.84       |
| 25                | Diseases of the urinary system                | 1           | 1           | 7           | 6           | 4           | 8           | 79           | 151          | 12          | 13          | 282          | 2.20       |
| 26                | Diseases of male genital organs               |             |             | 1           |             | 1           |             | 9            |              | 2           |             | 13           | 0.10       |
| 27                | Diseases of breast                            |             |             |             |             |             |             |              | 15           |             |             | 15           | 0.12       |
| 28                | Diseases of female genital organs             |             |             |             |             |             | 1           |              | 59           |             | 1           | 61           | 0.48       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |             |             |              | 13           |             |             | 13           | 0.10       |
| 30                | Diseases of the skin                          | 35          | 24          | 97          | 65          | 139         | 141         | 515          | 344          | 75          | 40          | 1475         | 11.52      |
| 31                | Diseases of the musculo-skeletal system       |             | 1           |             | 2           | 15          | 8           | 374          | 210          | 48          | 40          | 698          | 5.45       |
| 32                | Acute abdomen                                 |             |             | 1           |             | 3           | 4           | 6            | 5            |             |             | 19           | 0.15       |
| 33                | Fever of unknown origin                       |             |             | 3           |             |             |             | 3            | 3            |             |             | 9            | 0.07       |
| 34                | Headache                                      | 17          | 12          | 27          | 22          | 99          | 92          | 411          | 418          | 37          | 37          | 1172         | 9.15       |
| 35                | Other symptoms and signs                      | 1           |             | 1           | 1           | 4           | 3           | 25           | 14           | 2           | 2           | 53           | 0.41       |
| 36                | Injuries                                      |             | 3           | 20          | 15          | 36          | 15          | 131          | 43           | 21          | 4           | 288          | 2.25       |
| <b>Total</b>      |   | <b>217</b>  | <b>192</b>  | <b>563</b>  | <b>447</b>  | <b>1003</b> | <b>939</b>  | <b>4230</b>  | <b>4054</b>  | <b>707</b>  | <b>453</b>  | <b>12805</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>1.69</b> | <b>1.50</b> | <b>4.40</b> | <b>3.49</b> | <b>7.83</b> | <b>7.33</b> | <b>33.03</b> | <b>31.66</b> | <b>5.52</b> | <b>3.54</b> | <b>100</b>   |            |

## Hospital morbidity report for Riserboo Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |              | 15 - 49      |              | 50 +        |             | Total       | %          |
|-------------------|---|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|-------------|-------------|------------|
|                   |   | M           | F           | M           | F           | M           | F            | M            | F            | M           | F           |             |            |
| 1                 | Bacterial and amoebic intestinal infections   | 16          | 6           | 28          | 36          | 19          | 32           | 80           | 33           | 17          | 7           | 274         | 4.07       |
| 2                 | Viral and other intestinal infections         | 25          | 15          | 41          | 32          | 89          | 75           | 57           | 36           | 13          | 11          | 394         | 5.86       |
| 3                 | Tuberculosis                                  |             |             |             |             |             |              |              |              |             |             | 0           | 0.00       |
| 4                 | Children's diseases                           |             | 1           | 1           | 1           | 11          | 9            | 1            | 6            |             |             | 30          | 0.45       |
| 5                 | Tonsillitis                                   |             |             | 1           | 2           | 15          | 18           | 22           | 29           | 3           | 1           | 91          | 1.35       |
| 6                 | Scabies                                       | 1           | 1           | 1           | 4           | 16          | 4            | 6            | 2            | 6           |             | 41          | 0.61       |
| 7                 | Hepatitis                                     |             |             | 1           |             | 3           |              | 6            | 4            | 2           | 1           | 17          | 0.25       |
| 8                 | Malaria                                       |             |             |             |             |             | 1            | 2            |              |             |             | 3           | 0.04       |
| 9                 | Gonorrhoea                                    |             |             |             |             |             |              | 1            |              |             |             | 1           | 0.01       |
| 10                | Intestinal worms                              |             |             | 20          | 17          | 32          | 36           | 22           | 35           | 3           | 4           | 169         | 2.51       |
| 11                | Other infections                              |             |             |             |             |             |              | 1            |              |             |             | 1           | 0.01       |
| 12                | Neoplasms                                     |             |             |             |             |             |              |              |              |             |             | 0           | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases |             | 1           | 6           | 7           | 8           | 11           | 15           | 27           | 5           | 2           | 82          | 1.22       |
| 14                | Anaemia                                       |             | 1           | 1           |             | 2           | 1            | 4            | 11           |             |             | 20          | 0.30       |
| 15                | Mental disorder                               |             |             |             |             |             |              |              |              |             |             | 0           | 0.00       |
| 16                | Diseases of the eye                           | 16          | 18          | 26          | 17          | 52          | 50           | 88           | 68           | 27          | 24          | 386         | 5.74       |
| 17                | Diseases of the ear                           | 12          | 8           | 17          | 12          | 30          | 32           | 23           | 43           | 2           | 3           | 182         | 2.71       |
| 18                | Diseases of the nervous system                | 13          | 9           | 12          | 18          | 46          | 39           | 118          | 166          | 44          | 14          | 479         | 7.12       |
| 19                | Diseases of the circulatory system            |             |             |             | 4           | 3           | 4            | 51           | 132          | 58          | 59          | 311         | 4.62       |
| 20                | ARI   | 40          | 27          | 42          | 43          | 57          | 76           | 121          | 167          | 28          | 20          | 621         | 9.23       |
| 21                | Other diseases of the respiratory system      | 19          | 22          | 48          | 44          | 52          | 64           | 123          | 148          | 77          | 70          | 667         | 9.92       |
| 22                | Diseases of the teeth and gum                 |             |             | 3           | 3           | 42          | 41           | 176          | 191          | 28          | 12          | 496         | 7.37       |
| 23                | Peptic ulcer and gastritis                    |             |             | 3           | 4           | 16          | 21           | 112          | 246          | 28          | 38          | 468         | 6.96       |
| 24                | Other diseases of the digestive system        |             |             |             |             | 1           |              | 2            | 1            | 3           | 12          | 19          | 0.28       |
| 25                | Diseases of the urinary system                |             |             | 1           | 3           | 5           | 8            | 33           | 72           | 2           | 10          | 134         | 1.99       |
| 26                | Diseases of male genital organs               |             |             |             |             | 1           |              | 25           |              | 3           |             | 29          | 0.43       |
| 27                | Diseases of breast                            |             |             |             |             |             | 2            |              | 12           |             |             | 14          | 0.21       |
| 28                | Diseases of female genital organs             |             |             |             |             |             | 3            |              | 47           |             | 4           | 54          | 0.80       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |             |              |              |              |             |             | 0           | 0.00       |
