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GOVERNMENT OF KARNATAKA

**REPORT
ON
MEDICAL CERTIFICATION OF
CAUSE OF DEATH
2004**



**Office of the Chief Registrar of Births & Deaths
and
Directorate of Economics & Statistics
Bangalore**

PREFACE

Statistics is an important tool in decision-taking and evolving long term policy in the plan formulations. For the latter, proper documentation, preservation and dissemination of information should be continuous and adequate. Mortality Statistics can serve both the purposes. The Scheme of Medical Certification of Cause of Death is a very reliable source of Mortality Statistics and a tool to determine the causes of death by qualified persons with sufficient knowledge about ailments of the deceased. This scheme has been inter-woven into the Civil Registration System with the long term perspective plan of covering all the events of deaths as and when infrastructure matches with the workload.

To begin, with the scheme was restricted to teaching, district and specialized hospitals and later has been extended to cities with a population of more than one lakh and bed strength of 20 & above, in Karnataka. Further, the Registrar General of India has envisaged its implementation in all the Government as well as private Hospitals and Nursing Homes in urban and rural areas of the state.

The data flowing from this report is the 24th in series providing cause profile of mortality mostly in urban parts of the State. Interest and response shown in the scheme by authorities of 946 hospitals was laudable. My sincere gratitude to all those closely associated with this study. Their continued co-operation will be a strength in this endeavour.

The Data was processed in the Division dealing with Civil Registration, National Sample Survey and Local Bodies Statistics.

Suggestions for improvement are most welcome.

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MEDICAL CERTIFICATION OF CAUSES OF DEATH-2004

Introduction

New types of killer diseases are raising their ugly heads and ringing warning bells. These are Cancer, Aids, and Heart Diseases, Juvenile diabetics, non-communicable diseases, etc. Medical research is facing stiff challenges from the spread of a variety of ailments. For tackling these issues, good documentation of information on the causes of death is indispensable. Recognising this fact and in order to draw the profile of different natural and man made causes of death, the International Community of Medical Professionals, under the aegis of World Health Organisation, have codified most of the diseases labelling them “International Classification of Diseases”.

This International Classification of Diseases is customized to the Indian conditions under the scheme of **Medical Certification of Causes of Death**. Important demographic indicators like Infant Mortality Rate, Maternal Mortality Rate & Child Mortality Rate can be derived from this.

This report is based on the tenth revision of International Classification of Diseases. The prescribed Form No 4 (Annexure) has to be carefully filled by the physician who examines/attends/treats the deceased during the period of his/her last illness. This form, which clearly spells out the various causes of death is the pivot of this survey results.

1.1. Provision in the Registration of Births & Deaths Act, 1969.

This Act contains a section regarding compulsory Medical Certification. Section 10(3) of the Act (given below) read with Rule (7) of the Karnataka Registration of Births & Deaths Rules, 1999 have made a provision for this. These together enable the State to obtain from the medical practitioner/physician who attended the deceased during his/her last illness, a certificate, free of cost, as to **the underlying & immediate causes of death**.

Section 10(3) of the RBD Act, 1969: “Where the State Government as required under Sub-Section (2) that a certificate as to the cause of death shall be obtained, in the event of the death of any person who, during his/her last illness, was attended by a medical practitioner, the medical practitioner shall, after the death of that person, forthwith issue without any fee, to the person required under this Act to give information concerning the death, a certificate in the prescribed form stating to the best of his knowledge & belief the cause of death; & the

certificate shall be received & delivered by such person to the Registrar at the time of giving information concerning the death as required by this Act”. The Act has also **a clause incorporated for maintaining confidentiality of the information on cause of deaths, available in the registration records.** With Karnataka Registration of Births and Deaths Rules, 1970 being replaced by Karnataka Registration of Births and Deaths Rules, 1999, Form 8 has been replaced by Form 4.

1.2 Meaning & scope of cause of death

The term “cause of death” has been defined as to go back to the root/underlying cause. It is “the morbid condition to which can be traced the sequence of events ultimately resulting in death”. It is this underlying cause which is the key element, particularly, if a number of ailments had affected the deceased prior to his death. The form prescribed for certification has two parts, part-1, for recording the diseases suffered by the deceased in a specific sequence to facilitate segregation of the underlying cause from the immediate cause and part-2 for other significant morbid conditions, even, if they were not responsible for the death (Annexure). The report of the inquesting authorities is given preference in case of unnatural deaths leading to medico-legal cases.

2. Objectives

The objectives of the scheme are:

- (i) To obtain mortality profile by causes, age & sex.
- (ii) To study external/unnatural causes.
- (iii) To study causes of infant & maternal mortality.

3. Coverage

For the first time, in 1967, the scheme was introduced in 44 hospitals. It was extended to 168 hospitals by 1990. 352 hospitals with a bed-strength of 20 or more in towns & cities with a lakh or more population (as per 1981 census) were covered in 1991. This expansion was taken up as per the recommendations of the workshop on “Statistics of Cause of Death” held during 1986 at New Delhi. In the next phase of coverage as per suggestion of the Registrar General of India, the scheme has been implemented in all the Government Hospitals and all Private Hospitals, Nursing Homes in urban areas of the state. By 2004, 946 hospitals have been brought in compared to 901 in 2003, an increase of 5.00 per cent. The scheme’s ambit is confined mostly to institutional deaths. Though the sample is

representative, sweeping generalisations are not recommended, since a large number of rural events remain outside the ambit of the survey.

The National list for tabulation of Morbidity and Mortality based on the Tenth revision of International Classification of Diseases (ICD-10), 1999 has been adopted. In this list 20 Major groups, 69 categories and 193 sub-categories of causes have been identified. However, only 19 Major groups were considered, as the twentieth group Viz., External causes of morbidity and mortality permits the classification of environmental events and circumstances as the cause of injury, poisoning and other adverse effects.

4. Limitations of the Civil Registration System

The registration of deaths based on the returns (institutional and medical attention other than institution confined to urban areas) received during 2004 was 72.72 per cent of the number of deaths (1,12,409) in the state. Moreover, adequate infrastructure is not available in rural areas for implementing the scheme. Even among the deaths reported, causes are not always mentioned. Overcoming these limitations, attempts have been made to attain the objectives. The district wise classification is based on the “Usual residence of the deceased and not on the basis of place of the deceased’s last admission/treatment”.

5. Flow of data and processing

The certificates cause(s) of death certified by the doctors were sent in the prescribed Form (No 4) directly from the selected institutions on a monthly basis to this Directorate. They were scrutinised & coded as per the International Classification of Diseases, 10th Revision & Table-8 derived as per the national list prescribed/designed by the Registrar General, India. Data was processed at the in house computer centre of the CNL Division of the Directorate.

The report contains 10 tables. Table 1 presents number of hospitals covered by type and bed strength. Table 2 gives districtwise and sexwise deaths. In Table 3, number of medically certified deaths in major cause groups (according to ICD-10) by sex. Table 4 gives a picture of principal causes of deaths along with the percentage distribution in the descending order. Table 5 depicts the number of deaths by age and sex. Table 6 provides leading causes of infant deaths by sex in the descending order. Table 7 is a depiction of leading causes of maternal deaths (in a descending order). Table 8 gives the number of deaths due to individual diseases cross classified by age group and sex and in Table 9 a time series data on the percentage distribution of seven most leading major causes of deaths for the last

12 years have been drawn. Data users are advised to keep in mind the incomplete coverage of deaths by the medical certification under the civil registration system and as such be cautious in deducing the mortality pattern based on information in this table. Table 10 presents a time series data on medical certification of cause of death for the years 1993 to 2004.

Based on the information of these tables, important findings are narrated in the following paragraphs.

6. Important Findings.

6.1 DISTRIBUTION OF HOSPITALS COVERED BY CATEGORY & BED-STRENGTH (*Table – 1*).

- Out of 946 hospitals, the category wise coverage was; General hospitals 65.75 per cent, Maternity homes and Paediatric centres 23.68 per cent, Teaching hospitals 3.28 per cent followed by Specialised 2.85 per cent and Tuberculosis hospitals, 1.06 per cent.
- Hospitals with bed-strength less than 100 have the largest share of 78.54 per cent and the least share of 0.53 per cent was those of with bed-strength 401-500. Percentage shares of hospitals with bed-strength 101-200, 201-300, 301-400 and more than 500 was 3.91, 2.22, 1.06 and 2.22 respectively.

6.2 DISTRICTWISE AND SEXWISE DISTRIBUTION OF DEATHS (*Table – 2*).

- Total number of deaths reported are 81745 of which deaths of males are 52467 (64.18 per cent) and of females 29278 (35.82 per cent)
- 370 hospitals of Bangalore (urban) district had reported 27062 deaths covering 39.11 per cent of total hospitals and 33.11 per cent of total deaths.
- Dakshina Kannada has the second highest number of hospitals covered with 71 numbers and 7538 deaths.
- Less than five hundred deaths were occurred in the districts of Bangalore (Rural), Chamarajanagar and Koppal.

6.3 Deaths by major cause groups (*Table – 3*).

- For a consistently long period of time, four major cause groups have been on the top of the killer list. They are (1) “Diseases of the Circulatory system” (2) “Certain Infectious and parasitic diseases” (3) “Injury, poisoning and certain other Consequences of External Causes” and (4). “Certain Conditions Originating in the Perinatal Period”

- **“Diseases of the Circulatory system”** has been topping the list with 25.65 per cent deaths. It claimed 20964 deaths out of the total of 81745.
- **“Certain Infectious & parasitic diseases”** accounted for 10007 deaths (12.24 per cent).
- **“Injury, poisoning and certain other Consequences of External Causes”** caused 9386 deaths (11.48 per cent).
- **“Certain Conditions originating in the Perinatal Period”**, a group affecting only the new born or those who are less than one year old has claimed 7802 deaths (9.54 per cent). This reflects on the kind of nourishment, the child and the mother get in the prenatal period.
- The above four major causes were responsible for as many as 58.91 per cent of the total deaths.
- Other important groups in the descending order were; “Diseases of the Digestive System” (6.45 per cent), “Endocrine, nutritional & metabolic diseases” (6.29 per cent), “Neoplasms” (6.20 per cent), “Diseases of the Respiratory System” (5.43 per cent), “Symptoms, signs and Abnormal Clinical and laboratory findings not elsewhere classified” (5.06 per cent), and rest of other groups were responsible for less than 5 per cent of the total deaths. (“Diseases of the Nervous system” (3.48 per cent), “Diseases of the Genito-urinary system” (2.62 per cent), “Diseases of the Blood & Blood forming organs and certain disorders involving the immune mechanism” (2.13 per cent), “Pregnancy, Childbirth & puerperium” (1.05 per cent), “Congenital Malformations, Deformations & Chromosomal Abnormalities” (1.02 per cent), “Diseases of the Skin & Subcutaneous Tissue” (0.74 per cent), “Mental & Behavioural disorders” (0.49 per cent), “Diseases of the Musculo skeletal system & connective tissue” (0.45 per cent), “Diseases of the Eye and Adnexa” (0.01 per cent) and “Diseases of the Ear and Mastoid process).

6.4 Mortality by sex.

- There were 52467 deaths of males and 29278 of females.
- In almost all the major cause groups, deaths of males outnumbered those of females (except obviously in pregnancy complications).
- Due to “Diseases of the blood & blood forming organs and certain disorders involving the immune mechanism and Diseases of the Musculo skeletal system & connective tissue” deaths of females were more than of males.

- Sex wise difference was very distinct in the group “Mental & Behavioural Disorders” (365 deaths of males compared to 33 females).
- Deaths of males was more than two times that of females in major groups “Certain Infectious & parasitic diseases”, “Diseases of the Respiratory System” and “Diseases of Genitourinary System”, nearly two times in “Diseases of the Circulatory system”, more than one and half times in “Diseases of the Nervous System”, “Endocrine, Nutritional and Metabolic disease & immunity Disorders and certain conditions originating in the perinatal period, however in the case of “Diseases of the Blood & Blood forming organs and Certain Disorders Involving Immune Mechanism is vice versa, and more than three times in “Diseases of the Digestive System”. In case of Neoplasms, the death of males to females was marginal (2813 of male deaths to 2255 female deaths).

6.5 Groupwise Leading causes of Deaths (Table – 8 and Table - 9).

The following gives a brief account of the 19 major cause groups according to their rank in descending order. The percentages under each group are shares within the groups. The first twelve took a toll of more than thousand deaths each in their account and the remaining eight accounted for less than thousand deaths each.

First Four major causes out of the 19 categorised groups has stated below were responsible for 58.91 per cent of the total deaths.

6.5.1 Diseases of the Circulatory System (Group-IX) Rank - 1

- This Disease was the top killer with a share of 25.65 per cent of the total deaths during 2004.
- Among the Six causes of this group, four have been the major killers with 74.89 per cent of the deaths in the group. Each cause under this group is having three thousand or more deaths, they are; “Acute Myocardial Infarction” (5181), “Cerebro vascular diseases” (4060), “Other forms of Heart Diseases” (3460), & “All other Hypertensive diseases” (2998).
- Other two are “All other Ischaemic Heart Diseases” (2585) and “Pulmonary Heart diseases and diseases of pulmonary circulation” (1582) were responsible for 12.33 per cent & 7.55 per cent respectively.
- The worst affected were in the age group 70 and above, 55-64 and 45-54, ranking second and third respectively.

6.5.2 Certain Infectious & Parasitic Diseases (Group-I) Rank - 2

- “Respiratory Tuberculosis” by it self was the cause dominating with 42.27 per cent (4230 deaths) of the deaths attributed to this group. The worst affected in this were the middle aged in the group of 45-54 (825 deaths) and 35-44 with 807 deaths.
- Other important sub groups of this group, which are responsible for more than three hundred Deaths Viz. “Septicaemia” with 1124 deaths (11.23 per cent), “Diarrhoea & Gastro enteritis of presumed Infectious Origin” 883 (8.82 per cent), “Tuberculosis of Nervous System” 716 (7.15 per cent), “Human immunodeficiency Virus(HIV) Diseases” 464 (4.64 per cent), “Malaria” 461 (4.61 per cent),” “Other Viral Encephalitis” 396 (3.96 per cent), and "Other Viral Hepatitis” 332 (3.32 per cent).
- **It is pathetic that people in the early age groups 25-44 (331 deaths) became susceptible to fatality through HIV diseases. This is an area where awareness has to be created among the youngsters.**
- The highest affected were in the age groups 35-44, 45-54 and 25-34, which together accounted for 4918 deaths (49.15 per cent).

6.5.3 Injury, Poisoning and Certain Other Consequences External Causes (Group XIX) Rank - 3

- 11.48 per cent of the total deaths occurred in this group. Out of a total of 11 sub causes, three have taken 83.51 per cent of the deaths. In the descending order, they are; “Poisoning by Drugs & Biological Substances and Toxic effects of substances chiefly nonmedicinal as to source” (3626), “Burns and Corrosions” (2469) & “Other injuries of specified, unspecified and multiple body regions” (1743).
- Due to “Burns & Corrosions”, the number of deaths of females outnumbered those of males (more than double-1792 females vis-à-vis 677 males).
- The worst affected were in the age-groups 25-34, 15-24, 35-44 & 45-54. 74.12 per cent of the deaths were in these age groups. It is really pathetic that people in these groups became victims to fatality through entirely man-made or external causes.

6.5.4 Certain Conditions originating in the perinatal period: (Group XVI) Rank 4

- This, is the fourth largest killer disease for the past eleven years and has taken 7802 young lives, however there is a decrease of 324 deaths compared to the previous year.

- “Slow Fetal growth, Fetal malnutrition & Immaturity” was the top killer (41.81 per cent), followed by “Hypoxia, Birth asphyxia & other Respiratory Conditions” (35.72 per cent). The residual category of “All other Conditions originating in the perinatal period” took 21.46 per cent of the lives with in the group.
- Of the total infant deaths, 98.99 per cent were attributed to this cause group. More male children died compared to females. It is a sad reflection of things that conditions were not conducive for the survival of the children and they are dieing before seeing the light of a day.

6.5.5 “Diseases of the Digestive System” (Group-XI) Rank - 5

- Under this group “Diseases of the Liver” was the top most killer with 2781 deaths. The next killer disease “All Other Diseases of the other parts of Digestive System” accounted for 579 deaths. “Diseases of the Appendix” with 549 deaths ranked third, “Peritonitis” and “Paralytic ileus” and “Intestinal Obstruction without Hernia” took a toll of 525 and 261.
- More than 50 per cent of the victims belong to age-groups, 45-54, 55-64, & 35-44. To a significant extent, age groups 70 plus and 25-34 are also vulnerable.

