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GOVERNMENT OF KARNATAKA

**REPORT
ON
MEDICAL CERTIFICATION OF
CAUSE OF DEATH
2017**



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

PREFACE

The Report for the year 2017 is the thirty-seventh 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 1719 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 ten years have also been added.

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. My sincere thanks are also placed on record for the efforts made by Sri. S.O. Narayanappa, Joint Chief Registrar, Smt. G. Vanajakshi, Deputy Director, Smt. N.Yashoda, Assistant Chief Registrar, Smt. R. Dakshayini, Assistant Statistical Officer and the staff involved in data entry, under the overall supervision and guidance of Sri. K.Narayana, Chief Registrar of Births and Deaths, in bringing out this report.

Suggestions for improvement of the publication are most welcome.

BENGALURU
Date :29.11.2018

Dr. C.H. VASUNDHARA DEVI
DIRECTOR

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EXECUTIVE SUMMARY

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 – 2017 is based upon 1,46,690 (Males: 94,120 and Females: 52,570) medically certified deaths (30.45 per cent of total registered deaths) supplied by 1719 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 2017, following are eight leading cause groups of deaths constituting around 86.45 per cent of total deaths:

- I. *Diseases of Circulatory System (30.88 per cent) (29.44per cent in 2016)*
- II. *Injury, Poisoning and certain other consequences of External causes (10.43 per cent) (10.75 per cent in 2016)*
- III. *Certain Infectious and Parasitic diseases (9.12 per cent) (9.51 per cent in 2016)*
- IV. *Neoplasm (9.08 per cent) (9.07 per cent in 2016)*

- V. *Diseases of the Respiratory System* (8.65 per cent) (8.65 per cent in 2016).
- VI. *Diseases of the Digestive System* (6.50 per cent) (6.61 per cent in 2016)
- VII. *Endocrine, Nutritional and Metabolic Diseases* (6.50 per cent) (6.43 per cent in 2016)
- VIII. *Certain condition originating in the perinatal period* (5.29 per cent) (5.85 per cent in 2016)

- Among the “Diseases of the circulatory system” deaths, “*Ischaemic Heart Diseases*” (IHD) account for the highest number of deaths (34.54 per cent). Around every 11th medically certified death has been reported to be caused by Ischemic Heart Disease alone.
- The second leading cause group “*Injury, Poisoning and certain other consequences of External causes*” has a major constituent “*Other injuries of specified, Unspecified and Multiple Body regions*” contributing around 37.39 per cent of the total deaths under this cause group and 3.90 per cent of total medically certified deaths.
- Under the third leading group “*Certain Infectious and Parasitic Diseases*” accounting for 9.12 per cent of the total medically certified deaths. “*Respiratory Tuberculosis*” accounts for 34.05 per cent of the deaths under the group and 3.10 per cent of total medically certified deaths.
- The major group, *Neoplasms (Cancer)* is the fourth leading cause accounting for 9.08 per cent of the total medically certified deaths, of which “*Malignant Neoplasm of digestive organs*” accounts for 29.45 per cent which accounts for more than one-fourth of deaths.
- The fifth leading cause group “*Diseases of the Respiratory System*” is responsible for 8.65 per cent of the total medically certified deaths. “*Other Lower Respiratory Disorders*” accounting for around 41.97 per cent of the total deaths. The other major cause in this group is “*Pneumonia*” Causing 19.00 per cent of death, under total medically certified deaths, *this* alone accounts for 1.64 per cent.
- The Sixth leading cause group “*Diseases of Digestive System*” accounting for 6.50 per cent of the total medically certified deaths. Among the deaths due to disorders of digestive system “*Diseases of the Liver*” alone accounts for 70.19 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 6.42 per cent of the total medically certified deaths. Under this cause group, “*Diabetes Mellitus*” group alone accounts for 89.03 per cent of total deaths reported and 5.72 per cent of total medically certified deaths.
- The major group “*Certain Conditions Originating in the Perinatal period*” is the eighth leading cause accounting for 5.29 per cent of the total medically certified deaths. “*Slow fetal growth, fetal Malnutrition and Immaturity*” accounts for 44.24 per cent of the deaths under the group and 2.34 percent of total medically certified deaths.
- In 2016, total Medically certified deaths was 146524 out of this male was 94114, in 2017 total Medically certified deaths was 146690 out of this male was 94120. Compared to 2016, in 2017 there is no percentage increase in total Medically certified deaths.

Age-wise: [TABLE-2]

- Every Seventh reported medically certified deaths has been of the infants (age less than 1 year).
- About 80.73 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 “*Congenital Malformations, Deformations & Chromosomal Abnormalities*” have taken the highest toll of 33.07 per cent. In the age group 5-14 years “*Certain Infectious and Parasitic Diseases*” also claimed the topmost position with the share of 27.06 per cent.
- In the age-groups 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 43.39 per cent and 33.35 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 22.25 and 18.52 per cent respectively.
- For all the age-groups of 45 years and above “*Diseases of Circulatory System*” is the first leading cause of death (38.68 per cent). 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 30.74 per cent to 43.63 per cent.
- The highest number of deaths (34076 i.e., 23.23 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 64.16 per cent and 35.84 per cent respectively.
- There is no significant difference for females as far as eight leading causes are concerned, except for Diseases of the Circulatory System, Diseases of the Digestive System and Injury, Poisoning and Certain other Consequences of External Causes deaths.
- The percentage of female Neoplasm deaths to total female medically certified deaths is 10.59 per cent as compared to the corresponding male figure of 8.25 per cent. On the contrary, the percentage of female digestive system deaths to total female medically certified deaths is just 3.49 per cent as compared to the corresponding male figure of 8.19 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 10th 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. Appendix-I contains detailed Statistical tables for ready reference.

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 2017, 1719 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 Chief Registrar of Births and Deaths Office. They were scrutinised & coded as per ICD-10th 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 - 2017

Sl. No	District Name	No. of Hospitals	Male	Female	Total
1	Bagalkote	67	1734	899	2633
2	Bengaluru(U)	696	31629	18703	50332
3	Bengaluru(R)	17	453	261	714
4	Belagavi	88	5458	2569	8027
5	Bellary	45	2880	1783	4663
6	Bidar	16	987	616	1603
7	Chamarajanagar	13	319	144	463
8	Chikballapur	16	491	278	769
9	Chikmagalur	28	709	427	1136
10	Chitradurga	21	1459	860	2319
11	D.Kannada	96	7326	3798	11124
12	Davanagere	25	3379	1965	5344
13	Dharwad	78	5460	3059	8519
14	Gadag	38	1731	1050	2781
15	Hassan	25	1898	954	2852
16	Haveri	20	702	363	1065
17	Kalburgi	23	1876	1122	2998
18	Kodagu	18	456	201	657
19	Kolar	20	1795	1011	2806
20	Koppal	14	487	279	766
21	Mandya	28	1880	1045	2925
22	Mysuru	44	8099	4235	12334
23	Raichur	21	1807	1021	2828
24	Ramanagara	13	110	48	158
25	Shimoga	59	2978	1611	4589
26	Tumkur	38	1969	1059	3028
27	Udupi	54	2696	1371	4067
28	U.Kannada	48	1623	900	2523
29	Vijayapura	45	1638	900	2538
30	Yadgir	5	91	38	129
Total		1719	94120	52570	146690

2.5 During 2017, a total of 146690 medically certified deaths were reported, of which 94120 and 52570 pertained to males and females respectively. Among 4345

hospitals in the State 1719 (39.56%) hospitals were covered under Medical Certification of Cause of Death.

Out of 696 hospitals in Bangalore district, the district had reported 50332 deaths covering 34.31 per cent of total deaths.

The next highest number of hospitals 96 in Dakshina Kannada district covered under Medical Certification of Cause of Death accounted for 11124 deaths (7.58 per cent).

Less than 500 deaths were reported in the districts of Chamarajanagar (0.32%), Ramanagar (0.11%) and Yadgir (0.09%).

Growth in the Medical Certification of Cause of Death:

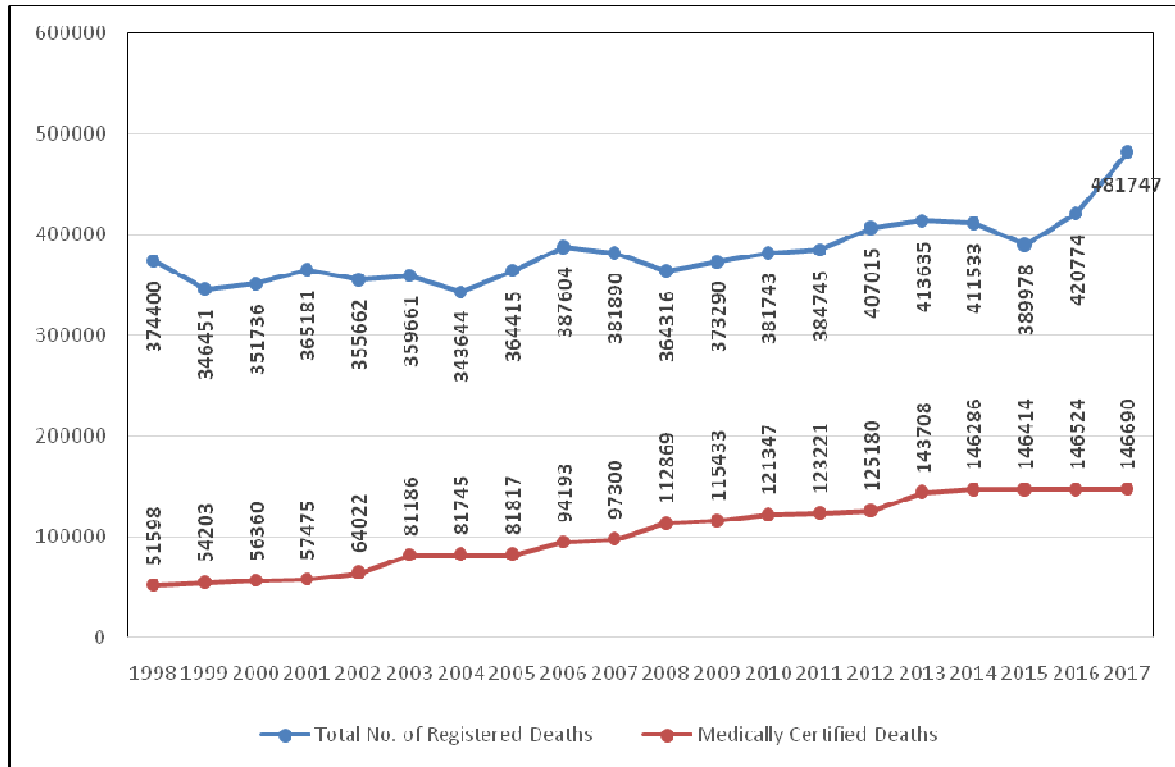
2.6 The time series data on MCCD for the year 1998 to 2017 reveals a significant long-term growth in absolute numbers of medically certified cases. The share of medically certified deaths in total registered deaths has been fluctuating over the years. It was 13.78 per cent during the year 1998 and highest with 37.54 per cent during the year 2015. The growth in MCCD during the last 20 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

Year	Total No. of Registered Deaths	Medically Certified Deaths	Percentage of Medically Certified Deaths to Total Registered Deaths
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	407015	125180	30.76
2013	413635	143708	34.74
2014	411533	146286	34.84
2015	389978	146414	37.54
2016	420774	146524	34.82
2017	481747	146690	30.45

CHART – 1

Growth in M CCD in Karnataka 1998 - 2017



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 10th 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 1719 hospitals by age, sex and major cause groups. During 2017, a total of 1,46,690 medically certified deaths were reported, of which 94,120 and 52,570 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

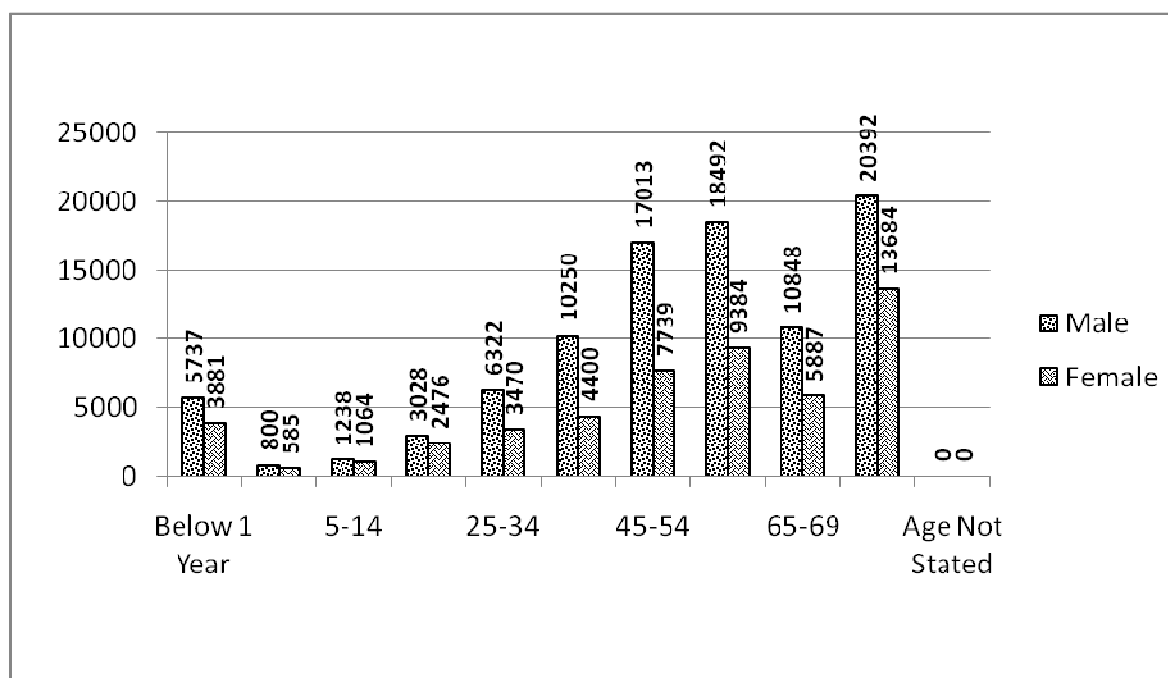
Age and Sex Distribution of Medically Certified Deaths – 2017

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	Percentage 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	5737	6.10	3.91	3881	7.38	2.65	9618	6.56
2	1-4	800	0.85	0.55	585	1.11	0.40	1385	0.94
3	5-14	1238	1.32	0.84	1064	2.02	0.73	2302	1.57
4	15-24	3028	3.22	2.06	2476	4.71	1.69	5504	3.75
5	25-34	6322	6.72	4.31	3470	6.60	2.37	9792	6.68
6	35-44	10250	10.89	6.99	4400	8.37	3.00	14650	9.99
7	45-54	17013	18.08	11.60	7739	14.72	5.28	24752	16.87
8	55-64	18492	19.65	12.61	9384	17.85	6.40	27876	19.00
9	65-69	10848	11.53	7.40	5887	11.20	4.01	16735	11.41
10	70 & above	20392	21.67	13.90	13684	26.03	9.33	34076	23.23
11	Age Not Stated	0	0.00	0.00	0	0.00	0.00	0	0.00
Total		94120	100.00	64.16	52570	100.00	35.84	146690	100.00

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

Chart - 2

DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE AND SEX UNDER MCCD – 2017



3.2 Statement-3 indicates the contribution of male and female deaths in the total medically certified cases were reported to be 64.16 per cent and 35.84 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 59.39 per cent of deaths. Age group 35-44 years also had a significant place with 10.89 per cent. Infant deaths occupied the 7th place (6.10 per cent). Least vulnerable were those in the age group 1-4 years (0.85 per cent).

Among the females also 70 plus had the largest share, followed by those in the age group 55-64 years. Both put together contributed 43.88 per cent deaths. Infant deaths took 6th position with 7.38 per cent, 19.68 per cent deaths were from the prime age group of 15-44 years. Least vulnerable was again in the age group 1-4 years (1.11 per cent).

3.3 The Eight leading cause groups of deaths viz., *Diseases of the circulatory system (I00-I99), Injury, Poisoning and Certain Other Consequences of External Causes (S00-T98), Certain Infectious and Parasitic Diseases (A00-B99), Neoplasms (C00-D48), Diseases of the Respiratory System (J00-J98), Diseases of the Digestive System (K00-K92), Endocrine, Nutritional and Metabolic Diseases (E00-E89), and Certain Conditions Originating in the Perinatal Period (P00-P96)* and had taken together account for about 86.45 per cent of the total medically certified deaths which is detailed in **Statement-4**.

3.4 Among the leading cause groups, *‘Diseases of Circulatory System’* constitute the maximum i.e. **30.88 per cent** of total medically certified deaths, followed by *‘Injury, Poisoning and Certain Other Consequences of External Causes’* **10.43 per cent**, *‘Certain Infectious and Parasitic Diseases’* constitute **9.12 per cent** and *‘Neoplasms’* **9.08 per cent**, *‘Diseases of Respiratory System’* constitute **8.65 per cent**, followed by *‘Diseases of the Digestive System’*, *‘Endocrine, Nutritional and Metabolic Diseases’* constitute **6.50 per cent each**, and *‘Certain Conditions Originating in the Perinatal Period’* constitute **5.29 percent** of the total Medically Certified deaths.

In respect of eight leading causes of death the gender difference is not significant. However, Sexwise distribution of the medically certified deaths shows that the percentage of male deaths are on a higher side, in case of Injury, Poisoning and Certain other Consequences of External Causes (S00-T98) and Diseases of Digestive System (K00-K92) compared to corresponding female figures, but in case of Neoplasms (C00-D48) and Endocrine, Nutritional and Metabolic Diseases (E00-E89) the percentage of female deaths is higher compared to male deaths. The percentage distribution of medically certified deaths by leading cause groups is depicted in Chart-3.

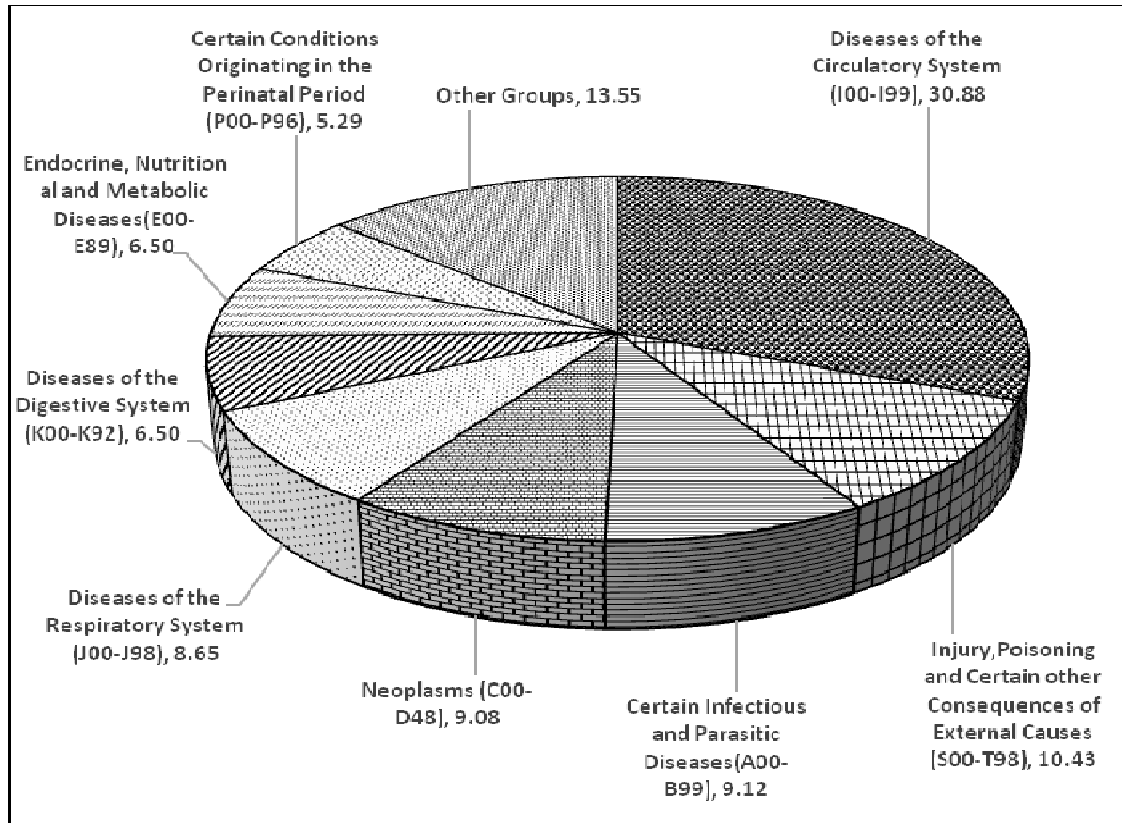
Statement-4

Distribution of Medically Certified Deaths by Sex and Eight Leading Cause-Groups during -2017

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System (I00-I99)	28634	30.42	16661	31.69	45295	30.88
2	Injury, Poisoning and Certain other Consequences of External Causes (S00-T98)	10655	11.32	4650	8.85	15305	10.43
3	Certain Infectious and Parasitic Diseases(A00-B99)	8680	9.22	4691	8.92	13371	9.12
4	Neoplasms (C00-D48)	7761	8.25	5565	10.59	13326	9.08
5	Diseases of the Respiratory System (J00-J98)	8454	8.98	4237	8.06	12691	8.65
6	Diseases of the Digestive System (K00-K92)	7705	8.19	1833	3.49	9538	6.50
7	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	5656	6.01	3873	7.37	9529	6.50
8	Certain Conditions Originating in the Perinatal Period(P00-P96)	4665	4.96	3100	5.90	7765	5.29
9	Other Groups	11910	12.65	7960	15.15	19870	13.55
Total		94120	100.00	52570	100.00	146690	100.00

Chart - 3

**PERCENTAGE DISTRIBUTION OF DEATHS UNDER MCCD
BY LEADING CAUSE GROUP – 2017**



3.5 The percentage distribution of eight major cause groups of death for the period 2000 to 2017 is presented in the **Statement-5**.

Statement – 5
Percentage Distribution of 8 leading Major Cause Groups of Deaths during
2000 to 2017

Year	Leading major cause groups of deaths (As per ICD-10)									
	Diseases of the circulatory system	Injury Poisoning & certain other consequences of external causes	Certain Infectious and Parasitic Diseases	Neoplasm	Diseases of the Respiratory System	Diseases of the Digestive System	Endocrine, Nutritional & Metabolic Diseases	Certain conditions originating in the Perinatal period	Other Groups	Total
2000	26.31	9.21	15.16	3.85	6.42	7.25	4.68	10.27	16.85	100.00
2001	24.98	15.03	13.12	4.95	5.04	6.15	5.05	10.49	15.19	100.00
2002	25.32	13.63	12.32	4.45	5.22	6.26	5.95	10.39	16.46	100.00
2003	25.56	11.62	12.32	5.36	5.52	6.29	6.39	10.01	16.93	100.00
2004	25.65	11.48	12.24	6.2	5.43	6.45	6.29	9.54	16.72	100.00
2005	26.98	10.28	12.72	5.67	5.97	6.38	6.81	9.68	15.51	100.00
2006	27.51	10.19	12.03	5.86	6.52	6.55	8.07	7.71	15.56	100.00
2007	25.29	11.28	13.02	5.68	7.22	6.33	6.72	8.77	15.69	100.00
2008	28.78	10.16	11.12	6.25	7.56	5.96	6.84	8.32	15.01	100.00
2009	28.26	9.75	11.23	6.77	7.47	6.04	6.88	8.95	14.65	100.00
2010	30.69	8.66	11.45	6.24	8.58	6.48	6.42	8.90	12.59	100.00
2011	29.97	11.2	10.68	6.15	7.90	6.55	6.36	9.33	11.85	100.00
2012	30.57	10.81	10.85	6.48	8.03	6.22	6.57	9.27	11.2	100.00
2013	28.8	11.48	10.10	6.67	8.60	6.64	5.59	9.33	12.79	100.00
2014	29.61	11.22	9.23	7.46	8.36	6.60	5.36	9.97	12.2	100.00
2015	31.81	11.13	9.39	7.80	8.53	6.86	5.55	9.39	13.02	100.00
2016	29.44	10.75	9.51	9.07	8.65	6.61	6.43	5.85	13.68	100.00
2017	30.88	10.43	9.12	9.08	8.65	6.50	6.50	5.29	13.55	100.00

Note : ‘Others’ include to remaining cause group.

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 medically certified deaths has registered fluctuating trend over the year. An increase in the share of deaths under this cause group by 1.44 percentage point in 2017 as compared to 2016. The major cause group “Certain Infectious and Parasitic Diseases” has shown 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 fluctuating trend 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 decreasing 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 8.65 per cent during the period of 2001 to 2017, this accounting for around 5 to 9 deaths per hundred reported medically certified deaths.

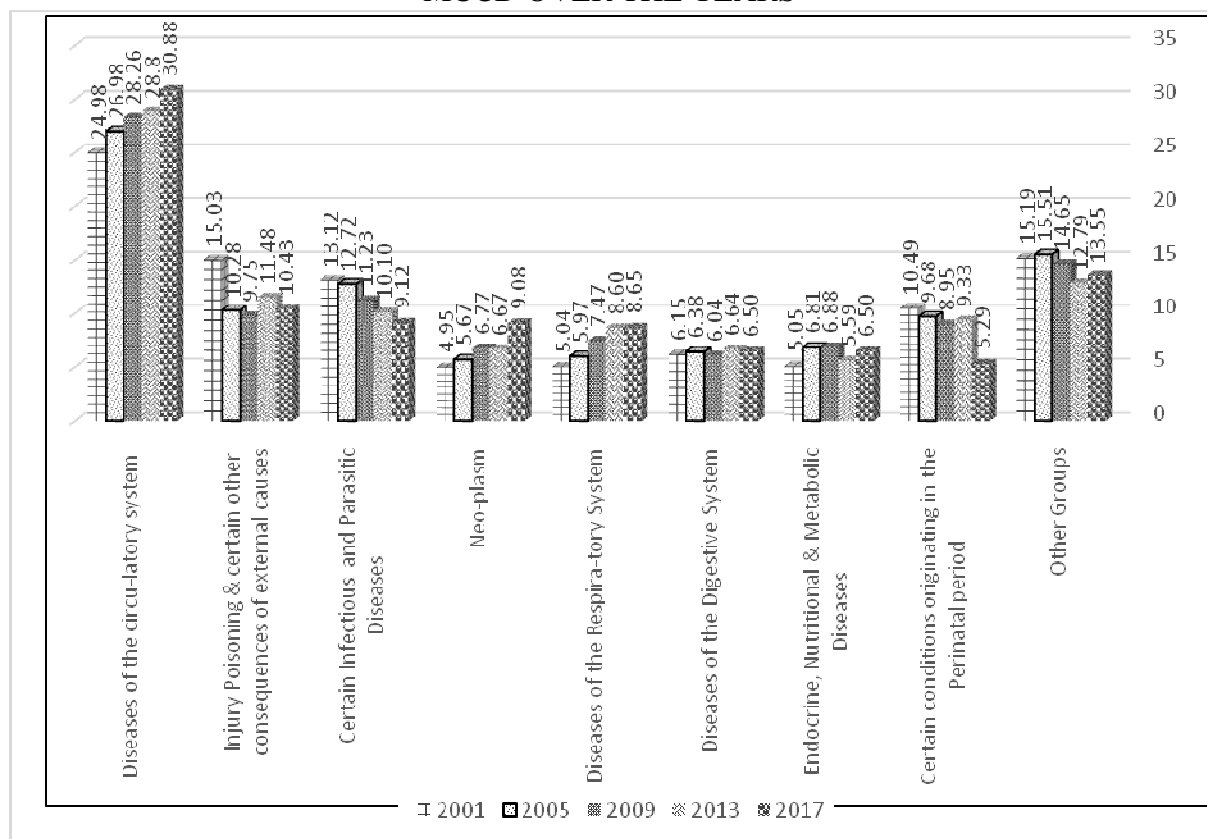
3.5.4 The share of medically certified deaths due to *‘Endocrine, Nutritional and Metabolic Diseases’* is 6.50 per cent during 2017.

3.5.5 The percentage of deaths due to *‘Neoplasms’* has been increased from 3.85 per cent to 9.08 per cent over the years. In 2017, the percentage of medically certified deaths due to *‘Diseases of Digestive System’* is 6.50 as against 7.25 in 2000. The share of deaths due to this cause has an average of 6 per cent since 2001.

3.5.6 The groups *“other than”* the Eight leading ones viz., *“Diseases of the Nervous System, 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 from 2000.

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 2001, 2005, 2009, 2013 and 2017.

Chart –4
PERCENTAGE DISTRIBUTION OF LEADING CAUSE GROUPS OF DEATHS UNDER MCCD OVER THE YEARS



Leading Causes of Deaths

3.6 Diseases of the Circulatory System (IX):

It is the topmost ranking major group of disease, constituting 30.88 per cent of total medically certified deaths. It accounts for 30.42 per cent of males and 31.69 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**.

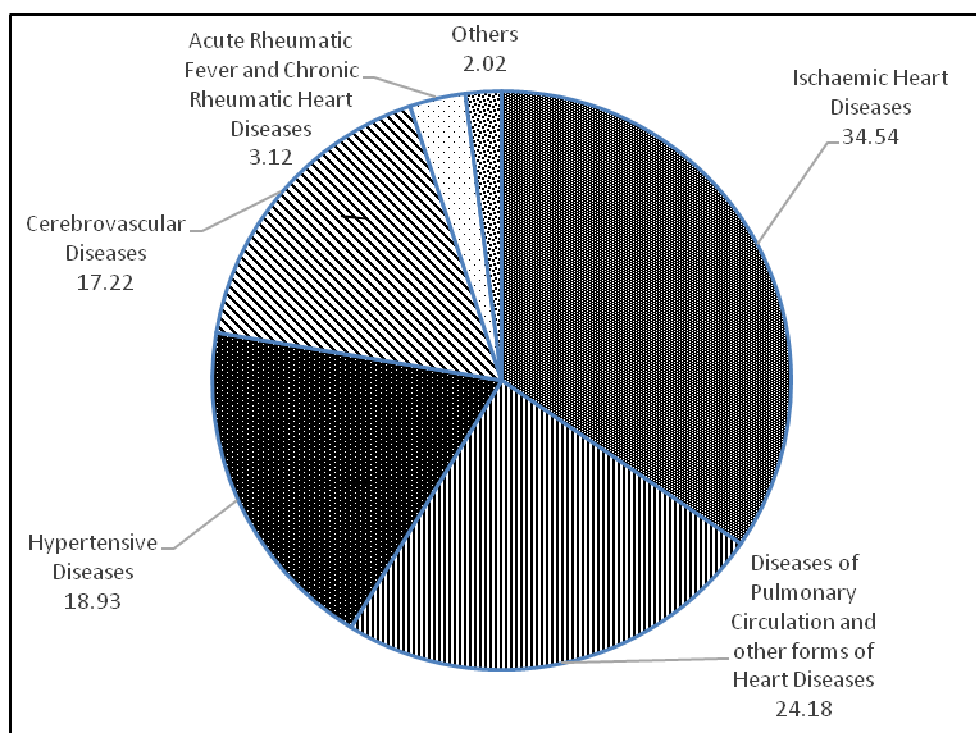
Statement – 6

DISTRIBUTION OF MAJOR CAUSES OF DEATHS AMONG DISEASES OF CIRCULATORY SYSTEM UNDER MCCD-2017

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Ischaemic Heart Diseases	10239	35.76	5407	32.45	15646	34.54	10.67
2	Diseases of Pulmonary Circulation and other forms of Heart Diseases	6908	24.13	4043	24.27	10951	24.18	7.47
3	Hypertensive Diseases	5272	18.41	3304	19.83	8576	18.93	5.85
4	Cerebrovascular Diseases	5012	17.50	2786	16.72	7798	17.22	5.32
5	Acute Rheumatic Fever and Chronic Rheumatic Heart Diseases	636	2.22	775	4.65	1411	3.12	0.96
6	Others	567	1.98	346	2.0767	913	2.02	0.62
Total Medically Certified Deaths due to Diseases of Circulatory System		28634	100.00	16661	100.00	45295	100.00	30.88
Deaths due to Diseases of Circulatory system as percentage to total medically certified deaths			30.42		31.69		30.88	

Chart – 5

PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS DUE TO DISEASES OF CIRCULATORY SYSTEM – 2017



3.6.1 The Sub-group '*Ischaemic 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 (**34.54 per cent**) under the major group '*Diseases of Circulatory System*'. Furthermore, around every 11th medically certified deaths has been reported to be caused by IHD alone. The sub groups '*Diseases of Pulmonary Circulation and Other forms of Heart Diseases and 'Hypertensive Diseases*' are reported to be the top two and three leading cause of deaths have constituted **24.18 per cent and 18.93 per cent** total deaths reported under this major group respectively.