| 30                | Diseases of the skin                          | 23          | 23          | 52          | 53          | 71          | 95           | 172          | 127          | 26          | 18          | 660         | 9.81       |
| 31                | Diseases of the musculo-skeletal system       | 2           | 4           | 3           | 1           | 21          | 28           | 196          | 198          | 74          | 63          | 590         | 8.77       |
| 32                | Acute abdomen                                 |             |             | 1           |             | 1           |              | 4            | 3            |             | 1           | 10          | 0.15       |
| 33                | Fever of unknown origin                       |             |             | 1           |             | 2           | 1            | 2            | 4            |             | 1           | 11          | 0.16       |
| 34                | Headache                                      |             |             | 1           |             | 38          | 46           | 97           | 139          | 15          | 18          | 354         | 5.26       |
| 35                | Other symptoms and signs                      |             |             |             |             |             |              | 1            | 3            | 4           | 3           | 11          | 0.16       |
| 36                | Injuries                                      |             | 1           | 3           | 7           | 10          | 8            | 34           | 27           | 11          | 6           | 107         | 1.59       |
| <b>Total</b>      |   | <b>167</b>  | <b>137</b>  | <b>313</b>  | <b>308</b>  | <b>643</b>  | <b>705</b>   | <b>1595</b>  | <b>1977</b>  | <b>479</b>  | <b>402</b>  | <b>6726</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>2.48</b> | <b>2.04</b> | <b>4.65</b> | <b>4.58</b> | <b>9.56</b> | <b>10.48</b> | <b>23.71</b> | <b>29.39</b> | <b>7.12</b> | <b>5.98</b> | <b>100</b>  |            |

## Hospital morbidity report for Yongphula RBA Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 - 49      |              | 50 +         |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M            | F            | M            | F            | M            | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 109         | 116         | 95          | 225         | 149          | 124          | 136          | 111          | 95           | 80          | 1240         | 7.67       |
| 2                 | Viral and other intestinal infections         | 113         | 107         | 135         | 129         | 116          | 106          | 99           | 122          | 129          | 43          | 1099         | 6.80       |
| 3                 | Tuberculosis                                  |             |             |             |             |              | 6            | 24           | 8            |              | 1           | 39           | 0.24       |
| 4                 | Children's diseases                           |             |             | 1           |             | 8            | 7            | 1            |              | 1            |             | 18           | 0.11       |
| 5                 | Tonsillitis                                   |             |             | 11          | 65          | 42           | 71           | 75           | 58           | 53           | 60          | 435          | 2.69       |
| 6                 | Scabies                                       | 25          | 40          | 67          | 67          | 33           | 75           | 84           | 55           | 50           | 48          | 544          | 3.36       |
| 7                 | Hepatitis                                     |             |             |             |             |              |              |              |              |              |             | 0            | 0.00       |
| 8                 | Malaria                                       |             |             |             |             |              |              | 4            | 2            |              |             | 6            | 0.04       |
| 9                 | Gonorrhoea                                    |             |             |             |             |              |              |              |              |              |             | 0            | 0.00       |
| 10                | Intestinal worms                              |             | 14          | 89          | 105         | 91           | 93           | 85           | 82           | 57           | 48          | 664          | 4.11       |
| 11                | Other infections                              |             |             |             | 8           | 27           | 35           | 42           | 34           | 26           | 16          | 188          | 1.16       |
| 12                | Neoplasms                                     |             |             |             |             |              |              |              |              |              |             | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases | 7           | 46          | 93          | 77          | 97           | 60           | 78           | 75           | 31           | 19          | 583          | 3.60       |
| 14                | Anaemia                                       | 16          | 47          | 50          | 56          | 49           | 47           | 48           | 36           | 24           | 23          | 396          | 2.45       |
| 15                | Mental disorder                               |             |             |             |             |              |              | 2            | 5            |              |             | 7            | 0.04       |
| 16                | Diseases of the eye                           | 20          | 32          | 28          | 37          | 50           | 41           | 41           | 55           | 46           | 45          | 395          | 2.44       |
| 17                | Diseases of the ear                           |             |             | 36          | 59          | 82           | 78           | 89           | 105          | 66           | 38          | 553          | 3.42       |
| 18                | Diseases of the nervous system                |             |             |             |             | 1            | 3            | 12           |              |              |             | 16           | 0.10       |
| 19                | Diseases of the circulatory system            |             |             | 2           | 1           | 17           | 41           | 88           | 115          | 101          | 73          | 438          | 2.71       |
| 20                | ARI   | 173         | 164         | 139         | 150         | 159          | 118          | 123          | 107          | 93           | 91          | 1317         | 8.14       |
| 21                | Other diseases of the respiratory system      | 148         | 120         | 170         | 176         | 160          | 153          | 146          | 116          | 79           | 46          | 1314         | 8.12       |
| 22                | Diseases of the teeth and gum                 | 7           | 18          | 31          | 29          | 77           | 150          | 116          | 117          | 84           | 76          | 705          | 4.36       |
| 23                | Peptic ulcer and gastritis                    | 30          | 21          | 55          | 70          | 72           | 76           | 59           | 43           | 45           | 32          | 503          | 3.11       |
| 24                | Other diseases of the digestive system        | 57          | 66          | 97          | 92          | 89           | 96           | 117          | 106          | 90           | 79          | 889          | 5.50       |
| 25                | Diseases of the urinary system                |             |             |             |             | 18           | 28           | 37           | 42           | 27           | 29          | 181          | 1.12       |
| 26                | Diseases of male genital organs               |             |             |             |             | 9            |              | 41           |              | 27           |             | 77           | 0.48       |
| 27                | Diseases of breast                            |             |             |             |             |              |              |              | 33           |              |             | 33           | 0.20       |
| 28                | Diseases of female genital organs             |             |             |             |             |              | 27           |              | 113          |              | 37          | 177          | 1.09       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |              |              |              | 3            |              |             | 3            | 0.02       |
| 30                | Diseases of the skin                          | 76          | 107         | 136         | 140         | 156          | 150          | 170          | 170          | 135          | 105         | 1345         | 8.32       |
| 31                | Diseases of the musculo-skeletal system       |             |             |             |             | 2            | 32           | 159          | 155          | 184          | 185         | 717          | 4.43       |
| 32                | Acute abdomen                                 |             |             |             |             | 24           | 20           | 13           | 19           | 8            |             | 84           | 0.52       |
| 33                | Fever of unknown origin                       |             | 6           | 36          | 24          | 32           | 32           | 28           | 40           | 26           | 25          | 249          | 1.54       |
| 34                | Headache                                      |             |             |             |             | 150          | 183          | 223          | 206          | 142          | 94          | 998          | 6.17       |
| 35                | Other symptoms and signs                      | 37          | 36          | 55          | 69          | 68           | 81           | 86           | 111          | 72           | 67          | 682          | 4.22       |