6.5.6 “Endocrine, Nutritional & Metabolic Diseases & Immunity Disorders” (Group-IV) Rank - 6

- “Diabetes Mellitus” was the most dominant cause accounting for 4448 deaths out of 5140 total deaths (86.54 per cent).
- “All Other Endocrine and Metabolic Diseases” claimed 425 and “Disorders of Thyroid gland” claimed 101 Deaths. Most affected were in the age-group 45 onwards.

6.5.7 “Neoplasms” (Group-II) Rank - 7

- “**Neoplasms**” in medical terminology refer to tumours, both malignant and non-malignant. There were 5068 deaths due to this and has taken the seventh rank.
- Of the different kinds of neoplasm, “Malignant Neoplasm of Other ill-defined secondary Unspecified and multiple sites”, with 537 deaths took the first place. This was followed by “Malignant Neoplasm of Trachea, Bronchus and Lung” (452), “Malignant Neoplasm of Oesophagus” (409), “Malignant Neoplasm of Stomach” (379), “Malignant Neoplasm

of Breast” (369), and “Leukaemia” (360). These together have been responsible for 49.45 per cent of the deaths in this group.

- People in the age group 70+ were the prime targets followed by those in the age group 55-64 & 45-54 above. The three age groups put together accounted for 3439 deaths (67.86 per cent).

6.5.8 “Diseases of the Respiratory System” (Group-X) Rank - 8

- Occupied the Eighth rank with 4436 deaths.
- Important Causes under this were; Lower Respiratory Diseases like “Other Lower Respiratory Disorders”, “Asthma”, & “Bronchitis, Chronic & Unspecified Emphysema” with 2415 (54.44 per cent) deaths and under Other Diseases of the Respiratory System like “All Other Diseases of the Respiratory System” and “Pneumonia” took a toll of 1794 (40.44 per cent). These five diseases caused 4209 Deaths (94.88 per cent). In this group male victims out numbered females.
- The worst affected were in the age group 70 & above, followed by those 55-64 & 45-54.

6.5.9 “Symptoms, Signs and Abnormal Clinical & Laboratory findings, not elsewhere Classified (XVIII) Rank - 9

- “All other symptoms, signs and Abnormal Clinical & Laboratory findings, Not elsewhere Classified” took a toll of 2853 (68.98 per cent) out of the total of 4136 deaths in the group. The next in the group was “Senility” (915).
- The worst affected were in the age group 70 & above and 45-54.
- Sexwise, male victims were more in number.

6.5.10 “Diseases of the Nervous system” (Group-VI) Rank - 10

- Four important sub causes have occupied the prime place, viz., “All other diseases of the Nervous system” (1343), “Meningitis” (871), “Encephalitis” (402), and “Epilepsy” (195). Of the total 2841 deaths, 2811 deaths were due to these Four causes. The first alone was responsible for 47.27 per cent of the deaths. The Four put together took a toll of 98.94 per cent deaths in the group.
- The worst affected were in the age group of 70 plus (490 deaths). This is followed by children in below 1 Year were the next largest victims (317 deaths). Viewed from the angle of age, around 46 per cent were under 34.

- Sexwise, more number of males than females were the victims.

6.5.11. “Diseases of the Genito-urinary System” (Group-XIV) Rank - 11

- “Renal failure” was the highest killer in this group (1765), followed by “All other Diseases of Urinary System” (152). Both together accounted for 89.66 per cent.
- People in the age group 70 plus were the worst affected victims followed by those in the age groups 55-64 and 45-54.

6.5.12 “Diseases of the Blood & Blood forming organs and Certain Disorders involving the immune Mechanism” (Group III) Rank - 12

- In this group, female deaths exceeded that of males.
- “Other Anaemias” was the only major sub group with 1582 out of a total of 1740 deaths, accounted for 90.92 per cent.
- People in the age groups 15-24 and 70+, were the most affected, followed by those in the age groups 25-34, 25-44 & 45-54.

6.5.13 “Pregnancy, Childbirth and the Puerperium” (Group-XV) Rank - 13

- The number of deaths due to this cause was 857.
- “Complications Predominately related to the Puerperium” took the highest toll in this with 355 (41.42 per cent), followed by “Other complications of Pregnancy & delivery” with 251 (29.29 per cent) deaths. The other sub groups were “Oedema, Proteinuria and Hypertensive Disorders in Pregnancy, Childbirth and the Puerperium” and “Indirect Obstetric deaths” with 172 (20.07 per cent) & 66 (7.70 per cent) deaths respectively.
- Females in the reproductive age groups of 15-24 and 25-34 were the worst affected. It is an area for urgent remedial measures.

6.5.14 Congenital Malformations, Deformations & Chromosomal Abnormalities” (Group-XVII) Rank - 14

- 833 deaths reported under this cause group. These deaths occur due to some malformation in the congenital stage.
- “Congenital malformations of the Circulatory System” (499) & “All other congenital malformations, deformations & chromosomal abnormalities, not elsewhere classified”

(327) were the two important cause groups. These two together accounted for about 99.16 per cent.

- Children less than one year were the worst affected (701 out of a total of 833). Nearly 93.99 per cent were under four years of age.

6.5.15 “Diseases of the skin & Subcutaneous tissue” (Group-XII) Rank 15

- 601 deaths were due to this group. There are only two sub-groups of which the dominant one was “Infections of the Skin and Subcutaneous tissue”. It took a toll of 65.89 per cent of the deaths (396) and “All other Diseases of the Skin and Subcutaneous tissue” with 205 deaths (34.11 per cent).
- Age wise, groups 70+ and 55-64 were suffered more.

6.5.16 “Mental and Behavioural Disorders” (Group-V) Rank - 16

- 398 deaths occurred due to this. Of these, “Mental and behavioural disorders due to Psychoactive substance use” was the single largest sub group with 360 deaths (90.45 per cent). In this group male - female ratio was disproportionate (365 as against 33).
- The worst affected were the people in the age group 35-44 (120 deaths), followed by 45-54 (101 deaths). These two together were responsible for about 55.53 per cent.

6.5.17 “Diseases of the musculoskeletal system & connective tissue” (Group-XIII) Rank -17

- 120 deaths were occurred due to this cause. “Rheumatoid Arthritis and Other Inflammatory Polyarthropathies” with 68 (56.67 per cent) deaths was the important sub-group followed by “All other diseases of the musculo skeletal system & connective tissue” with 43 deaths (35.83 per cent).
- The most vulnerable were in the age group 70+ and 55-64.

6.5.18 “Diseases of the Eye and Adnexa (Group VII) Rank - 18

- The total number of deaths due to this cause was 6 only, of which 5 were males and 1 was female.

6.5.19 “Diseases of the Ear and Mastoid Process” (Group VIII) Rank - 19

- This is the last among nineteen major cause groups; under this cause group there was only 1 male death.

6.6 The principal individual causes (Table - 4)

Individual causes/cause groups which have taken a toll of more than one thousand deaths have been christened as “Principal Individual Causes”.

- 23 of them together were responsible for 58837 deaths out of a total 81745 deaths (71.98 per cent).
- Of these twenty three, six relate to heart diseases, three each from (a) injury and poisoning, (b) Infant deaths & (c) Diseases of the Respiratory System.
- The cardiac related diseases accounting for 24.31 per cent of deaths in the descending order are; “Acute Myocardial Infarction, “Cerebrovascular Disease”, “Other forms Heart diseases”, “All other Hypertensive Diseases”, “All other Ischemic Heart Diseases” and “Pulmonary Heart diseases and Diseases of pulmonary circulation”.
- Three causes under injury and poisoning accounting for 9.59 per cent of deaths are; “Poisoning by drugs and biological substances & Toxic effects of substances chiefly non medicinal as to source”, “Burns and Corrosions”, & “Other injuries of specified, unspecified and multiple body regions”.
- Main Causes killing the infants accounting for 9.45 per cent of deaths were; “Slow fetal growth, fetal malnutrition & immaturity”, “Hypoxia, birth asphyxia & other respiratory conditions” and “All other conditions originating in the perinatal period.
- Three causes under Diseases of the Respiratory System accounting for 4.02 per cent of deaths are “All Other diseases of the Respiratory System”, “Asthma” and “Other Lower Respiratory disorders”.
- Except under “Burns & Corrosions” and “Other Anaemias”, under all other causes, deaths of males exceeded that of females.
- Deaths of males are more than two times of females in case of ‘Acute Myocardial Infarction’, “Respiratory tuberculosis”, “All other Ischemic Heart Diseases” and “Renal failure”, and it was more than thrice in case of “Diseases of the Liver”. The difference

was very wide in the case of “Other injuries of specified, unspecified and multiple body regions” (1484 males against 259 females).

- The sex wise distribution of deaths under principal individual causes was 65.42 per cent & 34.58 per cent for males and females respectively. In case of ‘Burns & Corrosions’, deaths of females were more than double of males.

6.7 Deaths by age and sex (Table-5)

- Among the males, those who had crossed 70 years ranked first followed by those in the age group 55-64 and 45-54 put together causing 53.20 per cent deaths of males. Infant deaths have taken the fourth position with 5894 deaths. Age group of 35-44 occupied the fifth place. Least vulnerable were those in the group 1-4.
- Among the females, 70 plus had the largest share. Second place was for those in the age group of 55-64, Infant deaths occupied the third place. Fourth place was occupied by the age group of 45-54, fifth and sixth by the prime age groups of 25-34 & 15-24. This may be due to Pregnancy Complications & Burns. The least affected was in the age group 1-4.
- At the aggregate level, 70 plus age group was the first to be adversely hit, followed by the age group 55-64 and 45-54. As much as 11 per cent of the deaths were of infants, the most/least undesirable.
- The proportion of deaths in the age group 15-44, 28.62 per cent in the case of females as against 23.44 per cent of males.
- About 60 per cent of the deaths among the males were in 45 years of age or more, the corresponding proportion for the fair sex was less at 55 per cent.

6.8 Leading causes of infant deaths (Table-6)

The death of a child which has not survived till its first birthday is defined ‘Infant death’. This, along with ‘Under-five mortality’, is reckoned as indirect indicators of socio-economic development.

- 9185 deaths were reported in this case.
- “Slow Fetal Growth, Fetal Malnutrition & Immaturity,” has taken a toll of as much as 35.51 per cent followed by “Hypoxia, Birth Asphyxia & Other Respiratory Conditions” with 30.34 per cent deaths, “All other conditions originating in the perinatal period” was the third with 18.23 per cent. **“The three together have caused 84.08 per cent of the infant deaths”**. Least harmful among them was “All other Diseases of the Nervous

System” and “Other Perinatal Jaundice” with 89 and 69 deaths to their account respectively.

- Fetal malnutrition was the most significant cause of infant deaths.

6.9 Leading causes of Maternal deaths (Table -7)

In the child bearing age or post natal condition certain morbid diseases will have fatal effect on women. A few causes lead to deaths in the pre and post natal conditions of women. These are classified as maternal deaths.

- Compared to the previous year their number has decreased from 875 to 857. They constituted 2.93 per cent of the total deaths of females.
- The most important cause was “Complications pre-dominantly related to the puerperium” with 41.43 per cent (355 deaths), followed by “Other Complications of Pregnancy and Delivery” with 29.29 per cent (251 deaths). Deaths due to “Oedema, Proteinuria and Hypertensive disorders in pregnancy, child birth and the puerperium” was 20.07 per cent (172 deaths) and “Indirect Obstetric Deaths” was 7.70 per cent (66 deaths).

6.10 Growth in the Medical Certification of cause of Death (Table – 10)

- Share of medically certified deaths in registered deaths has been fluctuating over the years. It was least with 11.6 per cent during 1997 and the highest with 23.8 per cent during 2004.

7. Conclusion:

1. The objective of the scheme of Medical Certification of Cause of Death is to draw the profile of Mortality pattern in the state. The scheme is in vogue in the State since 1967 and is aimed at drawing the profile by cause, age and sex on an annual basis. To start with, 44 hospitals were covered under the scheme and this was extended gradually to 946 hospitals, a remarkable scaling.

2. The enabling provision in the RBD Act 1969, read with the KRBD Rules 1999, has been largely responsible for such fair coverage in the state. This also would help in 100 per cent coverage of causes of death once the necessary infrastructure is established.

3. Year after year, “Diseases of the Circulatory System”, has been the most fatal cause group. The first four of the major cause groups were responsible for 3 in 5 or 58.91 per cent of the deaths. They are (1) Diseases of the Circulatory System, (2) Certain Infectious & Parasitic

diseases, (3) Injury, Poisoning and certain other consequences of external causes and (4) Certain conditions originating in the perinatal period.

4. Among the individual causes, “Burns and Corrosions” took the highest toll of females and “Acute Myocardial Infarction” that of males.

5. Infant deaths have taken the fourth place among the deaths by age.

6. Agewise, the age group 70 plus had the highest share among males and females.

7. In all major causes, number of deaths of males exceeded that of females except in the case of “Diseases of Blood & Blood forming organs and Certain disorders involving the immune mechanism”.

8. Leading cause of Infant deaths was ‘Slow fetal growth, fetal malnutrition and immaturity’ & of Maternal Deaths “Complications Predominately related to Pregnancy and Delivery”.

9. Meaningful developmental programmes and remedial measures should concentrate on fetal malnutrition.

10. The same cause groups have topped the killer list for several years and so have been the individual causes, with slight variation in the ranks in different years.

* * * * *

**STATISTICAL
STATEMENTS
AND
GRAPHS**

TABLE - 1

DISTRIBUTION OF HOSPITALS COVERED BY CATEGORY & BED-STRENGTH

Sl. No	Bed-strength/ Hospital type	< 25	25-50	51-100	101-200	201-300	301-400	401-500	> 500	Not stated	Total	Percentage share
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Accident	0	2	2	0	0	0	0	0	0	4	0.42
2	Cardiac	2	2	3	0	1	0	0	0	1	9	0.95
3	Epidemic	1	1	0	1	0	0	0	0	0	3	0.32
4	General	167	208	87	28	10	7	3	11	101	622	65.75
5	Leprosy	0	4	2	0	1	0	0	0	0	7	0.74
6	Maternity	163	11	4	2	3	1	0	1	2	187	19.77
7	Maternity & Paediatric	3	2	0	0	1	0	0	0	0	6	0.63
8	Paediatric	23	3	3	0	0	0	0	0	2	31	3.28
9	Neurology	1	0	0	0	0	1	0	1	0	3	0.32
10	Oncology	1	1	0	1	0	1	0	0	0	4	0.42
11	Ophthalmic	1	0	0	0	1	0	0	0	0	2	0.21
12	Specialised	22	2	0	0	0	0	0	0	3	27	2.85
13	Teaching	0	5	13	4	1	0	0	8	0	31	3.28
14	Tuberculosis	0	0	4	1	3	0	2	0	0	10	1.06
	Total	384	241	118	37	21	10	5	21	109	946	100.00
	Percentage Share	40.59	25.48	12.47	3.91	2.22	1.06	0.53	2.22	11.52	100.00	

