

**No. DES 10 OF 2014**



**GOVERNMENT OF KARNATAKA**

**REPORT  
ON  
MEDICAL CERTIFICATION OF  
CAUSE OF DEATH  
2012**



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

## **PREFACE**

*The Report for the year 2012 is the thirty-second in the series of the publication presenting statistics on causes of death obtained through the Civil Registration System under the registration of Births and Deaths Act, 1969.*

*2. Statistical analysis of causes of death forms an important mortality data base, which is the backbone of National Health Policy and Planning. The main aim of this report is to build mortality statistics, which is of vital importance to know the leading causes of deaths, as they are essential for prioritizing Public Health Programmes not only for the country as a whole but also equally important at regional/sub-regional level.*

*3. This report is based on the data on medically certified deaths received from Teaching, District, Specialised and General hospitals of the Karnataka State. Data on medically certified deaths received from 1375 hospitals of the state has been tabulated in conformity with the ICD-Tenth Revision. The Statistics on causes of death have been presented, cross tabulating them by age and sex. The time series data on medically certified deaths by major cause groups for the previous six years have also been added. Sri M.A. Basith, Consultant, Planning Department has reviewed the Report and offered suggestions for improvement, many of which have been incorporated in the Report.*

*4. I take this opportunity to express my sincere gratitude to the authorities of hospitals for furnishing the data, on the basis of which the Report has become possible. I am thankful to each one of them for their continued co-operation and shall be the strength in the years to come.*

*5. The data was processed in the Division dealing with Civil Registration, National Sample Survey, etc., of the Directorate.*

*Suggestions for improvement of the publication are most welcome.*

**Bangalore**  
**Date : 26.03.2014**

**K. LAKSHMIPATHY**  
**Director & Chief Registrar of**  
**Births and Deaths**

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## **EXECUTIVE SUMMARY**

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Reliable cause specific mortality statistics is required on a regular basis by Administrators, Policy Planners, Researchers and other Professionals for evidence-based decision making with regard to resource allocation, monitoring of indicators, identifying the Priorities for programmes and other related activities in the area of Public Health. Keeping this in view, the Scheme of *Medical Certification of Cause of Death (MCCD)* was introduced in the Country under the provisions of Registration of Births and Deaths (RBD) Act, 1969. Section 10(2) of the Act empowers the State government to enforce the provision relating to Medical Certification of Cause of Death (MCCD) in specified areas taking into consideration the availability of medical facilities. Section 10(3) of the Act provides for issuing a certificate of the cause of death by the medical practitioner who has attended on the deceased at the time of death.

**Methodology:** The necessary data is collected in the Prescribed forms (Form No.4 for Hospital deaths and Form No.4A for Non-institutional Deaths). Both these forms have been designed by World Health Organisation (WHO) and are supposed to be filled-up by the medical professionals attending to the deceased at the time of terminal illness. Thereafter, these forms are to be sent to the concerned Registrars of Births and Deaths for onward transmission to the Chief Registrar Office for tabulation as per National List based on International Classification of Death (ICD). The State subsequently send it to the Office of the Registrar General, India in the form of Statistical Table-9 for consolidation at the National level.

**Scope of the report:** The report on Medical Certification of Cause of Death – 2012 is based upon 125180 (Males: 79719 and Females: 45461) medically certified deaths (31.78 per cent of total registered deaths) supplied by 1375 Hospitals. As mentioned above, owing to different levels of efficiency of medical certification across the State, the number of deaths reported therein may lack the representative feature in the strict sense, however, it may be sufficient to throw some valuable insight into deaths by various cause groups and their gravity.

### **Overall Findings:**

During the year 2012, following are eight leading cause groups of deaths constituting around 88.80 per cent of total deaths:

- I. Diseases of Circulatory System (30.57 per cent).*
- II. Certain Infectious and Parasitic diseases (10.85 per cent).*
- III. Injury, Poisoning and certain other consequences of External causes (10.81 per cent).*
- IV. Certain condition originating in the perinatal period (9.27 per cent)*

V. *Diseases of the Respiratory System (8.03 per cent).*

VI. *Diseases of the Digestive System (6.57 per cent)*

VII. *Endocrine, Nutritional and Metabolic Diseases (6.48 per cent).*

VIII. *Neoplasm (6.22 per cent).*

- Among the “Diseases of the circulatory system” deaths, “*Ischemic Heart Diseases*” (IHD) account for the highest number of deaths (42.36 per cent). Around every 13<sup>th</sup> medically certified death has been reported to be caused by Ischemic Heart Disease alone.
- The major group “*Certain Infectious and Parasitic Diseases*” which is the second leading cause of death is mainly constituted by “*Respiratory Tuberculosis and septicemia*”. Under this major group, the share of these two diseases are 36.81 per cent and 18.76 percent respectively. The Respiratory Tuberculosis alone accounts for 4.00 per cent of the total medically certified deaths.
- The third leading cause group “*Injury, Poisoning and certain other consequences of External causes*” has a major constituent “*Poisonings by drugs and Biological substances and Toxic effects of substances chiefly non-medicinal as to source*” contributing around 31.77 per cent of the total deaths under this cause group and 3.43 per cent of total medically certified deaths.
- The fourth leading group “*Certain conditions originating in the perinatal period*” accounting for 9.27 per cent of the total medically certified deaths. “*Slow fetal growth, fetal malnutrition and immaturity*” accounts for 42.40 per cent of the deaths under the group and 3.93 percent of total medically certified deaths.
- The major group “*Diseases of the Respiratory System*” is the fifth leading cause “*Other Lower Respiratory Disorders*” accounting for around 33.45 per cent of the total deaths. The other major cause in this group is “*Pneumonia*” Causing 24.87 per cent of death, under total medically certified deaths, “*Pneumonia*” alone accounts for 2.00 per cent.
- The major group comprising “*Diseases of Digestive System*” is the sixth leading cause accounting for 6.57 per cent of the total medically certified deaths. Among the deaths due to disorders of digestive system “*Diseases of the Liver*” alone accounts for 68.30 per cent of the total deaths in this group.

- The group of “*Endocrine, Nutritional and Metabolic Diseases*” is the seventh leading cause group accounting for 6.48 per cent of the total medically certified deaths. Under this cause group, “*Diabetes Mellitus*” group alone accounts for 88.55 per cent of total deaths reported and 5.73 per cent of total medically certified deaths.
- The eighth leading cause group, *Neoplasms (cancer)* is responsible for 6.22 per cent of the total medically certified deaths, of which “*Malignant Neoplasm of digestive organs*” accounts for 27.25 per cent which is around one-third of deaths. This is followed by “*Malignant Neoplasms of Lymphoid, Haematopoietic and Related tissue*” accounts for one-seventh of deaths (13.50%).

**Age-wise: [TABLE-2]**

- Every tenth reported medically certified deaths has been of the infants (age less than 1 year).
- About 86.65 per cent of infant deaths have been reported to be caused by ‘*Certain conditions originating in the perinatal period*’.
- Among the children aged 1-4 years “*Certain Infectious and Parasitic Diseases*” have taken the highest toll of 32.46 per cent. In the age group 5-14 years also “*Certain Infectious and Parasitic Diseases*” claimed the topmost position with the share of 29.29 per cent.
- In the age-group of 15-24 and 25-34 years, major group. “*Injury Poisoning & certain other consequences of External causes*” is the first among the leading causes contributing around 47.25 per cent and 35.61 per cent respectively. It implies that these age-group of youth and adolescent are more vulnerable to injuries and poisoning related deaths.
- In the age-group 35-44 years, the first two leading causes “*Diseases of Circulatory System*” and “*Injury, Poisoning and certain other consequences of External causes*” are having shares of 23.67 and 18.41 per cent respectively.
- For all the age-groups of 45 years and above “*Diseases of Circulatory System*” is the first leading cause of death. The percentage contribution of this cause group for 45 years and above, to respective age-group totals have been increasing with age. The percentage share of this cause group to the total medically certified deaths for these ages varies from 31.90 per cent to 48.62 per cent.
- The highest number of deaths (25995 i.e., 20.77 per cent of total) as expected has been reported for the age-group 70 years and above.

**Gender-wise:**

- The contributions of male and female deaths in the total medically certified cases has been reported to be 63.68 per cent and 36.32 per cent respectively.
- There is no significant difference for both males and females as far as eight leading causes are concerned, except for Neoplasm, Endocrine, Nutritional and Metabolic diseases and Diseases of Digestive System deaths.
- The percentage of female neoplasm deaths to total female medically certified deaths is 7.12 per cent as compared to the corresponding male figure of 5.70 per cent. On the contrary, the percentage of female digestive system deaths to total female medically certified deaths is just 3.35 per cent as compared to the corresponding male figure of 8.40 per cent.

**CHAPTER - I**  
**INTRODUCTION**



# CHAPTER - I

## INTRODUCTION :

The age, sex and cause specific mortality rates are important indicators for evidence based monitoring of health trends in the population. The statistics on causes of death is essential for planners, administrators and medical professionals in undertaking appropriate curative and preventive measures for various health problems. It may also play an important role in furtherance of medical research and may contribute immensely in improving the methods of diagnosis and analysis. Under the system of Registration of Births and Deaths, the scheme of Medical Certification of Cause of Death forms an integral part of the Vital Statistics System which aims at providing a reliable database for generating cause specific mortality statistics on a regular basis.

**1.2** Medical Research is currently facing stiff challenges from the spread of a variety of ailments like Cancer, AIDS, Heart Diseases, Juvenile diabetes, non-communicable diseases, Swine flu and Chickungunya etc. 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 manmade causes of death, the international community of Medical Professionals, under the aegis of World Health Organisation have codified most of the disease labeling them “*International Classification of Diseases (ICD)*”.

**1.3** This ICD is customised to the Indian conditions under the scheme of “*Medical Certification of Cause of Death (MCCD)*”. Important demographic indicators like Infant Mortality Rate, Maternal Mortality Rate and Child Mortality Rate are derived using the information on MCCD.

**1.4** This report is based on the 10<sup>th</sup> revision of ICD. The statistics presented in this report, give information on cause specific mortality cross classified by sex and age-groups. The prescribed Form No. 4 (Annexure-II) 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 basis of this survey results.

**1.5** **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 sequences of events ultimately resulting in death”. The form prescribed for certification has two parts, Part-I 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-II for other significant morbid conditions, even if they were not responsible for the death.

**1.6** The scheme of Medical Certification of Cause of Death has got the statutory backing under sections 10(2) and 10(3), 17(1)(b) and 23(3) of the Registration of Births and Deaths Act, 1969.

The provisions relating to MCCD in Registration of Births & Deaths Act, 1969 are as follows:

**Section 10(2)** : In any area, the State Government having regard to the facilities available therein in this behalf may require that a certificate as to the cause of death shall be obtained by Registrar from such person and in such form as may be prescribed.

**Section 10(3)** : Where the State Government has 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 last illness, was attended by a medical practitioner, the medical practitioner shall, after the death of that person, forthwith, issue without charging 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 and belief the cause of death; and the certificate shall be received and delivered by such person to the Registrar at the time of giving information concerning the death as required by this Act.

**Section 17(1) (b)** : Subject to any rules made in this behalf by the State Government, including rules relating to the payment of fees and postal charges, any person may obtain an extract from registration records relating to any death; provided that no extract relating to any death, issued to any person, shall disclose the particulars regarding the cause of death as entered in the register.

**Section 23(3)** : Any medical practitioner who neglects or refuses to issue a certificate under sub-section (3) of section 10 and any person who neglects or refuses to deliver such certificates shall be punishable with fine which may extend to fifty rupees.

**1.7** The report is presented in 4 chapters and 3 appendices. Chapters II, III and IV deals with '*Scheme of Medical Certification of Cause of Death: Status of implementation*', '*Distribution of Deaths by Cause*' and '*Specific Cause of Mortality in different age group*' respectively.

# **CHAPTER - II**

**SCHEME OF MCCD :  
STATUS OF IMPLEMENTATION**

## CHAPTER - II

### **Scheme of MCCD : Status of Implementation :**

The RBD Act, 1969 provides for compulsory registration of births and deaths in the country. The scheme of MCCD was introduced in the State during the year 1967 with 44 selected hospitals. It was extended to 168 hospitals by 1990. 350 hospitals with bed-strength of 20 or more in towns and 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.

**2.2** In order to take the MCCD Scheme forward in a systematic manner in the country, the Registrar General, India has been impressing upon all the States / Union Territories to bring all hospitals (Government & Private) and private medical practitioners under its coverage, both in rural as well as urban areas by imposing issue of Notification. In this context, the Government of Karnataka has been issued Notification to bring all Government and Private medical institutions and private medical practitioners under the scheme of Medical Certification of Cause of Death. By 2012, 1375 hospitals have been brought under the scheme. The scheme’s ambit is confined mostly to institutional deaths. Though the sample is representative, sweeping generalisations are not recommended, since a large no. of rural events remain outside the ambit of the survey.

### **MCCD Status : State Scenario : Flow of Data and Processing :**

**2.3** The certificates of cause(s) of death certified by the doctors were sent in the prescribed Form (No.4) directly from the institutions covered under the scheme of MCCD on a monthly basis to this Directorate. They were scrutinised & coded as per ICD-10<sup>th</sup> Revision & Table-9 derived as per the National list prescribed / designed by the Registrar General, India. Data was processed at the Inhouse Computer Centre of the CNL Division of the Directorate.

**2.4** As per the reported information, the number of hospitals covered and reporting data on MCCD, District-wise and Sex-wise classification in the State is presented in the **Statement-1**.

**Statement-1**  
**DISTRICTWISE AND SEXWISE DISTRIBUTION OF NUMBER OF**  
**MEDICALLY CERTIFIED DEATHS-2012**

Sl.No	District Name	No. of Hospitals	Male	Female	Total
1	Bagalkote	65	2139	1212	3351
2	Bangalore(U)	416	23275	14042	37317
3	Bangalore®	14	327	171	498
4	Belgaum	75	4542	2346	6888
5	Bellary	45	3018	1797	4815
6	Bidar	23	1117	592	1709
7	Bijapur	40	1960	1034	2994
8	Chamarajanagar	13	326	153	479
9	Chikballapur	10	351	200	551
10	Chikmagalur	27	1368	548	1916
11	Chitradurga	20	1319	795	2114
12	D.Kannada	92	6006	3137	9143
13	Davanagere	27	3391	2209	5600
14	Dharwad	70	4905	3127	8032
15	Gadag	32	1566	989	2555
16	Gulbarga*	23	1620	1064	2684
17	Hassan	23	1486	802	2288
18	Haveri	18	824	432	1256
19	Kodagu	17	487	236	723
20	Kolar	26	1278	724	2002
21	Koppal	14	207	111	318
22	Mandya	22	1415	711	2126
23	Mysore	42	6115	3153	9268
24	Raichur	21	1464	828	2292
25	Ramanagara	13	218	109	327
26	Shimoga	52	2587	1551	4138
27	Tumkur	38	1963	1016	2979
28	Udupi	52	2702	1460	4162
29	U.Kannada	45	1743	912	2655
	<b>Total</b>	<b>1375</b>	<b>79719</b>	<b>45461</b>	<b>125180</b>
Note:	* - The Medically Certified Deaths pertaining to Yadgir district has been included in Gulbarga District.				

**2.5** During 2012, a total of 125180 medically certified deaths were reported, of which 79719 and 45461 pertained to males and females respectively. Among 3939 hospitals in the State 1375 (34.91%) hospitals were covered under Medical Certification of Cause of Death.

Out of 416 hospitals in Bangalore district, the district had reported 37317 deaths covering 29.80 per cent of total deaths.

The next highest number of hospitals (92) in Dakshina Kannada district covered under Medical Certification of Cause of Death accounted for 9143 deaths (7.3 per cent).

Less than 500 deaths were reported in the districts of Bangalore (R) (0.4%), Chamarajanagar (0.4%), Koppala (0.3%) and Ramanagar (0.3%).

**Growth in the Medical Certification of Cause of Death :**

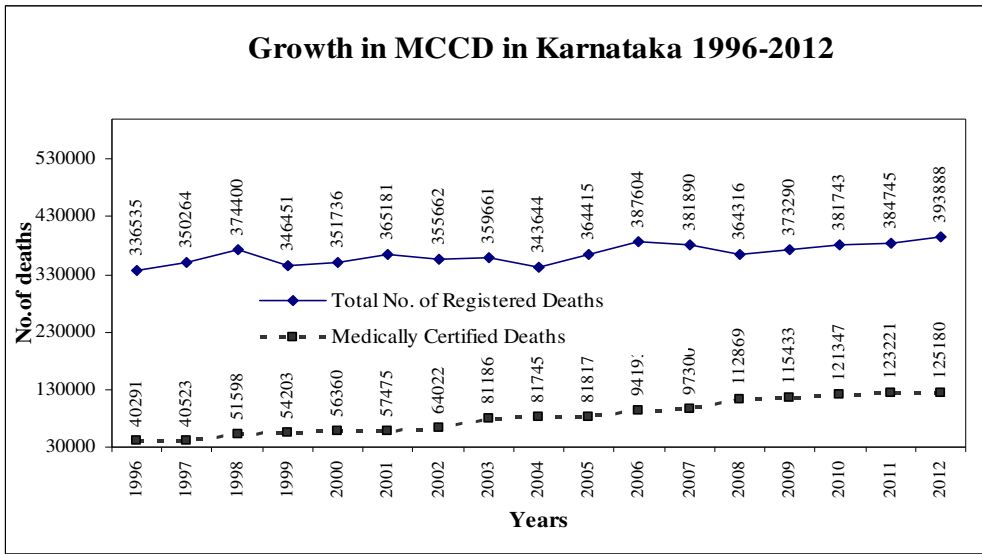
**2.6** The time series data on MCCD for the year 1995 to 2012 reveals a significant long-term growth in absolute numbers of medically certified cases. The share of medically certified deaths in total registered deaths has been fluctuating over the years. It was 11.57 per cent during the year 1997 and highest with 32.03 per cent during the year 2011. The growth in MCCD during the last 17 years is given in **Statement-2** and is highlighted in the **Chart-1**.

**Statement - 2**  
**Growth in the Medical Certification as a part of total Registered Deaths-**  
**KARNATAKA**

Year	Total No. of Registered Deaths	Medically Certified Deaths	Percentage of Medically Certified Deaths to Total Registered Deaths
1996	336535	40291	11.97
1997	350264	40523	11.57
1998	374400	51598	13.78
1999	346451	54203	15.65
2000	351736	56360	16.02
2001	365181	57475	15.74
2002	355662	64022	18.00
2003	359661	81186	22.57
2004	343644	81745	23.79
2005	364415	81817	22.45
2006	387604	94193	24.30
2007	381890	97300	25.48
2008	364316	112869	30.98
2009	373290	115433	30.92
2010	381743	121347	31.79
2011	384745	123221	32.03
2012	393888(P)*	125180	31.78

\* Provisional.

**CHART – 1**



**Growth in the Medical Certification of Cause of Death at All India Level:**

**2.8** The time series data on MCCD for the year 2004 to 2008 reveals a significant long-term growth in absolute numbers of medically certified cases. The share of medically certified deaths in total registered deaths has been increasing over the years. It was 14.2 per cent during the year 2004 and highest with 19.3 per cent during the year 2008. The growth in MCCD during the last 5 years of India is given in **Statement-2A**.

**Statement – 2A**

**Growth in the Medical Certification as a part of Total Registered Deaths – INDIA**

Year	Total No. of Registered Deaths	Medically Certified Deaths	Percentage of Medically Certified Deaths to Total Registered Deaths
2004	4258440	603260	14.2
2005	4560901	650507	14.3
2006	4327664	720047	16.6
2007	4219770	798546	18.9
2008	4560901	878339	19.3

# **CHAPTER - III**

**SCHEME OF MCCD :  
DISTRIBUTION OF DEATHS  
BY CAUSE**



## CHAPTER – III

### Distribution of Deaths by Causes

**3.1** The data on Medical Certification of Cause of Death has been presented as per the National list based on 10<sup>th</sup> revision of ICD, to facilitate meaningful comparison and drawing valid conclusions thereof. This chapter aims at summarising the findings of data reported on medically certified deaths from 1375 hospitals by age, sex and major cause groups. During 2012, a total of 125180 medically certified deaths were reported, of which 79719 and 45465 pertained to males and females respectively. The age-wise distribution of such deaths by sex is presented in the **Statement-3 & Chart-2**.

#### Statement – 3

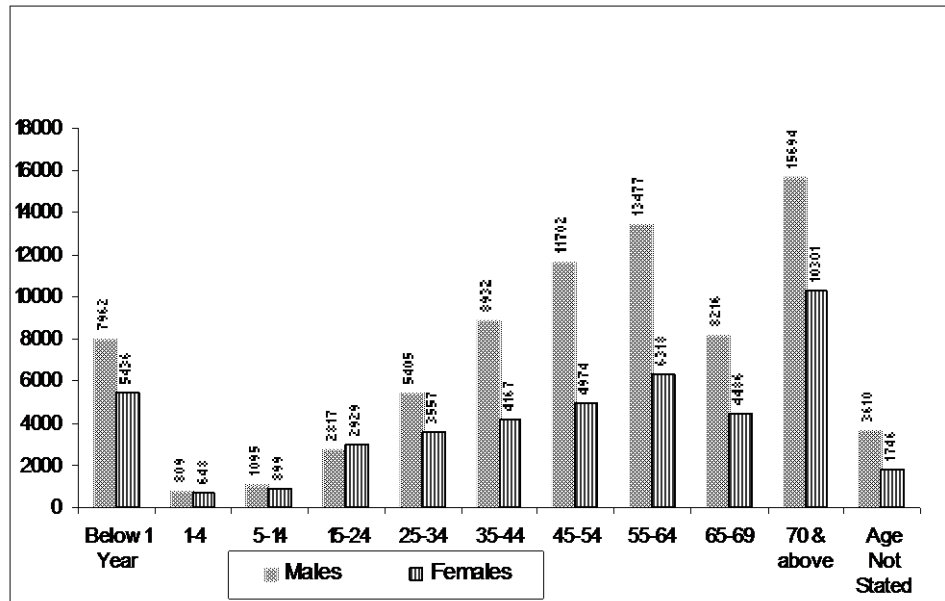
#### Age and Sex Distribution of Medically Certified Deaths – 2012

Sl. No	Age Group	Male			Female			Total	
		No.of Medically certified Deaths	Percentage to		No.of Medically certified Deaths	Percentage to		No.of Medically certified Deaths	Percent-age to total Medically certified deaths
			Total Male deaths Under MCCD	Total Medically certified deaths		Total Female deaths Under MCCD	Total Medically certified deaths		
1	Below 1 Year	7962	9.99	6.36	5436	11.96	4.34	13398	10.70
2	1-4	809	1.01	0.65	648	1.43	0.52	1457	1.16
3	5-14	1095	1.37	0.87	899	1.98	0.72	1994	1.59
4	15-24	2817	3.53	2.25	2929	6.44	2.34	5746	4.59
5	25-34	5405	6.78	4.32	3557	7.82	2.84	8962	7.16
6	35-44	8932	11.20	7.14	4167	9.17	3.33	13099	10.46
7	45-54	11702	14.68	9.35	4974	10.94	3.97	16676	13.32
8	55-64	13477	16.91	10.77	6318	13.90	5.05	19795	15.81
9	65-69	8216	10.31	6.56	4486	9.87	3.58	12702	10.15
10	70 & above	15694	19.69	12.54	10301	22.66	8.23	25995	20.77
11	Age Not Stated	3610	4.53	2.88	1746	3.84	1.39	5356	4.28
	<b>Total</b>	<b>79719</b>	<b>100.00</b>	<b>63.68</b>	<b>45461</b>	<b>100.00</b>	<b>36.32</b>	<b>125180</b>	<b>100.00</b>

Note: Due to rounding off total may not tally with aggregate.

**Chart - 2**

**DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE AND SEX UNDER MCCD – 2012**



**3.2** Statement-3 indicates the contribution of male and female deaths in the total medically certified cases were reported to be 63.68 per cent and 36.32 per cent respectively. It seems that more males are admitted to hospital during last moments as compared to females. Among the males those who crossed 70 years stood first followed by those in the age group 55-64 and 45-54 years. These three age-groups put together formed 51.28 per cent of deaths. Age group 35-44 years also had a significant place with 11.20 per cent. Infant deaths occupied the 5<sup>th</sup> place (9.99 per cent). Least vulnerable were those in the age group 1-4 years.

Among the females also 70 plus had the largest share, followed by those in the age group 55-64 years. Both put together contributed 36.56 per cent deaths. Infant deaths took 3<sup>rd</sup> position with 11.96 per cent, 23.43 per cent deaths were from the prime age group of 15-44 years. Least vulnerable was again in the age group 1-4 years.

**3.3** The eight leading cause groups of deaths viz., *Diseases of the circulatory system (I00-I99)*, *Certain Infectious and Parasitic Diseases (A00-B99)*, *Injury, Poisoning and certain other consequences of external causes (S00-T98)*, *Certain conditions originating in the perinatal period (P00-P96)*, *Diseases of the Respiratory System (J00-J98)*, *Diseases of the Digestive System (K00-K92)*, *Endocrine, Nutritional and Metabolic Diseases (E00-E89)* and *Neoplasm (C00-D48)* had taken together account for about 88.80 per cent of the total medically certified deaths which is detailed in **Statement-4**.

### Statement-4

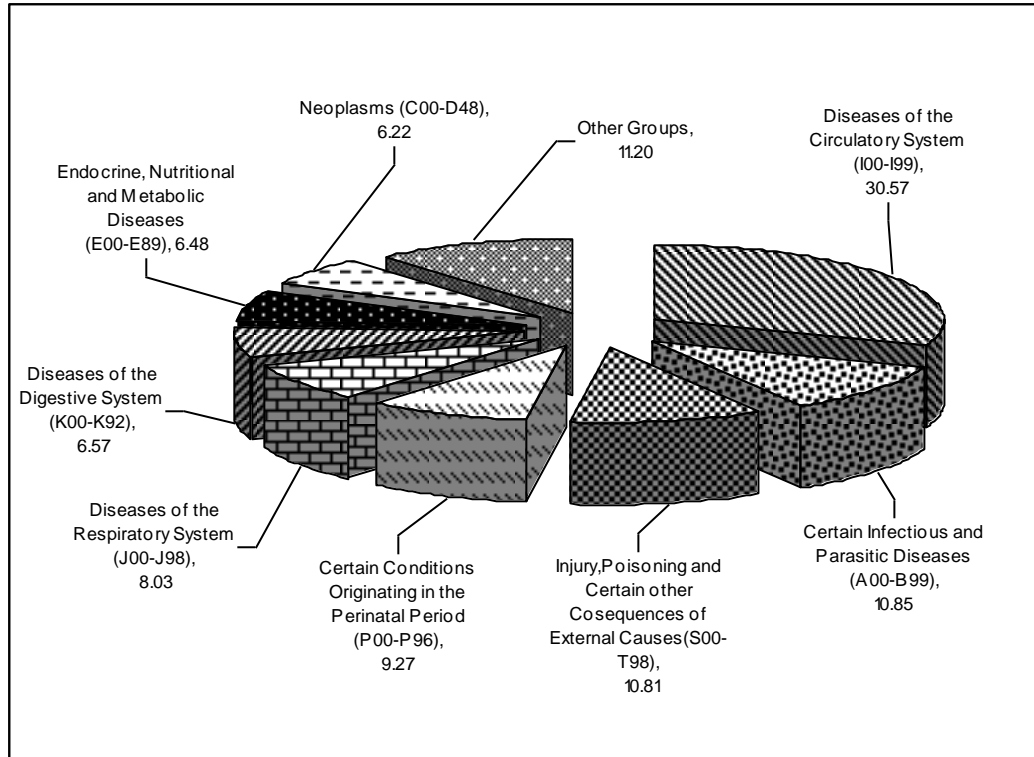
#### Distribution of Medically Certified Deaths by Age and Sex and Eight Leading Cause-Groups during-2011

Sl. No	Age Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	24681	30.96	13581	29.87	38262	30.57
2	Certain Infectious and Parasitic Diseases(A00-B99)	8528	10.70	5057	11.12	13585	10.85
3	Injury,Poisoning and Certain other Cosequences of External Causes(S00-T98)	8411	10.55	5123	11.27	13534	10.81
4	Certain Conditions Originating in the Perinatal Period(P00-P96)	6932	8.70	4678	10.29	11610	9.27
5	Diseases of the Respiratory System(J00-J98)	6678	8.38	3380	7.43	10058	8.03
6	Diseases of the Digestive System(K00-K92)	6700	8.40	1523	3.35	8223	6.57
7	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	4874	6.11	3232	7.11	8106	6.48
8	Neoplasms (C00-D48)	4545	5.70	3239	7.12	7784	6.22
9	Other Groups	8370	10.50	5648	12.42	14018	11.20
	<b>Total</b>	<b>79719</b>	<b>100.00</b>	<b>45461</b>	<b>100.00</b>	<b>125180</b>	<b>100.00</b>

**3.4** Among the leading cause groups, *‘Diseases of Circulatory System’* constitute the maximum i.e. **30.57 per cent** of total medically certified deaths, followed by *‘Certain Infectious and Parasitic Diseases’* **10.85 per cent**, *‘Injury, Poisoning and Certain Other Consequences of External Causes’* **10.81 per cent**, and *‘Certain conditions originating in the perinatal period’* constitute **9.27 per cent** of total medically certified deaths, followed by **8.03 per cent** due to *‘Diseases of the Respiratory System’*, *‘Diseases of the Digestive system’*, *‘Endocrine, Nutritional and Metabolic Diseases’* and *‘The Neoplasms’* each constitute around **6 percent** of the total medically certified deaths. In respect of eight leading causes of death the gender difference is not significant. However, the medically certified male deaths are on a higher side in case of *‘Diseases of Circulatory System’*, *‘Diseases of Respiratory System’* and *‘Diseases of the Digestive system’* compared to corresponding female figures. But it is vis-a-versa in the case of *‘Certain Infectious and Parasitic Diseases’* and *‘Injury, Poisoning and Certain Other Consequences of External Causes’*. The percentage distribution of medically certified deaths by leading cause groups is depicted in **Chart-3**.

**Chart - 3**

**PERCENTAGE DISTRIBUTION OF DEATHS UNDER MCCD  
BY LEADING CAUSE GROUP – 2012**



**3.5** The percentage distribution of eight major cause groups of death for the period 1996 to 2012 is presented in the **Statement-5**.

## Statement – 5

### Percentage Distribution of 8 leading Major Cause Groups of Deaths during 1996 - 2012

Year	Leading major cause groups of deaths (As per ICD-10)									
	Diseases of the circulatory system	Certain Infectious and Parasitic Diseases	Injury Poisoning & certain other consequences of external causes	Certain conditions originating in the Perinatal period	Diseases of the Respiratory System	Endocrine, Nutritional & Metabolic Diseases	Neo-plasm	Diseases of the Digestive System	Other Groups	Total
1996	21.10	14.40	15.80	10.20	7.50	4.70	4.20	6.40	15.70	100.00
1997	22.00	14.60	16.00	10.90	6.10	4.60	4.40	6.50	14.90	100.00
1998	22.10	15.50	15.30	9.30	6.40	4.80	4.50	6.60	15.50	100.00
1999	21.60	17.30	15.40	9.30	6.70	4.60	4.30	6.30	14.50	100.00
2000	26.31	15.16	9.21	10.27	6.42	4.68	3.85	7.25	16.85	100.00
2001	24.98	13.12	15.03	10.49	5.04	5.05	4.95	6.15	15.19	100.00
2002	25.32	12.32	13.63	10.39	5.22	5.95	4.45	6.26	16.46	100.00
2003	25.56	12.32	11.62	10.01	5.52	6.39	5.36	6.29	16.93	100.00
2004	25.65	12.24	11.48	9.54	5.43	6.29	6.20	6.45	16.72	100.00
2005	26.98	12.72	10.28	9.68	5.97	6.81	5.67	6.38	15.51	100.00
2006	27.51	12.03	10.19	7.71	6.52	8.07	5.86	6.55	15.56	100.00
2007	25.29	13.02	11.28	8.77	7.22	6.72	5.68	6.33	15.69	100.00
2008	28.78	11.12	10.16	8.32	7.56	6.84	6.25	5.96	15.01	100.00
2009	28.26	11.23	9.75	8.95	7.47	6.88	6.77	6.04	14.65	100.00
2010	30.69	11.45	8.66	8.90	8.58	6.42	6.24	6.48	12.59	100.00
2011	29.97	10.68	11.20	9.33	7.90	6.36	6.15	6.55	11.85	100.00
2012	30.57	10.85	10.81	9.27	8.03	6.57	6.22	6.48	11.20	100.00

- Note:** 1. - 'Others' include to remaining major cause group.  
 2. - Data in above table may not be strictly comparable over the reporting years due to switchover in the use of ICD-9 to ICD-10 in the State in tabulation from 1996 onwards and basic data on MCCD is for the years 1996 to 2012.

The data reveals that, the group of '*Diseases of the Circulatory System*' has not only occupied the position of top-most killer, but its percentage to total deaths has registered an increasing trend over the year. The major cause group '*Certain Infectious and Parasitic Diseases*' has shown on an average, a declining trend in its share to total deaths over the years.

**3.5.1** The proportion of deaths due to *'Injury, Poisoning and Certain Other Consequences of External Causes'* has exhibited a fluctuating pattern over the years.

**3.5.2** The group of *'Diseases of Certain Conditions Originating in Perinatal Period'* which is the prime causes of deaths among infants, has shown more or less a declining trend in percentage term over the years.

**3.5.3** The share of medically certified deaths due to *'Diseases of Respiratory System'* has varied in the range of 5.04 to 8.03 per cent during the period of 1996 to 2012, thus accounting for around 5 to 7 deaths per hundred reported medically certified deaths. What is important is that the proportion of deaths due to *'Diseases of Respiratory System'* has shown an increasing tendency since 2007.

**3.5.4** The share of medically certified deaths due to *'Endocrine, Nutritional and Metabolic Diseases'* has shown an increasing trend over the years.

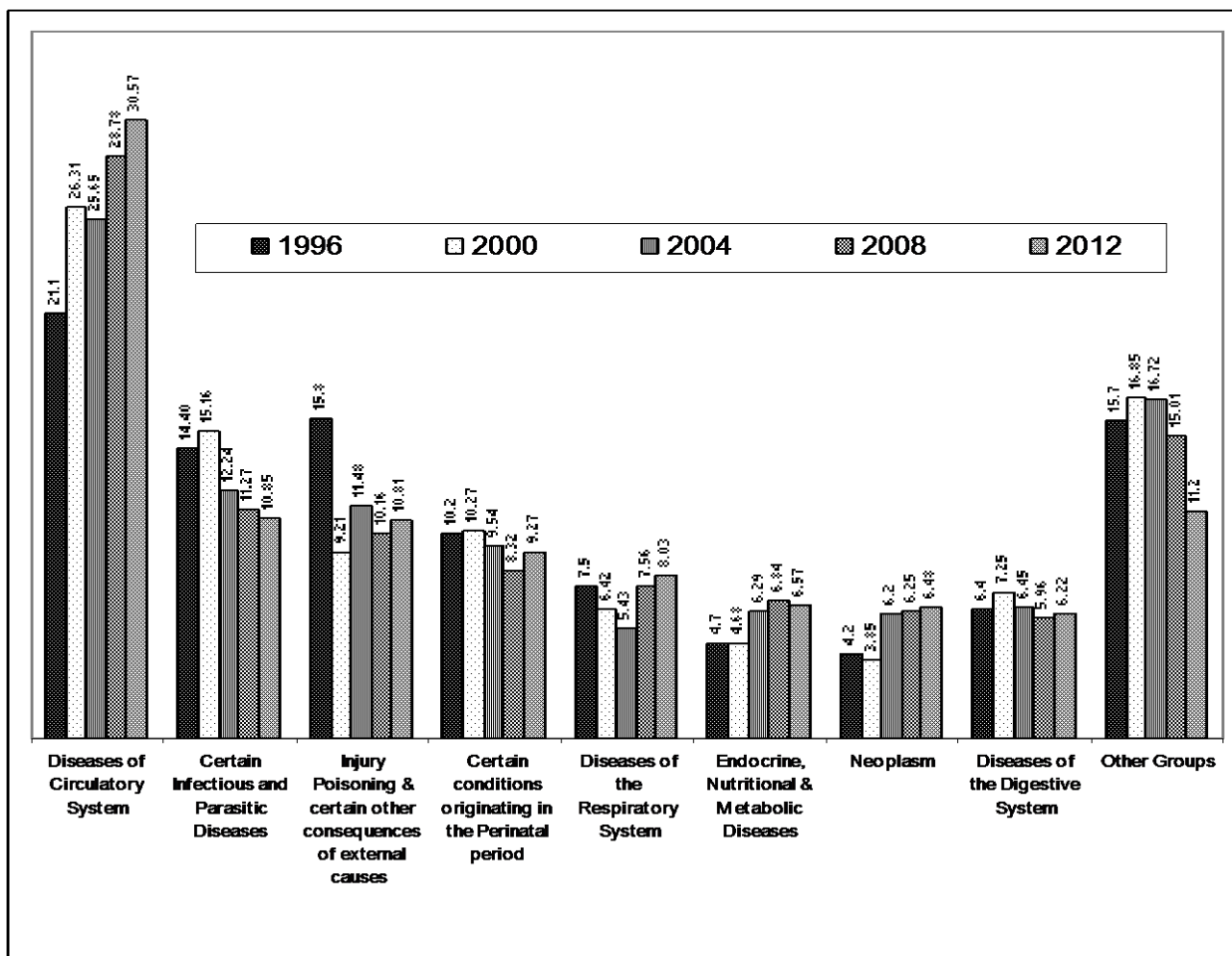
**3.5.5** The percentage of deaths due to *'Neoplasms'* has varied from 3.85 per cent to 6.48 per cent over the years. In 2012, the percentage of medically certified deaths due to *'Diseases of Digestive System'* is 6.48 as against 7.25 in 2000. The share of deaths due to this cause has an average of 6 per cent since 1996 except in the year 2000 (7.25 per cent).