| 36                | Injuries                                      |             | 3           | 34          | 30          | 37           | 38           | 37           | 53           | 23           | 23          | 278          | 1.72       |
| <b>Total</b>      |   | <b>818</b>  | <b>943</b>  | <b>1360</b> | <b>1609</b> | <b>1815</b>  | <b>1971</b>  | <b>2263</b>  | <b>2297</b>  | <b>1714</b>  | <b>1383</b> | <b>16173</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>5.06</b> | <b>5.83</b> | <b>8.41</b> | <b>9.95</b> | <b>11.22</b> | <b>12.19</b> | <b>13.99</b> | <b>14.20</b> | <b>10.60</b> | <b>8.55</b> | <b>100</b>   |            |

### Hospital morbidity report for JDWNR Hospital, Thimphu - 2001 (Only Inpatient)

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |             | 15 - 49      |              | 50 +        |             | Total       | %          |
|-------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|------------|
|                   |   | M           | F           | M           | F           | M           | F           | M            | F            | M           | F           |             |            |
| 1                 | Bacterial and amoebic intestinal infections   | 1           |             | 9           | 10          | 11          | 8           | 20           | 9            | 7           | 5           | 80          | 1.00       |
| 2                 | Viral and other intestinal infections         | 34          | 24          | 40          | 35          | 7           | 4           | 3            | 9            | 3           | 3           | 162         | 2.03       |
| 3                 | Tuberculosis                                  | 3           |             | 3           | 7           | 8           | 8           | 47           | 46           | 24          | 18          | 164         | 2.06       |
| 4                 | Children's diseases                           |             |             | 1           |             | 2           |             | 1            |              |             |             | 4           | 0.05       |
| 5                 | Tonsillitis                                   |             |             |             | 1           | 3           | 8           | 13           | 48           | 1           | 1           | 75          | 0.94       |
| 6                 | Scabies                                       |             |             |             |             |             |             |              |              |             |             | 0           | 0.00       |
| 7                 | Hepatitis                                     | 7           | 6           | 6           | 6           | 5           | 3           | 18           | 11           | 6           | 4           | 72          | 0.90       |
| 8                 | Malaria                                       |             |             | 1           | 4           | 3           |             | 14           | 2            | 3           |             | 27          | 0.34       |
| 9                 | Gonorrhoea                                    |             |             |             |             |             |             |              |              |             |             | 0           | 0.00       |
| 10                | Intestinal worms                              |             |             |             |             |             |             |              |              |             |             | 0           | 0.00       |
| 11                | Other infections                              | 3           | 6           |             | 2           | 4           |             | 4            | 2            | 1           | 1           | 23          | 0.29       |
| 12                | Neoplasms                                     |             |             | 1           |             | 1           | 1           | 53           | 53           | 123         | 114         | 346         | 4.34       |
| 13                | Endocrine, metabolic and nutritional diseases | 2           | 4           | 18          | 20          | 3           | 2           | 15           | 20           | 25          | 29          | 138         | 1.73       |
| 14                | Anaemia                                       | 11          | 8           | 7           | 5           | 5           | 6           | 21           | 50           | 17          | 22          | 152         | 1.91       |
| 15                | Mental disorder                               | 2           | 1           |             | 2           | 2           |             | 28           | 10           | 4           | 5           | 54          | 0.68       |
| 16                | Diseases of the eye                           |             |             | 1           |             | 3           | 1           | 14           | 13           | 72          | 57          | 161         | 2.02       |
| 17                | Diseases of the ear                           | 1           |             |             |             | 2           | 2           | 10           | 5            |             |             | 20          | 0.25       |
| 18                | Diseases of the nervous system                | 10          | 6           | 9           | 7           | 14          | 10          | 59           | 28           | 23          | 23          | 189         | 2.37       |
| 19                | Diseases of the circulatory system            | 3           | 6           | 6           | 3           | 8           | 13          | 100          | 104          | 100         | 70          | 413         | 5.18       |
| 20                | ARI   | 6           | 7           | 2           | 3           | 1           | 1           | 1            | 1            | 1           |             | 23          | 0.29       |
| 21                | Other diseases of the respiratory system      | 148         | 121         | 93          | 71          | 43          | 31          | 94           | 76           | 55          | 50          | 782         | 9.80       |
| 22                | Diseases of the teeth and gum                 |             |             |             |             |             | 1           |              |              |             |             | 1           | 0.01       |
| 23                | Peptic ulcer and gastritis                    | 3           |             | 2           | 1           | 3           |             | 41           | 24           | 21          | 19          | 114         | 1.43       |
| 24                | Other diseases of the digestive system        | 6           | 1           | 29          | 8           | 38          | 17          | 306          | 294          | 116         | 86          | 901         | 11.29      |
| 25                | Diseases of the urinary system                | 4           | 4           | 15          | 6           | 16          | 17          | 59           | 84           | 23          | 23          | 251         | 3.15       |
| 26                | Diseases of male genital organs               |             |             | 6           |             | 11          |             | 22           |              | 12          |             | 51          | 0.64       |
| 27                | Diseases of breast                            |             |             |             |             |             |             |              | 17           |             |             | 17          | 0.21       |
| 28                | Diseases of female genital organs             |             |             |             | 2           |             | 1           |              | 230          |             | 24          | 257         | 3.22       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |             |             |              | 1997         |             | 4           | 2001        | 25.08      |
| 30                | Diseases of the skin                          | 8           | 9           | 11          | 6           | 21          | 7           | 43           | 31           | 21          | 7           | 164         | 2.06       |
| 31                | Diseases of the musculo-skeletal system       | 4           | 5           | 11          | 11          | 73          | 34          | 193          | 65           | 54          | 28          | 478         | 5.99       |
| 32                | Acute abdomen                                 |             |             | 1           |             | 3           | 5           | 19           | 9            | 2           | 3           | 42          | 0.53       |
| 33                | Fever of unknown origin                       | 3           |             | 6           | 5           | 4           | 2           | 2            | 2            |             | 1           | 25          | 0.31       |
| 34                | Headache                                      |             |             |             |             |             |             | 1            | 1            |             | 1           | 3           | 0.04       |
| 35                | Other symptoms and signs                      | 171         | 127         | 26          | 19          | 12          | 7           | 15           | 16           | 8           | 5           | 406         | 5.09       |
| 36                | Injuries                                      | 4           | 2           | 15          | 9           | 26          | 14          | 123          | 163          | 21          | 6           | 383         | 4.80       |
| <b>Total</b>      |   | <b>434</b>  | <b>337</b>  | <b>319</b>  | <b>243</b>  | <b>332</b>  | <b>203</b>  | <b>1339</b>  | <b>3420</b>  | <b>743</b>  | <b>609</b>  | <b>7979</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>5.44</b> | <b>4.22</b> | <b>4.00</b> | <b>3.05</b> | <b>4.16</b> | <b>2.54</b> | <b>16.78</b> | <b>42.86</b> | <b>9.31</b> | <b>7.63</b> | <b>100</b>  |            |

## Hospital morbidity report for Gidakom Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14      |             | 15 - 49      |              | 50 +        |             | Total       | %          |
|-------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|------------|
|                   |   | M           | F           | M           | F           | M           | F           | M            | F            | M           | F           |             |            |