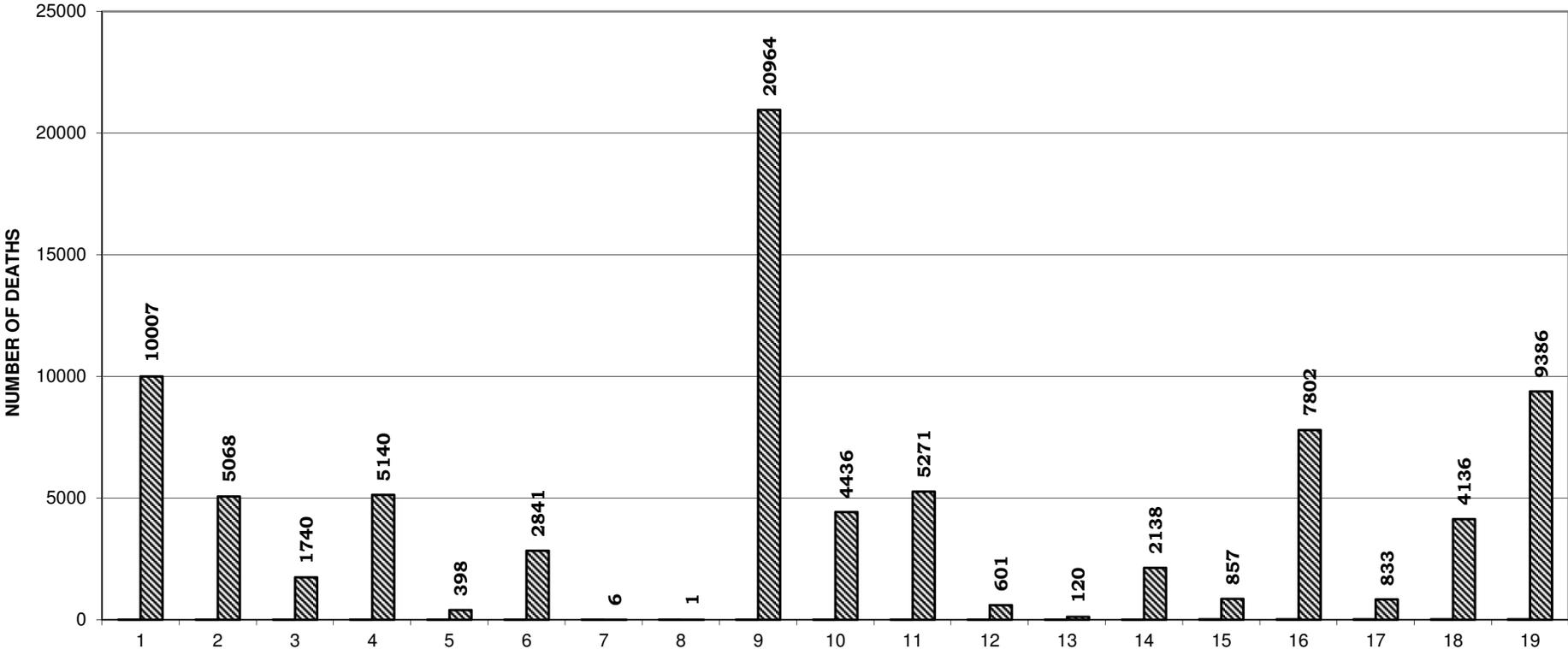
TABLE-2 DISTRICTWISE AND SEXWISE DISTRIBUTION OF DEATHS

Sl. No	District	No.of Hospitals	Male	Female	Total	% to total deaths
1	Bagalkote	30	551	347	898	1.10
2	Bangalore Urban	370	17154	9908	27062	33.11
3	Bangalore Rural	10	262	97	359	0.44
4	Belgaum	37	2145	1065	3210	3.93
5	Bellary	26	1969	1088	3057	3.74
6	Bidar	10	640	338	978	1.20
7	Bijapur	25	1110	600	1710	2.09
8	Chamarajanagara	12	265	136	401	0.49
9	Chickmagalur	15	674	359	1033	1.26
10	Chitradurga	14	983	600	1583	1.94
11	D.Kannada	71	4166	2372	7538	9.22
12	Davanagere	21	2100	1185	3285	4.02
13	Dharwad	51	3648	2083	5731	7.01
14	Gadag	25	1407	867	1274	1.56
15	Gulbarga	16	1240	736	1976	2.42
16	Hassan	10	436	264	700	0.86
17	Haveri	9	499	263	762	0.93
18	Kodagu	9	454	214	668	0.82
19	Kolar	19	1913	1005	2918	3.57
20	Koppal	6	118	60	178	0.22
21	Mandya	11	998	482	1480	1.81
22	Mysore	30	4405	2292	6697	8.19
23	Raichur	8	521	353	874	1.07
24	Shimoga	21	1364	667	2031	2.48
25	Tumkur	19	829	502	1331	1.63
26	Udupi	38	1759	958	2717	3.32
27	Uttara Kannada	33	736	372	1108	1.36
28	Other states	-	121	65	186	0.23
	State Total	946	52467	29278	81745	100.00

TABLE-3:DEATHS BY MAJOR CAUSE GROUPS

Sl. No	Group	Major Cause of Death With Code	Male	Female	Total	%	Rank
1	I	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	6738	3269	10007	12.24	II
2	II	NEOPLASMS (C00-D48)	2813	2255	5068	6.20	VII
3	III	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	634	1106	1740	2.13	XII
4	IV	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	3186	1954	5140	6.29	VI
5	V	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	365	33	398	0.49	XVI
6	VI	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	1780	1061	2841	3.48	X
7	VII	DISEASES OF THE EYE AND ADNEXA(H00-H59)	5	1	6	0.01	XVIII
8	VII	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	1	0	1	0.00	XIX
9	IX	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	13871	7093	20964	25.65	I
10	X	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	3043	1393	4436	5.43	VIII
11	XI	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	4177	1094	5271	6.45	V
12	XII	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	394	207	601	0.74	XV
13	XII	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	55	65	120	0.15	XVII
14	XIV	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	1439	699	2138	2.62	XI
15	XV	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	0	857	857	1.05	XIII
16	XVI	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	5017	2785	7802	9.54	IV
17	XVII	CONGENITAL MALFORMATIONS,DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	541	292	833	1.02	XIV
18	XVIII	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS,NOT ELSEWHERE CLASSIFIED (R000-R99)	2581	1555	4136	5.06	IX
19	XIX	INJURY,POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES(S00-T98)	5827	3559	9386	11.48	III
		TOTAL	52467	29278	81745	100.00	

DEATHS BY MAJOR CAUSE GROUPS-2004



1.Certain infectious & parasitic diseases(A00-b99)

2.Neoplasms(C00-D48)

3.Diseases of the Blood & Blood forming organs & Certain disorders involving immune mechanism(D50-D89)

4.Endocrine,Nutritional & Metabolic Diseases(E00-E89)

5.Mental & Behavioural Disorders(F01-F99)

6.Diseases of Nervous System(G00-G98)

7.Diseases of the Eye & Adnexa(H60-H95)

8.Diseases of the Ear & Mastoid Process(H60-H95)

9.Diseases of the Circulatory System(J00-J98)

10.Diseases of the Respiratory System(K00-K92)

11.Diseases of the Digestive System(K00-K92)

12.Diseases of the Skin & Subcutaneous Tissue(I00-L98)

13.Diseases of the Musculoskeletal System & Connective Tissue(M00-M99)

14.Diseases of the Genitourinary System(N00-N99)

15.Pregnancy,Childbirth in the Perinatal Period(O00-O99)

16.Certain Conditions Originating in the Perinatal Period(P00-P96)

17.Congenital Malformations,Deformations & Chromosomal Abnormalities(Q00-Q99)

18.Symptoms,Signs & Abnormal Clinical & Laboratory Findings,Not elsewhere classified(R00-R99)

19.Injury,Poisoning & Certain other consequences of External causes(S00-T98)

TABLE - 4 THE PRINCIPAL INDIVIDUAL CAUSES

Sl. No	NAME OF THE DISEASE WITH CODE	MALE	FEMALE	TOTAL	% to Total Deaths
1	RESPIRATORY TUBERCULOSIS(A15-A16)	3078	1152	4230	5.17
2	SEPTICAEMIA(A40-A41)	631	493	1124	1.38
3	OTHER ANAEMIAS(D50-D55,D57-D64)	554	1028	1582	1.94
4	DIABETES MELLITUS(E10-E14)	2808	1640	4448	5.44
5	ALL OTHER DISEASES OF THE NERVOUS SYSTEM(G10-G25,G31,G35-G37,G43-G98)	867	476	1343	1.64
6	ALL OTHER HYPERTENSIVE DISEASES(I10,I12-I15)	1844	1154	2998	3.67
7	ACUTE MYOCARDIAL INFARCTION(I21-I22)	3707	1474	5181	6.34
8	ALL OTHER ISCHAEMIC HEART DISEASES(I20& I23-I25)	1755	830	2585	3.16
9	PULMONARY HEART DISEASES AND DISEASES OF PULMONARY CIRCULATION(I26-I28)	1133	449	1582	1.94
10	OTHER FORMS OF HEART DISEASES(I30-I51)	2197	1263	3460	4.23
11	CEREBROVASCULAR DISEASES(I60-I69)	2672	1388	4060	4.97
12	ASTHMA(J45-J46)	647	393	1040	1.27
13	OTHER LOWER RESPIRATORY DISORDERS(J22,J44 & J47)	983	235	1218	1.49
14	ALL OTHER DISEASES OF THE RESPIRATORY SYSTEM(J60-J86,J92-J98)	667	359	1026	1.26
15	DISEASES OF THE LIVER(K70-K76)	2277	504	2781	3.40
16	RENAL FAILURE(N17-N19)	1204	561	1765	2.16
17	SLOW FETAL GROWTH,FETAL MALNUTRITION AND IMMATUREITY (P05-P07)	2053	1209	3262	3.99
18	HYPOXIA,BIRTH ASPHYXIA AND OTHER RESPIRATORY CONDITIONS(P20-P28)	1829	958	2787	3.41
19	ALL OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P04,P08,P29-P54,	1080	594	1674	2.05
20	ALL OTHER SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS,NOT ELSEWHERE CLASSIFIED	1871	982	2853	3.49
21	OTHER INJURIES OF SPECIFIED,UNSPECIFIED AND MULTIPLE BODY REGIONS(S00-S01,S05,S09-S11)	1484	259	1743	2.13
22	BURNS AND CORROSIONS(T20-T32)	677	1792	2469	3.02
23	POISONINGS BY DRUGS AND BIOLOGICAL SUBSTANCES,AND TOXIC EFFECTS OF SUBSTANCES CHIEFLY NON MEDICINAL AS TO SOURCE (T36-T50 & T51-T65)	2476	1150	3626	4.44
	TOTAL	38494	20343	58837	71.98
	TOTAL DEATHS	52467	29278	81745	100.00

TABLE -5 DISTRIBUTION OF DEATHS BY AGE AND SEX

Sl. No.	Age Group (in Years)	Male			Female			Total		
		No.	%	Rank	No.	%	Rank	No.	%	Rank
1	2	3	4	5	6	7	8	9	10	11
1	Below 1 year	5894	11.23	IV	3291	11.24	III	9185	11.24	IV
2	1-4	731	1.39	X	544	1.86	X	1275	1.56	X
3	5-14	905	1.72	IX	738	2.52	IX	1643	2.01	IX
4	15-24	2241	4.27	VIII	2711	9.26	VI	4952	6.06	VIII
5	25-34	4344	8.28	VI	3170	10.83	V	7514	9.19	VI
6	35-44	5715	10.89	V	2496	8.53	VII	8211	10.04	V
7	45-54	7830	14.92	III	3283	11.21	IV	11113	13.59	III
8	55-64	8206	15.64	II	3599	12.29	II	11805	14.44	II
9	65-69	4030	7.68	VII	2165	7.39	VIII	6195	7.58	VII
10	70 & above	11878	22.64	I	7001	23.91	I	18879	23.09	I
11	Age Not Stated	693	1.32	XI	280	0.96	XI	973	1.19	XI
	Total	52467	100.00		29278	100.00		81745	100.00	

SEX AND AGEWISE DISTRIBUTION OF DEATHS-2004

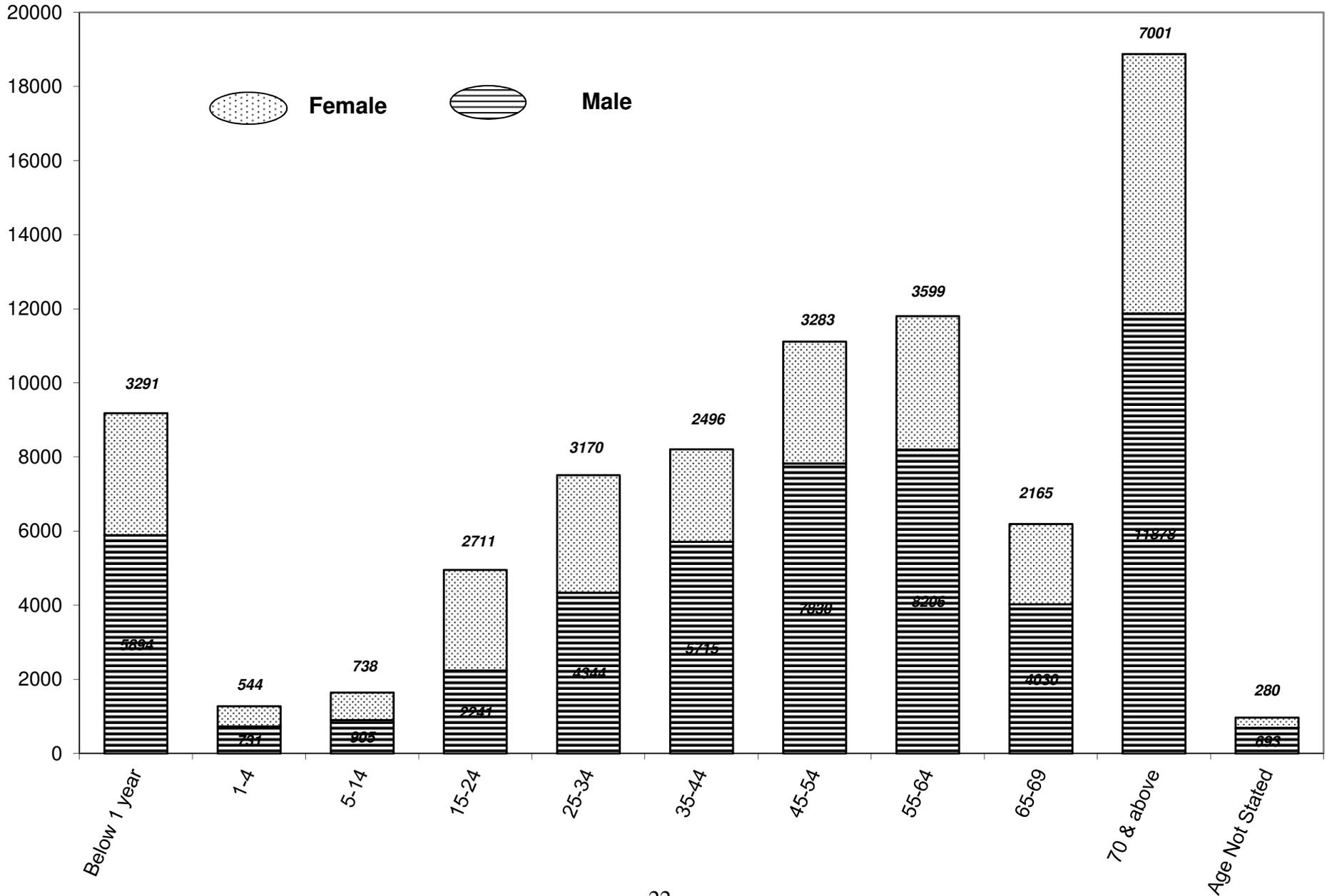


TABLE 6 - LEADING CAUSES OF INFANT DEATHS

Sl. No.	MAJOR CAUSE OF DEATH WITH CODE	MALE	FEMALE	TOTAL	% to Total Infant Death
1	DIARRHOEA AND GASTROENTERITIS OF PRESUMED INFECTIOUS ORIGIN(A09)	60	62	122	1.33
2	MENINGITIS(G00 & G03)	103	79	182	1.98
3	ALL OTHER DISEASES OF THE NERVOUS SYSTEM(G10-G25,G31,G35-G37,G43-G98)	49	40	89	0.97
4	SLOW FETAL GROWTH,FETAL MALNUTRITION AND IMMATURITY (P05-P07)	2053	1209	3262	35.51
5	HYPOXIA,BIRTH ASPHYXIA AND OTHER RESPIRATORY CONDITIONS(P20-P28)	1829	958	2787	30.34
6	OTHER PERINATAL JAUNDICE(P58-P59)	48	21	69	0.75
7	ALL OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P04,P08,P29-P54,	1080	594	1674	18.23
8	CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM(Q20-Q28)	283	139	422	4.59
9	ALL OTHER CONGENITAL MALFORMATIONS,DEFORMATIONS & CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	185	88	273	2.97
	ALL OTHER CAUSE OF INFANT DEATHS	204	101	305	3.32
	TOTAL DEATHS	5894	3291	9185	100.00