3.6.2 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.

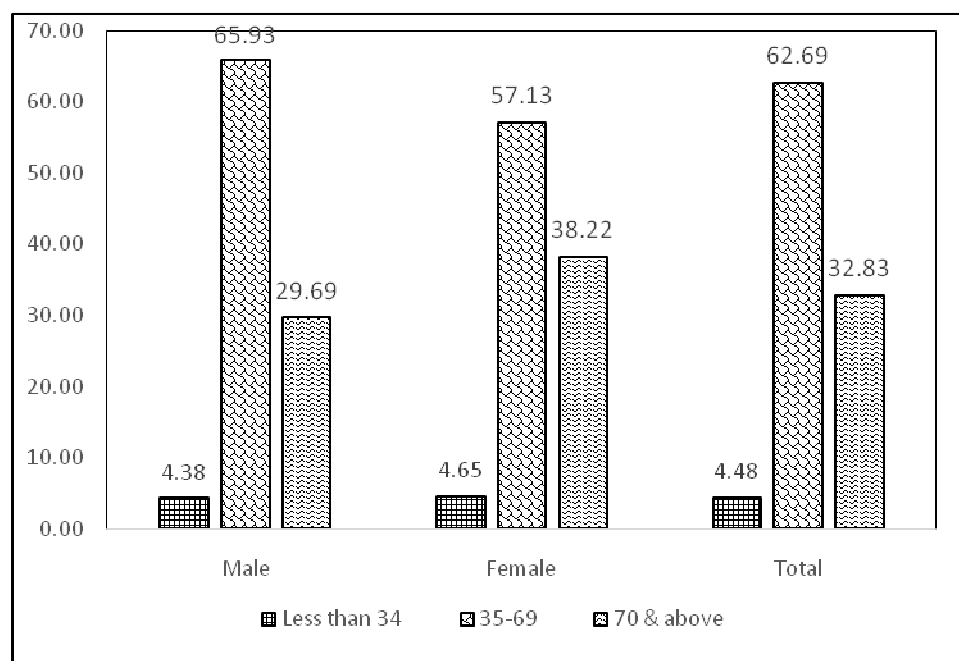
Statement -7

AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF CIRCULATORY SYSTEM UNDER MCCD-2017

Sl. No	Age Group (in years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	0	0.00	0	0.00	0	0.00
2	1-4	6	0.02	1	0.01	7	0.02
3	5-14	81	0.28	58	0.35	139	0.31
4	15-24	225	0.79	177	1.06	402	0.89
5	25-34	942	3.29	539	3.24	1481	3.27
6	35-44	2282	7.97	977	5.86	3259	7.20
7	45-54	5227	18.25	2381	14.29	7608	16.80
8	55-64	6996	24.43	3677	22.07	10673	23.56
9	65-69	4374	15.28	2483	14.90	6857	15.14
10	70 & above	8501	29.69	6368	38.22	14869	32.83
11	Age Not Stated	0	0.00	0	0.00	0	0.00
Total		28634	100.00	16661	100.00	45295	100.00

Chart - 6

AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF CIRCULATORY SYSTEM' UNDER MCCD - 2017



3.7 Injury Poisoning and Certain Other Consequences of External Causes (XIX):

It is the second leading cause group responsible for 10.43 per cent of total medically certified deaths. This has caused 11.32 per cent of male and 8.85 per cent of female deaths. Under this cause group by '*Other Injuries of specified and unspecified and multiple body regions*' with 4586 male and 1136 female deaths (37.39 per cent) this is followed by '*Poisonings by drugs and Biological substances and toxic effects of substances chiefly non-medicinal as to source*' alone have contributed to 30.02 per cent of the total deaths and '*Burns and Corrosions*' (16.10 per cent). Death due to Burns and corrosions among females is 33.91 per cent as compared to 8.32 per cent among males, under this major group. The distribution of chief constituents of the major cause group is given in the **Statement-8** and is depicted in **Chart-7**.

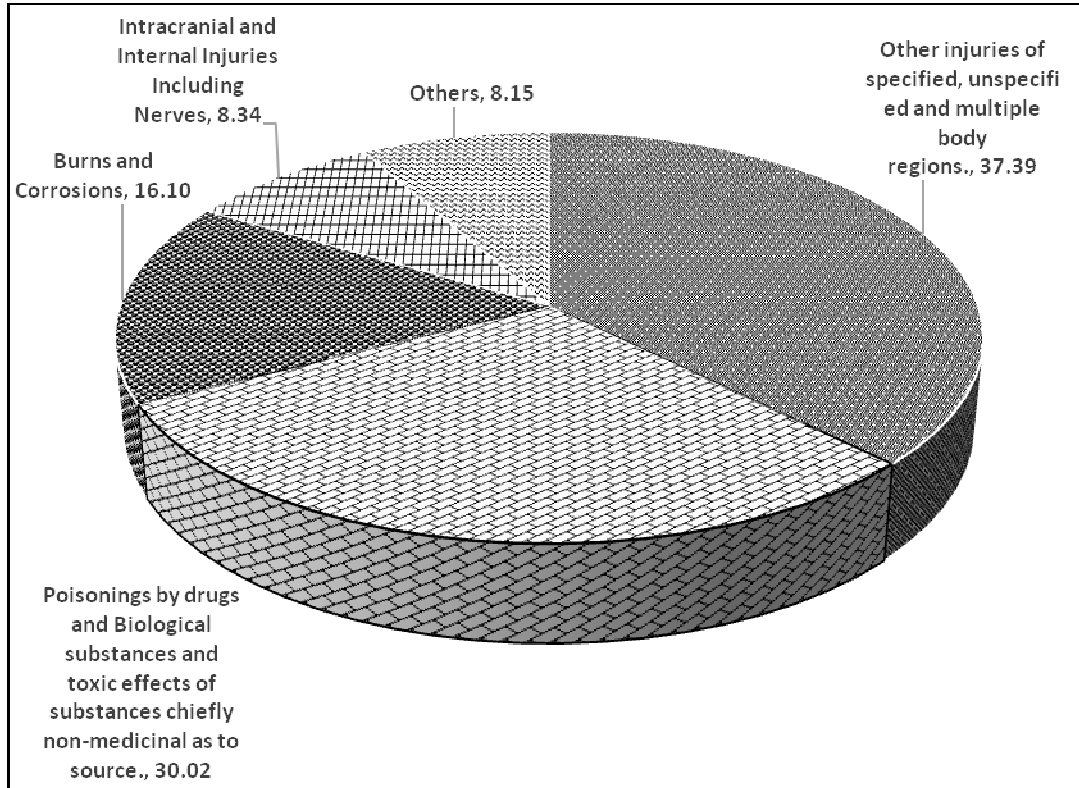
Statement-8

Distribution of Deaths due to Injury, Poisoning and Certain other consequences of External causes Under MCCD-2017

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Other injuries of specified, unspecified and multiple body regions.	4586	43.04	1136	24.43	5722	37.39	3.90
2	Poisonings by drugs and Biological substances and toxic effects of substances chiefly non-medicinal as to source.	3148	29.54	1447	31.12	4595	30.02	3.13
3	Burns and Corrosions	887	8.32	1577	33.91	2464	16.10	1.68
4	Intracranial and Internal Injuries Including Nerves	1096	10.29	180	3.87	1276	8.34	0.87
5	Others	938	8.80	310	6.67	1248	8.15	0.85
	Total Medically Certified Deaths due to Diseases of Injury, Poisoning and Certain Other Consequences of External causes.	10655	100.00	4650	100.00	15305	100.00	10.43
	Deaths due to Injury, Poisoning and Certain other consequences of External causes as percentage to total medically certified deaths		11.32		8.85		10.43	

Chart 7

PERCENTAGE DISTRIBUTION OF DEATHS DUE TO INJURY, POISONING & CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES UNDER MCCD – 2017



3.7.1 As revealed from the **Statement-9** the highest share of deaths (21.34 per cent) is reported for the age group 25-34 years. This is followed by age groups 35-44 years (17.73 per cent) and 45-54 years (17.53 per cent). These three age-groups together accounts for about 56.60 per cent of deaths, implying that the working age groups is much more prone to deaths due to this major group. Age- group wise distribution of deaths due to *'Injury, Poisoning and Certain Other Consequences of External Cause'* is presented in **Chart-8**.

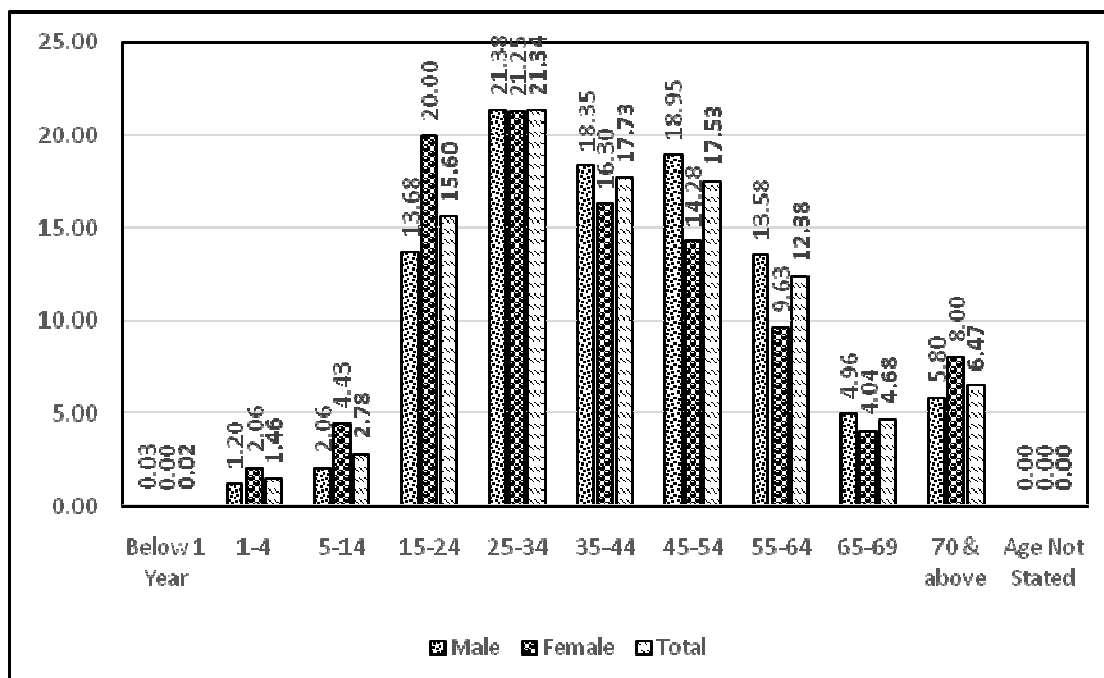
Statement-9

Age Distribution of Deaths due to Injury, Poisoning and Certain Other Consequences of External causes Under MCCD-2017

Sl. No	Age Group (in Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	3	0.03	0	0.00	3	0.02
2	1-4	128	1.20	96	2.06	224	1.46
3	5-14	220	2.06	206	4.43	426	2.78
4	15-24	1458	13.68	930	20.00	2388	15.60
5	25-34	2278	21.38	988	21.25	3266	21.34
6	35-44	1955	18.35	758	16.30	2713	17.73
7	45-54	2019	18.95	664	14.28	2683	17.53
8	55-64	1447	13.58	448	9.63	1895	12.38
9	65-69	529	4.96	188	4.04	717	4.68
10	70 & above	618	5.80	372	8.00	990	6.47
11	Age Not Stated	0	0.00	0	0.00	0	0.00
Total		10655	100.00	4650	100.00	15305	100.00

Chart – 8

AGE DISTRIBUTION OF DEATHS DUE TO INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES UNDER MCCD-2017



3.7.2 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 one and a half (1½) times to that of males (887 males and 1577 females). As detailed in the **Statement-10**, the highest number of deaths due to *‘Burns and Corrosion’* is concentrated in the age group 15-54 years, constituting around 76.17 per cent of deaths under this sub-group. The shares of this age group in the deaths due to *‘Other Injuries of specified, unspecified and multiple body regions’* and *‘Poisonings by drugs & Biological Substances and Toxic effects of substances chiefly non-medicinal as to source’* are around 67.30 per cent and 77.07 per cent respectively.

Statement-10

AGE DISTRIBUTION OF DEATHS DUE TO INJURY, POISONING, BURNS CORROSIONS AND OTHER INJURIES UNDER MCCD-2017

Sl. No	Age Group (In Years)	Age Distribution of Deaths Due to		
		Other injuries of specified, unspecified and multiple body regions	Poisonings by drugs and Biological substances and toxic effects of substances chiefly non-medical as to source	Burns and Corrosions
1	Below 1 year	0.02	0.00	0.04
2	1-4	1.19	0.74	3.25
3	5-14	2.78	2.66	4.30
4	15-24	12.90	16.87	20.45
5	25-34	18.19	22.85	25.49
6	35-44	17.79	18.22	18.10
7	45-54	18.42	19.13	12.13
8	55-64	15.01	10.84	7.79
9	65-69	6.05	4.03	2.60
10	70 & above	7.65	4.68	5.84
11	Age Not Stated	0	0.00	0
Total		100.00	100.00	100.00

3.8 Certain Infectious and Parasitic Diseases (I):

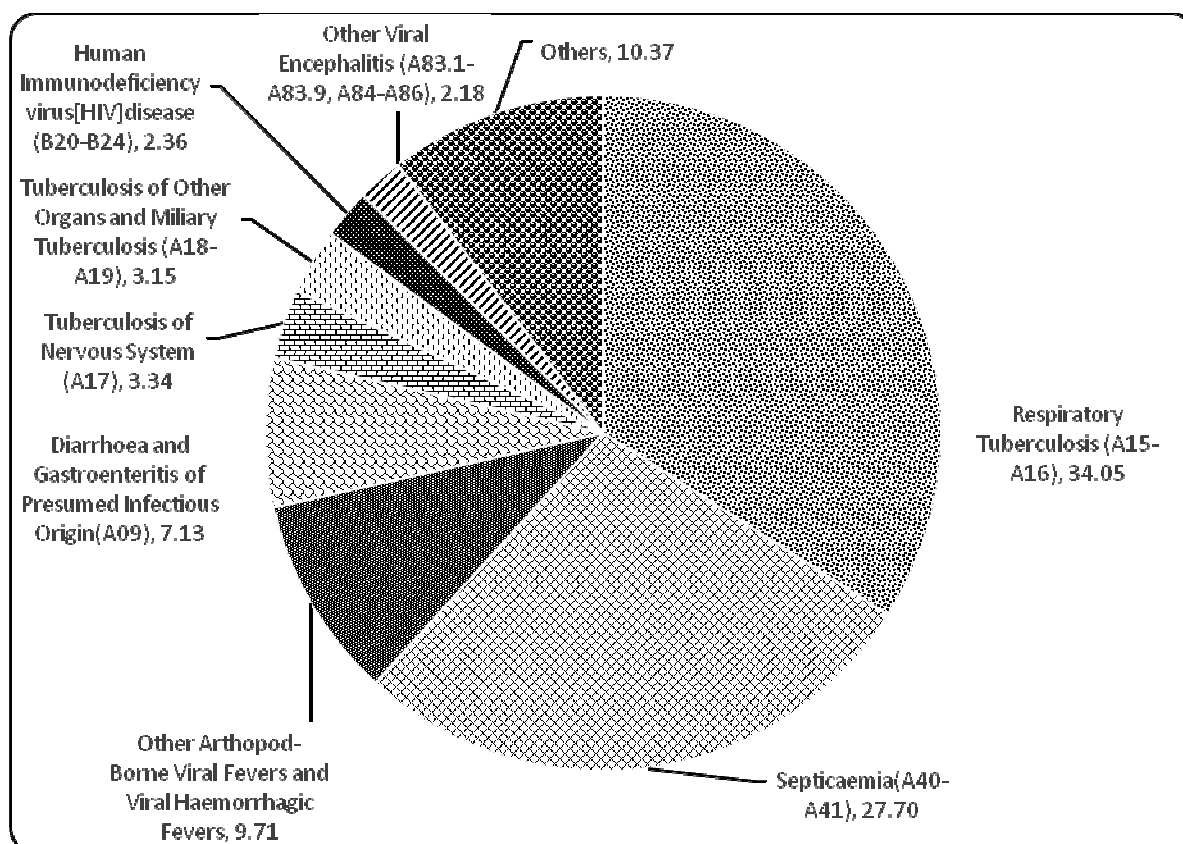
It is the third leading cause group of disease accounting for 9.12 per cent of total medically certified deaths, which constitute 9.22 per cent of male and 8.92 per cent of female medically certified deaths of their respective totals. The distribution of major components under this cause group is shown in the **Statement-11** and is depicted in **Chart - 9**.

Statement -11

Distribution of Major Causes of Deaths among Certain Infectious and Parasitic Diseases Under MCCD-2017

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Respiratory Tuberculosis (A15-A16)	3366	38.78	1187	25.30	4553	34.05	3.10
2	Septicaemia(A40-A41)	2258	26.01	1446	30.82	3704	27.70	2.53
3	Other Arthropod-Borne Viral Fevers and Viral Haemorrhagic Fevers	728	8.39	570	12.15	1298	9.71	0.88
4	Diarrhoea and Gastroenteritis of Presumed Infectious Origin(A09)	541	6.23	412	8.78	953	7.13	0.65
5	Tuberculosis of Nervous System (A17)	291	3.35	156	3.33	447	3.34	0.30
6	Tuberculosis of Other Organs and Miliary Tuberculosis (A18-A19)	266	3.06	155	3.30	421	3.15	0.29
7	Human Immunodeficiency virus[HIV]disease (B20-B24)	215	2.48	101	2.15	316	2.36	0.22
8	Other Viral Encephalitis (A83-A83, A84-A86)	176	2.03	116	2.47	292	2.18	0.20
9	Others	839	9.67	548	11.68	1387	10.37	0.95
Total Medically Certified Deaths due to Certain Infectious and Parasitic Diseases		8680	100.00	4691	100.00	13371	100.00	9.12
Deaths due to Infectious and Parasitic Disease as percentage to total medically certified deaths			9.22		8.92		9.12	

Chart – 9
PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS DUE TO CERTAIN INFECTIOUS & PARASITIC DISEASES -2017



3.8.1 Among the *Certain Infectious and Parasitic Diseases*, ‘*Respiratory Tuberculosis*’ is the highest reported medically certified cause of mortality, constituting around **34.05 per cent**, followed by ‘*Septicemia*’ (**27.70 per cent**). Under this major group, percentage of *Respiratory Tuberculosis* deaths in females is **25.30** per cent as against **38.78** per cent of males out of their respective totals. The share of ‘*Other Arthropad Borne Fevers and Viral Haemarrhagic fevers*’, ‘*Diarrhoea & Gastroenteritis of presumed Infectious Origin*’ and ‘*HIV disease*’ in the total deaths under this group are **9.71, 7.13** and **2.36** 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-12** and is presented in **Chart-10**.

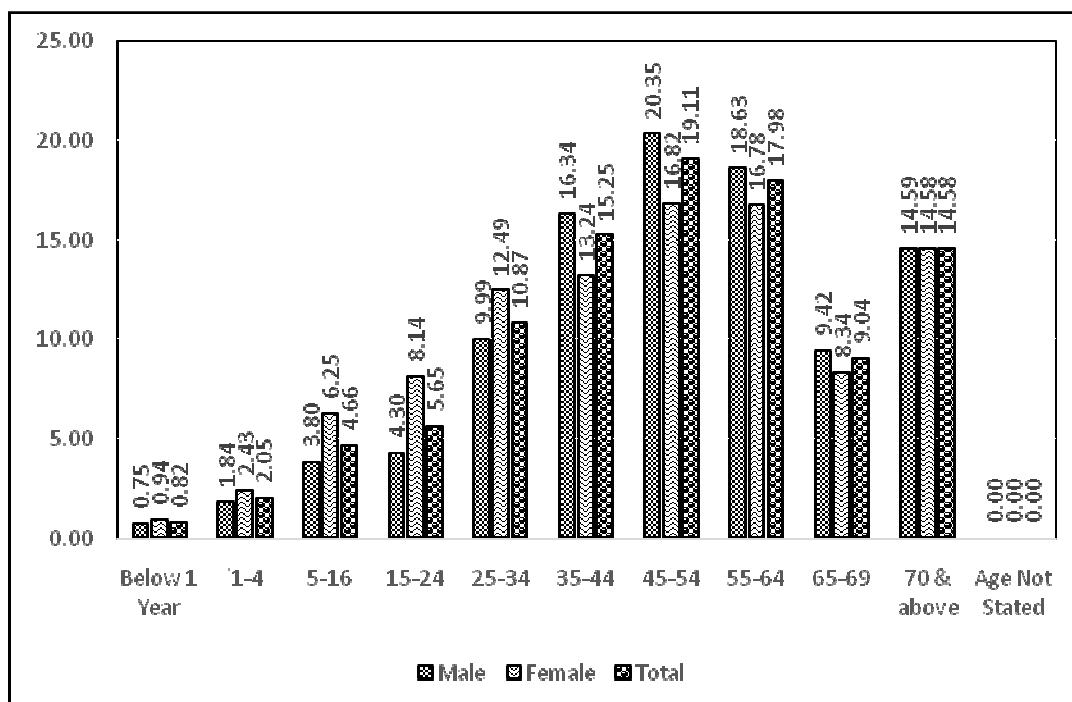
Statement-12

Age Distribution of Deaths due to Certain Infectious and Parasitic Diseases Under MCCD-2017

Sl. No	Age Group (In Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	65	0.75	44	0.94	109	0.82
2	1-4	160	1.84	114	2.43	274	2.05
3	5-14	330	3.80	293	6.25	623	4.66
4	15-24	373	4.30	382	8.14	755	5.65
5	25-34	867	9.99	586	12.49	1453	10.87
6	35-44	1418	16.34	621	13.24	2039	15.25
7	45-54	1766	20.35	789	16.82	2555	19.11
8	55-64	1617	18.63	787	16.78	2404	17.98
9	65-69	818	9.42	391	8.34	1209	9.04
10	70 & above	1266	14.59	684	14.58	1950	14.58
11	Age Not Stated	0	0.00	0	0.00	0	0.00
Total		8680	100.00	4691	100.00	13371	100.00

Chart -10

AGE DISRIBUTION OF DEATHS DUE TO “CERTAIN INFECTIOUS & PARASITIC DISEASES” UNDER MCCD – 2017



As shown in the **Statement-12**, the highest incidence of deaths (19.11 per cent) is reported for the age group 45-54 years, closely followed by age groups 55-64 years (17.98 per cent) and 35-44 years (15.25 per cent). The age-group 25-34 years has contributed to around 10.87 per cent of total deaths under the cause **group ‘Certain Infectious and Parasitic Diseases’**.

3.9. Neoplasms (II) : The Fourth leading cause, *Neoplasm*, which is commonly known as Cancer is responsible for 9.08 per cent of the total medically certified deaths. The share of deaths due to *Neoplasms* in total female deaths is 10.59 per cent as compared to the corresponding figure of 8.25 per cent in case of males. Among total female medically certified deaths, it is the second leading cause of death. The distribution of major causes of deaths under the group is given in the **Statement-13** and depicted in **Chart-11**.

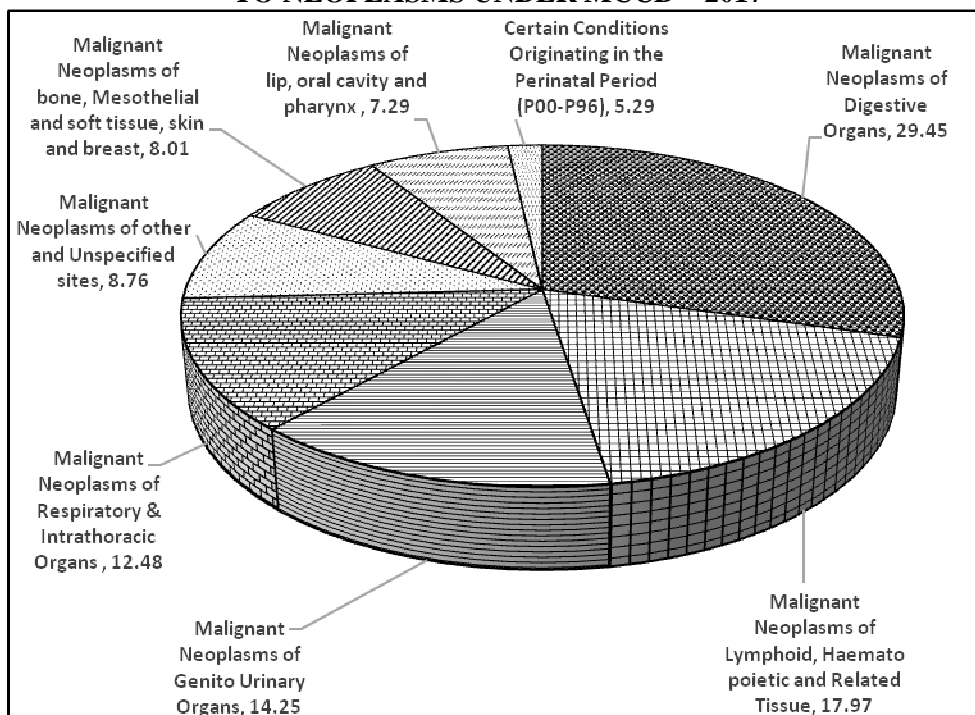
Statement- 13

Distribution of Major Causes of Deaths Due to Neoplasms under MCCD–2017

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Malignant Neoplasms of Digestive Organs	2676	34.48	1248	22.43	3924	29.45	2.68
2	Malignant Neoplasms of Lymphoid, Haematopoietic and Related Tissue	1519	19.57	876	15.74	2395	17.97	1.63
3	Malignant Neoplasms of Genito Urinary Organs	661	8.52	1238	22.25	1899	14.25	1.29
4	Malignant Neoplasms of Respiratory & Intrathoracic Organs	1184	15.26	479	8.61	1663	12.48	1.13
5	Malignant Neoplasms of other and Unspecified sites	687	8.85	481	8.64	1168	8.76	0.80
6	Malignant Neoplasms of bone, Mesothelial and soft tissue, skin and breast	170	2.19	897	16.12	1067	8.01	0.73
7	Malignant Neoplasms of lip, oral cavity and pharynx	704	9.07	267	4.80	971	7.29	0.66
8	Others	160	2.06	79	1.42	239	1.79	0.16
Total Medically Certified Deaths due to Neoplasms		7761	100.00	5565	100.00	13326	100.00	9.08
Deaths due to Neoplasms as percentage to total medically certified deaths			8.25		10.59		9.08	

CHART – 11

PERCENTAGE DISTRIBUTION OF MAJOR CAUSES OF DEATHS DUE TO NEOPLASMS UNDER MCCD – 2017



3.9.1 Among the Neoplasm deaths, *‘Malignant Neoplasm of Digestive Organs’* accounts for the highest mortality of 29.45 per cent, followed by *‘Malignant of Lymphoid, haematopoietic & other related tissue’* (17.97 per cent), *‘Malignant Neoplasm of Genito Urinary Organs’* (14.25 per cent) *‘Malignant Neoplasms of Respiratory & Intrathoracic Organs’* (12.48 per cent). The share of deaths due to Malignant Neoplasms of Digestive Organs is in Male is 34.48 per cent as against 22.43 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 22.25 per cent as compared to 8.52 per cent of corresponding male deaths. In female deaths due to *‘Malignant Neoplasm of Genito Urinary organs’* proportion of deaths due to Cervical cancer, Ovary is 76.90 per cent. Among female deaths cause by *‘Malignant Neoplasms of bone, mesothelial and soft tissue, skin and breast’*, 745 (83.06 per cent) are due to breast cancer. Breast cancer alone accounts for around 13.39 per cent of total female Neoplasm deaths. Among deaths caused by *‘Malignant Neoplasm of Respiratory and Intra Thoracic Organs’* about 83.53 per cent is due to Lung Cancer in male in their respective group. Lung Cancer alone accounts for around 12.74 per cent of total male Neoplasm deaths.

3.9.2 The incidence of Neoplasm death is reported to be the highest i.e. 22.42 per cent in the age group 45-54 years (21.20 per cent of males and 24.13 per cent of females), followed by the age group 55-64 years recording 21.90 per cent of deaths (21.23 per cent of males and 22.82 per cent of females). Around 90 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-14** and **Chart-12**.