| 1                 | Bacterial and amoebic intestinal infections   | 10          | 7           | 46          | 35          | 24          | 30          | 130          | 68           | 23          | 20          | 393         | 3.95       |
| 2                 | Viral and other intestinal infections         | 41          | 25          | 95          | 104         | 94          | 82          | 186          | 123          | 39          | 21          | 810         | 8.14       |
| 3                 | Tuberculosis                                  |             |             |             |             |             |             | 3            | 2            |             |             | 5           | 0.05       |
| 4                 | Children's diseases                           | 1           |             | 8           | 8           | 17          | 17          | 6            | 10           |             |             | 67          | 0.67       |
| 5                 | Tonsillitis                                   |             |             | 1           | 3           | 19          | 14          | 42           | 30           | 5           | 6           | 120         | 1.21       |
| 6                 | Scabies                                       |             |             | 5           | 6           | 7           | 9           | 10           | 9            |             |             | 46          | 0.46       |
| 7                 | Hepatitis                                     |             | 1           |             |             |             |             | 2            | 2            | 1           |             | 6           | 0.06       |
| 8                 | Malaria                                       |             |             |             |             |             |             | 4            |              |             |             | 4           | 0.04       |
| 9                 | Gonorrhoea                                    |             |             |             |             |             |             | 15           | 10           | 3           |             | 28          | 0.28       |
| 10                | Intestinal worms                              | 2           |             | 9           | 6           | 6           | 10          | 15           | 14           | 3           | 1           | 66          | 0.66       |
| 11                | Other infections                              |             | 1           | 3           | 3           | 5           | 8           | 9            | 9            | 3           | 2           | 43          | 0.43       |
| 12                | Neoplasms                                     |             |             |             |             |             |             |              |              |             |             | 0           | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases | 4           |             | 4           | 9           | 12          | 8           | 31           | 44           | 10          | 4           | 126         | 1.27       |
| 14                | Anaemia                                       |             |             |             |             | 1           | 2           | 5            | 27           | 10          | 11          | 56          | 0.56       |
| 15                | Mental disorder                               |             |             |             |             |             |             | 1            |              |             | 1           | 2           | 0.02       |
| 16                | Diseases of the eye                           | 14          | 7           | 26          | 21          | 46          | 39          | 92           | 109          | 27          | 28          | 409         | 4.11       |
| 17                | Diseases of the ear                           | 7           | 5           | 19          | 23          | 33          | 17          | 23           | 39           | 6           | 4           | 176         | 1.77       |
| 18                | Diseases of the nervous system                |             |             | 1           |             |             | 1           | 7            | 3            | 1           |             | 13          | 0.13       |
| 19                | Diseases of the circulatory system            |             |             | 1           | 2           | 5           | 1           | 22           | 22           | 18          | 16          | 87          | 0.87       |
| 20                | ARI   | 79          | 61          | 193         | 200         | 232         | 260         | 514          | 419          | 67          | 56          | 2081        | 20.91      |
| 21                | Other diseases of the respiratory system      | 19          | 20          | 55          | 44          | 41          | 28          | 123          | 103          | 42          | 29          | 504         | 5.07       |
| 22                | Diseases of the teeth and gum                 |             |             | 11          | 10          | 27          | 25          | 60           | 95           | 23          | 7           | 258         | 2.59       |
| 23                | Peptic ulcer and gastritis                    |             |             | 1           | 2           | 7           | 8           | 92           | 157          | 29          | 23          | 319         | 3.21       |
| 24                | Other diseases of the digestive system        | 4           | 4           | 20          | 24          | 43          | 36          | 115          | 151          | 29          | 13          | 439         | 4.41       |
| 25                | Diseases of the urinary system                | 1           | 1           | 5           | 6           | 4           | 9           | 33           | 78           | 6           | 9           | 152         | 1.53       |
| 26                | Diseases of male genital organs               |             |             | 2           |             | 2           |             | 6            |              |             |             | 10          | 0.10       |
| 27                | Diseases of breast                            |             |             |             |             |             |             |              | 15           |             |             | 15          | 0.15       |
| 28                | Diseases of female genital organs             |             |             |             |             |             |             |              | 47           |             | 1           | 48          | 0.48       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |             |             |              | 85           |             |             | 85          | 0.85       |
| 30                | Diseases of the skin                          | 17          | 18          | 97          | 76          | 174         | 121         | 389          | 266          | 87          | 60          | 1305        | 13.12      |
| 31                | Diseases of the musculo-skeletal system       |             | 1           | 3           | 4           | 19          | 21          | 306          | 259          | 144         | 129         | 886         | 8.90       |
| 32                | Acute abdomen                                 |             |             |             |             |             |             |              |              |             |             | 0           | 0.00       |
| 33                | Fever of unknown origin                       | 7           | 8           | 18          | 13          | 12          | 8           | 38           | 19           | 3           | 3           | 129         | 1.30       |
| 34                | Headache                                      |             |             | 3           | 8           | 39          | 54          | 114          | 238          | 20          | 36          | 512         | 5.15       |
| 35                | Other symptoms and signs                      |             | 1           | 7           | 3           | 8           | 10          | 16           | 95           | 19          | 2           | 161         | 1.62       |
| 36                | Injuries                                      | 2           | 4           | 32          | 21          | 47          | 33          | 278          | 91           | 60          | 21          | 589         | 5.92       |
| <b>Total</b>      |   | <b>208</b>  | <b>164</b>  | <b>665</b>  | <b>631</b>  | <b>924</b>  | <b>851</b>  | <b>2687</b>  | <b>2639</b>  | <b>678</b>  | <b>503</b>  | <b>9950</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>2.09</b> | <b>1.65</b> | <b>6.68</b> | <b>6.34</b> | <b>9.29</b> | <b>8.55</b> | <b>27.01</b> | <b>26.52</b> | <b>6.81</b> | <b>5.06</b> | <b>100</b>  |            |

### Hospital morbidity report for IBFH Thimphu - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 - 49      |              | 50 +         |              | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M            | F            | M            | F            | M            | F            |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 155         | 157         | 134         | 175         | 144          | 154          | 154          | 158          | 192          | 257          | 1680         | 4.33       |
| 2                 | Viral and other intestinal infections         | 92          | 90          | 100         | 103         | 132          | 150          | 132          | 140          | 89           | 79           | 1107         | 2.85       |
| 3                 | Tuberculosis                                  |             |             |             |             |              |              | 20           | 24           | 8            | 10           | 62           | 0.16       |
| 4                 | Children's diseases                           |             | 8           | 24          | 23          | 24           | 26           | 21           | 11           | 3            | 3            | 143          | 0.37       |
| 5                 | Tonsillitis                                   |             |             |             |             | 67           | 47           | 79           | 99           |              |              | 292          | 0.75       |
| 6                 | Scabies                                       |             | 28          | 63          | 82          | 93           | 117          | 91           | 87           | 28           | 32           | 621          | 1.60       |