LEADING CAUSES OF INFANT DEATHS-2004

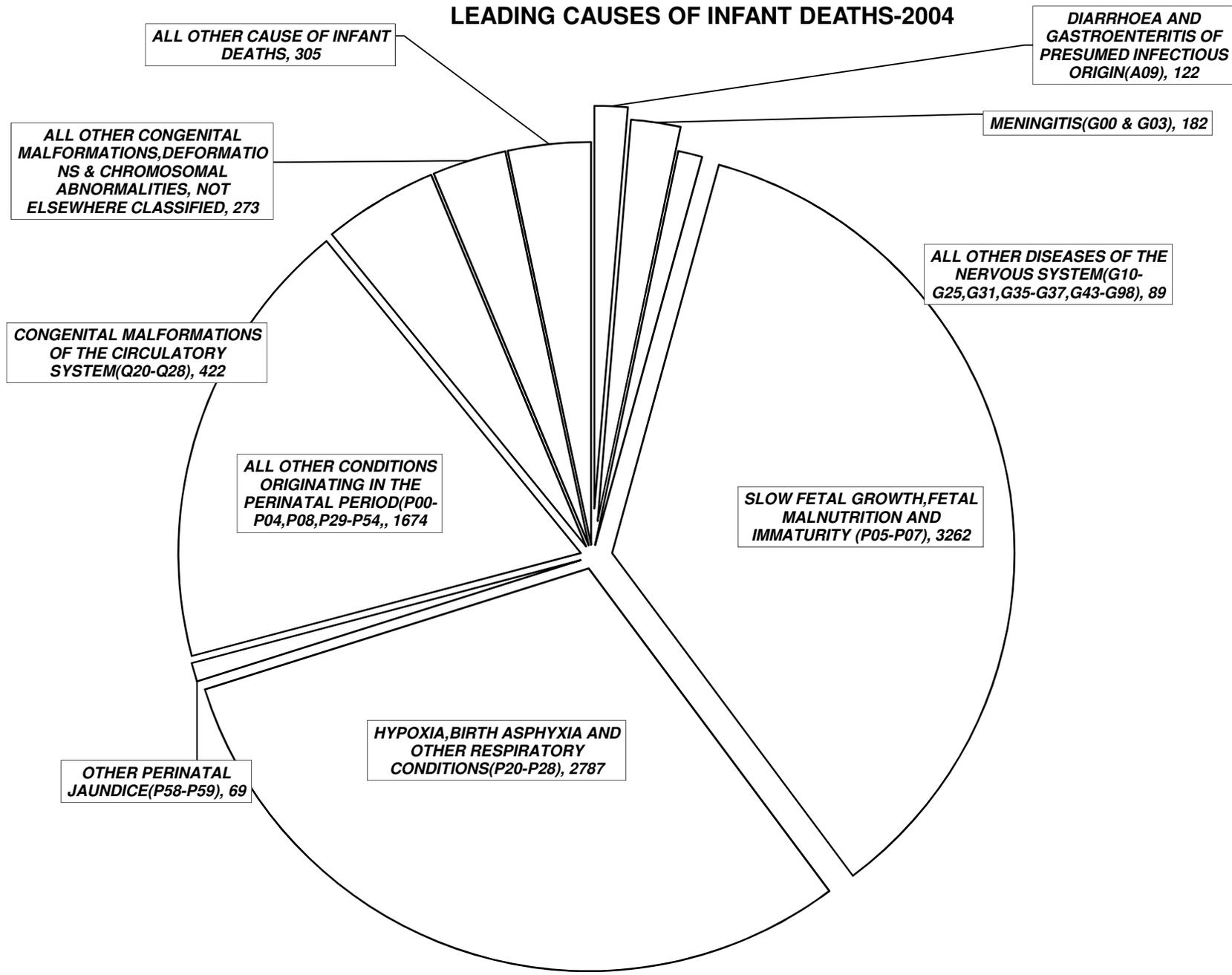
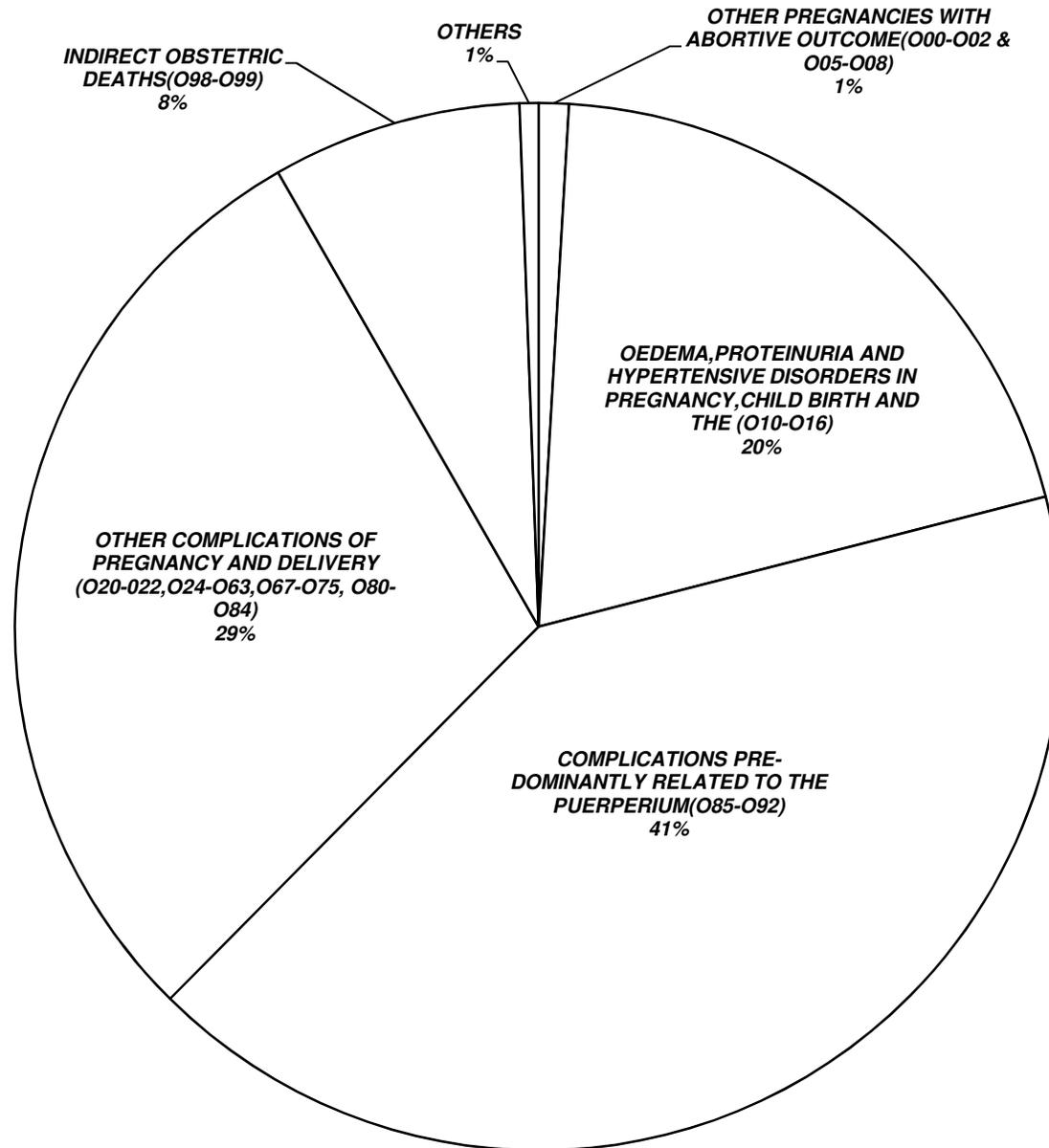


TABLE 7 - LEADING CAUSES OF MATERNAL DEATHS.

Sl. No	MAJOR CAUSE OF DEATHS WITH CODE	No. of Deaths	% to Total Maternal deaths
1	OTHER PREGNANCIES WITH ABORTIVE OUTCOME(O00-O02 & O05-O08)	8	0.93
2	OEDEMA,PROTEINURIA AND HYPERTENSIVE DISORDERS IN PREGNANCY,CHILD BIRTH AND THE (O10-O16)	172	20.07
3	COMPLICATIONS PRE-DOMINANTLY RELATED TO THE PUERPERIUM(O85-O92)	355	41.43
4	OTHER COMPLICATIONS OF PREGNANCY AND DELIVERY (O20-O22,O24-O63,O67-O75, O80-O84)	251	29.29
5	INDIRECT OBSTETRIC DEATHS(O98-O99)	66	7.70
6	OTHERS	5	0.58
7	TOTAL MATERNAL DEATHS	857	2.93
	ALL OTHER FEMALE DEATHS	28421	
	TOTAL FEMALE DEATHS	29278	

LEADING CAUSES OF MATERNAL DEATHS-2004



**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
I	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	Male	165	215	260	481	995	1294	1165	893	320	838	112	6738
		Female	116	166	221	362	557	469	438	358	131	408	43	3269
		Total	281	381	481	843	1552	1763	1603	1251	451	1246	155	10007
1	INTESTINAL INFECTIOUS DISEASES(A00-A09)	Male	67	39	21	18	58	82	107	107	25	118	1	643
		Female	66	32	13	25	17	34	52	58	16	82	1	396
		Total	133	71	34	43	75	116	159	165	41	200	2	1039
1	CHOLERA(A00)	Male	1	0	0	0	0	0	0	1	0	0	0	2
		Female	0	0	2	2	2	0	0	4	0	0	0	10
2	TYPHOID FEVER AND PARATYPHOID FEVERS(A01)	Male	0	0	2	4	4	7	5	2	1	7	0	32
		Female	0	0	0	3	4	7	5	3	0	4	1	27
3	FOOD POISONING(A02,A05)	Male	0	0	0	0	1	1	0	0	0	0	0	2
		Female	0	0	0	0	0	0	0	0	0	0	0	0
4	SHIGELLOSIS(A03)	Male	1	0	0	0	0	0	1	0	0	3	0	5
		Female	3	2	0	0	0	0	0	0	0	0	0	5
5	AMOEBIASIS(A06)	Male	5	2	0	0	5	15	5	12	1	2	1	48
		Female	1	1	1	0	1	1	4	4	1	7	0	21
6	DIARRHOEA AND GASTROENTERITIS OF PRESUMED INFECTIOUS ORIGIN(A09)	Male	60	37	19	14	47	58	96	92	23	105	0	551
		Female	62	29	10	20	10	26	43	46	15	71	0	332
7	OTHER INTESTINAL INFECTIOUS DISEASES(A04,A07-A08)	Male	0	0	0	0	1	1	0	0	0	1	0	3
		Female	0	0	0	0	0	0	0	1	0	0	0	1

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											N.S	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
2	TUBERCULOSIS(A15-A19)	Male	30	65	67	260	582	797	723	539	197	470	76	3806	
		Female	16	35	66	147	365	229	245	186	72	153	32	1546	
		Total	46	100	133	407	947	1026	968	725	269	623	108	5352	
1	RESPIRATORY TUBERCULOSIS(A15-A16)	Male	7	13	24	182	471	625	632	475	172	411	66	3078	
		Female	4	10	39	98	284	182	193	147	53	120	22	1152	
2	TUBERCULOSIS OF NERVOUS SYSTEM(A17)	Male	17	49	38	51	73	108	51	13	12	42	4	458	
		Female	12	25	24	38	56	25	27	23	6	16	6	258	
3	TUBERCULOSIS OF OTHER ORGANS AND MILIARY TUBERCULOSIS(A18-A19)	Male	6	3	5	27	38	64	40	51	13	17	6	270	
		Female	0	0	3	11	25	22	25	16	13	17	4	136	
3	OTHER BACTERIAL DISEASES(A20-A49)	Male	11	22	56	69	94	122	171	141	64	152	13	915	
		Female	12	15	42	89	63	86	81	68	32	131	6	625	
		Total	23	37	98	158	157	208	252	209	96	283	19	1540	
1	PLAGUE(A20)		No Deaths												
2	LEPROSY(A30)	Male	0	0	0	0	0	2	2	2	0	2	1	9	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
3	NEONATAL TETANUS(A33)	Male	6	0	0	0	0	0	0	0	0	0	0	6	
		Female	6	0	0	0	0	0	0	0	0	0	0	6	
4	OTHER TETANUS(A34-A35)	Male	0	10	34	13	14	18	26	21	8	7	2	153	
		Female	0	4	19	14	4	8	12	10	2	12	0	85	
5	DIPHTHERIA(A36)	Male	2	2	0	0	0	0	0	0	0	0	0	4	
		Female	4	3	0	0	0	0	0	0	0	0	0	7	

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											N.S	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
6	WHOOPING COUGH(A37)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
7	MENINGOCOCCAL INFECTION(A39)	Male	3	2	1	4	3	1	1	3	0	2	0	20	
		Female	1	0	2	3	0	1	0	0	2	1	0	10	
8	SEPTICEMIA(A40-A41)	Male	0	7	20	42	58	90	114	105	51	134	10	631	
		Female	0	7	18	68	54	75	66	53	28	118	6	493	
9	ALL OTHER TYPES OF BACTERIAL DISEASES(A21-A28, A31-A32,A38,A42-A49)	Male	0	1	1	10	19	11	28	10	5	7	0	92	
		Female	1	1	3	4	5	2	3	5	0	0	0	24	
4	INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION(A50-A64)	Male	0	0	0	0	1	3	0	0	0	0	0	4	
		Female	0	0	0	0	0	1	0	0	0	0	0	1	
		Total	0	0	0	0	1	4	0	0	0	0	0	5	
1	SYPHILIS(A50-A53)	Male	0	0	0	0	1	2	0	0	0	0	0	3	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
2	OTHER TYPES OF INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION(A54-A64)	Male	0	0	0	0	0	1	0	0	0	0	0	1	
		Female	0	0	0	0	0	1	0	0	0	0	0	1	
5	VIRAL DISEASES(A70-A74 & A80-B34)	Male	55	74	99	93	214	241	115	74	22	59	16	1062	
		Female	22	69	80	77	82	81	32	29	7	17	4	500	
		Total	77	143	179	170	296	322	147	103	29	76	20	1562	
1	ACUTE POLIOMYELITIS(A80)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
2	RABIES(A82)	Male	0	2	23	5	11	11	10	8	0	2	0	72	
		Female	0	1	6	2	3	9	4	2	2	1	0	30	

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											N.S	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
3	JAPANESE ENCEPHALITIS(A83.0)	Male	0	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0	0
4	OTHER VIRAL ENCEPHALITIS(A83.1-A83.9,A84-A86)	Male	34	38	49	44	23	20	4	9	1	12	4	238	
		Female	9	31	47	43	9	12	4	2	1	0	0	158	
5	DENGUE FEVER(A90)	Male	2	2	1	2	3	4	2	1	0	0	0	17	
		Female	2	5	4	0	2	2	0	1	0	0	0	16	
6	OTHER ARTHOPOD-BORNE VIRAL FEVERS AND VIRAL HAEMORRHAGIC FEVERS (A91-A94, A96-A99)	Male	4	5	7	4	6	5	6	1	3	5	0	46	
		Female	3	3	1	5	3	0	3	1	1	1	0	21	
7	SMALLPOX(B03)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
8	MEASLES(B05)	Male	5	9	3	0	0	0	1	0	0	0	0	18	
		Female	4	11	3	0	0	0	0	0	0	0	0	18	
9	ACUTE HEPATITIS(B16)	Male	0	2	0	3	3	3	7	2	0	0	0	20	
		Female	0	1	0	1	4	6	0	3	0	2	0	17	
10	OTHER VIRAL HEPATITIS(B15, B17-B19)	Male	0	9	10	30	35	45	24	36	14	21	3	227	
		Female	0	8	13	23	24	10	7	12	2	6	0	105	
11	HUMAN IMMUNODEFICIENCY VIRUS[HIV]DISEASE (B20-B24)	Male	0	0	0	0	123	139	57	15	4	18	9	365	
		Female	0	0	0	0	33	36	14	6	0	6	4	99	
12	ALL OTHER TYPES OF VIRAL DISEASES(A70-A74,A81,A87-A89, A95,B00-B02,B04,B06-B09 & B25-B34)	Male	10	7	6	5	10	14	4	2	0	1	0	59	
		Female	4	9	6	3	4	6	0	2	1	1	0	36	