**3.5.6** The groups *"other than"* the eight leading ones viz., *Diseases of the Skin and Subcutaneous Tissue, Pregnancy, Child Birth and the Puerperium, Congenital Malformations, Deformations and Chromosomal Abnormalities etc.*, constitutes less than 17 per cent of the total medically certified deaths since 1995.

**3.5.7** The **Chart-4** shows the percentage share of leading cause groups of death in Medical Certification of Cause of Death for the years 1996, 2000, 2004, 2008 and 2012.

**Chart –4**

**PERCENTAGE DISTRIBUTION OF LEADING CAUSE GROUPS OF DEATHS UNDER MCCD OVER THE YEARS**



**3.6** The Districtwise distribution of medically certified deaths by eight major cause groups is given in **Statement-5A**. The institutions covered under the MCCD are mostly located in urban areas of the different district in view of the availability of requisite facilities for assigning cause of deaths. Consequently, the number of deaths reported therein may lack the representative character at the district level. An attempt has been made to present the comparative situations of major cause groups, based upon medically certified deaths reported by different districts, as their number is reasonably adequate to throw valuable insight into deaths by various cause groups and their gravity.

**Statement - 5A**

**Districtwise Distribution of Medically Certified Deaths by Eight Leading Cause-Groups during -2012**

Sl. No	District Name	Diseases of the Circulatory System (I00-I99)	Certain Infectious and Parasitic Diseases (A00-B99)	Injury, Poisoning and Certain other Consequences of External Causes (S00-T98)	Certain Conditions Originating in the Perinatal Period (P00-P96)	Diseases of the Respiratory System (J00-J98)	Diseases of the Digestive System (K00-K92)	Endocrine, Nutritional and Metabolic Diseases (E00-E89)	Neoplasms (C00-D48)	Other Groups	Total
1	Bagalkote	32.44	10.03	6.45	17.67	7.82	10.53	1.91	1.46	11.70	100
2	Bangalore(U)	35.91	7.98	8.20	4.02	7.05	7.09	9.44	9.54	10.76	100
3	Bangalore(R)	21.08	14.46	21.49	5.82	11.65	5.02	6.02	5.62	8.84	100
4	Belgaum	27.80	11.60	11.95	12.56	8.20	6.29	4.66	3.60	13.34	100
5	Bellary	21.04	16.49	16.82	11.03	8.25	7.71	3.55	1.87	13.25	100
6	Bidar	18.90	9.95	15.68	20.13	4.15	19.84	2.28	1.35	7.72	100
7	Bijapur	24.85	12.63	9.29	13.59	8.58	10.12	4.64	2.81	13.49	100
8	Chamarajanagar	38.20	7.31	8.14	5.43	12.94	4.18	8.77	2.51	12.53	100
9	Chikballapur	35.57	10.71	13.07	2.18	12.89	9.26	2.90	2.72	10.71	100
10	Chikmagalur	48.85	3.08	14.25	3.55	14.51	3.18	3.76	2.77	6.05	100
11	Chitradurga	38.88	6.95	24.55	6.62	9.32	3.03	2.74	1.37	6.53	100
12	D.Kannada	25.91	9.62	9.59	5.70	8.70	6.55	9.94	12.82	11.17	100
13	Davanagere	22.96	13.43	10.68	16.23	11.30	6.07	4.21	2.73	12.38	100
14	Dharwad	21.97	11.60	14.26	17.33	6.18	5.78	4.49	5.44	12.95	100
15	Gadag	26.93	22.27	5.99	9.04	8.49	7.36	5.83	2.43	11.66	100
16	Gulbarga*	21.16	15.31	11.03	25.48	6.37	5.66	1.75	2.01	11.21	100
17	Hassan	29.02	9.31	17.53	9.44	12.59	5.68	3.19	2.67	10.58	100
18	Haveri	54.78	7.25	7.48	14.73	3.74	2.07	1.27	1.27	7.40	100
19	Kodagu	34.44	7.61	11.76	9.82	8.99	7.33	3.87	5.39	10.79	100
20	Kolar	19.98	15.33	13.24	8.74	13.89	5.64	5.84	4.10	13.24	100
21	Koppal	34.59	12.58	15.09	2.20	13.52	5.66	4.40	1.57	10.38	100
22	Mandya	28.13	10.25	10.30	11.81	13.12	5.55	5.60	3.01	12.23	100
23	Mysore	27.92	12.72	12.73	10.81	5.57	5.15	9.09	5.33	10.68	100
24	Raichur	29.67	17.32	12.48	15.14	6.54	4.84	2.36	1.96	9.69	100
25	Ramanagara	25.69	13.46	16.82	11.01	11.01	6.73	3.36	3.06	8.87	100
26	Shimoga	33.78	11.21	12.32	14.79	4.71	4.54	4.30	4.83	9.50	100
27	Tumkur	36.93	13.80	11.41	6.58	9.00	4.13	4.57	2.62	10.98	100
28	Udupi	30.59	12.69	8.70	2.84	7.33	7.40	6.44	11.94	12.09	100
29	U.Kannada	38.76	10.09	5.84	5.31	16.08	4.75	2.71	4.63	11.83	100
	<b>Total</b>	<b>30.57</b>	<b>10.85</b>	<b>10.81</b>	<b>9.27</b>	<b>8.03</b>	<b>6.57</b>	<b>6.48</b>	<b>6.22</b>	<b>11.20</b>	<b>100</b>

**Note:** \* - The information pertaining to Yadgir District has been included in Gulbarga District.



- 3.6.1** As depicted in the Statement 5A, more than twenty per cent of total medically certified deaths reported from all of the districts belong to the cause group *Diseases of Circulatory System*. In Haveri as high as 54.78 percent of deaths (nearly 5 out of 10 deaths), have been reported to be medically certified as Circulatory system deaths as against Bidar which has reported as low as 18.90 percent (nearly 2 out of 10 deaths) with the corresponding figure for all reporting districts taken together to be 30.57 percent (nearly 3 out of 10 deaths).
- 3.6.2** The group *Certain Infectious & Parasitic Diseases* constitutes 10.85 percent of medically certified deaths for all the reporting districts taken together. Its share in total medically certified deaths of Chikmagalur district as low as 3.08 percent as against 22.27 percent in Gadag district.
- 3.6.3** The share of major cause group *Injury, Poisoning and Certain other Consequences of External Causes* reported high in case of Chitradurga district 24.55 per cent whereas it is low in Gadag district 5.99 per cent in their respective totals of medically certified deaths.
- 3.6.4** The percentage of medically certified deaths due to *Certain Conditions Originating in the Perinatal Period* is in the range of 10 to 25 per cent in Bagalkote, Belgaum, Bellary, Bidar, Bijapur, Davanagere, Dharwad, Gulbarga, Haveri, Mandya, Mysore, Raichur, Ramanagar and Shimoga districts, whereas in other districts it is less than 10 per cent.
- 3.6.5** The group, *Diseases of Respiratory System* constitutes 10 per cent or more of medically certified deaths in eleven districts, viz., Bangalore (R), Chamarajanagar, Chickballapur, Chikmagalur, Davanagere, Hassan, Kolar, Koppal, Mandya, Ramanagar and Uttara Kannada districts.
- 3.6.6** The share of medically certified deaths due to *Diseases of the Digestive System* is reported high in the Bidar district as 19.84 per cent whereas it is reported low in the district of Haveri as 2.07 per cent. Whereas in other districts its percentage accounting for around 3 to 10 per cent.
- 3.6.7** The share of medically certified deaths due to *Endocrine, Nutritional and Metabolic Diseases* exceeded 5 per cent of total medically certified only in the 10 districts viz., Bangalore(U), Bangalore(R), Chamarajanagar, Dakshina Kannada, Gadag, Kolar, Mandya, Mysore and Udupi.
- 3.6.8** The percentage share of *Neoplasms* deaths is reported as highest as 12 per cent in case of medically certified deaths reported from Dakshina Kannada District, whereas the share of this major group in case of Haveri district which has reported the lowest as 1.27 per cent to the total medical certification of death.

## Leading Causes of Deaths

### 3.7 Diseases of the Circulatory System (IX):

It is the topmost ranking major group of disease, constituting 30.57 per cent of total medically certified deaths. It accounts for 30.96 per cent of males and 29.87 per cent of female deaths in their respective totals of medically certified deaths. The distribution of major components under this cause group is presented in **Statement-6** and is depicted in **Chart-5**.

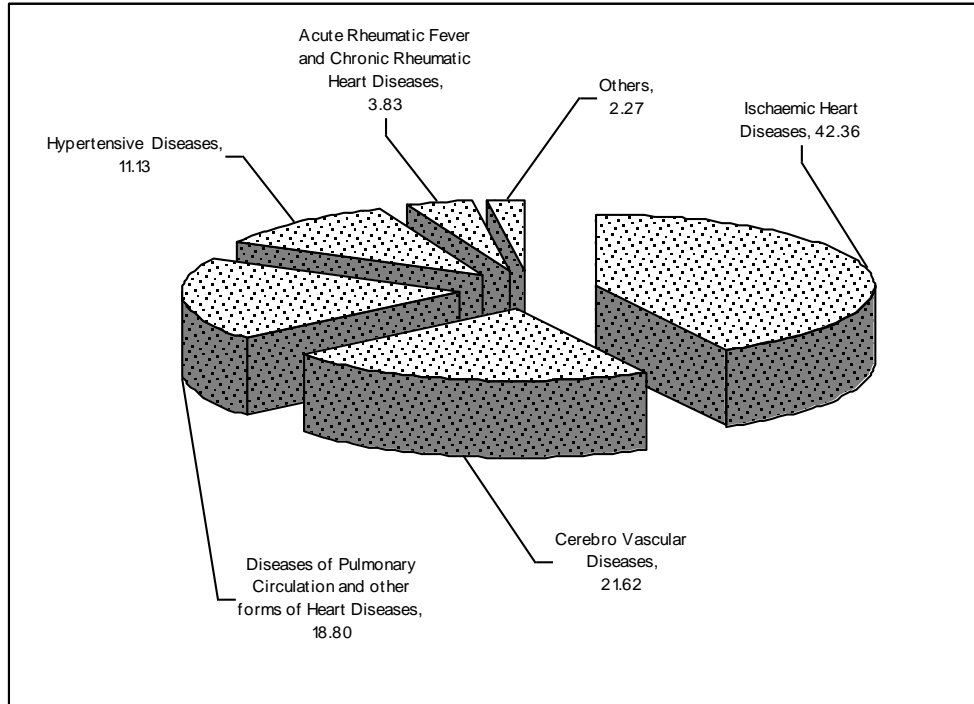
#### Statement - 6

##### DISTRIBUTION OF MAJOR CAUSES OF DEATHS AMONG DISEASES OF CIRCULATORY SYSTEM UNDER MCCD-2012

Sl. No	CAUSE OF DEATH	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Ischaemic Heart Diseases	10698	43.35	5509	40.56	16207	42.36	12.95
2	Cerebro Vascular Diseases	5538	22.44	2734	20.13	8272	21.62	6.61
3	Diseases of Pulmonary Circulation and other forms of Heart Diseases	4552	18.44	2642	19.45	7194	18.80	5.75
4	Hypertensive Diseases	2584	10.47	1674	12.33	4258	11.13	3.40
5	Acute Rheumatic Fever and Chronic Rheumatic Heart Diseases	704	2.85	760	5.60	1464	3.83	1.17
6	Others	605	2.45	262	1.93	867	2.27	0.69
	<b>Total Medically Certified Deaths due to Diseases of Circulatory System</b>	<b>24681</b>	<b>100</b>	<b>13581</b>	<b>100</b>	<b>38262</b>	<b>100</b>	<b>30.57</b>
	Deaths due to Diseases of Circulatory system as percentage to total medically certified deaths		30.95		29.87		30.57	

## Chart – 5

### PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS DUE TO DISEASES OF CIRCULATORY SYSTEM – 2012



**3.7.1** The Sub-group '**Ischemic Heart Diseases (IHD)**' characterized by reduced blood supply to the heart muscle, usually due to coronary artery disease (arthrosclerosis of the Coronary arteries) accounts for the highest no.of deaths (**42.36 per cent**) under the major group '**Diseases of Circulatory System**'. Furthermore, around every 13<sup>th</sup> medically certified deaths has been reported to be caused by IHD alone. The sub group '**Cerebrovascular Diseases**' is reported to be the second highest cause of deaths constituting **21.62 per cent** of the Circulatory system deaths followed by '**Diseases of Pulmonary Circulation and other forms of heart Diseases (18.80 per cent)**' and '**Hypertensive Diseases (11.13 per cent)**'. The percentages of male deaths to female deaths are more in the cause group of Ischemic Heart Diseases and Cerebro Vascular Diseases. It is vis-a-versa in the cause group of Diseases of Pulmonary Circulation and Other Forms of Heart Diseases and Hypertensive Diseases.

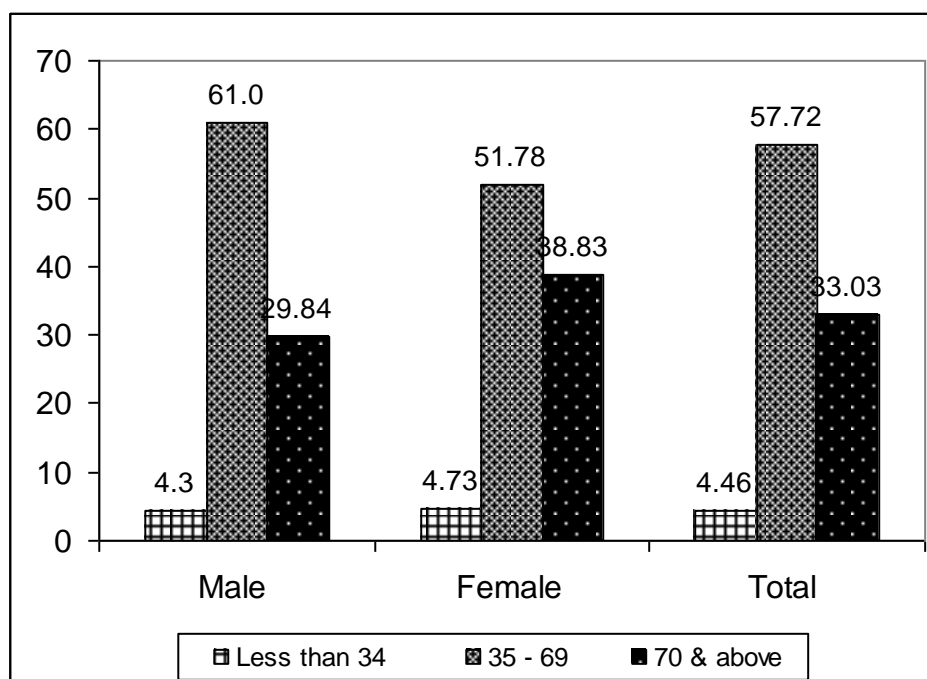
**3.7.2** The age distribution of medically certified deaths due to '**Diseases of Circulatory System**' has been given in **Statement-7** and highlighted in **Chart-6**. The age distribution under this cause group is in consonance with the general epidemiology of circulatory system which increase with age.

**Statement -7**  
**AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF**  
**CIRCULATORY SYSTEM UNDER MCCD-2012**

Sl. No	Age Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	0	0	19	0.14	19	0.05
2	1-4	35	0.14	22	0.16	57	0.15
3	5-14	61	0.25	55	0.4	116	0.3
4	15-24	153	0.62	117	0.86	270	0.71
5	25-34	813	3.29	430	3.17	1243	3.25
6	35-44	2195	8.89	906	6.67	3101	8.1
7	45-54	3848	15.59	1472	10.84	5320	13.9
8	55-64	5291	21.44	2514	18.51	7805	20.4
9	65-69	3722	15.08	2140	15.76	5862	15.32
10	70 & above	7364	29.84	5274	38.83	12638	33.03
11	Age Not Stated	1199	4.86	632	4.65	1831	4.79
	<b>Total</b>	<b>24681</b>	<b>100</b>	<b>13581</b>	<b>100</b>	<b>38262</b>	<b>100</b>

**Chart - 6**

**AGE DISTRIBUTION OF DEATHS DUE TO “DISEASES OF**  
**CIRCULATORY SYSTEM” UNDER MCCD - 2012**



### 3.8 Certain Infectious and Parasitic Diseases (I):

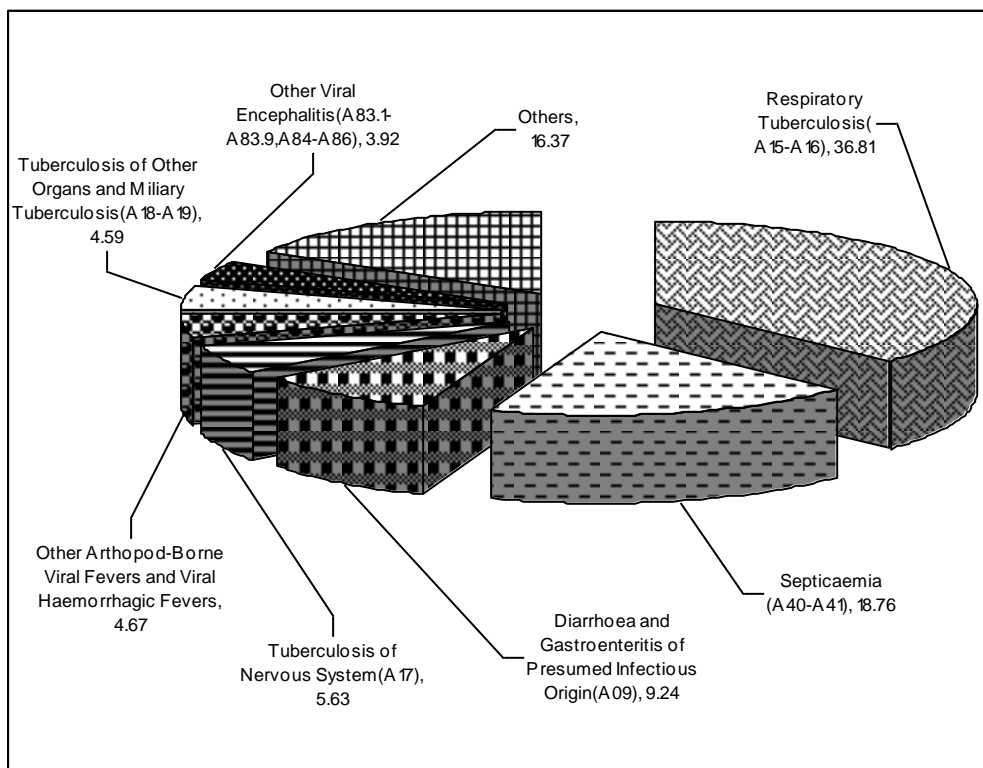
It is the second leading cause group of disease accounting for 10.85 per cent of total medically certified deaths, which constitute 10.70 per cent of male and 11.12 per cent of female medically certified deaths of their respective totals. The distribution of major components under this cause group is shown in the **Statement-8** and is depicted in **Chart-7**.

**Statement-8**  
**Distribution of Major Causes of Deaths among Certain Infectious and parasitic Diseases Under MCCD-2012**

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Respiratory Tuberculosis(A15-A16)	3458	40.55	1543	30.51	5001	36.81	4.00
2	Septicaemia(A40-A41)	1421	16.66	1128	22.31	2549	18.76	2.04
3	Diarrhoea and Gastroenteritis of Presumed Infectious Origin(A09)	687	8.06	568	11.23	1255	9.24	1.00
4	Tuberculosis of Nervous System(A17)	482	5.65	283	5.60	765	5.63	0.61
5	Other Arthropod-Borne Viral Fevers and Viral Haemorrhagic Fevers	352	4.13	283	5.60	635	4.67	0.51
6	Tuberculosis of Other Organs and Miliary Tuberculosis(A18-A19)	380	4.46	243	4.81	623	4.59	0.50
7	Other Viral Encephalitis(A83.1-A83.9,A84-A86)	331	3.88	202	3.99	533	3.92	0.43
8	Others	1417	16.62	807	15.95	2224	16.37	1.78
	<b>Total Medically Certified Deaths due to Certain Infectious and Parasitic Diseases</b>	<b>8528</b>	<b>100.00</b>	<b>5057</b>	<b>100.00</b>	<b>13585</b>	<b>100.00</b>	<b>10.85</b>
	Deaths due to Infectious and Parasitic Disease as percentage to total medically certified deaths		10.70		11.12		10.85	

**Chart – 7**

**PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS DUE TO CERTAIN INFECTIOUS & PARASITIC DISEASES – 2012**



**3.8.1** Among the *Certain Infectious and Parasitic Diseases*, ‘*Respiratory Tuberculosis*’ is the highest reported medically certified cause of mortality, constituting around **36.81 per cent** followed by ‘*Septicemia*’ (**18.76 per cent**). Under this group, percentage of *Respiratory Tuberculosis* deaths in females is **30.51 per cent** as against **40.45 per cent** of males out of their respective totals. The share of ‘*Diarrhoea & Gastroenteritis of presumed Infectious Origin*’, ‘*Tuberculosis of Nervous System*’, ‘*Other Arthropad Borne Fevers and Viral Haemarrhagic fevers*’, ‘*Tuberculosis of other organs and miliary tuberculosis*’ and ‘*Other Viral Encephalitis*’ in the total deaths under this group are **9.24, 5.63, 4.67, 4.59 and 3.92 per cent** respectively.

**3.8.2** The age distribution of medically certified deaths due to ‘*Certain Infectious and Parasitic Diseases*’ has been given in below **Statement-9** and is presented in **Chart-8**.

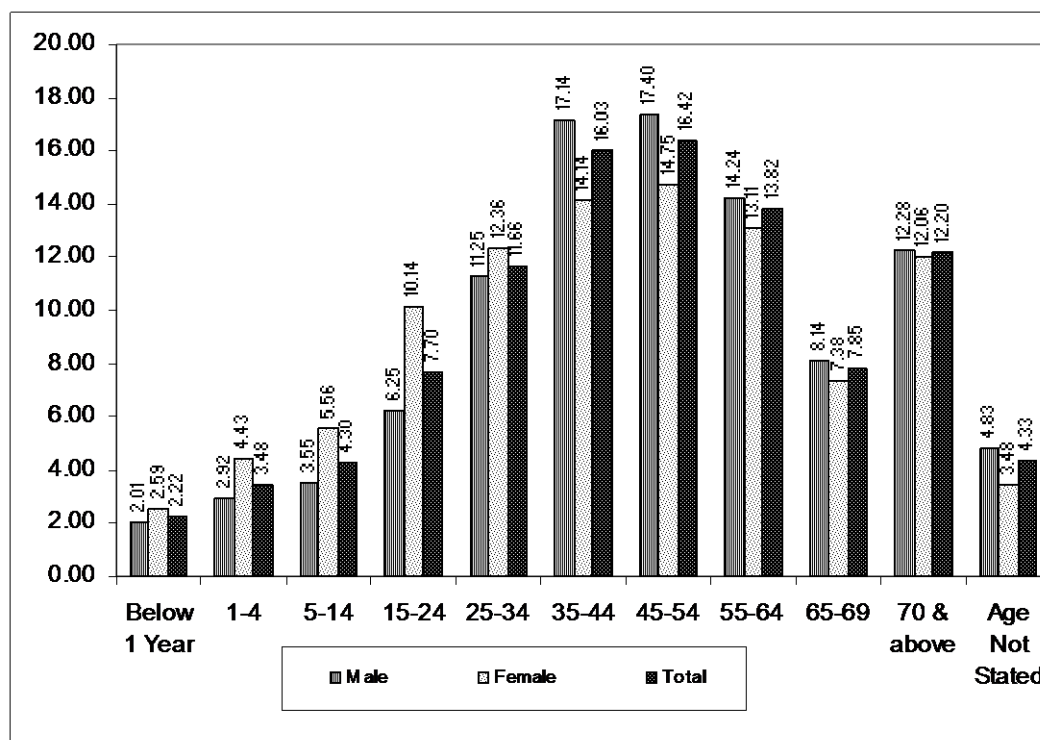
### Statement-9

#### Age Distribution of Deaths due to Certain Infectious and Parasitic Diseases Under MCCD-2012

Sl. No	Age Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	171	2.01	131	2.59	302	2.22
2	1-4	249	2.92	224	4.43	473	3.48
3	5-14	303	3.55	281	5.56	584	4.30
4	15-24	533	6.25	513	10.14	1046	7.70
5	25-34	959	11.25	625	12.36	1584	11.66
6	35-44	1462	17.14	715	14.14	2177	16.03
7	45-54	1484	17.40	746	14.75	2230	16.42
8	55-64	1214	14.24	663	13.11	1877	13.82
9	65-69	694	8.14	373	7.38	1067	7.85
10	70 & above	1047	12.28	610	12.06	1657	12.20
11	Age Not Stated	412	4.83	176	3.48	588	4.33
	<b>Total</b>	<b>8528</b>	<b>100</b>	<b>5057</b>	<b>100</b>	<b>13585</b>	<b>100</b>

### Chart – 8

#### AGE DISRIBUTION OF DEATHS DUE TO “CERTAIN INFECTIOUS & PARASITIC DISEASES” UNDER MCCD – 2012



As shown in the **Statement-9**, the highest incidence of deaths (16.42 per cent) is reported for the age group 45-54 years, closely followed by age groups 35-44 years (16.03 per cent) and 55-64 years (13.82 per cent). The age-group 25-64 years has contributed to around 57.93 per cent of total deaths under the cause group **'Certain Infectious and Parasitic Diseases'**

### 3.9 Injury Poisoning and Certain other Consequences of External Causes (XIX):

It is the third leading cause group responsible for 10.81 per cent of total medically certified deaths. This has caused 10.55 per cent of male and 11.27 per cent of female deaths. Under this cause group **'Poisonings by drugs and biological substances and toxic effects of substances chiefly non-medicinal as to source'** alone have contributed to **31.77 per cent** of the total deaths, this is followed by **'Burns and Corrosions'** (26.77 per cent) and **'Other Injuries of specified and unspecified and multiple body regions'** with 2714 male and 617 female deaths (24.61 per cent). Death due to Burns and corrosions among females is 51.20 per cent as compared to 11.89 per cent among males, under this major group. The distribution of chief constituents of the major cause group is given in the **Statement-10** and is depicted in **Chart-9**.

#### Statement-10

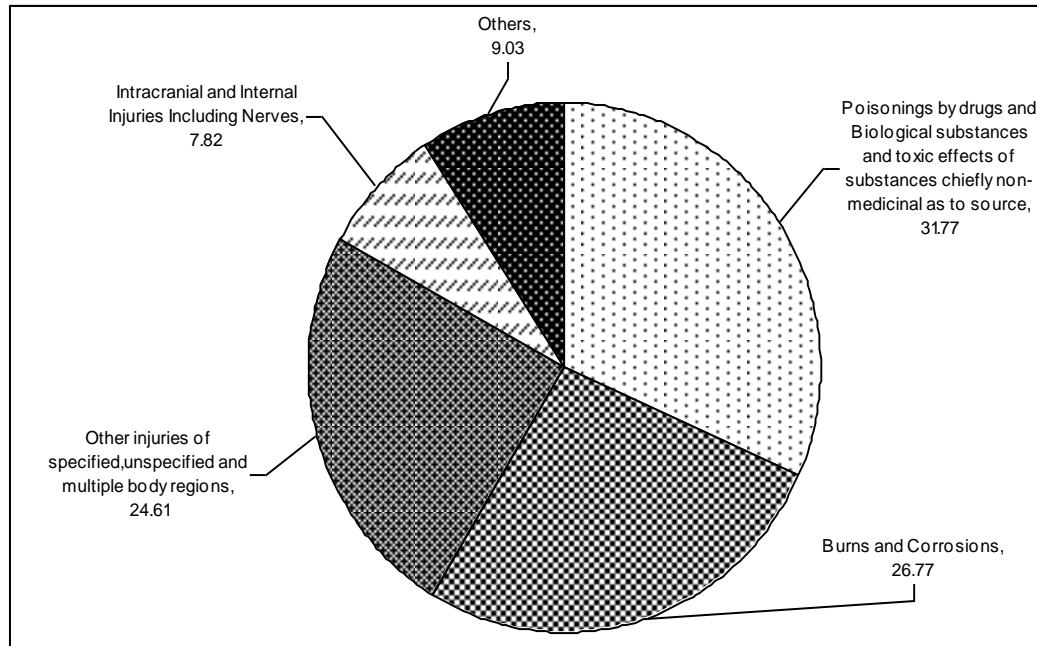
#### Distribution of Deaths due to Injury, Poisoning and Certain other consequences of External causes Under MCCD-2012

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Poisonings by drugs and Biological substances and toxic effects of substances chiefly non-medicinal as to source	2946	35.03	1354	26.43	4300	31.77	3.44
2	Burns and Corrosions	1000	11.89	2623	51.20	3623	26.77	2.89
3	Other injuries of specified, unspecified and multiple body regions	2714	32.27	617	12.04	3331	24.61	2.66
4	Intracranial and Internal Injuries Including Nerves	850	10.11	208	4.06	1058	7.82	0.85
5	Others	901	10.71	321	6.27	1222	9.03	0.98
	<b>Total Medically Certified Deaths due to Diseases of Injury, Poisoning and Certain Other Consequences of External causes.</b>	<b>8411</b>	<b>100.00</b>	<b>5123</b>	<b>100.00</b>	<b>13534</b>	<b>100.00</b>	<b>10.81</b>
	Deaths due to Injury, Poisoning and Certain other consequences of External causes as percentage to total medically certified deaths		10.55		11.27		10.81	



## Chart - 9

### PERCENTAGE DISTRIBUTION OF DEATHS DUE TO INJURY, POISONING & CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES UNDER MCCD – 2012



**3.9.1** As revealed from the **Statement-11**, the highest share of deaths (23.58 per cent) is reported for the age group 25-34 years. This is followed by age groups 15-24 years (20.06 per cent) and 35-44 years (17.82 per cent). These three age-groups together accounts for about 61 per cent of deaths, implying that the working age groups is much more prone to deaths due to this major group. Age-groupwise distribution of deaths due to ***'Injury, Poisoning and Certain Other Consequences of External Cause'*** is presented in **Chart-10**

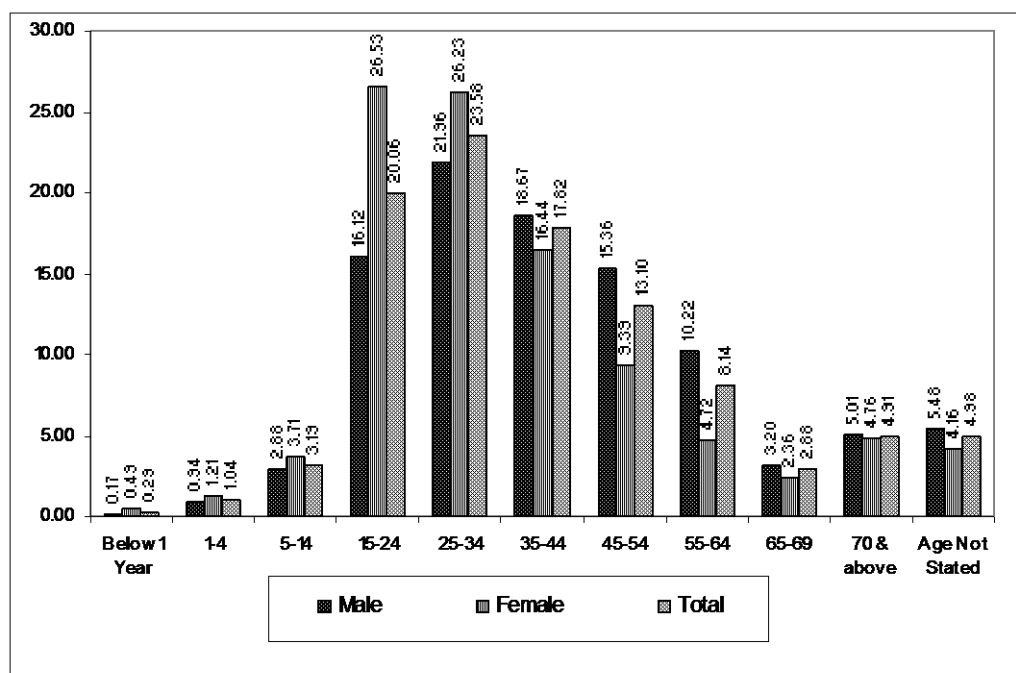
## Statement-11

### Age Distribution of Deaths due to Injury, Poisoning and Certain other consequences of External causes Under MCCD-2012

Sl. No	Age Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	14	0.17	25	0.49	39	0.29
2	1-4	79	0.94	62	1.21	141	1.04
3	5-14	242	2.88	190	3.71	432	3.19
4	15-24	1356	16.12	1359	26.53	2715	20.06
5	25-34	1847	21.96	1344	26.23	3191	23.58
6	35-44	1570	18.67	842	16.44	2412	17.82
7	45-54	1292	15.36	481	9.39	1773	13.10
8	55-64	860	10.22	242	4.72	1102	8.14
9	65-69	269	3.20	121	2.36	390	2.88
10	70 & above	421	5.01	244	4.76	665	4.91
11	Age Not Stated	461	5.48	213	4.16	674	4.98
	<b>Total</b>	<b>8411</b>	<b>100.00</b>	<b>5123</b>	<b>100.00</b>	<b>13534</b>	<b>100.00</b>

**Chart – 10**

### AGE DISTRIBUTION OF DEATHS DUE TO INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES UNDER MCCD-2012



**3.9.2** Further analysis of deaths due to *'Injury, Poisonings and Certain Other Consequences of External Causes'*, reveals that the absolute number of reported deaths caused by *'Burns and Corrosion'* in case of females is more than two (2) times to that of

males. As detailed in the **Statement-12**, the highest number of deaths due to '*Burns and Corrosion*' is concentrated in the age group 15-44 years, constituting around 75.57 per cent of deaths under this sub-group. The shares of this age group in the deaths due to '*Poisonings by drugs & Biological Substances and Toxic effects of substances chiefly non-medicinal as to source*' and '*Other Injuries of specified, unspecified and multiple Body Regions*' are around 60 per cent and 49 per cent respectively.