| 7                 | Hepatitis                                     |             |             |             |             |              | 10           | 16           | 6            |              |              | 32           | 0.08       |
| 8                 | Malaria                                       |             |             |             |             | 2            | 3            | 5            | 1            | 3            |              | 14           | 0.04       |
| 9                 | Gonorrhoea                                    |             |             |             |             |              |              | 260          | 236          | 5            |              | 501          | 1.29       |
| 10                | Intestinal worms                              |             |             | 180         | 157         | 157          | 161          | 115          | 105          | 103          | 78           | 1056         | 2.72       |
| 11                | Other infections                              |             |             | 41          | 58          | 79           | 79           | 66           | 59           | 45           | 47           | 474          | 1.22       |
| 12                | Neoplasms                                     |             |             |             |             |              |              |              |              |              |              | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases |             |             | 201         | 230         | 318          | 336          | 308          | 325          | 251          | 244          | 2213         | 5.70       |
| 14                | Anaemia                                       |             |             |             |             | 305          | 314          | 236          | 225          | 191          | 216          | 1487         | 3.83       |
| 15                | Mental disorder                               |             |             |             |             |              |              | 19           | 15           | 5            | 8            | 47           | 0.12       |
| 16                | Diseases of the eye                           |             |             | 52          | 51          | 75           | 64           | 62           | 51           | 45           | 40           | 440          | 1.13       |
| 17                | Diseases of the ear                           | 16          | 26          | 51          | 55          | 73           | 73           | 98           | 120          | 102          | 81           | 695          | 1.79       |
| 18                | Diseases of the nervous system                |             |             |             | 4           | 8            | 7            | 15           | 3            |              | 5            | 42           | 0.11       |
| 19                | Diseases of the circulatory system            |             |             |             |             | 120          | 130          | 588          | 666          | 818          | 729          | 3051         | 7.86       |
| 20                | ARI   | 355         | 412         | 348         | 475         | 764          | 698          | 745          | 684          | 708          | 744          | 5933         | 15.29      |
| 21                | Other diseases of the respiratory system      | 39          | 104         | 389         | 343         | 344          | 323          | 321          | 372          | 325          | 320          | 2880         | 7.42       |
| 22                | Diseases of the teeth and gum                 |             |             | 59          | 92          | 145          | 151          | 521          | 483          | 652          | 449          | 2552         | 6.58       |
| 23                | Peptic ulcer and gastritis                    |             |             | 11          | 23          | 140          | 201          | 354          | 354          | 370          | 319          | 1772         | 4.57       |
| 24                | Other diseases of the digestive system        |             |             |             | 17          | 146          | 156          | 240          | 190          | 197          | 206          | 1152         | 2.97       |
| 25                | Diseases of the urinary system                |             |             |             |             | 73           | 91           | 131          | 157          | 125          | 163          | 740          | 1.91       |
| 26                | Diseases of male genital organs               |             |             |             |             | 19           |              | 34           |              | 12           |              | 65           | 0.17       |
| 27                | Diseases of breast                            |             |             |             |             |              |              |              | 35           |              | 26           | 61           | 0.16       |
| 28                | Diseases of female genital organs             |             |             |             |             |              | 6            |              | 377          |              | 277          | 660          | 1.70       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |              |              |              |              |              |              | 0            | 0.00       |
| 30                | Diseases of the skin                          | 124         | 139         | 147         | 168         | 165          | 178          | 168          | 182          | 156          | 137          | 1564         | 4.03       |
| 31                | Diseases of the musculo-skeletal system       |             |             |             |             |              |              | 185          | 190          | 220          | 221          | 816          | 2.10       |
| 32                | Acute abdomen                                 | 1           | 2           | 81          | 144         | 147          | 157          | 160          | 194          | 148          | 129          | 1163         | 3.00       |
| 33                | Fever of unknown origin                       |             |             |             |             |              |              | 48           | 35           |              |              | 83           | 0.21       |
| 34                | Headache                                      |             |             |             |             | 209          | 173          | 264          | 289          | 233          | 291          | 1459         | 3.76       |
| 35                | Other symptoms and signs                      | 135         | 142         | 180         | 222         | 158          | 156          | 361          | 383          | 382          | 411          | 2530         | 6.52       |
| 36                | Injuries                                      |             |             | 21          | 146         | 256          | 189          | 236          | 213          | 200          | 150          | 1411         | 3.64       |
| <b>Total</b>      |   | <b>917</b>  | <b>1108</b> | <b>2082</b> | <b>2568</b> | <b>4163</b>  | <b>4150</b>  | <b>6053</b>  | <b>6469</b>  | <b>5616</b>  | <b>5672</b>  | <b>38798</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>2.36</b> | <b>2.86</b> | <b>5.37</b> | <b>6.62</b> | <b>10.73</b> | <b>10.70</b> | <b>15.60</b> | <b>16.67</b> | <b>14.47</b> | <b>14.62</b> | <b>100</b>   |            |

## Hospital morbidity report for Trongsa Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12   |             | 1 - 4       |             | 5 - 14       |              | 15 - 49      |              | 50 +        |             | Total        | %          |
|-------------------|---|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|-------------|-------------|--------------|------------|
|                   |   | M           | F           | M           | F           | M            | F            | M            | F            | M           | F           |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 7           | 21          | 33          | 26          | 63           | 64           | 162          | 74           | 11          | 11          | 472          | 3.81       |
| 2                 | Viral and other intestinal infections         | 16          | 30          | 60          | 58          | 213          | 171          | 169          | 90           | 22          | 15          | 844          | 6.82       |
| 3                 | Tuberculosis                                  |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 4                 | Children's diseases                           | 1           | 2           | 14          | 8           | 77           | 78           | 10           | 18           |             |             | 208          | 1.68       |
| 5                 | Tonsillitis                                   | 1           |             | 2           | 3           | 23           | 22           | 39           | 58           | 5           | 3           | 156          | 1.26       |
| 6                 | Scabies                                       |             |             | 1           |             | 1            | 1            |              | 2            |             |             | 5            | 0.04       |
| 7                 | Hepatitis                                     |             |             |             |             |              | 1            | 6            | 1            |             |             | 8            | 0.06       |
| 8                 | Malaria                                       |             |             |             |             | 1            |              | 7            | 1            |             |             | 9            | 0.07       |
| 9                 | Gonorrhoea                                    |             |             |             |             |              |              | 27           | 6            |             |             | 33           | 0.27       |
| 10                | Intestinal worms                              |             |             | 3           |             | 11           | 1            | 7            | 6            | 1           | 3           | 32           | 0.26       |
| 11                | Other infections                              | 5           | 9           | 50          | 36          | 120          | 74           | 137          | 88           | 11          | 16          | 546          | 4.41       |