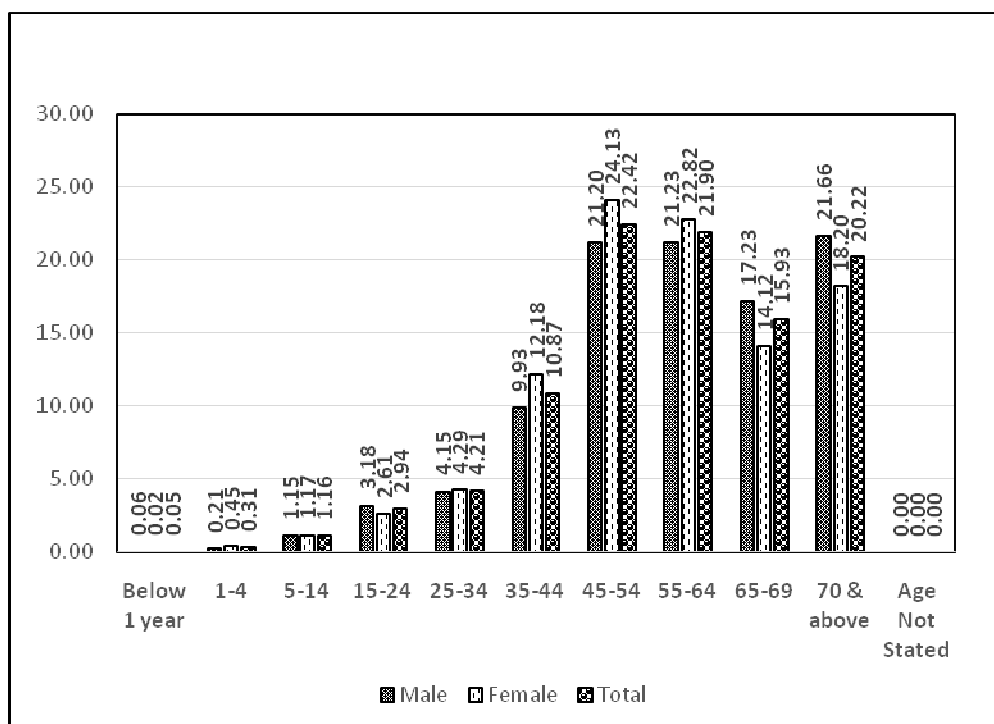
Statement- 14

Age Distribution of Deaths Due to Neoplasm Under MCCD-2017

Sl. No	Age Group (In Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 year	5	0.06	1	0.02	6	0.05
2	1-4	16	0.21	25	0.45	41	0.31
3	5-14	89	1.15	65	1.17	154	1.16
4	15-24	247	3.18	145	2.61	392	2.94
5	25-34	322	4.15	239	4.29	561	4.21
6	35-44	771	9.93	678	12.18	1449	10.87
7	45-54	1645	21.20	1343	24.13	2988	22.42
8	55-64	1648	21.23	1270	22.82	2918	21.90
9	65-69	1337	17.23	786	14.12	2123	15.93
10	70 & above	1681	21.66	1013	18.20	2694	20.22
11	AgeNot Stated	0	0.00	0	0.00	0	0.00
Total		7761	100.00	5565	100.00	13326	100.00

CHART- 12

AGE DISTRIBUTION OF DEATHS DUE TO NEOPLASM UNDER MCCD-2017



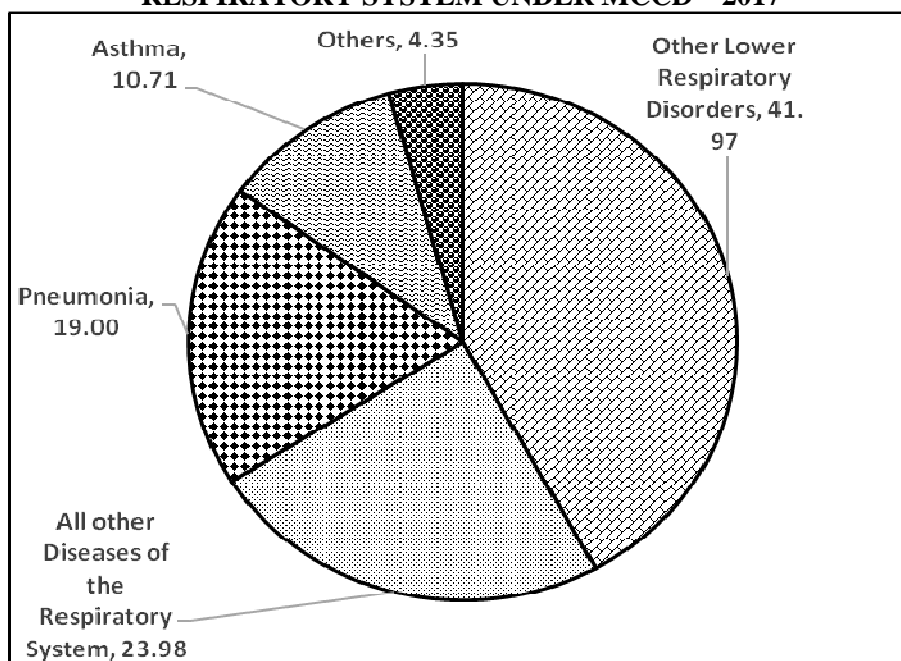
3.10 Diseases of the Respiratory System (X):

The major group of Diseases of Respiratory System is the fifth leading cause, responsible for 8.65 per cent of the total medically certified deaths. This has contributed to 8.98 per cent of male and 8.06 per cent of female deaths. The distribution of chief constituents of the major cause group is given **Statement-15** and is presented in **Chart-13**.

Statement – 15
Distribution of Deaths due to Diseases of Respiratory System Under
MCCD-2017

Sl No.	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Other Lower Respiratory Disorders	3955	46.78	1371	32.36	5326	41.97	3.63
2	All other Diseases of the Respiratory System	1995	23.60	1048	24.73	3043	23.98	2.07
3	Pneumonia	1375	16.26	1036	24.45	2411	19.00	1.64
4	Asthma	767	9.07	592	13.97	1359	10.71	0.93
5	Others	362	4.28	190	4.48	552	4.35	0.38
Total Medically Certified Deaths due to Diseases of Respiratory System		8454	100.00	4237	100.00	12691	100.00	8.65
Deaths due to Diseases of Respiratory system as percentage to total medically certified deaths			8.98		8.06		8.65	

Chart – 13
PERCENTAGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF
RESPIRATORY SYSTEM UNDER MCCD – 2017



3.10.1 ‘Other lower Respiratory disorders’, is the leading cause of death, has caused 40 out of every hundred reported deaths under the major cause group (41.97 per cent). It is followed by **‘All other Diseases of the Respiratory System’** has caused 23.98 per cent of the deaths. **‘Pneumonia’** an inflammatory illness of the lung and also one of the leading cause of death among the elderly and Children has caused 19 out of every hundred reported deaths (19.00 per cent). The percentage share of Pneumonia to the total medically certified deaths is 1.64 percent with the corresponding share of Asthma being 0.93 per cent. The age composition of deaths due to ‘Diseases of Respiratory System’ is presented in **Statement-16** and is highlighted in **Chart-14**.

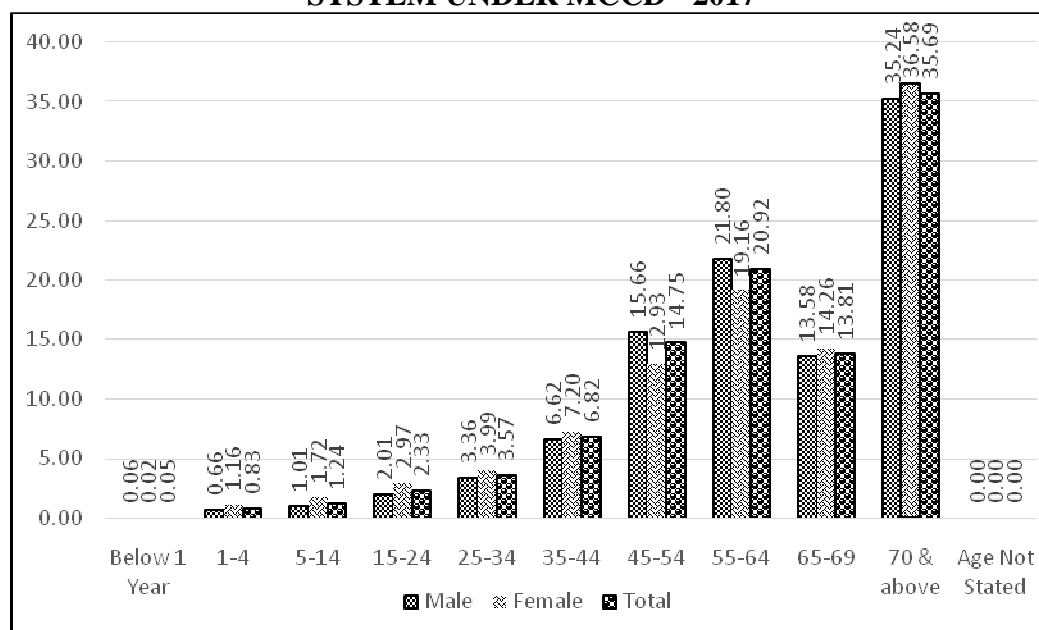
Statement – 16

Age Distribution of Deaths due to Diseases of Respiratory system Under MCCD-2017

Sl. No	Age Group (In years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	5	0.06	1	0.02	6	0.05
2	1-4	56	0.66	49	1.16	105	0.83
3	5-14	85	1.01	73	1.72	158	1.24
4	15-24	170	2.01	126	2.97	296	2.33
5	25-34	284	3.36	169	3.99	453	3.57
6	35-44	560	6.62	305	7.20	865	6.82
7	45-54	1324	15.66	548	12.93	1872	14.75
8	55-64	1843	21.80	812	19.16	2655	20.92
9	65-69	1148	13.58	604	14.26	1752	13.81
10	70 & above	2979	35.24	1550	36.58	4529	35.69
11	Age Not Stated	0	0.00	0	0.00	0	0.00
Total		8454	100.00	4237	100.00	12691	100.00

Chart – 14

AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF RESPIRATORY SYSTEM UNDER MCCD - 2017



3.10.2 The age group '70 and above years' has reported maximum incidence of deaths (35.69 per cent) under the major cause group followed by the age group '55-64 years' with 20.92 per cent of deaths due to 'Diseases of Respiratory system'. The children of age group 0-4 have contributed to only 0.88 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 85.17 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. 9.87 per cent for females compared to 7.10 per cent of males).

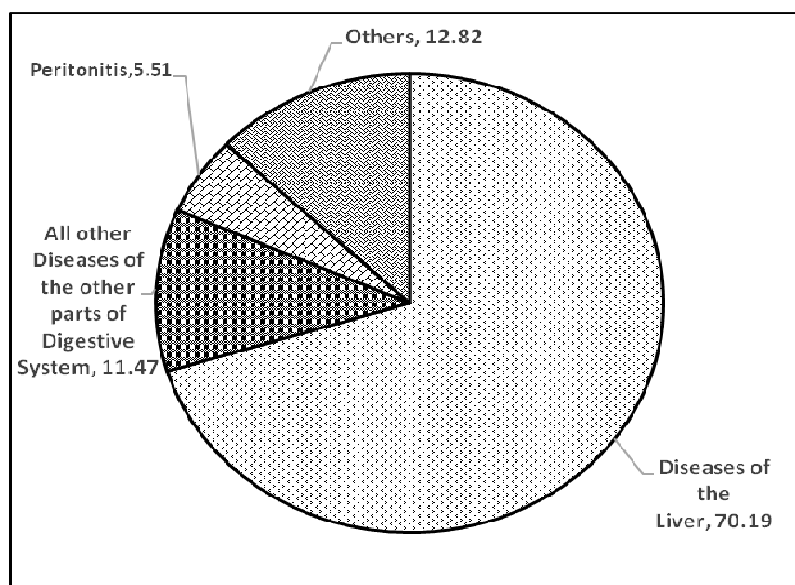
3.11 Diseases of the Digestive System (XI): The major group comprising '*Diseases of Digestive system*' is the Sixth leading cause group, responsible for 6.50 per cent of the total medically certified deaths with 8.19 per cent of male and 3.49 per cent of female deaths. The percentage of male digestive disorder deaths to total medically certified is more than double to that of corresponding female figures. The distribution of major causes of deaths under this group is given in the **Statement-17** and is highlighted in **Chart-15**.

Statement – 17

Distribution of Deaths due to Digestive System Under MCCD-2017

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Diseases of the Liver	5638	73.17	1057	57.67	6695	70.19	4.56
2	All other Diseases of the other parts of Digestive System	782	10.15	312	17.02	1094	11.47	0.75
3	Peritonitis	375	4.87	151	8.24	526	5.51	0.36
4	Others	910	11.81	313	17.08	1223	12.82	0.83
Total Medically Certified Deaths due to Digestive System		7705	100.00	1833	100.00	9538	100.00	6.50
Deaths due to Diseases of Digestive System as percentage to total medically certified deaths			8.19		3.49		6.50	

CHART – 15
PERCENTAGE DISTRIBUTION OF DEATHS DUE TO DIGESTIVE SYSTEM
UNDER MCCD - 2017



3.11.1 Among the deaths due to disorders of digestive system, *‘Diseases of the Liver’* account for 70.19 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 11.47 per cent and 5.51 per cent of total deaths under this major cause group.

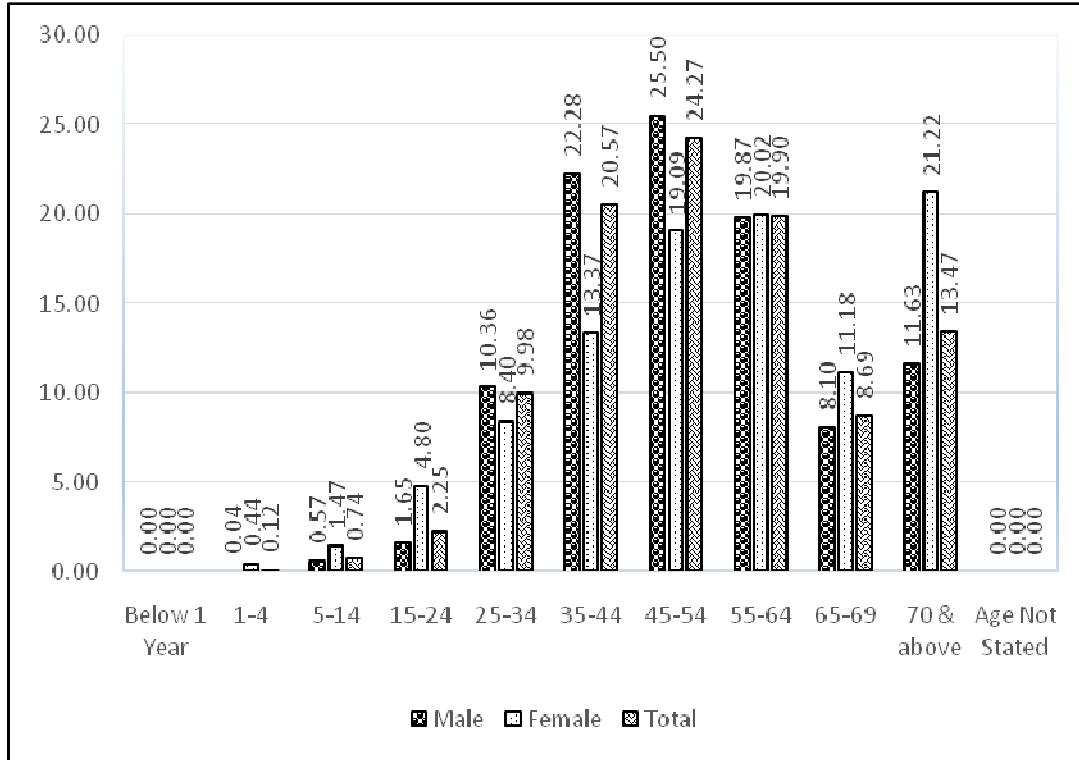
3.11.2 The **Statement-18** reveals that the age group ‘45-54 years’ have reported the maximum deaths (24.27 per cent) under the major group *‘Diseases of Digestive System’*. As high as 96.88 per cent of the total deaths caused by digestive system disorder are concentrated in the age-group 25 years and above. This is highlighted in **Chart-16**.

Statement - 18
Age Distribution of Deaths due to Digestive System Under
MCCD-2017

Sl. No	Age Group (In Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	0	0	0	0.00	0	0.00
2	1-4	3	0.04	8	0.44	11	0.12
3	5-14	44	0.57	27	1.47	71	0.74
4	15-24	127	1.65	88	4.80	215	2.25
5	25-34	798	10.36	154	8.40	952	9.98
6	35-44	1717	22.28	245	13.37	1962	20.57
7	45-54	1965	25.50	350	19.09	2315	24.27
8	55-64	1531	19.87	367	20.02	1898	19.90
9	65-69	624	8.10	205	11.18	829	8.69
10	70 & above	896	11.63	389	21.22	1285	13.47
11	Age Not Stated	0	0.00	0	0.00	0	0.00
Total		7705	100.00	1833	100.00	9538	100.00

CHART - 16

AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF DIGESTIVE SYSTEM UNDER MCCD – 2017



3.12 Endocrine, Nutritional and Metabolic Diseases (IV) : This is the Seventh leading cause group has contributed to 6.50 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 88.05 per cent of total deaths reported under the cause group. The share of Diabetes Mellitus in total medically certified deaths is 5.72 percent. The distribution of major causes of deaths under this group is given in **Statement-19** and is depicted in the **Chart-17**.

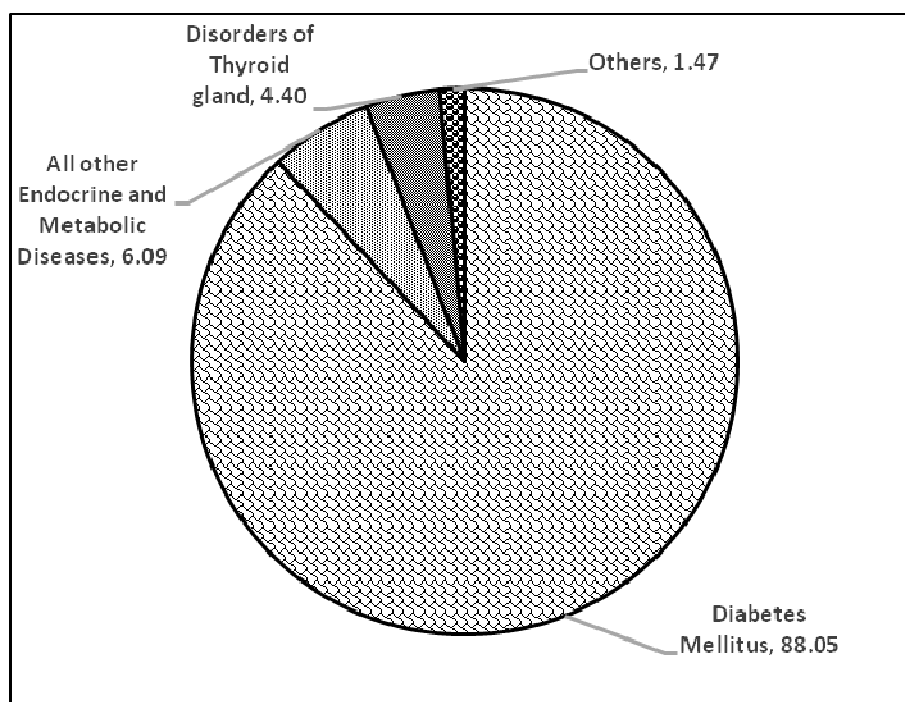
Statement – 19

Distribution of Deaths due to Endocrine, Nutritional and Metabolic Diseases under MCCD – 2017

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Diabetes Mellitus	5083	89.87	3307	85.39	8390	88.05	5.72
2	All other Endocrine and Metabolic Diseases	343	6.06	237	6.12	580	6.09	0.40
3	Disorders of Thyroid gland	141	2.49	278	7.18	419	4.40	0.29
4	Others	89	1.57	51	1.32	140	1.47	0.10
Total Medically Certified Deaths due to Endocrine, Nutritional and Metabolic Diseases		5656	100.00	3873	100.00	9529	100.00	6.50
Deaths due to Diseases of Endocrine, Nutritional and metabolic Diseases as percentage to total medically certified deaths			6.01		7.37		6.50	

Chart – 17

PERCENTAGE DISTRIBUTION OF DEATHS DUE TO ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES UNDER MCCD – 2017



3.12.1 The incidence of '*Diabetes Mellitus*' death is reported to be the highest for the age group 70 and above (30.81 per cent). The **Statement-20** reveals that the deaths due to this disease are concentrated in the age 45 years and above, contributing around 91.69 per cent of the total Diabetes Mellitus deaths under MCCD.

Statement – 20

Age Distribution of Deaths Due to Diabetes Mellitus Under MCCD – 2017

Sl. No	Age Group (In Years)	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	0.00	0	0.00	0	0.00
4	15-24	17	0.33	23	0.70	40	0.48
5	25-34	124	2.44	81	2.45	205	2.44
6	35-44	315	6.20	137	4.14	452	5.39
7	45-54	1133	22.29	569	17.21	1702	20.29
8	55-64	1191	23.43	843	25.49	2034	24.24
9	65-69	855	16.82	517	15.63	1372	16.35
10	70 & above	1448	28.49	1137	34.38	2585	30.81
11	Age Not Stated	0	0.00	0	0.00	0	0.00
Total		5083	100.00	3307	100.00	8390	100.00

3.13 Certain Conditions Originating in the Perinatal Period (XVI):

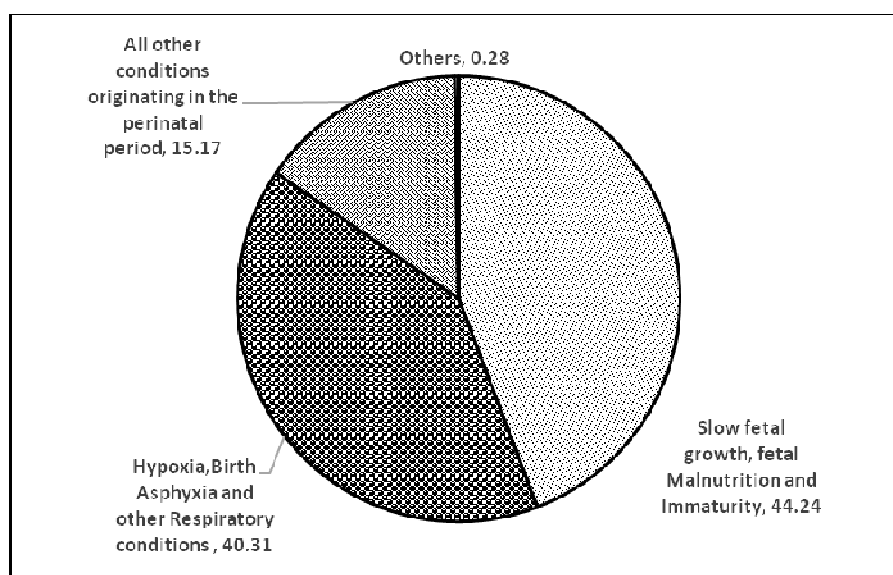
The group of diseases relating to '*Certain conditions originating in the Perinatal Period*' is the Eighth leading cause of death, accounting 5.29 per cent of the total medically certified deaths. This has contributed to 4.96 per cent of male and 5.90 per cent of female medically certified deaths. The distribution of major causes of deaths under this group is shown in the **Statement-21** and is portrayed in the **Chart-18**.

Statement- 21

Distribution of Deaths due to Certain Conditions Originating in the Perinatal Period Under MCCD-2017

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Slow fetal growth, fetal Malnutrition and Immaturity	2063	44.22	1372	44.26	3435	44.24	2.34
2	Hypoxia, Birth Asphyxia and other Respiratory conditions	1875	40.19	1255	40.48	3130	40.31	2.13
3	All other conditions originating in the perinatal period	707	15.16	471	15.19	1178	15.17	0.80
4	Others	20	0.43	2	0.06	22	0.28	0.01
Total Medically Certified Deaths due to certain Conditions Originating in the Perinatal Period		4665	100.00	3100	100.00	7765	100.00	5.29
Deaths due to certain Conditions Originating in the Perinatal Period as percentage to total Medically Certified Deaths			4.96		5.90		5.29	

Chart – 18
PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS DUE TO CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD –2017



Other Causes of Death

3.14 Diseases of the Genito-Urinary System (XIV)

Out of every hundred medically certified deaths, around four are reported from '*Diseases of Genitourinary System*'. Renal failure is the cause of maximum deaths (65.24 per cent) under the '*Genitourinary System*' disease with the overall share of 2.68 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**.

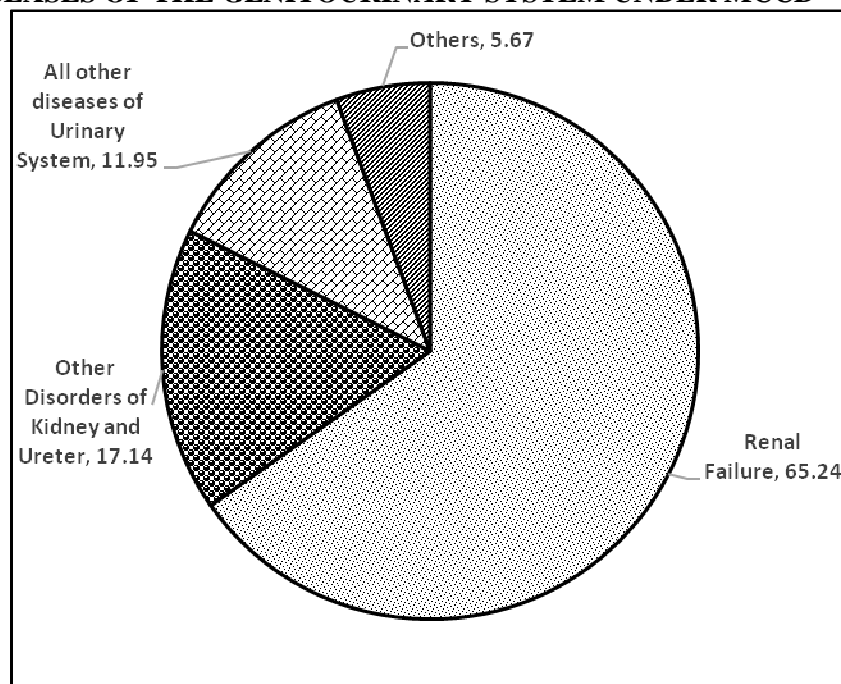
Statement – 22

Distribution of Major Causes of Deaths Due to Diseases of the Genitourinary System Under MCCD – 2017

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Renal Failure	2635	67.44	1301	61.19	3936	65.24	2.68
2	Other Disorders of Kidney and Ureter	682	17.46	352	16.56	1034	17.14	0.70
3	All other diseases of Urinary System	397	10.16	324	15.24	721	11.95	0.49
4	Others	193	4.94	149	7.01	342	5.67	0.23
	Total Medically Certified Deaths due to Genito- Urinary System	3907	100.00	2126	100.00	6033	100.00	4.11
	Deaths due to Diseases of Genitourinary System as percentage to total Medically certified Deaths		4.15		4.04		4.11	

CHART – 19

PERCENTAGE DISTRIBUTION OF MAJOR CAUSES OF DEATHS DUE TO DISEASES OF THE GENITOURINARY SYSTEM UNDER MCCD – 2017



3.14.1 The incidence of '*Renal failure*' death is reported to be, the highest for the age '*70 and above years*' (28.71 per cent). The **Statement-23** reveals that the deaths due to this disease are concentrated in the age 45 years and above, contributing around 84.35 per cent of total deaths reported under MCCD due to renal failure.

Statement – 23

Age Distribution of Deaths Due to Renal Failure Under MCCD - 2017

Sl. No	Age Group (In Years)	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	13	0.49	12	0.92	25	0.64
4	15-24	37	1.40	40	3.07	77	1.96
5	25-34	119	4.52	76	5.84	195	4.95
6	35-44	224	8.50	95	7.30	319	8.10
7	45-54	453	17.19	227	17.45	680	17.28
8	55-64	742	28.16	281	21.60	1023	25.99
9	65-69	317	12.03	170	13.07	487	12.37
10	70 & above	730	27.70	400	30.75	1130	28.71
11	Age Not stated	0	0.00	0	0.00	0	0.00
Total		2635	100.00	1301	100.00	3936	100.00

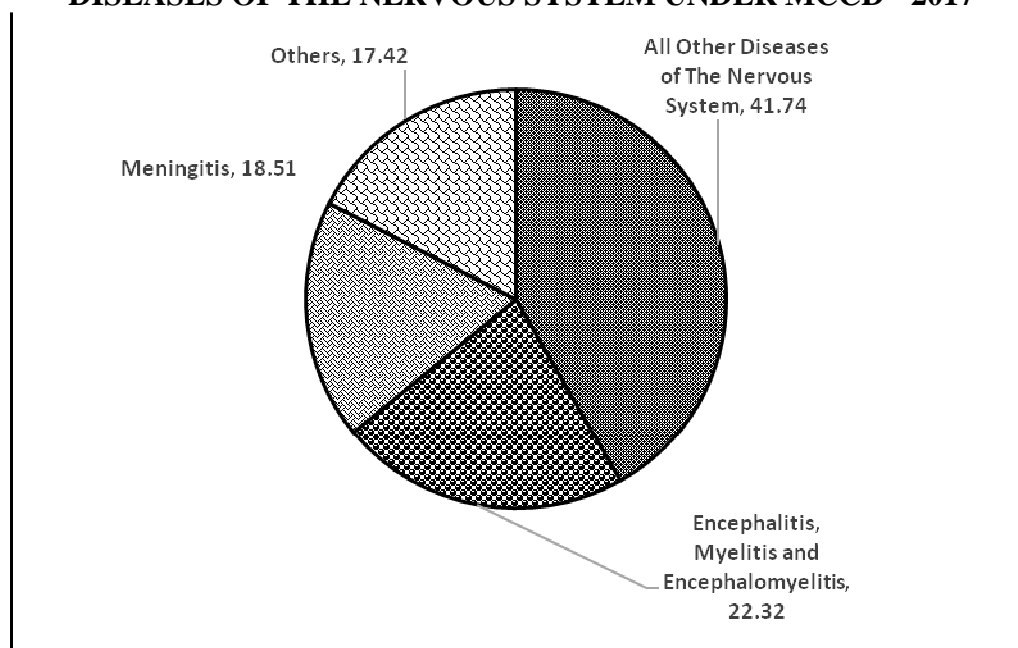
3.15 Diseases of the Nervous System (VI):

The cause group of Diseases of Nervous System is responsible for 2.56 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 – 2017

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	All Other Diseases of The Nervous System	1035	44.55	532	37.18	1567	41.74	1.07
2	Encephalitis, Myelitis and Encephalomyelitis	486	20.92	352	24.60	838	22.32	0.57
3	Meningitis	415	17.86	280	19.57	695	18.51	0.47
4	Others	387	16.66	267	18.66	654	17.42	0.45
Total Medically Certified Deaths due to Diseases of Nervous System		2323	100.00	1431	100.00	3754	100.00	2.56
Deaths due to Diseases of Nervous System as percentage to total Medically Certified Deaths			2.47		2.72		2.56	

Chart – 20
PERCENTAGE DISTRIBUTION OF MAJOR CAUSES OF DEATHS DUE TO DISEASES OF THE NERVOUS SYSTEM UNDER MCCD - 2017



'All other Diseases of the Nervous System' accounts for the maximum (41.74 per cent) deaths reported under this group, followed by *'Encephalitis Myelitis and*

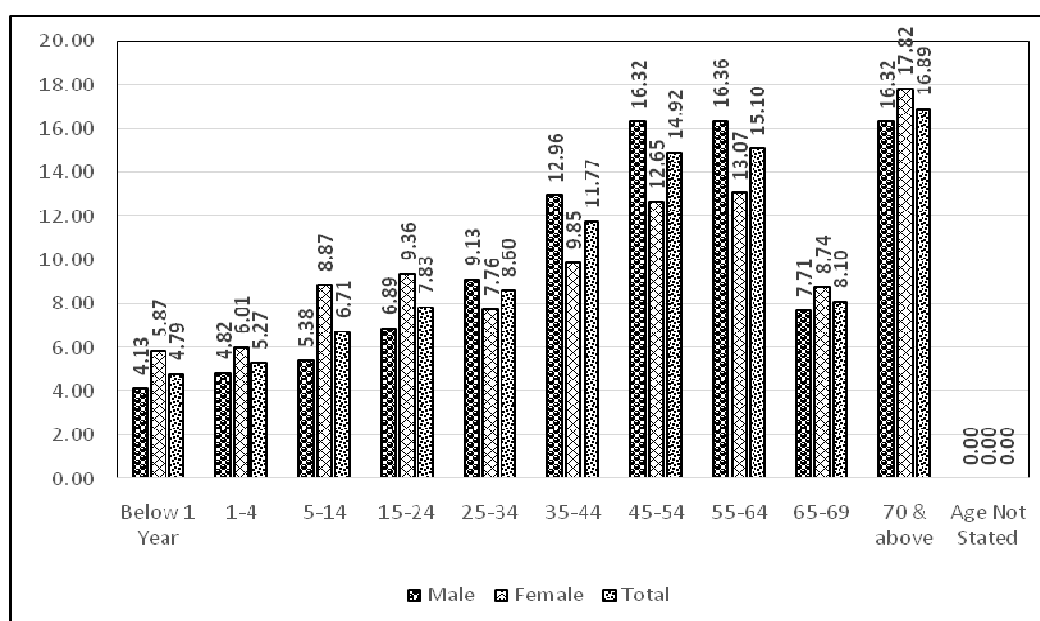
Encephalomyelitis' (22.32 per cent) and *'Meningitis*' (18.51 per cent). The share of *'Meningitis*' in the total medically certified deaths is about 0.47 per cent.