**Statement-12**

**AGE DISTRIBUTION OF DEATHS DUE TO POISONING, BURNS CORROSIONS AND OTHER INJURIES UNDER MCCD-2012**

Sl. No	Age Group (In Years)	Age Distribution of Deaths Due to		
		Poisonings by drugs and Biological substances and toxic effects of substances chiefly non-medicinal as to source	Burns and Corrosions	Other injuries of specified, unspecified and multiple body regions
1	Below 1 year	0.30	0.39	0.30
2	1-4	0.72	1.21	1.23
3	5-14	2.21	4.63	3.36
4	15-24	20.83	25.56	13.09
5	25-34	22.37	31.88	18.28
6	35-44	17.14	18.13	17.98
7	45-54	15.05	7.07	15.67
8	55-64	9.12	2.93	12.73
9	65-69	2.95	1.24	4.41
10	70 & above	3.16	3.09	8.11
11	Age Not Stated	6.14	3.86	4.83
	<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

**3.10 Certain Conditions Originating in the Perinatal Period (XVI):**

The group of diseases relating to '*Certain conditions originating in the Perinatal Period*' is the fourth leading cause of death, accounting 9.27 per cent of the total medically certified deaths. This has contributed to 8.70 per cent of male and 10.29 per cent of female medically certified deaths. The distribution of major causes of deaths under this group is shown in the **Statement-13** and is portrayed in the **Chart-11**

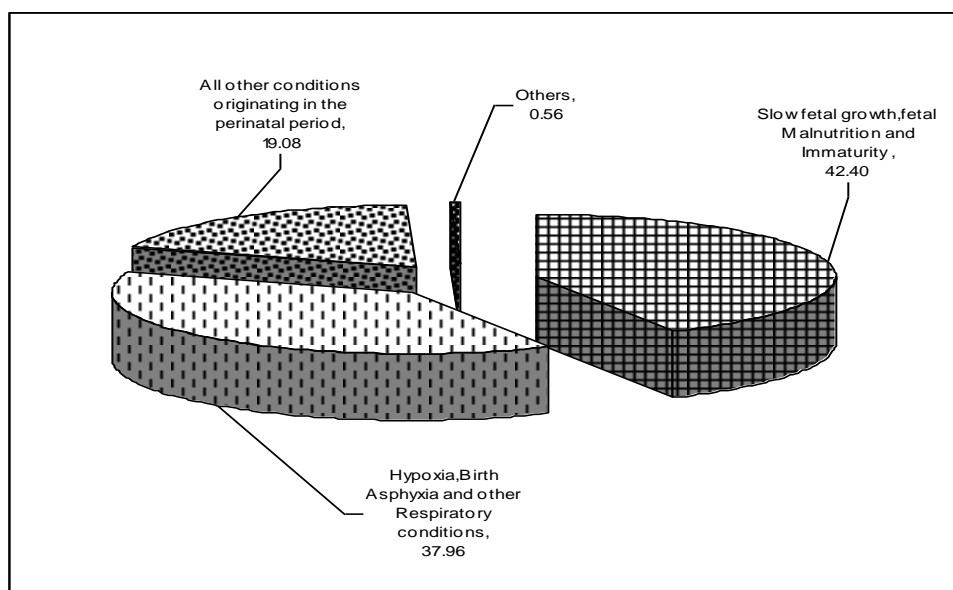
### Statement-13

#### Distribution of Deaths due to Certain Conditions Originating in the Perinatal Period Under MCCD-2012

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Slow fetal growth,fetal Malnutrition and Immaturity	2902	41.86	2021	43.20	4923	42.40	3.93
2	Hypoxia,Birth Asphyxia and other Respiratory conditions	2671	38.53	1736	37.11	4407	37.96	3.52
3	All other conditions originating in the perinatal period	1314	18.96	901	19.26	2215	19.08	1.77
4	Others	45	0.65	20	0.43	65	0.56	0.05
	<b>Total Medically Certified Deaths due to certain Conditions Originating in the Perinatal Period</b>	<b>6932</b>	<b>100.00</b>	<b>4678</b>	<b>100.00</b>	<b>11610</b>	<b>100.00</b>	<b>9.27</b>
	Deaths due to certain Conditions Originating in the Perinatal Period as percentage to total Medically Certified Deaths		8.70		10.29		9.27	

### Chart – 11

#### PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS DUE TO CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD –2012



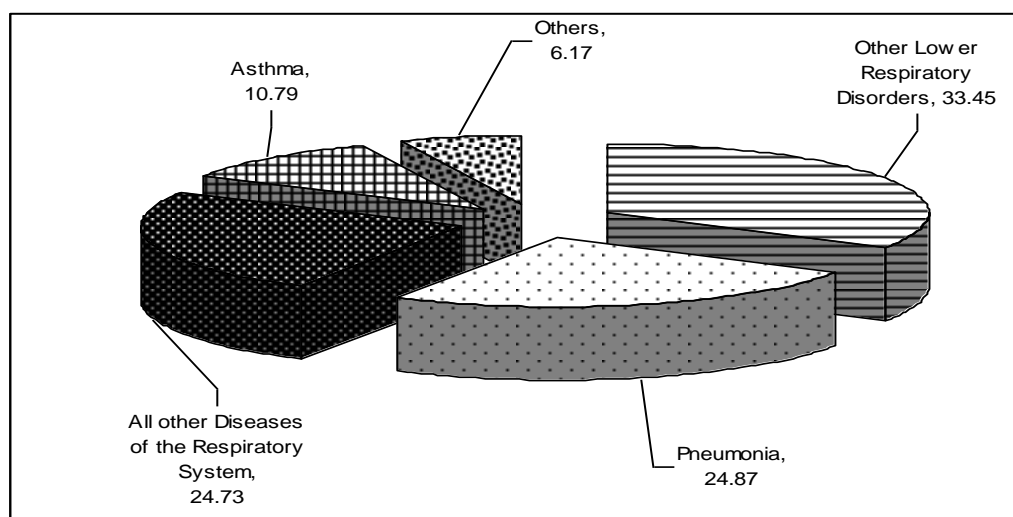
### 3.11 Diseases of the Respiratory System (X):

The major group of Diseases of Respiratory System is the fifth leading cause, responsible for 8.03 per cent of the total medically certified deaths. This has contributed to 8.38 per cent of male and 7.43 per cent of female deaths. The distribution of chief constituents of the major cause group is given **Statement-14** and is presented in **Chart-12**.

**Statement – 14**  
**Distribution of Deaths due Diseases of Respiratory system Under MCCD-2012**

Sl.No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Other Lower Respiratory Disorders	2412	36.12	952	28.17	3364	33.45	2.69
2	Pneumonia	1604	24.02	897	26.54	2501	24.87	2.00
3	All other Diseases of the Respiratory System	1606	24.05	881	26.07	2487	24.73	1.99
4	Asthma	644	9.64	441	13.05	1085	10.79	0.87
5	Others	412	6.17	209	6.18	621	6.17	0.50
	<b>Total Medically Certified Deaths due to Diseases of Respiratory System</b>	<b>6678</b>	<b>100.00</b>	<b>3380</b>	<b>100.00</b>	<b>10058</b>	<b>100.00</b>	<b>8.03</b>
	Deaths due to Diseases of Respiratory system as percentage to total medically certified deaths		8.38		7.43		8.03	

**Chart – 12**  
**PERCENTAGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF RESPIRATORY SYSTEM UNDER MCCD – 2012**



**3.11.1** *'Other lower Respiratory disorders'*, is the leading cause of death, has caused 30 out of every hundred reported deaths under the major cause group. It is followed by *'Pneumonia'* an inflammatory illness of the lung and also one of the leading cause of death in this major group constitutes about 24.87 per cent of the deaths. *'All other Diseases of the Respiratory System'* has caused 24 out of every hundred reported deaths. The percentage share of Pneumonia to the total medically certified deaths is 2 percent with the corresponding share of Asthma being 0.87 per cent. The age composition of deaths due to 'Diseases of Respiratory System' is presented in **Statement-15** and is highlighted in **Chart-13**.

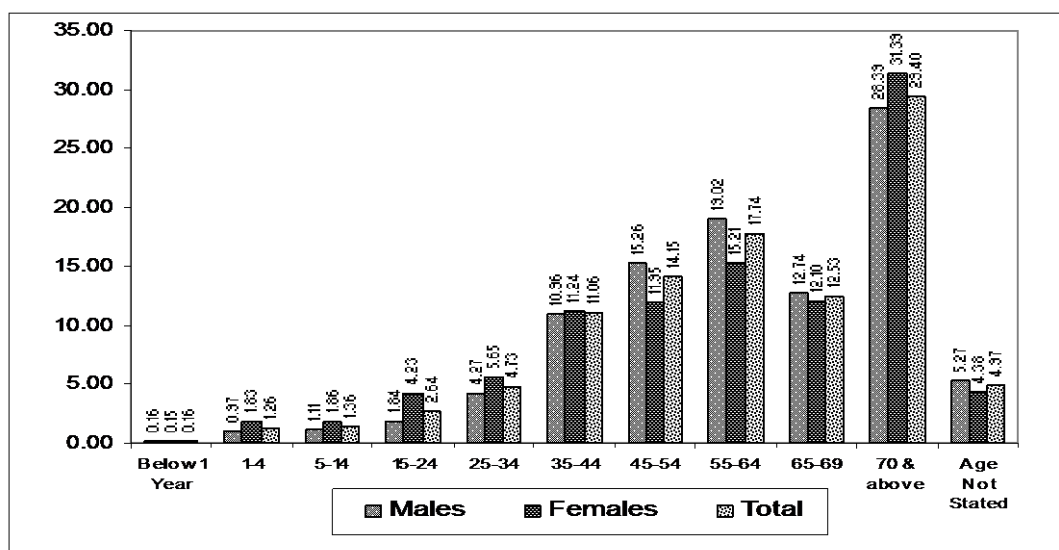
**Statement – 15**

**Age Distribution of Deaths due to Diseases of Respiratory system Under MCCD-2012**

Sl. No	Age Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	11	0.16	5	0.15	16	0.16
2	1-4	65	0.97	62	1.83	127	1.26
3	5-14	74	1.11	63	1.86	137	1.36
4	15-24	123	1.84	143	4.23	266	2.64
5	25-34	285	4.27	191	5.65	476	4.73
6	35-44	732	10.96	380	11.24	1112	11.06
7	45-54	1019	15.26	404	11.95	1423	14.15
8	55-64	1270	19.02	514	15.21	1784	17.74
9	65-69	851	12.74	409	12.10	1260	12.53
10	70 & above	1896	28.39	1061	31.39	2957	29.40
11	Age Not Stated	352	5.27	148	4.38	500	4.97
	<b>Total</b>	<b>6678</b>	<b>100.00</b>	<b>3380</b>	<b>100.00</b>	<b>10058</b>	<b>100.00</b>

**Chart – 13**

**AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF RESPIRATORY SYSTEM UNDER MCCD – 2012**



**3.11.2** The age group '70 and above years' has reported maximum incidence of deaths (29.40 per cent) under the major cause group followed by the age group '55-64 years' with 17.74 per cent of deaths due to 'Diseases of Respiratory system'. The children of age group 0-4 have contributed to only 1.42 per cent of total deaths, under this major cause group. The major chunk of deaths under this cause group is concentrated in the age group '45 year and above', constituting around 74 per cent of deaths. The percentages of female deaths aged 34 years and below to total female deaths under this cause group are on a higher side as compared to corresponding figures for males (i.e. 13.72 per cent for females compared to 8.35 per cent of males).

**3.12 Diseases of the Digestive System (XI):** The major group comprising '*Diseases of Digestive system*' is the sixth leading cause group, responsible for 6.57 per cent of the total medically certified deaths with 8.47 per cent of male and 3.35 per cent of female deaths. The percentage of male digestive disorder deaths to total medically certified is just double to that of corresponding female figures. The distribution of major causes of deaths under this group is given in the **Statement-16** and is highlighted in **Chart-14**.

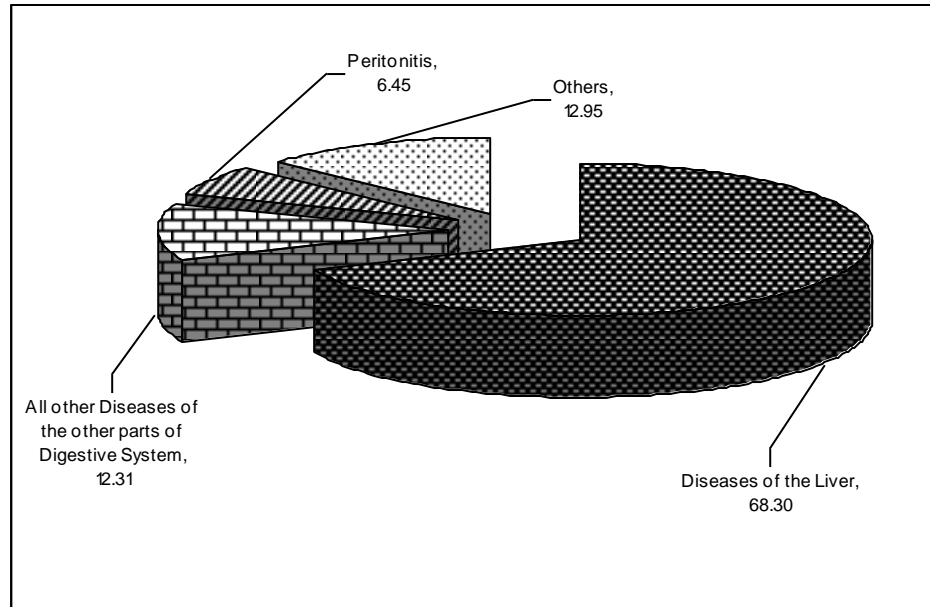
### Statement – 16

#### Distribution of Deaths due to Digestive System Under MCCD-2012

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Diseases of the Liver	4766	71.13	850	55.81	5616	68.30	4.49
2	All other Diseases of the other parts of Digestive System	746	11.13	266	17.47	1012	12.31	0.81
3	Peritonitis	385	5.75	145	9.52	530	6.45	0.42
4	Others	803	11.98	262	17.20	1065	12.95	0.85
	<b>Total Medically Certified Deaths due to Digestive System</b>	<b>6700</b>	<b>100.00</b>	<b>1523</b>	<b>100.00</b>	<b>8223</b>	<b>100.00</b>	<b>6.57</b>
	Deaths due to Diseases of Digestive System as percentage to total medically certified deaths		8.40		3.35		6.57	

## CHART – 14

### PERCENTAGE DISTRIBUTION OF DEATHS DUE TO DIGESTIVE SYSTEM UNDER MCCD – 2012



**3.12.1** Among the deaths due to disorders of digestive system, *'Diseases of the Liver'* account for 68.30 per cent of the total medically certified deaths in this group. The share of liver diseases is about 5 per cent among the total medically certified deaths. *'All other Diseases of the other parts of the Digestive System'* and *'Peritonitis'* also have responsible for 12.31 per cent and 6.45 per cent of total deaths under this major cause group.

**3.12.2** The **Statement-17** reveals that the age group '45-54 years' have reported the maximum deaths (23.39 per cent) under the major group *'Diseases of Digestive System'*. As high as 91.08 per cent of the total deaths caused by digestive system disorder are concentrated in the age-group 25 years and above. This is highlighted in **Chart-15**.



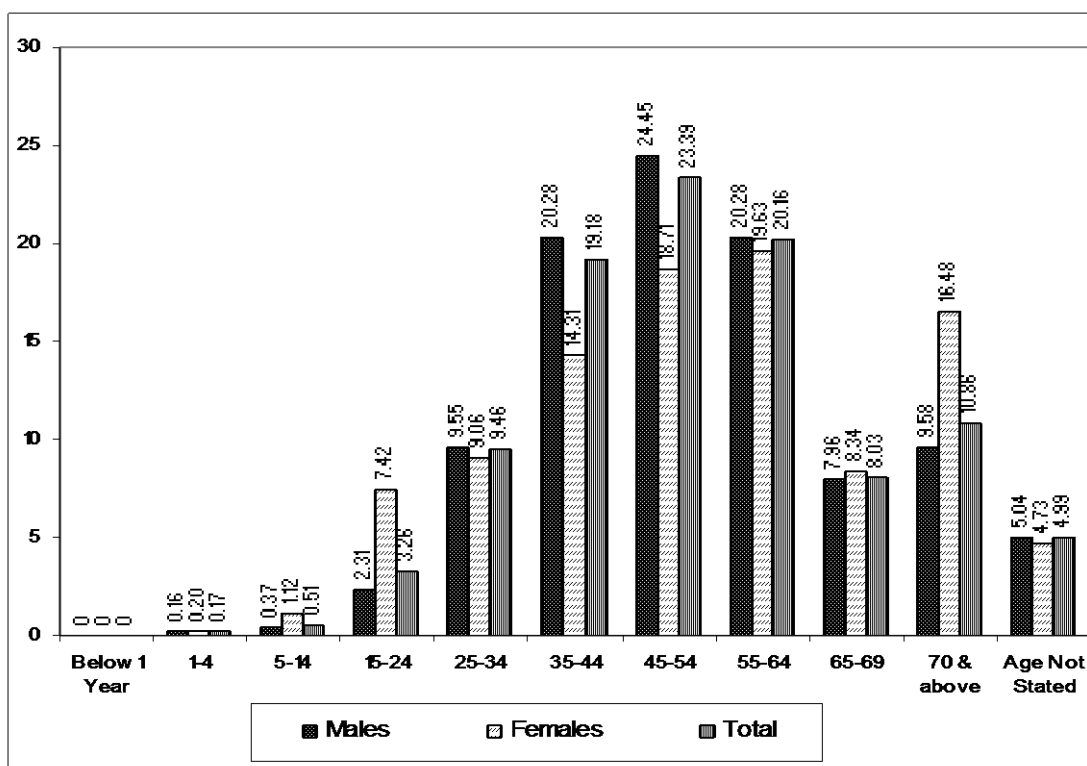
### Statement - 17

#### Age Distribution of Deaths due to Digestive System Under MCCD-2012

Sl. No	Age Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	0	0	0	0	0	0
2	1-4	11	0.16	3	0.20	14	0.17
3	5-14	25	0.37	17	1.12	42	0.51
4	15-24	155	2.31	113	7.42	268	3.26
5	25-34	640	9.55	138	9.06	778	9.46
6	35-44	1359	20.28	218	14.31	1577	19.18
7	45-54	1638	24.45	285	18.71	1923	23.39
8	55-64	1359	20.28	299	19.63	1658	20.16
9	65-69	533	7.96	127	8.34	660	8.03
10	70 & above	642	9.58	251	16.48	893	10.86
11	Age Not Stated	338	5.04	72	4.73	410	4.99
	<b>Total</b>	<b>6700</b>	<b>100.00</b>	<b>1523</b>	<b>100.00</b>	<b>8223</b>	<b>100.00</b>

### CHART - 15

#### AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF DIGESTIVE SYSTEM UNDER MCCD – 2012



**3.13 Endocrine, Nutritional and Metabolic Diseases (IV) :** This is the seventh leading cause group has contributed to 6.48 per cent of the total medically certified deaths. Under this cause group, '*Diabetes Mellitus*' that causes serious health complications such as renal failures, heart disease, stroke and blindness, is a disease in which Pancreas no longer produces enough insulin or when cells stop responding to the insulin that is produced, so that glucose in the blood cannot be absorbed into the cells of the body, is the leading cause of death. It alone accounts for 88.55 per cent of total deaths reported under the cause group. The share of Diabetes Mellitus in total medically certified deaths is 5.73 percent. The distribution of major causes of deaths under this group is given in **Statement-18** and is depicted in the **Chart-16**.

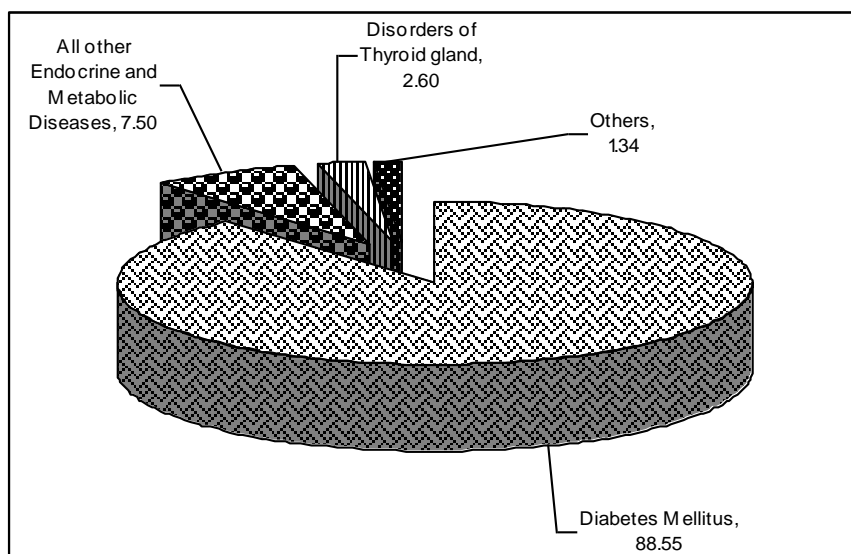
**Statement – 18**

**Distribution of Deaths due to Endocrine, Nutritional and Metabolic Diseases under MCCD – 2012**

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Diabetes Mellitus	4384	89.95	2794	86.45	7178	88.55	5.73
2	All other Endocrine and Metabolic Diseases	362	7.43	246	7.61	608	7.50	0.49
3	Disorders of Thyroid gland	64	1.31	147	4.55	211	2.60	0.17
4	Others	64	1.31	45	1.39	109	1.34	0.09
	<b>Total Medically Certified Deaths due to Endocrine, Nutritional and Metabolic Diseases</b>	<b>4874</b>	<b>100.00</b>	<b>3232</b>	<b>100.00</b>	<b>8106</b>	<b>100.00</b>	<b>6.48</b>
	Deaths due to Diseases of Endocrine, Nutritional and metabolic Diseases as percentage to total medically certified deaths		6.11		7.11		6.48	

**Chart – 16**

**PERCENTAGE DISTRIBUTION OF DEATHS DUE TO ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES UNDER MCCD – 2012**



**3.13.1** The incidence of '*Diabetes Mellitus*' death is reported to be the highest for the age group 70 and above (37.32 per cent). The **Statement-19** reveals that the deaths due to this disease are concentrated in the age 45 years and above, contributing around 87 per cent of the total Diabetes Mellitus deaths under MCCD.

**Statement – 19**

**Age Distribution of Deaths Due to Diabetes Mellitus Under MCCD – 2012**

Sl. No	Age Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 year	0	0	0	0	0	0
2	1-4	0	0	0	0	0	0
3	5-14	0	0	0	0	0	0
4	15-24	16	0.36	19	0.68	35	0.49
5	25-34	64	1.46	30	1.07	94	1.31
6	35-44	294	6.71	154	5.51	448	6.24
7	45-54	579	13.21	311	11.13	890	12.40
8	55-64	954	21.76	573	20.51	1527	21.27
9	65-69	672	15.33	444	15.89	1116	15.55
10	70 & above	1566	35.72	1113	39.84	2679	37.32
11	Age Not Stated	239	5.45	150	5.37	389	5.42
	<b>Total</b>	<b>4384</b>	<b>100.00</b>	<b>2794</b>	<b>100.00</b>	<b>7178</b>	<b>100.00</b>

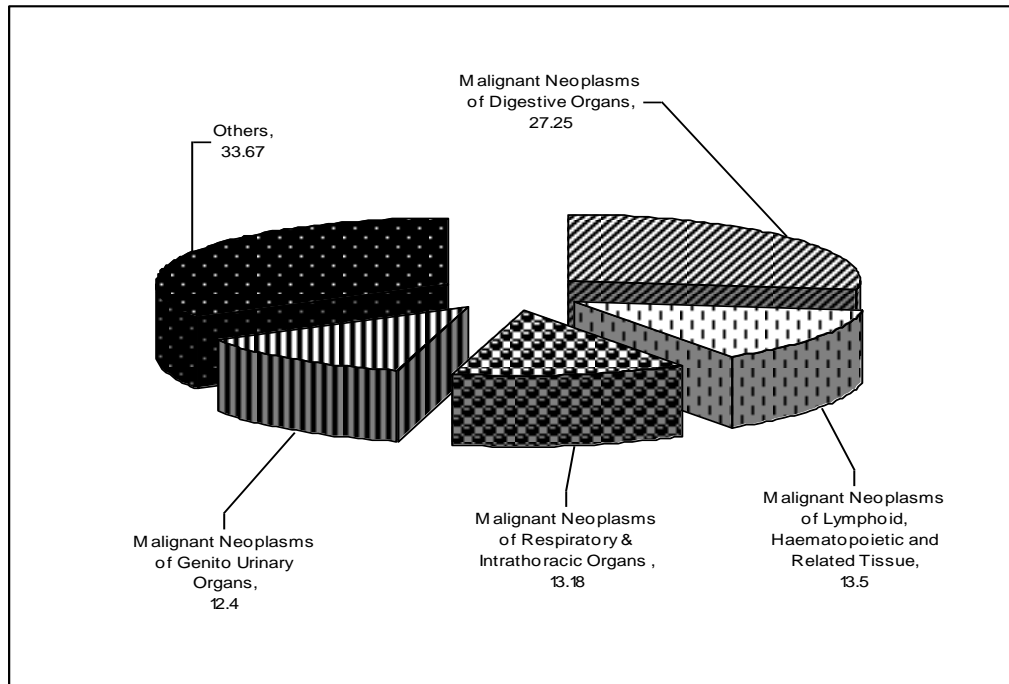
**3.14. Neoplasms (II) :** The eighth leading cause, *Neoplasm*, which is commonly known as Cancer, is responsible for 6.22 per cent of the total medically certified deaths. The share of deaths due to *Neoplasms* in total female deaths is 7.12 per cent as compared to the corresponding figure of 5.70 per cent in case of males. Among total female medically certified deaths, it is the seventh leading cause of death. The distribution of major causes of deaths under the group is given in the **Statement-20** and depicted in **Chart-17**.

**Statement- 20**

**Distribution of Major Causes of Deaths Due to Neoplasms under MCCD–2012**

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Malignant Neoplasms of Digestive Organs	1428	31.42	693	21.4	2121	27.25	1.69
2	Malignant Neoplasms of Lymphoid, Haematopoietic and Related Tissue	680	14.96	371	11.45	1051	13.5	0.84
3	Malignant Neoplasms of Respiratory & Intrathoracic Organs	808	17.78	218	6.73	1026	13.18	0.82
4	Malignant Neoplasms of Genito Urinary Organs	332	7.3	633	19.54	965	12.4	0.77
5	Others	1297	28.54	1324	40.88	2621	33.67	2.09
	<b>Total Medically Certified Deaths due to Neoplasms</b>	<b>4545</b>	<b>100</b>	<b>3239</b>	<b>100</b>	<b>7784</b>	<b>100</b>	<b>6.22</b>
	Deaths due to Neoplasms as percentage to total Medically Certified Deaths		5.7		7.12		6.22	

**CHART – 17**  
**PERCENTAGE DISTRIBUTION OF MAJOR CAUSES OF DEATHS DUE TO NEOPLASMS UNDER MCCD – 2012**



**3.14.1** Among the neoplasm deaths, '*Malignant Neoplasm of Digestive Organs*' accounts for the highest mortality of 27.25 percent, followed by '*Malignant of Lymphoid, haematopoetic & other related tissue*' (13.50 per cent), '*Malignant Neoplasm of Respiratory Intrathoracic Organs*' (13.18 per cent) and '*Malignant Neoplasms of Genitor-Urinary Organs*' (12.40 per cent). The share of deaths due to Malignant Neoplasms of Digestive Organs in males to total male Neoplasm deaths is 31.42 per cent as against 21.40 per cent of corresponding female deaths. The percentage of female deaths due to '*Malignant Neoplasm of genito urinary organs*' to total female neoplasm deaths is 19.54 per cent as compared to 7.30 per cent of corresponding male deaths. Among deaths caused by '*Malignant Neoplasm of Respiratory and Intra Thoracic Organs*' about 63 per cent is due to Lung Cancer in male. Lung Cancer alone accounts for around 14.13 per cent of total male Neoplasm deaths.

**3.14.2** The incidence of Neoplasm death is reported to be the highest i.e. 25.09 per cent in the age group 55-64 years (25.83 per cent of males and 24.05 per cent of females) followed by the age group '70 and above years' recording 21.27 per cent of deaths (22.97 per cent of males and 18.89 per cent of females). Around 87 per cent of total Neoplasm deaths is concentrated in the age-group '35 years and above'. It is supportive of age as a major risk factor of Neoplasm deaths as indicated in epidemiological literature. The age composition of deaths due to 'Neoplasm' is presented in **Statement-21** and **Chart-18**

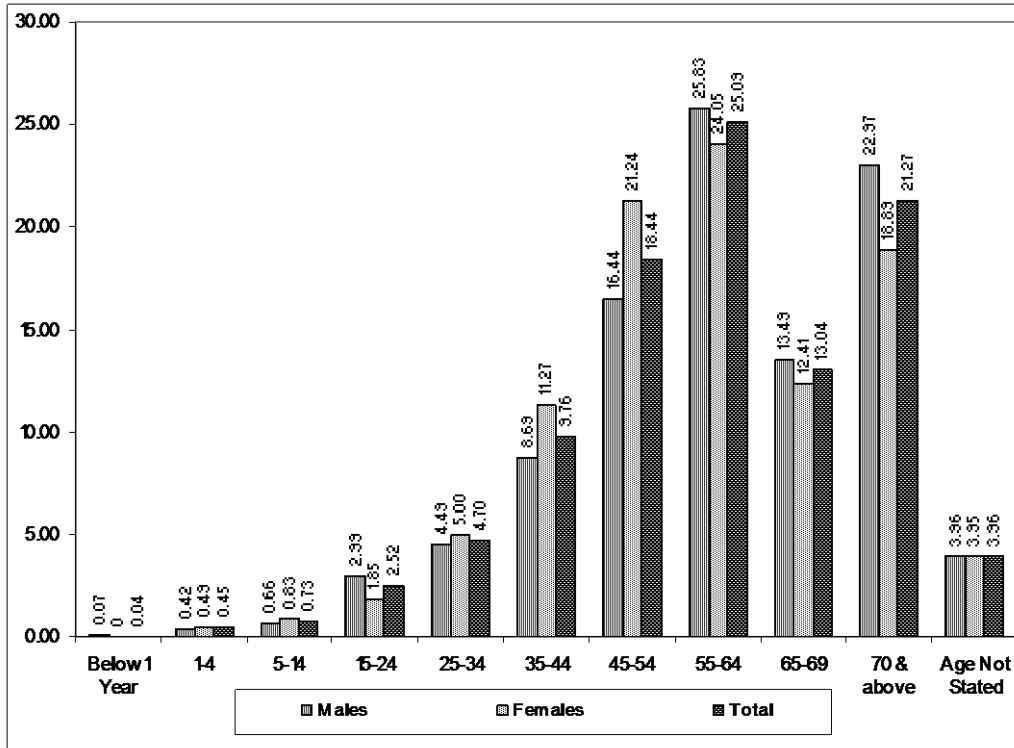
## Statement- 21

### Age Distribution of Deaths Due to Neoplasm Under MCCD-2012

Sl. No	Age Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 year	3	0.07	0	0	3	0.04
2	1-4	19	0.42	16	0.49	35	0.45
3	5-14	30	0.66	27	0.83	57	0.73
4	15-24	136	2.99	60	1.85	196	2.52
5	25-34	204	4.49	162	5.00	366	4.70
6	35-44	395	8.69	365	11.27	760	9.76
7	45-54	747	16.44	688	21.24	1435	18.44
8	55-64	1174	25.83	779	24.05	1953	25.09
9	65-69	613	13.49	402	12.41	1015	13.04
10	70 & above	1044	22.97	612	18.89	1656	21.27
11	Age Not Stated	180	3.96	128	3.95	308	3.96
	<b>Total</b>	<b>4545</b>	<b>100.00</b>	<b>3239</b>	<b>100.00</b>	<b>7784</b>	<b>100.00</b>

### CHART- 18

#### AGE DISTRIBUTION OF DEATHS DUE TO NEOPLASM UNDER MCCD-2012



## Other causes of Death

### 3.15 Diseases of the Genito-Urinary System (XIV)

Out of every hundred medically certified deaths, around three are reported from '*Diseases of Genitourinary System*'. Renal failure is the cause of maximum deaths (69.23 per cent) under the '*Genitourinary System*' disease with the overall share of 2.31 per cent in total medically certified deaths. The distribution of major causes under this group is given in **Statement-22** and is shown in **Chart-19**.

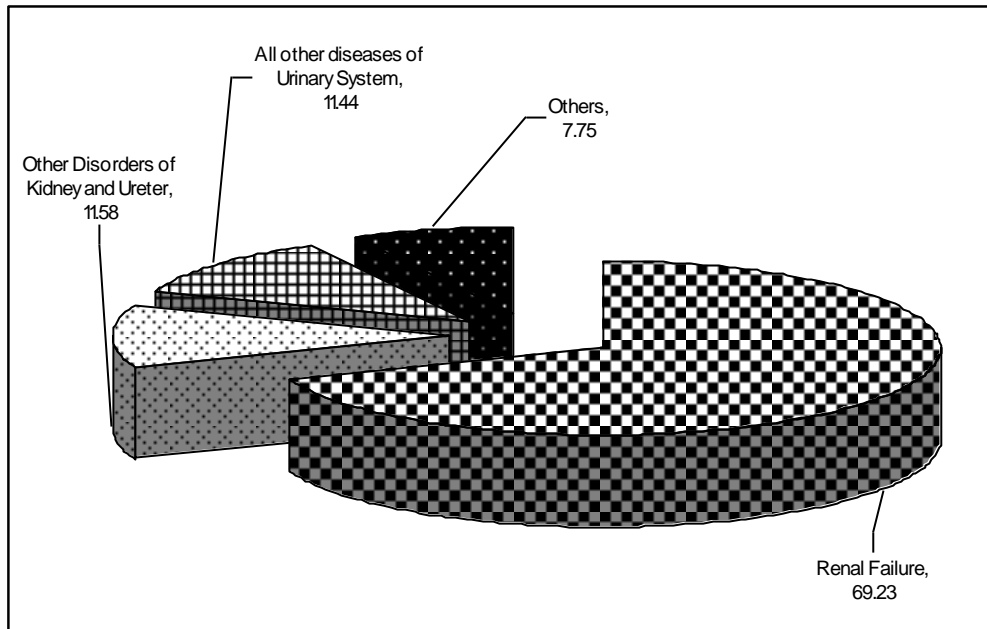
#### Statement – 22

#### Distribution of Major Causes of Deaths Due to Diseases of the Genitourinary System Under MCCD – 2012

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Renal Failure	1930	70.90	963	66.09	2893	69.23	2.31
2	All other diseases of Urinary System	311	11.43	173	11.87	484	11.58	0.39
3	Other Disorders of Kidney and Ureter	289	10.62	189	12.97	478	11.44	0.38
4	Others	192	7.05	132	9.06	324	7.75	0.26
	<b>Total Medically Certified Deaths due to Genito-urinary System</b>	<b>2722</b>	<b>100.00</b>	<b>1457</b>	<b>100.00</b>	<b>4179</b>	<b>100.00</b>	<b>3.34</b>
	Deaths due to Diseases of Genitourinary System as percentage to total Medically certified Deaths		3.41		3.2		3.34	

**CHART – 19**

**PERCENTAGE DISTRIBUTION OF MAJOR CAUSES OF DEATHS DUE TO DISEASES OF THE GENITOURINARY SYSTEM UNDER MCCD – 2012**



**3.15.1** The incidence of '*Renal failure*' death is reported to be, the highest for the age '*70 and above years*' (23.75 per cent). The **Statement-23** reveals that the deaths due to this disease are concentrated in the age 45 years and above, contributing around 80 per cent of total deaths reported under MCCD due to renal failure.

**Statement – 23**

**Age Distribution of Deaths Due to Renal Failure Under MCCD-2012**

Sl. No	Age Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 year	0	0	0	0	0	0
2	1-4	0	0	0	0	0	0
3	5-14	0	0	0	0	0	0
4	15-24	0	0	0	0	0	0
5	25-34	95	4.92	63	6.54	158	5.46
6	35-44	215	11.14	99	10.28	314	10.85
7	45-54	340	17.62	164	17.03	504	17.42
8	55-64	425	22.02	213	22.12	638	22.05
9	65-69	321	16.63	153	15.89	474	16.38
10	70 & above	452	23.42	235	24.40	687	23.75
11	Age Not stated	82	4.25	36	3.74	118	4.08
	<b>Total</b>	<b>1930</b>	<b>100.00</b>	<b>963</b>	<b>100.00</b>	<b>2893</b>	<b>100.00</b>



### 3.16 Diseases of the Nervous System (VI):

The cause group of Diseases of Nervous System is responsible for 2.61 per cent of the total medically certified deaths. The distribution of major causes of deaths under this group is shown in the **Statement-24** and is highlighted in **Chart-20**.