| 12                | Neoplasms                                     |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases |             | 1           | 3           | 1           | 7            | 8            | 53           | 48           | 12          | 5           | 138          | 1.11       |
| 14                | Anaemia                                       |             |             | 3           |             | 4            | 2            | 20           | 85           | 11          | 9           | 134          | 1.08       |
| 15                | Mental disorder                               |             |             |             |             |              |              | 2            |              |             |             | 2            | 0.02       |
| 16                | Diseases of the eye                           | 10          | 17          | 14          | 22          | 43           | 53           | 183          | 182          | 39          | 64          | 627          | 5.07       |
| 17                | Diseases of the ear                           | 7           | 8           | 23          | 6           | 71           | 39           | 57           | 77           | 12          | 8           | 308          | 2.49       |
| 18                | Diseases of the nervous system                |             |             |             |             | 3            | 4            | 5            | 4            | 1           |             | 17           | 0.14       |
| 19                | Diseases of the circulatory system            |             |             |             |             | 2            | 4            | 41           | 28           | 34          | 41          | 150          | 1.21       |
| 20                | ARI   | 82          | 58          | 160         | 109         | 373          | 390          | 784          | 567          | 69          | 69          | 2661         | 21.50      |
| 21                | Other diseases of the respiratory system      | 16          | 13          | 31          | 19          | 7            | 17           | 45           | 51           | 13          | 23          | 235          | 1.90       |
| 22                | Diseases of the teeth and gum                 |             |             | 5           | 5           | 78           | 65           | 225          | 266          | 37          | 50          | 731          | 5.91       |
| 23                | Peptic ulcer and gastritis                    | 1           |             | 1           | 3           | 38           | 40           | 378          | 392          | 75          | 91          | 1019         | 8.23       |
| 24                | Other diseases of the digestive system        | 5           | 5           | 10          | 10          | 27           | 16           | 60           | 50           | 7           | 5           | 195          | 1.58       |
| 25                | Diseases of the urinary system                |             | 1           | 8           | 1           | 10           | 9            | 70           | 134          | 11          | 5           | 249          | 2.01       |
| 26                | Diseases of male genital organs               |             |             |             |             |              |              | 4            |              |             |             | 4            | 0.03       |
| 27                | Diseases of breast                            |             |             |             |             |              |              |              | 31           |             | 1           | 32           | 0.26       |
| 28                | Diseases of female genital organs             |             |             |             |             |              |              |              | 46           |             |             | 46           | 0.37       |
| 29                | Pregnancy, childbirth and the puerperium      |             |             |             |             |              |              |              | 1            |             |             | 1            | 0.01       |
| 30                | Diseases of the skin                          | 29          | 23          | 59          | 48          | 288          | 180          | 441          | 267          | 78          | 35          | 1448         | 11.70      |
| 31                | Diseases of the musculo-skeletal system       |             |             | 1           | 2           | 22           | 16           | 266          | 206          | 42          | 59          | 614          | 4.96       |
| 32                | Acute abdomen                                 |             |             |             |             |              |              |              |              |             |             | 0            | 0.00       |
| 33                | Fever of unknown origin                       | 2           | 4           | 5           | 6           | 11           | 20           | 60           | 40           | 5           | 11          | 164          | 1.33       |
| 34                | Headache                                      |             |             | 4           | 2           | 87           | 67           | 205          | 257          | 36          | 42          | 700          | 5.66       |
| 35                | Other symptoms and signs                      |             | 1           | 2           | 3           | 10           | 7            | 22           | 26           | 4           | 6           | 81           | 0.65       |
| 36                | Injuries                                      | 1           |             | 19          | 13          | 78           | 46           | 245          | 73           | 18          | 15          | 508          | 4.10       |
| <b>Total</b>      |   | <b>183</b>  | <b>193</b>  | <b>511</b>  | <b>381</b>  | <b>1668</b>  | <b>1395</b>  | <b>3730</b>  | <b>3175</b>  | <b>554</b>  | <b>587</b>  | <b>12377</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>1.48</b> | <b>1.56</b> | <b>4.13</b> | <b>3.08</b> | <b>13.48</b> | <b>11.27</b> | <b>30.14</b> | <b>25.65</b> | <b>4.48</b> | <b>4.74</b> | <b>100</b>   |            |

## Hospital morbidity report for Tashi Yangtse Hospital - 2001

| Sl. No            | Diseases                                      | 0 - 11/12     |             | 1 - 4       |             | 5 - 14       |              | 15 - 49      |              | 50 +         |             | Total       | %          |
|-------------------|---|---------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|------------|
|                   |   | M             | F           | M           | F           | M            | F            | M            | F            | M            | F           |             |            |
| 1                 | Bacterial and amoebic intestinal infections   | 10            | 23          | 54          | 46          | 121          | 92           | 223          | 146          | 33           | 29          | 777         | 9.45       |
| 2                 | Viral and other intestinal infections         | 11            | 27          | 217         | 33          | 87           | 75           | 104          | 47           | 15           | 6           | 622         | 7.57       |
| 3                 | Tuberculosis                                  |               |             |             |             | 1            | 2            | 1            |              |              |             | 4           | 0.05       |
| 4                 | Children's diseases                           | 1             | 4           | 6           | 16          | 56           | 54           | 5            | 16           | 1            | 2           | 161         | 1.96       |
| 5                 | Tonsillitis                                   |               | 1           |             |             | 8            | 10           | 16           | 18           |              | 1           | 54          | 0.66       |
| 6                 | Scabies                                       |               |             | 2           | 1           | 9            | 4            | 11           | 4            | 2            |             | 33          | 0.40       |
| 7                 | Hepatitis                                     |               |             | 1           | 1           | 10           | 6            | 38           | 25           | 3            | 1           | 85          | 1.03       |
| 8                 | Malaria                                       |               |             |             |             |              |              | 2            |              |              |             | 2           | 0.02       |
| 9                 | Gonorrhoea                                    |               |             |             |             |              |              | 8            | 4            |              |             | 12          | 0.15       |
| 10                | Intestinal worms                              |               | 1           | 13          | 16          | 55           | 60           | 63           | 50           | 13           | 4           | 275         | 3.35       |
| 11                | Other infections                              |               |             |             |             | 2            | 4            | 4            | 5            | 1            | 1           | 17          | 0.21       |
| 12                | Neoplasms                                     |               |             |             |             |              |              |              |              |              |             | 0           | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases |               |             | 1           |             | 2            | 3            | 12           | 8            |              |             | 26          | 0.32       |
| 14                | Anaemia                                       |               |             |             |             |              | 1            | 1            | 16           | 2            | 1           | 21          | 0.26       |
| 15                | Mental disorder                               |               |             |             |             |              |              | 1            |              | 2            | 2           | 5           | 0.06       |