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
6	PROTOZOAL DISEASES(B50-B64)	Male	0	15	16	41	43	45	42	28	10	37	5	282
		Female	0	15	19	22	29	33	27	17	4	21	0	187
		Total	0	30	35	63	72	78	69	45	14	58	5	469
1	MALARIA(B50-B54)	Male	0	15	16	41	41	45	40	27	10	36	4	275
		Female	0	15	19	22	29	32	27	17	4	21	0	186
2	ALL OTHER TYPES OF PROTOZOAL DISEASES(B55-B64)	Male	0	0	0	0	2	0	2	1	0	1	1	7
		Female	0	0	0	0	0	1	0	0	0	0	0	1
7	OTHER CERTAIN INFECTIOUS AND PARASITIC DISEASES & LATE EFFECTS OF INFECTIOUS & PARASITIC DISEASES (A65-A69 & A75-A79,B35-B49,B65-B94 & B99)	Male	2	0	1	0	3	4	7	4	2	2	1	26
		Female	0	0	1	2	1	5	1	0	0	4	0	14
		Total	2	0	2	2	4	9	8	4	2	6	1	40
1	FILARIASIS(B74)	Male	0	0	0	0	1	0	2	0	0	0	0	3
		Female	0	0	0	0	0	0	0	0	0	2	0	2
2	OTHER HELMINTHIASIS(B65-B73,B75,B77-B83)	Male	0	0	0	0	0	2	0	1	0	0	0	3
		Female	0	0	1	0	0	2	1	0	0	0	0	4
3	OTHER SPIROCHAETAL DISEASES AND RICKETTSIOSES (A65-A69 & A75-A79)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
4	ALL OTHER INFECTIOUS AND PARASITIC DISEASES & LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES (B35-B49,B65,B76,B85-B94 & B99)	Male	2	0	1	0	2	2	5	3	2	2	1	20
		Female	0	0	0	2	1	3	0	0	0	2	0	8
II	NEOPLASMS (C00-D48)	Male	2	22	36	87	145	239	515	680	315	743	29	2813
		Female	2	12	25	47	145	291	513	432	218	556	14	2255
		Total	4	34	61	134	290	530	1028	1112	533	1299	43	5068
8	MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX (C00-C14)	Male	0	0	0	3	13	20	73	77	25	61	0	272
		Female	0	0	0	0	10	12	38	45	12	40	1	158
		Total	0	0	0	3	23	32	111	122	37	101	1	430

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											N.S	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX (C00-C14)	Male	0	0	0	3	13	20	73	77	25	61	0	272	
		Female	0	0	0	0	10	12	38	45	12	40	1	158	
9	MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS (C15-C26)	Male	0	0	0	0	35	88	186	253	117	264	12	955	
		Female	0	0	0	0	28	61	104	116	66	175	4	554	
		Total	0	0	0	0	63	149	290	369	183	439	16	1509	
1	MALIGNANT NEOPLASM OF OESOPHAGUS (C15)	Male	0	0	0	0	3	22	59	68	31	77	4	264	
		Female	0	0	0	0	2	17	21	36	24	44	1	145	
2	MALIGNANT NEOPLASM OF STOMACH (C16)	Male	0	0	0	0	7	21	47	82	33	66	2	258	
		Female	0	0	0	0	11	18	29	21	8	31	3	121	
3	MALIGNANT NEOPLASMS OF SMALL INTESTINE INCLUDING DUODENUM (C17)	Male	0	0	0	0	3	1	3	4	1	4	1	17	
		Female	0	0	0	0	2	0	3	1	1	2	0	9	
4	MALIGNANT NEOPLASM OF COLON (C18)	Male	0	0	0	0	7	11	18	19	10	18	2	85	
		Female	0	0	0	0	5	8	14	14	6	20	0	67	
5	MALIGNANT NEOPLASMS OF RECTOSIGMOID JUNCTION, RECTUM,ANUS AND ANAL CANAL (C19-C21)	Male	0	0	0	0	3	9	18	15	5	18	0	68	
		Female	0	0	0	0	7	4	9	15	6	22	0	63	
6	MALIGNANT NEOPLASMS OF LIVER AND INTRAHEPATIC BILE DUCTS (C22)	Male	0	0	0	0	11	17	28	45	22	41	3	167	
		Female	0	0	0	0	0	6	14	15	6	28	0	69	
7	MALIGNANT NEOPLASM OF PANCREAS (C25)	Male	0	0	0	0	1	4	8	13	11	27	0	64	
		Female	0	0	0	0	0	5	3	8	12	15	0	43	
8	OTHER MALIGNANT NEOPLASM OF DIGESTIVE ORGANS (C23-C24,C26)	Male	0	0	0	0	0	3	5	7	4	13	0	32	
		Female	0	0	0	0	1	3	11	6	3	13	0	37	

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											N.S	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
10	MALIGNANT NEOPLASMS OF RESPIRATORY & INTRATHORACIC ORGANS (C30-C39)	Male	0	0	0	1	12	27	95	121	57	138	7	458	
		Female	0	0	0	1	9	11	36	28	12	47	0	144	
		Total	0	0	0	2	21	38	131	149	69	185	7	602	
1	MALIGNANT NEOPLASM OF LARYNX (C32)	Male	0	0	0	0	1	3	16	32	15	33	3	103	
		Female	0	0	0	0	1	2	8	4	1	9	0	25	
2	MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS AND LUNG (C33-C34)	Male	0	0	0	0	10	23	72	89	42	102	4	342	
		Female	0	0	0	0	8	7	28	19	10	38	0	110	
3	OTHER MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS (C30-C31,C37-C39)	Male	0	0	0	1	1	1	7	0	0	3	0	13	
		Female	0	0	0	1	0	2	0	5	1	0	0	9	
11	MALIGNANT NEOPLASMS OF BONE,MESOTHELIAL AND SOFT TISSUE,SKIN AND BREAST(C40-C50)	Male	0	0	1	8	9	4	11	17	3	17	0	70	
		Female	0	0	0	5	28	104	108	64	36	88	4	437	
		Total	0	0	1	13	37	108	119	81	39	105	4	507	
1	MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE (C40-C41)	Male	0	0	1	8	7	3	7	8	3	9	0	46	
		Female	0	0	0	5	4	3	7	7	3	8	0	37	
2	MALIGNANT MELANOMA OF SKIN (C43)	Male	0	0	0	0	0	0	0	1	0	1	0	2	
		Female	0	0	0	0	2	0	0	0	0	1	0	3	
3	OTHER MALIGNANT NEOPLASM OF SKIN (C44)	Male	0	0	0	0	0	0	0	3	0	5	0	8	
		Female	0	0	0	0	0	0	0	0	2	1	0	3	
4	MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE (C45-C49)	Male	0	0	0	0	2	1	4	5	0	2	0	14	
		Female	0	0	0	0	4	6	9	0	1	5	0	25	
5	MALIGNANT NEOPLASM OF BREAST (C50)	Female	0	0	0	0	18	95	92	57	30	73	4	369	

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											N.S	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
12	MALIGNANT NEOPLASMS OF GENITOURINARY ORGANS (C51-C68)	Male	0	0	0	3	7	7	22	37	28	106	0	210	
		Female	0	0	0	3	22	59	118	93	32	99	2	428	
		Total	0	0	0	6	29	66	140	130	60	205	2	638	
1	MALIGNANT NEOPLASM OF CERVIX UTERI (C53)	Female	0	0	0	2	11	40	81	47	15	55	1	252	
2	MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED PARTS OF UTERUS (C54-C55)	Female	0	0	0	0	3	0	9	11	8	11	0	42	
3	MALIGNANT NEOPLASM OF OVARY (C56)	Female	0	0	0	1	7	15	20	25	7	18	1	94	
4	MALIGNANT NEOPLASMS OF PLACENTA (C58)	Female	0	0	0	0	0	0	0	0	0	0	0	0	
5	OTHER MALIGNANT NEOPLASM OF FEMALE GENITAL ORGANS (C51-C52,C57)	Female	0	0	0	0	0	2	3	4	0	2	0	11	
6	MALIGNANT NEOPLASM OF PROSTATE (C61)	Male	0	0	0	0	0	2	10	14	15	64	0	105	
7	OTHER MALIGNANT NEOPLASM OF MALE GENITAL ORGANS (C60-C62,C63)	Male	0	0	0	3	6	3	3	5	2	2	0	24	
8	MALIGNANT NEOPLASM OF BLADDER (C67)	Male	0	0	0	0	0	0	3	12	10	28	0	53	
		Female	0	0	0	0	0	0	1	4	2	7	0	14	
9	OTHER MALIGNANT NEOPLASM OF URINARY TRACT (C64-C66,C68)	Male	0	0	0	0	1	2	6	6	1	12	0	28	
		Female	0	0	0	0	1	2	4	2	0	6	0	15	
13	MALIGNANT NEOPLASMS OF EYE,BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM (C69-C72)	Male	0	6	8	7	6	22	15	33	12	19	5	133	
		Female	0	3	7	10	6	7	24	21	12	18	1	109	
		Total	0	9	15	17	12	29	39	54	24	37	6	242	
1	MALIGNANT NEOPLASMS OF EYE & ADNEXA (C69)	Male	0	0	0	0	0	0	0	2	0	0	0	2	
		Female	0	1	0	0	0	0	0	0	0	0	0	1	

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	MALIGNANT NEOPLASMS OF MENINGES,BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM(C70-C72)	Male	0	6	8	7	6	22	15	31	12	19	5	131
		Female	0	2	7	10	6	7	24	21	12	18	1	108
14	MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES(C73-C80 & C97)	Male	0	0	0	14	21	18	57	79	53	76	3	321
		Female	0	0	0	2	16	18	48	42	34	54	2	216
		Total	0	0	0	16	37	36	105	121	87	130	5	537
1	MALIGNANT NEOPLASMS OF OTHER ILL-DEFINED, SECONDARY, UNSPECIFIED AND MULTIPLE SITES(C73-C80 & C97)	Male	0	0	0	14	21	18	57	79	53	76	3	321
		Female	0	0	0	2	16	18	48	42	34	54	2	216
15	MALIGNANT NEOPLASMS OF LYMPHOID, HAEMATOPOIETIC AND RELATED TISSUE (C81-C96)	Male	2	16	27	50	42	48	50	59	20	58	2	374
		Female	2	9	18	22	24	16	35	21	12	35	0	194
		Total	4	25	45	72	66	64	85	80	32	93	2	568
1	HODGKIN'S DISEASE(C81)	Male	0	0	0	0	0	0	1	0	0	3	0	4
		Female	0	0	0	0	0	0	1	0	0	1	0	2
2	NON-HODGKIN'S LYMPHOMA(C82-C85)	Male	0	0	4	5	13	10	22	33	6	29	0	122
		Female	0	1	3	6	3	3	11	12	3	12	0	54
3	MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS(C90)	Male	0	0	0	1	2	4	4	2	3	1	0	17
		Female	0	0	0	0	0	2	1	1	2	2	0	8
4	LEUKAEMIA(C91-C95)	Male	2	16	23	44	27	33	23	24	11	25	2	230
		Female	2	8	15	16	21	11	22	8	7	20	0	130
5	OTHER MALIGNANT NEOPLASMS OF LYMPHOID, HAEMATOPOIETIC AND RELATED TISSUE(C88 & C96)	Male	0	0	0	0	0	1	0	0	0	0	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
16	CARCINOMA IN SITU(D00-D09)	Male	0	0	0	0	0	0	1	1	0	0	0	2
		Female	0	0	0	1	0	0	0	0	0	0	0	1
		Total	0	0	0	1	0	0	1	1	0	0	0	3

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	CARCINOMA IN SITU(D00-D09)	Male	0	0	0	0	0	0	1	1	0	0	0	2
		Female	0	0	0	1	0	0	0	0	0	0	0	1
17	BENIGN NEOPLASMS(D10-D36)	Male	0	0	0	0	0	5	2	0	0	0	0	7
		Female	0	0	0	2	2	2	2	0	2	0	0	10
		Total	0	0	0	2	2	7	4	0	2	0	0	17
1	LEIOMYOMA OF UTERUS(D25)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	2	0	0	0	0	2
2	ALL OTHER BENIGN NEOPLASMS(D10-D24,D26-D36)	Male	0	0	0	0	0	5	2	0	0	0	0	7
		Female	0	0	0	2	2	2	0	0	2	0	0	8
18	OTHER AND UNSPECIFIED NEOPLASM(D37-D48)	Male	0	0	0	1	0	0	3	3	0	4	0	11
		Female	0	0	0	1	0	1	0	2	0	0	0	4
		Total	0	0	0	2	0	1	3	5	0	4	0	15
1	OTHER AND UNSPECIFIED NEOPLASM(D37-D48)	Male	0	0	0	1	0	0	3	3	0	4	0	11
		Female	0	0	0	1	0	1	0	2	0	0	0	4
III	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	Male	0	19	24	61	65	93	90	88	44	141	9	634
		Female	0	29	35	257	216	130	141	100	32	150	16	1106
		Total	0	48	59	318	281	223	231	188	76	291	25	1740
19	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING IMMUNE MECHANISM(D50-D89)	Male	0	19	24	61	65	93	90	88	44	141	9	634
		Female	0	29	35	257	216	130	141	100	32	150	16	1106
		Total	0	48	59	318	281	223	231	188	76	291	25	1740
1	THALASSAEMIA(D56)	Male	0	0	2	2	0	0	0	0	0	0	0	4
		Female	0	1	0	0	0	0	0	0	0	0	0	1

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											N.S	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
2	OTHER ANAEMIAS(D50-D55,D57-D64)	Male	0	14	20	44	61	77	75	79	40	136	8	554	
		Female	0	23	31	235	199	120	130	99	32	143	16	1028	
3	ALL OTHER DISEASES OF BLOOD & BLOOD FORMING ORGANS (D65-D77)	Male	0	4	1	13	3	10	12	6	4	5	1	59	
		Female	0	5	4	21	14	10	11	1	0	7	0	73	
4	CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D80-D89)	Male	0	1	1	2	1	6	3	3	0	0	0	17	
		Female	0	0	0	1	3	0	0	0	0	0	0	4	
IV	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	15	53	18	56	82	173	477	718	449	1099	46	3186	
		Female	0	32	21	35	48	98	271	461	261	721	6	1954	
		Total	15	85	39	91	130	271	748	1179	710	1820	52	5140	
20	MALNUTRITION(E40-E46)	Male	0	41	5	2	1	4	12	16	3	14	0	98	
		Female	0	23	5	2	4	0	3	2	3	18	0	60	
		Total	0	64	10	4	5	4	15	18	6	32	0	158	
1	KWASHIORKOR(E40)	Male	0	6	0	0	0	1	1	0	0	1	0	9	
		Female	0	6	1	0	0	0	1	0	0	4	0	12	
2	NUTRITIONAL MARASMUS(E41)	Male	0	19	5	1	0	1	7	13	3	7	0	56	
		Female	0	7	4	2	1	0	1	1	1	12	0	29	
3	OTHER PROTEIN-ENERGY MALNUTRITION(E42-E46)	Male	0	16	0	1	1	2	4	3	0	6	0	33	
		Female	0	10	0	0	3	0	1	1	2	2	0	19	
21	ENDOCRINE,OTHER NUTRITIONAL AND METABOLIC DISEASES (E00-E34 & E50-E89)	Male	15	12	13	54	81	169	465	702	446	1085	46	3088	
		Female	0	9	16	33	44	98	268	459	258	703	6	1894	
		Total	15	21	29	87	125	267	733	1161	704	1788	52	4982	
1	DISORDERS OF THYROID GLAND(E00-E07)	Male	0	0	0	1	0	0	8	1	1	13	0	24	
		Female	0	1	1	1	9	5	12	16	6	26	0	77	