3.15.1 The age group '70 & above' has reported the maximum deaths (16.89 per cent) under the major group *'Diseases of the Nervous System*', this is followed by age groups 55-64 and 45-54 years have 15.10 per cent and 14.92 per cent respectively. Viewed from the angle of age, it affects worstly the age group below 1 year (4.79 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 - 2017

Sl. No	Age Group (In Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	96	4.13	84	5.87	180	4.79
2	1-4	112	4.82	86	6.01	198	5.27
3	5-14	125	5.38	127	8.87	252	6.71
4	15-24	160	6.89	134	9.36	294	7.83
5	25-34	212	9.13	111	7.76	323	8.60
6	35-44	301	12.96	141	9.85	442	11.77
7	45-54	379	16.32	181	12.65	560	14.92
8	55-64	380	16.36	187	13.07	567	15.10
9	65-69	179	7.71	125	8.74	304	8.10
10	70 & above	379	16.32	255	17.82	634	16.89
11	Age Not Stated	0	0.00	0	0.00	0	0.00
Total		2323	100.00	1431	100.00	3754	100.00

Chart- 21
AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF THE NERVOUS SYSTEM UNDER MCCD - 2017



3.16 Symptoms, Signs and Abnormal Clinical & Laboratory Findings, Not elsewhere classified (N.E.C) (XVIII).

This leading major cause group responsible for 2.17 per cent of the total medically certified deaths of which 2.07 per cent of males and 2.35 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-26. “All other Symptoms, Signs and Abnormal Clinical & Laboratory Findings Not Elsewhere Classified”** accounted for 66.65 per cent of the total deaths in this group.

Statement - 26

Distribution of Deaths due to Symptoms Signs and Abnormal Clinical & Laboratory Findings not Elsewhere Classified Under MCCD-2017

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	1384	71.16	734	59.53	2118	66.65	1.44
2	Senility	390	20.05	400	32.44	790	24.86	0.54
3	Others	171	8.79	99	8.03	270	8.50	0.18
	Total medically Certified Deaths due to Symptoms Signs and Abnormal Clinical & Laboratory Findings not elsewhere classified	1945	100.00	1233	100.00	3178	100.00	2.17
	Deaths due to Diseases of Symptoms Signs and Abnormal Clinical & Laboratory Findings not elsewhere classified as percentage to total medically certified deaths		2.07		2.35		2.17	

3.16.1 As shown in the **Statement-27** the highest incidence of deaths (46.19 per cent) is reported for the age group 70 years and above. The age group “45 years and above” contributed nearly 79.80 per cent of total mortality reported under this cause group.

Statement – 27

Age Distribution of Deaths due to Symptoms Signs and Abnormal Clinical & Laboratory Findings not elsewhere classified Under MCCD -2017

Sl. No	Age Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	0	0.00	0	0.00	0	0.00
2	1-4	13	0.67	6	0.49	19	0.60
3	5-14	27	1.39	17	1.38	44	1.38
4	15-24	58	2.98	30	2.43	88	2.77
5	25-34	115	5.91	59	4.79	174	5.48
6	35-44	243	12.49	74	6.00	317	9.97
7	45-54	286	14.70	136	11.03	422	13.28
8	55-64	270	13.88	133	10.79	403	12.68
9	65-69	166	8.53	77	6.24	243	7.65
10	70 & above	767	39.43	701	56.85	1468	46.19
11	Age Not Stated	0	0.00	0	0.00	0	0.00
Total		1945	100.00	1233	100.00	3178	100.00

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 1.96 per cent of the total medically certified deaths. This cause group accounts for 1.60 per cent of total male and 2.59 per cent of total female medically certified deaths. “*Other Anaemias*” is the major cause constitutes around 84.18 per cent of total deaths reported in the cause group and 1.65 per cent of the total medically certified deaths. The distribution of major causes of deaths under this group is presented in **Statement-28**.

Statement-28

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-2017

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Other Anaemias	1233	81.93	1182	86.66	2415	84.18	1.65
2	All other Diseases of Blood & Blood forming organs	239	15.88	162	11.88	401	13.98	0.27
3	Others	33	2.19	20	1.47	53	1.85	0.04
Total medically Certified Deaths due to Blood and Blood forming organs and Immunity Mechanism		1505	100.00	1364	100.00	2869	100.00	1.96
Deaths due to Diseases of Blood and Blood forming organs and Immunity Mechanism as percentage to total medically certified deaths			1.60		2.59		1.96	

3.18 Congenital Malformations, Deformations and Chromosomal Abnormalities (XVII)

Merely 2267 deaths are reportedly caused by '*Congenital Malformations, deformations and Chromosomal abnormalities*', constituting about 1.55 per cent of the total medically certified deaths. The majority of these deaths occur for age less than one year (1549 or 68.33 per cent). Under this cause group, about 67.49 per cent deaths are caused by malformation of various Circulatory System. The distribution of major causes of death under this group is presented in **Statement – 29**.

Statement – 29

Distribution of Deaths due to 'Congenital Malformations, Deformations and Chromosomal Abnormalities' under MCCD – 2017

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	12	0	12	0.53
2	Congenital Malformations of the Circulatory System	1108	422	1530	67.49
3	Cleft Lip and Cleft Palate	0	0	0	0.00
4	All other Congenital Malformations, Deformations & Chromosomal Abnormalities	429	296	725	31.98
Total		1549	718	2267	
Percentage to Total		68.33	31.67	100.00	

3.19 Diseases of the Skin and Subcutaneous Tissue (XII)

These diseases account for 942 medically certified deaths (0.64 per cent of the total medically certified deaths). This cause group accounts for 0.67 per cent of total male and 0.60 per cent of total female medically certified deaths. About 83.44 per cent of the deaths under the cause group are caused by *'Infections of the Skin and Subcutaneous Tissue'* (786 deaths).

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

The group consisting of *'Complications of Pregnancy, Childbirth and the Puerperium'* has reportedly caused 433 deaths (0.82 per cent of the total female medically certified deaths). As high as 95.38 per cent of deaths under this cause group have been due to obstetric causes like *'Other Complications of Pregnancy and Delivery, 'Complications Pre-dominantly Related to the Puerperium', 'Oedema, Proteinuria and hypertensive disorders in Pregnancy, Child Birth and Puerperium'* and some other related complications. The remaining 4.62 per cent deaths in this cause group are due to abortive outcome of Pregnancy such as Medical and Spontaneous Abortions and other obstetric conditions.

Statement – 30

Distribution of Deaths due to "Complication of Pregnancy, Childbirth and the Puerperium "under MCCD – 2017

Sl. No	Cause of Death	No.	%	% to total female Medically Certified Deaths
1	Other Direct Obstetric Deaths	413	95.38	1.12
2	Pregnancy with Abortive Outcome	15	3.46	0.08
3	Other Obstetric Conditions, Not elsewhere classified	5	1.15	0.02
Total Medically Certified Deaths due to Complication of Pregnancy, Childbirth and Puerperium		433	100.00	1.21

3.21 Diseases of the Musculoskeletal System and Connective Tissue (XIII)

This has contributed to only 265 deaths i.e. around 0.18 per cent of total medically certified deaths.

3.22 Mental and Behavioural Disorders (V)

The group relating to Mental and Behavioural disorders accounts for 121 deaths (0.08 per cent of total medically certified deaths). The age group 25-64 years constitutes around 77.70 per cent of total deaths due to '*Mental and Behavioural Disorders*'. Under this cause group, the deaths due to '*Mental and Behavioural disorders due to Psychoactive Substance use*' constitutes the highest share (57.02 per cent) of total deaths. The ratio of males to females was disproportionate in this group (96 males to 25 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 – 2017**

Sl No	Cause of Death	Age Group							Total	% to Total
		<15	15-24	25-34	35-44	45-54	55-64	Others		
1	Mental And Behavioural Disorders due to Psychoactive Substance use	0	2	10	15	22	13	7	69	57.02
2	Schizophrenia, Schizotypal & Delusional Disorders	0	0	3	14	8	4	11	40	33.06
3	All Other Mental Behavioural Disorders	0	2	2	0	2	1	5	12	9.92
Total		0	4	15	29	32	18	23	121	100.00
Percentage to total		0	3.3	12.40	23.97	26.45	14.88	19.01	100.00	

3.23 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 8 deaths.

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- fifteenth 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 6.10 per cent and 7.38 per cent respectively. The maximum incidence of death under this age group (80.73 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, and Hypoxia, Birth Asphyxia and other Respiratory Conditions** (84.55 per cent). This is followed by '*Congenital Malformations, Deformations & Chromosomal Abnormalities*' (16.11 per cent) of which *Congenital Malformations of the Circulatory System* (71.53 per cent) is the major constituent. '*Diseases of the Nervous System (G00-G98)*' which contribute to about 1.87 per cent of the total infant deaths, assume third rank, having *Meningitis* (60.55 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**.

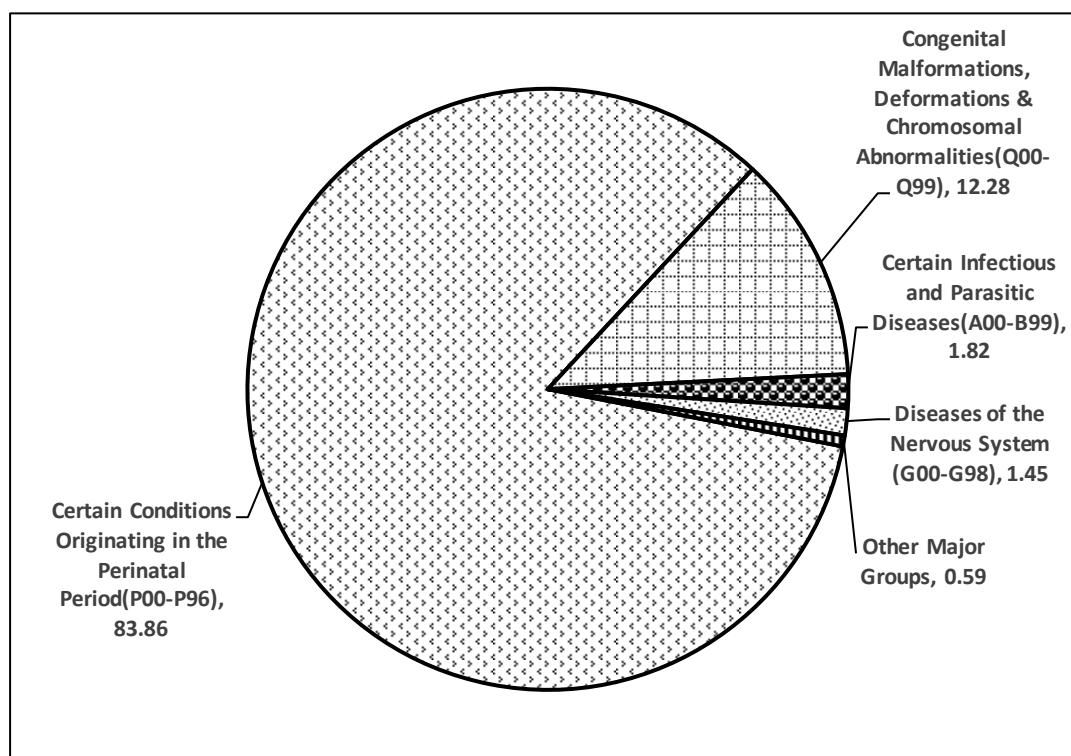
Statement – 32

Distribution of Mortality Among Infants by Major Cause Group - 2017

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Certain Conditions Originating in the Perinatal Period(P00-P96)	4665	81.31	3100	79.88	7765	80.73
2	Congenital Malformations, Deformations & Chromosomal Abnormalities(Q00-Q99)	898	15.65	651	16.77	1549	16.11
3	Diseases of the Nervous System (G00-G98)	96	1.67	84	2.16	180	1.87
4	Certain Infectious and Parasitic Diseases(A00-B99)	65	1.13	44	1.13	109	1.13
5	Other Major Groups	13	0.23	2	0.05	15	0.16
Total Medically Certified Deaths in the age group <1 Year		5737	100.00	3881	100.00	9618	100.00
Deaths in the age group <1 year as percentage to total Medically certified deaths			6.10		7.38		6.56

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, 0.94 per cent has been reported from this age-group, accounting for 0.85 per cent and 1.11 per cent of total male and female medically certified deaths respectively. ***‘Congenital Malformations, Deformations and Chromosomal Abnormalities’*** rank first, constituting 33.07 per cent of total medically certified deaths in the age group under which ***Congenital Malformations of the Circulatory System*** is the leading cause contribute around 54.80 per cent of the deaths in Congenital Abnormalities group. ***‘Certain infectious and Parasitic Diseases’*** is the second leading cause contribute around 19.78 per cent of total medically certified deaths in the age group. ***Other Arthropod Borne Viral Fevers and Viral Haemorrhagic fevers*** (35.04 per cent), ***Septicaemia*** (16.78 per cent), and ***Diarrhoea and Gastro enteritis of Presumed Infectious Origin*** (16.78 per cent) are the major constituents. The third leading cause group of deaths, ***‘Injury, Poisoning and Certain Other Consequences of External Causes (S00-T98)’*** is responsible for 16.17 per cent of deaths in this age group. ***‘Burns and Corrosions’*** have taken about **35.71** 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**.

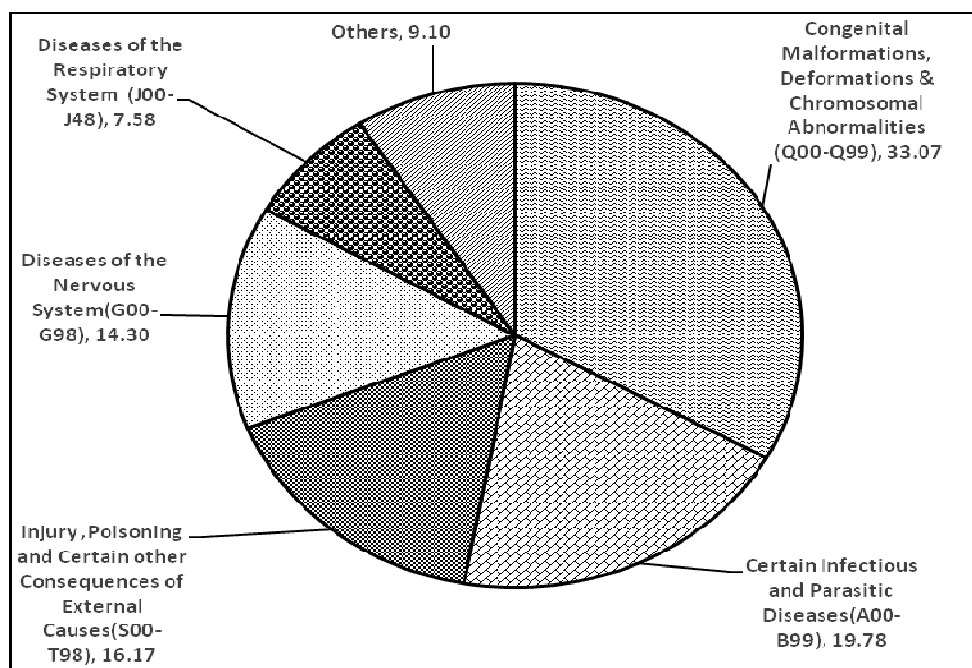
Statement – 33

**Distribution of Mortality among children in the Age Group 1-4 years
by Major Cause Group - 2017**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Congenital Malformations, Deformations & Chromosomal Abnormalities (Q00-Q99)	279	34.88	179	30.60	458	33.07
2	Certain Infectious and Parasitic Diseases(A00-B99)	160	20.00	114	19.49	274	19.78
3	Injury ,Poisoning and Certain other Consequences of External Causes(S00-T98)	128	16.00	96	16.41	224	16.17
4	Diseases of the Nervous System(G00-G98)	112	14.00	86	14.70	198	14.30
5	Diseases of the Respiratory System (J00-J48)	56	7.00	49	8.38	105	7.58
6	Others	65	8.13	61	10.43	126	9.10
Total Medically Certified Deaths in the age group 1-4 Years		800	100.00	585	100.00	1385	100.00
Deaths in the age group 1-4 year as percentage to total Medically certified deaths			0.85		1.11		0.94

CHART -23

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



4.3 Children aged 0-4 year: Of the total medically certified deaths, 7.50 per cent has been reported from this age-group, accounting for 6.95 per cent and 8.50 per cent

of total male and female medically certified deaths respectively. *‘Certain Conditions Originating in the Perinatal Period’* cause 70.57 per cent of deaths among this age group. *Congenital Malformations and Chromosomal Abnormalities* caused 18.24 per cent of deaths followed by *‘Certain infectious and Parasitic Diseases’* 3.48 per cent and *Diseases of Nervous System* 3.44 per cent. Under this age group the distribution of mortality in the age group 0-4 years is by top 6 causes has been given in Statement-34.

Statement – 34
Distribution of Mortality among children in the Age Group 0-4 years
by Major Cause Group - 2017

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Certain Conditions Originating in the Perinatal Period(P00-P96)	4665	71.36	3100	69.41	7765	70.57
2	Congenital Malformations, Deformations & Chromosomal Abnormalities (Q00-Q99)	1177	18.01	830	18.58	2007	18.24
3	Certain Infectious and Parasitic Diseases (A00-B99)	225	3.44	158	3.54	383	3.48
4	Diseases of the Nervous System (G00-G98)	208	3.18	170	3.81	378	3.44
5	Injury ,Poisoning and Certain other Consequences of External Causes (S00-T98)	131	2.00	96	2.15	227	2.06
6	Diseases of the Respiratory System (J00-J48)	61	0.93	50	1.12	111	1.01
7	Others	70	1.07	62	1.39	132	1.20
Total Medically Certified Deaths in the age group 0-4 Years		6537	100.00	4466	100.00	11003	100
Deaths in the age group 0-4 year as percentage to total Medically certified deaths			6.95		8.50		7.50

4.3 Children aged 5-14 years: The share of this age group in the total medically certified deaths is 1.57 per cent, constituting 1.32 per cent and 2.02 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 27.06 per cent followed by *‘Injury, poisoning & Certain Other Consequences of External Causes (18.51 per cent), Diseases of the Nervous System (10.95 per cent), Congenital Malformation, Deformation & Chromosomal Abnormalities (10.56 per cent), Diseases of the Respiratory System (6.86 per cent) and Neoplasm (6.69 per cent).* The Distribution of mortality in the age group 5-14 years, by major cause groups is given in **Statement- 35** and **Chart - 24**.

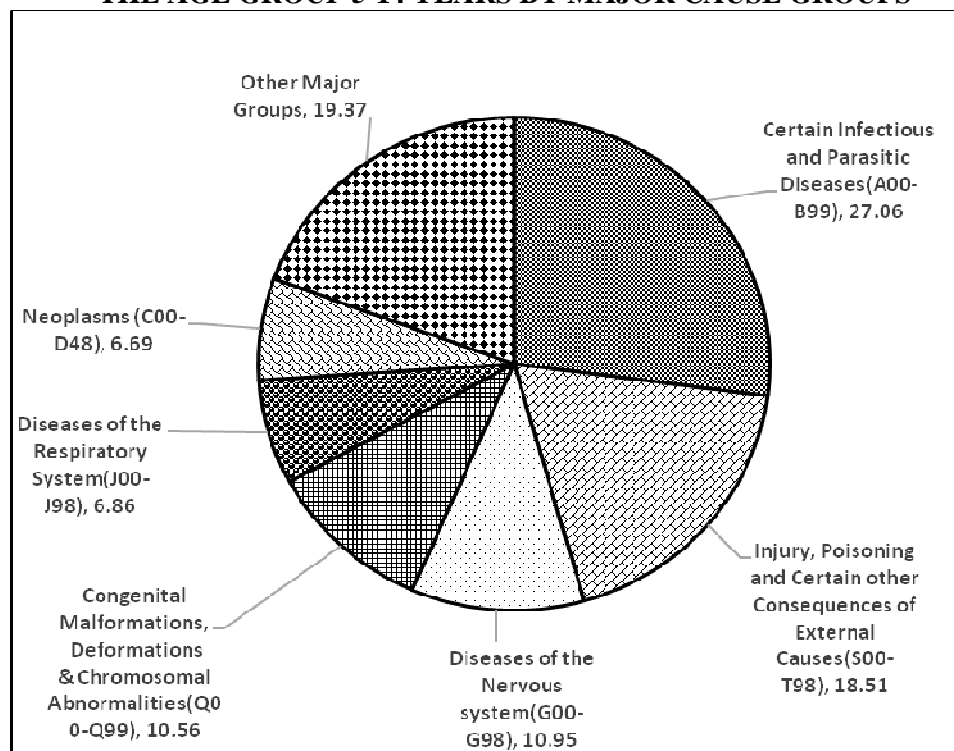
Statement – 35

Distribution of Mortality among children in the Age Group 5-14 years by Major Cause group-2017

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Certain Infectious and Parasitic Diseases(A00-B99)	330	26.66	293	27.54	623	27.06
2	Injury, Poisoning and Certain other Consequences of External Causes(S00-T98)	220	17.77	206	19.36	426	18.51
3	Diseases of the Nervous system(G00-G98)	125	10.10	127	11.94	252	10.95
4	Congenital Malformations, Deformations & Chromosomal Abnormalities(Q00-Q99)	149	12.04	94	8.83	243	10.56
5	Diseases of the Respiratory System(J00-J98)	85	6.87	73	6.86	158	6.86
6	Neoplasms (C00-D48)	89	7.19	65	6.11	154	6.69
7	Other Major Groups	240	19.39	206	19.36	446	19.37
Total Medically Certified Deaths in the age group 5-14 Year		1238	100.00	1064	100.00	2302	100.00
Deaths in the age group 5-14 year as percentage to total Medically certified deaths			1.32		2.02		1.57

CHART – 24

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



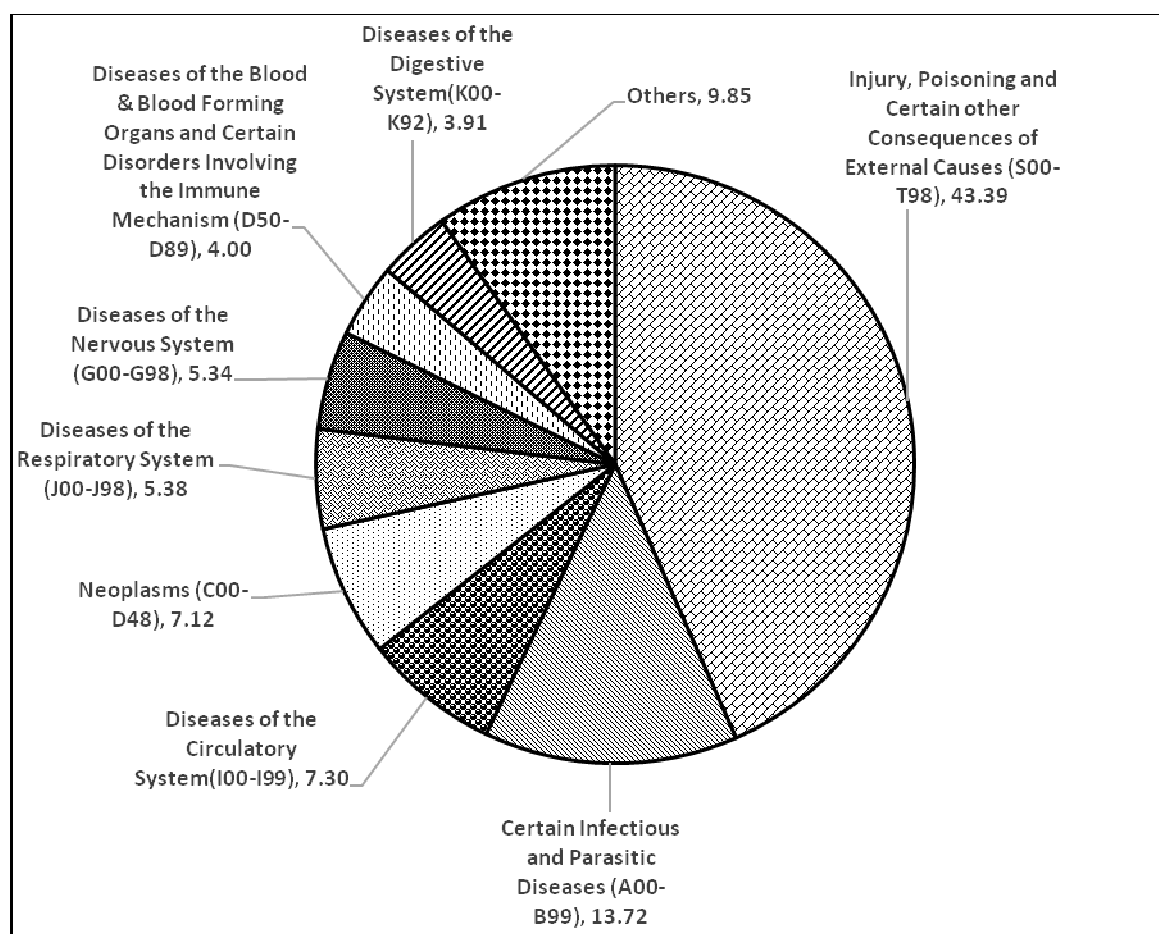
4.4 Persons aged 15-24 years: This age-group has contributed to 3.75 per cent of the total medically certified deaths and the share of male and female deaths to the corresponding total being 3.22 per cent and 4.71 per cent respectively. The category consisting of *“Injury, Poisoning & certain other consequences of External causes”* has caused the maximum deaths 43.39 per cent of total deaths reported under this age group. *“Certain Infectious and Parasitic Diseases”*, *“Diseases of the Circulatory System”*, *“Neoplasms”* and *“Diseases of the Respiratory System”* are other leading causes of deaths, accounting for 13.72 per cent, 7.30 per cent, 7.12 per cent and 5.38 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 – 36** and **Chart-25**.