| 16                | Diseases of the eye                           | 10            | 3           | 9           | 13          | 18           | 48           | 102          | 107          | 46           | 42          | 398         | 4.84       |
| 17                | Diseases of the ear                           | 7             | 5           | 15          | 9           | 32           | 33           | 38           | 37           | 8            | 5           | 189         | 2.30       |
| 18                | Diseases of the nervous system                | 1             |             | 1           |             | 6            | 4            | 10           | 13           | 4            |             | 39          | 0.47       |
| 19                | Diseases of the circulatory system            |               |             |             |             | 2            |              | 32           | 33           | 22           | 32          | 121         | 1.47       |
| 20                | ARI   | 45            | 53          | 91          | 106         | 130          | 234          | 440          | 360          | 158          | 69          | 1686        | 20.51      |
| 21                | Other diseases of the respiratory system      | 15            | 14          | 29          | 30          | 49           | 49           | 106          | 83           | 25           | 30          | 430         | 5.23       |
| 22                | Diseases of the teeth and gum                 | 4             | 2           | 8           | 7           | 29           | 28           | 120          | 115          | 25           | 17          | 355         | 4.32       |
| 23                | Peptic ulcer and gastritis                    |               |             | 2           | 6           | 24           | 33           | 184          | 153          | 17           | 26          | 445         | 5.41       |
| 24                | Other diseases of the digestive system        |               |             | 2           | 1           | 4            | 6            | 24           | 16           | 2            | 13          | 68          | 0.83       |
| 25                | Diseases of the urinary system                |               |             | 2           |             | 1            | 4            | 10           | 45           | 1            | 3           | 66          | 0.80       |
| 26                | Diseases of male genital organs               |               |             |             |             | 2            |              | 6            |              |              |             | 8           | 0.10       |
| 27                | Diseases of breast                            |               |             |             |             |              |              |              | 9            |              |             | 9           | 0.11       |
| 28                | Diseases of female genital organs             |               |             |             |             |              |              |              | 9            |              |             | 9           | 0.11       |
| 29                | Pregnancy, childbirth and the puerperium      |               |             |             |             |              |              |              | 30           |              |             | 30          | 0.37       |
| 30                | Diseases of the skin                          | 28            | 17          | 83          | 78          | 164          | 173          | 343          | 214          | 36           | 32          | 1168        | 14.21      |
| 31                | Diseases of the musculo-skeletal system       |               |             |             |             | 5            | 1            | 95           | 35           | 19           | 17          | 172         | 2.09       |
| 32                | Acute abdomen                                 |               |             | 1           |             |              |              | 4            | 3            |              |             | 8           | 0.10       |
| 33                | Fever of unknown origin                       |               | 1           |             |             | 2            |              |              |              | 2            |             | 5           | 0.06       |
| 34                | Headache                                      |               |             | 2           |             | 24           | 38           | 139          | 140          | 24           | 22          | 389         | 4.73       |
| 35                | Other symptoms and signs                      | 1             | 1           | 3           | 2           | 10           | 19           | 79           | 84           | 19           | 22          | 240         | 2.92       |
| 36                | Injuries                                      |               | 1           | 10          | 5           | 25           | 20           | 150          | 46           | 22           | 11          | 290         | 3.53       |
| <b>Total</b>      |   | <b>133</b>    | <b>153</b>  | <b>552</b>  | <b>370</b>  | <b>878</b>   | <b>1001</b>  | <b>2371</b>  | <b>1871</b>  | <b>502</b>   | <b>388</b>  | <b>8219</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>1.6182</b> | <b>1.86</b> | <b>6.72</b> | <b>4.50</b> | <b>10.68</b> | <b>12.18</b> | <b>28.85</b> | <b>22.76</b> | <b>6.108</b> | <b>4.72</b> | <b>100</b>  |            |

### Hospital morbidity report for Bajo BHU Gr - I, 2001

| Sl. No            | Diseases                                      | 0 - 11/12     |             | 1 - 4       |             | 5 - 14      |              | 15 - 49      |              | 50 +         |              | Total        | %          |
|-------------------|---|---------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|
|                   |   | M             | F           | M           | F           | M           | F            | M            | F            | M            | F            |              |            |
| 1                 | Bacterial and amoebic intestinal infections   | 35            | 65          | 121         | 93          | 132         | 148          | 210          | 178          | 112          | 94           | 1188         | 7.13       |
| 2                 | Viral and other intestinal infections         | 101           | 104         | 172         | 177         | 166         | 218          | 291          | 271          | 137          | 141          | 1778         | 10.67      |
| 3                 | Tuberculosis                                  |               |             |             |             |             |              | 2            | 1            |              |              | 3            | 0.02       |
| 4                 | Children's diseases                           | 2             | 5           | 19          | 23          | 25          | 18           | 20           | 2            | 1            |              | 115          | 0.69       |
| 5                 | Tonsillitis                                   |               |             |             | 10          | 47          | 37           | 56           | 69           | 26           | 32           | 277          | 1.66       |
| 6                 | Scabies                                       | 4             | 8           | 22          | 25          | 25          | 32           | 50           | 26           | 21           | 10           | 223          | 1.34       |
| 7                 | Hepatitis                                     | 1             |             | 3           | 1           | 4           | 5            | 4            | 1            | 1            |              | 20           | 0.12       |
| 8                 | Malaria                                       |               |             |             |             | 2           |              | 7            | 1            |              |              | 10           | 0.06       |
| 9                 | Gonorrhoea                                    |               |             |             |             |             |              | 24           | 19           | 4            |              | 47           | 0.28       |
| 10                | Intestinal worms                              |               |             | 19          | 25          | 56          | 56           | 58           | 58           | 28           | 23           | 323          | 1.94       |
| 11                | Other infections                              |               |             | 9           | 10          | 10          | 13           | 26           | 23           | 4            |              | 95           | 0.57       |
| 12                | Neoplasms                                     |               |             |             |             |             |              |              |              |              |              | 0            | 0.00       |
| 13                | Endocrine, metabolic and nutritional diseases | 2             | 3           | 13          | 21          | 32          | 37           | 34           | 45           | 18           | 8            | 213          | 1.28       |
| 14                | Anaemia                                       |               |             |             | 2           | 9           | 10           | 15           | 53           | 14           | 20           | 123          | 0.74       |
| 15                | Mental disorder                               |               |             |             |             |             |              | 2            | 4            |              |              | 6            | 0.04       |
| 16                | Diseases of the eye                           | 15            | 14          | 36          | 28          | 70          | 84           | 102          | 111          | 101          | 88           | 649          | 3.89       |
| 17                | Diseases of the ear                           | 31            | 37          | 54          | 51          | 52          | 62           | 53           | 65           | 16           | 12           | 433          | 2.60       |
| 18                | Diseases of the nervous system                |               |             | 2           | 1           | 1           | 7            | 11           | 14           | 2            | 1            | 39           | 0.23       |
| 19                | Diseases of the circulatory system            |               |             |             |             | 7           | 9            | 83           | 117          | 93           | 77           | 386          | 2.32       |