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											N.S	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
2	DIABETES MELLITUS(E10-E14)	Male	0	5	8	41	63	138	410	669	423	1006	45	2808	
		Female	0	1	8	25	25	71	242	407	233	622	6	1640	
3	ALL OTHER NUTRITIONAL DEFICIENCIES(E50-E64)	Male	0	0	0	1	0	1	0	1	0	0	0	3	
		Female	0	0	0	0	0	0	1	2	0	2	0	5	
4	ALL OTHER ENDOCRINE AND METABOLIC DISEASES (E15-E34 & E65-E89)	Male	15	7	5	11	18	30	47	31	22	66	1	253	
		Female	0	7	7	7	10	22	13	34	19	53	0	172	
V	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0	0	0	5	61	116	90	47	6	30	10	365	
		Female	0	0	0	3	6	4	11	4	2	3	0	33	
		Total	0	0	0	8	67	120	101	51	8	33	10	398	
22	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0	0	0	5	61	116	90	47	6	30	10	365	
		Female	0	0	0	3	6	4	11	4	2	3	0	33	
		Total	0	0	0	8	67	120	101	51	8	33	10	398	
1	MENTAL AND BEHAVIOURAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE (F10-F19)	Male	0	0	0	0	57	112	88	45	6	24	10	342	
		Female	0	0	0	0	6	3	6	2	1	0	0	18	
2	SCHIZOPHRENIA, SCHIZOTYPAL & DELUSIONAL DISORDERS (F20-F29)	Male	0	0	0	3	1	1	1	0	0	1	0	7	
		Female	0	0	0	0	0	1	2	2	0	2	0	7	
3	ALL OTHER MENTAL BEHAVIOURAL DISORDERS (F01-F09,F30-F99)	Male	0	0	0	2	3	3	1	2	0	5	0	16	
		Female	0	0	0	3	0	0	3	0	1	1	0	8	
VI	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	Male	184	157	130	127	155	224	196	209	64	319	15	1780	
		Female	133	99	111	97	117	71	91	103	33	171	35	1061	
		Total	317	256	241	224	272	295	287	312	97	490	50	2841	

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
23	INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYTEM(G00-G09)	Male	135	88	75	75	104	110	78	48	13	58	5	789
		Female	93	63	66	49	59	33	49	32	12	39	12	507
		Total	228	151	141	124	163	143	127	80	25	97	17	1296
1	MENINGITIS(G00 & G03)	Male	103	62	42	50	72	79	44	29	5	44	2	532
		Female	79	34	40	20	44	19	34	18	11	34	6	339
2	ENCEPHALITIS,MYELITIS AND ENCEPHALOMYELITIS(G04)	Male	30	26	32	24	30	27	32	17	7	14	3	242
		Female	13	29	25	25	15	14	15	14	1	3	6	160
3	OTHER INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM(G06,G08-G09)	Male	2	0	1	1	2	4	2	2	1	0	0	15
		Female	1	0	1	4	0	0	0	0	0	2	0	8
24	OTHER DISEASES OF THE NERVOUS SYSTEM(G10-G98)	Male	49	69	55	52	51	114	118	161	51	261	10	991
		Female	40	36	45	48	58	38	42	71	21	132	23	554
		Total	89	105	100	100	109	152	160	232	72	393	33	1545
1	ALZHEIMER'S DISEASE(G30)	Male	0	0	0	0	0	0	0	0	0	4	0	4
		Female	0	0	0	0	0	0	0	0	0	3	0	3
2	EPILEPSY(G40-G41)	Male	0	14	22	8	13	20	13	16	3	11	0	120
		Female	0	9	14	15	11	9	5	3	0	8	1	75
3	ALL OTHER DISEASES OF THE NERVOUS SYSTEM (G10-G25,G31,G35-G37,G43-G98)	Male	49	55	33	44	38	94	105	145	48	246	10	867
		Female	40	27	31	33	47	29	37	68	21	121	22	476
VII	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0	1	0	0	1	1	0	0	1	1	0	5
		Female	0	0	0	0	1	0	0	0	0	0	0	1
		Total	0	1	0	0	2	1	0	0	1	1	0	6

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
25	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0	1	0	0	1	1	0	0	1	1	0	5
		Female	0	0	0	0	1	0	0	0	0	0	0	1
		Total	0	1	0	0	2	1	0	0	1	1	0	6
1	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0	1	0	0	1	1	0	0	1	1	0	5
		Female	0	0	0	0	1	0	0	0	0	0	0	1
VIII	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	0	0	0	0	0	0	1	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
		Total	0	0	0	0	0	0	0	0	0	1	0	1
26	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	0	0	0	0	0	0	1	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
		Total	0	0	0	0	0	0	0	0	0	1	0	1
1	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	0	0	0	0	0	0	1	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
IX	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	Male	2	6	31	40	577	1096	2331	2929	1771	4802	286	13871
		Female	3	6	23	56	347	478	858	1262	1014	2947	99	7093
		Total	5	12	54	96	924	1574	3189	4191	2785	7749	385	20964
27	ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASES(I00-I09)	Male	2	6	31	40	55	48	42	24	11	31	9	299
		Female	3	6	23	56	66	72	43	39	16	38	11	373
		Total	5	12	54	96	121	120	85	63	27	69	20	672
1	ACUTE RHEUMATIC FEVER(I00-I02)	Male	0	3	2	3	0	0	0	0	1	1	0	10
		Female	0	2	4	2	0	0	0	0	1	1	0	10
2	CHRONIC RHEUMATIC HEART DISEASES(I05-I09)	Male	2	3	29	37	55	48	42	24	10	30	9	289
		Female	3	4	19	54	66	72	43	39	15	37	11	363

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STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											N.S	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
28	HYPERTENSIVE DISEASES(I10-I15)	Male	0	0	0	0	47	93	321	435	228	726	35	1885	
		Female	0	0	0	0	13	48	137	241	189	532	14	1174	
		Total	0	0	0	0	60	141	458	676	417	1258	49	3059	
1	HYPERTENSIVE HEART DISEASES(I11)	Male	0	0	0	0	2	2	8	7	2	20	0	41	
		Female	0	0	0	0	0	0	2	5	2	9	2	20	
2	ALL OTHER HYPERTENSIVE DISEASES(I10,I12-I15)	Male	0	0	0	0	45	91	313	428	226	706	35	1844	
		Female	0	0	0	0	13	48	135	236	187	523	12	1154	
29	ISCHAEMIC HEART DISEASES(I20-I25)	Male	0	0	0	0	159	393	941	1216	741	1905	107	5462	
		Female	0	0	0	0	45	107	258	455	354	1066	19	2304	
		Total	0	0	0	0	204	500	1199	1671	1095	2971	126	7766	
1	ACUTE MYOCARDIAL INFARCTION(I21-I22)	Male	0	0	0	0	127	315	688	836	462	1196	83	3707	
		Female	0	0	0	0	24	77	178	298	213	673	11	1474	
2	ALL OTHER ISCHAEMIC HEART DISEASES(I20& I23-I25)	Male	0	0	0	0	32	78	253	380	279	709	24	1755	
		Female	0	0	0	0	21	30	80	157	141	393	8	830	
30	DISEASES OF PULMONARY CIRCULATION AND OTHER FORMS OF HEART DISEASE(I26-I51)	Male	0	0	0	0	172	266	534	669	424	1186	79	3330	
		Female	0	0	0	0	122	134	231	251	207	741	26	1712	
		Total	0	0	0	0	294	400	765	920	631	1927	105	5042	
1	PULMONARY HEART DISEASES AND DISEASES OF PULMONARY CIRCULATION(I26-I28)	Male	0	0	0	0	31	69	148	242	182	423	38	1133	
		Female	0	0	0	0	32	26	60	77	56	192	6	449	
2	OTHER FORMS OF HEART DISEASES(I30-I51)	Male	0	0	0	0	141	197	386	427	242	763	41	2197	
		Female	0	0	0	0	90	108	171	174	151	549	20	1263	

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STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											N.S	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
31	CEREBROVASCULAR DISEASES(I60-I69)	Male	0	0	0	0	123	270	451	529	347	897	55	2672	
		Female	0	0	0	0	82	94	168	248	238	536	22	1388	
		Total	0	0	0	0	205	364	619	777	585	1433	77	4060	
1	CEREBROVASCULAR DISEASES(I60-I69)	Male	0	0	0	0	123	270	451	529	347	897	55	2672	
		Female	0	0	0	0	82	94	168	248	238	536	22	1388	
32	OTHER DISEASES OF THE CIRCULATORY SYSTEM(I70-I99)	Male	0	0	0	0	21	26	42	56	20	57	1	223	
		Female	0	0	0	0	19	23	21	28	10	34	7	142	
		Total	0	0	0	0	40	49	63	84	30	91	8	365	
1	ATHEROSCLEROSIS(I70)	Male	0	0	0	0	0	0	7	10	4	9	0	30	
		Female	0	0	0	0	1	0	2	5	4	4	0	16	
2	ARTERIAL EMBOLISM AND THROMBOSIS(I74)	Male	0	0	0	0	2	1	1	4	1	0	0	9	
		Female	0	0	0	0	0	3	0	0	1	2	0	6	
3	OTHER DISEASES OF ARTERIES, ARTERIOLES & CAPILLARIES(I71-I73 & I77-I78)	Male	0	0	0	0	4	3	8	11	4	18	0	48	
		Female	0	0	0	0	0	8	6	7	1	6	1	29	
4	PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS(I80-I82)	Male	0	0	0	0	8	11	14	12	2	15	0	62	
		Female	0	0	0	0	11	8	9	8	0	8	5	49	
5	ALL OTHER DISEASES OF THE CIRCULATORY SYSTEM(I83-I99)	Male	0	0	0	0	7	11	12	19	9	15	1	74	
		Female	0	0	0	0	7	4	4	8	4	14	1	42	
X	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	Male	14	55	50	70	146	211	424	611	307	1094	61	3043	
		Female	5	66	40	57	103	102	176	218	137	466	23	1393	
		Total	19	121	90	127	249	313	600	829	444	1560	84	4436	

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MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											N.S	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
33	DISEASES OF THE UPPER RESPIRATORY TRACT (J00-J06 & J30-J39)	Male	2	2	2	0	0	3	6	0	1	5	0	21	
		Female	2	0	0	0	0	0	8	1	0	3	0	14	
		Total	4	2	2	0	0	3	14	1	1	8	0	35	
1	ACUTE PHARYNGITIS AND ACUTE TONSILLITIS(J02-J03)	Male	0	2	0	0	0	0	0	0	0	0	0	2	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
2	ACUTE LARYNGITIS AND TRACHEITIS(J04)	Male	2	0	0	0	0	2	0	0	1	0	0	5	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
3	OTHER ACUTE UPPER RESPIRATORY INFECTIONS (J00-J01 & J05-J06)	Male	0	0	2	0	0	1	1	0	0	1	0	5	
		Female	2	0	0	0	0	0	2	1	0	1	0	6	
4	ALL OTHER DISEASES OF UPPER RESPIRATORY TRACT(J30-J39)	Male	0	0	0	0	0	0	5	0	0	4	0	9	
		Female	0	0	0	0	0	0	6	0	0	2	0	8	
34	LOWER RESPIRATORY DISEASES(J20-J22 & J40-J47)	Male	12	1	2	0	30	70	234	428	210	735	36	1758	
		Female	3	2	2	1	28	51	95	125	100	272	10	689	
		Total	15	3	4	1	58	121	329	553	310	1007	46	2447	
1	ACUTE BRONCHITIS AND ACUTE BRONCHIOLITIS(J20-J21)	Male	12	1	2	0	0	0	0	2	1	2	0	20	
		Female	3	2	2	1	0	0	1	1	2	0	0	12	
2	BRONCHITIS, CHRONIC AND UNSPECIFIED EMPHYSEMA(J40-J43)	Male	0	0	0	0	3	5	18	27	15	36	4	108	
		Female	0	0	0	0	0	5	4	11	10	18	1	49	
3	ASTHMA(J45-J46)	Male	0	0	0	0	12	33	80	150	78	284	10	647	
		Female	0	0	0	0	21	32	51	78	60	144	7	393	
4	OTHER LOWER RESPIRATORY DISORDERS(J22,J44 & J47)	Male	0	0	0	0	15	32	136	249	116	413	22	983	
		Female	0	0	0	0	7	14	39	35	28	110	2	235	

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MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
35	OTHER DISEASES OF THE RESPIRATORY SYSTEM (J10-J18,J60-J98)	Male	0	52	46	70	116	138	184	183	96	354	25	1264
		Female	0	64	38	56	75	51	73	92	37	191	13	690
		Total	0	116	84	126	191	189	257	275	133	545	38	1954
1	INFLUENZA(J10-J11)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
2	PNEUMONIA(J12-J18)	Male	0	35	19	23	48	47	69	72	31	129	12	485
		Female	0	46	21	13	23	26	32	34	9	74	5	283
3	PLEURISY(J90)	Male	0	0	3	7	15	16	27	15	14	15	0	112
		Female	0	2	3	6	7	2	11	7	3	7	0	48
4	ALL OTHER DISEASES OF THE RESPIRATORY SYSTEM (J60-J86,J92-J98)	Male	0	17	24	40	53	75	88	96	51	210	13	667
		Female	0	16	14	37	45	23	30	51	25	110	8	359
XI	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	Male	0	29	41	110	419	759	1105	821	220	614	59	4177
		Female	0	20	31	97	114	166	220	187	61	191	7	1094
		Total	0	49	72	207	533	925	1325	1008	281	805	66	5271
36	DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS(K00-K14)	Male	0	0	0	0	0	0	4	2	0	1	0	7
		Female	0	0	0	1	0	0	1	2	0	0	0	4
		Total	0	0	0	1	0	0	5	4	0	1	0	11
1	DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS(K00-K14)	Male	0	0	0	0	0	0	4	2	0	1	0	7
		Female	0	0	0	1	0	0	1	2	0	0	0	4
37	DISEASES OF THE OTHER PARTS OF DIGESTIVE SYSTEM(K20-K92)	Male	0	29	41	110	419	759	1101	819	220	613	59	4170
		Female	0	20	31	96	114	166	219	185	61	191	7	1090
		Total	0	49	72	206	533	925	1320	1004	281	804	66	5260

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	GASTRIC AND DUODENAL ULCER(K25-K27)	Male	0	0	0	0	22	30	27	46	21	57	10	213
		Female	0	0	0	0	2	10	3	6	0	15	4	40
2	GASTRITIS AND DUODENITIS (K29)	Male	0	0	0	0	2	1	3	0	3	0	0	9
		Female	0	0	0	0	0	2	1	0	0	0	0	3
3	DISEASES OF APPENDIX(K35-K38)	Male	0	0	0	0	44	83	100	121	36	74	4	462
		Female	0	0	0	0	7	20	26	18	2	14	0	87
4	HERNIA(K40-K46)	Male	0	0	0	0	1	0	1	6	3	18	2	31
		Female	0	0	0	7	1	3	4	2	0	1	0	18
5	PARALYTIC ILEUS AND INTESTINAL OBSTRUCTION WITHOUT HERNIA(K56)	Male	0	0	0	8	12	15	20	47	13	47	4	166
		Female	0	0	0	2	8	13	11	28	11	21	1	95
6	PERITONITIS(K65)	Male	0	0	3	35	57	55	100	69	10	63	2	394
		Female	0	3	2	28	14	14	22	28	13	7	0	131
7	DISEASES OF THE LIVER(K70-K76)	Male	0	28	29	52	208	461	723	413	93	245	25	2277
		Female	0	17	20	42	60	71	117	76	23	76	2	504
8	CHOLELITHIASIS AND CHOLECYSTITIS(K80-K81)	Male	0	0	0	0	1	2	3	3	3	2	0	14
		Female	0	0	0	0	1	3	2	4	1	5	0	16
9	DISORDERS OF THE PANCREAS(K85-K86)	Male	0	0	0	0	24	43	34	36	14	25	3	179
		Female	0	0	0	0	6	10	8	4	4	10	0	42
10	ALL OTHER DISEASES OF THE OTHER PARTS OF DIGESTIVE SYSTEM(K20-K22,K28,K30-K31,K50-K55,K57-K63,K66,K82-K83 & K90-K92)	Male	0	1	9	15	48	69	90	78	24	82	9	425
		Female	0	0	9	17	15	20	25	19	7	42	0	154