Statement – 36

Distribution of Mortality among persons in the Age Group 15-24 years by Major Cause Groups -2017

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Injury, Poisoning and Certain other Consequences of External Causes (S00-T98)	1458	48.15	930	37.56	2388	43.39
2	Certain Infectious and Parasitic Diseases (A00-B99)	373	12.32	382	15.43	755	13.72
3	Diseases of the Circulatory System(I00-I99)	225	7.43	177	7.15	402	7.30
4	Neoplasms (C00-D48)	247	8.16	145	5.86	392	7.12
5	Diseases of the Respiratory System (J00-J98)	170	5.61	126	5.09	296	5.38
6	Diseases of the Nervous System (G00-G98)	160	5.28	134	5.41	294	5.34
7	Diseases of the Blood & Blood Forming Organs and Certain Disorders Involving the Immune Mechanism (D50-D89)	75	2.48	145	5.86	220	4.00
8	Diseases of the Digestive System(K00-K92)	127	4.19	88	3.55	215	3.91
9	Others	193	6.37	349	14.10	542	9.85
Total Medically Certified Deaths in the age group 15-24 Year		3028	100.00	2476	100.00	5504	100.00
Deaths in the age group 15-24 year as percentage to total Medically certified deaths			3.22		4.71		3.75

Chart – 25
PERCENTAGE DISTRIBUTION OF MORTALITY AMONG PERSONS IN
THE AGE GROUP 15-24 YEARS BY MAJOR CAUSE GROUPS

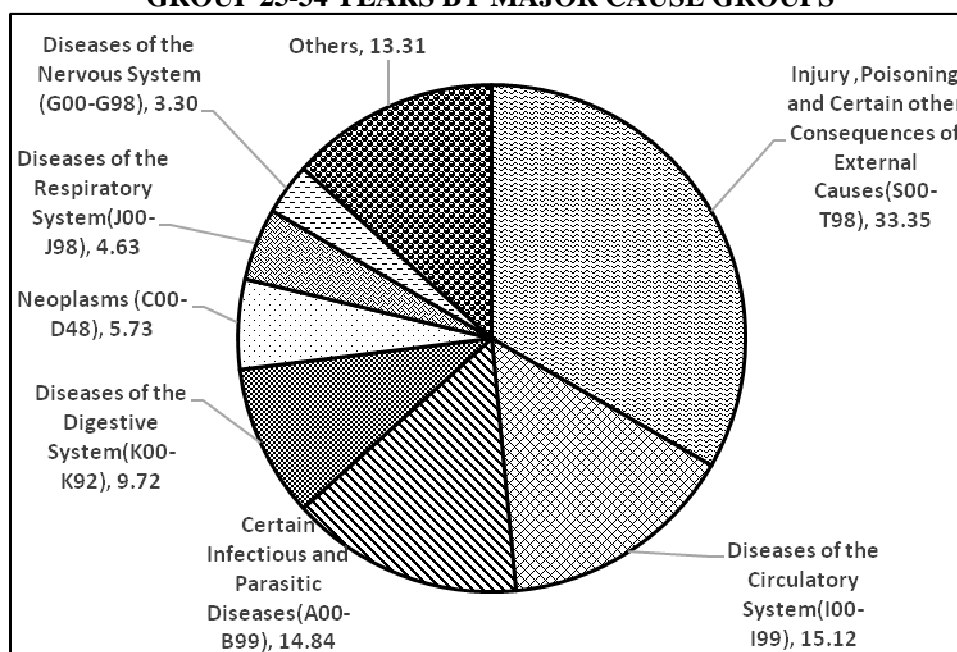


4.5 Persons aged 25-34 years: This age group has constituted around 6.68 per cent of total medically certified deaths. Around every fifteenth medically certified death belongs to this age-group, with 6.72 per cent and 6.60 per cent of total male and female medically certified deaths respectively. A significant percentage of deaths have been reported due to *'Injury, Poisoning & certain other consequences of External Causes'* (33.35 per cent). The two other major determinants of deaths are *'Diseases of the Circulatory System'* (15.12 per cent) and *'Certain Infectious and Parasitic Diseases'* (14.84). The Distribution of Mortality in the age group 25-34 years, by major cause groups has been shown in **Statement - 37 & Chart- 26**

Statement – 37
Distribution of Mortality among persons in the Age Group 25-34 years
by Major Cause Groups - 2017

Sl. No	Major Cause Groups	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Injury ,Poisoning and Certain Other Consequences of External Causes(S00-T98)	2278	36.03	988	28.47	3266	33.35
2	Diseases of the Circulatory System(I00-I99)	942	14.90	539	15.53	1481	15.12
3	Certain Infectious and Parasitic Diseases(A00-B99)	867	13.71	586	16.89	1453	14.84
4	Diseases of the Digestive System(K00-K92)	798	12.62	154	4.44	952	9.72
6	Neoplasms (C00-D48)	322	5.09	239	6.89	561	5.73
5	Diseases of the Respiratory System(J00-J98)	284	4.49	169	4.87	453	4.63
7	Diseases of the Nervous System (G00-G98)	212	3.35	111	3.20	323	3.30
8	Others	619	9.79	684	19.71	1303	13.31
Total Medically Certified Deaths in the age group 25-34 Year		6322	100.00	3470	100.00	9792	100.00
Deaths in the age group 25-34 year as percentage to total Medically certified deaths			6.72		6.60		6.68

Chart -26
PERCENTAGE DISTRIBUTION OF MORTALITY AMONG PERSONS IN THE AGE GROUP 25-34 YEARS BY MAJOR CAUSE GROUPS



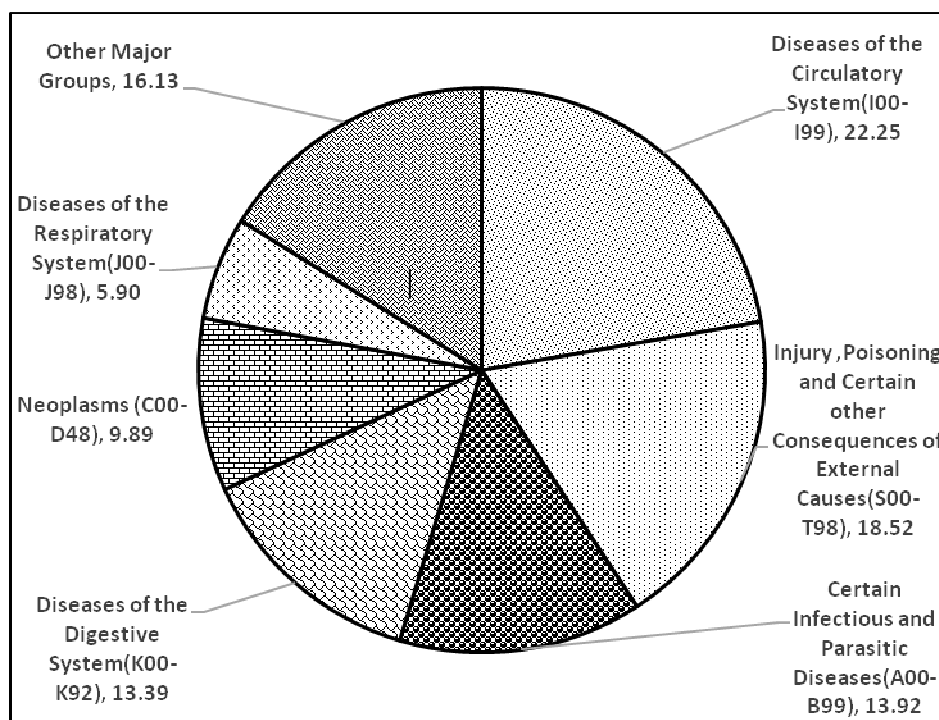
4.6 Persons aged 35-44 years : The overall contribution of this age-group in total medically certified deaths is 9.99 per cent, accounting for 10.89 per cent for male and 8.37 per cent of female deaths. *‘Diseases of the Circulatory System (22.25 per cent)’*, *‘Injury Poisoning and Certain Other Consequences of External Causes (18.52 per cent)’*, *‘Certain Infectious and Parasitic Diseases (13.92 per cent)’*, *‘Diseases of Digestive System (13.39 per cent)’*, *‘Neoplasms (9.89 per cent)’* and *‘Diseases of Respiratory System (5.90 per cent)’* are leading cause groups of deaths together contributing around 83.87 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-38** and **Chart-27**.

Statement -38
Distribution of Mortality among persons in the Age Group 35-44 years
by Major Cause Groups – 2017

Sl. No	Major Cause Groups	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	2282	22.26	977	22.20	3259	22.25
2	Injury ,Poisoning and Certain other Consequences of External Causes(S00-T98)	1955	19.07	758	17.23	2713	18.52
3	Certain Infectious and Parasitic Diseases(A00-B99)	1418	13.83	621	14.11	2039	13.92
4	Diseases of the Digestive System(K00-K92)	1717	16.75	245	5.57	1962	13.39
5	Neoplasms (C00-D48)	771	7.52	678	15.41	1449	9.89
6	Diseases of the Respiratory System(J00-J98)	560	5.46	305	6.93	865	5.90
7	Other Major Groups	1547	15.09	816	18.55	2363	16.13
Total Medically Certified Deaths in the age group 35-44 Years		10250	100.00	4400	100.00	14650	100.00
Deaths in the age group 35-44 year as percentage to total Medically certified deaths			10.89		8.37		9.99

Chart – 27

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

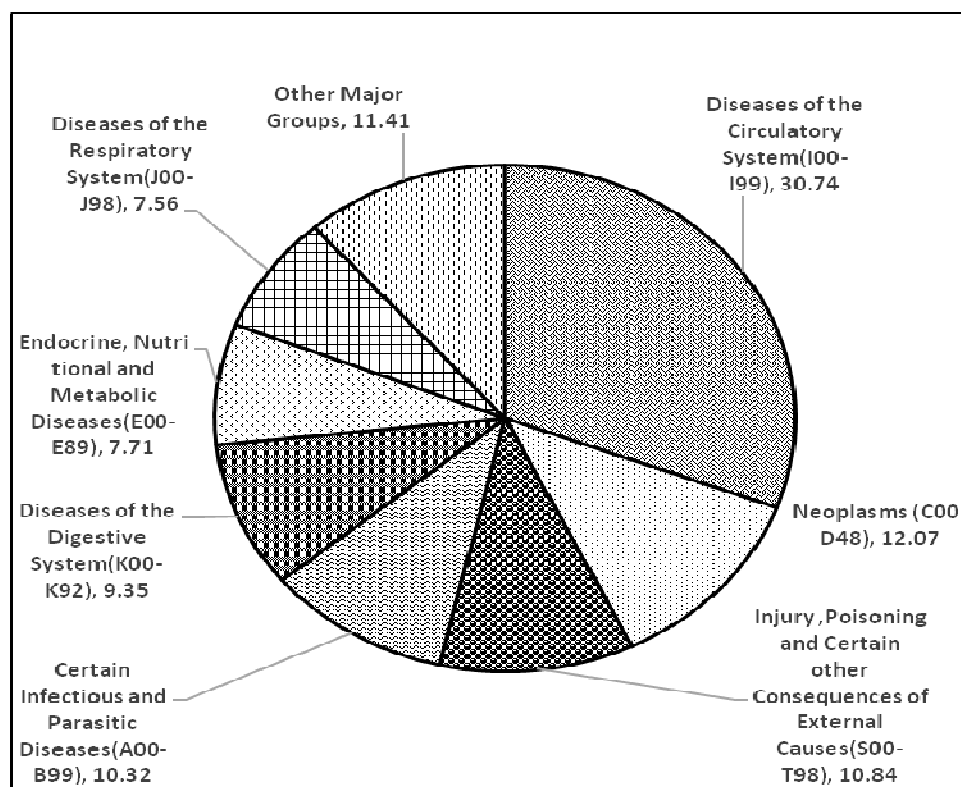


4.7 Persons aged 45-54 years: This age group has contributed to 16.87 per cent of the total medically certified deaths, constituting 18.08 per cent and 14.72 per cent of total male and female medically certified deaths respectively. The prominent causes of mortality in this age group are '*Diseases of Circulatory System*' (30.74 per cent), '*Neoplasms*' (12.07 per cent), '*Injury, Poisoning & Certain other consequences of External Causes*' (10.84 per cent), '*Certain, Infectious and Parasitic Diseases*' (10.32 per cent), '*Diseases of the Digestive System*' (9.35 per cent) and '*Endocrine, Nutritional and Metabolic Diseases*' (7.71 per cent) and '*Diseases of the Respiratory System*' (7.56 per cent) which together contribute around 88.59 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-39** and **Chart -28**.

Statement – 39
Distribution of Mortality among persons in the Age Group 45-54 years
by Major Cause Groups - 2017

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	5227	30.72	2381	30.77	7608	30.74
2	Neoplasms (C00-D48)	1645	9.67	1343	17.35	2988	12.07
3	Injury ,Poisoning and Certain other Consequences of External Causes(S00-T98)	2019	11.87	664	8.58	2683	10.84
4	Certain Infectious and Parasitic Diseases(A00-B99)	1766	10.38	789	10.20	2555	10.32
5	Diseases of the Digestive System(K00-K92)	1965	11.55	350	4.52	2315	9.35
6	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	1247	7.33	661	8.54	1908	7.71
7	Diseases of the Respiratory System(J00-J98)	1324	7.78	548	7.08	1872	7.56
	Other Major Groups	1820	10.70	1003	12.96	2823	11.41
Total Medically Certified Deaths in the age group 45-54 Years		17013	100.00	7739	100.00	24752	100.00
Deaths in the age group 45-54 year as percentage to total Medically certified deaths			18.08		14.72		16.87

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 19.00 per cent in the total medically certified deaths, accounting for 19.65 per cent and 17.85 per cent of total male and female medically certified deaths respectively. *‘Diseases of the Circulatory System’* have contributed to the maximum number (38.29 per cent) of total deaths in this age-group, followed by *Neoplasms (10.47 per cent)*, *‘Diseases of the Respiratory System (9.52 per cent)* and *‘Certain Infectious and Parasitic Diseases (8.62 per cent)*. In *Diseases of the Circulatory System deaths “Ischaemic Heart Diseases”* have taken the highest toll contributing around 34.62 per cent of total deaths. Under the cause group *Neoplasm* two major constituents i.e., *Malignant Neoplasm of Digestive organs* and *Malignant Neoplasms of Genito urinary Organs, together* accounting for 45.54 per cent. *‘Diseases of the Respiratory System’* is responsible for 9.52 per cent of the total deaths under this age group has two major causes constitutes i.e., *Pneumonia and Asthma*, together accounting for 24.29 per cent of total Respiratory system deaths. *‘Certain Infectious and Parasitic Diseases, the Respiratory Tuberculosis* constitutes 35.77 per cent (Ref Table-2). The distribution of mortality in the age group 55-64 years by major cause group has been highlighted in the **Statement-40** and **Chart – 29**.

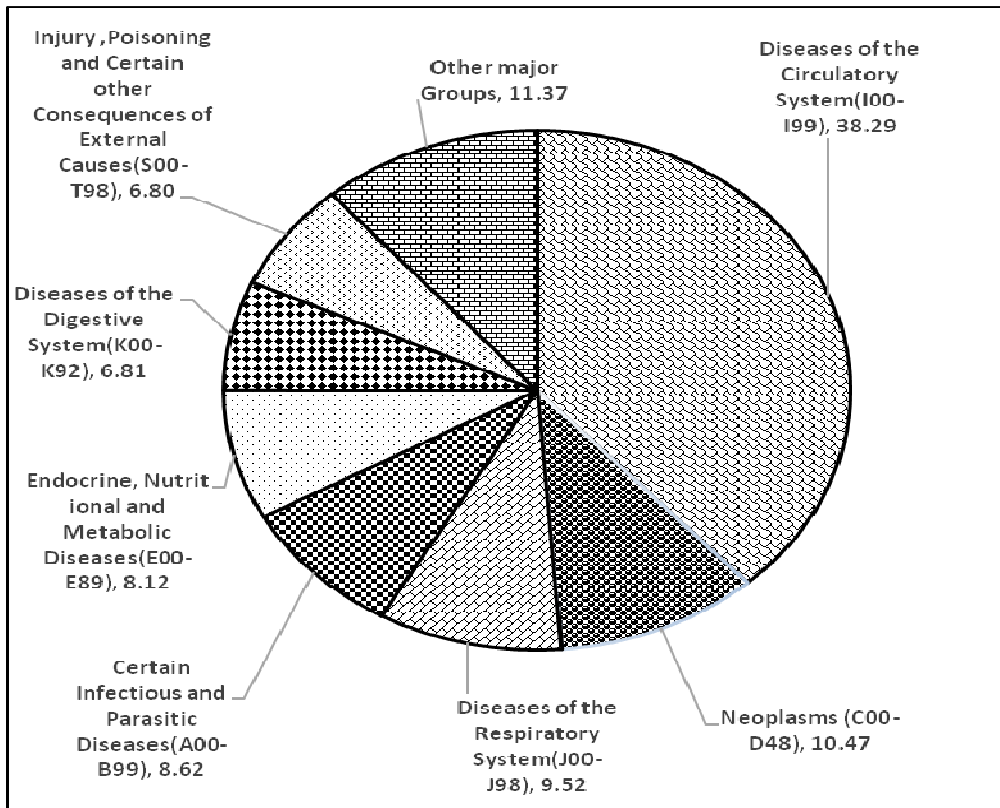
Statement - 40

Distribution of Mortality among persons in the Age Group 55-64 years by Major Cause Groups - 2017

Sl.No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	6996	37.83	3677	39.18	10673	38.29
2	Neoplasms (C00-D48)	1648	8.91	1270	13.53	2918	10.47
3	Diseases of the Respiratory System(J00-J98)	1843	9.97	812	8.65	2655	9.52
4	Certain Infectious and Parasitic Diseases(A00-B99)	1617	8.74	787	8.39	2404	8.62
5	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	1300	7.03	964	10.27	2264	8.12
6	Diseases of the Digestive System(K00-K92)	1531	8.28	367	3.91	1898	6.81
7	Injury ,Poisoning and Certain other Consequences of External Causes(S00-T98)	1447	7.83	448	4.77	1895	6.80
	Other major Groups	2110	11.41	1059	11.29	3169	11.37
	Total Medically Certified Deaths in the age group 55-64 Years	18492	100.00	9384	100.00	27876	100.00
	Deaths in the age group 55-64 year as percentage to total Medically certified deaths		19.65		17.85		19.00

Chart – 29

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

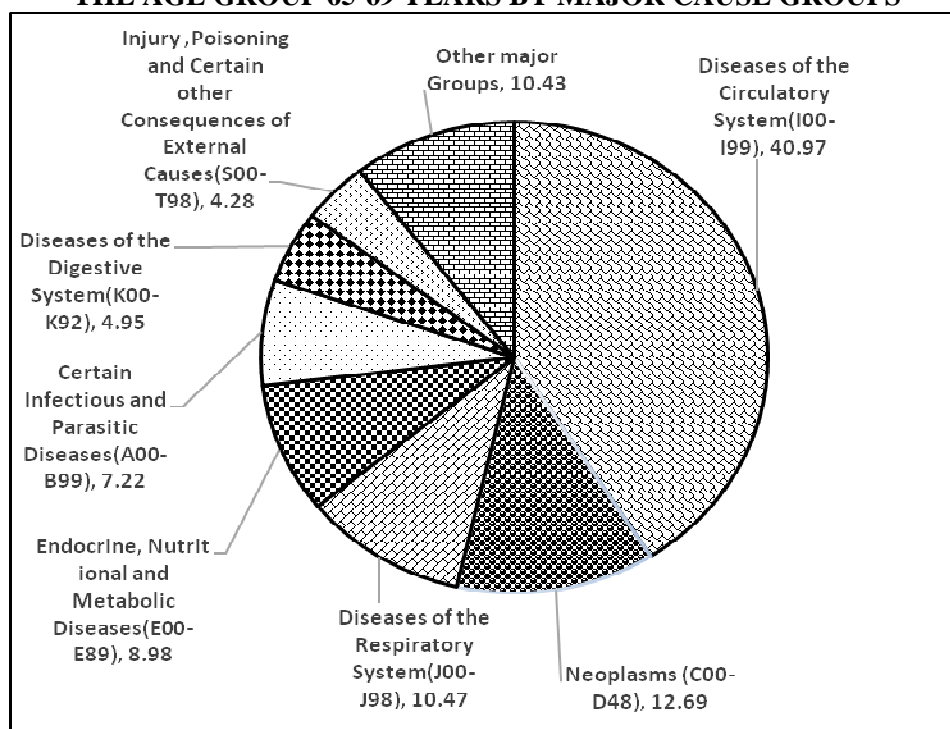


4.9 Persons aged 65-69 years: The share of this age group in total medically certified deaths is 11.41 per cent, constituting 11.53 per cent and 11.20 per cent of total male and female medically certified deaths respectively. In this age group, *'Diseases of the Circulatory System'* alone constitute the highest number of deaths (40.97 per cent). *'Ischaemic Heart Diseases'* constitute the highest share around 40.40 per cent of circulatory system deaths under this age group. The second leading cause group of death in this age group is *'Neoplasm'* with the share of 12.69 per cent. Under this cause group *'Malignant Neoplasm of Digestive Organs'* is the main cause alone contribute 36.31 per cent of the deaths. *'Diseases of the Respiratory System'* is the third leading cause of death with 10.47 per cent of total deaths under this age group *'Other Lower Respiratory Disorders'* and *'Pneumonia'* are being the major constituents with the shares of 43.77 per cent and 18.77 per cent of this cause group respectively. *'Endocrine, Nutritional & Metabolic Diseases'* rank 4th with 8.98 per cent of the total deaths. Under this cause group *'Diabetes Mellitus'* alone contribute 91.34 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-41** and **Chart-30**.

Statement -41
Distribution of Mortality among persons in the Age Group 65-69 years by
Major Cause Groups - 2017

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	4374	40.32	2483	42.18	6857	40.97
2	Neoplasms (C00-D48)	1337	12.32	786	13.35	2123	12.69
3	Diseases of the Respiratory System(J00-J98)	1148	10.58	604	10.26	1752	10.47
4	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	911	8.40	591	10.04	1502	8.98
5	Certain Infectious and Parasitic Diseases(A00-B99)	818	7.54	391	6.64	1209	7.22
6	Diseases of the Digestive System(K00-K92)	624	5.75	205	3.48	829	4.95
7	Injury ,Poisoning and Certain other Consequences of External Causes(S00-T98)	529	4.88	188	3.19	717	4.28
	Other major Groups	1107	10.20	639	10.85	1746	10.43
	Total Medically Certified Deaths in the age group 55-64 Years	10848	100.00	5887	100.00	16735	100.00
	Deaths in the age group 55-64 year as percentage to total Medically certified deaths		11.53		11.20		11.41

Chart - 30
PERCENTAGE DISTRIBUTION OF MORTALITY AMONG PERSONS IN
THE AGE GROUP 65-69 YEARS BY MAJOR CAUSE GROUPS



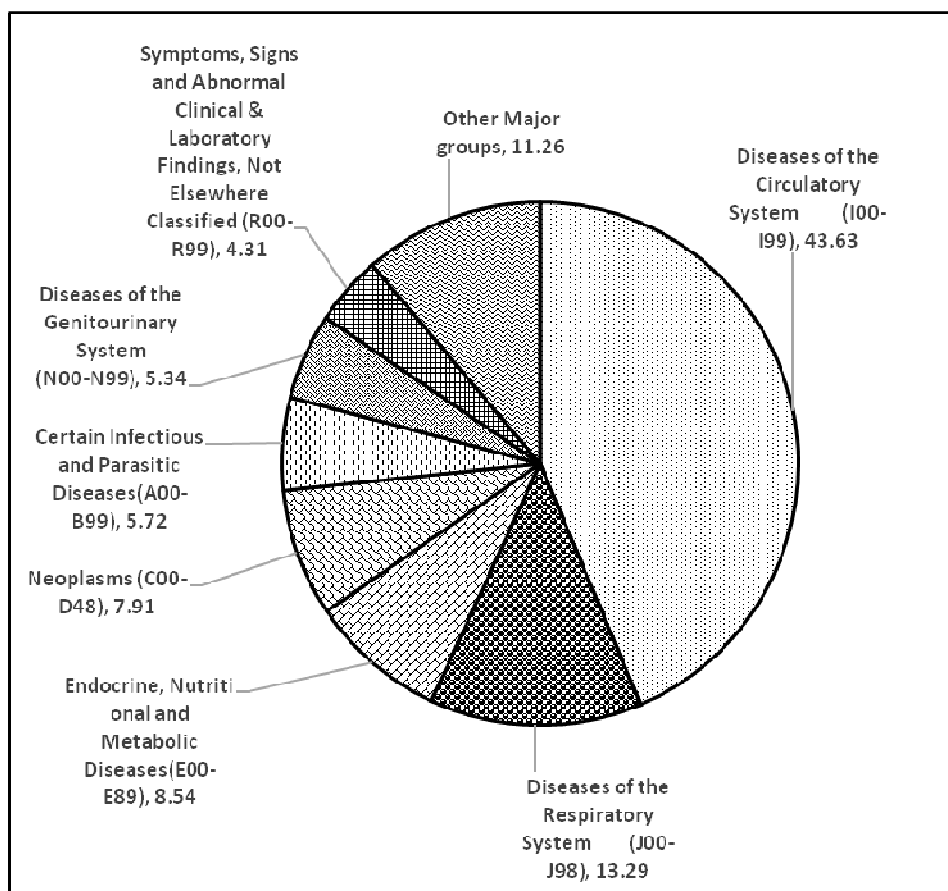
4.10 Old aged Persons 70 years and above: This age group, as expected, has reported the maximum incidence (23.23 per cent) of total medically certified deaths. As high as 21.67 per cent and 26.03 per cent of total male and female medically certified deaths respectively have been reported from this age group. In this age group *'Diseases of the Circulatory System'* alone contribute 43.63 per cent of deaths. *Ischaemic Heart Diseases* constitute maximum number (36.31 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 13.29 per cent of total deaths under this age group *'Other Lower Respiratory Disorders'* and *'All other diseases of the Respiratory System'* are the major constituents of Diseases of Respiratory system with the shares of 54.27 per cent and 17.57 per cent respectively. With the share of 8.54 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 88.86 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-42 & Chart-31**.

Statement -42
Distribution of Mortality among Old aged persons (70 and above years)
by Major Cause Groups - 2017

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System (I00-I99)	8501	41.69	6368	46.54	14869	43.63
2	Diseases of the Respiratory System (J00-J98)	2979	14.61	1550	11.33	4529	13.29
3	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	1614	7.91	1295	9.46	2909	8.54
4	Neoplasms (C00-D48)	1681	8.24	1013	7.40	2694	7.91
5	Certain Infectious and Parasitic Diseases(A00-B99)	1266	6.21	684	5.00	1950	5.72
6	Diseases of the Genitourinary System (N00-N99)	1159	5.68	661	4.83	1820	5.34
7	Symptoms, Signs and Abnormal Clinical & Laboratory Findings, Not Elsewhere Classified (R00-R99)	767	3.76	701	5.12	1468	4.31
Other Major groups		2425	11.89	1412	10.32	3837	11.26
Total Medically Certified Deaths in the age group 70 and above Years		20392	100.00	13684	100.00	34076	100.00
Deaths in the age group 70 and above years as percentage to total Medically certified deaths			21.67		26.03		23.23

CHART – 31

PERCENTAGE DISTRIBUTION OF MORTALITY AMONG OLD AGED PERSONS (70 AND ABOVE YEARS) BY MAJOR CAUSE GROUPS



Statement-43

Distribution of Medically Certified Deaths by Sex and Major Cause Groups during - 2017

Sl. No	Major Cause Group	Male	Female	Total	% to total Medically Certified Deaths
1	Certain Infectious and Parasitic Diseases(A00-B99)	8680	4691	13371	9.12
2	Neoplasms (C00-D48)	7761	5565	13326	9.08
3	Diseases of the Blood & Blood forming Organs and Certain disorders Involving the Immune Mechanism (D50-D89)	1505	1364	2869	1.96
4	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	5656	3873	9529	6.50
5	Mental and Behavioural Disorders (F01-F99)	96	25	121	0.08
6	Diseases of the Nervous System (G00-G98)	2323	1431	3754	2.56
7	Diseases of the Eye and Adnexa (H00-H59)	6	1	7	0.00
8	Diseases of the Ear and Mastoid Process (H60-H95)	1	0	1	0.00
9	Diseases of the Circulatory System (I00-I99)	28634	16661	45295	30.88
10	Diseases of the Respiratory System (J00-J98)	8454	4237	12691	8.65
11	Diseases of the Digestive System (K00-K92)	7705	1833	9538	6.50
12	Diseases of the Skin and Subcutaneous Tissue (L00-L98)	629	313	942	0.64
13	Diseases of the Musculoskeletal System and Connective Tissue (M00-M99)	162	103	265	0.18
14	Diseases of the Genitourinary System (N00-N99)	3907	2126	6033	4.11
15	Pregnancy, Childbirth and the Puerperium (O00-O99)	0	433	433	0.30
16	Certain Conditions Originating in the Perinatal Period(P00-P96)	4665	3100	7765	5.29
17	Congenital Malformations Deformations & Chromosomal Abnormalities (Q00-Q99)	1336	931	2267	1.55
18	Symptoms, Signs and Abnormal Clinical & Laboratory findings, Not elsewhere Classified (R00-R99)	1945	1233	3178	2.17
19	Injury, Poisoning and Certain other Consequences of External Causes (S00-T98)	10655	4650	15305	10.43
Total		94120	52570	146690	100.00

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 2017

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	65	160	330	373	867	1418	1766	1617	818	1266	0	8680
		Female	44	114	293	382	586	621	789	787	391	684	0	4691
		Total	109	274	623	755	1453	2039	2555	2404	1209	1950	0	13371
2	NEOPLASMS (C00-D48)	Male	5	16	89	247	322	771	1645	1648	1337	1681	0	7761
		Female	1	25	65	145	239	678	1343	1270	786	1013	0	5565
		Total	6	41	154	392	561	1449	2988	2918	2123	2694	0	13326
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	Male	0	21	50	75	138	175	293	257	188	308	0	1505
		Female	0	16	63	145	152	153	255	192	102	286	0	1364
		Total	0	37	113	220	290	328	548	449	290	594	0	2869
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0	5	9	43	149	378	1247	1300	911	1614	0	5656
		Female	0	4	11	38	119	190	661	964	591	1295	0	3873
		Total	0	9	20	81	268	568	1908	2264	1502	2909	0	9529
5	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0	0	0	2	13	26	27	14	7	7	0	96
		Female	0	0	0	2	2	3	5	4	5	4	0	25
		Total	0	0	0	4	15	29	32	18	12	11	0	121
6	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	Male	96	112	125	160	212	301	379	380	179	379	0	2323
		Female	84	86	127	134	111	141	181	187	125	255	0	1431
		Total	180	198	252	294	323	442	560	567	304	634	0	3754
7	DISEASES OF THE EYE AND ADNEXA (H00-H59)	Male	0	0	0	0	0	1	1	2	0	2	0	6
		Female	0	0	0	0	0	0	0	1	0	0	0	1
		Total	0	0	0	0	0	1	1	3	0	2	0	7

TABLE 1: MEDICALLY CERTIFIED DEATHS BY AGE,SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

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	1	0	0	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
		Total	0	0	0	0	0	0	0	0	1	0	0	0
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	Male	0	6	81	225	942	2282	5227	6996	4374	8501	0	28634
		Female	0	1	58	177	539	977	2381	3677	2483	6368	0	16661
		Total	0	7	139	402	1481	3259	7608	10673	6857	14869	0	45295
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	Male	5	56	85	170	284	560	1324	1843	1148	2979	0	8454
		Female	1	49	73	126	169	305	548	812	604	1550	0	4237
		Total	6	105	158	296	453	865	1872	2655	1752	4529	0	12691
11	DISEASES OF THE DIGESTIVE SYSTEM (K00-K92)	Male	0	3	44	127	798	1717	1965	1531	624	896	0	7705
		Female	0	8	27	88	154	245	350	367	205	389	0	1833
		Total	0	11	71	215	952	1962	2315	1898	829	1285	0	9538
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0	0	4	11	25	76	129	149	77	158	0	629
		Female	0	0	8	7	11	23	63	75	44	82	0	313
		Total	0	0	12	18	36	99	192	224	121	240	0	942
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (M00-M99)	Male	0	0	0	6	7	15	38	22	17	57	0	162
		Female	0	0	0	7	4	7	22	26	13	24	0	103
		Total	0	0	0	13	11	22	60	48	30	81	0	265
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0	1	25	63	172	332	667	1015	473	1159	0	3907
		Female	0	1	22	80	118	189	341	441	273	661	0	2126
		Total	0	2	47	143	290	521	1008	1456	746	1820	0	6033

TABLE 1: MEDICALLY CERTIFIED DEATHS BY AGE,SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

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
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	178	219	36	0	0	0	0	0	0
		Total	0	0	0	0	0	0	0	0	0	0	0	0
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	Male	4665	0	0	0	0	0	0	0	0	0	0	4665
		Female	3100	0	0	0	0	0	0	0	0	0	0	3100
		Total	7765	0	0	0	0	0	0	0	0	0	0	7765
17	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES (Q00-Q99)	Male	898	279	149	10	0	0	0	0	0	0	0	1336
		Female	651	179	94	7	0	0	0	0	0	0	0	931
		Total	1549	458	243	17	0	0	0	0	0	0	0	2267
18	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED(R00-R99)	Male	0	13	27	58	115	243	286	270	166	767	0	1945
		Female	0	6	17	30	59	74	136	133	77	701	0	1233
		Total	0	19	44	88	174	317	422	403	243	1468	0	3178
19	INJURY, POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES (S00-T98)	Male	3	128	220	1458	2278	1955	2019	1447	529	618	0	10655
		Female	0	96	206	930	988	758	664	448	188	372	0	4650
		Total	3	224	426	2388	3266	2713	2683	1895	717	990	0	15305
20	EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(V01-Y89)	Male	3	128	220	1458	2278	1955	2019	1447	529	618	0	10655
		Female	0	96	206	930	988	758	664	448	188	372	0	4650
		Total	3	224	426	2388	3266	2713	2683	1895	717	990	0	15305
	ALL CAUSES	MALE	5737	800	1238	3028	6322	10250	17013	18492	10848	20392	0	94120
		FEMALE	3881	585	1064	2476	3470	4400	7739	9384	5887	13684	0	52570
		TOTAL	9618	1385	2302	5504	9792	14650	24752	27876	16735	34076	0	146690