| 20                | ARI   | 94            | 116         | 188         | 168         | 234         | 240          | 488          | 539          | 241          | 233          | 2541         | 15.24      |
| 21                | Other diseases of the respiratory system      | 23            | 29          | 56          | 65          | 39          | 69           | 62           | 65           | 36           | 38           | 482          | 2.89       |
| 22                | Diseases of the teeth and gum                 |               |             | 8           | 16          | 32          | 47           | 92           | 86           | 83           | 85           | 449          | 2.69       |
| 23                | Peptic ulcer and gastritis                    | 2             |             | 22          | 36          | 137         | 117          | 401          | 439          | 255          | 304          | 1713         | 10.28      |
| 24                | Other diseases of the digestive system        | 1             | 1           |             | 2           | 8           | 13           | 33           | 32           | 13           | 10           | 113          | 0.68       |
| 25                | Diseases of the urinary system                |               |             | 7           | 10          | 17          | 32           | 62           | 132          | 51           | 75           | 386          | 2.32       |
| 26                | Diseases of male genital organs               |               |             | 2           |             | 1           |              | 14           |              | 10           |              | 27           | 0.16       |
| 27                | Diseases of breast                            |               |             |             |             |             | 3            |              | 25           |              |              | 28           | 0.17       |
| 28                | Diseases of female genital organs             |               |             |             |             |             | 6            |              | 102          |              | 9            | 117          | 0.70       |
| 29                | Pregnancy, childbirth and the puerperium      |               |             |             |             |             |              |              | 78           |              |              | 78           | 0.47       |
| 30                | Diseases of the skin                          | 88            | 106         | 181         | 186         | 275         | 271          | 390          | 394          | 218          | 230          | 2339         | 14.03      |
| 31                | Diseases of the musculo-skeletal system       |               |             |             | 5           | 13          | 41           | 169          | 202          | 142          | 130          | 702          | 4.21       |
| 32                | Acute abdomen                                 |               |             |             |             |             |              |              |              |              |              | 0            | 0.00       |
| 33                | Fever of unknown origin                       |               |             |             |             |             |              | 1            |              |              |              | 1            | 0.01       |
| 34                | Headache                                      |               |             | 16          | 35          | 69          | 81           | 164          | 220          | 150          | 152          | 887          | 5.32       |
| 35                | Other symptoms and signs                      |               | 2           | 2           | 3           | 1           |              | 1            | 8            | 2            | 2            | 21           | 0.13       |
| 36                | Injuries                                      | 5             | 25          | 43          | 53          | 72          | 94           | 228          | 130          | 131          | 75           | 856          | 5.14       |
| <b>Total</b>      |   | <b>404</b>    | <b>515</b>  | <b>995</b>  | <b>1046</b> | <b>1536</b> | <b>1750</b>  | <b>3153</b>  | <b>3510</b>  | <b>1910</b>  | <b>1849</b>  | <b>16668</b> | <b>100</b> |
| <b>Percentage</b> |   | <b>2.4238</b> | <b>3.09</b> | <b>5.97</b> | <b>6.28</b> | <b>9.22</b> | <b>10.50</b> | <b>18.92</b> | <b>21.06</b> | <b>11.46</b> | <b>11.09</b> | <b>100</b>   |            |

## ABBREVIATIONS

|       |   |   |
|-------|---|---|
| ARI   | - | Acute Respiratory Infection                                       |
| ANM   | - | Auxilliary Nurse Midwife  |
| AN    | - | Assistant Nurse   |
| ANC   | - | Antenatal Clinic  |
| AIDS  | - | Acquired Immuno Deficiency Syndrome                               |
| ABER  | - | Annual Blood smear Examination Rate                               |
| API   | - | Annual Parasite Incidence   |
| APH   | - | Ante-partum Haemorrhage   |
| ASCUS | - | Atypical squamous cells of undetermined significance              |
| AGUS  | - | Atypical grandular cells of undetermined significance             |
| AEFI  | - | Adverse Events Following Immunization                             |
| AFP   | - | Acute Flaccid Paralysis   |
| ACO   | - | Assistant Clinical Officer  |
| BHU   | - | Basic Health Units  |
| BSC   | - | Blood Slide Collection  |
| BCG   | - | Bacili Callmal Gurrina  |
| BHW   | - | Basic Health Worker   |
| BV    | - | Bacterial Vaginalis   |
| CPR   | - | Contraceptive Prevalence Rate                                     |
| CBR   | - | Community Based Rehabilitation programme                          |
| CDD   | - | Control of Diarrhoeal Diseases                                    |
| COPD  | - | Corpulmonary Disease  |
| DMO   | - | District Medical Officer  |
| DHSO  | - | District Health Supervisory Officer                               |
| DPT   | - | Diphtheria, Pertussis and Tetanus                                 |
| DMPA  | - | Depomedroxyprogesterone acetate                                   |
| DOTS  | - | Direct Observation Treatment Services                             |
| ECCD  | - | Early Child Care & Development                                    |
| ENT   | - | Ear, Nose and Throat  |
| EPI   | - | Expanded Programme on Immunization                                |
| EmOC  | - | Emergency Obstretic Care  |
| FYP   | - | Five Year Plan  |
| GNM   | - | General Nurse Midwife   |
| GDMO  | - | General Duty Medical Officer                                      |
| HA    | - | Health Assistant  |
| HIU   | - | Health Information Unit   |
| HMIS  | - | Health Management Information System                              |
| HFA   | - | Health For All  |
| HIV   | - | Human Immuno Virus  |
| HPV   | - | Human Papilloma Virus infection                                   |
| HERM  | - | Health Equipment Repair and Maintenance                           |
| HSIL  | - | High grade squamous intraepithelial lesion CH-II,CNIII ca-in-situ |
| IDD   | - | Iodine Deficiency Diseases  |
| IECH  | - | Information, Education and Communication for Health               |

|         |   |   |
|---------|---|---|
| IMCI    | - | Integrated Management of Childhood Illness            |
| IMR     | - | Infant Mortality Rate                                 |
| ITMS    | - | Indigenous Traditional Medicine Services              |
| IUD     | - | Intrauterine Device                                   |
| ITBN    | - | Insecticide Treated Bed Net                           |
| IRS     | - | Indoor Residual Spray                                 |
| JDW NRH | - | Jigme Dorji Wangchuck National Referral Hospital      |
| LSIL    | - | Low grade squamous intraepithelial/koilocytosis CIN-I |
| MCH     | - | Maternal and Child Health                             |
| MDT     | - | Multi Drug Therapy                                    |
| MOHE    | - | Ministry of Health and Education                      |
| MMR     | - | Maternal Mortality Ratio                              |
| MTP     | - | Medium Term Plan                                      |
| NMEP    | - | National Malaria Eradication Programme                |
| NMCP    | - | National Malaria Control Programme                    |
| NIFH    | - | National Institute of Family Health                   |
| NID     | - | National Immunization Days                            |
| NTCP    | - | National Tuberculosis Control Programme               |
| OCP     | - | Oral Contraceptive                                    |
| ORC     | - | Outreach Clinics                                      |
| ORT     | - | Oral Rehydration Therapy                              |
| OPD     | - | Outpatient Department                                 |
| OPV     | - | Oral Polio Vaccine                                    |
| PHD     | - | Public Health Division                                |
| PHC     | - | Primary Health Care                                   |
| PNC     | - | Post-natal Clinic                                     |
| PPH     | - | Postpartum Haemorrhage                                |
| PUS     | - | Peptic Ulcer Syndrome                                 |
| PUO     | - | Pyrexia of Unknown Origin                             |
| PTT     | - | Physiotherapy Technician                              |
| PPH     | - | Post-partum Haemorrhage                               |
| PPD     | - | Policy and Planning Division                          |
| RIHS    | - | Royal Institute of Health Sciences                    |
| RHU     | - | Reproductive Health Unit                              |
| RDT     | - | Rapid Diagnostic Test                                 |
| RBM     | - | Roll Back Malaria initiative                          |
| SNID    | - | Sub-national Immunization Days                        |
| STD     | - | Sexually Transmitted Diseases                         |
| STP     | - | Short Term Plan                                       |
| STI     | - | Sexually Transmitted Infection                        |
| SPR     | - | Slide Positivity Rate                                 |
| TT      | - | Tetanus Toxoid  |
| TPF     | - | Total Plasmodium Falciparum                           |
| TV      | - | Trichomonas Vaginalis                                 |
| VHW     | - | Village Health Worker                                 |
| VCT     | - | Voluntary counseling & testing                        |
| VO      | - | Vasectomy Operation                                   |