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											N.S	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
XII	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0	0	6	18	23	48	55	73	40	123	8	394	
		Female	0	0	2	21	5	21	42	41	5	64	6	207	
		Total	0	0	8	39	28	69	97	114	45	187	14	601	
38	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0	0	6	18	23	48	55	73	40	123	8	394	
		Female	0	0	2	21	5	21	42	41	5	64	6	207	
		Total	0	0	8	39	28	69	97	114	45	187	14	601	
1	INFECTIONS OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L08)	Male	0	0	6	11	10	37	40	47	35	79	6	271	
		Female	0	0	2	8	1	14	24	37	1	34	4	125	
2	ALL OTHER DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L10-L98)	Male	0	0	0	7	13	11	15	26	5	44	2	123	
		Female	0	0	0	13	4	7	18	4	4	30	2	82	
XIII	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	Male	0	0	0	2	4	6	7	15	5	15	1	55	
		Female	0	0	0	0	7	9	8	14	10	16	1	65	
		Total	0	0	0	2	11	15	15	29	15	31	2	120	
39	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	Male	0	0	0	2	4	6	7	15	5	15	1	55	
		Female	0	0	0	0	7	9	8	14	10	16	1	65	
		Total	0	0	0	2	11	15	15	29	15	31	2	120	
1	RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHRITIS(M05-M13)	Male	0	0	0	1	0	2	3	5	5	9	1	26	
		Female	0	0	0	0	3	3	5	12	8	10	1	42	
2	OSTEOMYELITIS(M86)	Male	0	0	0	0	1	1	0	1	0	1	0	4	
		Female	0	0	0	0	3	2	0	0	0	0	0	5	
3	ALL OTHER DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (M00-M02,M15-M43,M45-M85,M87-M99)	Male	0	0	0	1	3	3	4	9	0	5	0	25	
		Female	0	0	0	0	1	4	3	2	2	6	0	18	

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
XIV	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0	0	38	69	119	171	231	262	123	415	11	1439
		Female	0	0	12	51	64	64	97	122	78	208	3	699
		Total	0	0	50	120	183	235	328	384	201	623	14	2138
40	DISEASES OF URINARY SYSTEM(N00-N39)	Male	0	0	38	69	116	164	220	258	118	408	11	1402
		Female	0	0	12	49	60	59	92	119	76	202	3	672
		Total	0	0	50	118	176	223	312	377	194	610	14	2074
1	GLOMERULAR DISEASES(INCLUDING NEPHRITIC SYNDROME) (N00-N07)	Male	0	0	6	9	8	2	7	5	1	4	0	42
		Female	0	0	2	8	6	1	0	3	2	4	0	26
2	RENAL TUBULO-INTERSTITIAL DISEASES(N10-N15)	Male	0	0	0	4	3	2	5	4	4	10	0	32
		Female	0	0	1	0	1	1	3	2	0	4	0	12
3	RENAL FAILURE(N17-N19)	Male	0	0	32	51	95	151	193	229	103	339	11	1204
		Female	0	0	9	41	51	51	78	97	64	168	2	561
4	UROLITHIASIS(N20-N23)	Male	0	0	0	0	0	0	1	0	0	0	0	1
		Female	0	0	0	0	0	0	0	0	0	2	0	2
5	OTHER DISORDERS OF KIDNEY AND URETER(N25-N28)	Male	0	0	0	3	1	3	5	7	1	11	0	31
		Female	0	0	0	0	2	1	4	2	0	2	0	11
6	ALL OTHER DISEASES OF URINARY SYSTEM(N30-N39)	Male	0	0	0	2	9	6	9	13	9	44	0	92
		Female	0	0	0	0	0	5	7	15	10	22	1	60
41	OTHER DISEASES OF THE GENITOURINARY SYSTEM(N40-N99)	Male	0	0	0	0	3	7	11	4	5	7	0	37
		Female	0	0	0	2	4	5	5	3	2	6	0	27
		Total	0	0	0	2	7	12	16	7	7	13	0	64

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	HYPERPLASIA OF PROSTATE(N40)	Male	0	0	0	0	0	0	0	0	1	2	0	3
2	ALL OTHER DISEASES OF MALE GENITAL ORGANS(N41-N50)	Male	0	0	0	0	3	7	11	4	4	5	0	34
3	SALPINGITIS AND OOPHORITIS(N70)	Female	0	0	0	0	0	0	0	0	0	0	0	0
4	ALL OTHER DISEASES OF FEMALE GENITAL ORGANS (N60-N64,N71-N76,N80-N99)	Female	0	0	0	2	4	5	5	3	2	6	0	27
XV	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (000-099)	Female	0	0	0	395	424	38	0	0	0	0	0	857
		Total	0	0	0	395	424	38	0	0	0	0	0	857
42	PREGNANCY WITH ABORTIVE OUTCOME (000-008)	Female	0	0	0	1	8	1	0	0	0	0	0	10
		Total	0	0	0	1	8	1	0	0	0	0	0	10
1	SPONTANEOUS ABORTION (O03)	Female	0	0	0	1	0	1	0	0	0	0	0	2
2	MEDICAL ABORTION(O04)	Female	0	0	0	0	0	0	0	0	0	0	0	0
3	OTHER PREGNANCIES WITH ABORTIVE OUTCOME (O00-O02 & O05-O08)	Female	0	0	0	0	8	0	0	0	0	0	0	8
43	OTHER DIRECT OBSTETRIC DEATHS (O10-O92)	Female	0	0	0	360	389	32	0	0	0	0	0	781
		Total	0	0	0	360	389	32	0	0	0	0	0	781
1	OEDEMA,PROTEINURIA AND HYPERTENSIVE DISORDERS IN PREGNANCY,CHILD BIRTH AND PUERPERIUM(O10-O16)	Female	0	0	0	101	62	9	0	0	0	0	0	172
2	INFECTIONS OF GENITOURINARY TRACT IN PREGNANCY(O23)	Female	0	0	0	0	2	0	0	0	0	0	0	2
3	OBSTRUCTED LABOUR(O64-O66)	Female	0	0	0	1	0	0	0	0	0	0	0	1

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	COMPLICATIONS PRE-DOMINANTLY RELATED TO THE PUERPERIUM(O85-O92)	Female	0	0	0	167	176	12	0	0	0	0	0	355
5	OTHER COMPLICATIONS OF PREGNANCY AND DELIVERY (O20-O22,O24-O63,O67-O75, O80-O84)	Female	0	0	0	91	149	11	0	0	0	0	0	251
44	OTHER OBSTETRIC CONDITIONS,NOT ELSEWHERE CLASSIFIED(O95-O99)	Female	0	0	0	34	27	5	0	0	0	0	0	66
		Total	0	0	0	34	27	5	0	0	0	0	0	66
1	INDIRECT OBSTETRIC DEATHS(O98-O99)	Female	0	0	0	34	27	5	0	0	0	0	0	66
2	ALL OTHER OBSTETRIC CONDITIONS,NOT ELSEWHERE CLASSIFIED (O95-O97)	Female	0	0	0	0	0	0	0	0	0	0	0	0
XVI	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	Male	5017	0	0	0	0	0	0	0	0	0	0	5017
		Female	2785	0	0	0	0	0	0	0	0	0	0	2785
		Total	7802	0	0	0	0	0	0	0	0	0	0	7802
45	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (P00-P96)	Male	5017	0	0	0	0	0	0	0	0	0	0	5017
		Female	2785	0	0	0	0	0	0	0	0	0	0	2785
		Total	7802	0	0	0	0	0	0	0	0	0	0	7802
1	SLOW FETAL GROWTH,FETAL MALNUTRITION AND IMMATUREITY (P05-P07)	Male	2053	0	0	0	0	0	0	0	0	0	0	2053
		Female	1209	0	0	0	0	0	0	0	0	0	0	1209
2	BIRTH TRAUMA(P10-P15)	Male	7	0	0	0	0	0	0	0	0	0	0	7
		Female	2	0	0	0	0	0	0	0	0	0	0	2
3	HYPOXIA,BIRTH ASPHYXIA AND OTHER RESPIRATORY CONDITIONS(P20-P28)	Male	1829	0	0	0	0	0	0	0	0	0	0	1829
		Female	958	0	0	0	0	0	0	0	0	0	0	958

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	HAEMOLYTIC DISEASE OF FETUS AND NEW-BORN (P55)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	1	0	0	0	0	0	0	0	0	0	0	1
5	OTHER PERINATAL JAUNDICE(P58-P59)	Male	48	0	0	0	0	0	0	0	0	0	0	48
		Female	21	0	0	0	0	0	0	0	0	0	0	21
6	ALL OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P04,P08,P29-P54, P56-P57,P60-P96)	Male	1080	0	0	0	0	0	0	0	0	0	0	1080
		Female	594	0	0	0	0	0	0	0	0	0	0	594
XVII	CONGENITAL MALFORMATIONS,DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	Male	474	46	21	0	0	541						
		Female	227	36	29	0	0	292						
		Total	701	82	50	0	0	833						
46	CONGENITAL MALFORMATIONS,DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	Male	474	46	21	0	0	541						
		Female	227	36	29	0	0	292						
		Total	701	82	50	0	0	833						
1	SPINA BIFIDA(Q05)	Male	6	0	0	0	0	0	0	0	0	0	0	6
		Female	0	1	0	0	0	0	0	0	0	0	0	1
2	CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM(Q20-Q28)	Male	283	20	15	0	0	0	0	0	0	0	0	318
		Female	139	21	21	0	0	0	0	0	0	0	0	181
3	CLEFT LIP AND CLEFT PALATE(Q35-Q37)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
4	ALL OTHER CONGENITAL MALFORMATIONS,DEFORMATIONS & CHROMOSOMAL ABNORMALITIES ELSEWHERE CLASSIFIED (Q00-Q04,Q06-Q07,Q10-Q18,Q30-Q34,Q38-Q99)	Male	185	26	6	0	0	0	0	0	0	0	0	217
		Female	88	14	8	0	0	0	0	0	0	0	0	110
XVIII	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS,NOT ELSEWHERE CLASSIFIED (R00-R99)	Male	0	33	43	125	204	227	337	341	218	1012	41	2581
		Female	0	6	30	114	103	84	165	146	114	771	22	1555
		Total	0	39	73	239	307	311	502	487	332	1783	63	4136

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
47	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS,NOT ELSEWHERE CLASSIFIED (R00-R99)	Male	0	33	43	125	204	227	337	341	218	1012	41	2581
		Female	0	6	30	114	103	84	165	146	114	771	22	1555
		Total	0	39	73	239	307	311	502	487	332	1783	63	4136
1	ABDOMINAL AND PELVIC PAIN(R10)	Male	0	0	0	0	5	3	0	3	0	5	0	16
		Female	0	0	1	2	1	0	0	0	0	0	0	4
2	ASCITES(R18)	Male	0	0	0	0	0	5	5	2	1	3	0	16
		Female	0	0	0	0	0	0	2	3	2	1	0	8
3	SOMNOLENCE, STUPOR AND COMA(R40)	Male	0	0	0	0	1	2	0	0	1	1	0	5
		Female	0	1	0	0	1	0	0	1	0	0	0	3
4	FEVER OF UNKNOWN ORIGIN(R50)	Male	0	0	0	0	3	2	4	7	1	6	0	23
		Female	0	0	1	2	4	1	6	0	1	0	0	15
5	SENILITY(R54)	Male	0	0	0	0	0	0	0	0	31	450	0	481
		Female	0	0	0	0	0	0	0	0	19	413	2	434
6	SYNCOPE AND COLLAPSE(R55)	Male	0	0	0	1	0	1	0	0	2	0	0	4
		Female	0	0	0	0	0	0	0	0	0	0	0	0
7	CONVULSIONS, NOT ELSEWHERE CLASSIFIED(R56)	Male	0	5	0	2	2	1	3	1	1	5	0	20
		Female	0	0	1	1	1	1	2	1	1	1	0	9
8	SHOCK, NOT ELSEWHERE CLASSIFIED(R57)	Male	0	0	0	10	21	16	20	34	14	27	3	145
		Female	0	0	0	13	16	7	11	12	11	28	2	100
9	ALL OTHER SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS,NOT ELSEWHERE CLASSIFIED (R00-R09,R11-R17,R19-R39,R41-R49,R51-R53,R58-R99)	Male	0	28	43	112	172	197	305	294	167	515	38	1871
		Female	0	5	27	96	80	75	144	129	80	328	18	982

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STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											N.S	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
XIX	INJURY, POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES(S00-T98)	Male	21	95	207	990	1348	1057	807	519	147	631	5	5827	
		Female	20	72	158	1119	913	471	252	151	69	329	5	3559	
		Total	41	167	365	2109	2261	1528	1059	670	216	960	10	9386	
48	FRACTURES(S02,S12,S22,S32,S42,S52,S62,S72,S82,S92, T10,T12,T02,T08)	Male	0	1	5	19	31	40	30	32	11	44	0	213	
		Female	0	1	3	2	3	9	10	10	7	21	0	66	
		Total	0	2	8	21	34	49	40	42	18	65	0	279	
1	FRACTURE OF SKULL AND FACIAL BONES(S02)	Male	0	0	0	1	2	0	0	0	0	1	0	4	
		Female	0	0	0	0	0	0	1	0	0	0	0	1	
2	FRACTURE OF NECK, THORAX OR PELVIS(S12,S22,S32 & T08)	Male	0	0	3	9	14	25	14	16	4	8	0	93	
		Female	0	1	3	2	2	3	2	1	0	1	0	15	
3	FRACTURE OF UPPER LIMB(S42,S52,S62 & T10)	Male	0	0	0	0	2	0	0	0	0	1	0	3	
		Female	0	0	0	0	0	0	2	1	1	0	0	4	
4	FRACTURE OF LOWER LIMB(S72,S82,S92 & T12)	Male	0	1	2	9	13	15	14	14	7	33	0	108	
		Female	0	0	0	0	1	6	5	8	5	20	0	45	
5	FRACTURES INVOLVING MULTIPLE BODY REGIONS, AND OF UNSPECIFIED BODY REGION(T02)	Male	0	0	0	0	0	0	2	2	0	1	0	5	
		Female	0	0	0	0	0	0	0	0	1	0	0	1	
49	DISLOCATIONS, SPRAINS AND STRAINS OF SPECIFIED AND MULTIPLE BODY REGIONS (S03,S13,S23,S33,S43,S53,S63, S73,S83,S93,T03)	Male	0	0	0	0	3	0	1	3	0	0	0	7	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
		Total	0	0	0	0	3	0	1	3	0	0	0	7	
50	INTRACRANIAL AND INTERNAL INJURIES INCLUDING NERVES (S04,S06,S14,S26-S27,S34,S36-S37,S44,S54, S64,S74,S84 & S94)	Male	3	3	22	100	181	150	106	68	22	80	0	735	
		Female	1	6	16	14	16	24	31	18	4	36	0	166	
		Total	4	9	38	114	197	174	137	86	26	116	0	901	

TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
51	CRUSHING INJURIES AND TRAUMATIC AMPUTATIONS OF SPECIFIED AND MULTIPLE BODY REGIONS (S07-S08, S17-S18,S28,S38,S47-S48,S57,S77-S78,S87-S88,S97-S98, T04-T05,S58,S67-S68)	Male	1	0	2	1	5	4	5	5	1	3	0	27
		Female	0	0	2	0	0	0	1	4	0	3	0	10
		Total	1	0	4	1	5	4	6	9	1	6	0	37
52	OTHER INJURIES OF SPECIFIED,UNSPECIFIED AND MULTIPLE BODY REGIONS(S00-S01,SS15-S16,S19-S21,S25, S29-S31,S35,S39-S41,S45-S46,S49-S51,S55-S56,S59-S61,S65-S66,S69-S71,S75-S76,S79-S81,S85-S86,S90-S91,S95-S96,S99,T00-T01,T06-T07,T09,T11 & T13-T14)	Male	2	21	62	210	320	258	213	164	45	188	1	1484
		Female	4	20	18	31	26	34	39	18	19	49	1	259
		Total	6	41	80	241	346	292	252	182	64	237	2	1743
53	EFFECTS OF FOREIGN BODY ENTERING THROUGH NATURAL ORIFICE(T15-T19)	Male	0	6	1	1	4	4	3	8	2	12	0	41
		Female	0	2	1	2	2	0	1	3	1	4	0	16
		Total	0	8	2	3	6	4	4	11	3	16	0	57
54	BURNS AND CORROSIONS(T20-T32)	Male	7	26	35	111	197	151	59	30	8	52	1	677
		Female	8	34	67	605	582	240	66	42	19	129	0	1792
		Total	15	60	102	716	779	391	125	72	27	181	1	2469
55	POISONINGS BY DRUGS AND BIOLOGICAL SUBSTANCES,AND TOXIC EFFECTS OF SUBSTANCES CHIEFLY NONMEDICINAL AS TO SOURCE(T36-T50 &T51-T65)	Male	7	31	76	521	581	421	364	195	50	228	2	2476
		Female	6	9	46	435	265	152	92	51	17	73	4	1150
		Total	13	40	122	956	846	573	456	246	67	301	6	3626
56	OTHER AND UNSPECIFIED EFFECTS OF EXTERNAL CAUSES AND CERTAIN EARLY COMPLICATIONS OF TRAUMA (T33-T35,T66-T78 & T79)	Male	1	5	1	24	17	19	7	3	4	12	0	93
		Female	1	0	4	25	16	9	5	1	0	10	0	71
		Total	2	5	5	49	33	28	12	4	4	22	0	164
57	COMPLICATIONS OF SURGICAL AND MADICAL CARE NOT ELSEWHERE CLASSIFIED(T80-T88)	Male	0	1	2	3	6	10	11	10	4	10	0	57
		Female	0	0	0	3	2	3	5	3	1	0	0	17
		Total	0	1	2	6	8	13	16	13	5	10	0	74
58	LATE EFFECTS OF INJURIES,OF POISONING AND OF OTHER CONSEQUENCES OF EXTERNAL CAUSES(T90-T98)	Male	0	1	1	0	3	0	8	1	0	2	1	17
		Female	0	0	1	2	1	0	2	1	1	4	0	12
		Total	0	1	2	2	4	0	10	2	1	6	1	29