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
I	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	Male	65	160	330	373	867	1418	1766	1617	818	1266	0	8680
		Female	44	114	293	382	586	621	789	787	391	684	0	4691
		Total	109	274	623	755	1453	2039	2555	2404	1209	1950	0	13371
I	INTESTINAL INFECTIOUS DISEASES(A00-A09)	Male	32	31	21	26	23	62	81	113	70	124	0	583
		Female	23	16	15	35	15	34	53	82	47	129	0	449
		Total	55	47	36	61	38	96	134	195	117	253	0	1032
1	CHOLERA(A00)	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	TYPHOID FEVER AND PARATYPHOID FEVERS(A01)	Male	0	0	0	4	0	0	1	8	2	2	0	17
		Female	0	0	0	2	0	2	1	1	2	1	0	9
3	FOOD POISONING(A02,A05)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	1	0	0	0	0	0	0	0	0	0	1
4	SHIGELLOSIS(A03)	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
5	AMOEBIASIS(A06)	Male	1	0	0	3	0	5	1	7	1	4	0	22
		Female	0	0	0	12	0	0	0	3	1	10	0	26
6	DIARRHOEA AND GASTROENTERITIS OF PRESUMED INFECTIOUS ORIGIN(A09)	Male	31	31	21	19	23	57	78	97	67	117	0	541
		Female	23	15	15	21	15	31	52	78	44	118	0	412
7	OTHER INTESTINAL INFECTIOUS DISEASES(A04,A07-A08)	Male	0	0	0	0	0	0	1	1	0	1	0	3
		Female	0	0	0	0	0	0	0	0	0	0	0	0
2	TUBERCULOSIS(A15-A19)	Male	0	14	24	123	454	763	887	783	363	512	0	3923
		Female	3	5	23	140	264	279	292	233	110	149	0	1498
		Total	3	19	47	263	718	1042	1179	1016	473	661	0	5421
1	RESPIRATORY TUBERCULOSIS(A15-A16)	Male	0	14	8	89	376	614	776	686	330	473	0	3366
		Female	0	1	16	107	204	212	252	174	95	126	0	1187

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
2	TUBERCULOSIS OF NERVOUS SYSTEM(A17)	Male	0	0	15	26	49	75	63	38	8	17	0	291
		Female	3	4	5	19	32	32	27	21	5	8	0	156
3	TUBERCULOSIS OF OTHER ORGANS AND MILIARY TUBERCULOSIS(A18-A19)	Male	0	0	1	8	29	74	48	59	25	22	0	266
		Female	0	0	2	14	28	35	13	38	10	15	0	155
3	OTHER BACTERIAL DISEASES(A20-A49)	Male	2	34	68	59	172	297	479	521	303	500	0	2435
		Female	3	22	48	88	137	142	263	312	173	347	0	1535
		Total	5	56	116	147	309	439	742	833	476	847	0	3970
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	4	0	3	1	2	0	10
		Female	0	0	0	0	2	0	0	0	1	1	0	4
3	NEONATAL TETANUS(A33)	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
4	OTHER TETANUS(A34-A35)	Male	0	1	0	1	3	7	16	14	5	4	0	51
		Female	0	0	2	1	2	2	9	12	7	7	0	42
5	DIPHTHERIA(A36)	Male	0	2	22	0	0	0	0	0	0	0	0	24
		Female	0	0	15	0	0	0	0	0	0	0	0	15
6	WHOOPING COUGH(A37)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
7	MENINGOCOCCAL INFECTION(A39)	Male	0	0	0	0	0	1	0	0	0	0	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
8	SEPTICAEMIA(A40-A41)	Male	0	27	46	51	157	264	440	487	293	493	0	2258
		Female	0	19	31	87	132	140	247	291	164	335	0	1446

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
9	ALL OTHER TYPES OF BACTERIAL DISEASES(A21-A28,A31-A32,A38,A42-A49)	Male	0	4	0	7	12	21	23	17	4	1	0	89
		Female	0	3	0	0	1	0	7	9	1	4	0	25
4	INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION(A50-A64)	Male	0	0	0	0	0	0	0	2	0	0	0	2
		Female	0	0	0	0	1	0	0	2	0	0	0	3
		Total	0	0	0	0	1	0	0	4	0	0	0	5
1	SYPHILIS(A50-A53)	Male	0	0	0	0	0	0	0	2	0	0	0	2
		Female	0	0	0	0	0	0	0	0	0	0	0	0
2	OTHER TYPES OF INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION (A54-A64)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	1	0	0	2	0	0	0	3
5	VIRAL DISEASES(A70-A74 & A80-B34)	Male	31	79	206	152	194	208	255	164	74	118	0	1481
		Female	15	70	201	114	136	123	154	129	50	55	0	1047
		Total	46	149	407	266	330	331	409	293	124	173	0	2528
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	3	11	7	2	4	8	6	1	4	0	46
		Female	0	2	2	1	0	1	0	2	0	2	0	10
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	0	0
4	OTHER VIRAL ENCEPHALITIS(A83.1-A83.9,A84-A86)	Male	3	12	34	19	26	9	18	10	8	6	0	145
		Female	1	7	51	22	17	7	15	12	4	3	0	139
5	DENGUE FEVER(A90)	Male	0	6	18	8	14	9	8	1	1	2	0	67
		Female	0	4	12	2	12	10	9	9	2	0	0	60
6	OTHER ARTHROPOD-BORNE VIRAL FEVERS AND VIRAL HAEMORRHAGIC FEVERS (A91-A94, A96-A99)	Male	12	44	126	83	87	89	95	70	42	80	0	728
		Female	6	52	121	50	64	61	74	76	34	32	0	570

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
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	10	3	3	0	0	0	0	0	0	0	0	16
		Female	4	0	6	0	0	0	0	0	0	0	0	10
9	ACUTE HEPATITIS(B16)	Male	0	0	3	3	3	6	16	19	4	9	0	63
		Female	0	0	0	2	5	3	5	5	3	1	0	24
10	OTHER VIRAL HEPATITIS(B15, B17-B19)	Male	0	9	4	32	17	23	39	26	14	12	0	176
		Female	0	4	8	36	14	14	15	9	4	12	0	116
11	HUMAN IMMUNODEFICIENCY VIRUS [HIV] DISEASE (B20-B24)	Male	0	0	0	0	44	67	68	30	2	4	0	215
		Female	0	0	0	0	22	26	35	14	2	2	0	101
12	ALL OTHER TYPES OF VIRAL DISEASES(A70-A74,A81,A87-A89,A95, B00-B02,B04,B06-B09 & B25-B34)	Male	6	2	7	0	1	1	3	2	2	1	0	25
		Female	4	1	1	1	2	1	1	2	1	3	0	17
6	PROTOZOAL DISEASES(B50-B64)	Male	0	0	5	8	7	11	16	9	2	2	0	60
		Female	0	0	1	3	8	0	3	3	2	1	0	21
		Total	0	0	6	11	15	11	19	12	4	3	0	81
1	MALARIA(B50-B54)	Male	0	0	5	8	7	6	14	9	2	2	0	53
		Female	0	0	1	3	8	0	2	3	1	1	0	19
2	ALL OTHER TYPES OF PROTOZOAL DISEASES(B55-B64)	Male	0	0	0	0	0	5	2	0	0	0	0	7
		Female	0	0	0	0	0	0	1	0	1	0	0	2
7	OTHER CERTAIN INFECTIOUS AND PARASITIC DISEASES & LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES (A65-A69 & A75-A79,B35-B49,B65- B99)	Male	0	2	6	5	17	77	48	25	6	10	0	196
		Female	0	1	5	2	25	43	24	26	9	3	0	138
		Total	0	3	11	7	42	120	72	51	15	13	0	334
1	FILARIASIS(B74)	Male	0	0	0	0	0	0	0	0	0	1	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
2	OTHER HELMINTHIASIS(B65-B73,B75,B77-B83)	Male	0	0	0	0	0	2	0	0	0	0	0	2
		Female	0	0	1	0	0	0	1	2	1	2	0	7
3	OTHER SPIROCHAETAL DISEASES AND RICKETTSIOSES(A65-A69 & A75-A79)	Male	0	0	1	1	0	6	1	0	0	1	0	10
		Female	0	0	0	0	0	4	0	3	2	0	0	9
4	ALL OTHER INFECTIOUS AND PARASITIC DISEASES & LATE EFFECTS OF	Male	0	2	5	4	17	69	47	25	6	8	0	183
	INFECTIOUS AND PARASITIC DISEASES(B35-B49,B65,B76,B85-B99)	Female	0	1	4	2	25	39	23	21	6	1	0	122
II	NEOPLASMS (C00-D48)	Male	5	16	89	247	322	771	1645	1648	1337	1681	0	7761
		Female	1	25	65	145	239	678	1343	1270	786	1013	0	5565
		Total	6	41	154	392	561	1449	2988	2918	2123	2694	0	13326
8	MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX (C00-C14)	Male	0	0	0	6	23	75	206	203	65	126	0	704
		Female	0	0	0	4	9	26	68	74	29	57	0	267
		Total	0	0	0	10	32	101	274	277	94	183	0	971
1	MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX (C00-C14)	Male	0	0	0	6	23	75	206	203	65	126	0	704
		Female	0	0	0	4	9	26	68	74	29	57	0	267
9	MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS (C15-C26)	Male	0	0	0	16	53	227	624	584	585	587	0	2676
		Female	0	0	0	4	45	132	285	338	186	258	0	1248
		Total	0	0	0	20	98	359	909	922	771	845	0	3924
1	MALIGNANT NEOPLASM OF OESOPHAGUS (C15)	Male	0	0	0	0	4	31	102	135	103	100	0	475
		Female	0	0	0	0	4	19	45	53	40	52	0	213
2	MALIGNANT NEOPLASM OF STOMACH (C16)	Male	0	0	0	3	8	32	164	105	139	108	0	559
		Female	0	0	0	2	10	26	52	69	30	34	0	223
3	MALIGNANT NEOPLASMS OF SMALL INTESTINE INCLUDING DUODENUM (C17)	Male	0	0	0	0	0	5	3	4	4	0	0	16
		Female	0	0	0	0	0	2	2	3	5	1	0	13
4	MALIGNANT NEOPLASM OF COLON (C18)	Male	0	0	0	2	22	25	62	72	61	69	0	313
		Female	0	0	0	0	12	12	49	45	35	37	0	190

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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	
5	MALIGNANT NEOPLASMS OF RECTOSIGMOID JUNCTION,RECTUM,ANUS AND ANAL CANAL(C19-C21)	Male	0	0	0	4	8	14	58	31	60	49	0	224	
		Female	0	0	0	1	6	14	40	35	18	34	0	148	
6	MALIGNANT NEOPLASMS OF LIVER AND INTRAHEPATIC BILE DUCTS (C22)	Male	0	0	0	6	3	56	126	127	126	143	0	587	
		Female	0	0	0	1	9	22	36	58	23	49	0	198	
7	MALIGNANT NEOPLASM OF PANCREAS (C25)	Male	0	0	0	0	4	39	63	45	54	55	0	260	
		Female	0	0	0	0	1	30	32	37	18	20	0	138	
8	OTHER MALIGNANT NEOPLASM OF DIGESTIVE ORGANS (C23-C24,C26)	Male	0	0	0	1	4	25	46	65	38	63	0	242	
		Female	0	0	0	0	3	7	29	38	17	31	0	125	
10	MALIGNANT NEOPLASMS OF RESPIRATORY & INTRATHORACIC ORGANS (C30-C39)	Male	0	0	0	6	14	89	258	292	242	283	0	1184	
		Female	0	0	0	5	11	33	120	115	73	122	0	479	
		Total	0	0	0	11	25	122	378	407	315	405	0	1663	
1	MALIGNANT NEOPLASM OF LARYNX (C32)	Male	0	0	0	0	1	13	27	31	48	51	0	171	
		Female	0	0	0	0	1	3	5	1	4	8	0	22	
2	MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS AND LUNG (C33-C34)	Male	0	0	0	5	13	72	227	253	191	228	0	989	
		Female	0	0	0	5	7	25	107	100	64	105	0	413	
3	OTHER MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS(C30-C31,C37-C39)	Male	0	0	0	1	0	4	4	8	3	4	0	24	
		Female	0	0	0	0	3	5	8	14	5	9	0	44	
11	MALIGNANT NEOPLASMS OF BONE,MESOTHELIAL AND SOFT TISSUE,SKIN AND BREAST(C40-C50)	Male	0	0	2	18	5	32	33	38	19	23	0	170	
		Female	0	0	2	12	44	123	257	200	115	144	0	897	
		Total	0	0	4	30	49	155	290	238	134	167	0	1067	
1	MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE (C40-C41)	Male	0	0	2	16	5	21	8	13	7	6	0	78	
		Female	0	0	1	11	1	12	3	17	6	5	0	56	
2	MALIGNANT MELANOMA OF SKIN (C43)	Male	0	0	0	0	0	0	0	1	0	0	0	1	
		Female	0	0	0	1	0	0	1	2	1	0	0	5	
3	OTHER MALIGNANT NEOPLASM OF SKIN (C44)	Male	0	0	0	0	0	0	0	2	0	3	0	5	
		Female	0	0	0	0	0	1	0	0	0	2	0	3	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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	MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE (C45-C49)	Male	0	0	0	2	0	11	25	22	12	14	0	86
		Female	0	0	1	0	2	11	23	18	8	25	0	88
5	MALIGNANT NEOPLASM OF BREAST (C50)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	41	99	230	163	100	112	0	745
12	MALIGNANT NEOPLASMS OF GENITOURINARY ORGANS(C51-C68)	Male	0	0	0	2	4	29	115	135	109	267	0	661
		Female	0	0	0	13	21	147	364	272	210	211	0	1238
		Total	0	0	0	15	25	176	479	407	319	478	0	1899
1	MALIGNANT NEOPLASM OF CERVIX UTERI (C53)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	4	14	63	137	120	90	57	0	485
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	1	2	19	60	32	42	47	0	203
3	MALIGNANT NEOPLASM OF OVARY (C56)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	7	3	63	146	105	61	82	0	467
4	MALIGNANT NEOPLASMS OF PLACENTA (C58)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	2	1	5	2	0	0	0	10
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	0	1	1	0	3	6	0	11
6	MALIGNANT NEOPLASM OF PROSTATE (C61)	Male	0	0	0	0	0	0	30	53	38	162	0	283
		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	2	2	15	31	30	18	23	0	121
		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 2017

STATE : 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	MALIGNANT NEOPLASM OF BLADDER (C67)	Male	0	0	0	0	2	10	25	38	24	44	0	143
		Female	0	0	0	0	0	0	6	9	8	9	0	32
9	OTHER MALIGNANT NEOPLASM OF URINARY TRACT (C64-C66,C68)	Male	0	0	0	0	0	4	29	14	29	38	0	114
		Female	0	0	0	1	0	0	9	4	6	10	0	30
13	MALIGNANT NEOPLASMS OF EYE,BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM (C69-C72)	Male	0	0	10	9	11	12	10	19	16	16	0	103
		Female	0	0	2	3	3	8	8	4	2	6	0	36
		Total	0	0	12	12	14	20	18	23	18	22	0	139
1	MALIGNANT NEOPLASMS OF EYE & ADNEXA (C69)	Male	0	0	1	0	0	0	0	0	0	0	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
2	MALIGNANT NEOPLASMS OF MENINGES,BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM(C70-C72)	Male	0	0	9	9	11	12	10	19	16	16	0	102
		Female	0	0	2	3	3	8	8	4	2	6	0	36
14	MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES(C73-C80 & C97)	Male	0	1	13	44	65	85	122	129	116	112	0	687
		Female	0	2	11	32	31	63	89	84	77	92	0	481
		Total	0	3	24	76	96	148	211	213	193	204	0	1168
1	MALIGNANT NEOPLASMS OF OTHER ILL-DEFINED, SECONDARY, UNSPECIFIED AND MULTIPLE SITES(C73-C80 & C97)	Male	0	1	13	44	65	85	122	129	116	112	0	687
		Female	0	2	11	32	31	63	89	84	77	92	0	481
15	MALIGNANT NEOPLASMS OF LYMPHOID, HAEMATOPOIETIC AND RELATED TISSUE(C81-C96)	Male	5	15	64	146	146	218	266	237	172	250	0	1519
		Female	1	23	50	71	71	138	140	178	92	112	0	876
		Total	6	38	114	217	217	356	406	415	264	362	0	2395
1	HODGKIN'S DISEASE(C81)	Male	0	0	0	10	2	11	14	15	13	17	0	82
		Female	0	0	0	4	4	10	4	5	5	5	0	37
2	NON - HODGKIN'S LYMPHOMA(C82-C85)	Male	0	0	6	18	54	81	136	118	70	120	0	603
		Female	0	0	8	9	15	50	62	88	50	39	0	321
3	MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS(C90)	Male	0	0	11	12	11	20	23	11	7	11	0	106
		Female	0	2	5	6	3	16	13	11	0	1	0	57

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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	LEUKAEMIA(C91-C95)	Male	5	15	47	103	78	104	91	88	76	92	0	699
		Female	1	20	37	52	49	59	55	66	36	64	0	439
5	OTHER MALIGNANT NEOPLASMS OF LYMPHOID,HAEMATOPOIETIC AND RELATED TISSUE (C88 & C96)	Male	0	0	0	3	1	2	2	5	6	10	0	29
		Female	0	1	0	0	0	3	6	8	1	3	0	22
16	CARCINOMA IN SITU(D00-D09)	Male	0	0	0	0	0	0	0	0	0	1	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
		Total	0	0	0	0	0	0	0	0	0	0	1	0
1	CARCINOMA IN SITU(D00-D09)	Male	0	0	0	0	0	0	0	0	0	1	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
17	BENIGN NEOPLASMS(D10-D36)	Male	0	0	0	0	1	0	1	0	8	2	0	12
		Female	0	0	0	1	3	0	6	2	0	3	0	15
		Total	0	0	0	1	4	0	7	2	8	5	0	27
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	3	0	0	0	0	3
2	ALL OTHER BENIGN NEOPLASMS(D10-D24,D26-D36)	Male	0	0	0	0	1	0	1	0	8	2	0	12
		Female	0	0	0	1	3	0	3	2	0	3	0	12
18	OTHER AND UNSPECIFIED NEOPLASM(D37-D48)	Male	0	0	0	0	0	4	10	11	5	14	0	44
		Female	0	0	0	0	1	8	6	3	2	8	0	28
		Total	0	0	0	0	1	12	16	14	7	22	0	72
1	OTHER AND UNSPECIFIED NEOPLASM(D37-D48)	Male	0	0	0	0	0	4	10	11	5	14	0	44
		Female	0	0	0	0	1	8	6	3	2	8	0	28
III	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D50-D89)	Male	0	21	50	75	138	175	293	257	188	308	0	1505
		Female	0	16	63	145	152	153	255	192	102	286	0	1364
		Total	0	37	113	220	290	328	548	449	290	594	0	2869

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
19	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D50-D89)	Male	0	21	50	75	138	175	293	257	188	308	0	1505
		Female	0	16	63	145	152	153	255	192	102	286	0	1364
		Total	0	37	113	220	290	328	548	449	290	594	0	2869
1	THALASSAEMIA(D56)	Male	0	3	10	3	0	1	3	0	0	6	0	26
		Female	0	2	8	2	0	0	0	0	0	0	0	12
2	OTHER ANAEMIAS(D50-D55,D57-D64)	Male	0	15	37	58	106	136	236	226	146	273	0	1233
		Female	0	9	50	117	127	125	218	172	94	270	0	1182
3	ALL OTHER DISEASES OF BLOOD & BLOOD FORMING ORGANS (D65-D77)	Male	0	3	3	14	32	35	53	29	41	29	0	239
		Female	0	5	4	26	24	27	35	18	8	15	0	162
4	CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D80-D89)	Male	0	0	0	0	0	3	1	2	1	0	0	7
		Female	0	0	1	0	1	1	2	2	0	1	0	8
IV	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0	5	9	43	149	378	1247	1300	911	1614	0	5656
		Female	0	4	11	38	119	190	661	964	591	1295	0	3873
		Total	0	9	20	81	268	568	1908	2264	1502	2909	0	9529
20	MALNUTRITION(E40-E46)	Male	0	5	3	9	3	5	13	4	3	21	0	66
		Female	0	4	0	2	0	2	5	15	2	9	0	39
		Total	0	9	3	11	3	7	18	19	5	30	0	105
1	KWASHIORKOR(E40)	Male	0	0	1	2	0	0	1	0	0	2	0	6
		Female	0	0	0	0	0	0	0	4	0	0	0	4
2	NUTRITIONAL MARASMUS(E41)	Male	0	5	2	7	3	4	9	3	3	18	0	54
		Female	0	4	0	0	0	2	4	5	2	5	0	22
3	OTHER PROTEIN-ENERGY MALNUTRITION(E42-E46)	Male	0	0	0	0	0	1	3	1	0	1	0	6
		Female	0	0	0	2	0	0	1	6	0	4	0	13
21	ENDOCRINE, OTHER NUTRITIONAL AND METABOLIC DISEASES(E00-E34 & E50-E89)	Male	0	0	6	34	146	373	1234	1296	908	1593	0	5590
		Female	0	0	11	36	119	188	656	949	589	1286	0	3834
		Total	0	0	17	70	265	561	1890	2245	1497	2879	0	9424
1	DISORDERS OF THYROID GLAND(E00-E07)	Male	0	0	0	1	4	19	30	31	23	33	0	141
		Female	0	0	3	5	30	32	51	54	33	70	0	278

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
2	DIABETES MELLITUS(E10-E14)	Male	0	0	0	17	124	315	1133	1191	855	1448	0	5083
		Female	0	0	0	23	81	137	569	843	517	1137	0	3307
3	ALL OTHER NUTRITIONAL DEFICIENCIES(E50-E64)	Male	0	0	0	5	1	3	5	2	0	7	0	23
		Female	0	0	0	0	3	2	5	2	0	0	0	12
4	ALL OTHER ENDOCRINE AND METABOLIC DISEASES(E15-E34 & E65-E89)	Male	0	0	6	11	17	36	66	72	30	105	0	343
		Female	0	0	8	8	5	17	31	50	39	79	0	237
V	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0	0	0	2	13	26	27	14	7	7	0	96
		Female	0	0	0	2	2	3	5	4	5	4	0	25
		Total	0	0	0	4	15	29	32	18	12	11	0	121
22	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0	0	0	2	13	26	27	14	7	7	0	96
		Female	0	0	0	2	2	3	5	4	5	4	0	25
		Total	0	0	0	4	15	29	32	18	12	11	0	121
1	MENTAL AND BEHAVIOURAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE(F10-F19)	Male	0	0	0	2	10	15	21	11	5	1	0	65
		Female	0	0	0	0	0	0	1	2	1	0	0	4
2	SCHIZOPHRENIA, SCHIZOTYPAL & DELUSIONAL DISORDERS(F20-F29)	Male	0	0	0	0	2	11	4	3	1	4	0	25
		Female	0	0	0	0	1	3	4	1	3	3	0	15
3	ALL OTHER MENTAL BEHAVIOURAL DISORDERS(F01-F09,F30-F99)	Male	0	0	0	0	1	0	2	0	1	2	0	6
		Female	0	0	0	2	1	0	0	1	1	1	0	6
VI	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	Male	96	112	125	160	212	301	379	380	179	379	0	2323
		Female	84	86	127	134	111	141	181	187	125	255	0	1431
		Total	180	198	252	294	323	442	560	567	304	634	0	3754

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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	
23	INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYTEM(G00-G09)	Male	91	72	69	80	108	127	166	128	50	66	0	957	
		Female	76	65	81	85	67	78	78	76	45	61	0	712	
		Total	167	137	150	165	175	205	244	204	95	127	0	1669	
1	MENINGITIS(G00 & G03)	Male	55	42	29	28	36	60	71	61	20	13	0	415	
		Female	54	23	34	24	24	32	28	27	19	15	0	280	
2	ENCEPHALITIS,MYELITIS AND ENCEPHALOMYELITIS(G04)	Male	36	30	40	38	54	62	82	66	29	49	0	486	
		Female	22	40	47	29	34	36	40	40	24	40	0	352	
3	OTHER INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM(G06,G08-G09)	Male	0	0	0	14	18	5	13	1	1	4	0	56	
		Female	0	2	0	32	9	10	10	9	2	6	0	80	
24	OTHER DISEASES OF THE NERVOUS SYSTEM(G10-G98)	Male	5	40	56	80	104	174	213	252	129	313	0	1366	
		Female	8	21	46	49	44	63	103	111	80	194	0	719	
		Total	13	61	102	129	148	237	316	363	209	507	0	2085	
1	ALZHEIMER'S DISEASE(G30)	Male	0	0	0	0	0	0	0	1	2	22	0	25	
		Female	0	0	0	0	0	0	3	1	3	11	0	18	
2	EPILEPSY(G40-G41)	Male	0	16	28	24	37	38	77	43	19	24	0	306	
		Female	0	13	22	16	15	15	28	21	15	24	0	169	
3	ALL OTHER DISEASES OF THE NERVOUS SYSTEM (G10-G25,G31,G35-G37,G43-G98)	Male	5	24	28	56	67	136	136	208	108	267	0	1035	
		Female	8	8	24	33	29	48	72	89	62	159	0	532	
VII	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0	0	0	0	0	1	1	2	0	2	0	6	
		Female	0	0	0	0	0	0	0	1	0	0	0	1	
		Total	0	0	0	0	0	1	1	3	0	2	0	7	
25	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0	0	0	0	0	1	1	2	0	2	0	6	
		Female	0	0	0	0	0	0	0	1	0	0	0	1	
		Total	0	0	0	0	0	1	1	3	0	2	0	7	
1	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0	0	0	0	0	1	1	2	0	2	0	6	
		Female	0	0	0	0	0	0	0	1	0	0	0	1	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
VIII	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	0	0	0	0	1	0	0	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
		Total	0	0	0	0	0	0	0	0	1	0	0	0
26	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	0	0	0	0	1	0	0	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
		Total	0	0	0	0	0	0	0	0	1	0	0	0
1	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	0	0	0	0	1	0	0	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
		Total	0	0	0	0	0	0	0	0	1	0	0	0
IX	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	Male	0	6	81	225	942	2282	5227	6996	4374	8501	0	28634
		Female	0	1	58	177	539	977	2381	3677	2483	6368	0	16661
		Total	0	7	139	402	1481	3259	7608	10673	6857	14869	0	45295
27	ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASES(100-109)	Male	0	6	52	99	88	91	117	69	54	60	0	636
		Female	0	1	38	73	100	124	158	156	62	63	0	775
		Total	0	7	90	172	188	215	275	225	116	123	0	1411
1	ACUTE RHEUMATIC FEVER(100-102)	Male	0	3	23	22	21	15	14	3	3	1	0	105
		Female	0	1	18	23	13	11	9	6	2	3	0	86
		Total	0	4	41	45	34	26	23	9	5	4	1	191
2	CHRONIC RHEUMATIC HEART DISEASES(105-109)	Male	0	3	29	77	67	76	103	66	51	59	0	531
		Female	0	0	20	50	87	113	149	150	60	60	0	689
		Total	0	3	49	127	154	189	252	216	111	119	0	1220
28	HYPERTENSIVE DISEASES(110-115)	Male	0	0	0	0	69	345	891	1358	807	1802	0	5272
		Female	0	0	0	0	40	88	399	781	511	1485	0	3304
		Total	0	0	0	0	109	433	1290	2139	1318	3287	0	8576
1	HYPERTENSIVE HEART DISEASES(111)	Male	0	0	0	0	3	4	2	9	21	22	0	61
		Female	0	0	0	0	0	0	3	5	13	9	0	30
		Total	0	0	0	0	3	4	5	14	34	31	0	91
2	ALL OTHER HYPERTENSIVE DISEASES(110,112-115)	Male	0	0	0	0	66	341	889	1349	786	1780	0	5211
		Female	0	0	0	0	40	88	396	776	498	1476	0	3274
		Total	0	0	0	0	106	429	1285	2125	1284	3256	0	8485

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
29	ISCHAEMIC HEART DISEASES(120-125)	Male	0	0	0	0	261	654	1803	2470	1846	3205	0	10239
		Female	0	0	0	0	94	214	756	1225	924	2194	0	5407
		Total	0	0	0	0	355	868	2559	3695	2770	5399	0	15646
1	ACUTE MYOCARDIAL INFARCTION(121-122)	Male	0	0	0	0	166	406	1060	1285	847	1460	0	5224
		Female	0	0	0	0	53	129	380	624	445	1138	0	2769
2	ALL OTHER ISCHAEMIC HEART DISEASES(120& 123-125)	Male	0	0	0	0	95	248	743	1185	999	1745	0	5015
		Female	0	0	0	0	41	85	376	601	479	1056	0	2638
30	DISEASES OF PULMONARY CIRCULATION AND OTHER FORMS OF HEART DISEASE(126-151)	Male	0	0	29	126	365	703	1394	1682	866	1743	0	6908
		Female	0	0	20	104	212	313	614	868	501	1411	0	4043
		Total	0	0	49	230	577	1016	2008	2550	1367	3154	0	10951
1	PULMONARY HEART DISEASES AND DISEASES OF PULMONARY CIRCULATION(126-128)	Male	0	0	0	0	34	71	141	178	115	234	0	773
		Female	0	0	0	0	29	45	52	124	80	203	0	533
2	OTHER FORMS OF HEART DISEASES(130-151)	Male	0	0	29	126	331	632	1253	1504	751	1509	0	6135
		Female	0	0	20	104	183	268	562	744	421	1208	0	3510
31	CEREBROVASCULAR DISEASES(160-169)	Male	0	0	0	0	141	425	917	1268	679	1582	0	5012
		Female	0	0	0	0	77	188	394	544	431	1152	0	2786
		Total	0	0	0	0	218	613	1311	1812	1110	2734	0	7798
1	CEREBROVASCULAR DISEASES(160-169)	Male	0	0	0	0	141	425	917	1268	679	1582	0	5012
		Female	0	0	0	0	77	188	394	544	431	1152	0	2786
32	OTHER DISEASES OF THE CIRCULATORY SYSTEM(170-199)	Male	0	0	0	0	18	64	105	149	122	109	0	567
		Female	0	0	0	0	16	50	60	103	54	63	0	346
		Total	0	0	0	0	34	114	165	252	176	172	0	913
1	ATHEROSCLEROSIS(170)	Male	0	0	0	0	1	3	14	39	39	26	0	122
		Female	0	0	0	0	1	9	13	29	10	13	0	75