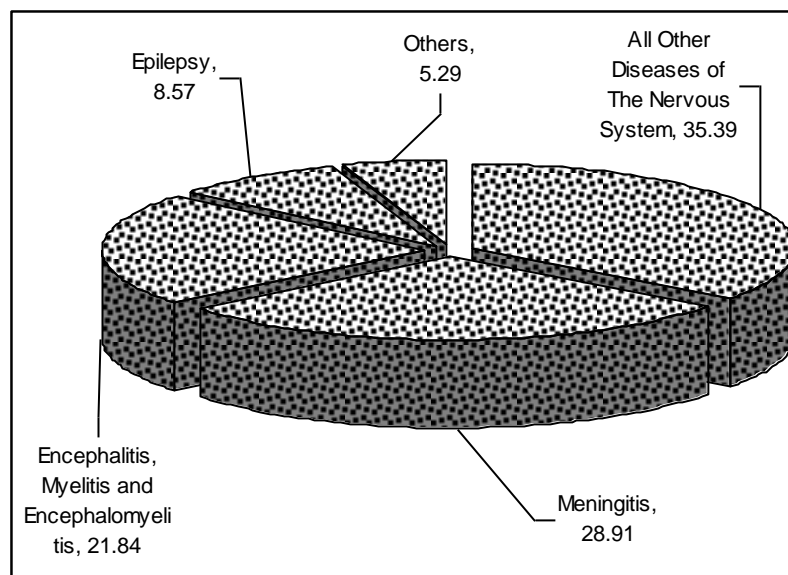
**Statement - 24**

**Distribution of Major Causes of Deaths due to Diseases of the Nervous System under MCCD – 2012**

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	All Other Diseases of The Nervous System	776	37.42	381	31.88	1157	35.39	0.92
2	Meningitis	596	28.74	349	29.21	945	28.91	0.75
3	Encephalitis, Myelitis and Encephalomyelitis	431	20.78	283	23.68	714	21.84	0.57
4	Epilepsy	185	8.92	95	7.95	280	8.57	0.22
5	Others	86	4.15	84	7.28	173	5.29	0.14
	<b>Total Medically Certified Deaths due to Nervous System</b>	<b>2074</b>	<b>100.00</b>	<b>1195</b>	<b>100.00</b>	<b>3269</b>	<b>100.00</b>	<b>2.61</b>
	Deaths due to Diseases of Nervous System as percentage to total Medically Certified Deaths		2.6		2.63		2.61	

**Chart – 20**

**PERCENTAGE DISTRIBUTION OF MAJOR CAUSES OF DEATHS DUE TO DISEASES OF THE NERVOUS SYSTEM UNDER MCCD – 2012**



*'All other Diseases of the Nervous System'* accounts for the maximum (35.39 per cent) deaths reported under this group, followed by *'Meningitis'* (28.91 per cent) and *'Encephalitis Myelitis and Encephalomyelitis'* (21.84 per cent). The share of *'Meningitis'* in the total medically certified deaths is about 0.75 per cent.

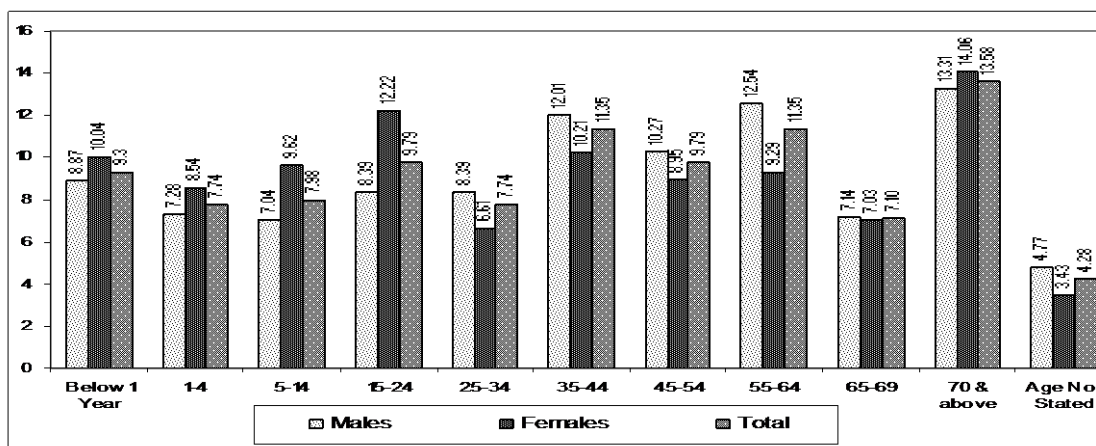
**3.16.1** The age group '70 & above' has reported the maximum deaths (13.58 per cent) under the major group *'Diseases of the Nervous System'*, this is followed by age groups 55-64 and 35.44 years have share equal percentage (11.35 per cent). Viewed from the angle of age, it affects worstly the age group below 1 year (9.3 per cent). The distribution of age-wise deaths is depicted in **Statement-25** and **Chart-21**.

**Statement – 25**  
**Age-wise Distribution of Deaths Due to Diseases of the Nervous System**  
**Under MCCD-2012**

Sl.No	Age Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	184	8.87	120	10.04	304	9.3
2	1-4	151	7.28	102	8.54	253	7.74
3	5-14	146	7.04	115	9.62	261	7.98
4	15-24	174	8.39	146	12.22	320	9.79
5	25-34	174	8.39	79	6.61	253	7.74
6	35-44	249	12.01	122	10.21	371	11.35
7	45-54	213	10.27	107	8.95	320	9.79
8	55-64	260	12.54	111	9.29	371	11.35
9	65-69	148	7.14	84	7.03	232	7.10
10	70 & above	276	13.31	168	14.06	444	13.58
11	Age Not Stated	99	4.77	41	3.43	140	4.28
	<b>Total</b>	<b>2074</b>	<b>100.00</b>	<b>1195</b>	<b>100.00</b>	<b>3269</b>	<b>100.00</b>

**Chart- 21**

**AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF THE NERVOUS SYSTEM UNDR MCCD – 2012**



### 3.17 Diseases of the Blood and Blood Forming Organs and Certain Disorders involving the Immune Mechanism (III):

The diseases under this cause group have contributed to 1.61 per cent of the total medically certified deaths. This cause group accounts for 1.40 per cent of total male and 1.96 per cent of total female medically certified deaths. “*Other Anaemias*” is the major cause constitutes around 80 per cent of total deaths reported in the cause group and 1.29 per cent of the total medically certified deaths. The distribution of major causes of deaths under this group is presented in **Statement-26**.

#### Statement-26

#### Distribution of Major Causes of Deaths due to Diseases of the Blood and Blood forming organs and Certain Disorders involving the Immune Mechanism Under MCCD-2012

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Other Anaemias	884	78.93	727	81.41	1611	80.03	1.29
2	Others	236	21.07	166	18.59	402	19.97	0.32
	<b>Total Medically Certified Deaths due to Blood and Blood forming organs and Immunity Mechanism</b>	<b>1120</b>	<b>100.00</b>	<b>893</b>	<b>100.00</b>	<b>2013</b>	<b>100.00</b>	<b>1.61</b>
	Deaths due to Diseases of Blood and Blood forming organs and Immunity Mechanism as percentage to total medically certified deaths		1.4		1.96		1.61	

### 3.18 Congenital Malformations, Deformations and Chromosomal Abnormalities (XVII)

Merely 1618 deaths are reportedly caused by ‘*Congenital Malformations, deformations and Chromosomal abnormalities*’, constituting about 1.29 per cent of the total medically certified deaths. The majority of these deaths occur for age less than one year (1105 or 67.87 per cent). Under this cause group, about 56.89 per cent deaths are caused by malformation of various Circulatory System.

**Statement – 27**

**Distribution of Deaths due to 'Congenital Malformations, Deformations and Chromosomal Abnormalities' under MCCD – 2012**

Sl. No	Cause of Death	Age Group (In years)			Percentage to total
		<1	1 year and above (Including age not specified)	Total	
1	Spina Bifida	25	5	30	1.85
2	Congenital Malformations of the Circulatory System	675	246	921	56.89
3	All other Congenital Malformations, Deformations & Chromosomal Abnormalities	405	263	668	41.26
	<b>Total</b>	<b>1105</b>	<b>514</b>	<b>1619</b>	
	Percentage to Total	66.25	31.75	100.00	

**3.19. Symptoms, Signs and Abnormal Clinical & Laboratory Findings, not elsewhere classified (N.E.C) (XVIII).**

This leading major cause group responsible for 0.99 per cent of the total medically certified deaths of which 0.99 per cent of males and 0.98 per cent of female death. The high prevalence of causes of death being reported under this cause from the hospitals reporting Medical Certification of Cause of Death data, clearly suggests about the deficiency in clarification especially improper classification of causes of deaths by the attending doctors. As depicted in the **Statement-28**. *“All other Symptoms, Signs and Abnormal Clinical & Laboratory Findings Not Elsewhere Classified”* accounted for 0.63 per cent of the total deaths in this group.

**Statement-28**

**Distribution of Deaths due to Symptoms Signs and Abnormal Clinical & Laboratory Findings not elsewhere classified Under MCCD-2012**

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	All other Symptoms, Signs and Abnormal Clinical & Laboratory findings, not elsewhere classified	530	66.83	266	59.51	796	64.19	0.63
2	Senility	117	14.75	78	17.45	195	15.73	0.16
3	Others	146	18.41	103	23.04	249	20.08	0.20
	<b>Total Medically Certified Deaths due to Symptoms Signs and Abnormal Clinical &amp; Laboratory Findings not elsewhere classified</b>	<b>793</b>	<b>100.00</b>	<b>447</b>	<b>100.00</b>	<b>1240</b>	<b>100.00</b>	<b>0.99</b>
	Deaths due to Diseases of Symptoms Signs and Abnormal Clinical & Laboratory Findings not elsewhere classified as percentage to total medically certified deaths		1.03		1.00		1.02	

**3.19.1** As shown in the **Statement-29**, the highest incidence of deaths (42.08 per cent) is reported for the age group 70 years and above. The age group “45 years and above” contributed nearly 73 per cent of total mortality reported under this cause group.

**Statement-29**

**Age Distribution of Deaths due to Symptoms Signs and Abnormal Clinical & Laboratory Findings not elsewhere classified Under MCCD-2012**

Sl. No	Age Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	0	0	0	0	0	0
2	1-4	3	0.38	3	0.67	6	0.48
3	5-14	11	1.39	7	1.57	18	1.45
4	15-24	26	3.28	24	5.37	50	4.03
5	25-34	35	4.41	21	4.70	56	4.52
6	35-44	71	8.95	29	6.49	100	8.06
7	45-54	92	11.60	25	5.59	117	9.44
8	55-64	96	12.11	45	10.07	141	11.37
9	65-69	85	10.72	38	8.50	123	9.92
10	70 & above	305	39.22	216	48.32	527	42.50
11	Age Not Stated	63	7.94	39	8.72	102	8.23
	<b>Total</b>	<b>787</b>	<b>100.00</b>	<b>447</b>	<b>100.00</b>	<b>1240</b>	<b>100.00</b>

### 3.20 Complications of Pregnancy, Childbirth and the Puerperium (XV)

The group consisting of '*Complications of Pregnancy, Childbirth and the Puerperium*' has reportedly caused 642 deaths (1.41 per cent of the total female medically certified deaths). As high as 95.01 per cent of deaths under this cause group have been due to obstetric causes like '*Oedema, Proteinura, Hypertensive Disorders, Complications Pre-dominantly Related to the Puerperium*' and some other related complications. The remaining 4.98 per cent deaths in this cause group are due to abortive outcome of Pregnancy such as Medical and Spontaneous Abortions.

#### Statement – 30

#### Distribution of Deaths due to "Complication of Pregnancy, Childbirth and the Puerperium "under MCCD – 2012

Sl. No	Cause of Death	No.	%	% to total female Medically Certified Deaths
1	Other Direct Obstetric Deaths	599	93.30	1.32
2	Other Obstetric Conditions not elsewhere Classified	32	4.98	0.07
3	Pregnancy with Abortive Outcome	11	1.71	0.02
	<b>Total Medically Certified Deaths due to Complication of Pregnancy, Childbirth and Puerperium</b>	<b>642</b>	<b>100.00</b>	<b>1.41</b>

### 3.21 Diseases of the Skin and Subcutaneous Tissue (XII)

These diseases account for 706 medically certified deaths (0.56 per cent of the total medically certified deaths). This cause group accounts for 0.59 per cent of total male and 0.51 per cent of total female medically certified deaths. About 81 per cent of the deaths under the cause group are caused by '*Infections of the Skin and Subcutaneous Tissue*'.

### 3.22 Diseases of the Musculoskeletal System and Connective Tissue (XIII)

This has contributed to only 216 deaths i.e. around 0.17 per cent of total medically certified deaths.

### 3.23 Mental and Behavioural Disorders (V)

The group relating to Mental and Behavioural disorders accounts for 125 deaths (0.10 per cent of total medically certified deaths). The age group 25-64 years constitutes around 87 per cent of total deaths due to '*Mental and Behavioural Disorders*'. Under this cause group, the deaths due to "*Schizophrenia, Schizotypal & Delusional Disorders*" constitutes the highest share (25.6 per cent) of total deaths. The ratio of males to females was disproportionate in this group (101 males to 24 females). The distribution of major causes of deaths under this group is presented in **Statement-31**.

#### Statement – 31

#### Distribution of Deaths due to 'Mental and Behavioural Disorders' under MCCD – 2012

Sl. No	Cause of Death	Age Group								% to Total
		<15	15-24	25-34	35-44	45-54	55-64	Others	Total	
1	Schizophrenia, Schizotypal & Delusional Disorders	0	2	6	28	23	12	8	79	63.2
2	Mental And Behavioural Disorders due to Psychoactive Substance use	0	3	5	4	8	4	8	32	25.6
3	All Other Mental Behavioural Disorders	1	0	1	2	4	3	3	14	11.2
	<b>Total</b>	<b>1</b>	<b>5</b>	<b>12</b>	<b>34</b>	<b>35</b>	<b>19</b>	<b>19</b>	<b>125</b>	<b>100.00</b>
	Percentage to total	0.80	4.00	9.60	27.20	28.00	15.20	15.20	100.00	

**3.24** The least harmful major causes are Diseases of the Eye and Adnexa (VII) and Diseases of the Ear and Mastoid Process (VIII). No significant mortality is reported due to these causes. They are reporting merely 6 and 3 deaths from each group respectively.

# **CHAPTER - IV**

**SCHEME OF MCCD :**

**SPECIFIC CAUSE OF MORTALITY  
IN DIFFERENT AGE GROUPS**



## CHAPTER- IV

### SPECIFIC CAUSE OF MORTALITY IN DIFFERENT AGE GROUPS

This chapter analyses the specific cause of mortality among different age groups by gender.

**4.1. Infants:** Out of the total medically certified deaths, around one-tenth has been reported for the Infants (children who could not complete their first birthday). The shares of male and female deaths to the corresponding totals of medically certified deaths are 9.99 per cent and 11.95 per cent respectively. The maximum incidence of death under this age group (86.65 per cent) has been reported to be caused by *‘Certain conditions originating in the perinatal period’*, which includes diseases **Slow Fetal Growth, Fetal Malnutrition and Immaturity, Hypoxia, Birth Asphyxia and other Respiratory Conditions** (80.36 per cent). This is followed by *‘Congenital Malformations, Deformations & Chromosomal Abnormalities’* (8.25 per cent) of which *Congenital Malformations of the Circulatory System* (61.08 per cent) is the major constituent. *‘Diseases of the Nervous System’* which contribute to about 2.27 per cent of the total infant deaths, assume third rank, having *Meningitis* (60.20 per cent) as the major killers. The distribution of mortality among infants by major cause groups has been given in **Statement-32** and is highlighted in **Chart -22**.

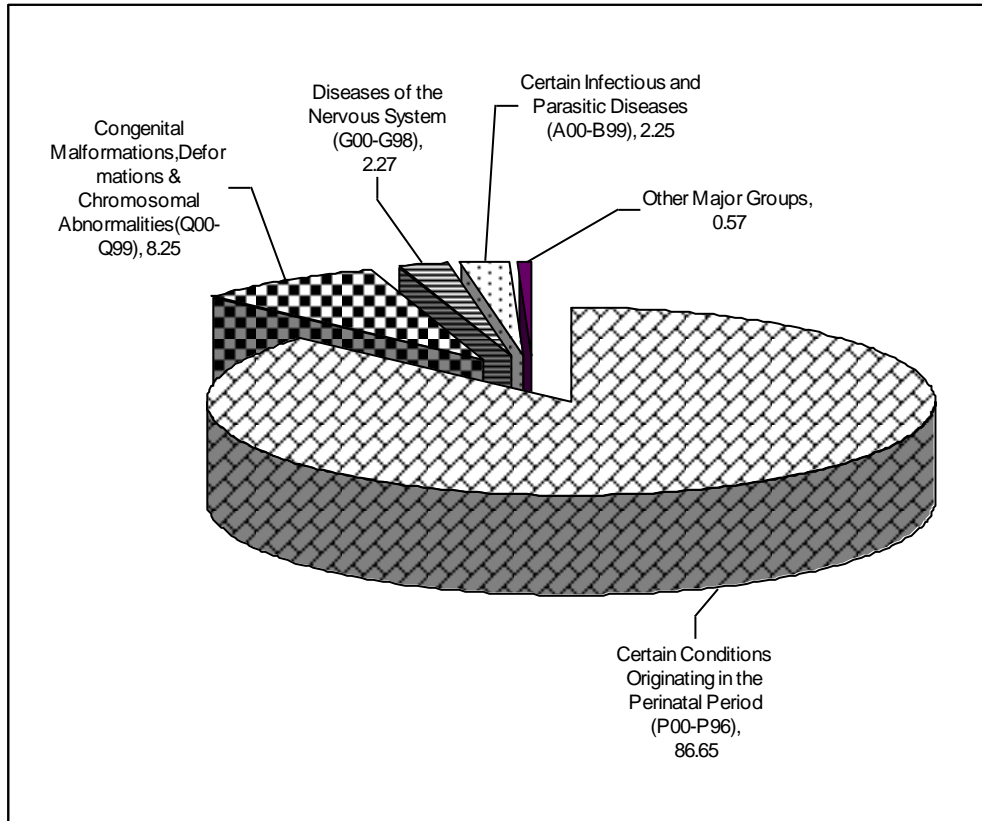
#### Statement – 32

##### Distribution of Mortality among Infants by Major Cause Group

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Certain Conditions Originating in the Perinatal Period (P00-P96)	6932	87.06	4678	86.06	11610	86.65
2	Congenital Malformations, Deformations & Chromosomal Abnormalities(Q00-Q99)	647	8.13	458	8.43	1105	8.25
3	Diseases of the Nervous System(G00-G98)	184	2.31	120	2.21	304	2.27
4	Certain Infectious and Parasitic Diseases (A00-B99)	171	2.15	131	2.41	302	2.25
5	Other Major Groups	28	0.35	49	0.9	77	0.57
	<b>Total Medically Certified Deaths in the age group &lt; 1 year</b>	<b>7962</b>	<b>100.00</b>	<b>5436</b>	<b>100.00</b>	<b>13398</b>	<b>100.00</b>
	Deaths in the age group <1 year as percentage to total Medically certified Deaths		9.99		11.96		10.70

## Chart – 22

### PERCENTAGE DISTRIBUTION OF MORTALITY AMONG INFANTS BY MAJOR CAUSE GROUP



**4.2 Children aged 1-4 year:** Of the total medically certified deaths, 1.16 per cent has been reported from this age-group, accounting for 1.10 per cent and 1.43 per cent of total male and female medically certified deaths respectively. *‘Certain infectious and Parasitic Diseases’* rank first, constituting 32.46 per cent of total medically certified deaths in the age group under which *Other Arthropod Born Viral Fevers and Viral Haemorrhagic fevers* (19.87 per cent), *Diarrhoea and Gastro enteritis of Presumed Infectious Origin* (15.43 per cent) and *Septicaemia* (14.16 per cent) are the major constituents.. *Congenital Malformations, Deformations and Chromosomal Abnormalities* is the second leading cause contribute around 17.71 per cent of total medically certified deaths in the age group. *Congenital Malformations of the Circulatory System* is the leading cause contribute around 50 per cent of the deaths in Congenital Abnormalities group. The third leading cause group of deaths, *‘Diseases of the Nervous System’* is responsible for 17.36 per cent of deaths in this age group. *‘Meningitis’* have taken about 43.08 per cent of the total deaths under this cause group. The distribution of mortality in the age group 1-4 years by major cause group has been given in **Statement -33** and **Chart 23**.

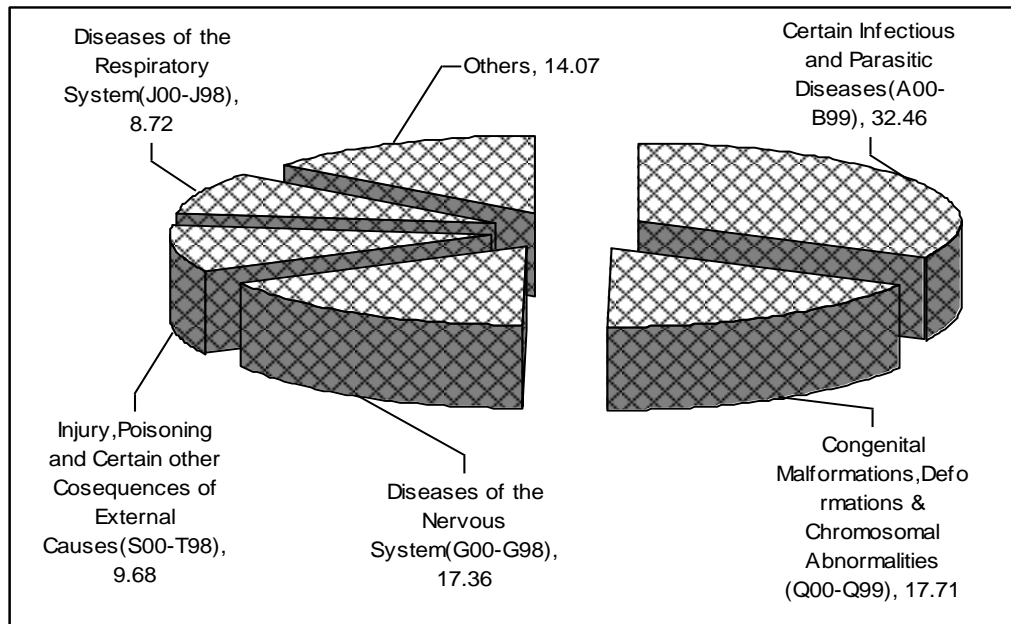
**Statement - 33**

**Distribution of Mortality among children in the Age Group 1-4 years  
by Major Cause Group.**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Certain Infectious and Parasitic Diseases(A00-B99)	249	30.78	224	34.57	473	32.46
2	Congenital Malformations Deformations & Chromosomal Abnormalities (Q00-Q99)	142	17.55	116	17.9	258	17.71
3	Diseases of the Nervous System (G00-G98)	151	18.67	102	15.74	253	17.36
4	Injury,Poisoning and Certain other Cosequences of External Causes(S00-T98)	79	9.77	62	9.57	141	9.68
5	Diseases of the Respiratory System(J00-J98)	65	8.03	62	9.57	127	8.72
6	Others	123	15.2	82	12.65	205	14.07
	<b>Total Medically Certified Deaths in the age group 1-4 Year</b>	<b>809</b>	<b>100.00</b>	<b>648</b>	<b>100.00</b>	<b>1457</b>	<b>100.00</b>
	Deaths in the age group 1-4 year as percentage to total Medically certified deaths		1.01		1.43		1.16

**CHART -23**

**PERCENTAGE DISTRIBUTION OF MORTALITY AMONG CHILDREN IN THE AGE GROUP 1-4 YEARS BY MAJOR CAUSE GROUP**



**4.3 Children aged 5-14 years:** The share of this age group in the total medically certified deaths is 1.59 per cent, constituting 1.37 per cent and 1.98 per cent of total male and female medically certified deaths respectively. Of the total reported deaths under this age group, the share of '*Certain infectious and Parasitic Diseases*' is 29.29 per cent followed by *Injury, Poisoning and Certain other Consequences of External Causes* (21.66 per cent), *Diseases of the Nervous System* (13.09 per cent), *Congenital Malformation, Deformation & Chromosomal Abnormalities* (9.53 per cent) and *Diseases of Respiratory System* (6.87 per cent). The Distribution of mortality in the age group 5-14 years, by major cause groups is given in **Statement- 34** and **Chart - 24**.

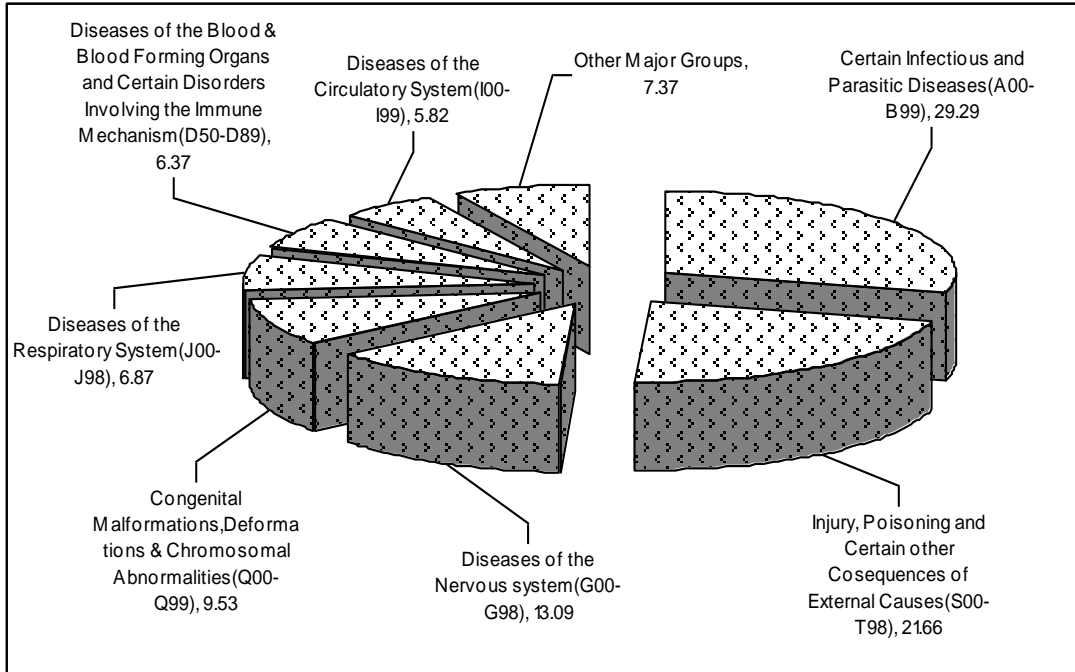
**Statement – 34**

**Distribution of Mortality among children in the Age Group 5-14 years  
by Major Cause Groups**

Sl.No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Certain Infectious and Parasitic Diseases(A00-B99)	303	27.67	281	31.26	584	29.29
2	Injury, Poisoning and Certain other Consequences of External Causes(S00-T98)	242	22.1	190	21.13	432	21.66
3	Diseases of the Nervous system(G00-G98)	146	13.33	115	12.79	261	13.09
4	Congenital Malformations, Deformations & Chromosomal Abnormalities(Q00-Q99)	118	10.78	72	8.01	190	9.53
5	Diseases of the Respiratory System(J00-J98)	74	6.76	63	7.01	137	6.87
6	Diseases of the Blood & Blood Forming Organs and Certain Disorders Involving the Immune Mechanism(D50-D89)	71	6.48	56	6.23	127	6.37
7	Diseases of the Circulatory System(I00-I99)	61	5.57	55	6.12	116	5.82
8	Other Major Groups	80	7.31	67	7.45	147	7.37
	<b>Total Medically Certified Deaths in the age group 5-14 Year</b>	<b>1095</b>	<b>100</b>	<b>899</b>	<b>100</b>	<b>1994</b>	<b>100</b>
	Deaths in the age group 5-14 year as percentage to total Medically certified deaths		1.37		1.98		1.59

## CHART – 24

### PERCENTAGE DISTRIBUTION OF MORTALITY AMONG CHILDREN IN THE AGE GROUP 5-14 YEARS BY MAJOR CAUSE GROUPS



**4.4 Persons aged 15-24 years:** This age-group has contributed to 4.59 per cent of the total medically certified deaths and the share of male and female deaths to the corresponding total being 3.53 per cent and 6.54 per cent respectively. The category consisting of *“Injury, Poisoning & certain other consequences of External causes”* has caused the maximum deaths 47.25 per cent of total deaths reported under this age group. *“Certain Infectious and Parasitic Diseases”*, *“Diseases of the Nervous System”* and *“Diseases of the Circulatory System”* are other leading causes of deaths, accounting for 18.20 per cent, 5.57 cent and 4.70 per cent of deaths respectively. The distribution of mortality in the age group 15-24 years, by major cause groups has been shown in **Statement - 35** and **Chart-25**.

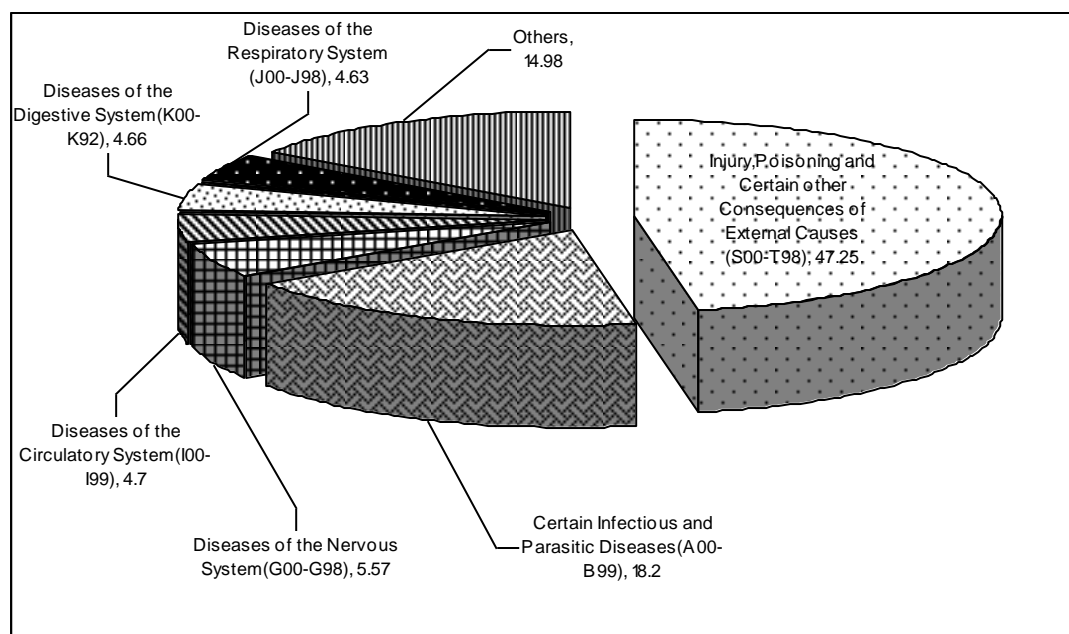
### Statement – 35

#### Distribution of Mortality among persons in the Age Group 15-24 years by Major Cause Groups

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Injury, Poisoning and Certain other Consequences of External Causes(S00-T98)	1356	48.14	1359	46.4	2715	47.25
2	Certain Infectious and Parasitic Diseases(A00-B99)	533	18.92	513	17.51	1046	18.2
3	Diseases of the Nervous System(G00-G98)	174	6.18	146	4.98	320	5.57
4	Diseases of the Circulatory System(I00-I99)	153	5.43	117	3.99	270	4.7
5	Diseases of the Digestive System(K00-K92)	155	5.5	113	3.86	268	4.66
6	Diseases of the Respiratory System(J00-J98)	123	4.37	143	4.88	266	4.63
7	Others	323	11.47	538	18.37	861	14.98
	<b>Total Medically Certified Deaths in the age group 15-24 Year</b>	<b>2817</b>	<b>100</b>	<b>2929</b>	<b>100</b>	<b>5746</b>	<b>100</b>
	Deaths in the age group 15-24 year as percentage to total Medically certified deaths		3.53		6.44		4.59

### Chart – 25

#### PERCENTAGE DISTRIBUTION OF MORTALITY AMONG PERSONS IN THE AGE GROUP 15-24 YEARS BY MAJOR CAUSE GROUPS



**4.5 Persons aged 25-34 years:** This age group has constituted around 7.16 per cent of total medically certified deaths. Around every fourteenth medically certified death belongs to this age-group, with 6.78 per cent and 7.82 per cent of total male and female medically certified deaths respectively coming from this age group. A significant percentage of deaths have been reported due to *‘Injury, Poisoning & certain other consequences of External Causes’* (35.61 per cent). The two other major determinants of deaths are *‘Certain Infectious and Parasitic Diseases’* (17.67) and *‘Diseases of the Circulatory System’* (13.87 per cent). The Distribution of Mortality in the age group 25-34 years, by major cause groups has been shown in **Statement - 36 & Chart- 26**

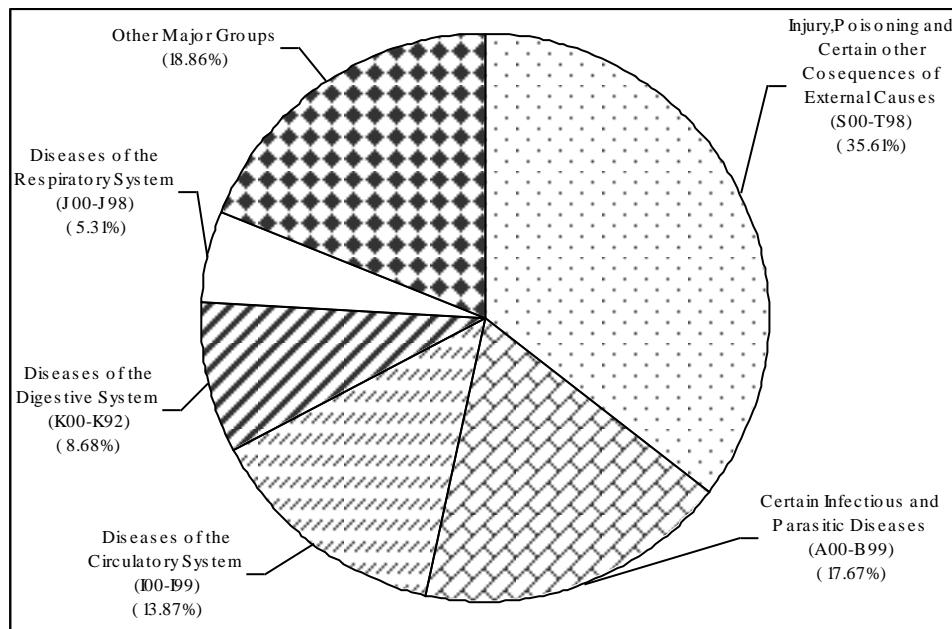
### Statement – 36

#### Distribution of Mortality among persons in the Age Group 25-34 years by Major Cause Groups

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Injury, Poisoning and Certain other Consequences of External Causes(S00-T98)	1847	34.17	1344	37.78	3191	35.61
2	Certain Infectious and Parasitic Diseases(A00-B99)	959	17.74	625	17.57	1584	17.67
3	Diseases of the Circulatory System(I00-I99)	813	15.04	430	12.09	1243	13.87
4	Diseases of the Digestive System(K00-K92)	640	11.84	138	3.88	778	8.68
5	Diseases of the Respiratory System(J00-J98)	285	5.27	191	5.37	476	5.31
6	Other Major Groups	861	15.93	829	23.31	1690	18.86
	<b>Total Medically Certified Deaths in the age group 25-34 Years</b>	<b>5405</b>	<b>100</b>	<b>3557</b>	<b>100</b>	<b>8962</b>	<b>100</b>
	Deaths in the age group 25-34 year as percentage to total Medically certified deaths		6.78		7.82		7.16

**Chart -26**

**PERCENTAGE DISTRIBUTION OF MORTALITY AMONG PERSONS IN THE AGE GROUP 25-34 YEARS BY MAJOR CAUSE GROUPS**



**4.6 Persons aged 35-44 years :** The overall contribution of this age-group in total medically certified deaths is 10.46 per cent, accounting for 11.20 per cent for male and 9.17 per cent of female deaths. *‘Diseases of the Circulatory System’, ‘Injury Poisoning and Certain other Consequences of External Causes’, ‘Certain Infectious and Parasitic Diseases’, ‘Diseases of Digestive System’, ‘Diseases of Respiratory System’ and ‘Neoplasms’* are leading cause groups of deaths together contributing around 85.03 per cent of total deaths under this age-group. The distribution of mortality in the age group 35-44 years, by major cause group has been presented in **Statement-37** and **Chart-27**.