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
XX	EXTERNAL CAUSES OF MORBIDITY AND MORTALITY (V01-Y89)	Male	21	95	207	990	1348	1057	807	519	147	631	5	5827
		Female	20	72	158	1119	913	471	252	151	69	329	5	3559
		Total	41	167	365	2109	2261	1528	1059	670	216	960	10	9386
E48	TRANSPORT ACCIDENTS(V01-V99)	Male	3	17	65	236	385	335	245	187	56	219	0	1748
		Female	4	16	26	34	32	48	61	28	20	69	1	339
		Total	7	33	91	270	417	383	306	215	76	288	1	2087
1	RAILWAY ACCIDENTS(V05,V15,V80.6,V81)	Male	0	0	0	2	6	4	3	0	0	4	0	19
		Female	0	1	0	0	0	0	2	0	0	1	0	4
2	MOTOR VEHICLE TRAFFIC ACCIDENTS(V02-V04,V09.2-V09.3 V12-V14,V20-V29,V30-V39,V40-V49,V50-V59,V60-V69,V70-V79, V80.3-V80.5,V82.1,V87.0-V87.5&V87.7-V87.8,V88.0-V88.5 &V89.2)	Male	3	16	65	234	377	329	242	187	56	212	0	1721
		Female	4	15	26	34	32	48	59	28	20	67	1	334
3	OTHER ROAD VEHICLE ACCIDENTS(V01,V06,V09.0-V09.1, V10-V11,V16-V18,V80.0-V80.V82.0,V82.2-V82.9,V87.9, V88.0-V88.5,V88.7-V88.9 & V89.0-V89.1)	Male	0	1	0	0	0	1	0	0	0	2	0	4
		Female	0	0	0	0	0	0	0	0	0	0	0	0
4	WATER TRANSPORT ACCIDENTS(V90-V94)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
5	AIR AND SPACE TRANSPORT ACCIDENTS(V95-V97)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
6	ALL OTHER TRANSPORT ACCIDENTS(V09.1,V09.9,V19,V83-V86, V89.3,V89.9 & V98-V99)	Male	0	0	0	0	2	1	0	0	0	1	0	4
		Female	0	0	0	0	0	0	0	0	0	1	0	1
E49	ACCIDENTAL FALLS(W00-W19)	Male	1	4	5	10	35	30	22	21	8	17	0	153
		Female	0	4	1	7	0	2	3	2	2	10	0	31
		Total	1	8	6	17	35	32	25	23	10	27	0	184

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
E50	ACCIDENTAL DROWING AND SUBMERSION(W65-W74)	Male	0	1	0	3	0	0	0	0	0	2	0	6
		Female	0	0	2	0	0	0	0	0	0	0	0	2
		Total	0	1	2	3	0	0	0	0	0	0	2	0
E51	EXPOSURE TO SMOKE, FIRE AND FLAMES(X00-X09)	Male	14	44	67	232	366	275	178	94	24	154	1	1449
		Female	11	42	87	647	610	258	83	60	21	149	0	1968
		Total	25	86	154	879	976	533	261	154	45	303	1	3417
E52	ACCIDENTAL POISONING BY AND EXPOSURE TO NOXIOUS SUBSTANCES(X40-X49)	Male	1	14	12	290	306	145	117	50	15	73	1	1024
		Female	1	1	11	217	128	52	27	10	5	17	1	470
		Total	2	15	23	507	434	197	144	60	20	90	2	1494
E53	INTENTIONAL SELF-HARM(SUICIDE-ATTEMPTED)(X60-X84)	Male	0	0	14	119	135	97	84	47	12	34	0	542
		Female	0	0	15	161	90	43	25	18	10	32	1	395
		Total	0	0	29	280	240	140	109	65	22	66	1	937
E54	ASSAULT(HOMICIDE)(X85-Y09)	Male	1	2	4	22	26	17	17	9	1	14	0	113
		Female	0	0	5	7	16	8	8	0	0	2	0	46
		Total	1	2	9	29	42	25	25	9	1	16	0	159
E55	OTHER VIOLENCE(Y10-Y36)	Male	0	0	0	6	14	82	75	44	13	41	1	276
		Female	0	0	1	16	9	33	21	14	2	16	2	114
		Total	0	0	1	22	23	115	96	58	15	57	3	390
1	EVENT OF UNDERTERMINED INTENT(Y10-Y34)	Male	0	0	0	6	14	82	75	44	13	41	1	276
		Female	0	0	1	16	9	33	21	14	2	16	2	114
2	LEGAL INTERVENTION(Y35)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
3	OPERATIONS OF WAR(Y36)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
E56	COMPLICATIONS OF MEDICAL AND SURGICAL CARE(Y40-Y84)	Male	0	1	0	5	3	1	6	4	1	5	0	26
		Female	0	0	0	1	4	1	2	0	0	1	0	9
		Total	0	1	0	6	7	2	8	4	1	6	0	35
1	DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE (Y40-Y59)	Male	0	0	0	2	1	0	2	0	0	1	0	6
		Female	0	0	0	0	2	0	0	0	0	0	0	2
2	MISADVENTURES DURING SURGICAL AND MEDICAL CARE, ADVERSE INCIDENTS IN DIAGNOSTIC & THERAPEUTIC USE, ABNORMAL REACTIONS AND LATE COMPLICATIONS (Y60-Y69, Y70-Y82 & Y83-Y84)	Male	0	1	0	3	2	1	4	4	1	4	0	20
		Female	0	0	0	1	2	1	2	0	0	1	0	7
E57	OTHER EXTERNAL CAUSES OF ACCIDENTAL INJURY, NOT ELSEWHERE CLASSIFIED(W20-W64, W75-W99, X10-X39, X50-X59)	Male	1	12	40	67	78	73	63	63	17	72	2	488
		Female	4	9	10	29	24	26	22	19	9	33	0	185
		Total	5	21	50	96	102	99	85	82	26	105	2	673
1	ACCIDENTS CAUSED BY MACHINERY, AND BY CUTTING PIERCING INSTRUMENTS(W24-W31)	Male	0	0	0	1	0	0	0	0	0	0	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
2	ACCIDENTS CAUSED BY FIREARM MISSILE(W32-W34)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
3	BITES OF SNAKES AND OTHER VENOMOUS ANIMALS(X20-X27)	Male	1	8	24	11	15	13	3	10	4	13	0	102
		Female	2	1	3	9	7	8	4	7	1	4	0	46
4	SUN STROKE(X32)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
5	ALL OTHER ACCIDENTS INCLUDING LATE EFFECTS(W20-W23, W35-W64, W75-W99, X10-X19, X28-X29, X30-X31, X33-X39 & X50-X59)	Male	0	4	16	55	63	60	60	53	13	59	2	385
		Female	2	8	7	20	17	18	18	12	8	29	0	139

**TABLE - 8 : MEDICALLY CERTIFIED DEATHS BY AGE AND SEX ACCORDING TO NATIONAL LIST OF TENTH REVISION OF ICD DURING THE YEAR - 2004.
STATE: KARNATAKA**

MG/ C AT/S C	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL	
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	N.S		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
E58	LATE EFFECTS OF EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(Y85-Y89)	Male	0	0	0	0	0	2	0	0	0	0	0	0	2
		Female	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	0	0	0	0	0	2	0	0	0	0	0	0	2
	ALL CAUSES(MAJOR GROUP I TO XIX)	MALE	5894	731	905	2241	4344	5715	7830	8206	4030	11878	693	52467	
		FEMALE	3291	544	738	2711	3170	2496	3283	3599	2165	7001	280	29278	
		TOTAL	9185	1275	1643	4952	7514	8211	11113	11805	6195	18879	973	81745	

Table – 9
Percentage distribution of leading major cause groups of deaths during
1993 to 2004.

Year	Leading Major Cause groups of Deaths (As per ICD – 10)								
	IX	I	XIX	XVI	X	XI	XVIII	Others	Total
1993	21.53	16.15	15.55	11.55	6.43	5.33	2.72	20.74	100.00
1994	21.93	14.79	15.97	10.4	6.23	6.04	3.4	21.24	100.00
1995	21.2	14.6	16.4	10.3	6.5	6.3	3.9	20.8	100.00
1996	21.1	14.4	15.8	10.2	7.5	6.4	4.1	20.5	100.00
1997	22	14.6	16	10.9	6.1	6.5	4.4	19.5	100.00
1998	22.1	15.5	15.3	9.3	6.4	6.6	4.6	20.2	100.00
1999	21.6	17.3	15.4	9.3	6.7	6.3	4.4	19	100.00
2000	26.31	15.16	9.21	10.27	6.42	7.25	5.67	19.71	100.00
2001	24.98	13.12	15.03	10.49	5.04	6.15	5.03	20.16	100.00
2002	25.32	12.32	13.63	10.39	5.22	6.26	5.49	21.37	100.00
2003	25.56	12.32	11.62	10.01	5.52	6.29	5.26	23.42	100.00
2004	25.65	12.24	11.48	9.54	5.43	6.45	5.06	24.15	100.00

Note: 'Others' include the remaining major cause groups.

IX – Diseases of the Circulatory System

I – Certain Infectious and Parasitic diseases

XIX – Injury, Poisoning & Certain other consequences of external causes

XVI – Certain conditions originating in the Perinatal period

X – Diseases of the Respiratory system

XI – Diseases of the digestive system

XVIII – Symptoms signs and abnormal clinical & Laboratory findings NEC

TABLE - 10**Growth in the MCCD in Karnataka**

Year	Total No. of Registered Deaths	Medically Certified Deaths	Percentage of Total Registered Deaths
1993	257133	38281	14.9
1994	282180	37511	13.3
1995	325279	38241	11.8
1996	336535	40291	12.0
1997	350264	40523	11.6
1998	374400	51598	13.8
1999	346451	54203	15.6
2000	351736	56360	16
2001	365181	57475	15.7
2002	355662	64022	18.0
2003	359661	81186	22.6
2004	343644	81745	23.79

Annexure

FORM NO. 4/4A

(See Rule 7)

MEDICAL CERTIFICATE OF CAUSE OF DEATH

(Hospital in-patients/non-institutional deaths. Not to be used for still births)

To be sent to Registrar along with Form No.2 (Death Report)

Name of the Hospital.....

I hereby certify that the person whose particulars are given below died in the hospital in Ward No.....on.....

at.....A.M./P.M.

Name of the Deceased	For use of Statistical Office
----------------------	----------------------------------

Sex	Age at Death				
	If 1 year or more,age in Years	If less than 1 year, age in Months	If less than one month, age in Days	If less than one day, age in Hours	
1. Male					
2. Female					

CAUSE OF DEATH		Interval between on set & death approx	
I			
Immediate Cause State the disease, injury or complication which caused death, not the mode of dying such as heart failure, asthenia, etc.	(a) Due to (or as a consequences of)		
Antecedent Cause Morbid conditions, if any, giving rise to the above Cause, stating underlying conditions last	(b) Due to (or as a consequences of)		
	(c)		

II Other significant conditions contributing to the death but not related to the disease or conditions causing it

<u>Manner of death</u>	How did the injury occur?
1. Natural 2. Accident 3. Suicide 4.Homicide	
5. Pending investigation	
If deceased was a female, was pregnancy the death associated with?	1. Yes 2. No
If yes, was there a delivery?	1.Yes 2.No.

Name and signature of the Medical Attendant certifying the cause of death
Date of verification.....

SEE REVERSE FOR INSTRUCTION

(To be detached and handed over to the relative of the deceased).

Certified that Shri/Smt/Kum.....S/W/D/of Shri

R/O.....was admitted to the hospital on and expired on

Doctor.....
(Medical Supdt
Name of the hospital)

Note: Except manner of death given in Form No-4, there will be no change in the content of Form No-4A.

MEDICAL CERTIFICATE OF CAUSE OF DEATH

Direction for completing the form No.4/4A

Name of deceased: To be given in full. Do not use initials. If deceased is an infant, not yet named at time of death, write. Son of (S/o) or 'Daughter of (D/o), followed by names of mother and father.

Age: If the deceased was over 1 year of age, give age in completed years. If the deceased was below 1 year of age, give age in months and if below 1 month give age in completed number of days, and if below one day, in hours.

Cause of Death: This part of the form should always be completed by the attending physician personally.

The certificate of cause of death is divided into two parts, I and II. Part I is again divided into three parts, lines (a)(b)(c). If a single morbid condition completely explains the deaths, then this will be written on line (a) of Part I, and nothing more need be written in the rest of Part I or in Part II, or example, small pox, lobar pneumonia, cardiac beriberi, are sufficient cause of death and usually nothing more is needed.

Often, however, a number of morbid conditions will have been present at death, and the doctor must then complete the certificate in the proper manner so that the correct underlying cause will be tabulated. First, enter in Part I(a) the immediate cause of death. This does not mean the mode of dying, e.g. heart failure, respiratory failure, etc. These terms should not appear on the certificate at all since they are modes of dying and not causes of death. Next consider whether the immediate cause is complication or delayed result of some other cause. If so, enter the antecedent cause in Part I, line (b). Some times there will be three stages in the course of events leading to death. If so, line (c) will be completed. The underlying cause to be tabulated is always written last in Part I.

Morbid conditions or injuries may be present which were not directly related to the train of events causing death but which contributed in some way to the fatal outcome. Sometimes the doctor finds it difficult to decide especially for infant deaths, which of several independent conditions was the primary cause of death; but only one cause can be tabulated, so the doctor must decide. If the other diseases are not effects of the underlying cause, they are entered in Part II.

Do not write two or more conditions on a single line. Please write the names of the diseases (in full) in the certificates as legibly as possible to avoid the risk of their being misread.

Onset: Complete the column for interval between onset and death whenever possible, even if very approximately, e.g. "from birth" "several years".

Accidental or violent deaths: Both the external cause and the nature of the injury are needed and should be stated. The doctor or hospital should always be able to describe the injury, stating the part of the body injured, and should give the external cause in full when this is shown. Example: (a) Hypostatic pneumonia; (b) Fracture of neck of femur, (c) Fall from ladder at home.

Maternal deaths: Be sure to answer the questions on pregnancy and delivery. This information is needed for all women of child-bearing age, even though the pregnancy may have had nothing to do with the death.

Old age or senility: Old age (or senility should be not given as a cause of death if a more specific cause is known. If old age was a contributory factor; it should be entered in Part II. Example (a) Chronic bronchitis, of old age.

Completeness of information: A complete cause history is not wanted, but, if the information is available enough details should be given to enable the underlying cause to be properly classified.

Example : Anaemia- Give type of anaemia, if known, Neoplasm-Indicate whether benign or malignant, and site with or primary neoplasm, whenever possible, Heart disease-Describe the condition specially; if congestive heart failure, chronic on pulmonale, etc., are mentioned, give the antecedent conditions. Tetanus-Describe the antecedent injury, if known. Operation-State the condition for which the operation was performed. Dysentery-Specify whether bacillary amoebic etc., if know. Complications of pregnancy or delivery-Describe the complication specifically. Tuberculosis-Give organs affected.

Symptomatic statement: Convulsions, diarrhoeas, fever, ascites, jaundice, debility, etc., are symptoms which may be due to any one of a number of different conditions. Sometimes nothing more is known but whenever possible, give the disease which caused the symptom.

Manner of Death: Deaths not due to external cause should be identified as "Natural". If the cause of death is known, but it is not known whether it was the result of an accident suicide or homicide and is subject to further investigation, the cause of death should invariably be filled in and the manner of death should be shown as "Pending investigation".