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
2	ARTERIAL EMBOLISM AND THROMBOSIS(I74)	Male	0	0	0	0	3	25	27	38	24	8	0	125
		Female	0	0	0	0	2	14	17	23	17	7	0	80
3	OTHER DISEASES OF ARTERIES, ARTERIOLES & CAPILLARIES(I71-I73 & I77-I78)	Male	0	0	0	0	0	15	26	36	29	23	0	129
		Female	0	0	0	0	0	13	15	18	16	12	0	74
4	PHLEBITIS,THROMBOPHLEBITIS,VENOUS EMBOLISM AND THROMBOSIS(I80-I82)	Male	0	0	0	0	10	13	19	15	17	18	0	92
		Female	0	0	0	0	4	8	6	14	4	12	0	48
5	ALL OTHER DISEASES OF THE CIRCULATORY SYSTEM(I83-I99)	Male	0	0	0	0	4	8	19	21	13	34	0	99
		Female	0	0	0	0	9	6	9	19	7	19	0	69
X	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	Male	5	56	85	170	284	560	1324	1843	1148	2979	0	8454
		Female	1	49	73	126	169	305	548	812	604	1550	0	4237
		Total	6	105	158	296	453	865	1872	2655	1752	4529	0	12691
33	DISEASES OF THE UPPER RESPIRATORY TRACT (J00-J06 & J30-J39)	Male	5	9	5	1	0	3	1	15	6	5	0	50
		Female	1	2	4	0	3	3	2	3	2	6	0	26
		Total	6	11	9	1	3	6	3	18	8	11	0	76
1	ACUTE PHARYNGITIS AND ACUTE TONSILLITIS(J02-J03)	Male	0	5	3	0	0	0	0	0	0	0	0	8
		Female	0	2	4	0	2	0	0	0	0	0	0	8
2	ACUTE LARYNGITIS AND TRACHEITIS(J04)	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 ACUTE UPPER RESPIRATORY INFECTIONS(J00-J01 & J05-J06)	Male	5	2	2	0	0	0	0	0	0	0	0	9
		Female	1	0	0	0	0	0	0	0	0	0	0	1
4	ALL OTHER DISEASES OF UPPER RESPIRATORY TRACT(J30-J39)	Male	0	2	0	1	0	3	1	15	6	5	0	33
		Female	0	0	0	0	1	3	2	3	2	6	0	17
34	LOWER RESPIRATORY DISEASES(J20-J22 & J40-J47)	Male	0	0	0	20	64	155	628	1122	708	2159	0	4856
		Female	0	0	0	16	30	72	186	422	332	990	0	2048
		Total	0	0	0	36	94	227	814	1544	1040	3149	0	6904

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
1	ACUTE BRONCHITIS AND ACUTE BRONCHIOLITIS(J20-J21)	Male	0	0	0	0	0	0	5	4	0	0	0	9
		Female	0	0	0	0	0	1	1	0	2	2	0	6
2	BRONCHITIS, CHRONIC AND UNSPECIFIED EMPHYSEMA(J40-J43)	Male	0	0	0	2	1	10	16	29	29	38	0	125
		Female	0	0	0	0	1	4	15	19	11	29	0	79
3	ASTHMA(J45-J46)	Male	0	0	0	1	12	22	144	127	137	324	0	767
		Female	0	0	0	5	15	22	60	98	94	298	0	592
4	OTHER LOWER RESPIRATORY DISORDERS(J22,J44 & J47)	Male	0	0	0	17	51	123	463	962	542	1797	0	3955
		Female	0	0	0	11	14	45	110	305	225	661	0	1371
35	OTHER DISEASES OF THE RESPIRATORY SYSTEM(J10-J18,J60-J98)	Male	0	47	80	149	220	402	695	706	434	815	0	3548
		Female	0	47	69	110	136	230	360	387	270	554	0	2163
		Total	0	94	149	259	356	632	1055	1093	704	1369	0	5711
1	INFLUENZA(J10-J11)	Male	0	4	0	0	0	4	6	5	0	5	0	24
		Female	0	1	0	0	1	3	1	2	2	3	0	13
2	PNEUMONIA(J12-J18)	Male	0	17	48	58	105	150	289	240	172	296	0	1375
		Female	0	32	31	45	91	112	179	180	157	209	0	1036
3	PLEURISY(J90)	Male	0	0	0	5	5	20	23	42	19	40	0	154
		Female	0	0	0	5	0	11	6	16	8	20	0	66
4	ALL OTHER DISEASES OF THE RESPIRATORY SYSTEM(J60-J86,J92-J98)	Male	0	26	32	86	110	228	377	419	243	474	0	1995
		Female	0	14	38	60	44	104	174	189	103	322	0	1048
XI	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	Male	0	3	44	127	798	1717	1965	1531	624	896	0	7705
		Female	0	8	27	88	154	245	350	367	205	389	0	1833
		Total	0	11	71	215	952	1962	2315	1898	829	1285	0	9538
36	DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS(K00-K14)	Male	0	0	0	0	0	5	5	7	2	1	0	20
		Female	0	0	6	0	0	1	1	0	0	4	0	12
		Total	0	0	6	0	0	6	6	7	2	5	0	32

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
1	DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS(K00-K14)	Male	0	0	0	0	0	5	5	7	2	1	0	20
		Female	0	0	6	0	0	1	1	0	0	4	0	12
37	DISEASES OF THE OTHER PARTS OF DIGESTIVE SYSTEM(K20-K92)	Male	0	3	44	127	798	1712	1960	1524	622	895	0	7685
		Female	0	8	21	88	154	244	349	367	205	385	0	1821
		Total	0	11	65	215	952	1956	2309	1891	827	1280	0	9506
1	GASTRIC AND DUODENAL ULCER(K25-K27)	Male	0	0	0	0	4	19	13	11	12	23	0	82
		Female	0	0	1	0	1	2	4	5	8	14	0	35
2	GASTRITIS AND DUODENITIS (K29)	Male	0	0	0	0	0	0	0	0	0	1	0	1
		Female	0	0	0	0	0	0	0	0	0	1	0	1
3	DISEASES OF APPENDIX(K35-K38)	Male	0	0	0	7	12	16	26	18	15	16	0	110
		Female	0	0	2	2	3	10	5	7	5	14	0	48
4	HERNIA(K40-K46)	Male	0	0	0	2	1	0	9	10	4	11	0	37
		Female	0	0	0	0	1	1	1	9	1	14	0	27
5	PARALYTIC ILEUS AND INTESTINAL OBSTRUCTION WITHOUT HERNIA(K56)	Male	0	0	0	1	4	7	6	29	9	27	0	83
		Female	0	0	0	3	5	2	2	7	3	23	0	45
6	PERITONITIS(K65)	Male	0	0	0	23	41	52	74	84	29	72	0	375
		Female	0	0	2	10	8	20	44	26	15	26	0	151
7	DISEASES OF THE LIVER(K70-K76)	Male	0	2	32	55	560	1356	1530	1109	446	548	0	5638
		Female	0	7	14	34	101	159	194	224	115	209	0	1057
8	CHOLELITHIASIS AND CHOLECYSTITIS(K80-K81)	Male	0	0	3	0	3	1	8	9	8	27	0	59
		Female	0	0	0	0	0	4	4	11	10	13	0	42
9	DISORDERS OF THE PANCREAS(K85-K86)	Male	0	0	2	24	113	129	131	71	26	22	0	518
		Female	0	0	0	14	15	5	28	17	16	8	0	103

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STATE : 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
10	ALL OTHER DISEASES OF THE OTHER PARTS OF DIGESTIVE SYSTEM	Male	0	1	7	15	60	132	163	183	73	148	0	782
	(K20-K22,K28,K30-K35,K50-K55,K57-K63,K66,K82-K83 & K90-K92)	Female	0	1	2	25	20	41	67	61	32	63	0	312
XII	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0	0	4	11	25	76	129	149	77	158	0	629
		Female	0	0	8	7	11	23	63	75	44	82	0	313
		Total	0	0	12	18	36	99	192	224	121	240	0	942
38	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0	0	4	11	25	76	129	149	77	158	0	629
		Female	0	0	8	7	11	23	63	75	44	82	0	313
		Total	0	0	12	18	36	99	192	224	121	240	0	942
1	INFECTIONS OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L08)	Male	0	0	4	8	20	67	114	133	71	129	0	546
		Female	0	0	3	1	3	13	48	70	39	63	0	240
2	ALL OTHER DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L10-L98)	Male	0	0	0	3	5	9	15	16	6	29	0	83
		Female	0	0	5	6	8	10	15	5	5	19	0	73
XIII	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	Male	0	0	0	6	7	15	38	22	17	57	0	162
		Female	0	0	0	7	4	7	22	26	13	24	0	103
		Total	0	0	0	13	11	22	60	48	30	81	0	265
39	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	Male	0	0	0	6	7	15	38	22	17	57	0	162
		Female	0	0	0	7	4	7	22	26	13	24	0	103
		Total	0	0	0	13	11	22	60	48	30	81	0	265
1	RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHRITIS(M05-M13)	Male	0	0	0	1	2	2	2	7	2	8	0	24
		Female	0	0	0	0	1	1	6	12	7	13	0	40
2	OSTEOMYELITIS(M86)	Male	0	0	0	0	0	0	1	1	0	7	0	9
		Female	0	0	0	0	0	0	0	0	0	0	0	0
3	ALL OTHER DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M02,M15-M85,M87-M99)	Male	0	0	0	5	5	13	35	14	15	42	0	129
		Female	0	0	0	7	3	6	16	14	6	11	0	63

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
XIV	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0	1	25	63	172	332	667	1015	473	1159	0	3907
		Female	0	1	22	80	118	189	341	441	273	661	0	2126
		Total	0	2	47	143	290	521	1008	1456	746	1820	0	6033
40	DISEASES OF URINARY SYSTEM(N00-N39)	Male	0	1	25	63	171	326	644	1001	463	1135	0	3829
		Female	0	1	22	78	112	188	338	439	271	652	0	2101
		Total	0	2	47	141	283	514	982	1440	734	1787	0	5930
1	GLOMERULAR DISEASES(INCLUDING NEPHRITIC SYNDROME)(N00-N07)	Male	0	1	3	3	1	3	4	2	0	3	0	20
		Female	0	1	5	7	2	2	3	4	0	0	0	24
2	RENAL TUBULO-INTERSTITIAL DISEASES(N10-N15)	Male	0	0	0	3	3	4	17	12	6	18	0	63
		Female	0	0	1	14	5	9	14	17	16	8	0	84
3	RENAL FAILURE(N17-N19)	Male	0	0	13	37	119	224	453	742	317	730	0	2635
		Female	0	0	12	40	76	95	227	281	170	400	0	1301
4	UROLITHIASIS(N20-N23)	Male	0	0	0	1	1	3	9	8	3	7	0	32
		Female	0	0	0	0	1	1	3	4	1	6	0	16
5	OTHER DISORDERS OF KIDNEY AND URETER(N25-N28)	Male	0	0	4	18	43	63	118	151	88	197	0	682
		Female	0	0	2	13	20	39	47	88	51	92	0	352
6	ALL OTHER DISEASES OF URINARY SYSTEM(N30-N39)	Male	0	0	5	1	4	29	43	86	49	180	0	397
		Female	0	0	2	4	8	42	44	45	33	146	0	324
41	OTHER DISEASES OF THE GENITOURINARY SYSTEM(N40-N99)	Male	0	0	0	0	1	6	23	14	10	24	0	78
		Female	0	0	0	2	6	1	3	2	2	9	0	25
		Total	0	0	0	2	7	7	26	16	12	33	0	103
1	HYPERPLASIA OF PROSTATE(N40)	Male	0	0	0	0	0	0	5	5	2	16	0	28
		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	1	6	18	9	8	8	0	50
		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 2017

STATE : 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	SALPINGITIS AND OOPHORITIS(N70)	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	0
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	6	1	3	2	2	8	0	24
XV	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	Female	0	0	0	178	219	36	0	0	0	0	0	433
		Total	0	0	0	178	219	36	0	0	0	0	0	433
42	PREGNANCY WITH ABORTIVE OUTCOME (O00-O08)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	3	8	4	0	0	0	0	0	15
		Total	0	0	0	3	8	4	0	0	0	0	0	15
1	SPONTANEOUS ABORTION (O03)	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	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	3	8	3	0	0	0	0	0	14
43	OTHER DIRECT OBSTETRIC DEATHS (O10-O92)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	173	209	31	0	0	0	0	0	413
		Total	0	0	0	173	209	31	0	0	0	0	0	413
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	55	68	8	0	0	0	0	0	131
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	1	0	0	0	0	0	1

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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	OBSTRUCTED LABOUR(O64-O66)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	1	0	0	0	0	0
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	48	59	6	0	0	0	0	0	0
5	OTHER COMPLICATIONS OF PREGNANCY AND DELIVERY(O20-022,O24-O63,O67-O84)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	70	82	15	0	0	0	0	0	0
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	2	1	0	0	0	0	0	5
		Total	0	0	0	2	2	1	0	0	0	0	0	5
1	INDIRECT OBSTETRIC DEATHS(O98-O99)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	2	2	1	0	0	0	0	0	5
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	0	0	0	0	0	0	0	0
XVI	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	Male	4665	0	0	0	0	0	0	0	0	0	0	4665
		Female	3100	0	0	0	0	0	0	0	0	0	0	3100
		Total	7765	0	0	0	0	0	0	0	0	0	0	7765
45	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (P00-P96)	Male	4665	0	0	0	0	0	0	0	0	0	0	4665
		Female	3100	0	0	0	0	0	0	0	0	0	0	3100
		Total	7765	0	0	0	0	0	0	0	0	0	0	7765
1	SLOW FETAL GROWTH,FETAL MALNUTRITION AND IMMATUREITY (P05-P07)	Male	2063	0	0	0	0	0	0	0	0	0	0	2063
		Female	1372	0	0	0	0	0	0	0	0	0	0	1372
2	BIRTH TRAUMA(P10-P15)	Male	1	0	0	0	0	0	0	0	0	0	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
3	HYPOXIA,BIRTH ASPHYXIA AND OTHER RESPIRATORY CONDITIONS(P20-P28)	Male	1875	0	0	0	0	0	0	0	0	0	0	1875
		Female	1255	0	0	0	0	0	0	0	0	0	0	1255

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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	HAEMOLYTIC DISEASE OF FETUS AND NEW-BORN (P55)	Male	1	0	0	0	0	0	0	0	0	0	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
5	OTHER PERINATAL JAUNDICE(P58-P59)	Male	18	0	0	0	0	0	0	0	0	0	0	18
		Female	2	0	0	0	0	0	0	0	0	0	0	2
6	ALL OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P04,P08,P29-P54, P56-P57,P60-P96)	Male	707	0	0	0	0	0	0	0	0	0	0	707
		Female	471	0	0	0	0	0	0	0	0	0	0	471
XVII	CONGENITAL MALFORMATIONS,DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	Male	898	279	149	10	0	0	0	0	0	0	0	1336
		Female	651	179	94	7	0	0	0	0	0	0	0	931
		Total	1549	458	243	17	0	0	0	0	0	0	0	2267
46	CONGENITAL MALFORMATIONS,DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	Male	898	279	149	10	0	0	0	0	0	0	0	1336
		Female	651	179	94	7	0	0	0	0	0	0	0	931
		Total	1549	458	243	17	0	0	0	0	0	0	0	2267
1	SPINA BIFIDA(Q05)	Male	8	0	0	0	0	0	0	0	0	0	0	8
		Female	4	0	0	0	0	0	0	0	0	0	0	4
2	CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM (Q20-Q28)	Male	638	145	94	7	0	0	0	0	0	0	0	884
		Female	470	106	66	4	0	0	0	0	0	0	0	646
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	252	134	55	3	0	0	0	0	0	0	0	444
		Female	177	73	28	3	0	0	0	0	0	0	0	281
XVIII	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS,NOT ELSEWHERE CLASSIFIED (R00-R99)	Male	0	13	27	58	115	243	286	270	166	767	0	1945
		Female	0	6	17	30	59	74	136	133	77	701	0	1233
		Total	0	19	44	88	174	317	422	403	243	1468	0	3178
47	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS,NOT ELSEWHERE CLASSIFIED (R00-R99)	Male	0	13	27	58	115	243	286	270	166	767	0	1945
		Female	0	6	17	30	59	74	136	133	77	701	0	1233
		Total	0	19	44	88	174	317	422	403	243	1468	0	3178

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
1	ABDOMINAL AND PELVIC PAIN(R10)	Male	0	0	1	0	4	5	0	0	0	2	0	12
		Female	0	0	0	2	1	1	7	1	1	1	0	14
2	ASCITES(R18)	Male	0	0	0	0	0	0	0	2	0	0	0	2
		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	4	4	1	0	1	0	10
		Female	0	0	0	0	0	0	2	0	0	4	0	6
4	FEVER OF UNKNOWN ORIGIN(R50)	Male	0	0	0	4	2	3	5	3	1	7	0	25
		Female	0	0	2	0	1	1	2	3	0	1	0	10
5	SENILITY(R54)	Male	0	0	0	0	0	0	0	8	28	354	0	390
		Female	0	0	0	0	0	0	0	8	14	378	0	400
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	1	2	13	14	21	12	7	8	0	79
		Female	0	1	2	4	6	4	9	5	7	6	0	44
8	SHOCK, NOT ELSEWHERE CLASSIFIED(R57)	Male	0	2	1	3	2	4	8	10	3	10	0	43
		Female	0	1	0	2	8	3	5	0	1	5	0	25
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	10	24	49	94	213	248	234	127	385	0	1384
		Female	0	4	13	22	43	65	111	116	54	306	0	734
XIX	INJURY,POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES(S00-T98)	Male	3	128	220	1458	2278	1955	2019	1447	529	618	0	10655
		Female	0	96	206	930	988	758	664	448	188	372	0	4650
		Total	3	224	426	2388	3266	2713	2683	1895	717	990	0	15305
48	FRACTURES(S02,S12,S22,S32,S42,S52,S62,S72,S82,S92,T02,T08,T10 & T12)	Male	0	15	5	59	122	65	85	55	31	46	0	483
		Female	0	0	0	3	21	10	16	24	14	27	0	115
		Total	0	15	5	62	143	75	101	79	45	73	0	598

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STATE : 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
1	FRACTURE OF SKULL AND FACIAL BONES(S02)	Male	0	0	0	0	0	0	1	0	0	0	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
2	FRACTURE OF NECK,THORAX OR PELVIS(S12,S22,S32 & T08)	Male	0	0	0	15	15	24	19	8	5	30	0	116
		Female	0	0	0	1	0	4	3	4	4	19	0	35
3	FRACTURE OF UPPER LIMB(S42,S52,S62 & T10)	Male	0	0	0	0	3	0	2	0	0	1	0	6
		Female	0	0	0	0	0	0	0	1	2	0	0	3
4	FRACTURE OF LOWER LIMB(S72,S82,S92 & T12)	Male	0	0	0	1	0	8	3	1	2	12	0	27
		Female	0	0	0	0	0	1	2	1	5	5	0	14
5	FRACTURES INVOLVING MULTIPLE BODY REGIONS, AND OF UNSPECIFIED BODY REGION(T02)	Male	0	15	5	43	104	33	60	46	24	3	0	333
		Female	0	0	0	2	21	5	11	18	3	3	0	63
49	DISLOCATIONS,SPRAINS AND STRAINS OF SPECIFIED AND MULTIPLE BODY REGIONS(S03,S13,S23,S33,S43, S53,S63,S73,S83,S93,T03)	Male	0	0	0	20	24	23	19	22	4	8	0	120
		Female	0	0	0	5	5	8	4	4	1	3	0	30
		Total	0	0	0	25	29	31	23	26	5	11	0	150
1	DISLOCATION,SPRAINS AND STRAINS OF SPECIFIED AND MULTIPLE BODY REGIONS(S03,S13,S23,S33,S43,S53,S63,S73,S83,S93,T03)	Male	0	0	0	20	24	23	19	22	4	8	0	120
		Female	0	0	0	5	5	8	4	4	1	3	0	30
50	INTRACRANIAL AND INTERNAL INJURIESINCLUDING NERVES (S04,S06,S14,S26-S27,S34,S36-S37,S44,S54,S64,S74,S84 & S94)	Male	1	5	9	148	207	188	214	188	56	80	0	1096
		Female	0	3	10	23	27	35	45	20	8	9	0	180
		Total	1	8	19	171	234	223	259	208	64	89	0	1276
1	INTRACRANIAL AND INTERNAL INJURIESINCLUDING NERVES(S04,S06,S14 S26-S27,S34,S36-S37,S44,S54,S64,S74,S84 & S94)	Male	1	5	9	148	207	188	214	188	56	80	0	1096
		Female	0	3	10	23	27	35	45	20	8	9	0	180
51	CRUSHING INJURIES AND TRAUMATIC AMPUTATIONS OF SPECIFIED AND MULTIPLE BODY REGIONS (S07-S08,S17-S18,S28,S38,S47-S48,S57-S58, S67-S68,S77-S78,S87-S88, S97-S98, T04-05)	Male	0	0	0	2	12	16	17	5	0	6	0	58
		Female	0	0	1	1	7	3	1	3	0	0	0	16
		Total	0	0	1	3	19	19	18	8	0	6	0	74

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STATE : 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
52	OTHER INJURIES OF SPECIFIED, UNSPECIFIED AND MULTIPLE BODY	Male	1	40	107	646	907	822	843	690	250	280	0	4586
	REGIONS(S00-S01,S05,S09-S11,S15-S16,S19-S21,S25,S29-S31,S35,	Female	0	28	52	92	134	196	211	169	96	158	0	1136
	,S39-S41,S45-S46,S49-S51,S55-S56,S59-S61,S65-S66,S69-S71,	Total	1	68	159	738	1041	1018	1054	859	346	438	0	5722
	S75-S76,S79-S81,S85-S86,S89-S91,S95-S96,S99,T00-T01,T06-T07,													
	T09,T11,T13-T14)													
53	EFFECTS OF FOREIGN BODY ENTERING THROUGH NATURAL	Male	0	1	0	0	2	1	0	0	0	0	0	4
	ORIFICE(T15-T19)	Female	0	0	0	0	0	0	0	0	0	0	0	0
		Total	0	1	0	0	2	1	0	0	0	0	0	4
1	EFFECTS OF FOREIGN BODY ENTERING THROUGH NATURAL ORIFICE(T15-T19)	Male	0	1	0	0	2	1	0	0	0	0	0	4
		Female	0	0	0	0	0	0	0	0	0	0	0	0
54	BURNS AND CORROSIONS(T20-T32)	Male	1	39	29	125	194	181	161	84	29	44	0	887
		Female	0	41	77	379	434	265	138	108	35	100	0	1577
		Total	1	80	106	504	628	446	299	192	64	144	0	2464
1	BURNS AND CORROSIONS(T20-T32)	Male	1	39	29	125	194	181	161	84	29	44	0	887
		Female	0	41	77	379	434	265	138	108	35	100	0	1577
55	POISONINGS BY DRUGS AND BIOLOGICAL SUBSTANCES,	Male	0	16	60	404	728	614	645	381	152	148	0	3148
	AND TOXIC EFFECTS OF SUBSTANCES CHIEFLY	Female	0	18	62	371	322	223	234	117	33	67	0	1447
	NONMEDICINAL AS TO SOURCE(T36-T50 & T51-T65)	Total	0	34	122	775	1050	837	879	498	185	215	0	4595
1	POISONINGS BY DRUGS AND BIOLOGICAL SUBSTANCES,AND TOXIC EFFECTS	Male	0	16	60	404	728	614	645	381	152	148	0	3148
	OF SUBSTANCES CHIEFLY NONMEDICINAL AS TO SOURCE (T36-T50 & T51-T65)	Female	0	18	62	371	322	223	234	117	33	67	0	1447
56	OTHER AND UNSPECIFIED EFFECTS OF EXTERNAL CAUSES AND	Male	0	10	9	51	81	43	29	20	5	5	0	253
	CERTAIN EARLY COMPLICATIONS OF TRAUMA (T33-T35,T66-T79)	Female	0	5	3	56	33	18	12	3	1	4	0	135
		Total	0	15	12	107	114	61	41	23	6	9	0	388
1	OTHER AND UNSPECIFIED EFFECTS OF EXTERNAL CAUSES AND CERTAIN	Male	0	10	9	51	81	43	29	20	5	5	0	253
	EARLY COMPLICATION OF TRAUMA (T33-T35,T66-T78 & T79)	Female	0	5	3	56	33	18	12	3	1	4	0	135
57	COMPLICATIONS OF SURGICAL AND MEDICAL CARE NOT	Male	0	2	1	3	1	2	6	2	2	1	0	20
	ELSEWHERE CLASSIFIED(T80-T88)	Female	0	1	1	0	5	0	1	0	0	4	0	12
		Total	0	3	2	3	6	2	7	2	2	5	0	32

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
1	COMPLICATIONS OF SURGICAL AND MEDICAL CARE NOT ELSEWHERE CLASSIFIED(T80-T88)	Male	0	2	1	3	1	2	6	2	2	1	0	20
		Female	0	1	1	0	5	0	1	0	0	4	0	12
58	LATE EFFECTS OF INJURIES,OF POISONING AND OF OTHER CONSEQUENCES OF EXTERNAL CAUSES(T90-T98)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	2	0	0	0	0	2
		Total	0	0	0	0	0	0	2	0	0	0	0	2
1	LATE EFFECTS OF INJURIES,OF POISONING AND OF OTHER CONSEQUENCES OF EXTERNAL CAUSES(T90-T98)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	2	0	0	0	0	2
XX	EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(V01-Y89)	Male	3	128	220	1458	2278	1955	2019	1447	529	618	0	10655
		Female	0	96	206	930	988	758	664	448	188	372	0	4650
		Total	3	224	426	2388	3266	2713	2683	1895	717	990	0	15305
E48	TRANSPORT ACCIDENTS(V01-V99)	Male	0	32	102	678	940	828	865	732	257	314	0	4748
		Female	0	18	42	84	159	200	226	171	95	152	0	1147
		Total	0	50	144	762	1099	1028	1091	903	352	466	0	5895
1	RAILWAY ACCIDENTS(V05,V15,V80.6,V81, V82.2,V87.6 & V88.6)	Male	0	0	0	5	6	3	4	4	1	1	0	24
		Female	0	0	0	0	2	0	4	0	0	1	0	7
2	MOTOR VEHICLE TRAFFIC ACCIDENTS(V02-V04,V09-V09,V12-V14, V19,V20-V29,V30-V49, V50-V59,V60-V69,V70-V79,V80,V82,V87 & V89)	Male	0	32	102	671	926	818	861	719	252	312	0	4693
		Female	0	18	42	84	157	200	222	168	95	151	0	1137
3	OTHER ROAD VEHICLE ACCIDENTS(V01,V06,V09,V10-V11,V16-V18, V19,V29,V39,V49,V59,V69,V79,V80,V82,V89)	Male	0	0	0	2	0	0	0	1	4	0	0	7
		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,V19,V29, V39,V49,V83-V86,V89, & V98-V99)	Male	0	0	0	0	8	7	0	8	0	1	0	24
		Female	0	0	0	0	0	0	0	3	0	0	0	3

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
E49	ACCIDENTAL FALLS(W00-W19)	Male	0	11	1	16	21	25	48	36	8	18	0	184
		Female	0	4	0	2	4	10	1	12	0	15	0	48
		Total	0	15	1	18	25	35	49	48	8	33	0	232
1	ACCIDENTAL FALLS(W00-W19)	Male	0	11	1	16	21	25	48	36	8	18	0	184
		Female	0	4	0	2	4	10	1	12	0	15	0	48
E50	ACCIDENTAL DROWING AND SUBMERSION(W65-W74)	Male	0	13	3	4	11	4	2	12	2	0	0	51
		Female	0	4	1	1	0	3	0	0	0	2	0	11
		Total	0	17	4	5	11	7	2	12	2	2	0	62
1	ACCIDENTAL DROWING AND SUBMERSION(W65-W74)	Male	0	13	3	4	11	4	2	12	2	0	0	51
		Female	0	4	1	1	0	3	0	0	0	2	0	11
E51	EXPOSURE TO SMOKE, FIRE AND FLAMES(X00-X09)	Male	1	42	29	111	179	176	143	69	29	38	0	817
		Female	0	40	80	357	420	243	129	97	35	99	0	1500
		Total	1	82	109	468	599	419	272	166	64	137	0	2317
1	EXPOSURE TO SMOKE, FIRE AND FLAMES(X00-X09)	Male	1	42	29	111	179	176	143	69	29	38	0	817
		Female	0	40	80	357	420	243	129	97	35	99	0	1500
E52	ACCIDENTAL POISONING BY AND EXPOSURE TO NOXIOUS SUBSTANCES(X40-X49)	Male	0	7	21	142	237	226	249	143	51	64	0	1140
		Female	0	10	20	123	97	46	75	32	12	20	0	435
		Total	0	17	41	265	334	272	324	175	63	84	0	1575
1	ACCIDENTAL POISONING BY AND EXPOSURE TO NOXIOUS SUBSTANCES(X40-X49)	Male	0	7	21	142	237	226	249	143	51	64	0	1140
		Female	0	10	20	123	97	46	75	32	12	20	0	435

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
E53	INTENTIONAL SELF-HARM(SUICIDE-ATTEMPTED)(X60-X84)	Male	0	0	25	290	534	392	400	221	92	80	0	2034
		Female	0	0	16	312	246	168	123	74	13	37	0	989
		Total	0	0	41	602	780	560	523	295	105	117	0	3023
1	INTENTIONAL SELF-HARM(SUICIDE-ATTEMPTED)(X60-X84)	Male	0	0	25	290	534	392	400	221	92	80	0	2034
		Female	0	0	16	312	246	168	123	74	13	37	0	989
		Total	0	0	41	602	780	560	523	295	105	117	0	3023
E54	ASSAULT(HOMICIDE)(X85-Y09)	Male	0	5	0	13	30	34	7	28	9	1	0	127
		Female	0	0	0	5	4	3	5	5	2	2	0	26
		Total	0	5	0	18	34	37	12	33	11	3	0	153
1	ASSAULT(HOMICIDE)(X85-Y09)	Male	0	5	0	13	30	34	7	28	9	1	0	127
		Female	0	0	0	5	4	3	5	5	2	2	0	26
		Total	0	5	0	18	34	37	12	33	11	3	0	153
E55	OTHER VIOLENCE(Y10-Y36)	Male	0	3	2	3	5	3	1	7	0	3	0	27
		Female	0	2	0	0	0	11	0	0	0	0	0	13
		Total	0	5	2	3	5	14	1	7	0	3	0	40
1	EVENT OF UNDERTERMINED INTENT(Y10-Y34)	Male	0	3	2	3	5	3	1	7	0	3	0	27
		Female	0	2	0	0	0	11	0	0	0	0	0	13
		Total	0	5	2	3	5	14	1	7	0	3	0	40
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
		Total	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
		Total	0	0	0	0	0	0	0	0	0	0	0	0
E56	COMPLICATIONS OF MEDICAL AND SURGICAL CARE(Y40-Y84)	Male	0	0	0	0	0	0	0	0	0	2	0	2
		Female	0	0	1	0	4	0	0	0	0	0	0	5
		Total	0	0	1	0	4	0	0	0	0	2	0	7
1	DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE (Y40-Y59)	Male	0	0	0	0	0	0	0	0	0	2	0	2
		Female	0	0	0	0	0	0	0	0	0	0	0	0
		Total	0	0	0	0	0	0	0	0	0	2	0	2