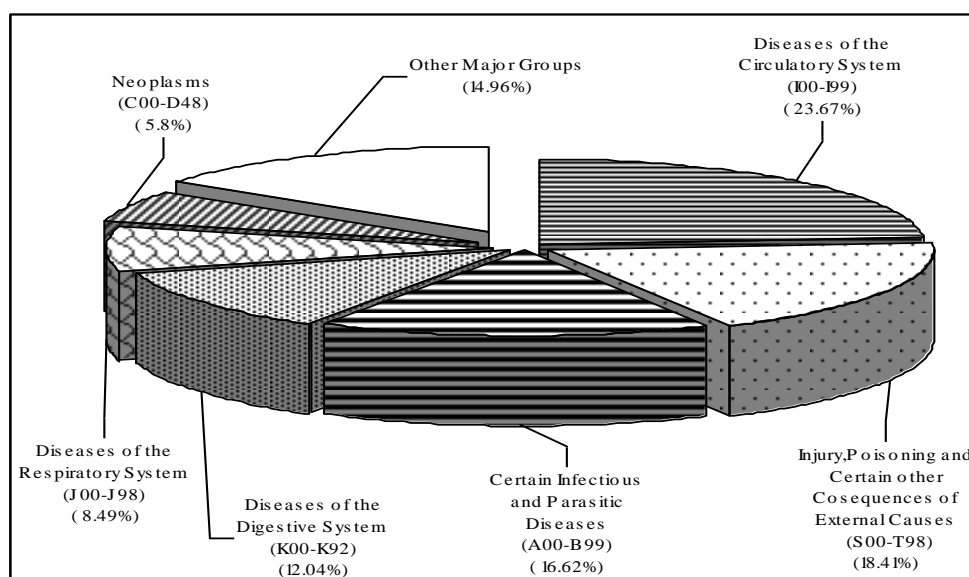
### Statement -37

#### Distribution of Mortality among persons in the Age Group 35-44 years by Major Cause Groups

Sl. No	Major Cause group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	2195	24.57	906	21.74	3101	23.67
2	Injury,Poisoning and Certain other Cosequences of External Causes(S00-T98)	1570	17.58	842	20.21	2412	18.41
3	Certain Infectious and Parasitic Diseases(A00-B99)	1462	16.37	715	17.16	2177	16.62
4	Diseases of the Digestive System(K00-K92)	1359	15.21	218	5.23	1577	12.04
5	Diseases of the Respiratory System(J00-J98)	732	8.2	380	9.12	1112	8.49
6	Neoplasms (C00-D48)	395	4.42	365	8.76	760	5.8
7	Other Major Groups	1219	13.65	741	17.78	1960	14.96
	<b>Total Medically Certified Deaths in the age group 35-44 Years</b>	<b>8932</b>	<b>100</b>	<b>4167</b>	<b>100</b>	<b>13099</b>	<b>100</b>
	Deaths in the age group 35-44 year as percentage to total Medically certified deaths		11.2		9.17		10.46

### Chart – 27

#### PERCENTAGE DISTRIBUTION OF MORTALITY AMONG PERSONS IN THE AGE GROUP 35-44 YEARS BY MAJOR CAUSE GROUPS



**4.7 Persons aged 45-54 years:** This age group has contributed to 13.32 per cent of the total medically certified deaths, constituting 14.68 per cent and 10.94 per cent of total male and female medically certified deaths respectively. The prominent causes of mortality in this age group are '*Diseases of Circulatory System*' (31.90 per cent), '*Certain, Infectious and Parasitic Diseases*' (13.37 per cent), '*Diseases of the Digestive System*' (11.52 per cent), '*Injury, Poisoning & Certain other consequences of External Causes*' (10.63 per cent), '*Neoplasms*' (8.61 per cent) and '*Diseases of the Respiratory System*' (8.53 per cent) which together contribute around 84.57 per cent of the total deaths reported under this age-group. The distribution of mortality in the age group 45-54 years, by major cause groups has been presented in **Statement – 38** and **Chart -28**.

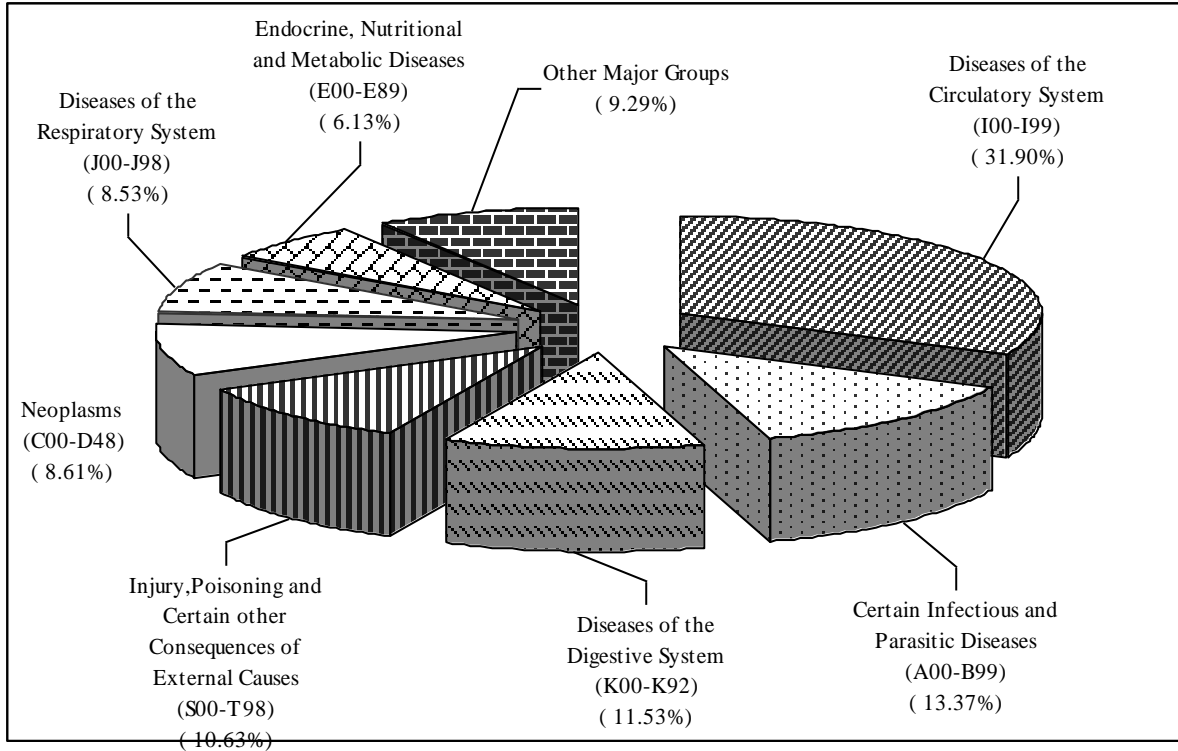
**Statement – 38**

**Distribution of Mortality among persons in the Age Group 45-54 years  
by Major Cause Groups**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	3848	32.88	1472	29.59	5320	31.9
2	Certain Infectious and Parasitic Diseases(A00-B99)	1484	12.68	746	15	2230	13.37
3	Diseases of the Digestive System(K00-K92)	1638	14	285	5.73	1923	11.53
4	Injury, Poisoning and Certain other Consequences of External Causes(S00-T98)	1292	11.04	481	9.67	1773	10.63
5	Neoplasms (C00-D48)	747	6.38	688	13.83	1435	8.61
6	Diseases of the Respiratory System(J00-J98)	1019	8.71	404	8.12	1423	8.53
7	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	655	5.6	367	7.38	1022	6.13
8	Other Major Groups	1019	8.71	531	10.68	1550	9.29
	<b>Total Medically Certified Deaths in the age group 45-54 Years</b>	<b>11702</b>	<b>100</b>	<b>4974</b>	<b>100</b>	<b>16676</b>	<b>100</b>
	Deaths in the age group 45-54 year as percentage to total Medically certified deaths		14.68		10.94		13.32

**Chart – 28**

**PERCENTAGE DISTRIBUTION OF MORTALITY AMONG PERSONS IN THE AGE GROUP 45-54 YEARS BY MAJOR CAUSE GROUPS**



**4.8 Persons aged 55-64 years:** This age group has a share of 15.81 per cent in the total medically certified deaths, accounting for 16.91 per cent and 13.90 per cent of total male and female medically certified deaths respectively. *‘Diseases of the Circulatory System’* have contributed to the maximum number (39.43 per cent) of total deaths in this age-group, followed by *Neoplasms* (9.87 per cent). In the *Circulatory System deaths ‘Ischaemic Heart Diseases’* have taken the highest toll contributing around 44 per cent of total deaths. Around 91 per cent of the deaths under the cause group, *Endorine, Nutritional and Metabolic Diseases* is due to *‘Diabetes Mellitus’*. The cause group *‘Certain Infectious and Parasitic Diseases’* is responsible for 9.48 per cent of the total deaths under this age group *‘Respiratory Tuberculosis’* constituted 44 per cent of total deaths (Refer Table-2). The distribution of mortality in the age group 55-64 years by major cause group has been highlighted in the **Statement-39** and **Chart – 29**.

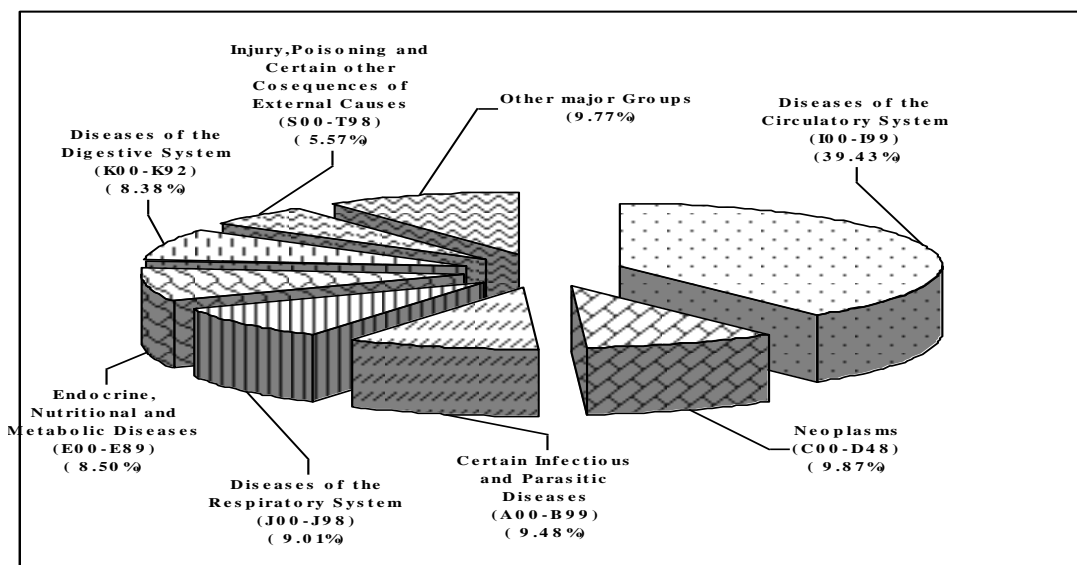
### Statement -39

#### Distribution of Mortality among persons in the Age Group 55-64 years by Major Cause Groups

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	5291	39.26	2514	39.79	7805	39.43
2	Neoplasms (C00-D48)	1174	8.71	779	12.33	1953	9.87
3	Certain Infectious and Parasitic Diseases(A00-B99)	1214	9.01	663	10.49	1877	9.48
4	Diseases of the Respiratory System(J00-J98)	1270	9.42	514	8.14	1784	9.01
5	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	1035	7.68	648	10.26	1683	8.50
6	Diseases of the Digestive System(K00-K92)	1359	10.08	299	4.73	1658	8.38
7	Injury, Poisoning and Certain other Consequences of External Causes(S00-T98)	860	6.38	242	3.83	1102	5.57
8	Other major Groups	1274	9.45	659	10.43	1933	9.77
	<b>Total Medically Certified Deaths in the age group 55-64 Years</b>	<b>13477</b>	<b>100.00</b>	<b>6318</b>	<b>100.00</b>	<b>19795</b>	<b>100.00</b>
	Deaths in the age group 55-64 year as percentage to total Medically certified deaths		16.91		13.9		15.81

### Chart – 29

#### PERCENTAGE DISTRIBUTION OF MORTALITY AMONG PERSONS IN THE AGE GROUP 55-64 YEARS BY MAJOR CAUSE GROUPS



**4.9 Persons aged 65-69 years :** The share of this age group in total medically certified deaths is 10.15 per cent, constituting 10.31 per cent and 9.87 per cent of total male and female medically certified deaths respectively. In this age group, *'Diseases of the Circulatory System'* alone constitute the highest number of deaths (46.15 per cent). *'Ischaemic Heart Diseases'* constitute the highest share around 42 per cent of circulatory system deaths under this age group. The second leading cause group of death in this age group is *'Diseases of the Respiratory System'* with the share of 9.92 per cent. *'Other Lower Respiratory Disorders'* and *'Pneumonia'* are being the major constituents with the shares of 42.30 per cent and 19.05 per cent of this cause group respectively. *'Endocrine, Nutritional and Metabolic diseases'* rank third with 9.57 percent of the total deaths. Under this cause group *'Diabetes Mellitus'* is the main cause alone contribute 91.78 per cent of the deaths. (Ref.Table-2) The distribution of mortality in the age group 65-69 years, by major cause groups has been portrayed in **Statement-40** and **Chart-30**.

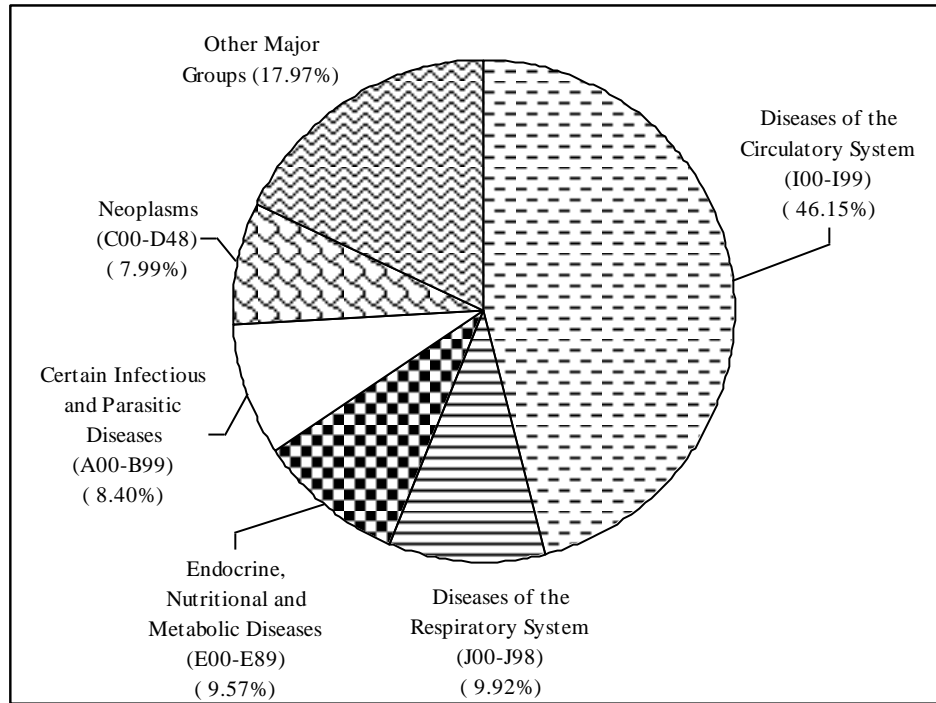
**Statement -40**

**Distribution of Mortality among persons in the Age Group 65-69 years  
by Major Cause Groups**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	3722	45.30	2140	47.70	5862	46.15
2	Diseases of the Respiratory System(J00-J98)	851	10.36	409	9.12	1260	9.92
3	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	723	8.80	493	10.99	1216	9.57
4	Certain Infectious and Parasitic Diseases(A00-B99)	694	8.45	373	8.31	1067	8.40
5	Neoplasms (C00-D48)	613	7.46	402	8.96	1015	7.99
6	Other Major Groups	1613	19.63	669	14.91	2282	17.97
	<b>Total Medically Certified Deaths in the age group 65-69 Years</b>	<b>8216</b>	<b>100.00</b>	<b>4486</b>	<b>100.00</b>	<b>12702</b>	<b>100.00</b>
	Deaths in the age group 65-69 years as percentage to total Medically certified deaths		10.31		9.87		10.15

**Chart-30**

**PERCENTAGE DISTRIBUTION OF MORTALITY AMONG PERSONS IN THE AGE GROUP 65-69 YEARS BY MAJOR CAUSE GROUPS**



**4.10 Old aged Persons 70 years and above:** This age group, as expected, has reported the maximum incidence (20.77 per cent) of total medically certified deaths. As high as 19.69 per cent and 22.69 per cent of total male and female medically certified deaths have respectively been reported from this age group. In this age group '**Diseases of the Circulatory System**' alone contribute 48.62 per cent of deaths. **Ischemic Heart Diseases** constitute maximum number (46.03 per cent) of Circulatory system deaths under this age group. The major group of '**Diseases of Respiratory System**' is the second leading cause of death with 11.38 per cent of total deaths under this age group '**Other Lower Respiratory Disorders**' and '**Pnumonia**' are the major constituents of Diseases of Respiratory system with the shares of 69.66 per cent and 35.17 per cent respectively. With the share of 11.33 per cent, '**Endocrine, Nutritional and Metabolic Diseases**' is the third leading cause group of death in this age group. Under this age cause group, '**Diabetes Mellitus**' is the only cause account for about 91 per cent deaths (Ref. Table-2). The distribution of mortality in the age group 70 years and above, by major cause group has been presented in **Statement-41 & Chart-31**.

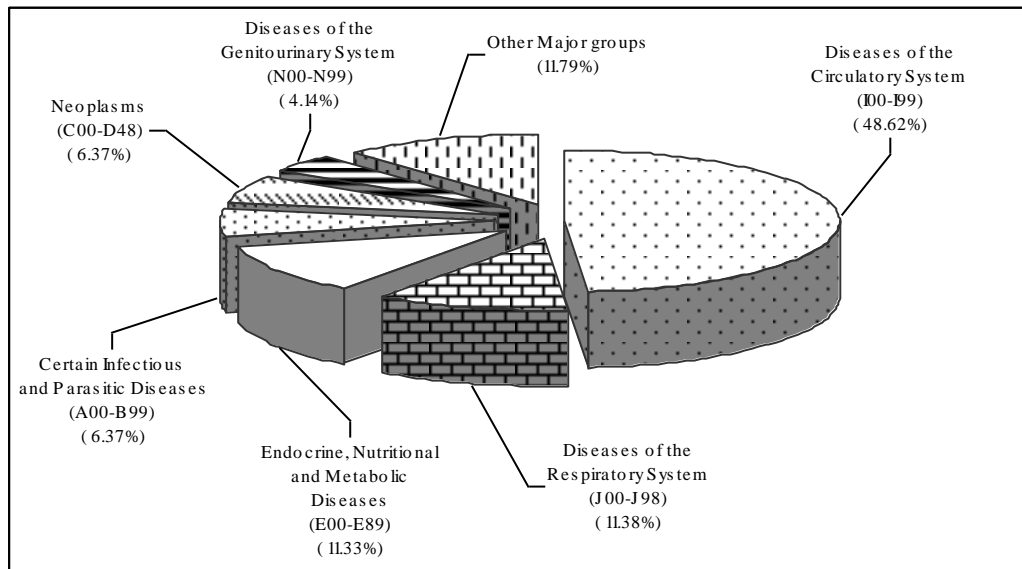
**Statement -41**

**Distribution of Mortality among Old aged persons (70 or above years)  
by Major Cause Groups – 2012**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	7364	46.92	5274	51.2	12638	48.62
2	Diseases of the Respiratory System(J00-J98)	1896	12.08	1061	10.3	2957	11.38
3	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	1694	10.79	1252	12.15	2946	11.33
4	Certain Infectious and Parasitic Diseases(A00-B99)	1047	6.67	610	5.92	1657	6.37
5	Neoplasms (C00-D48)	1044	6.65	612	5.94	1656	6.37
6	Diseases of the Genitourinary System(N00-N99)	687	4.38	390	3.79	1077	4.14
7	Other Major groups	1962	12.5	1102	10.7	3064	11.79
	<b>Total Medically Certified Deaths in the age group 70 or above Years</b>	<b>15694</b>	<b>100</b>	<b>10301</b>	<b>100</b>	<b>25995</b>	<b>100</b>
	Deaths in the age group 70 or above years as percentage to total Medically certified deaths		19.69		22.66		20.77

**CHART – 31**

**PERCENTAGE DISTRIBUTION OF MORTALITY AMONG OLD AGED PERSONS  
(70 OR ABOVE YEARS) BY MAJOR CAUSE GROUPS – 2012**



# APPENDICES



## LIST OF STATISTICAL TABLES

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**TABLE 1: MEDICALLY CERTIFIED DEATHS BY AGE,SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

**KARNATAKA**

SL. NO	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	Male	171	249	303	533	959	1462	1484	1214	694	1047	412	8528
		Female	131	224	281	513	625	715	746	663	373	610	176	5057
		Total	302	473	584	1046	1584	2177	2230	1877	1067	1657	588	13585
2	NEOPLASMS (C00-D48)	Male	3	19	30	136	204	395	747	1174	613	1044	180	4545
		Female	0	16	27	60	162	365	688	779	402	612	128	3239
		Total	3	35	57	196	366	760	1435	1953	1015	1656	308	7784
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	Male	0	46	71	83	152	185	133	190	63	139	58	1120
		Female	0	26	56	112	129	119	109	103	50	142	47	893
		Total	0	72	127	195	281	304	242	293	113	281	105	2013
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0	5	6	23	108	350	655	1035	723	1694	275	4874
		Female	0	8	8	31	63	192	367	648	493	1252	170	3232
		Total	0	13	14	54	171	542	1022	1683	1216	2946	445	8106
5	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0	0	1	4	9	29	34	9	3	6	6	101
		Female	0	0	0	1	3	5	1	10	3	0	1	24
		Total	0	0	1	5	12	34	35	19	6	6	7	125
6	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	Male	184	151	146	174	174	249	213	260	148	276	99	2074
		Female	120	102	115	146	79	122	107	111	84	168	41	1195
		Total	304	253	261	320	253	371	320	371	232	444	140	3269
7	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0	0	0	0	0	0	1	2	0	0	1	4
		Female	0	0	0	0	1	0	0	1	0	0	0	2
		Total	0	0	0	0	1	0	1	3	0	0	1	6

**TABLE 1: MEDICALLY CERTIFIED DEATHS BY AGE,SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

**KARNATAKA**

SL. NO	CAUSE OF DEATH	SEX	AGE GROUPS												
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
8	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	0	0	0	0	0	0	2	0	0	2
		Female	0	0	0	0	0	0	0	0	0	1	0	0	1
		Total	0	0	0	0	0	0	0	0	0	3	0	0	3
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	Male	0	35	61	153	813	2195	3848	5291	3722	7364	1199	24681	
		Female	19	22	55	117	430	906	1472	2514	2140	5274	632	13581	
		Total	19	57	116	270	1243	3101	5320	7805	5862	12638	1831	38262	
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	Male	11	65	74	123	285	732	1019	1270	851	1896	352	6678	
		Female	5	62	63	143	191	380	404	514	409	1061	148	3380	
		Total	16	127	137	266	476	1112	1423	1784	1260	2957	500	10058	
11	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	Male	0	11	25	155	640	1359	1638	1359	533	642	338	6700	
		Female	0	3	17	113	138	218	285	299	127	251	72	1523	
		Total	0	14	42	268	778	1577	1923	1658	660	893	410	8223	
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0	0	0	0	27	48	89	105	56	133	18	476	
		Female	0	0	0	0	23	18	32	52	30	65	10	230	
		Total	0	0	0	0	50	66	121	157	86	198	28	706	
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	Male	0	0	0	9	7	13	14	22	16	34	9	124	
		Female	0	0	0	1	6	11	18	19	14	16	7	92	
		Total	0	0	0	10	13	24	32	41	30	50	16	216	
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0	4	7	15	145	274	443	590	438	687	119	2722	
		Female	0	4	8	15	96	132	239	318	201	390	54	1457	
		Total	0	8	15	30	241	406	682	908	639	1077	173	4179	

**TABLE 1: MEDICALLY CERTIFIED DEATHS BY AGE,SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

**KARNATAKA**

SL. NO	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+	NS		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
15	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	282	246	113	0	0	0	0	0	1	642
		Total	0	0	0	282	246	113	0	0	0	0	0	1	642
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	Male	6932	0	0	0	0	0	0	0	0	0	0	6932	
		Female	4678	0	0	0	0	0	0	0	0	0	0	4678	
		Total	11610	0	0	0	0	0	0	0	0	0	0	11610	
17	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES (Q00-Q99)	Male	647	142	118	27	0	0	0	0	0	6	20	954	
		Female	458	116	72	12	0	0	0	0	0	3	7	665	
		Total	1105	258	190	39	0	0	0	0	0	9	27	1619	
18	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED(R00-R99)	Male	0	3	11	26	35	71	92	96	85	311	63	793	
		Female	0	3	7	24	21	29	25	45	38	216	39	447	
		Total	0	6	18	50	56	100	117	141	123	527	102	1240	
19	INJURY,POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES (S00-T98)	Male	14	79	242	1356	1847	1570	1292	860	269	421	461	8411	
		Female	25	62	190	1359	1344	842	481	242	121	244	213	5123	
		Total	39	141	432	2715	3191	2412	1773	1102	390	665	674	13534	
20	EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(V01-Y89)	Male	14	79	242	1356	1847	1570	1292	860	269	421	461	8411	
		Female	25	62	190	1359	1344	842	481	242	121	244	213	5123	
		Total	39	141	432	2715	3191	2412	1773	1102	390	665	674	13534	
ALL CAUSES	MALE	7962	809	1095	2817	5405	8932	11702	13477	8216	15694	3610	79719		
	FEMALE	5436	648	899	2929	3557	4167	4974	6318	4486	10301	1746	45461		
	TOTAL	13398	1457	1994	5746	8962	13099	16676	19795	12702	25995	5356	125180		

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>I</b>	<b>CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)</b>	<b>Male</b>	<b>171</b>	<b>249</b>	<b>303</b>	<b>533</b>	<b>959</b>	<b>1462</b>	<b>1484</b>	<b>1214</b>	<b>694</b>	<b>1047</b>	<b>412</b>	<b>8528</b>
		<b>Female</b>	<b>131</b>	<b>224</b>	<b>281</b>	<b>513</b>	<b>625</b>	<b>715</b>	<b>746</b>	<b>663</b>	<b>373</b>	<b>610</b>	<b>176</b>	<b>5057</b>
		<b>Total</b>	<b>302</b>	<b>473</b>	<b>584</b>	<b>1046</b>	<b>1584</b>	<b>2177</b>	<b>2230</b>	<b>1877</b>	<b>1067</b>	<b>1657</b>	<b>588</b>	<b>13585</b>
<b>1</b>	<b>INTESTINAL INFECTIOUS DISEASES(A00-A09)</b>	<b>Male</b>	<b>115</b>	<b>41</b>	<b>37</b>	<b>35</b>	<b>44</b>	<b>82</b>	<b>80</b>	<b>116</b>	<b>56</b>	<b>155</b>	<b>44</b>	<b>805</b>
		<b>Female</b>	<b>81</b>	<b>49</b>	<b>22</b>	<b>42</b>	<b>40</b>	<b>54</b>	<b>58</b>	<b>94</b>	<b>44</b>	<b>142</b>	<b>35</b>	<b>661</b>
		<b>Total</b>	<b>196</b>	<b>90</b>	<b>59</b>	<b>77</b>	<b>84</b>	<b>136</b>	<b>138</b>	<b>210</b>	<b>100</b>	<b>297</b>	<b>79</b>	<b>1466</b>
1	CHOLERA(A00)	Male	0	0	0	0	0	0	0	0	0	1	0	1
		Female	0	0	0	0	0	0	1	0	0	0	0	1
2	TYPHOID FEVER AND PARATYPHOID FEVERS(A01)	Male	0	2	5	3	10	15	12	4	4	8	3	66
		Female	0	4	2	5	16	6	3	3	0	5	1	45
3	FOOD POISONING(A02,A05)	Male	0	0	0	1	0	2	1	1	0	0	0	5
		Female	0	1	0	0	2	0	2	0	0	0	0	5
4	SHIGELLOSIS(A03)	Male	0	0	0	2	2	2	4	1	0	0	0	11
		Female	0	1	0	0	0	0	0	0	0	0	0	1
5	AMOEBIASIS(A06)	Male	4	6	3	0	0	3	1	3	1	7	6	34
		Female	8	3	1	2	0	4	2	5	3	7	2	37
6	DIARRHOEA AND GASTROENTERITIS OF PRESUMED INFECTIOUS ORIGIN(A09)	Male	111	33	29	29	32	60	62	107	51	138	35	687
		Female	73	40	19	34	20	43	50	86	41	130	32	568
7	OTHER INTESTINAL INFECTIOUS DISEASES(A04,A07-A08)	Male	0	0	0	0	0	0	0	0	0	1	0	1
		Female	0	0	0	1	2	1	0	0	0	0	0	4
<b>2</b>	<b>TUBERCULOSIS(A15-A19)</b>	<b>Male</b>	<b>11</b>	<b>43</b>	<b>35</b>	<b>247</b>	<b>565</b>	<b>817</b>	<b>820</b>	<b>647</b>	<b>435</b>	<b>489</b>	<b>211</b>	<b>4320</b>
		<b>Female</b>	<b>8</b>	<b>26</b>	<b>48</b>	<b>240</b>	<b>257</b>	<b>369</b>	<b>396</b>	<b>299</b>	<b>196</b>	<b>173</b>	<b>57</b>	<b>2069</b>
		<b>Total</b>	<b>19</b>	<b>69</b>	<b>83</b>	<b>487</b>	<b>822</b>	<b>1186</b>	<b>1216</b>	<b>946</b>	<b>631</b>	<b>662</b>	<b>268</b>	<b>6389</b>
1	RESPIRATORY TUBERCULOSIS(A15-A16)	Male	0	12	10	155	407	640	681	577	384	429	163	3458
		Female	0	8	26	153	188	277	317	243	150	139	42	1543
2	TUBERCULOSIS OF NERVOUS SYSTEM(A17)	Male	10	26	17	58	95	90	81	32	18	26	29	482
		Female	7	13	13	48	35	47	43	33	25	11	8	283
3	TUBERCULOSIS OF OTHER ORGANS AND MILIARY TUBERCULOSIS(A18-A19)	Male	1	5	8	34	63	87	58	38	33	34	19	380
		Female	1	5	9	39	34	45	36	23	21	23	7	243

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3	OTHER BACTERIAL DISEASES(A20-A49)	Male	4	38	58	90	145	258	310	236	103	304	71	1617
		Female	2	40	49	117	175	129	155	166	88	230	52	1203
		Total	6	78	107	207	320	387	465	402	191	534	123	2820
1	PLAGUE(A20)	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	LEPROSY(A30)	Male	0	0	0	0	0	1	3	2	1	2	1	10
		Female	0	0	0	0	0	0	0	3	0	0	0	3
3	NEONATAL TETANUS(A33)	Male	1	0	0	0	0	0	0	0	0	0	0	1
		Female	2	0	0	0	0	0	0	0	0	0	0	2
4	OTHER TETANUS(A34-A35)	Male	0	3	1	7	0	4	10	6	2	9	3	45
		Female	0	2	1	3	0	0	2	4	1	8	0	21
5	DIPHTHERIA(A36)	Male	2	0	3	0	0	0	0	0	0	0	0	5
		Female	0	0	1	0	0	0	0	0	0	0	0	1
6	WHOOPING COUGH(A37)	Male	1	0	0	0	0	0	0	0	0	0	0	1
		Female	0	1	0	0	0	0	0	0	0	0	0	1
7	MENINGOCOCCAL INFECTION(A39)	Male	0	0	1	0	0	0	0	0	0	1	0	2
		Female	0	0	0	0	0	0	1	0	0	0	0	1
8	SEPTICAEMIA(A40-A41)	Male	0	32	46	74	126	235	268	208	92	278	62	1421
		Female	0	35	41	111	173	122	146	155	80	217	48	1128
9	ALL OTHER TYPES OF BACTERIAL DISEASES(A21-A28,A31-A32,A38,A42-A49)	Male	0	3	7	9	19	18	29	20	8	14	5	132
		Female	0	2	6	3	2	7	6	4	7	5	4	46
4	INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION (A50-A64)	Male	0	0	0	0	0	0	1	2	0	0	0	3
		Female	0	0	0	1	1	0	1	0	0	0	0	3
		Total	0	0	0	1	1	0	2	2	0	0	0	6
1	SYPHILIS(A50-A53)	Male	0	0	0	0	0	0	1	0	0	0	0	1
		Female	0	0	0	0	0	0	1	0	0	0	0	1
2	OTHER TYPES OF INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION (A54-A64)	Male	0	0	0	0	0	0	0	2	0	0	0	2
		Female	0	0	0	1	1	0	0	0	0	0	0	2

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
5	VIRAL DISEASES(A70-A74 & A80-B34)	Male	41	120	148	104	161	253	203	125	72	76	63	1366
		Female	40	99	138	83	116	129	100	59	30	43	31	868
		Total	81	219	286	187	277	382	303	184	102	119	94	2234
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	1	14	3	6	11	11	4	4	4	3	61
		Female	0	2	3	0	2	6	1	0	0	0	1	15
3	JAPANESE ENCEPHALITIS(A83.0)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	1	1
4	OTHER VIRAL ENCEPHALITIS(A83.1-A83.9,A84-A86)	Male	15	45	59	33	18	32	41	32	31	13	12	331
		Female	15	36	43	21	16	12	19	9	10	14	7	202
5	DENGUE FEVER(A90)	Male	0	10	16	19	6	3	1	7	1	1	1	65
		Female	0	13	18	9	3	2	2	5	1	2	0	55
6	OTHER ARTHOPOD-BORNE VIRAL FEVERS AND VIRAL HAEMORRHAGIC FEVERS (A91-A94, A96-A99)	Male	16	53	52	32	45	41	39	25	9	24	16	352
		Female	15	41	68	24	25	19	30	18	11	19	13	283
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	1	2	0	0	0	0	0	0	0	0	0	3
		Female	2	1	0	0	0	0	0	0	0	0	0	3
9	ACUTE HEPATITIS(B16)	Male	0	0	0	0	6	5	9	5	3	6	2	36
		Female	0	0	0	2	0	6	3	2	0	0	0	13
10	OTHER VIRAL HEPATITIS(B15, B17-B19)	Male	0	6	5	16	36	53	43	23	13	18	15	228
		Female	0	2	5	24	25	29	18	12	2	5	4	126
11	HUMAN IMMUNODEFICIENCY VIRUS[HIV]DISEASE (B20-B24)	Male	0	0	0	0	40	106	58	27	11	4	13	259
		Female	0	0	0	0	44	51	27	12	4	2	4	144
12	ALL OTHER TYPES OF VIRAL DISEASES (A70-A74,A81,A87-A89,A95, B00-B02,B04,B06-B09 & B25-B34)	Male	9	3	2	1	4	2	1	2	0	6	1	31
		Female	8	4	1	3	1	4	0	1	2	1	1	26