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

STATE : 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
2	MISADVENTURES DURING SURGICAL AND MEDICAL CARE, ADVERSE INCIDENTS IN DIAGNOUSTIC AND THERAPEUTIC USE, ABNORMAL REACTIONS AND LATE COMPLICATIONS(Y60-Y69,Y70-Y82 & Y83-Y84)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	1	0	4	0	0	0	0	0	0	5
E57	OTHER EXTERNAL CAUSES OF ACCIDENTAL INJURY,NOT ELSEWHERE CLASSIFIED(W20-W64,W75-W99,X10-X39,X50-X59)	Male	2	15	37	201	321	267	304	199	81	98	0	1525
		Female	0	18	46	46	54	74	105	57	31	45	0	476
		Total	2	33	83	247	375	341	409	256	112	143	0	2001
1	ACCIDENTS CAUSED BY MACHINERY,AND BY CUTTING PIERCING INSTRUMENTS(W24-W31)	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	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	0	6	18	20	33	32	31	30	15	9	0	194
		Female	0	6	24	7	24	29	53	25	9	13	0	190
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	2	9	19	181	288	235	273	169	66	89	0	1331
		Female	0	12	22	39	30	45	52	32	22	32	0	286
E58	LATE EFFECTS OF EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(Y85-Y89)	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
		Total	0	0	0	0	0	0	0	0	0	0	0	0
1	LATE EFFECTS OF EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(Y85-Y89)	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
	ALL CAUSES	Male	5737	800	1238	3028	6322	10250	17013	18492	10848	20392	0	94120
		Female	3881	585	1064	2476	3470	4400	7739	9384	5887	13684	0	52570
		Total	9618	1385	2302	5504	9792	14650	24752	27876	16735	34076	0	146690

TABLE-3 : Medically Certified Deaths by Sex and Major Cause Groups (based upon tenth revision of ICD) during 2007 to 2017

Major Group No.	Cause of Death	Sex	Years										
			2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	M	8512	8183	8317	8876	8477	8528	9510	8989	9033	9085	8680
		F	4152	4365	4646	5024	4689	5057	4998	4517	4715	4855	4691
		T	12664	12548	12963	13900	13166	13585	14508	13506	13748	13940	13371
2	NEOPLASMS (C00-D48)	M	3291	4117	4594	4367	4366	4545	5525	6214	6546	7659	7761
		F	2238	2940	3219	3200	3213	3239	4055	4692	4872	5625	5565
		T	5529	7057	7813	7567	7579	7784	9580	10906	11418	13284	13326
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D50-D89)	M	885	999	1005	1018	1097	1120	1222	1253	1273	1363	1505
		F	916	1024	1049	973	912	893	1223	1077	1198	1249	1364
		T	1801	2023	2054	1991	2009	2013	2445	2330	247	2612	2869
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	M	4124	4623	4853	4630	4599	4874	4606	4523	4619	5464	5656
		F	2415	3094	3091	3156	3237	3232	3432	3320	3508	3962	3873
		T	6539	7717	7944	7786	7836	8106	8038	7843	8127	9426	9529
5	MENTAL AND BEHAVIOURAL DISORDERS (F01-F99)	M	241	122	100	89	74	101	192	86	95	109	96
		F	35	24	38	24	31	24	54	34	28	21	25
		T	276	146	138	113	105	125	246	120	123	130	121
6	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	M	1824	1929	2117	2009	2001	2074	2417	2075	2221	2219	2323
		F	1069	1235	1215	1279	1162	1195	1451	1165	1402	1369	1431
		T	2893	3164	3332	3288	3163	3269	3868	3240	3623	3588	3754
7	DISEASES OF THE EYE AND ADNEXA(H00-H59)	M	0	2	2	1	2	4	7	7	2	0	6
		F	0	0	2	0	1	2	5	3	1	1	1
		T	0	2	4	1	3	6	12	10	3	1	7
8	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	M	3	2	1	0	5	2	6	5	7	1	1
		F	0	0	3	2	3	1	5	2	1	1	0
		T	3	2	4	2	8	3	11	7	8	2	1
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	M	15947	20910	20847	23941	23749	24681	26384	27962	29697	27504	28634
		F	8661	11569	11769	13304	13184	13581	14997	15347	16873	15639	16661
		T	24608	32479	32616	37245	36933	38262	41381	43309	46570	43143	45295
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	M	4883	5665	5639	6740	6451	6678	8140	8401	8264	8517	8454
		F	2141	2864	2980	3670	3280	3380	4212	3825	4232	4156	4237
		T	7024	8529	8619	1040	9731	10058	12352	12226	12496	12673	12691
11	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	M	4897	5279	5468	6225	6466	6700	7788	7936	8235	7801	7705
		F	1265	1450	1501	1634	1608	1523	1750	1716	1811	1889	1833
		T	6162	6729	6969	7859	8074	8223	9538	9652	10046	9690	9538

TABLE-3 : Medically Certified Deaths by Sex and Major Cause Groups (based upon tenth revision of ICD) during 2007 to 2017

Major Group No.	Cause of Death	Sex	Years										
			2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	2	3	4	5	6	7	8	9	10	11	12	13	14
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	M	395	464	486	463	508	476	708	701	896	742	629
		F	198	240	257	225	264	230	364	373	349	322	313
		T	593	704	743	688	772	706	1072	1074	1245	1064	942
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	M	35	51	54	88	107	124	162	186	239	186	162
		F	31	58	46	66	84	92	173	121	178	125	103
		T	66	109	100	154	191	216	335	307	417	311	265
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	M	2101	2302	2446	2766	2544	2722	3143	2907	3271	3827	3907
		F	1089	1195	1379	1413	1528	1457	1821	1669	1868	2113	2126
		T	3190	3497	3825	4179	4072	4179	4964	4576	5139	5940	6033
15	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	M	0	0	0	0	0	0	0	0	0	0	0
		F	652	649	611	848	841	642	758	1069	638	550	433
		T	652	649	611	848	841	642	758	1069	638	550	433
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	M	5173	5555	6204	6798	7090	6932	8073	9243	5219	5160	4665
		F	3361	3831	4127	4004	4412	4678	5353	5344	3439	3410	3100
		T	8534	9386	10331	10802	11502	11610	13406	14587	8658	8570	7765
17	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	M	663	979	1034	1020	1101	954	1352	1500	1270	1258	1336
		F	486	650	756	676	704	665	899	935	830	734	931
		T	1149	1629	1790	1696	1805	1619	2251	2435	2100	1992	2267
18	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED (R000-R99)	M	2838	3122	2601	1297	1019	793	1389	1537	1819	2320	1945
		F	1804	1911	1720	1018	611	447	1060	1144	1471	1534	1233
		T	4642	5033	4321	2315	1630	1240	2449	2681	3290	3854	3178
19	INJURY, POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES(S00-T98)	M	7022	7272	7315	6523	8861	8411	10714	10848	11251	10899	10655
		F	3953	4194	3941	3980	4940	5123	5780	5560	5043	4855	4650
		T	10975	11466	11256	10503	13801	13534	16494	16408	16294	15754	15305
ALL CAUSES	M	62834	71576	73083	76851	78517	79719	91318	94373	93957	94114	94120	
	F	34466	41293	42350	44496	44704	45461	52390	51913	52457	52410	52570	
	T	97300	112869	115433	121347	123221	125180	143708	146286	146414	146524	146690	

TABLE-4 : PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY SEX AND MAJOR CAUSE GROUPS (BASED UPON TENTH REVISION ICD) DURING 2007 TO 2017

Major Group No.	Cause of Death	Sex	Years										
			2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	M	13.55	11.43	11.38	11.55	10.80	10.70	10.41	9.52	9.61	9.65	9.22
		F	12.05	10.57	10.97	11.29	10.49	11.12	9.54	8.70	8.99	9.26	8.92
		T	13.02	11.12	11.23	11.45	10.68	10.85	10.10	9.23	9.39	9.51	9.12
2	NEOPLASMS (C00-D48)	M	5.24	5.75	6.29	5.68	5.56	5.70	6.05	6.58	6.97	8.14	8.25
		F	6.49	7.12	7.60	7.19	7.19	7.12	7.74	9.04	9.29	10.73	10.59
		T	5.68	6.25	6.77	6.24	6.15	6.22	6.67	7.46	7.80	9.07	9.08
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D50-D89)	M	1.41	1.40	1.38	1.32	1.40	1.40	1.34	1.33	1.35	1.45	1.60
		F	2.66	2.48	2.48	2.19	2.04	1.96	2.33	2.07	2.28	2.38	2.59
		T	1.85	1.79	1.78	1.64	1.63	1.61	1.70	1.59	1.69	1.78	1.96
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	M	6.56	6.46	6.64	6.02	5.86	6.11	5.04	4.79	4.92	5.81	6.01
		F	7.01	7.49	7.30	7.09	7.24	7.11	6.55	6.40	6.69	7.56	7.37
		T	6.72	6.84	6.88	6.42	6.36	6.48	5.59	5.36	5.55	6.43	6.50
5	MENTAL AND BEHAVIOURAL DISORDERS (F01-F99)	M	0.38	0.17	0.14	0.12	0.09	0.13	0.21	0.09	0.10	0.12	0.10
		F	0.10	0.06	0.09	0.05	0.07	0.05	0.10	0.07	0.05	0.04	0.05
		T	0.28	0.13	0.12	0.09	0.09	0.10	0.17	0.08	0.08	0.09	0.08
6	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	M	2.90	2.70	2.90	2.16	2.55	2.60	2.65	2.20	2.36	2.36	2.47
		F	3.10	2.99	2.87	2.87	2.60	2.63	2.77	2.24	2.67	2.61	2.72
		T	2.97	2.80	2.89	2.71	2.57	2.61	2.69	2.21	2.47	2.45	2.56
7	DISEASES OF THE EYE AND ADNEXA(H00-H59)	M	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.01
		F	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
		T	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
8	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	M	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.00	0.00
		F	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00
		T	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	M	25.38	29.21	28.53	31.15	30.25	30.96	28.89	29.63	31.61	29.22	30.42
		F	25.13	28.02	27.79	29.90	29.49	29.87	28.63	29.56	32.17	29.84	31.69
		T	25.29	28.78	28.26	30.69	29.97	30.57	28.80	29.61	31.81	29.44	30.88
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	M	7.77	7.91	7.72	8.77	8.22	8.38	8.91	8.90	8.80	9.05	8.98
		F	6.21	6.94	7.04	8.25	7.34	7.43	8.04	7.37	8.07	7.93	8.06
		T	7.22	7.56	7.47	8.58	7.90	8.03	8.60	8.36	8.53	8.65	8.65

TABLE-4 : PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY SEX AND MAJOR CAUSE GROUPS (BASED UPON TENTH REVISION ICD) DURING 2007 TO 2017

Major Group No.	Cause of Death	Sex	Years										
			2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	2	3	4	5	6	7	8	9	10	11	12	13	14
11	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	M	7.79	7.38	7.48	8.10	8.24	8.40	8.53	8.41	8.76	8.29	8.19
		F	3.67	3.51	3.54	3.67	3.60	3.35	3.34	3.31	3.45	3.60	3.49
		T	6.33	5.96	6.04	6.48	6.55	6.57	6.64	6.60	6.86	6.61	6.50
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	M	0.63	0.65	0.66	0.60	0.65	0.60	0.78	0.74	0.95	0.79	0.67
		F	0.57	0.58	0.61	0.51	0.59	0.51	0.69	0.72	0.67	0.61	0.60
		T	0.61	0.62	0.64	0.57	0.63	0.56	0.75	0.73	0.85	0.73	0.64
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	M	0.06	0.07	0.07	0.11	0.14	0.16	0.18	0.20	0.25	0.20	0.17
		F	0.09	0.14	0.11	0.15	0.19	0.20	0.33	0.23	0.34	0.24	0.20
		T	0.07	0.10	0.09	0.13	0.16	0.17	0.23	0.21	0.28	0.21	0.18
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	M	3.34	3.22	3.35	3.60	3.24	3.41	3.44	3.08	3.48	4.07	4.15
		F	3.16	2.89	3.26	3.18	3.42	3.20	3.48	3.21	3.56	4.03	4.04
		T	3.28	3.10	3.31	3.44	3.30	3.34	3.45	3.13	3.51	4.05	4.11
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	0.00	0.00	0.00
		F	1.89	1.57	1.44	1.91	1.88	1.41	1.45	2.06	1.22	1.05	0.82
		T	0.67	0.58	0.53	0.70	0.68	0.51	0.53	0.73	0.44	0.38	0.30
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	M	8.23	7.76	8.49	8.85	9.03	8.70	8.82	9.79	5.55	5.48	4.96
		F	9.75	9.28	9.74	9.00	9.87	10.29	10.22	10.29	6.56	6.51	5.90
		T	8.77	8.32	8.95	8.90	9.33	9.27	9.33	9.97	5.91	5.85	5.29
17	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	M	1.06	1.37	1.41	1.33	1.40	1.20	1.48	1.59	1.35	1.34	1.42
		F	1.41	1.57	1.79	1.52	1.57	1.46	1.72	1.80	1.58	1.40	1.77
		T	1.18	1.44	1.55	1.40	1.46	1.29	1.57	1.66	1.43	1.36	1.55
18	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED (R000-R99)	M	4.52	4.36	3.56	1.69	1.30	0.99	1.52	1.63	1.94	2.47	2.07
		F	5.23	4.63	4.06	2.29	1.37	0.98	2.02	2.20	2.80	2.93	2.35
		T	4.77	4.46	3.74	1.91	1.32	0.99	1.70	1.83	2.25	2.63	2.17
19	INJURY,POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES(S00-T98)	M	11.18	10.16	10.01	8.49	11.29	10.55	11.73	11.49	11.97	11.58	11.32
		F	11.47	10.16	9.31	8.94	11.05	11.27	11.03	10.71	9.61	9.26	8.85
		T	11.28	10.16	9.75	8.66	11.20	10.81	11.48	11.22	11.13	10.75	10.43
ALL CAUSES	M	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
	F	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
	T	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	

TABLE 5: PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE, SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

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	1.13	20.00	26.66	12.32	13.71	13.83	10.38	8.74	7.54	6.21	0.00	9.22
		Female	1.13	19.49	27.54	15.43	16.89	14.11	10.20	8.39	6.64	5.00	0.00	8.92
		Total	1.13	19.78	27.06	13.72	14.84	13.92	10.32	8.62	7.22	5.72	0.00	9.12
2	NEOPLASMS (C00-D48)	Male	0.09	2.00	7.19	8.16	5.09	7.52	9.67	8.91	12.32	8.24	0.00	8.25
		Female	0.03	4.27	6.11	5.86	6.89	15.41	17.35	13.53	13.35	7.40	0.00	10.59
		Total	0.06	2.96	6.69	7.12	5.73	9.89	12.07	10.47	12.69	7.91	0.00	9.08
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	Male	0.00	2.63	4.04	2.48	2.18	1.71	1.72	1.39	1.73	1.51	0.00	1.60
		Female	0.00	2.74	5.92	5.86	4.38	3.48	3.29	2.05	1.73	2.09	0.00	2.59
		Total	0.00	2.67	4.91	4.00	2.96	2.24	2.21	1.61	1.73	1.74	0.00	1.96
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0.00	0.63	0.73	1.42	2.36	3.69	7.33	7.03	8.40	7.91	0.00	6.01
		Female	0.00	0.68	1.03	1.53	3.43	4.32	8.54	10.27	10.04	9.46	0.00	7.37
		Total	0.00	0.65	0.87	1.47	2.74	3.88	7.71	8.12	8.98	8.54	0.00	6.50
5	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0.00	0.00	0.00	0.07	0.21	0.25	0.16	0.08	0.06	0.03	0.00	0.10
		Female	0.00	0.00	0.00	0.08	0.06	0.07	0.06	0.04	0.08	0.03	0.00	0.05
		Total	0.00	0.00	0.00	0.07	0.15	0.20	0.13	0.06	0.07	0.03	0.00	0.08
6	DISEASES OF THE NERVOUS SYSTEM (G00-G98)	Male	1.67	14.00	10.10	5.28	3.35	2.94	2.23	2.05	1.65	1.86	0.00	2.47
		Female	2.16	14.70	11.94	5.41	3.20	3.20	2.34	1.99	2.12	1.86	0.00	2.72
		Total	1.87	14.30	10.95	5.34	3.30	3.02	2.26	2.03	1.82	1.86	0.00	2.56
7	DISEASES OF THE EYE AND ADNEXA H00-H59)	Male	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.00	0.01
		Female	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
		Total	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.00	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 2017

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	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	0.00	0.00	0.00
		Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	Male	0.00	0.75	6.54	7.43	14.90	22.26	30.72	37.83	40.32	41.69	0.00	30.42
		Female	0.00	0.17	5.45	7.15	15.53	22.20	30.77	39.18	42.18	46.54	0.00	31.69
		Total	0.00	0.51	6.04	7.30	15.12	22.25	30.74	38.29	40.97	43.63	0.00	30.88
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	Male	0.09	7.00	6.87	5.61	4.49	5.46	7.78	9.97	10.58	14.61	0.00	8.98
		Female	0.03	8.38	6.86	5.09	4.87	6.93	7.08	8.65	10.26	11.33	0.00	8.06
		Total	0.06	7.58	6.86	5.38	4.63	5.90	7.56	9.52	10.47	13.29	0.00	8.65
11	DISEASES OF THE DIGESTIVE SYSTEM (K00-K92)	Male	0.00	0.38	3.55	4.19	12.62	16.75	11.55	8.28	5.75	4.39	0.00	8.19
		Female	0.00	1.37	2.54	3.55	4.44	5.57	4.52	3.91	3.48	2.84	0.00	3.49
		Total	0.00	0.79	3.08	3.91	9.72	13.39	9.35	6.81	4.95	3.77	0.00	6.50
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0.00	0.00	0.32	0.36	0.40	0.74	0.76	0.81	0.71	0.77	0.00	0.67
		Female	0.00	0.00	0.75	0.28	0.32	0.52	0.81	0.80	0.75	0.60	0.00	0.60
		Total	0.00	0.00	0.52	0.33	0.37	0.68	0.78	0.80	0.72	0.70	0.00	0.64
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (M00-M99)	Male	0.00	0.00	0.00	0.20	0.11	0.15	0.22	0.12	0.16	0.28	0.00	0.17
		Female	0.00	0.00	0.00	0.28	0.12	0.16	0.28	0.28	0.22	0.18	0.00	0.20
		Total	0.00	0.00	0.00	0.24	0.11	0.15	0.24	0.17	0.18	0.24	0.00	0.18
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0.00	0.13	2.02	2.08	2.72	3.24	3.92	5.49	4.36	5.68	0.00	4.15
		Female	0.00	0.17	2.07	3.23	3.40	4.30	4.41	4.70	4.64	4.83	0.00	4.04
		Total	0.00	0.14	2.04	2.60	2.96	3.56	4.07	5.22	4.46	5.34	0.00	4.11

TABLE 5: PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE, SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2017

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
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	7.19	6.31	0.82	0.00	0.00	0.00	0.00	0.00	0.82
		Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	Male	81.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.96
		Female	79.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.90
		Total	80.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.29
17	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	Male	15.65	34.88	12.04	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42
		Female	16.77	30.60	8.83	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77
		Total	16.11	33.07	10.56	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55
18	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	Male	0.00	1.63	2.18	1.92	1.82	2.37	1.68	1.46	1.53	3.76	0.00	2.07
		Female	0.00	1.03	1.60	1.21	1.70	1.68	1.76	1.42	1.31	5.12	0.00	2.35
		Total	0.00	1.37	1.91	1.60	1.78	2.16	1.70	1.45	1.45	4.31	0.00	2.17
19	INJURY, POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES (S00-T98)	Male	0.05	16.00	17.77	48.15	36.03	19.07	11.87	7.83	4.88	3.03	0.00	11.32
		Female	0.00	16.41	19.36	37.56	28.47	17.23	8.58	4.77	3.19	2.72	0.00	8.85
		Total	0.03	16.17	18.51	43.39	33.35	18.52	10.84	6.80	4.28	2.91	0.00	10.43
20	EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(V01-Y89)	Male	0.05	16.00	17.77	48.15	36.03	19.07	11.87	7.83	4.88	3.03	0.00	11.32
		Female	0.00	16.41	19.36	37.56	28.47	17.23	8.58	4.77	3.19	2.72	0.00	8.85
		Total	0.03	16.17	18.51	43.39	33.35	18.52	10.84	6.80	4.28	2.91	0.00	10.43
	ALL CAUSES	MALE	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	0.00	100.00
		FEMALE	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	0.00	100.00
		TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	0.00	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 2017

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	0.75	1.84	3.80	4.30	9.99	16.34	20.35	18.63	9.42	14.59	0.00	100.00	
		Female	0.94	2.43	6.25	8.14	12.49	13.24	16.82	16.78	8.34	14.58	0.00	100.00	
		Total	0.82	2.05	4.66	5.65	10.87	15.25	19.11	17.98	9.04	14.58	0.00	100.00	
2	NEOPLASMS (C00-D48)	Male	0.06	0.21	1.15	3.18	4.15	9.93	21.20	21.23	17.23	21.66	0.00	100.00	
		Female	0.02	0.45	1.17	2.61	4.29	12.18	24.13	22.82	14.12	18.20	0.00	100.00	
		Total	0.05	0.31	1.16	2.94	4.21	10.87	22.42	21.90	15.93	20.22	0.00	100.00	
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	Male	0.00	1.40	3.32	4.98	9.17	11.63	19.47	17.08	12.49	20.47	0.00	100.00	
		Female	0.00	1.17	4.62	10.63	11.14	11.22	18.70	14.08	7.48	20.97	0.00	100.00	
		Total	0.00	1.29	3.94	7.67	10.11	11.43	19.10	15.65	10.11	20.70	0.00	100.00	
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0.00	0.09	0.16	0.76	2.63	6.68	22.05	22.98	16.11	28.54	0.00	100.00	
		Female	0.00	0.10	0.28	0.98	3.07	4.91	17.07	24.89	15.26	33.44	0.00	100.00	
		Total	0.00	0.09	0.21	0.85	2.81	5.96	20.02	23.76	15.76	30.53	0.00	100.00	
5	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0.00	0.00	0.00	2.08	13.54	27.08	28.13	14.58	7.29	7.29	0.00	100.00	
		Female	0.00	0.00	0.00	8.00	8.00	12.00	20.00	16.00	20.00	16.00	0.00	100.00	
		Total	0.00	0.00	0.00	3.31	12.40	23.97	26.45	14.88	9.92	9.09	0.00	100.00	
6	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	Male	4.13	4.82	5.38	6.89	9.13	12.96	16.32	16.36	7.71	16.32	0.00	100.00	
		Female	5.87	6.01	8.87	9.36	7.76	9.85	12.65	13.07	8.74	17.82	0.00	100.00	
		Total	4.79	5.27	6.71	7.83	8.60	11.77	14.92	15.10	8.10	16.89	0.00	100.00	
7	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.02	0.00	0.06	
		Female	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	100.00	
		Total	0.00	0.00	0.00	0.00	0.00	14.29	14.29	42.86	0.00	28.57	0.00	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 2017

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	0.00	100.00
		Female	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	100.00
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	Male	0.00	0.02	0.28	0.79	3.29	7.97	18.25	24.43	15.28	29.69	0.00	0.00	100.00
		Female	0.00	0.01	0.35	1.06	3.24	5.86	14.29	22.07	14.90	38.22	0.00	0.00	100.00
		Total	0.00	0.02	0.31	0.89	3.27	7.20	16.80	23.56	15.14	32.83	0.00	0.00	100.00
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	Male	0.06	0.66	1.01	2.01	3.36	6.62	15.66	21.80	13.58	35.24	0.00	0.00	100.00
		Female	0.02	1.16	1.72	2.97	3.99	7.20	12.93	19.16	14.26	36.58	0.00	0.00	100.00
		Total	0.05	0.83	1.24	2.33	3.57	6.82	14.75	20.92	13.81	35.69	0.00	0.00	100.00
11	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	Male	0.00	0.04	0.57	1.65	10.36	22.28	25.50	19.87	8.10	11.63	0.00	0.00	100.00
		Female	0.00	0.44	1.47	4.80	8.40	13.37	19.09	20.02	11.18	21.22	0.00	0.00	100.00
		Total	0.00	0.12	0.74	2.25	9.98	20.57	24.27	19.90	8.69	13.47	0.00	0.00	100.00
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0.00	0.00	0.64	1.75	3.97	12.08	20.51	23.69	12.24	25.12	0.00	0.00	100.00
		Female	0.00	0.00	2.56	2.24	3.51	7.35	20.13	23.96	14.06	26.20	0.00	0.00	100.00
		Total	0.00	0.00	1.27	1.91	3.82	10.51	20.38	23.78	12.85	25.48	0.00	0.00	100.00
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	Male	0.00	0.00	0.00	3.70	4.32	9.26	23.46	13.58	10.49	35.19	0.00	0.00	100.00
		Female	0.00	0.00	0.00	6.80	3.88	6.80	21.36	25.24	12.62	23.30	0.00	0.00	100.00
		Total	0.00	0.00	0.00	4.91	4.15	8.30	22.64	18.11	11.32	30.57	0.00	0.00	100.00
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0.00	0.03	0.64	1.61	4.40	8.50	17.07	25.98	12.11	29.66	0.00	0.00	100.00
		Female	0.00	0.05	1.03	3.76	5.55	8.89	16.04	20.74	12.84	31.09	0.00	0.00	100.00
		Total	0.00	0.03	0.78	2.37	4.81	8.64	16.71	24.13	12.37	30.17	0.00	0.00	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 2017

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	41.11	50.58	8.31	0.00	0.00	0.00	0.00	0.00	0.00	100.00
		Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	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	0.00	100.00
17	CONGENITAL MALFORMATIONS, DEFORMATION S & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	Male	67.22	20.88	11.15	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	
		Female	69.92	19.23	10.10	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
		Total	68.33	20.20	10.72	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
18	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIF	Male	0.00	0.67	1.39	2.98	5.91	12.49	14.70	13.88	8.53	39.43	0.00	100.00	
		Female	0.00	0.49	1.38	2.43	4.79	6.00	11.03	10.79	6.24	56.85	0.00	100.00	
		Total	0.00	0.60	1.38	2.77	5.48	9.97	13.28	12.68	7.65	46.19	0.00	100.00	
19	INJURY, POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES(S00-T98)	Male	0.03	1.20	2.06	13.68	21.38	18.35	18.95	13.58	4.96	5.80	0.00	100.00	
		Female	0.00	2.06	4.43	20.00	21.25	16.30	14.28	9.63	4.04	8.00	0.00	100.00	
		Total	0.02	1.46	2.78	15.60	21.34	17.73	17.53	12.38	4.68	6.47	0.00	100.00	
20	EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(V01-Y89)	Male	0.03	1.20	2.06	13.68	21.38	18.35	18.95	13.58	4.96	5.80	0.00	100.00	
		Female	0.00	2.06	4.43	20.00	21.25	16.30	14.28	9.63	4.04	8.00	0.00	100.00	
		Total	0.02	1.46	2.78	15.60	21.34	17.73	17.53	12.38	4.68	6.47	0.00	100.00	
	ALL CAUSES	MALE	6.10	0.85	1.32	3.22	6.72	10.89	18.08	19.65	11.53	21.67	0.00	100.00	
		FEMALE	7.38	1.11	2.02	4.71	6.60	8.37	14.72	17.85	11.20	26.03	0.00	100.00	
		TOTAL	6.56	0.94	1.57	3.75	6.68	9.99	16.87	19.00	11.41	23.23	0.00	100.00	

Table - 7 : Percentage distribution of Medically Certified Deaths due to Tuberculosis, Diabetes Mellitus and Ischaemic Heart Diseases from 2007 to 2017

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			
2007	6.83	4.65	6.07	5.87	6.38	6.04	11.21	10.13	10.83	64.94	35.06	100.00
2008	5.86	4.17	5.24	5.77	6.62	6.08	13.50	11.63	12.81	63.42	36.58	100.00
2009	5.47	3.70	4.82	6.15	6.58	6.30	12.75	11.21	12.18	63.31	36.69	100.00
2010	5.29	3.72	4.72	5.29	6.11	5.59	13.91	12.43	13.37	63.33	36.67	100.00
2011	5.24	3.72	4.69	5.12	6.20	5.51	12.77	11.47	12.30	63.72	36.28	100.00
2012	5.42	4.55	5.10	5.50	6.15	5.73	13.42	12.12	12.95	63.68	36.32	100.00
2013	5.22	3.44	4.57	4.07	5.23	4.49	11.66	10.56	11.26	63.54	36.46	100.00
2014	5.04	3.31	4.42	3.91	6.30	4.35	11.71	10.56	11.30	64.51	35.49	100.00
2015	4.87	3.14	4.25	4.11	5.43	4.58	11.66	10.76	11.34	64.17	35.83	100.00
2016	4.34	2.93	3.84	5.33	6.70	5.82	10.43	9.40	10.06	64.23	35.77	100.00
2017	4.17	2.85	3.70	5.40	6.29	5.72	10.88	10.29	10.67	64.16	35.84	100.00

FORM NO. 4/4A

(See Rule 7)

MEDICAL CERTIFICATE OF CAUSE OF DEATH

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

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

Name of the Hospital.....

I hereby certify that the person whose particulars are given below died in the hospital in Ward No.....on.....
at.....A.M./P.M.

Name of the Deceased				For use of Statistical Office
Sex	Age at Death			
	If 1 year or more, age in Years	If less than 1 year, age in Months	If less than one month, age in Days	If less than one day, age in Hours
1. Male 2. Female				
CAUSE OF DEATH				Interval between on set & death approx
I				
Immediate Cause (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> How did the injury occur?				
1. Natural 2. Accident 3. Suicide 4.Homicide				
5. Pending investigation				
If deceased was a female, was pregnancy the death associated with? 1. Yes 2. No				
If yes, was there a delivery? 1.Yes 2.No.				
Name and signature of the Medical Attendant certifying the cause of death				
Date of verification.....				
SEE REVERSE FOR INSTRUCTION				
(To be detached and handed over to the relative of the deceased).				
Certified that Shri/Smt/Kum.....S/W/D/of Shri				
R/O.....was admitted to the hospital on and expired on				
Doctor.....				
(Medical Supdt				
Name of the hospital)				

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

MEDICAL CERTIFICATE OF CAUSE OF DEATH

Direction for completing the form No.4/4A

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 10th Revision of International Classification of Diseases (ICD) and the National List for tabulation of Morbidity ad 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 :

Major Cause Groups	DESCRIPTION AND ICD CODES
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