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	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	
<b>6</b>	<b>PROTOZOAL DISEASES (B50-B64)</b>	<b>Male</b>	<b>0</b>	<b>2</b>	<b>17</b>	<b>37</b>	<b>31</b>	<b>26</b>	<b>41</b>	<b>39</b>	<b>22</b>	<b>19</b>	<b>6</b>	<b>240</b>	
		<b>Female</b>	<b>0</b>	<b>7</b>	<b>12</b>	<b>19</b>	<b>21</b>	<b>19</b>	<b>15</b>	<b>15</b>	<b>14</b>	<b>13</b>	<b>0</b>	<b>135</b>	
		<b>Total</b>	<b>0</b>	<b>9</b>	<b>29</b>	<b>56</b>	<b>52</b>	<b>45</b>	<b>56</b>	<b>54</b>	<b>36</b>	<b>32</b>	<b>6</b>	<b>375</b>	
1	MALARIA(B50-B54)	Male	0	2	16	37	31	25	39	39	22	19	6	236	
		Female	0	7	12	19	20	18	15	14	14	13	0	132	
2	ALL OTHER TYPES OF PROTOZOAL DISEASES(B55-B64)	Male	0	0	1	0	0	1	2	0	0	0	0	4	
		Female	0	0	0	0	1	1	0	1	0	0	0	3	
<b>7</b>	<b>OTHER CERTAIN INFECTIOUS AND PARASITIC DISEASES &amp; LATE EFFECTS OF INFECTIOUS DISEASES (A65-A69 &amp; A75-A79,B35-B49,B65-B94 &amp; B99)</b>	<b>Male</b>	<b>0</b>	<b>5</b>	<b>8</b>	<b>20</b>	<b>13</b>	<b>26</b>	<b>29</b>	<b>49</b>	<b>6</b>	<b>4</b>	<b>17</b>	<b>177</b>	
		<b>Female</b>	<b>0</b>	<b>3</b>	<b>12</b>	<b>11</b>	<b>15</b>	<b>15</b>	<b>21</b>	<b>30</b>	<b>1</b>	<b>9</b>	<b>1</b>	<b>118</b>	
		<b>Total</b>	<b>0</b>	<b>8</b>	<b>20</b>	<b>31</b>	<b>28</b>	<b>41</b>	<b>50</b>	<b>79</b>	<b>7</b>	<b>13</b>	<b>18</b>	<b>295</b>	
1	FILARIASIS(B74)	Male	0	0	0	2	0	0	0	0	0	1	0	3	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
2	OTHER HELMINTHIASIS(B65-B73,B75,B77-B83)	Male	0	1	0	1	0	1	0	1	0	0	1	5	
		Female	0	0	0	1	0	0	2	0	0	1	0	4	
3	OTHER SPIROCHAETAL DISEASES AND RICKETTSIOSES(A65-A69 & A75-A79)	Male	0	3	0	1	2	1	2	2	0	0	1	12	
		Female	0	3	0	3	0	3	3	1	0	2	0	15	
4	ALL OTHER INFECTIOUS AND PARASITIC DISEASES & LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES (B35-B49,B65,B76,B85-B94 & B99)	Male	0	1	8	16	11	24	27	46	6	3	15	157	
		Female	0	0	12	7	15	12	16	29	1	6	1	99	
<b>II</b>	<b>NEOPLASMS (C00-D48)</b>	<b>Male</b>	<b>3</b>	<b>19</b>	<b>30</b>	<b>136</b>	<b>204</b>	<b>395</b>	<b>747</b>	<b>1174</b>	<b>613</b>	<b>1044</b>	<b>180</b>	<b>4545</b>	
		<b>Female</b>	<b>0</b>	<b>16</b>	<b>27</b>	<b>60</b>	<b>162</b>	<b>365</b>	<b>688</b>	<b>779</b>	<b>402</b>	<b>612</b>	<b>128</b>	<b>3239</b>	
		<b>Total</b>	<b>3</b>	<b>35</b>	<b>57</b>	<b>196</b>	<b>366</b>	<b>760</b>	<b>1435</b>	<b>1953</b>	<b>1015</b>	<b>1656</b>	<b>308</b>	<b>7784</b>	
<b>8</b>	<b>MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX (C00-C14)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>42</b>	<b>105</b>	<b>117</b>	<b>48</b>	<b>78</b>	<b>17</b>	<b>423</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>19</b>	<b>37</b>	<b>39</b>	<b>27</b>	<b>48</b>	<b>6</b>	<b>177</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>61</b>	<b>142</b>	<b>156</b>	<b>75</b>	<b>126</b>	<b>23</b>	<b>600</b>	
1	MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX (C00-C14)	Male	0	0	0	0	16	42	105	117	48	78	17	423	
		Female	0	0	0	0	1	19	37	39	27	48	6	177	
<b>9</b>	<b>MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS (C15-C26)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38</b>	<b>111</b>	<b>224</b>	<b>414</b>	<b>222</b>	<b>363</b>	<b>56</b>	<b>1428</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>49</b>	<b>142</b>	<b>174</b>	<b>105</b>	<b>166</b>	<b>31</b>	<b>693</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>64</b>	<b>160</b>	<b>366</b>	<b>588</b>	<b>327</b>	<b>529</b>	<b>87</b>	<b>2121</b>	



**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	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 NEOPLASM OF OESOPHAGUS (C15)	Male	0	0	0	0	4	12	42	86	43	73	13	273	
		Female	0	0	0	0	3	13	27	32	16	32	4	127	
2	MALIGNANT NEOPLASM OF STOMACH (C16)	Male	0	0	0	0	6	19	50	104	53	79	11	322	
		Female	0	0	0	0	6	8	39	43	27	30	8	161	
3	MALIGNANT NEOPLASMS OF SMALL INTESTINE INCLUDING DUODENUM (C17)	Male	0	0	0	0	0	0	2	11	0	1	0	14	
		Female	0	0	0	0	0	0	5	2	0	0	0	7	
4	MALIGNANT NEOPLASM OF COLON (C18)	Male	0	0	0	0	7	9	14	42	13	38	5	128	
		Female	0	0	0	0	4	4	12	18	5	34	6	83	
5	MALIGNANT NEOPLASMS OF RECTOSIGMOID JUNCTION,RECTUM,ANUS AND ANAL CANAL (C19-C21)	Male	0	0	0	0	9	19	22	21	27	28	5	131	
		Female	0	0	0	0	6	8	16	19	6	16	7	78	
6	MALIGNANT NEOPLASMS OF LIVER AND INTRAHEPATIC BILE DUCTS (C22)	Male	0	0	0	0	8	21	64	99	51	108	17	368	
		Female	0	0	0	0	2	3	25	34	33	24	3	124	
7	MALIGNANT NEOPLASM OF PANCREAS (C25)	Male	0	0	0	0	3	17	15	24	17	26	2	104	
		Female	0	0	0	0	3	11	11	16	8	15	0	64	
8	OTHER MALIGNANT NEOPLASM OF DIGESTIVE ORGANS (C23-C24,C26)	Male	0	0	0	0	1	14	15	27	18	10	3	88	
		Female	0	0	0	0	2	2	7	10	10	15	3	49	
<b>10</b>	<b>MALIGNANT NEOPLASMS OF RESPIRATORY &amp; INTRATHORACIC ORGANS (C30-C39)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>52</b>	<b>144</b>	<b>257</b>	<b>111</b>	<b>198</b>	<b>36</b>	<b>808</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>14</b>	<b>44</b>	<b>51</b>	<b>33</b>	<b>55</b>	<b>12</b>	<b>218</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>66</b>	<b>188</b>	<b>308</b>	<b>144</b>	<b>253</b>	<b>48</b>	<b>1026</b>	
1	MALIGNANT NEOPLASM OF LARYNX (C32)	Male	0	0	0	0	0	4	29	45	15	34	13	140	
		Female	0	0	0	0	1	1	4	2	3	9	4	24	
2	MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS AND LUNG (C33-C34)	Male	0	0	0	0	9	45	110	204	95	157	22	642	
		Female	0	0	0	0	8	13	37	45	28	46	7	184	
3	OTHER MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS (C30-C31,C37-C39)	Male	0	0	0	0	1	3	5	8	1	7	1	26	
		Female	0	0	0	0	0	0	3	4	2	0	1	10	

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>11</b>	<b>MALIGNANT NEOPLASMS OF BONE,MESOTHELIAL AND SOFT TISSUE, SKIN AND BREAST (C40-C50)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>14</b>	<b>25</b>	<b>36</b>	<b>55</b>	<b>30</b>	<b>34</b>	<b>2</b>	<b>198</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>33</b>	<b>96</b>	<b>154</b>	<b>176</b>	<b>87</b>	<b>92</b>	<b>21</b>	<b>661</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>47</b>	<b>121</b>	<b>190</b>	<b>231</b>	<b>117</b>	<b>126</b>	<b>23</b>	<b>859</b>
1	MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE (C40-C41)	Male	0	0	0	0	3	6	2	13	12	7	1	44
		Female	0	0	0	0	7	3	3	10	5	4	0	32
2	MALIGNANT MELANOMA OF SKIN (C43)	Male	0	0	0	0	0	0	1	0	0	2	0	3
		Female	0	0	0	0	0	0	0	0	1	0	0	1
3	OTHER MALIGNANT NEOPLASM OF SKIN (C44)	Male	0	0	0	0	5	10	22	35	14	17	0	103
		Female	0	0	0	0	5	12	15	17	12	5	0	66
4	MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE (C45-C49)	Male	0	0	0	2	6	9	11	7	4	8	1	48
		Female	0	0	0	2	3	3	11	7	9	8	1	44
5	MALIGNANT NEOPLASM OF BREAST (C50)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	18	78	125	142	60	75	20	518
<b>12</b>	<b>MALIGNANT NEOPLASMS OF GENITOURINARY ORGANS(C51-C68)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>32</b>	<b>52</b>	<b>53</b>	<b>164</b>	<b>17</b>	<b>332</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>74</b>	<b>144</b>	<b>155</b>	<b>73</b>	<b>133</b>	<b>33</b>	<b>633</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>88</b>	<b>176</b>	<b>207</b>	<b>126</b>	<b>297</b>	<b>50</b>	<b>965</b>
1	MALIGNANT NEOPLASM OF CERVIX UTERI (C53)	Male	0	0	0	0	0	1	2	0	1	0	0	4
		Female	0	0	0	0	4	40	81	69	37	62	19	312
2	MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED PARTS OF UTERUS (C54-C55)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	2	6	8	18	8	20	4	66
3	MALIGNANT NEOPLASM OF OVARY (C56)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	10	21	52	56	22	33	9	203
4	MALIGNANT NEOPLASMS OF PLACENTA (C58)	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	OTHER MALIGNANT NEOPLASM OF FEMALE GENITAL ORGANS (C51-C52,C57)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	5	5	1	5	0	7	1	24

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	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	MALIGNANT NEOPLASM OF PROSTATE (C61)	Male	0	0	0	0	0	1	11	24	29	84	10	159	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
7	OTHER MALIGNANT NEOPLASM OF MALE GENITAL ORGANS (C60-C62,C63)	Male	0	0	0	0	0	8	11	10	6	17	1	53	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
8	MALIGNANT NEOPLASM OF BLADDER (C67)	Male	0	0	0	0	0	3	2	11	7	30	3	56	
		Female	0	0	0	0	0	2	2	5	2	9	0	20	
9	OTHER MALIGNANT NEOPLASM OF URINARY TRACT (C64-C66,C68)	Male	0	0	0	0	0	1	6	7	10	33	3	60	
		Female	0	0	0	0	0	0	0	2	4	2	0	8	
<b>13</b>	<b>MALIGNANT NEOPLASMS OF EYE,BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM (C69-C72)</b>	<b>Male</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>10</b>	<b>10</b>	<b>16</b>	<b>33</b>	<b>26</b>	<b>28</b>	<b>17</b>	<b>4</b>	<b>151</b>	
		<b>Female</b>	<b>0</b>	<b>3</b>	<b>6</b>	<b>2</b>	<b>15</b>	<b>13</b>	<b>18</b>	<b>24</b>	<b>3</b>	<b>16</b>	<b>6</b>	<b>106</b>	
		<b>Total</b>	<b>0</b>	<b>6</b>	<b>10</b>	<b>12</b>	<b>25</b>	<b>29</b>	<b>51</b>	<b>50</b>	<b>31</b>	<b>33</b>	<b>10</b>	<b>257</b>	
1	MALIGNANT NEOPLASMS OF EYE & ADNEXA (C69)	Male	0	1	0	0	0	0	1	0	0	0	0	2	
		Female	0	1	0	0	0	0	0	2	0	0	0	3	
2	MALIGNANT NEOPLASMS OF MENINGES,BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM (C70-C72)	Male	0	2	4	10	10	16	32	26	28	17	4	149	
		Female	0	2	6	2	15	13	18	22	3	16	6	103	
<b>14</b>	<b>MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES (C73-C80 &amp; C97)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>15</b>	<b>60</b>	<b>68</b>	<b>148</b>	<b>46</b>	<b>101</b>	<b>27</b>	<b>482</b>	
		<b>Female</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>10</b>	<b>17</b>	<b>40</b>	<b>64</b>	<b>89</b>	<b>47</b>	<b>57</b>	<b>13</b>	<b>340</b>	
		<b>Total</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>27</b>	<b>32</b>	<b>100</b>	<b>132</b>	<b>237</b>	<b>93</b>	<b>158</b>	<b>40</b>	<b>822</b>	
1	MALIGNANT NEOPLASMS OF OTHER ILL-DEFINED, SECONDARY, UNSPECIFIED AND MULTIPLE SITES (C73-C80 & C97)	Male	0	0	0	17	15	60	68	148	46	101	27	482	
		Female	0	2	1	10	17	40	64	89	47	57	13	340	
<b>15</b>	<b>MALIGNANT NEOPLASMS OF LYMPHOID, HAEMATOPOIETIC AND RELATED TISSUE (C81-C96)</b>	<b>Male</b>	<b>3</b>	<b>16</b>	<b>26</b>	<b>107</b>	<b>98</b>	<b>71</b>	<b>98</b>	<b>99</b>	<b>69</b>	<b>72</b>	<b>21</b>	<b>680</b>	
		<b>Female</b>	<b>0</b>	<b>8</b>	<b>20</b>	<b>46</b>	<b>34</b>	<b>55</b>	<b>71</b>	<b>65</b>	<b>26</b>	<b>40</b>	<b>6</b>	<b>371</b>	
		<b>Total</b>	<b>3</b>	<b>24</b>	<b>46</b>	<b>153</b>	<b>132</b>	<b>126</b>	<b>169</b>	<b>164</b>	<b>95</b>	<b>112</b>	<b>27</b>	<b>1051</b>	
1	HODGKIN'S DISEASE(C81)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	1	0	0	0	0	0	1	
2	NON HODGKIN'S LYMPHOMA(C82-C85)	Male	0	0	1	30	33	27	35	40	26	25	9	226	
		Female	0	0	2	18	16	15	23	23	4	13	1	115	

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	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+	NS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3	MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS(C90)	Male	1	1	3	15	8	8	9	6	6	5	2	64
		Female	0	0	5	1	2	6	6	4	3	2	0	29
4	LEUKAEMIA(C91-C95)	Male	2	15	22	62	57	32	50	53	37	42	10	382
		Female	0	8	13	26	16	32	42	36	19	25	4	221
5	OTHER MALIGNANT NEOPLASMS OF LYMPHOID,HAEMATOPOIETIC AND RELATED TISSUE (C88 & C96)	Male	0	0	0	0	0	4	4	0	0	0	0	8
		Female	0	0	0	1	0	1	0	2	0	0	1	5
<b>16</b>	<b>CARCINOMA IN SITU(D00-D09)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1	CARCINOMA IN SITU(D00-D09)	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
<b>17</b>	<b>BENIGN NEOPLASMS(D10-D36)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>15</b>
		<b>Female</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>9</b>
		<b>Total</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>24</b>
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	0	0	0	0	0	0
2	ALL OTHER BENIGN NEOPLASMS(D10-D24,D26-D36)	Male	0	0	0	0	2	1	3	3	2	4	0	15
		Female	0	2	0	0	0	3	1	2	0	1	0	9
<b>18</b>	<b>OTHER AND UNSPECIFIED NEOPLASM(D37-D48)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>4</b>	<b>13</b>	<b>0</b>	<b>28</b>
		<b>Female</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>2</b>	<b>13</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>31</b>
		<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>5</b>	<b>17</b>	<b>7</b>	<b>5</b>	<b>17</b>	<b>0</b>	<b>59</b>
1	OTHER AND UNSPECIFIED NEOPLASM(D37-D48)	Male	0	0	0	0	1	3	4	3	4	13	0	28
		Female	0	1	0	0	6	2	13	4	1	4	0	31
<b>III</b>	<b>DISEASES OF THE BLOOD &amp; BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING IMMUNE MECHANISM (D50-D89)</b>	<b>Male</b>	<b>0</b>	<b>46</b>	<b>71</b>	<b>83</b>	<b>152</b>	<b>185</b>	<b>133</b>	<b>190</b>	<b>63</b>	<b>139</b>	<b>58</b>	<b>1120</b>
		<b>Female</b>	<b>0</b>	<b>26</b>	<b>56</b>	<b>112</b>	<b>129</b>	<b>119</b>	<b>109</b>	<b>103</b>	<b>50</b>	<b>142</b>	<b>47</b>	<b>893</b>
		<b>Total</b>	<b>0</b>	<b>72</b>	<b>127</b>	<b>195</b>	<b>281</b>	<b>304</b>	<b>242</b>	<b>293</b>	<b>113</b>	<b>281</b>	<b>105</b>	<b>2013</b>

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>19</b>	<b>DISEASES OF THE BLOOD &amp; BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVIN IMMUNE MECHANISM (D50-D89)</b>	<b>Male</b>	<b>0</b>	<b>46</b>	<b>71</b>	<b>83</b>	<b>152</b>	<b>185</b>	<b>133</b>	<b>190</b>	<b>63</b>	<b>139</b>	<b>58</b>	<b>1120</b>
		<b>Female</b>	<b>0</b>	<b>26</b>	<b>56</b>	<b>112</b>	<b>129</b>	<b>119</b>	<b>109</b>	<b>103</b>	<b>50</b>	<b>142</b>	<b>47</b>	<b>893</b>
		<b>Total</b>	<b>0</b>	<b>72</b>	<b>127</b>	<b>195</b>	<b>281</b>	<b>304</b>	<b>242</b>	<b>293</b>	<b>113</b>	<b>281</b>	<b>105</b>	<b>2013</b>
1	THALASSAEMIA(D56)	Male	0	3	5	0	0	0	0	0	0	0	1	9
		Female	0	2	1	0	0	0	0	0	0	0	0	3
2	OTHER ANAEMIAS(D50-D55,D57-D64)	Male	0	20	51	64	119	159	99	157	49	119	47	884
		Female	0	14	44	76	114	99	87	80	40	130	43	727
3	ALL OTHER DISEASES OF BLOOD & BLOOD FORMING ORGANS (D65-D77)	Male	0	22	15	18	28	20	30	33	13	20	8	207
		Female	0	10	10	30	12	17	18	23	10	12	4	146
4	CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D80-D89)	Male	0	1	0	1	5	6	4	0	1	0	2	20
		Female	0	0	1	6	3	3	4	0	0	0	0	17
<b>IV</b>	<b>ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)</b>	<b>Male</b>	<b>0</b>	<b>5</b>	<b>6</b>	<b>23</b>	<b>108</b>	<b>350</b>	<b>655</b>	<b>1035</b>	<b>723</b>	<b>1694</b>	<b>275</b>	<b>4874</b>
		<b>Female</b>	<b>0</b>	<b>8</b>	<b>8</b>	<b>31</b>	<b>63</b>	<b>192</b>	<b>367</b>	<b>648</b>	<b>493</b>	<b>1252</b>	<b>170</b>	<b>3232</b>
		<b>Total</b>	<b>0</b>	<b>13</b>	<b>14</b>	<b>54</b>	<b>171</b>	<b>542</b>	<b>1022</b>	<b>1683</b>	<b>1216</b>	<b>2946</b>	<b>445</b>	<b>8106</b>
<b>20</b>	<b>MALNUTRITION(E40-E46)</b>	<b>Male</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>11</b>	<b>9</b>	<b>1</b>	<b>12</b>	<b>2</b>	<b>46</b>
		<b>Female</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>0</b>	<b>3</b>	<b>7</b>	<b>3</b>	<b>11</b>	<b>2</b>	<b>45</b>
		<b>Total</b>	<b>0</b>	<b>7</b>	<b>7</b>	<b>6</b>	<b>8</b>	<b>2</b>	<b>14</b>	<b>16</b>	<b>4</b>	<b>23</b>	<b>4</b>	<b>91</b>
1	KWASHIORKOR(E40)	Male	0	1	2	0	0	2	2	3	1	3	2	16
		Female	0	1	1	2	4	0	1	5	3	3	2	22
2	NUTRITIONAL MARASMUS(E41)	Male	0	1	1	0	2	0	8	5	0	6	0	23
		Female	0	2	2	0	1	0	1	1	0	3	0	10
3	OTHER PROTEIN-ENERGY MALNUTRITION(E42-E46)	Male	0	1	0	1	0	0	1	1	0	3	0	7
		Female	0	1	1	3	1	0	1	1	0	5	0	13
<b>21</b>	<b>ENDOCRINE,OTHER NUTRITIONAL AND METABOLIC DISEASES (E00-E34 &amp; E50-E89)</b>	<b>Male</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>22</b>	<b>106</b>	<b>348</b>	<b>644</b>	<b>1026</b>	<b>722</b>	<b>1682</b>	<b>273</b>	<b>4828</b>
		<b>Female</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>26</b>	<b>57</b>	<b>192</b>	<b>364</b>	<b>641</b>	<b>490</b>	<b>1241</b>	<b>168</b>	<b>3187</b>
		<b>Total</b>	<b>0</b>	<b>6</b>	<b>7</b>	<b>48</b>	<b>163</b>	<b>540</b>	<b>1008</b>	<b>1667</b>	<b>1212</b>	<b>2923</b>	<b>441</b>	<b>8015</b>
1	DISORDERS OF THYROID GLAND(E00-E07)	Male	0	0	0	0	10	11	11	9	5	16	2	64
		Female	0	0	0	0	16	14	27	28	19	36	7	147

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	DIABETES MELLITUS(E10-E14)	Male	0	0	0	16	64	294	579	954	672	1566	239	4384
		Female	0	0	0	19	30	154	311	573	444	1113	150	2794
3	ALL OTHER NUTRITIONAL DEFICIENCIES(E50-E64)	Male	0	0	0	0	2	4	8	2	0	1	1	18
		Female	0	0	0	0	0	0	0	0	0	0	0	0
4	ALL OTHER ENDOCRINE AND METABOLIC DISEASES(E15-E34 & E65-E89)	Male	0	2	3	6	30	39	46	61	45	99	31	362
		Female	0	4	4	7	11	24	26	40	27	92	11	246
<b>V</b>	<b>MENTAL AND BEHAVIOURAL DISORDERS (F01-F99)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>9</b>	<b>29</b>	<b>34</b>	<b>9</b>	<b>3</b>	<b>6</b>	<b>6</b>	<b>101</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>10</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>24</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>12</b>	<b>34</b>	<b>35</b>	<b>19</b>	<b>6</b>	<b>6</b>	<b>7</b>	<b>125</b>
<b>22</b>	<b>MENTAL AND BEHAVIOURAL DISORDERS (F01-F99)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>9</b>	<b>29</b>	<b>34</b>	<b>9</b>	<b>3</b>	<b>6</b>	<b>6</b>	<b>101</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>10</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>24</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>12</b>	<b>34</b>	<b>35</b>	<b>19</b>	<b>6</b>	<b>6</b>	<b>7</b>	<b>125</b>
1	MENTAL AND BEHAVIOURAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE (F10-F19)	Male	0	0	0	2	4	24	23	8	1	2	4	68
		Female	0	0	0	0	2	4	0	4	1	0	0	11
2	SCHIZOPHRENIA, SCHIZOTYPAL & DELUSIONAL DISORDERS(F20-F29)	Male	0	0	0	2	4	3	7	0	2	3	1	22
		Female	0	0	0	1	1	1	1	4	1	0	1	10
3	ALL OTHER MENTAL BEHAVIOURAL DISORDERS(F01-F09,F30-F99)	Male	0	0	1	0	1	2	4	1	0	1	1	11
		Female	0	0	0	0	0	0	0	2	1	0	0	3
<b>VI</b>	<b>DISEASES OF THE NERVOUS SYSTEM(G00-G98)</b>	<b>Male</b>	<b>184</b>	<b>151</b>	<b>146</b>	<b>174</b>	<b>174</b>	<b>249</b>	<b>213</b>	<b>260</b>	<b>148</b>	<b>276</b>	<b>99</b>	<b>2074</b>
		<b>Female</b>	<b>120</b>	<b>102</b>	<b>115</b>	<b>146</b>	<b>79</b>	<b>122</b>	<b>107</b>	<b>111</b>	<b>84</b>	<b>168</b>	<b>41</b>	<b>1195</b>
		<b>Total</b>	<b>304</b>	<b>253</b>	<b>261</b>	<b>320</b>	<b>253</b>	<b>371</b>	<b>320</b>	<b>371</b>	<b>232</b>	<b>444</b>	<b>140</b>	<b>3269</b>
<b>23</b>	<b>INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYTEM(G00-G09)</b>	<b>Male</b>	<b>175</b>	<b>121</b>	<b>84</b>	<b>119</b>	<b>99</b>	<b>144</b>	<b>83</b>	<b>112</b>	<b>59</b>	<b>53</b>	<b>51</b>	<b>1100</b>
		<b>Female</b>	<b>104</b>	<b>85</b>	<b>77</b>	<b>103</b>	<b>52</b>	<b>67</b>	<b>44</b>	<b>68</b>	<b>51</b>	<b>42</b>	<b>15</b>	<b>708</b>
		<b>Total</b>	<b>279</b>	<b>206</b>	<b>161</b>	<b>222</b>	<b>151</b>	<b>211</b>	<b>127</b>	<b>180</b>	<b>110</b>	<b>95</b>	<b>66</b>	<b>1808</b>
1	MENINGITIS(G00 & G03)	Male	113	66	27	61	53	107	40	50	26	27	26	596
		Female	70	43	17	54	20	45	21	38	19	19	3	349
2	ENCEPHALITIS,MYELITIS AND ENCEPHALOMYELITIS(G04)	Male	62	55	55	45	28	29	30	49	31	23	24	431
		Female	33	42	56	31	15	13	15	28	30	16	4	283

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3	OTHER INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM(G06,G08-G09)	Male	0	0	2	13	18	8	13	13	2	3	1	73
		Female	1	0	4	18	17	9	8	2	2	7	8	76
<b>24</b>	<b>OTHER DISEASES OF THE NERVOUS SYSTEM(G10-G98)</b>	<b>Male</b>	<b>9</b>	<b>30</b>	<b>62</b>	<b>55</b>	<b>75</b>	<b>105</b>	<b>130</b>	<b>148</b>	<b>89</b>	<b>223</b>	<b>48</b>	<b>974</b>
		<b>Female</b>	<b>16</b>	<b>17</b>	<b>38</b>	<b>43</b>	<b>27</b>	<b>55</b>	<b>63</b>	<b>43</b>	<b>33</b>	<b>126</b>	<b>26</b>	<b>487</b>
		<b>Total</b>	<b>25</b>	<b>47</b>	<b>100</b>	<b>98</b>	<b>102</b>	<b>160</b>	<b>193</b>	<b>191</b>	<b>122</b>	<b>349</b>	<b>74</b>	<b>1461</b>
1	ALZHEIMER'S DISEASE(G30)	Male	0	0	0	0	0	0	0	0	0	13	0	13
		Female	0	0	0	0	0	0	0	0	0	11	0	11
2	EPILEPSY(G40-G41)	Male	0	10	26	16	23	28	23	26	13	10	10	185
		Female	0	6	20	21	7	15	2	4	5	8	7	95
3	ALL OTHER DISEASES OF THE NERVOUS SYSTEM(G10-G25,G31,G35-G37,G43-G98)	Male	9	20	36	39	52	77	107	122	76	200	38	776
		Female	16	11	18	22	20	40	61	39	28	107	19	381
<b>VII</b>	<b>DISEASES OF THE EYE AND ADNEXA(H00-H59)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>6</b>
<b>25</b>	<b>DISEASES OF THE EYE AND ADNEXA(H00-H59)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>6</b>
1	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0	0	0	0	0	0	1	2	0	0	1	4
		Female	0	0	0	0	1	0	0	1	0	0	0	2
<b>VII I</b>	<b>DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>26</b>	<b>DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>
1	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	0	0	0	0	0	2	0	0	2
		Female	0	0	0	0	0	0	0	0	1	0	0	1

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>IX</b>	<b>DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)</b>	<b>Male</b>	<b>0</b>	<b>35</b>	<b>61</b>	<b>153</b>	<b>813</b>	<b>2195</b>	<b>3848</b>	<b>5291</b>	<b>3722</b>	<b>7364</b>	<b>1199</b>	<b>24681</b>
		<b>Female</b>	<b>19</b>	<b>22</b>	<b>55</b>	<b>117</b>	<b>430</b>	<b>906</b>	<b>1472</b>	<b>2514</b>	<b>2140</b>	<b>5274</b>	<b>632</b>	<b>13581</b>
		<b>Total</b>	<b>19</b>	<b>57</b>	<b>116</b>	<b>270</b>	<b>1243</b>	<b>3101</b>	<b>5320</b>	<b>7805</b>	<b>5862</b>	<b>12638</b>	<b>1831</b>	<b>38262</b>
<b>27</b>	<b>ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASES (I00-I09)</b>	<b>Male</b>	<b>0</b>	<b>35</b>	<b>61</b>	<b>153</b>	<b>67</b>	<b>89</b>	<b>99</b>	<b>79</b>	<b>47</b>	<b>56</b>	<b>18</b>	<b>704</b>
		<b>Female</b>	<b>19</b>	<b>22</b>	<b>55</b>	<b>117</b>	<b>103</b>	<b>98</b>	<b>123</b>	<b>70</b>	<b>63</b>	<b>63</b>	<b>27</b>	<b>760</b>
		<b>Total</b>	<b>19</b>	<b>57</b>	<b>116</b>	<b>270</b>	<b>170</b>	<b>187</b>	<b>222</b>	<b>149</b>	<b>110</b>	<b>119</b>	<b>45</b>	<b>1464</b>
1	ACUTE RHEUMATIC FEVER(I00-I02)	Male	0	15	20	20	2	3	4	5	2	7	2	80
		Female	7	7	11	12	2	2	4	1	2	6	3	57
2	CHRONIC RHEUMATIC HEART DISEASES(I05-I09)	Male	0	20	41	133	65	86	95	74	45	49	16	624
		Female	12	15	44	105	101	96	119	69	61	57	24	703
<b>28</b>	<b>HYPERTENSIVE DISEASES(I10-I115)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>130</b>	<b>354</b>	<b>574</b>	<b>386</b>	<b>949</b>	<b>148</b>	<b>2584</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>59</b>	<b>164</b>	<b>285</b>	<b>273</b>	<b>790</b>	<b>89</b>	<b>1674</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>57</b>	<b>189</b>	<b>518</b>	<b>859</b>	<b>659</b>	<b>1739</b>	<b>237</b>	<b>4258</b>
1	HYPERTENSIVE HEART DISEASES(I11)	Male	0	0	0	0	6	23	30	69	59	51	11	249
		Female	0	0	0	0	0	12	16	28	48	31	5	140
2	ALL OTHER HYPERTENSIVE DISEASES(I10,I12-I15)	Male	0	0	0	0	37	107	324	505	327	898	137	2335
		Female	0	0	0	0	14	47	148	257	225	759	84	1534
<b>29</b>	<b>ISCHAEMIC HEART DISEASES(I20-I25)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>247</b>	<b>852</b>	<b>1673</b>	<b>2307</b>	<b>1620</b>	<b>3429</b>	<b>570</b>	<b>10698</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>84</b>	<b>308</b>	<b>483</b>	<b>1111</b>	<b>859</b>	<b>2388</b>	<b>276</b>	<b>5509</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>331</b>	<b>1160</b>	<b>2156</b>	<b>3418</b>	<b>2479</b>	<b>5817</b>	<b>846</b>	<b>16207</b>
1	ACUTE MYOCARDIAL INFARCTION(I21-I22)	Male	0	0	0	0	189	550	969	1212	861	1927	388	6096
		Female	0	0	0	0	65	174	219	519	471	1398	184	3030
2	ALL OTHER ISCHAEMIC HEART DISEASES(I20& I23-I25)	Male	0	0	0	0	58	302	704	1095	759	1502	182	4602
		Female	0	0	0	0	19	134	264	592	388	990	92	2479
<b>30</b>	<b>DISEASES OF PULMONARY CIRCULATION AND OTHER FORMS OF HEART DISEASE(I26-I51)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>227</b>	<b>449</b>	<b>728</b>	<b>951</b>	<b>695</b>	<b>1306</b>	<b>196</b>	<b>4552</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>115</b>	<b>223</b>	<b>313</b>	<b>424</b>	<b>453</b>	<b>996</b>	<b>118</b>	<b>2642</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>342</b>	<b>672</b>	<b>1041</b>	<b>1375</b>	<b>1148</b>	<b>2302</b>	<b>314</b>	<b>7194</b>
1	PULMONARY HEART DISEASES AND DISEASES OF PULMONARY CIRCULATION(I26-I28)	Male	0	0	0	0	54	119	223	282	230	429	52	1389
		Female	0	0	0	0	35	71	121	133	149	296	24	829



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KARNATAKA															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	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 FORMS OF HEART DISEASES(I30-I51)	Male	0	0	0	0	173	330	505	669	465	877	144	3163	
		Female	0	0	0	0	80	152	192	291	304	700	94	1813	
<b>31</b>	<b>CEREBROVASCULAR DISEASES(I60-I69)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>207</b>	<b>577</b>	<b>880</b>	<b>1230</b>	<b>891</b>	<b>1515</b>	<b>238</b>	<b>5538</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>101</b>	<b>199</b>	<b>355</b>	<b>574</b>	<b>447</b>	<b>955</b>	<b>103</b>	<b>2734</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>308</b>	<b>776</b>	<b>1235</b>	<b>1804</b>	<b>1338</b>	<b>2470</b>	<b>341</b>	<b>8272</b>	
1	CEREBROVASCULAR DISEASES(I60-I69)	Male	0	0	0	0	207	577	880	1230	891	1515	238	5538	
		Female	0	0	0	0	101	199	355	574	447	955	103	2734	
<b>32</b>	<b>OTHER DISEASES OF THE CIRCULATORY SYSTEM(I70-I99)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>98</b>	<b>114</b>	<b>150</b>	<b>83</b>	<b>109</b>	<b>29</b>	<b>605</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>19</b>	<b>34</b>	<b>50</b>	<b>45</b>	<b>82</b>	<b>19</b>	<b>262</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>117</b>	<b>148</b>	<b>200</b>	<b>128</b>	<b>191</b>	<b>48</b>	<b>867</b>	
1	ATHEROSCLEROSIS(I70)	Male	0	0	0	0	3	8	14	20	10	21	3	79	
		Female	0	0	0	0	3	3	6	7	5	13	4	41	
2	ARTERIAL EMBOLISM AND THROMBOSIS(I74)	Male	0	0	0	0	1	5	4	1	2	6	1	20	
		Female	0	0	0	0	2	0	3	4	3	3	0	15	
3	OTHER DISEASES OF ARTERIES, ARTERIOLES & CAPILLARIES(I71-I73 & I77-I78)	Male	0	0	0	0	3	6	13	38	19	38	8	125	
		Female	0	0	0	0	1	3	4	16	10	22	4	60	
4	PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS(I80-I82)	Male	0	0	0	0	12	48	51	49	23	29	10	222	
		Female	0	0	0	0	5	8	11	9	10	18	4	65	
5	ALL OTHER DISEASES OF THE CIRCULATORY SYSTEM(I83-I99)	Male	0	0	0	0	3	31	32	42	29	15	7	159	
		Female	0	0	0	0	2	5	10	14	17	26	7	81	
<b>X</b>	<b>DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)</b>	<b>Male</b>	<b>11</b>	<b>65</b>	<b>74</b>	<b>123</b>	<b>285</b>	<b>732</b>	<b>1019</b>	<b>1270</b>	<b>851</b>	<b>1896</b>	<b>352</b>	<b>6678</b>	
		<b>Female</b>	<b>5</b>	<b>62</b>	<b>63</b>	<b>143</b>	<b>191</b>	<b>380</b>	<b>404</b>	<b>514</b>	<b>409</b>	<b>1061</b>	<b>148</b>	<b>3380</b>	
		<b>Total</b>	<b>16</b>	<b>127</b>	<b>137</b>	<b>266</b>	<b>476</b>	<b>1112</b>	<b>1423</b>	<b>1784</b>	<b>1260</b>	<b>2957</b>	<b>500</b>	<b>10058</b>	
<b>33</b>	<b>DISEASES OF THE UPPER RESPIRATORY TRACT(J00-J06 &amp; J30-J39)</b>	<b>Male</b>	<b>8</b>	<b>10</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>11</b>	<b>12</b>	<b>0</b>	<b>65</b>	
		<b>Female</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>6</b>	<b>0</b>	<b>26</b>	
		<b>Total</b>	<b>12</b>	<b>14</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>7</b>	<b>7</b>	<b>11</b>	<b>12</b>	<b>18</b>	<b>0</b>	<b>91</b>	
1	ACUTE PHARYNGITIS AND ACUTE TONSILLITIS(J02-J03)	Male	6	7	2	0	0	1	1	1	0	0	0	18	
		Female	4	3	2	0	0	0	0	0	0	1	0	10	

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	ACUTE LARYNGITIS AND TRACHEITIS(J04)	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
3	OTHER ACUTE UPPER RESPIRATORY INFECTIONS(J00-J01 & J05-J06)	Male	2	0	0	0	0	0	0	0	0	0	0	2
		Female	0	0	0	1	0	0	0	0	0	0	0	1
4	ALL OTHER DISEASES OF UPPER RESPIRATORY TRACT(J30-J39)	Male	0	1	0	2	2	4	5	6	11	12	0	43
		Female	0	1	0	0	1	2	1	4	1	5	0	15
<b>34</b>	<b>LOWER RESPIRATORY DISEASES(J20-J22 &amp; J40-J47)</b>	<b>Male</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>240</b>	<b>390</b>	<b>676</b>	<b>529</b>	<b>1140</b>	<b>195</b>	<b>3209</b>
		<b>Female</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>117</b>	<b>171</b>	<b>241</b>	<b>216</b>	<b>617</b>	<b>78</b>	<b>1469</b>
		<b>Total</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>64</b>	<b>357</b>	<b>561</b>	<b>917</b>	<b>745</b>	<b>1757</b>	<b>273</b>	<b>4678</b>
1	ACUTE BRONCHITIS AND ACUTE BRONCHIOLITIS(J20-J21)	Male	0	0	0	0	0	0	0	2	2	2	0	6
		Female	0	0	0	0	0	0	0	1	0	2	0	3
2	BRONCHITIS, CHRONIC AND UNSPECIFIED EMPHYSEMA(J40-J43)	Male	0	0	0	0	1	12	8	26	20	67	13	147
		Female	0	0	0	0	3	2	4	10	8	44	2	73
3	ASTHMA(J45-J46)	Male	0	0	0	0	6	53	95	116	109	228	37	644
		Female	0	0	0	0	6	22	46	73	73	190	31	441
4	OTHER LOWER RESPIRATORY DISORDERS(J22,J44 & J47)	Male	1	2	0	0	29	175	287	532	398	843	145	2412
		Female	1	0	0	0	19	93	121	157	135	381	45	952
<b>35</b>	<b>OTHER DISEASES OF THE RESPIRATORY SYSTEM(J10-J18,J60-J98)</b>	<b>Male</b>	<b>2</b>	<b>53</b>	<b>72</b>	<b>121</b>	<b>247</b>	<b>487</b>	<b>623</b>	<b>587</b>	<b>311</b>	<b>744</b>	<b>157</b>	<b>3404</b>
		<b>Female</b>	<b>0</b>	<b>58</b>	<b>61</b>	<b>142</b>	<b>162</b>	<b>261</b>	<b>232</b>	<b>269</b>	<b>192</b>	<b>438</b>	<b>70</b>	<b>1885</b>
		<b>Total</b>	<b>2</b>	<b>111</b>	<b>133</b>	<b>263</b>	<b>409</b>	<b>748</b>	<b>855</b>	<b>856</b>	<b>503</b>	<b>1182</b>	<b>227</b>	<b>5289</b>
1	INFLUENZA(J10-J11)	Male	0	1	0	0	2	5	4	1	2	0	1	16
		Female	0	0	2	1	2	2	4	2	0	2	0	15
2	PNEUMONIA(J12-J18)	Male	0	37	48	53	106	175	257	279	157	414	78	1604
		Female	0	39	35	69	66	135	103	129	83	204	34	897
3	PLEURISY(J90)	Male	0	0	2	9	17	31	30	26	15	39	9	178
		Female	0	0	1	2	4	16	11	19	13	22	4	92

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	ALL OTHER DISEASES OF THE RESPIRATORY SYSTEM(J60-J86,J92-J98)	Male	2	15	22	59	122	276	332	281	137	291	69	1606
		Female	0	19	23	70	90	108	114	119	96	210	32	881
<b>XI</b>	<b>DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)</b>	<b>Male</b>	<b>0</b>	<b>11</b>	<b>25</b>	<b>155</b>	<b>640</b>	<b>1359</b>	<b>1638</b>	<b>1359</b>	<b>533</b>	<b>642</b>	<b>338</b>	<b>6700</b>
		<b>Female</b>	<b>0</b>	<b>3</b>	<b>17</b>	<b>113</b>	<b>138</b>	<b>218</b>	<b>285</b>	<b>299</b>	<b>127</b>	<b>251</b>	<b>72</b>	<b>1523</b>
		<b>Total</b>	<b>0</b>	<b>14</b>	<b>42</b>	<b>268</b>	<b>778</b>	<b>1577</b>	<b>1923</b>	<b>1658</b>	<b>660</b>	<b>893</b>	<b>410</b>	<b>8223</b>
<b>36</b>	<b>DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS(K00-K14)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>20</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>11</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>28</b>
1	DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS(K00-K14)	Male	0	0	0	0	4	2	4	3	3	4	0	20
		Female	0	0	0	0	0	1	7	0	0	0	0	8
<b>37</b>	<b>DISEASES OF THE OTHER PARTS OF DIGESTIVE SYSTEM(K20-K92)</b>	<b>Male</b>	<b>0</b>	<b>11</b>	<b>25</b>	<b>155</b>	<b>636</b>	<b>1357</b>	<b>1634</b>	<b>1356</b>	<b>530</b>	<b>638</b>	<b>338</b>	<b>6680</b>
		<b>Female</b>	<b>0</b>	<b>3</b>	<b>17</b>	<b>113</b>	<b>138</b>	<b>217</b>	<b>278</b>	<b>299</b>	<b>127</b>	<b>251</b>	<b>72</b>	<b>1515</b>
		<b>Total</b>	<b>0</b>	<b>14</b>	<b>42</b>	<b>268</b>	<b>774</b>	<b>1574</b>	<b>1912</b>	<b>1655</b>	<b>657</b>	<b>889</b>	<b>410</b>	<b>8195</b>
1	GASTRIC AND DUODENAL ULCER(K25-K27)	Male	0	0	0	0	6	8	6	15	10	13	6	64
		Female	0	0	0	1	2	5	4	1	2	8	2	25
2	GASTRITIS AND DUODENITIS (K29)	Male	0	0	0	0	0	1	1	1	0	3	1	7
		Female	0	0	0	0	0	1	0	0	0	0	0	1
3	DISEASES OF APPENDIX(K35-K38)	Male	0	0	0	5	15	24	40	55	38	30	6	213
		Female	0	0	1	1	5	8	10	12	1	11	2	51
4	HERNIA(K40-K46)	Male	0	0	0	2	0	5	5	2	1	20	4	39
		Female	0	0	0	0	0	1	1	4	2	6	3	17
5	PARALYTIC ILEUS AND INTESTINAL OBSTRUCTION WITHOUT HERNIA(K56)	Male	0	0	0	3	5	11	17	17	9	28	9	99
		Female	0	0	0	2	7	8	6	15	3	22	1	64
6	PERITONITIS(K65)	Male	0	0	2	10	33	68	83	76	38	53	22	385
		Female	0	0	0	14	17	22	21	30	14	20	7	145
7	DISEASES OF THE LIVER(K70-K76)	Male	0	11	22	117	462	1037	1285	926	315	340	251	4766
		Female	0	3	15	71	73	136	181	146	76	105	44	850

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
8	CHOLELITHIASIS AND CHOLECYSTITIS(K80-K81)	Male	0	0	0	1	3	1	9	6	3	12	2	37
		Female	0	0	0	0	7	1	5	8	6	11	1	39
9	DISORDERS OF THE PANCREAS(K85-K86)	Male	0	0	0	5	57	94	69	39	31	20	9	324
		Female	0	0	0	7	10	7	14	2	5	8	4	57
10	ALL OTHER DISEASES OF THE OTHER PARTS OF DIGESTIVE SYSTEM(K20-K22,K28,K30-K35,K50-K55,K57-K63,K66,K82-K83 & K90-K92)	Male	0	0	1	12	55	108	119	219	85	119	28	746
		Female	0	0	1	17	17	28	36	81	18	60	8	266
<b>XII</b>	<b>DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>48</b>	<b>89</b>	<b>105</b>	<b>56</b>	<b>133</b>	<b>18</b>	<b>476</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>18</b>	<b>32</b>	<b>52</b>	<b>30</b>	<b>65</b>	<b>10</b>	<b>230</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>66</b>	<b>121</b>	<b>157</b>	<b>86</b>	<b>198</b>	<b>28</b>	<b>706</b>
<b>38</b>	<b>DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>48</b>	<b>89</b>	<b>105</b>	<b>56</b>	<b>133</b>	<b>18</b>	<b>476</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>18</b>	<b>32</b>	<b>52</b>	<b>30</b>	<b>65</b>	<b>10</b>	<b>230</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>66</b>	<b>121</b>	<b>157</b>	<b>86</b>	<b>198</b>	<b>28</b>	<b>706</b>
1	INFECTIONS OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0	0	0	0	19	35	71	94	49	124	17	409
		Female	0	0	0	0	7	9	21	39	28	52	6	162
2	ALL OTHER DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L10-L98)	Male	0	0	0	0	8	13	18	11	7	9	1	67
		Female	0	0	0	0	16	9	11	13	2	13	4	68
<b>XIII</b>	<b>DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>7</b>	<b>13</b>	<b>14</b>	<b>22</b>	<b>16</b>	<b>34</b>	<b>9</b>	<b>124</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>11</b>	<b>18</b>	<b>19</b>	<b>14</b>	<b>16</b>	<b>7</b>	<b>92</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>13</b>	<b>24</b>	<b>32</b>	<b>41</b>	<b>30</b>	<b>50</b>	<b>16</b>	<b>216</b>
<b>39</b>	<b>DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>7</b>	<b>13</b>	<b>14</b>	<b>22</b>	<b>16</b>	<b>34</b>	<b>9</b>	<b>124</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>11</b>	<b>18</b>	<b>19</b>	<b>14</b>	<b>16</b>	<b>7</b>	<b>92</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>13</b>	<b>24</b>	<b>32</b>	<b>41</b>	<b>30</b>	<b>50</b>	<b>16</b>	<b>216</b>
1	RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHRITIS (M05-M13)	Male	0	0	0	1	1	2	4	7	4	11	2	32
		Female	0	0	0	0	1	7	7	11	7	12	4	49
2	OSTEOMYELITIS(M86)	Male	0	0	0	0	0	0	0	1	0	1	0	2
		Female	0	0	0	0	0	0	0	0	1	0	0	1
3	ALL OTHER DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (M00-M02,M15-M43,M45-M85,M87-M99)	Male	0	0	0	8	6	11	10	14	12	22	7	90
		Female	0	0	0	1	5	4	11	8	6	4	3	42

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>XIV</b>	<b>DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)</b>	<b>Male</b>	0	4	7	15	145	274	443	590	438	687	119	2722
		<b>Female</b>	0	4	8	15	96	132	239	318	201	390	54	1457
		<b>Total</b>	0	8	15	30	241	406	682	908	639	1077	173	4179
<b>40</b>	<b>DISEASES OF URINARY SYSTEM(N00-N39)</b>	<b>Male</b>	0	4	7	15	142	270	437	566	428	664	116	2649
		<b>Female</b>	0	4	8	13	93	131	228	315	199	385	54	1430
		<b>Total</b>	0	8	15	28	235	401	665	881	627	1049	170	4079
1	GLOMERULAR DISEASES(INCLUDING NEPHRITIC SYNDROME)(N00-N07)	Male	0	4	6	5	10	12	10	3	0	2	0	52
		Female	0	3	5	3	6	4	7	3	1	5	0	37
2	RENAL TUBULO-INTERSTITIAL DISEASES(N10-N15)	Male	0	0	1	3	2	3	9	10	10	15	5	58
		Female	0	1	1	5	3	12	12	10	8	11	3	66
3	RENAL FAILURE(N17-N19)	Male	0	0	0	0	95	215	340	425	321	452	82	1930
		Female	0	0	0	0	63	99	164	213	153	235	36	963
4	UROLITHIASIS(N20-N23)	Male	0	0	0	0	0	0	3	1	3	2	0	9
		Female	0	0	0	0	0	1	0	0	0	0	1	2
5	OTHER DISORDERS OF KIDNEY AND URETER(N25-N28)	Male	0	0	0	5	23	23	52	72	58	63	15	311
		Female	0	0	2	2	15	7	24	41	22	56	4	173
6	ALL OTHER DISEASES OF URINARY SYSTEM(N30-N39)	Male	0	0	0	2	12	17	23	55	36	130	14	289
		Female	0	0	0	3	6	8	21	48	15	78	10	189
<b>41</b>	<b>OTHER DISEASES OF THE GENITOURINARY SYSTEM(N40-N99)</b>	<b>Male</b>	0	0	0	0	3	4	6	24	10	23	3	73
		<b>Female</b>	0	0	0	2	3	1	11	3	2	5	0	27
		<b>Total</b>	0	0	0	2	6	5	17	27	12	28	3	100
1	HYPERPLASIA OF PROSTATE(N40)	Male	0	0	0	0	0	0	1	1	1	11	0	14
		Female	0	0	0	0	0	0	0	0	0	0	0	0
2	ALL OTHER DISEASES OF MALE GENITAL ORGANS(N41-N50)	Male	0	0	0	0	3	4	5	23	9	12	3	59
		Female	0	0	0	0	0	0	0	0	0	0	0	0
3	SALPINGITIS AND OOPHORITIS(N70)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	2	0	1	0	0	3

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	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+	NS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	ALL OTHER DISEASES OF FEMALE GENITAL ORGANS(N60-N64,N71-N76,N80-N99)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	2	3	1	9	3	1	5	0	24
<b>XV</b>	<b>PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)</b>	<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>282</b>	<b>246</b>	<b>113</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>642</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>282</b>	<b>246</b>	<b>113</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>642</b>
<b>42</b>	<b>PREGNANCY WITH ABORTIVE OUTCOME (O00-O08)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>12</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>12</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32</b>
1	SPONTANEOUS ABORTION (O03)	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	MEDICAL ABORTION(O04)	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	OTHER PREGNANCIES WITH ABORTIVE OUTCOME(O00-O02 & O05-O08)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	16	12	4	0	0	0	0	0	32
<b>43</b>	<b>OTHER DIRECT OBSTETRIC DEATHS (O10-O92)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>264</b>	<b>230</b>	<b>105</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>599</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>264</b>	<b>230</b>	<b>105</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>599</b>
1	OEDEMA,PROTEINURIA AND HYPERTENSIVE DISORDERS IN PREGNANCY,CHILD BIRTH AND PUERPERIUM (O10-O16)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	61	46	18	0	0	0	0	0	125
2	INFECTIONS OF GENITOURINARY TRACT IN PREGNANCY(O23)	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	OBSTRUCTED LABOUR(O64-O66)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	1	0	1	0	0	0	0	0	2
4	COMPLICATIONS PRE-DOMINANTLY RELATED TO THE PUERPERIUM(O85-O92)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	104	80	36	0	0	0	0	0	220
5	OTHER COMPLICATIONS OF PREGNANCY AND DELIVERY(O20-O22,O24-O63,O67-O75, O80-O84)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	98	104	50	0	0	0	0	0	252

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
44	OTHER OBSTETRIC CONDITIONS,NOT ELSEWHERE CLASSIFIED(O95-O99)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	2	4	4	0	0	0	0	0	1
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
1	INDIRECT OBSTETRIC DEATHS(O98-O99)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	2	3	3	0	0	0	0	0	1
2	ALL OTHER OBSTETRIC CONDITIONS,NOT ELSEWHERE CLASSIFIED (O95-O97)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	1	1	0	0	0	0	0	0
XVI	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	Male	6932	0	0	0	0	0	0	0	0	0	0	6932
		Female	4678	0	0	0	0	0	0	0	0	0	0	4678
		<b>Total</b>	<b>11610</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11610</b>
45	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (P00-P96)	Male	6932	0	0	0	0	0	0	0	0	0	0	6932
		Female	4678	0	0	0	0	0	0	0	0	0	0	4678
		<b>Total</b>	<b>11610</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11610</b>
1	SLOW FETAL GROWTH,FETAL MALNUTRITION AND IMMATURITY (P05-P07)	Male	2902	0	0	0	0	0	0	0	0	0	0	2902
		Female	2021	0	0	0	0	0	0	0	0	0	0	2021
2	BIRTH TRAUMA(P10-P15)	Male	2	0	0	0	0	0	0	0	0	0	0	2
		Female	3	0	0	0	0	0	0	0	0	0	0	3
3	HYPOXIA,BIRTH ASPHYXIA AND OTHER RESPIRATORY CONDITIONS(P20-P28)	Male	2671	0	0	0	0	0	0	0	0	0	0	2671
		Female	1736	0	0	0	0	0	0	0	0	0	0	1736
4	HAEMOLYTIC DISEASE OF FETUS AND NEW-BORN (P55)	Male	5	0	0	0	0	0	0	0	0	0	0	5
		Female	1	0	0	0	0	0	0	0	0	0	0	1
5	OTHER PERINATAL JAUNDICE(P58-P59)	Male	38	0	0	0	0	0	0	0	0	0	0	38
		Female	16	0	0	0	0	0	0	0	0	0	0	16
6	ALL OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P04,P08,P29-P5 P56-P57,P60-P96)	Male	1314	0	0	0	0	0	0	0	0	0	0	1314
		Female	901	0	0	0	0	0	0	0	0	0	0	901

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>XVII</b>	<b>CONGENITAL MALFORMATIONS,DEFORMATIONS &amp; CHROMOSOMAL ABNORMALITIES (Q00-Q99)</b>	<b>Male</b>	<b>647</b>	<b>142</b>	<b>118</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>954</b>
		<b>Female</b>	<b>458</b>	<b>116</b>	<b>72</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>665</b>
		<b>Total</b>	<b>1105</b>	<b>258</b>	<b>190</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>1619</b>
<b>46</b>	<b>CONGENITAL MALFORMATIONS,DEFORMATIONS &amp; CHROMOSOMAL ABNORMALITIES (Q00-Q99)</b>	<b>Male</b>	<b>647</b>	<b>142</b>	<b>118</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>954</b>
		<b>Female</b>	<b>458</b>	<b>116</b>	<b>72</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>665</b>
		<b>Total</b>	<b>1105</b>	<b>258</b>	<b>190</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>1619</b>
1	SPINA BIFIDA(Q05)	Male	13	1	0	0	0	0	0	0	0	0	2	16
		Female	12	1	1	0	0	0	0	0	0	0	0	14
2	CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM(Q20-Q28)	Male	383	61	51	13	0	0	0	0	0	0	13	521
		Female	292	68	31	9	0	0	0	0	0	0	0	400
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	251	80	67	14	0	0	0	0	0	0	5	417
		Female	154	47	40	3	0	0	0	0	0	0	7	251
<b>XVIII</b>	<b>SYMPTOMS,SIGNS AND ABNORMAL CLINICAL &amp; LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED (R00-R99)</b>	<b>FMale</b>	<b>0</b>	<b>3</b>	<b>11</b>	<b>26</b>	<b>35</b>	<b>71</b>	<b>92</b>	<b>96</b>	<b>85</b>	<b>311</b>	<b>63</b>	<b>793</b>
		<b>Female</b>	<b>0</b>	<b>3</b>	<b>7</b>	<b>24</b>	<b>21</b>	<b>29</b>	<b>25</b>	<b>45</b>	<b>38</b>	<b>216</b>	<b>39</b>	<b>447</b>
		<b>Total</b>	<b>0</b>	<b>6</b>	<b>18</b>	<b>50</b>	<b>56</b>	<b>100</b>	<b>117</b>	<b>141</b>	<b>123</b>	<b>527</b>	<b>102</b>	<b>1240</b>
<b>47</b>	<b>SYMPTOMS,SIGNS AND ABNORMAL CLINICAL &amp; LABORATORY FINDINGS NOT ELSEWHERE CLASSIFIED (R00-R99)</b>	<b>Male</b>	<b>0</b>	<b>3</b>	<b>11</b>	<b>26</b>	<b>35</b>	<b>71</b>	<b>92</b>	<b>96</b>	<b>85</b>	<b>311</b>	<b>63</b>	<b>793</b>
		<b>Female</b>	<b>0</b>	<b>3</b>	<b>7</b>	<b>24</b>	<b>21</b>	<b>29</b>	<b>25</b>	<b>45</b>	<b>38</b>	<b>216</b>	<b>39</b>	<b>447</b>
		<b>Total</b>	<b>0</b>	<b>6</b>	<b>18</b>	<b>50</b>	<b>56</b>	<b>100</b>	<b>117</b>	<b>141</b>	<b>123</b>	<b>527</b>	<b>102</b>	<b>1240</b>
1	ABDOMINAL AND PELVIC PAIN(R10)	Male	0	0	0	3	1	2	1	6	2	3	2	20
		Female	0	0	0	1	1	2	1	1	2	3	4	15
2	ASCITES(R18)	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	SOMNOLENCE, STUPOR AND COMA(R40)	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	FEVER OF UNKNOWN ORIGIN(R50)	Male	0	1	1	2	4	2	5	3	0	6	2	26
		Female	0	0	1	2	1	2	4	6	0	3	3	22



**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
5	SENILITY(R54)	Male	0	0	0	0	0	0	0	1	10	96	10	117
		Female	0	0	0	0	0	0	0	0	4	70	4	78
6	SYNCOPE AND COLLAPSE(R55)	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	CONVULSIONS, NOT ELSEWHERE CLASSIFIED(R56)	Male	0	1	2	1	6	4	6	6	1	5	4	36
		Female	0	3	2	4	2	0	2	2	0	4	1	20
8	SHOCK, NOT ELSEWHERE CLASSIFIED(R57)	Male	0	0	0	5	5	5	13	10	13	11	2	64
		Female	0	0	0	3	4	6	2	5	6	18	2	46
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	1	8	15	19	58	67	70	59	190	43	530
		Female	0	0	4	14	13	19	16	31	26	118	25	266
<b>XIX</b>	<b>INJURY,POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES (S00-T98)</b>	<b>Male</b>	<b>14</b>	<b>79</b>	<b>242</b>	<b>1356</b>	<b>1847</b>	<b>1570</b>	<b>1292</b>	<b>860</b>	<b>269</b>	<b>421</b>	<b>461</b>	<b>8411</b>
		<b>Female</b>	<b>25</b>	<b>62</b>	<b>190</b>	<b>1359</b>	<b>1344</b>	<b>842</b>	<b>481</b>	<b>242</b>	<b>121</b>	<b>244</b>	<b>213</b>	<b>5123</b>
		<b>Total</b>	<b>39</b>	<b>141</b>	<b>432</b>	<b>2715</b>	<b>3191</b>	<b>2412</b>	<b>1773</b>	<b>1102</b>	<b>390</b>	<b>665</b>	<b>674</b>	<b>13534</b>
<b>48</b>	<b>FRACTURES(S02,S12,S22,S32,S42,S52,S62,S72,S82,S92,T10,T12,T02,T08)</b>	<b>Male</b>	<b>0</b>	<b>3</b>	<b>9</b>	<b>82</b>	<b>104</b>	<b>64</b>	<b>58</b>	<b>34</b>	<b>6</b>	<b>32</b>	<b>19</b>	<b>411</b>
		<b>Female</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>20</b>	<b>30</b>	<b>26</b>	<b>19</b>	<b>4</b>	<b>3</b>	<b>22</b>	<b>1</b>	<b>130</b>
		<b>Total</b>	<b>0</b>	<b>6</b>	<b>11</b>	<b>102</b>	<b>134</b>	<b>90</b>	<b>77</b>	<b>38</b>	<b>9</b>	<b>54</b>	<b>20</b>	<b>541</b>
1	FRACTURE OF SKULL AND FACIAL BONES(S02)	Male	0	0	0	4	0	0	0	2	0	0	0	6
		Female	0	0	0	0	0	0	0	0	0	2	0	2
2	FRACTURE OF NECK,THORAX OR PELVIS(S12,S22,S32 & T08)	Male	0	0	1	11	23	15	18	1	0	1	0	70
		Female	0	0	0	5	14	5	9	0	0	0	0	33
3	FRACTURE OF UPPER LIMB(S42,S52,S62 & T10)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	1	0	1
4	FRACTURE OF LOWER LIMB(S72,S82,S92 & T12)	Male	0	0	2	5	5	2	5	4	0	19	2	44
		Female	0	0	0	0	1	0	3	0	1	9	0	14
5	FRACTURES INVOLVING MULTIPLE BODY REGIONS, AND OF UNSPECIFIED BODY REGION (T02)	Male	0	3	6	62	76	47	35	27	6	12	17	291
		Female	0	3	2	15	15	21	7	4	2	10	1	80

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
49	DISLOCATIONS,SPRAINS AND STRAINS OF SPECIFIED AND MULTIPLE BODY REGIONS (S03,S13,S23,S33,S43,S53,S63,S73,S83,S93,T03)	Male	0	1	1	20	16	32	26	8	5	9	4	122
		Female	0	0	0	5	10	6	14	1	1	2	0	39
		Total	0	1	1	25	26	38	40	9	6	11	4	161
50	INTRACRANIAL AND INTERNAL INJURIESINCLUDING NERVES(S04,S06,S14 S26-S27,S34,S36-S37,S44,S54,S64,S74,S84 & S94)	Male	1	3	14	129	169	166	147	95	37	49	40	850
		Female	0	2	4	45	31	44	33	17	7	20	5	208
		Total	1	5	18	174	200	210	180	112	44	69	45	1058
51	CRUSHING INJURIES AND TRAUMATIC AMPUTATIONS OF SPECIFIED AND MULTIPLE BODY (S07-S08,S17-S18,S28,S38,S47-S48,S57,S77-S78,S87-S88, S97-S98, T04-T05)	Male	0	0	0	49	19	14	8	3	3	1	2	99
		Female	0	0	0	11	11	10	1	2	0	2	0	37
		Total	0	0	0	60	30	24	9	5	3	3	2	136
52	OTHER INJURIES OF SPECIFIED,UNSPECIFIED AND MULTIPLE BODY REGIONS(S00-S01,S15-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,S85-86,S90-S91,S95-S96, S99, T00-T01, T06,T07,T09, T11, T13-T14)	Male	6	27	79	367	535	497	414	337	110	196	146	2714
		Female	4	14	33	69	74	102	108	87	37	74	15	617
		Total	10	41	112	436	609	599	522	424	147	270	161	3331
53	EFFECTS OF FOREIGN BODY ENTERING THROUGH NATURAL ORIFICE (T15-T19)	Male	0	3	2	0	0	0	0	0	0	0	0	5
		Female	0	0	0	0	0	0	0	0	0	0	0	0
		Total	0	3	2	0	0	0	0	0	0	0	0	5
54	BURNS AND CORROSIONS(T20-T32)	Male	4	20	72	171	278	210	102	56	12	33	42	1000
		Female	10	24	96	755	877	447	154	50	33	79	98	2623
		Total	14	44	168	926	1155	657	256	106	45	112	140	3623
55	POISONINGS BY DRUGS AND BIOLOGICAL SUBSTANCES,AND TOXIC EFFECTS OF SUBSTANCES CHIEFLY NONMEDICINAL AS TO SOURCE(T36-T50, T51-T65)	Male	3	17	45	485	668	542	502	313	92	94	185	2946
		Female	10	14	50	411	294	195	145	79	35	42	79	1354
		Total	13	31	95	896	962	737	647	392	127	136	264	4300
56	OTHER AND UNSPECIFIED EFFECTS OF EXTERNAL CAUSES AND CERTAIN EARLY COMPLICATION OF TRAUMA (T33-T35,T66-T78 & T79)	Male	0	5	19	49	51	42	27	5	4	4	18	224
		Female	1	5	4	42	17	11	4	2	2	2	15	105
		Total	1	10	23	91	68	53	31	7	6	6	33	329
57	COMPLICATIONS OF SURGICAL AND MEDICAL CARE NOT ELSEWHERE CLASSIFIED (T80-T88)	Male	0	0	1	3	7	3	8	8	0	3	5	38
		Female	0	0	1	1	0	1	3	0	3	1	0	10
		Total	0	0	2	4	7	4	11	8	3	4	5	48
58	LATE EFFECTS OF INJURIES,OF POISONING AND OF OTHER CONSEQUENCES OF EXTERNAL CAUSES(T90-T98)	Male	0	0	0	1	0	0	0	1	0	0	0	2
		Female	0	0	0	0	0	0	0	0	0	0	0	0
		Total	0	0	0	1	0	0	0	1	0	0	0	2

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>XX</b>	<b>EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(V01-Y89)</b>	<b>Male</b>	14	79	242	1356	1847	1570	1292	860	269	421	461	8411
		<b>Female</b>	25	62	190	1359	1344	842	481	242	121	244	213	5123
		<b>Total</b>	39	141	432	2715	3191	2412	1773	1102	390	665	674	13534
<b>E48</b>	<b>TRANSPORT ACCIDENTS(V01-V99)</b>	<b>Male</b>	5	18	64	371	511	482	379	311	88	172	133	2534
		<b>Female</b>	1	14	23	60	73	105	109	69	31	57	15	557
		<b>Total</b>	6	32	87	431	584	587	488	380	119	229	148	3091
1	RAILWAY ACCIDENTS(V05,V15,V80.6,V81)	Male	0	0	0	3	3	4	0	2	0	0	1	13
		Female	0	1	0	1	0	2	0	0	0	0	0	4
2	MOTOR VEHICLE TRAFFIC ACCIDENTS(V02-V04,V09.2-V09.3,V12-V14,V20-V29,V30-V39 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.)	Male	5	17	64	367	508	478	378	309	88	171	132	2517
		Female	1	13	23	59	73	103	109	69	31	57	15	553
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	0	0	0	0	1	0	2
		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	1	0	0	1	0	0	0	0	2
		Female	0	0	0	0	0	0	0	0	0	0	0	0
<b>E49</b>	<b>ACCIDENTAL FALLS(W00-W19)</b>	<b>Male</b>	1	2	4	26	24	23	28	18	6	17	12	161
		<b>Female</b>	3	2	0	1	1	6	3	4	2	14	0	36
		<b>Total</b>	4	4	4	27	25	29	31	22	8	31	12	197
<b>E50</b>	<b>ACCIDENTAL DROWING AND SUBMERSION(W65-W74)</b>	<b>Male</b>	0	3	7	7	6	0	4	3	1	2	0	33
		<b>Female</b>	1	0	2	3	1	2	0	0	1	0	1	11
		<b>Total</b>	1	3	9	10	7	2	4	3	2	2	1	44
<b>E51</b>	<b>EXPOSURE TO SMOKE, FIRE AND FLAMES(X00-X09)</b>	<b>Male</b>	4	23	69	129	225	174	83	51	13	30	43	844
		<b>Female</b>	11	30	96	655	761	381	140	42	28	73	90	2307
		<b>Total</b>	15	53	165	784	986	555	223	93	41	103	133	3151
<b>E52</b>	<b>ACCIDENTAL POISONING BY AND EXPOSURE TO NOXIOUS SUBSTANCES (X40-X49)</b>	<b>Male</b>	2	4	11	68	73	77	62	52	11	15	25	400
		<b>Female</b>	3	1	4	74	33	25	19	8	9	5	10	191
		<b>Total</b>	5	5	15	142	106	102	81	60	20	20	35	591

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
E53	INTENTIONAL SELF-HARM(SUICIDE-ATTEMPTED)(X60-X84)	Male	0	0	12	418	637	480	407	231	66	69	151	2471
		Female	0	0	30	424	352	202	116	56	24	28	80	1312
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>42</b>	<b>842</b>	<b>989</b>	<b>682</b>	<b>523</b>	<b>287</b>	<b>90</b>	<b>97</b>	<b>231</b>	<b>3783</b>
E54	ASSAULT(HOMICIDE)(X85-Y09)	Male	0	0	1	39	34	26	19	9	13	7	6	154
		Female	2	0	1	27	21	19	5	2	3	2	4	86
		<b>Total</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>66</b>	<b>55</b>	<b>45</b>	<b>24</b>	<b>11</b>	<b>16</b>	<b>9</b>	<b>10</b>	<b>240</b>
E55	OTHER VIOLENCE(Y10-Y36)	Male	0	0	1	14	18	15	20	13	4	0	3	88
		Female	0	0	1	10	2	6	3	2	0	1	0	25
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>24</b>	<b>20</b>	<b>21</b>	<b>23</b>	<b>15</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>113</b>
1	EVENT OF UNDERTERMINED INTENT(Y10-Y34)	Male	0	0	1	14	18	15	20	13	4	0	3	88
		Female	0	0	1	10	2	6	3	2	0	1	0	25
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
E56	COMPLICATIONS OF MEDICAL AND SURGICAL CARE(Y40-Y84)	Male	0	0	1	8	8	4	4	4	1	2	4	36
		Female	0	0	0	1	0	0	1	1	0	0	0	3
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>9</b>	<b>8</b>	<b>4</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>39</b>
1	DRUGS,MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE (Y40-Y59)	Male	0	0	0	5	7	2	0	3	0	1	1	19
		Female	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	3	1	2	4	1	1	1	3	17
		Female	0	0	0	1	0	0	1	1	0	0	0	3
E57	OTHER EXTERNAL CAUSES OF ACCIDENTAL INJURY,NOT ELSEWHERE CLASSIFIED (W20-W64,W75-W99,X10-X39,X50-X59)	Male	2	29	72	276	311	289	286	168	66	107	84	1690
		Female	4	15	33	104	100	96	85	58	23	64	13	595
		<b>Total</b>	<b>6</b>	<b>44</b>	<b>105</b>	<b>380</b>	<b>411</b>	<b>385</b>	<b>371</b>	<b>226</b>	<b>89</b>	<b>171</b>	<b>97</b>	<b>2285</b>
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

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

KARNATAKA															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	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	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	41	19	26	39	23	11	10	10	212	
		Female	2	6	17	15	18	25	25	21	4	15	8	156	
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	1	21	48	234	292	263	247	145	55	97	74	1477	
		Female	2	9	16	89	82	71	60	37	19	49	5	439	
<b>E58</b>	<b>LATE EFFECTS OF EXTERNAL CAUSES OF MORBIDITY AND MORTALITY (Y85-Y89)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
	<b>ALL CAUSES</b>	<b>MALE</b>	<b>7962</b>	<b>809</b>	<b>1095</b>	<b>2817</b>	<b>5405</b>	<b>8932</b>	<b>11702</b>	<b>13477</b>	<b>8216</b>	<b>15694</b>	<b>3610</b>	<b>79719</b>	
	<b>(MAJOR GROUP 1 TO XIX)</b>	<b>FEMALE</b>	<b>5436</b>	<b>648</b>	<b>899</b>	<b>2929</b>	<b>3557</b>	<b>4167</b>	<b>4974</b>	<b>6318</b>	<b>4486</b>	<b>10301</b>	<b>1746</b>	<b>45461</b>	
		<b>TOTAL</b>	<b>13398</b>	<b>1457</b>	<b>1994</b>	<b>5746</b>	<b>8962</b>	<b>13099</b>	<b>16676</b>	<b>19795</b>	<b>12702</b>	<b>25995</b>	<b>5356</b>	<b>125180</b>	

**TABLE-3 : Medically Certified Deaths by Sex and Major Cause Groups (based upon tenth revision of ICD) during 2005-2012**

Major Group No.	Cause of Death	Sex	YEAR							
			2005	2006	2007	2008	2009	2010	2011	2012
1	2	3	5	6	7	8	9	10	11	12
1	<b>CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)</b>	M	6978	7531	8512	8183	8317	8876	8477	8528
		F	3430	3801	4152	4365	4646	5024	4689	5057
		<b>T</b>	<b>10408</b>	<b>11332</b>	<b>12664</b>	<b>12548</b>	<b>12963</b>	<b>13900</b>	<b>13166</b>	<b>13585</b>
2	<b>NEOPLASMS (C00-D48)</b>	M	2764	3163	3291	4117	4594	4367	4366	4545
		F	1878	2358	2238	2940	3219	3200	3213	3239
		<b>T</b>	<b>4624</b>	<b>5521</b>	<b>5529</b>	<b>7057</b>	<b>7813</b>	<b>7567</b>	<b>7579</b>	<b>7784</b>
3	<b>DISEASES OF THE BLOOD &amp; BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D50-D89)</b>	M	749	829	885	999	1005	1018	1097	1120
		F	803	957	916	1024	1049	973	912	893
		<b>T</b>	<b>1552</b>	<b>1786</b>	<b>1801</b>	<b>2023</b>	<b>2054</b>	<b>1991</b>	<b>2009</b>	<b>2013</b>
4	<b>ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)</b>	M	3460	4667	4124	4623	4853	4630	4599	4874
		F	2110	2937	2415	3094	3091	3156	3237	3232
		<b>T</b>	<b>5570</b>	<b>7604</b>	<b>6539</b>	<b>7717</b>	<b>7944</b>	<b>7786</b>	<b>7836</b>	<b>8106</b>
5	<b>MENTAL AND BEHAVIOURAL DISORDERS (F01-F99)</b>	M	312	195	241	122	100	89	74	101
		F	30	34	35	24	38	24	31	24
		<b>T</b>	<b>342</b>	<b>229</b>	<b>276</b>	<b>146</b>	<b>138</b>	<b>113</b>	<b>105</b>	<b>125</b>
6	<b>DISEASES OF THE NERVOUS SYSTEM(G00-G98)</b>	M	1698	1659	1824	1929	2117	2009	2001	2074
		F	903	1061	1069	1235	1215	1279	1162	1195
		<b>T</b>	<b>2601</b>	<b>2720</b>	<b>2893</b>	<b>3164</b>	<b>3332</b>	<b>3288</b>	<b>3163</b>	<b>3269</b>
7	<b>DISEASES OF THE EYE AND ADNEXA(H00-H59)</b>	M	1	0	0	2	2	1	2	4
		F	1	1	0	0	2	0	1	2
		<b>T</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>6</b>
8	<b>DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)</b>	M	3	0	3	2	1	0	5	2
		F	1	0	0	0	3	2	3	1
		<b>T</b>	<b>4</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>8</b>	<b>3</b>
9	<b>DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)</b>	M	14387	16478	15947	20910	20847	23941	23749	24681
		F	7691	9430	8661	11569	11769	13304	13184	13581
		<b>T</b>	<b>22078</b>	<b>25908</b>	<b>24608</b>	<b>32479</b>	<b>32616</b>	<b>37245</b>	<b>36933</b>	<b>38262</b>
10	<b>DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)</b>	M	3349	4075	4883	5665	5639	6740	6451	6678
		F	1535	2066	2141	2864	2980	3670	3280	3380
		<b>T</b>	<b>4884</b>	<b>6141</b>	<b>7024</b>	<b>8529</b>	<b>8619</b>	<b>1040</b>	<b>9731</b>	<b>10058</b>

**TABLE-3 : Medically Certified Deaths by Sex and Major Cause Groups (based upon tenth revision of ICD) during 2005-2012**

Major Group No.	Cause of Death	Sex	YEAR							
			2005	2006	2007	2008	2009	2010	2011	2012
1	2	3	5	6	7	8	9	10	11	12
11	<b>DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)</b>	M	3986	4914	4897	5279	5468	6225	6466	6700
		F	1235	1254	1265	1450	1501	1634	1608	1523
		<b>T</b>	<b>5221</b>	<b>6168</b>	<b>6162</b>	<b>6729</b>	<b>6969</b>	<b>7859</b>	<b>8074</b>	<b>8223</b>
12	<b>DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)</b>	M	342	399	395	464	486	463	508	476
		F	202	169	198	240	257	225	264	230
		<b>T</b>	<b>544</b>	<b>568</b>	593	<b>704</b>	<b>743</b>	<b>688</b>	<b>772</b>	<b>706</b>
13	<b>DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)</b>	M	48	39	35	51	54	88	107	124
		F	59	50	31	58	46	66	84	92
		<b>T</b>	<b>107</b>	<b>89</b>	<b>66</b>	<b>109</b>	<b>100</b>	<b>154</b>	<b>191</b>	<b>216</b>
14	<b>DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)</b>	M	1611	1773	2101	2302	2446	2766	2544	2722
		F	871	1030	1089	1195	1379	1413	1528	1457
		<b>T</b>	<b>2482</b>	<b>2803</b>	<b>3190</b>	<b>3497</b>	<b>3825</b>	<b>4179</b>	<b>4072</b>	<b>4179</b>
15	<b>PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)</b>	M	0	0	0	0	0	0	0	0
		F	574	568	652	649	611	848	841	642
		<b>T</b>	<b>574</b>	<b>568</b>	<b>652</b>	<b>649</b>	<b>611</b>	<b>848</b>	<b>841</b>	<b>642</b>
16	<b>CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)</b>	M	4760	4278	5173	5555	6204	6798	7090	6932
		F	3160	2988	3361	3831	4127	4004	4412	4678
		<b>T</b>	<b>7920</b>	<b>7266</b>	<b>8534</b>	<b>9386</b>	<b>10331</b>	<b>10802</b>	<b>11502</b>	<b>11610</b>
17	<b>CONGENITAL MALFORMATIONS,DEFORMATIONS &amp; CHROMOSOMAL ABNORMALITIES(Q00-Q99)</b>	M	528	618	663	979	1034	1020	1101	954
		F	389	388	486	650	756	676	704	665
		<b>T</b>	<b>917</b>	<b>1006</b>	<b>1149</b>	<b>1629</b>	<b>1790</b>	<b>1696</b>	<b>1805</b>	<b>1619</b>
18	<b>SYMPTOMS,SIGNS AND ABNORMAL CLINICAL &amp; LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED (R000-R99)</b>	M	2224	2930	2838	3122	2601	1297	1019	793
		F	1331	1957	1804	1911	1720	1018	611	447
		<b>T</b>	<b>3555</b>	<b>4887</b>	<b>4642</b>	<b>5033</b>	<b>4321</b>	<b>2315</b>	<b>1630</b>	<b>1240</b>
19	<b>INJURY,POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES(S00-T98)</b>	M	5463	5960	7022	7272	7315	6523	8861	8411
		F	2951	3636	3953	4194	3941	3980	4940	5123
		<b>T</b>	<b>8414</b>	<b>9596</b>	<b>10975</b>	<b>11466</b>	<b>11256</b>	<b>10503</b>	<b>13801</b>	<b>13534</b>
<b>ALL CAUSES</b>	M	<b>52663</b>	<b>59508</b>	<b>62834</b>	<b>71576</b>	<b>73083</b>	<b>76851</b>	<b>78517</b>	79719	
	F	<b>29154</b>	<b>34685</b>	<b>34466</b>	<b>41293</b>	<b>42350</b>	<b>44496</b>	<b>44704</b>	45461	
	<b>T</b>	<b>81817</b>	<b>94193</b>	<b>97300</b>	<b>112869</b>	<b>115433</b>	<b>121347</b>	<b>123221</b>	<b>125180</b>	

**TABLE-4 : PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE, SEX AND MAJOR CAUSE GROUPS (BASED UPON TENTH REVISION ICD) DURING 2005 TO 2012**

Major Group No.	Cause of Death	Sex	YEAR							
			2005	2006	2007	2008	2009	2010	2011	2012
1	2	3	5	6	7	8	9	10	11	12
1	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	M	13.25	12.66	13.55	11.43	11.38	11.55	10.80	10.70
		F	11.77	12.05	12.05	10.57	10.97	11.29	10.49	11.12
		<b>T</b>	<b>12.72</b>	<b>12.03</b>	<b>13.02</b>	<b>11.12</b>	<b>11.23</b>	<b>11.45</b>	<b>10.68</b>	<b>10.85</b>
2	NEOPLASMS (C00-D48)	M	5.25	5.32	5.24	5.75	6.29	5.68	5.56	5.70
		F	6.44	6.80	6.49	7.12	7.60	7.19	7.19	7.12
		<b>T</b>	<b>5.67</b>	<b>5.86</b>	<b>5.68</b>	<b>6.25</b>	<b>6.77</b>	<b>6.24</b>	<b>6.15</b>	<b>6.22</b>
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	M	1.42	1.39	1.41	1.40	1.38	1.32	1.40	1.40
		F	2.75	2.76	2.66	2.48	2.48	2.19	2.04	1.96
		<b>T</b>	<b>1.90</b>	<b>1.90</b>	<b>1.85</b>	<b>1.79</b>	<b>1.78</b>	<b>1.64</b>	<b>1.63</b>	<b>1.61</b>
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	M	6.57	7.84	6.56	6.46	6.64	6.02	5.86	6.11
		F	7.24	8.47	7.01	7.49	7.30	7.09	7.24	7.11
		<b>T</b>	<b>6.81</b>	<b>8.07</b>	<b>6.72</b>	<b>6.84</b>	<b>6.88</b>	<b>6.42</b>	<b>6.36</b>	<b>6.48</b>
5	MENTAL AND BEHAVIOURAL DISORDERS (F01-F99)	M	0.59	0.33	0.38	0.17	0.14	0.12	0.09	0.13
		F	0.10	0.10	0.10	0.06	0.09	0.05	0.07	0.05
		<b>T</b>	<b>0.42</b>	<b>0.24</b>	<b>0.28</b>	<b>0.13</b>	<b>0.12</b>	<b>0.09</b>	<b>0.09</b>	<b>0.10</b>
6	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	M	3.22	2.79	2.90	2.70	2.90	2.16	2.55	2.60
		F	3.10	3.06	3.10	2.99	2.87	2.87	2.60	2.63
		<b>T</b>	<b>3.18</b>	<b>2.89</b>	<b>2.97</b>	<b>2.80</b>	<b>2.89</b>	<b>2.71</b>	<b>2.57</b>	<b>2.61</b>
7	DISEASES OF THE EYE AND ADNEXA(H00-H59)	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
		F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		<b>T</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
8	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	M	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
		F	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00
		<b>T</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	0.00
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	M	27.32	27.69	25.38	29.21	28.53	31.15	30.25	30.96
		F	26.38	27.19	25.13	28.02	27.79	29.90	29.49	29.87
		<b>T</b>	<b>26.98</b>	<b>27.51</b>	<b>25.29</b>	<b>28.78</b>	<b>28.26</b>	<b>30.69</b>	<b>29.97</b>	<b>30.57</b>
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	M	6.36	6.85	7.77	7.91	7.72	8.77	8.22	8.38
		F	5.27	5.96	6.21	6.94	7.04	8.25	7.34	7.43
		<b>T</b>	<b>5.97</b>	<b>6.52</b>	<b>7.22</b>	<b>7.56</b>	<b>7.47</b>	<b>8.58</b>	<b>7.90</b>	<b>8.03</b>



**TABLE-4 : PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE, SEX AND MAJOR CAUSE GROUPS (BASED UPON TENTH REVISION ICD) DURING 2005 TO 2012**

Major Group No.	Cause of Death	Sex	YEAR							
			2005	2006	2007	2008	2009	2010	2011	2012
1	2	3	5	6	7	8	9	10	11	12
11	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	M	7.57	8.26	7.79	7.38	7.48	8.10	8.24	8.40
		F	4.24	3.62	3.67	3.51	3.54	3.67	3.60	3.35
		T	<b>6.38</b>	<b>6.55</b>	<b>6.33</b>	<b>5.96</b>	<b>6.04</b>	<b>6.48</b>	<b>6.55</b>	<b>6.57</b>
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	M	0.65	0.67	0.63	0.65	0.66	0.60	0.65	0.60
		F	0.69	0.49	0.57	0.58	0.61	0.51	0.59	0.51
		T	<b>0.66</b>	<b>0.60</b>	<b>0.61</b>	<b>0.62</b>	<b>0.64</b>	<b>0.57</b>	<b>0.63</b>	<b>0.56</b>
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	M	0.09	0.07	0.06	0.07	0.07	0.11	0.14	0.16
		F	0.20	0.14	0.09	0.14	0.11	0.15	0.19	0.20
		T	<b>0.13</b>	<b>0.09</b>	<b>0.07</b>	<b>0.10</b>	<b>0.09</b>	<b>0.13</b>	<b>0.16</b>	<b>0.17</b>
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	M	3.06	2.98	3.34	3.22	3.35	3.60	3.24	3.41
		F	2.99	2.97	3.16	2.89	3.26	3.18	3.42	3.20
		T	<b>3.03</b>	<b>2.98</b>	<b>3.28</b>	<b>3.10</b>	<b>3.31</b>	<b>3.44</b>	<b>3.30</b>	<b>3.34</b>
15	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		F	1.97	1.64	1.89	1.57	1.44	1.91	1.88	1.41
		T	<b>0.70</b>	<b>0.60</b>	<b>0.67</b>	<b>0.58</b>	<b>0.53</b>	<b>0.70</b>	<b>0.68</b>	<b>0.51</b>
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	M	9.04	7.19	8.23	7.76	8.49	8.85	9.03	8.70
		F	10.84	8.61	9.75	9.28	9.74	9.00	9.87	10.29
		T	<b>9.68</b>	<b>7.71</b>	<b>8.77</b>	<b>8.32</b>	<b>8.95</b>	<b>8.90</b>	<b>9.33</b>	<b>9.27</b>
17	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	M	1.00	1.04	1.06	1.37	1.41	1.33	1.40	1.20
		F	1.33	1.12	1.41	1.57	1.79	1.52	1.57	1.46
		T	<b>1.12</b>	<b>1.07</b>	<b>1.18</b>	<b>1.44</b>	<b>1.55</b>	<b>1.40</b>	<b>1.46</b>	<b>1.29</b>
18	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED (R00-R99)	M	4.22	4.92	4.52	4.36	3.56	1.69	1.30	0.99
		F	4.57	5.64	5.23	4.63	4.06	2.29	1.37	0.98
		T	<b>4.35</b>	<b>5.19</b>	<b>4.77</b>	<b>4.46</b>	<b>3.74</b>	<b>1.91</b>	<b>1.32</b>	<b>0.99</b>
19	INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES(S00-T98)	M	10.37	10.02	11.18	10.16	10.01	8.49	11.29	10.55
		F	10.12	10.48	11.47	10.16	9.31	8.94	11.05	11.27
		T	<b>10.28</b>	<b>10.19</b>	<b>11.28</b>	<b>10.16</b>	<b>9.75</b>	<b>8.66</b>	<b>11.20</b>	<b>10.81</b>
ALL CAUSES		M	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
		F	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
		T	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

**TABLE 5: PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE, SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

**KARNATAKA**

SL. NO	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	Male	2.15	30.78	27.67	18.92	17.74	16.37	12.68	9.01	8.45	6.67	11.41	10.70
		Female	2.41	34.57	31.26	17.51	17.57	17.16	15.00	10.49	8.31	5.92	10.08	11.12
		Total	2.25	32.46	29.29	18.20	17.67	16.62	13.37	9.48	8.40	6.37	10.98	10.85
2	NEOPLASMS (C00-D48)	Male	0.04	2.35	2.74	4.83	3.77	4.42	6.38	8.71	7.46	6.65	4.99	5.70
		Female	0.00	2.47	3.00	2.05	4.55	8.76	13.83	12.33	8.96	5.94	7.33	7.12
		Total	0.02	2.40	2.86	3.41	4.08	5.80	8.61	9.87	7.99	6.37	5.75	6.22
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	Male	0.00	5.69	6.48	2.95	2.81	2.07	1.14	1.41	0.77	0.89	1.61	1.40
		Female	0.00	4.01	6.23	3.82	3.63	2.86	2.19	1.63	1.11	1.38	2.69	1.96
		Total	0.00	4.94	6.37	3.39	3.14	2.32	1.45	1.48	0.89	1.08	1.96	1.61
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0.00	0.62	0.55	0.82	2.00	3.92	5.60	7.68	8.80	10.79	7.62	6.11
		Female	0.00	1.23	0.89	1.06	1.77	4.61	7.38	10.26	10.99	12.15	9.74	7.11
		Total	0.00	0.89	0.70	0.94	1.91	4.14	6.13	8.50	9.57	11.33	8.31	6.48
5	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0.00	0.00	0.09	0.14	0.17	0.32	0.29	0.07	0.04	0.04	0.17	0.13
		Female	0.00	0.00	0.00	0.03	0.08	0.12	0.02	0.16	0.07	0.00	0.06	0.05
		Total	0.00	0.00	0.05	0.09	0.13	0.26	0.21	0.10	0.05	0.02	0.13	0.10
6	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	Male	2.31	18.67	13.33	6.18	3.22	2.79	1.82	1.93	1.80	1.76	2.74	2.60
		Female	2.21	15.74	12.79	4.98	2.22	2.93	2.15	1.76	1.87	1.63	2.35	2.63
		Total	2.27	17.36	13.09	5.57	2.82	2.83	1.92	1.87	1.83	1.71	2.61	2.61
7	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.03	0.01
		Female	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.02	0.00	0.00	0.00	0.00
		Total	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.02	0.00	0.00	0.02	0.00

**TABLE 5: PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE, SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

**KARNATAKA**

SL. NO	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+	NS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
8	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
		Female	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
		Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	Male	0.00	4.33	5.57	5.43	15.04	24.57	32.88	39.26	45.30	46.92	33.21	30.96
		Female	0.35	3.40	6.12	3.99	12.09	21.74	29.59	39.79	47.70	51.20	36.20	29.87
		Total	0.14	3.91	5.82	4.70	13.87	23.67	31.90	39.43	46.15	48.62	34.19	30.57
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	Male	0.14	8.03	6.76	4.37	5.27	8.20	8.71	9.42	10.36	12.08	9.75	8.38
		Female	0.09	9.57	7.01	4.88	5.37	9.12	8.12	8.14	9.12	10.30	8.48	7.43
		Total	0.12	8.72	6.87	4.63	5.31	8.49	8.53	9.01	9.92	11.38	9.34	8.03
11	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	Male	0.00	1.36	2.28	5.50	11.84	15.21	14.00	10.08	6.49	4.09	9.36	8.40
		Female	0.00	0.46	1.89	3.86	3.88	5.23	5.73	4.73	2.83	2.44	4.12	3.35
		Total	0.00	0.96	2.11	4.66	8.68	12.04	11.53	8.38	5.20	3.44	7.65	6.57
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0.00	0.00	0.00	0.00	0.50	0.54	0.76	0.78	0.68	0.85	0.50	0.60
		Female	0.00	0.00	0.00	0.00	0.65	0.43	0.64	0.82	0.67	0.63	0.57	0.51
		Total	0.00	0.00	0.00	0.00	0.56	0.50	0.73	0.79	0.68	0.76	0.52	0.56
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	Male	0.00	0.00	0.00	0.32	0.13	0.15	0.12	0.16	0.19	0.22	0.25	0.16
		Female	0.00	0.00	0.00	0.03	0.17	0.26	0.36	0.30	0.31	0.16	0.40	0.20
		Total	0.00	0.00	0.00	0.17	0.15	0.18	0.19	0.21	0.24	0.19	0.30	0.17
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0.00	0.49	0.64	0.53	2.68	3.07	3.79	4.38	5.33	4.38	3.30	3.41
		Female	0.00	0.62	0.89	0.51	2.70	3.17	4.80	5.03	4.48	3.79	3.09	3.20
		Total	0.00	0.55	0.75	0.52	2.69	3.10	4.09	4.59	5.03	4.14	3.23	3.34

**TABLE 5: PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE, SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

**KARNATAKA**

SL. NO	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+	NS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
15	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	Male	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Female	0.00	0.00	0.00	9.63	6.92	2.71	0.00	0.00	0.00	0.00	0.06	1.41
		Total	0.00	0.00	0.00	4.91	2.74	0.86	0.00	0.00	0.00	0.00	0.02	0.51
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	Male	87.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.70
		Female	86.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.29
		Total	86.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.27
17	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES (Q00-Q99)	Male	8.13	17.55	10.78	0.96	0.00	0.00	0.00	0.00	0.00	0.04	0.55	1.20
		Female	8.43	17.90	8.01	0.41	0.00	0.00	0.00	0.00	0.00	0.03	0.40	1.46
		Total	8.25	17.71	9.53	0.68	0.00	0.00	0.00	0.00	0.00	0.03	0.50	1.29
18	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED (R00-R99)	Male	0.00	0.37	1.00	0.92	0.65	0.79	0.79	0.71	1.03	1.98	1.75	0.99
		Female	0.00	0.46	0.78	0.82	0.59	0.70	0.50	0.71	0.85	2.10	2.23	0.98
		Total	0.00	0.41	0.90	0.87	0.62	0.76	0.70	0.71	0.97	2.03	1.90	0.99
19	INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES (S00-T98)	Male	0.18	9.77	22.10	48.14	34.17	17.58	11.04	6.38	3.27	2.68	12.77	10.55
		Female	0.46	9.57	21.13	46.40	37.78	20.21	9.67	3.83	2.70	2.37	12.20	11.27
		Total	0.29	9.68	21.66	47.25	35.61	18.41	10.63	5.57	3.07	2.56	12.58	10.81
20	EXTERNAL CAUSES OF MORBIDITY AND MORTALITY (V01-Y89)	Male	0.18	9.77	22.10	48.14	34.17	17.58	11.04	6.38	3.27	2.68	12.77	10.55
		Female	0.46	9.57	21.13	46.40	37.78	20.21	9.67	3.83	2.70	2.37	12.20	11.27
		Total	0.29	9.68	21.66	47.25	35.61	18.41	10.63	5.57	3.07	2.56	12.58	10.81
	ALL CAUSES	MALE	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
		FEMALE	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
		TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

**TABLE 6: PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS OVER AGE GROUPS BY SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

**KARNATAKA**

SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	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	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	Male	2.01	2.92	3.55	6.25	11.25	17.14	17.40	14.24	8.14	12.28	4.83	100.00	
		Female	2.59	4.43	5.56	10.14	12.36	14.14	14.75	13.11	7.38	12.06	3.48	100.00	
		Total	2.22	3.48	4.30	7.70	11.66	16.03	16.42	13.82	7.85	12.20	4.33	100.00	
2	NEOPLASMS (C00-D48)	Male	0.07	0.42	0.66	2.99	4.49	8.69	16.44	25.83	13.49	22.97	3.96	100.00	
		Female	0.00	0.49	0.83	1.85	5.00	11.27	21.24	24.05	12.41	18.89	3.95	100.00	
		Total	0.04	0.45	0.73	2.52	4.70	9.76	18.44	25.09	13.04	21.27	3.96	100.00	
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	Male	0.00	4.11	6.34	7.41	13.57	16.52	11.88	16.96	5.63	12.41	5.18	100.00	
		Female	0.00	2.91	6.27	12.54	14.45	13.33	12.21	11.53	5.60	15.90	5.26	100.00	
		Total	0.00	3.58	6.31	9.69	13.96	15.10	12.02	14.56	5.61	13.96	5.22	100.00	
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0.00	0.10	0.12	0.47	2.22	7.18	13.44	21.24	14.83	34.76	5.64	100.00	
		Female	0.00	0.25	0.25	0.96	1.95	5.94	11.36	20.05	15.25	38.74	5.26	100.00	
		Total	0.00	0.16	0.17	0.67	2.11	6.69	12.61	20.76	15.00	36.34	5.49	100.00	
5	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0.00	0.00	0.99	3.96	8.91	28.71	33.66	8.91	2.97	5.94	5.94	100.00	
		Female	0.00	0.00	0.00	4.17	12.50	20.83	4.17	41.67	12.50	0.00	4.17	100.00	
		Total	0.00	0.00	0.80	4.00	9.60	27.20	28.00	15.20	4.80	4.80	5.60	100.00	
6	DISEASES OF THE NERVOUS SYSTEM (G00-G98)	Male	8.87	7.28	7.04	8.39	8.39	12.01	10.27	12.54	7.14	13.31	4.77	100.00	
		Female	10.04	8.54	9.62	12.22	6.61	10.21	8.95	9.29	7.03	14.06	3.43	100.00	
		Total	9.30	7.74	7.98	9.79	7.74	11.35	9.79	11.35	7.10	13.58	4.28	100.00	
7	DISEASES OF THE EYE AND ADNEXA (H00-H59)	Male	0.00	0.00	0.00	0.00	0.00	0.00	25.00	50.00	0.00	0.00	25.00	100.00	
		Female	0.00	0.00	0.00	0.00	50.00	0.00	0.00	50.00	0.00	0.00	0.00	100.00	
		Total	0.00	0.00	0.00	0.00	16.67	0.00	16.67	50.00	0.00	0.00	16.67	100.00	

**TABLE 6: PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS OVER AGE GROUPS BY SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

**KARNATAKA**

SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	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	
8	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00	
		Female	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00	
		Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	100.00	
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	Male	0.00	0.14	0.25	0.62	3.29	8.89	15.59	21.44	15.08	29.84	4.86	100.00	
		Female	0.14	0.16	0.40	0.86	3.17	6.67	10.84	18.51	15.76	38.83	4.65	100.00	
		Total	0.05	0.15	0.30	0.71	3.25	8.10	13.90	20.40	15.32	33.03	4.79	100.00	
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	Male	0.16	0.97	1.11	1.84	4.27	10.96	15.26	19.02	12.74	28.39	5.27	100.00	
		Female	0.15	1.83	1.86	4.23	5.65	11.24	11.95	15.21	12.10	31.39	4.38	100.00	
		Total	0.16	1.26	1.36	2.64	4.73	11.06	14.15	17.74	12.53	29.40	4.97	100.00	
11	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	Male	0.00	0.16	0.37	2.31	9.55	20.28	24.45	20.28	7.96	9.58	5.04	100.00	
		Female	0.00	0.20	1.12	7.42	9.06	14.31	18.71	19.63	8.34	16.48	4.73	100.00	
		Total	0.00	0.17	0.51	3.26	9.46	19.18	23.39	20.16	8.03	10.86	4.99	100.00	
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0.00	0.00	0.00	0.00	5.67	10.08	18.70	22.06	11.76	27.94	3.78	100.00	
		Female	0.00	0.00	0.00	0.00	10.00	7.83	13.91	22.61	13.04	28.26	4.35	100.00	
		Total	0.00	0.00	0.00	0.00	7.08	9.35	17.14	22.24	12.18	28.05	3.97	100.00	
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (M00-M99)	Male	0.00	0.00	0.00	7.26	5.65	10.48	11.29	17.74	12.90	27.42	7.26	100.00	
		Female	0.00	0.00	0.00	1.09	6.52	11.96	19.57	20.65	15.22	17.39	7.61	100.00	
		Total	0.00	0.00	0.00	4.63	6.02	11.11	14.81	18.98	13.89	23.15	7.41	100.00	
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0.00	0.15	0.26	0.55	5.33	10.07	16.27	21.68	16.09	25.24	4.37	100.00	
		Female	0.00	0.27	0.55	1.03	6.59	9.06	16.40	21.83	13.80	26.77	3.71	100.00	
		Total	0.00	0.19	0.36	0.72	5.77	9.72	16.32	21.73	15.29	25.77	4.14	100.00	

**TABLE 6: PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS OVER AGE GROUPS BY SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2012**

**KARNATAKA**

SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	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	
15	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	Male	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		Female	0.00	0.00	0.00	43.93	38.32	17.60	0.00	0.00	0.00	0.00	0.00	0.16	
		Total	0.00	0.00	0.00	43.93	38.32	17.60	0.00	0.00	0.00	0.00	0.00	0.16	
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	Male	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	
		Female	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	
		Total	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	
17	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES (Q00-Q99)	Male	67.82	14.88	12.37	2.83	0.00	0.00	0.00	0.00	0.00	0.63	2.10	100.00	
		Female	68.87	17.44	10.83	1.80	0.00	0.00	0.00	0.00	0.00	0.45	1.05	100.00	
		Total	68.25	15.94	11.74	2.41	0.00	0.00	0.00	0.00	0.00	0.56	1.67	100.00	
18	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED (R00-R99)	Male	0.00	0.38	1.39	3.28	4.41	8.95	11.60	12.11	10.72	39.22	7.94	100.00	
		Female	0.00	0.67	1.57	5.37	4.70	6.49	5.59	10.07	8.50	48.32	8.72	100.00	
		Total	0.00	0.48	1.45	4.03	4.52	8.06	9.44	11.37	9.92	42.50	8.23	100.00	
19	INJURY,POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES (S00-T98)	Male	0.17	0.94	2.88	16.12	21.96	18.67	15.36	10.22	3.20	5.01	5.48	100.00	
		Female	0.49	1.21	3.71	26.53	26.23	16.44	9.39	4.72	2.36	4.76	4.16	100.00	
		Total	0.29	1.04	3.19	20.06	23.58	17.82	13.10	8.14	2.88	4.91	4.98	100.00	
20	EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(V01-Y89)	Male	0.17	0.94	2.88	16.12	21.96	18.67	15.36	10.22	3.20	5.01	5.48	100.00	
		Female	0.49	1.21	3.71	26.53	26.23	16.44	9.39	4.72	2.36	4.76	4.16	100.00	
		Total	0.29	1.04	3.19	20.06	23.58	17.82	13.10	8.14	2.88	4.91	4.98	100.00	
	ALL CAUSES	MALE	9.99	1.01	1.37	3.53	6.78	11.20	14.68	16.91	10.31	19.69	4.53	100.00	
		FEMALE	11.96	1.43	1.98	6.44	7.82	9.17	10.94	13.90	9.87	22.66	3.84	100.00	
		TOTAL	10.70	1.16	1.59	4.59	7.16	10.46	13.32	15.81	10.15	20.77	4.28	100.00	

**Table - 7 : Percentage distribution of Medically Certified Deaths due to Tuberculosis, Diabetes Mellitus and Ischaemic Heart Diseases from 2005-2012**

Year	Total MCCD Deaths due to									Total MCCD Deaths		
	Tuberculosis			Diabetes Mellitus			Ischaemic Heart Disease					
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>2005</b>	7.55	5.34	6.77	5.80	6.29	5.98	11.80	9.70	11.05	64.37	35.63	100.00
<b>2006</b>	6.40	4.54	5.72	7.21	7.64	7.37	13.05	11.23	12.38	63.18	36.82	100.00
<b>2007</b>	6.83	4.65	6.07	5.87	6.38	6.04	11.21	10.13	10.83	64.94	35.06	100.00
<b>2008</b>	5.86	4.17	5.24	5.77	6.62	6.08	13.50	11.63	12.81	63.42	36.58	100.00
<b>2009</b>	5.47	3.70	4.82	6.15	6.58	6.30	12.75	11.21	12.18	63.31	36.69	100.00
<b>2010</b>	5.29	3.72	4.72	5.29	6.11	5.59	13.91	12.43	13.37	63.33	36.67	100.00
<b>2011</b>	5.24	3.72	4.69	5.12	6.20	5.51	12.77	11.47	12.30	63.72	36.28	100.00
<b>2012</b>	5.42	4.55	5.10	5.50	6.15	5.73	13.42	12.12	12.95	63.68	36.32	100.00



FORM NO. 4/4A				
(See Rule 7)				
<b>MEDICAL CERTIFICATE OF CAUSE OF DEATH</b>				
(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		(a) .....		
State the disease, injury or complication which caused death, not the mode of dying such as heart failure, asthenia, etc.		Due to (or as a consequences of)		
Antecedent Cause		(b) .....		
Morbid conditions, if any, giving rise to the above Cause, stating underlying conditions last		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>		<u>How did the injury occur?</u>		
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".

## MAJOR GROUPS AND THE DESCRIPTION OF ICD-10 CODES

The classification of diseases may be defined as a system of categories to which morbid entities are assigned according to established criteria. The Tenth Revision of International Classification of Diseases (ICD-10) is a single coded list of three-character categories, each of which can be further divided into up to ten four-character subcategories. In place of the purely numeric coding system of ICD-9, ICD-10 uses alphanumeric code with a letter in the first position and a number in the second, third and fourth positions; the fourth character follows a decimal point. The code numbers can range from A00.0 to Z99.9. The letter U is not used and is kept blank for use in future. Codes U00-U49 is kept reserved to be used for the provisional assignment of new diseases of uncertain etiology. Codes U50-U99 may be used in research, e.g. when testing an alternative sub-classification for a special project.

2. The National list for tabulation of morbidity and Mortality based on the Ninth Revision of ICD-9, 1975 was adopted in MCCD from 1980 to 1998. Subsequently, the World Health Organisation (WHO) brought out 10<sup>th</sup> Revision of International Classification of Diseases (ICD) and the National List for tabulation of Morbidity and Mortality data, based on ICD-10 has been finalised in consultation with the states to meet their requirements and has been adopted from 1999 onward for MCCD Report. The list based on ICD-10 comprises of 20 major groups, 69 categories and 193 sub-categories of causes as compared to 18 major groups including supplementary classification of Injury & poisoning, 66 categories and 194 sub-categories of causes (includes few single causes) of national list based on ICD-9. Chapters, Blocks of three-character categories and group of three/four-character categories of ICD-10 have been considered as Major Groups, Categories and sub-categories respectively in the national list.

3. As per the recommendations of the ICD-10, data on “Medical Certification of Cause of Death” have been tabulated for a total of 69 categories of causes under Major Groups I to XX of National List including External Causes of morbidity and mortality.

### NATIONAL LIST BASED ON ICD-10

#### Major Groups I to XIX :

1. Categories-58 (Group of three-character categories)
2. Sub-categories-177 (Group of  $\frac{3}{4}$  - character categories and  $\frac{3}{4}$  - character single category)

&

#### Major Groups I to XX : External Causes of Morbidity & Mortality

3. Categories-11 (Group of three – character categories)
4. Sub-categories-16 (Group of  $\frac{3}{4}$  - character categories and  $\frac{3}{4}$  - character single category)

The descriptions for all Major Groups of the National list based on ICD-10 are as under :

<b>Major Cause Groups</b>	<b>DESCRIPTION AND ICD CODES</b>
I	Certain Infectious and Parasitic diseases (A00-B99)
II	Neoplasms (C00-D48)
III	Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism (D50-D89)
IV	Endocrine, nutritional and metabolic diseases (E00-E89)
V	Mental and behavioral disorders (F01-F99)
VI	Diseases of the nervous system (G00-G98)
VII	Diseases of the eye and Adnexa (H00-H59)
VIII	Diseases of the ear and mastoid process (H60-H95)
IX	Diseases of the circulatory system (I00-I99)
X	Diseases of the respiratory system (J00-J98)
XI	Diseases of the digestive system (K00-K92)
XII	Diseases of the skin and subcutaneous tissue (L00-L98)
XIII	Diseases of the musculoskeletal system and connective tissue (M00-M99)
XIV	Diseases of the genitourinary system (N00-N99)
XV	Pregnancy, childbirth and the puerperium (O00-O99)
XVI	Certain conditions originating in the perinatal period (P00-P96)
XVII	Congenital malformations, deformation and chromosomal abnormalities (Q00-Q99)
XVIII	Symptoms, signs and abnormal clinical and laboratory findings, n.e.c. (R00-R99)
XIX	Injury, poisoning and certain other consequences of external causes (S00-T98)
XX	External causes of morbidity and mortality (V01-Y89)
*XXI	Factors influencing health status and contact with health services (Z00-Z99)

\* Not in use in India

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